



# Full wwPDB NMR Structure Validation Report ⓘ

Dec 24, 2024 – 04:30 PM EST

PDB ID : 2LKM  
BMRB ID : 18000  
Title : Structural Basis for Molecular Interactions Involving MRG Domains: Implications in Chromatin Biology  
Authors : Xie, T.; Radhakrishnan, I.  
Deposited on : 2011-10-16

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

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

A user guide is available at

<https://www.wwpdb.org/validation/2017/NMRValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

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The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity : 4.02b-467  
Percentile statistics : 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

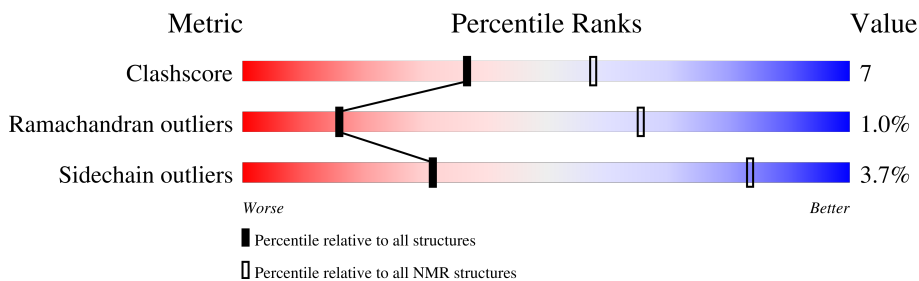
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*SOLUTION NMR*

The overall completeness of chemical shifts assignment is 81%.

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	42	
2	B	172	

## 2 Ensemble composition and analysis i

This entry contains 20 models. Model 17 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *closest to the average*.

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:204-A:234, B:155-B:204, B:210-B:323 (195)	0.99	17

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

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

The models can be grouped into 3 clusters and 13 single-model clusters were found.

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

### 3 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 3473 atoms, of which 1737 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called PHD finger protein 12.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	42	661	208	330	57	64	2	0

- Molecule 2 is a protein called Mortality factor 4-like protein 1.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
2	B	172	2812	912	1407	231	259	3	0

There are 4 discrepancies between the modelled and reference sequences:

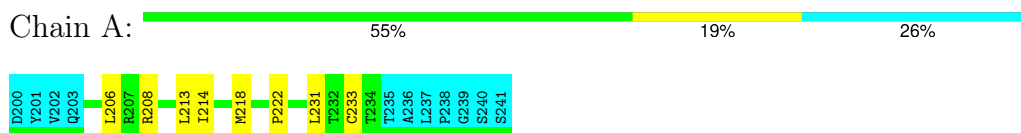
Chain	Residue	Modelled	Actual	Comment	Reference
B	152	SER	-	expression tag	UNP Q9UBU8
B	153	ASN	-	expression tag	UNP Q9UBU8
B	154	ALA	-	expression tag	UNP Q9UBU8
B	201	ARG	LYS	engineered mutation	UNP Q9UBU8

## 4 Residue-property plots

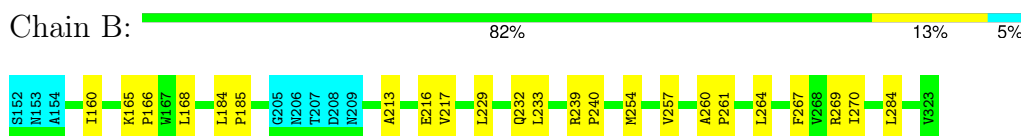
### 4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: PHD finger protein 12



- Molecule 2: Mortality factor 4-like protein 1

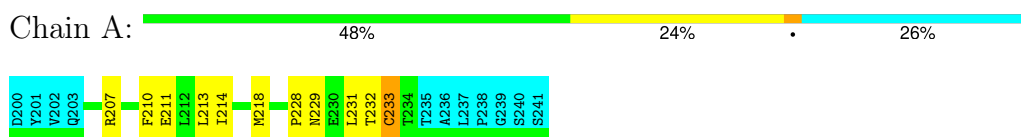


### 4.2 Scores per residue for each member of the ensemble

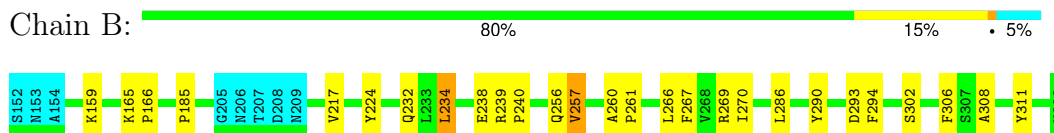
Colouring as in section 4.1 above.

#### 4.2.1 Score per residue for model 1

- Molecule 1: PHD finger protein 12

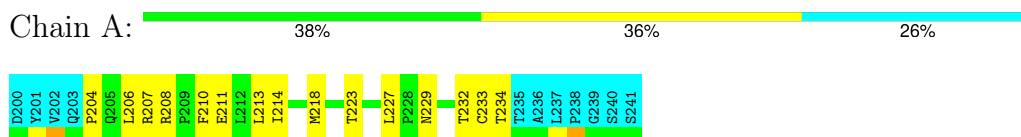


- Molecule 2: Mortality factor 4-like protein 1

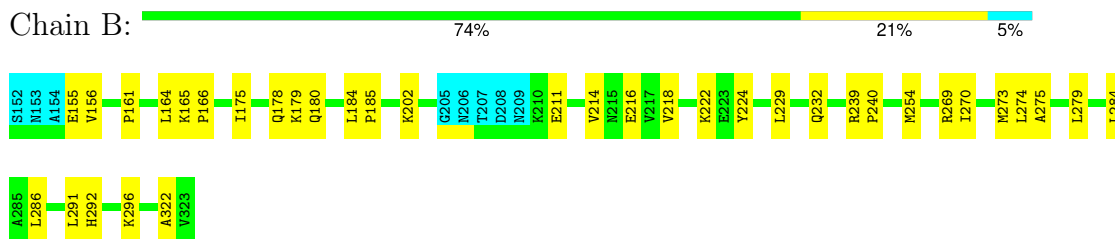


### 4.2.2 Score per residue for model 2

- Molecule 1: PHD finger protein 12

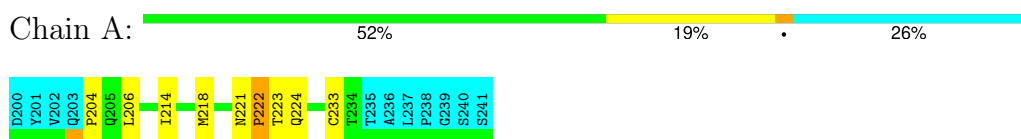


- Molecule 2: Mortality factor 4-like protein 1

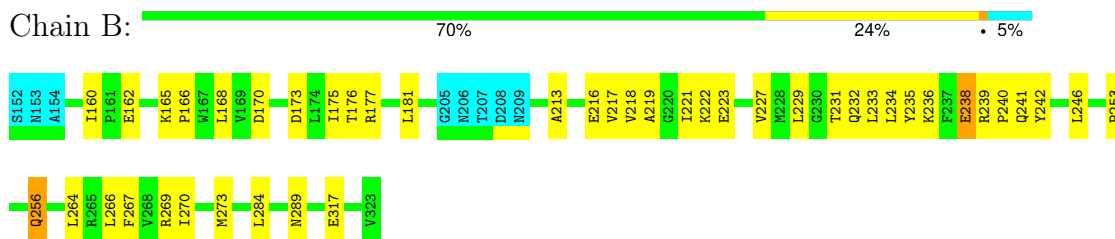


### 4.2.3 Score per residue for model 3

- Molecule 1: PHD finger protein 12



- Molecule 2: Mortality factor 4-like protein 1

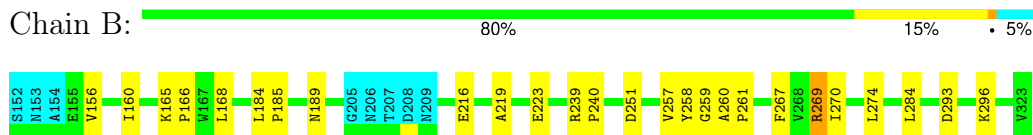


### 4.2.4 Score per residue for model 4

- Molecule 1: PHD finger protein 12

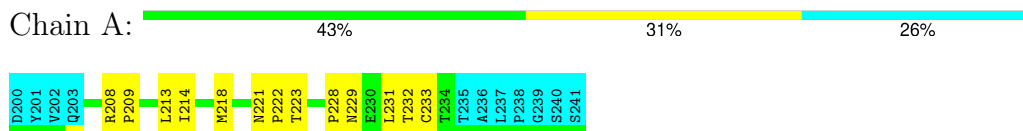


- Molecule 2: Mortality factor 4-like protein 1

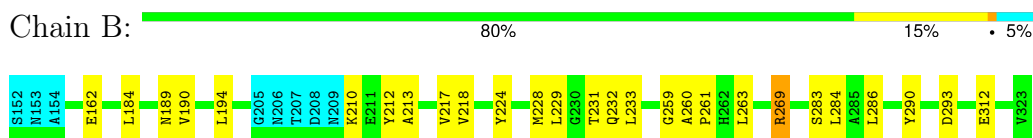


#### 4.2.5 Score per residue for model 5

- Molecule 1: PHD finger protein 12

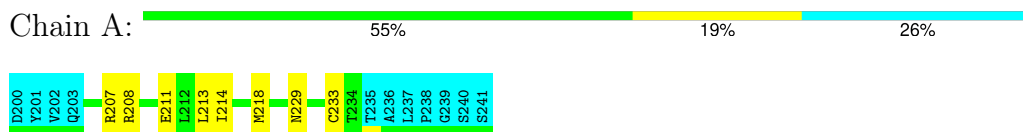


- Molecule 2: Mortality factor 4-like protein 1

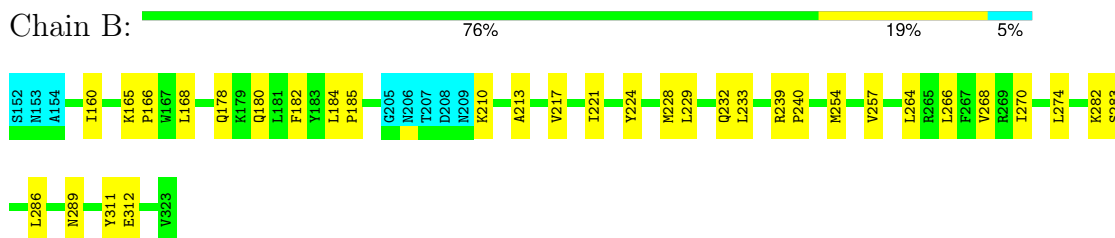


#### 4.2.6 Score per residue for model 6

- Molecule 1: PHD finger protein 12



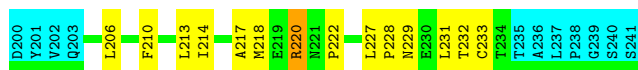
- Molecule 2: Mortality factor 4-like protein 1



#### 4.2.7 Score per residue for model 7

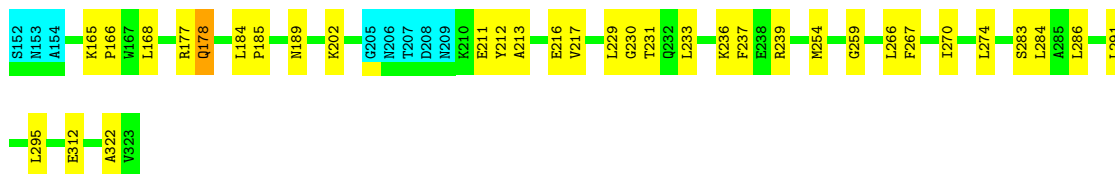
- Molecule 1: PHD finger protein 12





- Molecule 2: Mortality factor 4-like protein 1

Chain B: 76% 19% 5%



#### 4.2.8 Score per residue for model 8

- Molecule 1: PHD finger protein 12

Chain A: 43% 31% 26%



- Molecule 2: Mortality factor 4-like protein 1

Chain B: 78% 17% 5%



#### 4.2.9 Score per residue for model 9

- Molecule 1: PHD finger protein 12

Chain A: 52% 19% 26%



- Molecule 2: Mortality factor 4-like protein 1

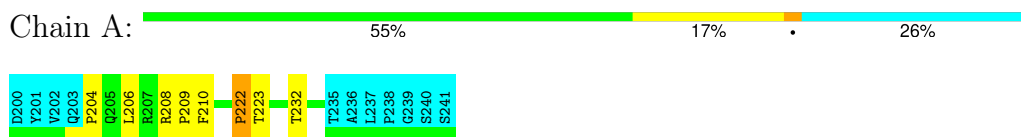
Chain B: 80% 15% 5%



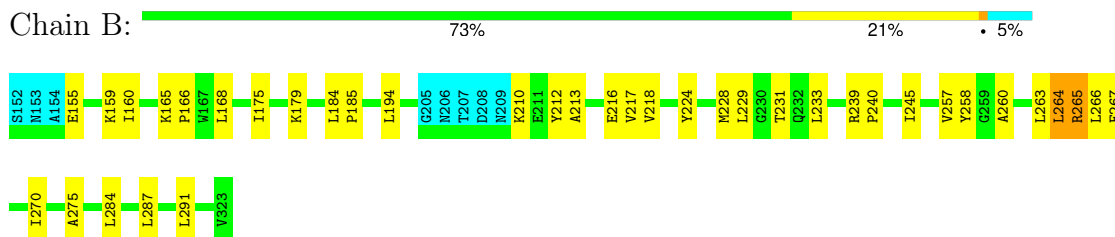


#### 4.2.10 Score per residue for model 10

- Molecule 1: PHD finger protein 12

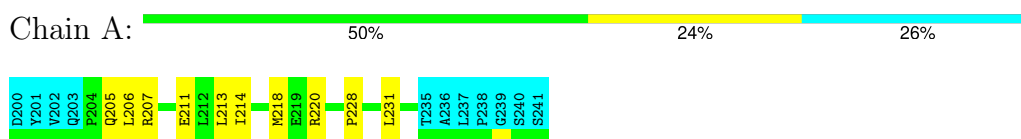


- Molecule 2: Mortality factor 4-like protein 1

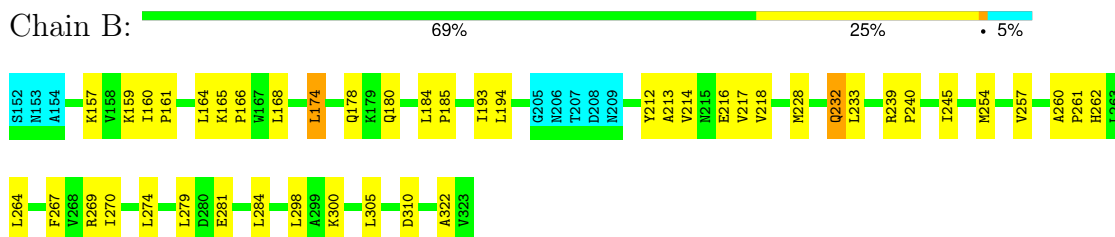


#### 4.2.11 Score per residue for model 11

- Molecule 1: PHD finger protein 12

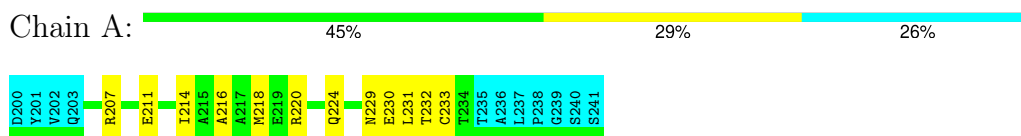


- Molecule 2: Mortality factor 4-like protein 1

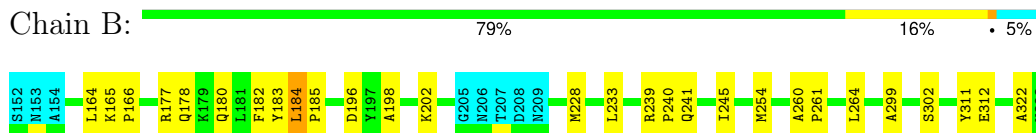


#### 4.2.12 Score per residue for model 12

- Molecule 1: PHD finger protein 12

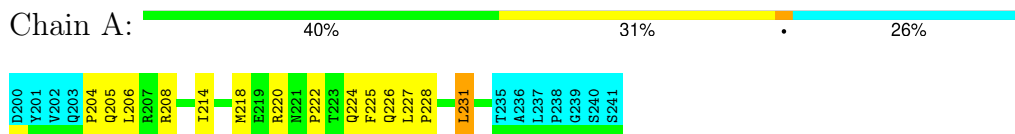


- Molecule 2: Mortality factor 4-like protein 1

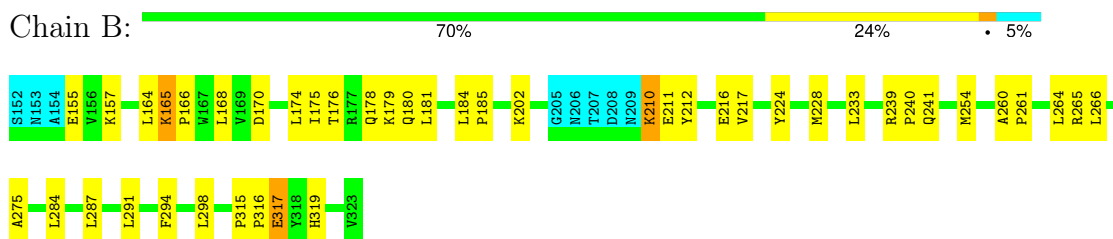


#### 4.2.13 Score per residue for model 13

- Molecule 1: PHD finger protein 12

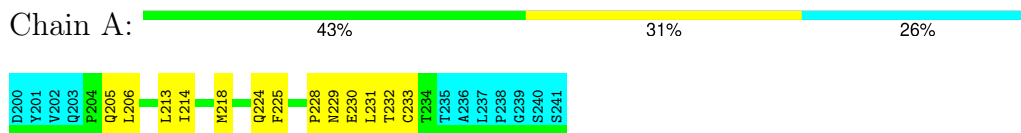


- Molecule 2: Mortality factor 4-like protein 1

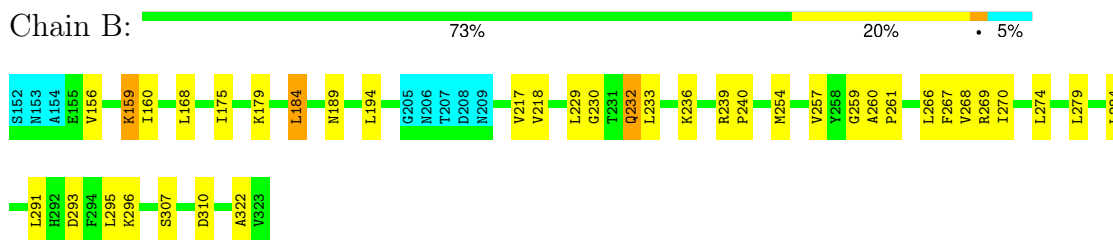


#### 4.2.14 Score per residue for model 14

- Molecule 1: PHD finger protein 12

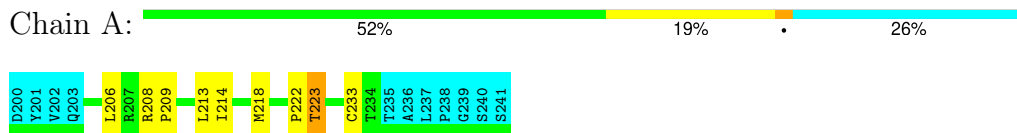


- Molecule 2: Mortality factor 4-like protein 1

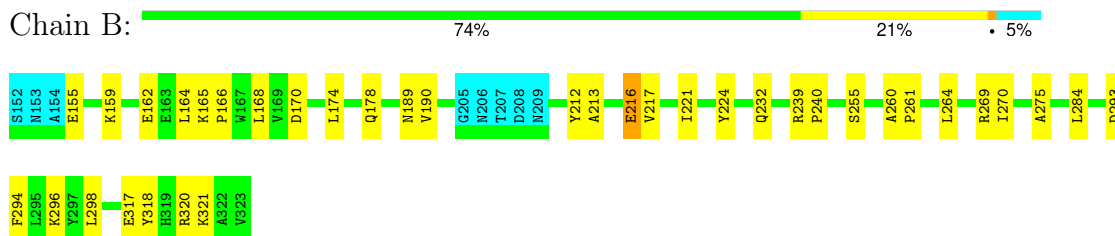


#### 4.2.15 Score per residue for model 15

- Molecule 1: PHD finger protein 12

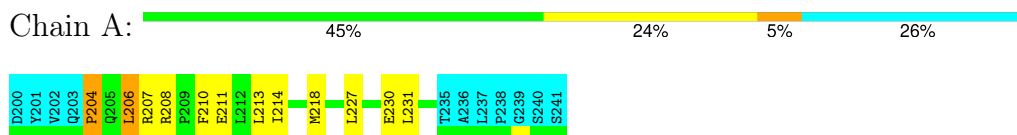


- Molecule 2: Mortality factor 4-like protein 1

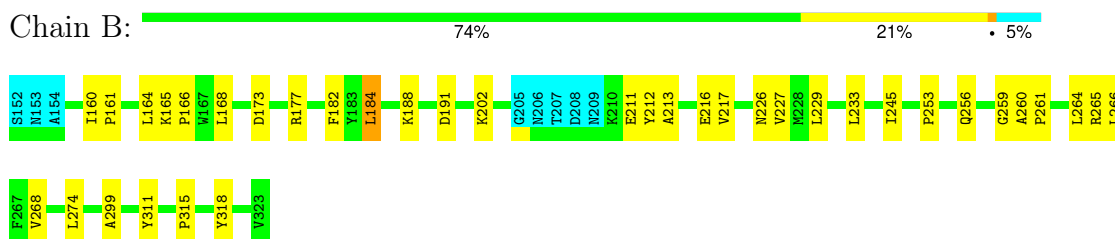


#### 4.2.16 Score per residue for model 16

- Molecule 1: PHD finger protein 12



- Molecule 2: Mortality factor 4-like protein 1



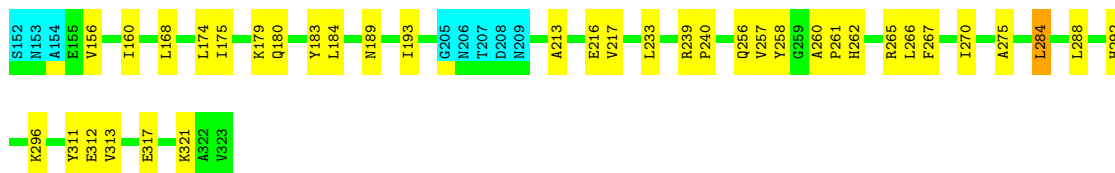
#### 4.2.17 Score per residue for model 17 (medoid)

- Molecule 1: PHD finger protein 12



- Molecule 2: Mortality factor 4-like protein 1



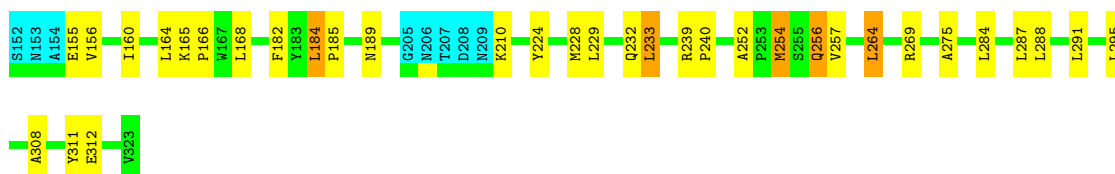


#### 4.2.18 Score per residue for model 18

- Molecule 1: PHD finger protein 12

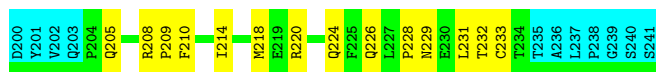


- Molecule 2: Mortality factor 4-like protein 1

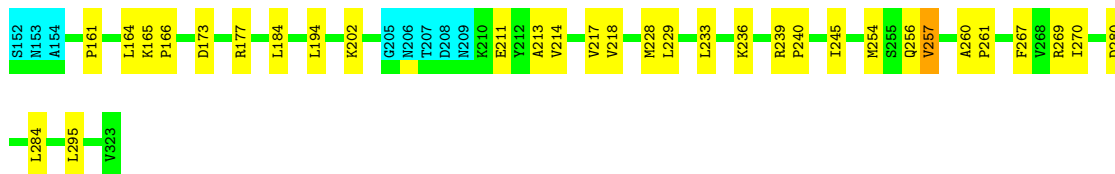


#### 4.2.19 Score per residue for model 19

- Molecule 1: PHD finger protein 12



- Molecule 2: Mortality factor 4-like protein 1



#### 4.2.20 Score per residue for model 20

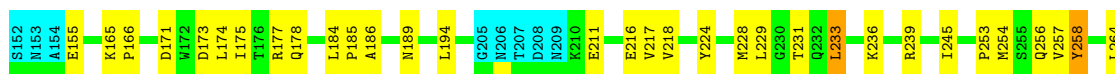
- Molecule 1: PHD finger protein 12

Chain A:  60% 10% 5% 26%



• Molecule 2: Mortality factor 4-like protein 1

Chain B:  71% 22% 5%



## 5 Refinement protocol and experimental data overview

The models were refined using the following method: *simulated annealing*.

Of the 80 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy*.

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

Software name	Classification	Version
CNS	structure solution	1.1
ARIA	structure solution	1.2
CNS	refinement	1.1

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	2461
Number of shifts mapped to atoms	2461
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	81%

## 6 Model quality i

### 6.1 Standard geometry i

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

### 6.2 Too-close contacts i

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	251	255	255	7±3
2	B	1351	1363	1359	20±4
All	All	32040	32360	32280	475

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 7.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:B:189:ASN:HA	2:B:259:GLY:HA2	0.83	1.50	14	4
1:A:206:LEU:HG	2:B:217:VAL:HB	0.80	1.50	14	3
1:A:206:LEU:HB2	2:B:216:GLU:HB3	0.75	1.58	11	5
2:B:160:ILE:HG21	2:B:168:LEU:HD11	0.73	1.60	17	1
2:B:184:LEU:HG	2:B:257:VAL:HB	0.73	1.60	11	1
2:B:233:LEU:HD11	2:B:266:LEU:HD23	0.72	1.61	16	4
1:A:221:ASN:N	1:A:222:PRO:HD3	0.72	1.99	5	1
2:B:184:LEU:HD11	2:B:257:VAL:HB	0.69	1.63	6	3
1:A:231:LEU:HG	2:B:165:LYS:HG3	0.69	1.64	16	2
1:A:223:THR:HA	2:B:231:THR:HA	0.68	1.64	5	1
1:A:217:ALA:O	1:A:220:ARG:HG3	0.65	1.91	7	1
2:B:228:MET:HG3	2:B:233:LEU:HG	0.65	1.69	12	5
2:B:229:LEU:HA	2:B:233:LEU:HB2	0.65	1.66	10	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:229:ASN:HA	1:A:233:CYS:HB2	0.64	1.69	1	5
2:B:161:PRO:HB2	2:B:164:LEU:HD23	0.64	1.69	16	3
2:B:228:MET:HG2	2:B:233:LEU:HB2	0.63	1.68	20	2
2:B:184:LEU:HG	2:B:258:TYR:HD2	0.63	1.53	20	1
1:A:225:PHE:HE2	2:B:265:ARG:HD3	0.63	1.53	13	1
2:B:155:GLU:HA	2:B:275:ALA:HB2	0.63	1.70	10	4
2:B:194:LEU:HG	2:B:218:VAL:HB	0.62	1.72	5	1
2:B:184:LEU:HD11	2:B:257:VAL:HG13	0.61	1.69	18	1
2:B:293:ASP:HA	2:B:296:LYS:NZ	0.61	2.11	4	2
2:B:181:LEU:HD21	2:B:241:GLN:HE21	0.61	1.55	13	1
2:B:228:MET:HB3	2:B:233:LEU:HG	0.59	1.72	6	1
1:A:231:LEU:HA	2:B:165:LYS:HE3	0.59	1.74	16	1
2:B:184:LEU:HD23	2:B:245:ILE:HG13	0.59	1.74	11	5
1:A:222:PRO:HD2	2:B:231:THR:HB	0.59	1.74	5	1
2:B:178:GLN:HE21	2:B:178:GLN:HA	0.59	1.56	7	1
2:B:190:VAL:HB	2:B:255:SER:HB2	0.58	1.73	15	1
1:A:220:ARG:NE	1:A:220:ARG:HA	0.58	2.13	18	3
1:A:227:LEU:HD21	2:B:168:LEU:HG	0.58	1.73	13	1
2:B:253:PRO:HG2	2:B:256:GLN:HB2	0.57	1.76	16	4
1:A:231:LEU:HD23	2:B:165:LYS:HE2	0.57	1.75	9	1
1:A:227:LEU:CD2	2:B:168:LEU:HG	0.57	2.30	13	1
2:B:160:ILE:HG21	2:B:168:LEU:HD21	0.57	1.75	11	1
2:B:229:LEU:HD23	2:B:254:MET:HG3	0.55	1.77	18	1
2:B:155:GLU:HG3	2:B:275:ALA:HB1	0.55	1.79	2	1
2:B:233:LEU:HD11	2:B:266:LEU:HD13	0.55	1.79	3	4
2:B:269:ARG:HE	2:B:269:ARG:HA	0.55	1.61	4	1
1:A:228:PRO:HB2	1:A:231:LEU:HD13	0.55	1.79	7	1
2:B:177:ARG:HA	2:B:177:ARG:HE	0.55	1.62	7	1
2:B:184:LEU:HG	2:B:258:TYR:CD2	0.55	2.36	20	1
2:B:256:GLN:HG2	2:B:257:VAL:H	0.55	1.62	1	2
2:B:160:ILE:HG21	2:B:168:LEU:HD22	0.55	1.79	8	2
2:B:173:ASP:OD1	2:B:177:ARG:HD3	0.55	2.01	19	1
2:B:168:LEU:HD21	2:B:264:LEU:HG	0.54	1.79	15	2
1:A:230:GLU:HG3	1:A:231:LEU:HD12	0.54	1.78	16	2
2:B:232:GLN:HE21	2:B:232:GLN:HA	0.54	1.61	14	1
2:B:240:PRO:HG3	2:B:322:ALA:HA	0.54	1.80	11	3
2:B:287:LEU:O	2:B:291:LEU:HG	0.54	2.01	18	4
2:B:183:TYR:CE1	2:B:312:GLU:HB2	0.54	2.37	12	1
1:A:206:LEU:HB2	2:B:216:GLU:CB	0.54	2.32	9	7
2:B:269:ARG:HA	2:B:269:ARG:HE	0.54	1.63	5	1
2:B:213:ALA:O	2:B:217:VAL:HG23	0.53	2.03	16	9

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:204:PRO:HB3	2:B:212:TYR:CD1	0.53	2.38	16	1
1:A:221:ASN:N	1:A:222:PRO:CD	0.53	2.69	5	1
1:A:214:ILE:O	1:A:218:MET:HG3	0.53	2.03	2	17
2:B:212:TYR:O	2:B:216:GLU:HG2	0.53	2.03	11	2
2:B:210:LYS:HE3	2:B:290:TYR:HE1	0.53	1.64	5	1
2:B:178:GLN:HB3	2:B:180:GLN:HG3	0.52	1.81	2	3
1:A:205:GLN:HG3	2:B:216:GLU:OE1	0.52	2.05	20	1
2:B:184:LEU:HD11	2:B:257:VAL:O	0.52	2.04	20	1
2:B:165:LYS:N	2:B:166:PRO:HD2	0.52	2.19	13	11
2:B:184:LEU:N	2:B:185:PRO:HD2	0.52	2.19	12	7
2:B:210:LYS:HA	2:B:210:LYS:HE2	0.52	1.81	13	1
1:A:225:PHE:CE2	2:B:265:ARG:HD2	0.52	2.40	17	1
2:B:168:LEU:HA	2:B:265:ARG:NH2	0.52	2.20	10	1
2:B:224:TYR:CE2	2:B:266:LEU:HD11	0.52	2.39	13	3
2:B:189:ASN:HA	2:B:259:GLY:CA	0.52	2.35	5	1
2:B:178:GLN:HG3	2:B:180:GLN:HG3	0.52	1.81	6	1
1:A:222:PRO:HB3	2:B:231:THR:CB	0.52	2.35	7	1
1:A:225:PHE:CE2	2:B:265:ARG:HD3	0.52	2.39	13	1
2:B:257:VAL:HG23	2:B:258:TYR:CD1	0.51	2.40	4	2
2:B:194:LEU:HB3	2:B:218:VAL:HG22	0.51	1.82	11	2
2:B:267:PHE:O	2:B:270:ILE:HG22	0.51	2.06	3	8
1:A:216:ALA:O	1:A:220:ARG:HG2	0.51	2.05	12	1
2:B:293:ASP:O	2:B:296:LYS:HG2	0.51	2.05	15	2
2:B:164:LEU:HD21	2:B:264:LEU:HD21	0.51	1.82	13	1
2:B:270:ILE:HD12	2:B:291:LEU:HD21	0.51	1.81	20	1
1:A:207:ARG:O	1:A:211:GLU:HG2	0.51	2.05	11	5
1:A:223:THR:O	2:B:232:GLN:HA	0.51	2.06	2	2
2:B:256:GLN:O	2:B:257:VAL:HG22	0.51	2.06	1	2
2:B:234:LEU:HD22	2:B:238:GLU:HG2	0.51	1.83	3	1
2:B:317:GLU:O	2:B:321:LYS:HG2	0.51	2.06	17	1
2:B:160:ILE:HG21	2:B:168:LEU:HD12	0.50	1.83	18	3
2:B:267:PHE:HA	2:B:270:ILE:HG22	0.50	1.82	19	4
1:A:208:ARG:HB3	1:A:209:PRO:HD3	0.50	1.84	19	4
1:A:230:GLU:OE2	2:B:159:LYS:HA	0.50	2.06	14	1
2:B:269:ARG:O	2:B:273:MET:HG2	0.50	2.06	2	3
1:A:220:ARG:HA	1:A:220:ARG:HE	0.50	1.66	8	1
2:B:252:ALA:HB1	2:B:257:VAL:CG2	0.50	2.37	18	1
1:A:228:PRO:HD2	1:A:231:LEU:HD12	0.50	1.84	19	5
1:A:207:ARG:HB2	2:B:216:GLU:OE2	0.50	2.07	4	1
2:B:239:ARG:N	2:B:240:PRO:HD2	0.49	2.22	18	8
2:B:239:ARG:HB2	2:B:240:PRO:HD3	0.49	1.82	8	7

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:B:156:VAL:HB	2:B:284:LEU:HD11	0.49	1.83	17	1
2:B:271:GLY:HA2	2:B:274:LEU:HD12	0.49	1.84	20	1
2:B:274:LEU:HD22	2:B:279:LEU:HD11	0.49	1.83	14	1
2:B:168:LEU:HD21	2:B:264:LEU:HD12	0.49	1.83	10	1
2:B:269:ARG:NE	2:B:269:ARG:HA	0.49	2.23	15	2
1:A:222:PRO:HA	2:B:231:THR:O	0.49	2.06	20	4
2:B:164:LEU:HD21	2:B:264:LEU:HD11	0.49	1.85	15	2
1:A:214:ILE:HG23	2:B:227:VAL:HG11	0.48	1.84	3	2
2:B:294:PHE:O	2:B:298:LEU:HG	0.48	2.08	15	1
2:B:186:ALA:HB3	2:B:258:TYR:HB3	0.48	1.85	20	1
2:B:165:LYS:HB3	2:B:166:PRO:HD3	0.48	1.85	18	4
2:B:284:LEU:O	2:B:288:LEU:HD23	0.48	2.08	17	1
1:A:213:LEU:HG	2:B:224:TYR:CE1	0.48	2.43	5	6
1:A:206:LEU:HB2	2:B:216:GLU:CG	0.48	2.39	3	1
2:B:291:LEU:O	2:B:295:LEU:HD23	0.48	2.08	7	1
2:B:292:HIS:O	2:B:296:LYS:HG3	0.48	2.07	17	3
1:A:227:LEU:HD23	2:B:168:LEU:HB3	0.48	1.86	7	2
2:B:302:SER:HA	2:B:306:PHE:HD2	0.48	1.69	1	1
2:B:175:ILE:O	2:B:179:LYS:HA	0.47	2.09	13	5
2:B:260:ALA:N	2:B:261:PRO:HD2	0.47	2.24	4	8
2:B:214:VAL:O	2:B:218:VAL:HG23	0.47	2.09	11	3
2:B:270:ILE:HD13	2:B:291:LEU:HD21	0.47	1.86	2	1
2:B:185:PRO:HA	2:B:258:TYR:CD2	0.47	2.45	20	1
1:A:206:LEU:HB2	2:B:216:GLU:HB2	0.47	1.85	10	2
2:B:260:ALA:HB3	2:B:261:PRO:HD3	0.47	1.87	9	5
2:B:257:VAL:HG23	2:B:258:TYR:CD2	0.47	2.45	10	2
2:B:240:PRO:HG3	2:B:322:ALA:HB2	0.47	1.86	14	1
1:A:226:GLN:NE2	1:A:226:GLN:H	0.46	2.08	20	1
2:B:161:PRO:CG	2:B:295:LEU:HB3	0.46	2.40	19	1
2:B:194:LEU:CD2	2:B:218:VAL:HG13	0.46	2.40	19	1
1:A:213:LEU:HB3	2:B:224:TYR:CE1	0.46	2.46	2	1
2:B:202:LYS:HE2	2:B:211:GLU:HG3	0.46	1.86	2	2
2:B:228:MET:SD	2:B:232:GLN:HB2	0.46	2.50	5	1
1:A:222:PRO:CB	2:B:231:THR:HB	0.46	2.39	7	1
2:B:228:MET:HG3	2:B:232:GLN:HB3	0.46	1.88	11	1
2:B:264:LEU:HD23	2:B:298:LEU:HD13	0.46	1.86	13	1
2:B:188:LYS:O	2:B:259:GLY:HA3	0.46	2.09	16	1
2:B:171:ASP:O	2:B:175:ILE:HG12	0.46	2.10	20	1
1:A:208:ARG:HB2	1:A:209:PRO:HD3	0.46	1.88	5	1
1:A:205:GLN:HB2	2:B:216:GLU:OE2	0.46	2.11	9	1
2:B:236:LYS:HA	2:B:239:ARG:HG2	0.46	1.88	20	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:B:183:TYR:HE1	2:B:312:GLU:HB2	0.46	1.70	9	1
2:B:229:LEU:HA	2:B:233:LEU:HB3	0.46	1.86	9	1
1:A:227:LEU:HB2	1:A:234:THR:HG23	0.46	1.86	2	1
2:B:184:LEU:CG	2:B:257:VAL:HB	0.46	2.39	11	1
1:A:229:ASN:HA	1:A:233:CYS:HA	0.46	1.88	19	1
2:B:184:LEU:HB3	2:B:185:PRO:HD3	0.46	1.86	2	3
2:B:160:ILE:HD11	2:B:268:VAL:HA	0.46	1.87	14	3
1:A:222:PRO:HB3	2:B:231:THR:HB	0.46	1.88	7	1
2:B:315:PRO:HG2	2:B:318:TYR:HB2	0.46	1.87	16	1
2:B:283:SER:O	2:B:286:LEU:HB3	0.45	2.11	7	3
2:B:229:LEU:HA	2:B:233:LEU:CB	0.45	2.41	18	2
2:B:161:PRO:HG2	2:B:164:LEU:HD12	0.45	1.86	19	1
1:A:204:PRO:HG2	2:B:286:LEU:HD22	0.45	1.88	2	1
2:B:168:LEU:HD21	2:B:264:LEU:HB3	0.45	1.87	3	1
2:B:242:TYR:CE1	2:B:246:LEU:HD21	0.45	2.47	3	1
2:B:237:PHE:HA	2:B:322:ALA:HB1	0.45	1.86	8	3
1:A:204:PRO:O	1:A:205:GLN:HB3	0.45	2.12	13	1
2:B:279:LEU:HD12	2:B:284:LEU:HD13	0.45	1.88	2	1
1:A:231:LEU:HD22	2:B:165:LYS:HG3	0.45	1.88	19	1
1:A:210:PHE:O	1:A:214:ILE:HG13	0.45	2.11	16	3
1:A:208:ARG:O	1:A:211:GLU:HB3	0.45	2.12	4	1
2:B:315:PRO:HB2	2:B:317:GLU:OE2	0.45	2.11	13	1
1:A:213:LEU:HD21	2:B:274:LEU:HD23	0.45	1.87	2	3
2:B:194:LEU:HD21	2:B:218:VAL:O	0.45	2.11	14	2
2:B:286:LEU:HG	2:B:290:TYR:CE2	0.45	2.47	1	1
2:B:293:ASP:HA	2:B:296:LYS:HZ2	0.45	1.71	4	1
2:B:212:TYR:O	2:B:216:GLU:HG3	0.44	2.12	10	1
2:B:299:ALA:HA	2:B:302:SER:OG	0.44	2.11	12	1
1:A:228:PRO:HD2	1:A:231:LEU:HD23	0.44	1.87	13	1
2:B:291:LEU:O	2:B:295:LEU:HG	0.44	2.12	18	3
2:B:202:LYS:HE2	2:B:211:GLU:HB2	0.44	1.88	16	2
2:B:302:SER:O	2:B:306:PHE:HB2	0.44	2.12	1	1
2:B:156:VAL:HG11	2:B:284:LEU:HD11	0.44	1.90	2	1
2:B:308:ALA:HA	2:B:311:TYR:CD1	0.44	2.48	18	1
2:B:182:PHE:HB2	2:B:311:TYR:CE2	0.44	2.47	12	3
2:B:190:VAL:HG23	2:B:263:LEU:HD22	0.44	1.88	5	1
2:B:232:GLN:HG3	2:B:269:ARG:HG2	0.44	1.89	1	1
2:B:173:ASP:OD2	2:B:177:ARG:HD3	0.44	2.12	3	2
2:B:160:ILE:HG21	2:B:168:LEU:CD1	0.44	2.40	17	3
1:A:212:LEU:CB	2:B:277:THR:HG23	0.43	2.43	9	1
2:B:298:LEU:HA	2:B:305:LEU:HD12	0.43	1.88	11	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:B:198:ALA:O	2:B:202:LYS:HG3	0.43	2.13	12	1
2:B:174:LEU:HD21	2:B:311:TYR:CG	0.43	2.48	17	1
2:B:162:GLU:HG3	2:B:165:LYS:HE2	0.43	1.88	15	1
2:B:177:ARG:HB2	2:B:178:GLN:NE2	0.43	2.28	12	1
1:A:214:ILE:O	1:A:218:MET:HG2	0.43	2.14	13	1
2:B:217:VAL:O	2:B:221:ILE:HG12	0.43	2.13	6	3
2:B:219:ALA:O	2:B:223:GLU:HG2	0.43	2.14	3	2
2:B:213:ALA:O	2:B:217:VAL:HG12	0.43	2.13	10	1
2:B:193:ILE:HD11	2:B:260:ALA:HB2	0.43	1.88	17	2
2:B:161:PRO:HG2	2:B:295:LEU:HB3	0.43	1.90	19	1
2:B:218:VAL:O	2:B:222:LYS:HG3	0.43	2.14	2	2
2:B:156:VAL:HG21	2:B:274:LEU:HB3	0.43	1.91	4	2
2:B:164:LEU:HD22	2:B:264:LEU:HD11	0.43	1.89	18	1
1:A:220:ARG:HB3	2:B:232:GLN:HG3	0.43	1.90	11	1
1:A:226:GLN:HE21	2:B:176:THR:HG21	0.43	1.74	13	1
2:B:233:LEU:HD11	2:B:265:ARG:HB2	0.43	1.91	20	1
2:B:170:ASP:O	2:B:174:LEU:HG	0.43	2.14	8	2
2:B:184:LEU:HD12	2:B:184:LEU:O	0.43	2.12	8	1
1:A:229:ASN:HA	1:A:233:CYS:CA	0.43	2.44	12	1
2:B:180:GLN:HA	2:B:313:VAL:HA	0.43	1.90	17	1
2:B:229:LEU:HD23	2:B:230:GLY:N	0.42	2.29	14	1
1:A:225:PHE:HE1	2:B:269:ARG:HB2	0.42	1.74	14	1
2:B:240:PRO:HB2	2:B:318:TYR:CE1	0.42	2.50	15	1
1:A:210:PHE:CE2	2:B:217:VAL:HA	0.42	2.50	7	3
2:B:194:LEU:HG	2:B:218:VAL:HG13	0.42	1.90	10	1
2:B:241:GLN:O	2:B:245:ILE:HG12	0.42	2.14	9	2
1:A:213:LEU:HD13	2:B:274:LEU:HD23	0.42	1.91	14	2
1:A:204:PRO:HB3	2:B:212:TYR:HD1	0.42	1.74	16	1
2:B:184:LEU:HD21	2:B:257:VAL:HB	0.42	1.91	17	1
2:B:279:LEU:HB2	2:B:284:LEU:CD2	0.42	2.45	11	1
2:B:234:LEU:HB2	2:B:238:GLU:HB2	0.42	1.90	1	1
2:B:174:LEU:O	2:B:178:GLN:HB2	0.42	2.15	11	1
2:B:183:TYR:HE2	2:B:312:GLU:HB2	0.42	1.75	17	1
1:A:229:ASN:HA	1:A:233:CYS:SG	0.42	2.55	5	1
2:B:316:PRO:O	2:B:319:HIS:HB2	0.42	2.15	13	1
2:B:164:LEU:HD21	2:B:299:ALA:HB2	0.42	1.91	16	1
2:B:155:GLU:HA	2:B:275:ALA:CB	0.41	2.44	10	1
2:B:174:LEU:HA	2:B:178:GLN:CG	0.41	2.45	11	1
2:B:174:LEU:HA	2:B:178:GLN:HB2	0.41	1.91	15	1
1:A:207:ARG:O	1:A:211:GLU:HB2	0.41	2.15	2	1
2:B:269:ARG:HA	2:B:269:ARG:NE	0.41	2.30	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:206:LEU:HB3	1:A:210:PHE:CD2	0.41	2.50	7	1
1:A:225:PHE:CE1	2:B:269:ARG:HB2	0.41	2.50	14	1
2:B:317:GLU:O	2:B:321:LYS:HG3	0.41	2.15	15	1
2:B:189:ASN:CB	2:B:258:TYR:HA	0.41	2.46	20	1
2:B:254:MET:HA	2:B:257:VAL:CG2	0.41	2.45	20	1
1:A:222:PRO:HA	2:B:231:THR:HA	0.41	1.91	3	1
2:B:165:LYS:HB2	2:B:166:PRO:HD3	0.41	1.91	15	1
1:A:207:ARG:O	1:A:211:GLU:HG3	0.41	2.16	12	1
2:B:274:LEU:HD13	2:B:284:LEU:HD11	0.41	1.91	20	1
2:B:181:LEU:HD11	2:B:241:GLN:NE2	0.41	2.31	3	1
2:B:194:LEU:CG	2:B:218:VAL:HB	0.41	2.43	5	1
2:B:175:ILE:HG21	2:B:235:TYR:CD2	0.41	2.50	3	1
2:B:260:ALA:O	2:B:263:LEU:HB3	0.41	2.16	10	1
2:B:183:TYR:CE2	2:B:312:GLU:HB2	0.41	2.51	17	1
2:B:189:ASN:ND2	2:B:256:GLN:HA	0.41	2.31	18	1
2:B:194:LEU:HD11	2:B:222:LYS:HB2	0.41	1.92	8	1
1:A:206:LEU:HG	2:B:217:VAL:CB	0.41	2.35	14	1
1:A:224:GLN:OE1	2:B:236:LYS:HD2	0.41	2.16	14	1
2:B:265:ARG:O	2:B:268:VAL:HG22	0.41	2.15	16	1
1:A:225:PHE:HB2	2:B:232:GLN:O	0.41	2.16	18	1
1:A:220:ARG:CZ	1:A:220:ARG:HA	0.41	2.45	19	1
2:B:308:ALA:HA	2:B:311:TYR:CE1	0.41	2.51	1	1
2:B:182:PHE:HB3	2:B:311:TYR:CD1	0.41	2.50	6	1
2:B:270:ILE:O	2:B:274:LEU:HG	0.41	2.15	6	1
2:B:229:LEU:HD13	2:B:230:GLY:N	0.41	2.31	7	1
1:A:220:ARG:HE	1:A:220:ARG:CA	0.41	2.29	8	1
2:B:156:VAL:CG1	2:B:288:LEU:HD21	0.41	2.45	18	1
1:A:226:GLN:HB2	2:B:269:ARG:NH2	0.41	2.31	19	1
2:B:212:TYR:CD1	2:B:213:ALA:N	0.41	2.89	15	1
2:B:174:LEU:HA	2:B:178:GLN:OE1	0.41	2.16	20	1
2:B:184:LEU:HG	2:B:245:ILE:CD1	0.40	2.46	10	1
1:A:224:GLN:OE1	2:B:236:LYS:HB2	0.40	2.15	19	1
2:B:173:ASP:O	2:B:177:ARG:HG2	0.40	2.16	20	1
1:A:220:ARG:NE	1:A:220:ARG:CA	0.40	2.84	18	1
1:A:210:PHE:CZ	2:B:217:VAL:HA	0.40	2.51	1	1
2:B:202:LYS:HE2	2:B:211:GLU:HG2	0.40	1.93	7	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	31/42 (74%)	26±1 (85±4%)	3±1 (11±4%)	1±1 (5±2%)	3	27
2	B	163/172 (95%)	157±2 (96±1%)	6±2 (3±1%)	0±1 (0±0%)	38	78
All	All	3880/4280 (91%)	3660 (94%)	182 (5%)	38 (1%)	16	65

All 13 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	232	THR	8
1	A	233	CYS	8
1	A	222	PRO	6
2	B	159	LYS	5
2	B	257	VAL	2
1	A	224	GLN	2
2	B	185	PRO	1
1	A	220	ARG	1
2	B	307	SER	1
1	A	204	PRO	1
1	A	205	GLN	1
1	A	234	THR	1
2	B	155	GLU	1

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	28/37 (76%)	27±1 (96±3%)	1±1 (4±3%)	32	84
2	B	144/150 (96%)	139±3 (96±2%)	5±3 (4±2%)	31	83

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
All	All	3440/3740 (92%)	3314 (96%)	126 (4%)	31 83

All 54 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)
2	B	284	LEU	13
2	B	254	MET	9
1	A	208	ARG	5
2	B	229	LEU	5
2	B	184	LEU	5
2	B	264	LEU	5
2	B	232	GLN	4
2	B	312	GLU	4
2	B	210	LYS	4
2	B	293	ASP	3
1	A	223	THR	3
1	A	224	GLN	3
2	B	256	GLN	3
2	B	269	ARG	3
2	B	233	LEU	3
1	A	205	GLN	3
2	B	294	PHE	2
2	B	162	GLU	2
2	B	170	ASP	2
2	B	289	ASN	2
2	B	317	GLU	2
1	A	227	LEU	2
2	B	320	ARG	2
2	B	157	LYS	2
2	B	262	HIS	2
2	B	310	ASP	2
2	B	189	ASN	2
2	B	216	GLU	2
2	B	270	ILE	2
2	B	234	LEU	1
1	A	221	ASN	1
2	B	176	THR	1
2	B	238	GLU	1
2	B	251	ASP	1
2	B	282	LYS	1
2	B	178	GLN	1

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Mol	Chain	Res	Type	Models (Total)
2	B	212	TYR	1
2	B	265	ARG	1
2	B	174	LEU	1
2	B	180	GLN	1
2	B	281	GLU	1
2	B	300	LYS	1
2	B	196	ASP	1
1	A	231	LEU	1
2	B	165	LYS	1
1	A	206	LEU	1
2	B	191	ASP	1
2	B	226	ASN	1
2	B	228	MET	1
2	B	280	ASP	1
1	A	226	GLN	1
2	B	211	GLU	1
2	B	258	TYR	1
2	B	278	PRO	1

### 6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

### 6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

### 6.6 Ligand geometry [i](#)

There are no ligands in this entry.

### 6.7 Other polymers [i](#)

There are no such molecules in this entry.



## 6.8 Polymer linkage issues

There are no chain breaks in this entry.

## 7 Chemical shift validation (i)

The completeness of assignment taking into account all chemical shift lists is 81% for the well-defined parts and 81% for the entire structure.

### 7.1 Chemical shift list 1

File name: working\_cs.cif

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

#### 7.1.1 Bookkeeping (i)

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

Total number of shifts	2461
Number of shifts mapped to atoms	2461
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	6

#### 7.1.2 Chemical shift referencing (i)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
<sup>13</sup> C <sub><math>\alpha</math></sub>	211	1.50 $\pm$ 0.07	Should be checked
<sup>13</sup> C <sub><math>\beta</math></sub>	201	2.08 $\pm$ 0.08	Should be checked
<sup>13</sup> C'	207	1.84 $\pm$ 0.10	Should be applied
<sup>15</sup> N	187	0.53 $\pm$ 0.32	None needed (imprecise)

#### 7.1.3 Completeness of resonance assignments (i)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 81%, i.e. 2287 atoms were assigned a chemical shift out of a possible 2811. 0 out of 40 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	<sup>1</sup> H	<sup>13</sup> C	<sup>15</sup> N
Backbone	925/951 (97%)	370/380 (97%)	382/390 (98%)	173/181 (96%)
Sidechain	1283/1607 (80%)	860/1048 (82%)	409/499 (82%)	14/60 (23%)

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	Total	<sup>1</sup> H	<sup>13</sup> C	<sup>15</sup> N
Aromatic	79/253 (31%)	63/120 (52%)	15/123 (12%)	1/10 (10%)
Overall	2287/2811 (81%)	1293/1548 (84%)	806/1012 (80%)	188/251 (75%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 81%, i.e. 2458 atoms were assigned a chemical shift out of a possible 3018. 0 out of 42 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	<sup>1</sup> H	<sup>13</sup> C	<sup>15</sup> N
Backbone	1007/1046 (96%)	402/419 (96%)	418/428 (98%)	187/199 (94%)
Sidechain	1368/1710 (80%)	917/1114 (82%)	435/532 (82%)	16/64 (25%)
Aromatic	83/262 (32%)	65/124 (52%)	17/128 (13%)	1/10 (10%)
Overall	2458/3018 (81%)	1384/1657 (84%)	870/1088 (80%)	204/273 (75%)

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

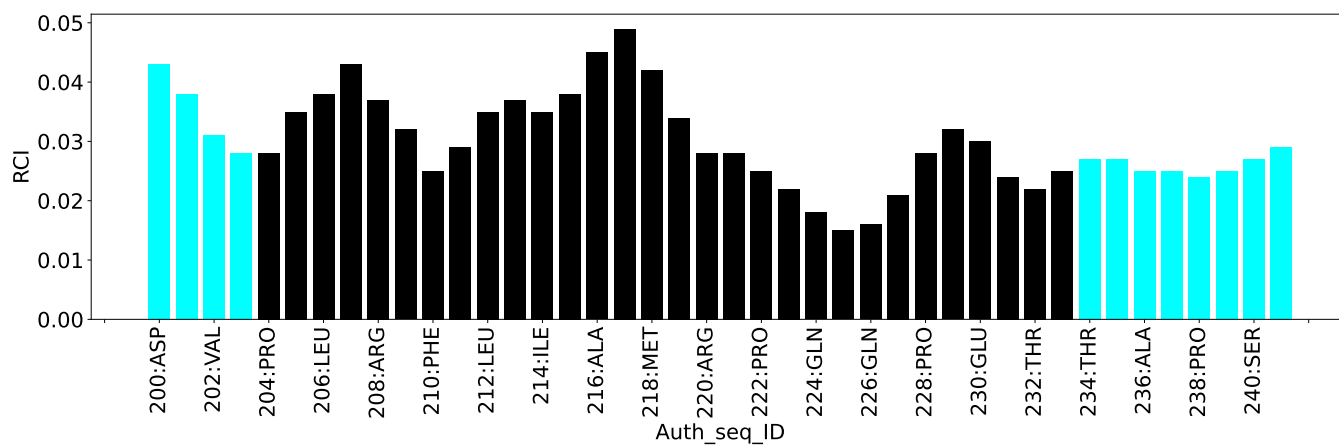
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	223	THR	HG1	5.09	0.08 – 2.19	18.7
1	B	231	THR	HG1	4.62	0.08 – 2.19	16.5
1	B	172	TRP	NE1	111.63	118.53 – 139.98	-8.2
1	B	176	THR	HG1	2.64	0.08 – 2.19	7.1
1	B	220	GLY	HA2	1.98	2.15 – 5.77	-5.5
1	B	306	PHE	HB2	1.08	1.20 – 4.80	-5.3

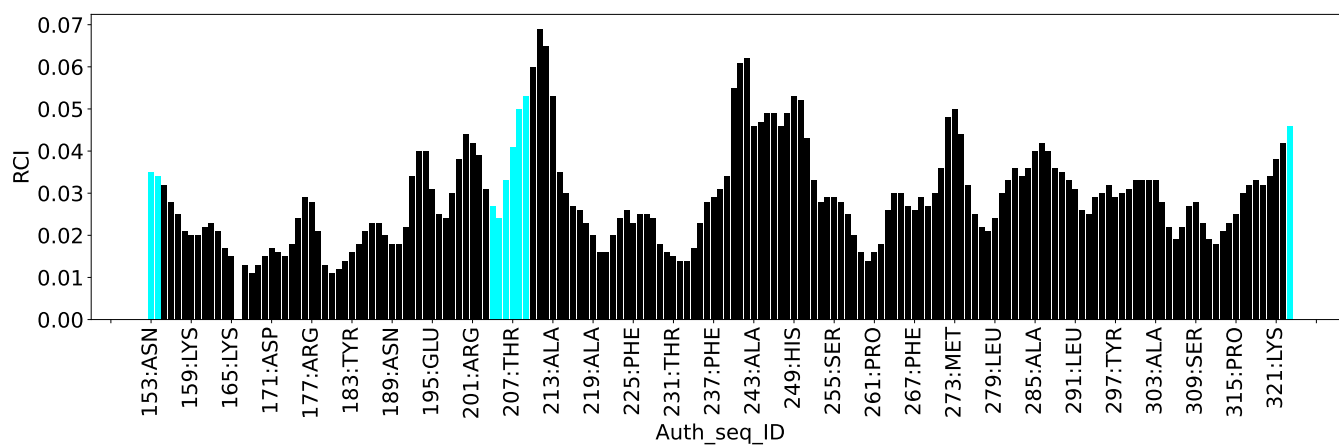
#### 7.1.5 Random Coil Index (RCI) plots [i](#)

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:



Random coil index (RCI) for chain B:



## 8 NMR restraints analysis

### 8.1 Conformationally restricting restraints

The following table provides the summary of experimentally observed NMR restraints in different categories. Restraints are classified into different categories based on the sequence separation of the atoms involved.

Description	Value
Total distance restraints	4124
Intra-residue ( $ i-j =0$ )	1909
Sequential ( $ i-j =1$ )	746
Medium range ( $ i-j >1$ and $ i-j <5$ )	544
Long range ( $ i-j \geq 5$ )	425
Inter-chain	388
Hydrogen bond restraints	112
Disulfide bond restraints	0
Total dihedral-angle restraints	268
Number of unmapped restraints	0
Number of restraints per residue	20.5
Number of long range restraints per residue <sup>1</sup>	2.0

<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)	47.0	0.2
0.2-0.5 (Medium)	58.4	0.5
>0.5 (Large)	57.8	3.5

### 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)	5.0	4.29
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

## 9 Distance violation analysis

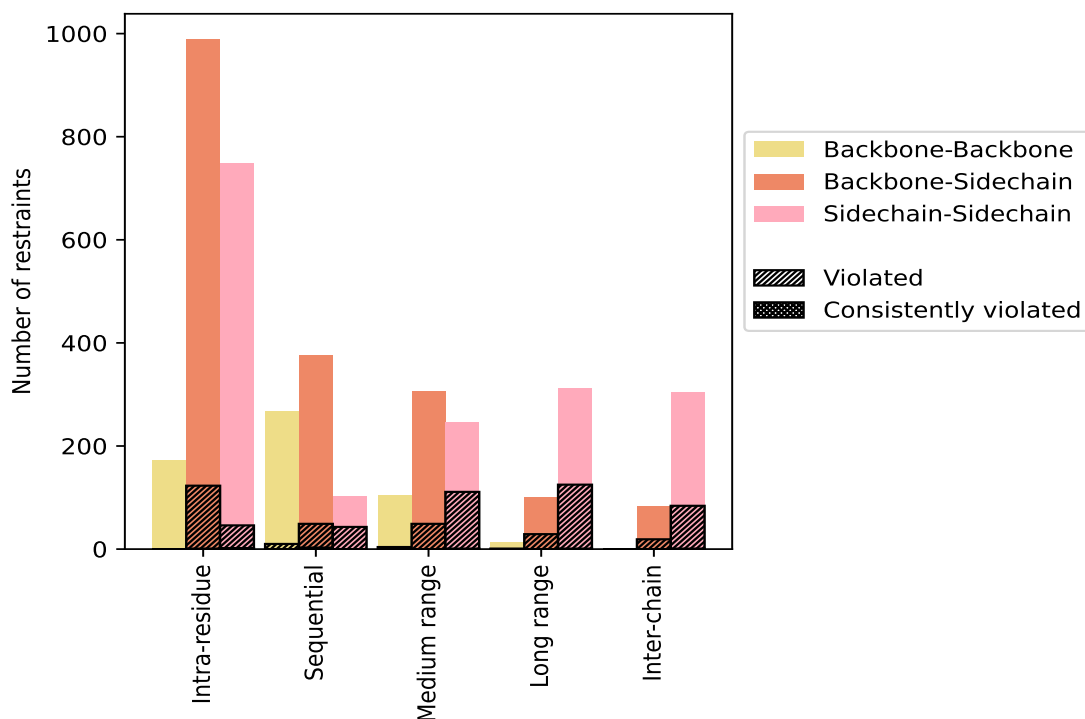
### 9.1 Summary of distance violations

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

Restrains type	Count	% <sup>1</sup>	Violated <sup>3</sup>			Consistently Violated <sup>4</sup>		
			Count	% <sup>2</sup>	% <sup>1</sup>	Count	% <sup>2</sup>	% <sup>1</sup>
<b>Intra-residue (<math> i-j =0</math>)</b>	<b>1909</b>	<b>46.3</b>	<b>169</b>	<b>8.9</b>	<b>4.1</b>	<b>3</b>	<b>0.2</b>	<b>0.1</b>
Backbone-Backbone	172	4.2	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	989	24.0	123	12.4	3.0	1	0.1	0.0
Sidechain-Sidechain	748	18.1	46	6.1	1.1	2	0.3	0.0
<b>Sequential (<math> i-j =1</math>)</b>	<b>746</b>	<b>18.1</b>	<b>102</b>	<b>13.7</b>	<b>2.5</b>	<b>3</b>	<b>0.4</b>	<b>0.1</b>
Backbone-Backbone	268	6.5	10	3.7	0.2	0	0.0	0.0
Backbone-Sidechain	376	9.1	49	13.0	1.2	3	0.8	0.1
Sidechain-Sidechain	102	2.5	43	42.2	1.0	0	0.0	0.0
<b>Medium range (<math> i-j &gt;1</math> &amp; <math> i-j &lt;5</math>)</b>	<b>544</b>	<b>13.2</b>	<b>157</b>	<b>28.9</b>	<b>3.8</b>	<b>1</b>	<b>0.2</b>	<b>0.0</b>
Backbone-Backbone	105	2.5	4	3.8	0.1	0	0.0	0.0
Backbone-Sidechain	193	4.7	42	21.8	1.0	0	0.0	0.0
Sidechain-Sidechain	246	6.0	111	45.1	2.7	1	0.4	0.0
<b>Long range (<math> i-j \geq 5</math>)</b>	<b>425</b>	<b>10.3</b>	<b>155</b>	<b>36.5</b>	<b>3.8</b>	<b>1</b>	<b>0.2</b>	<b>0.0</b>
Backbone-Backbone	13	0.3	1	7.7	0.0	0	0.0	0.0
Backbone-Sidechain	101	2.4	29	28.7	0.7	0	0.0	0.0
Sidechain-Sidechain	311	7.5	125	40.2	3.0	1	0.3	0.0
<b>Inter-chain</b>	<b>388</b>	<b>9.4</b>	<b>103</b>	<b>26.5</b>	<b>2.5</b>	<b>1</b>	<b>0.3</b>	<b>0.0</b>
Backbone-Backbone	1	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	83	2.0	19	22.9	0.5	0	0.0	0.0
Sidechain-Sidechain	304	7.4	84	27.6	2.0	1	0.3	0.0
<b>Hydrogen bond</b>	<b>112</b>	<b>2.7</b>	<b>7</b>	<b>6.2</b>	<b>0.2</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
<b>Disulfide bond</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total</b>	<b>4124</b>	<b>100.0</b>	<b>693</b>	<b>16.8</b>	<b>16.8</b>	<b>9</b>	<b>0.2</b>	<b>0.2</b>
Backbone-Backbone	559	13.6	15	2.7	0.4	0	0.0	0.0
Backbone-Sidechain	1854	45.0	269	14.5	6.5	4	0.2	0.1
Sidechain-Sidechain	1711	41.5	409	23.9	9.9	5	0.3	0.1

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

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



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

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

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD <sup>6</sup> (Å)	Median (Å)
	IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>	Total				
1	31	18	34	38	22	143	0.53	2.61	0.47	0.37
2	37	20	45	30	32	164	0.55	3.08	0.5	0.34
3	43	30	37	44	22	176	0.52	3.19	0.56	0.32
4	44	22	51	41	44	202	0.6	2.5	0.53	0.42
5	33	22	38	43	27	163	0.53	2.68	0.5	0.38
6	41	18	36	39	18	152	0.5	2.83	0.47	0.34
7	44	21	38	29	26	158	0.48	2.72	0.45	0.3
8	43	32	39	48	18	180	0.5	2.79	0.47	0.36
9	40	19	45	25	23	152	0.45	2.75	0.45	0.29
10	41	22	35	54	21	173	0.51	2.79	0.49	0.36

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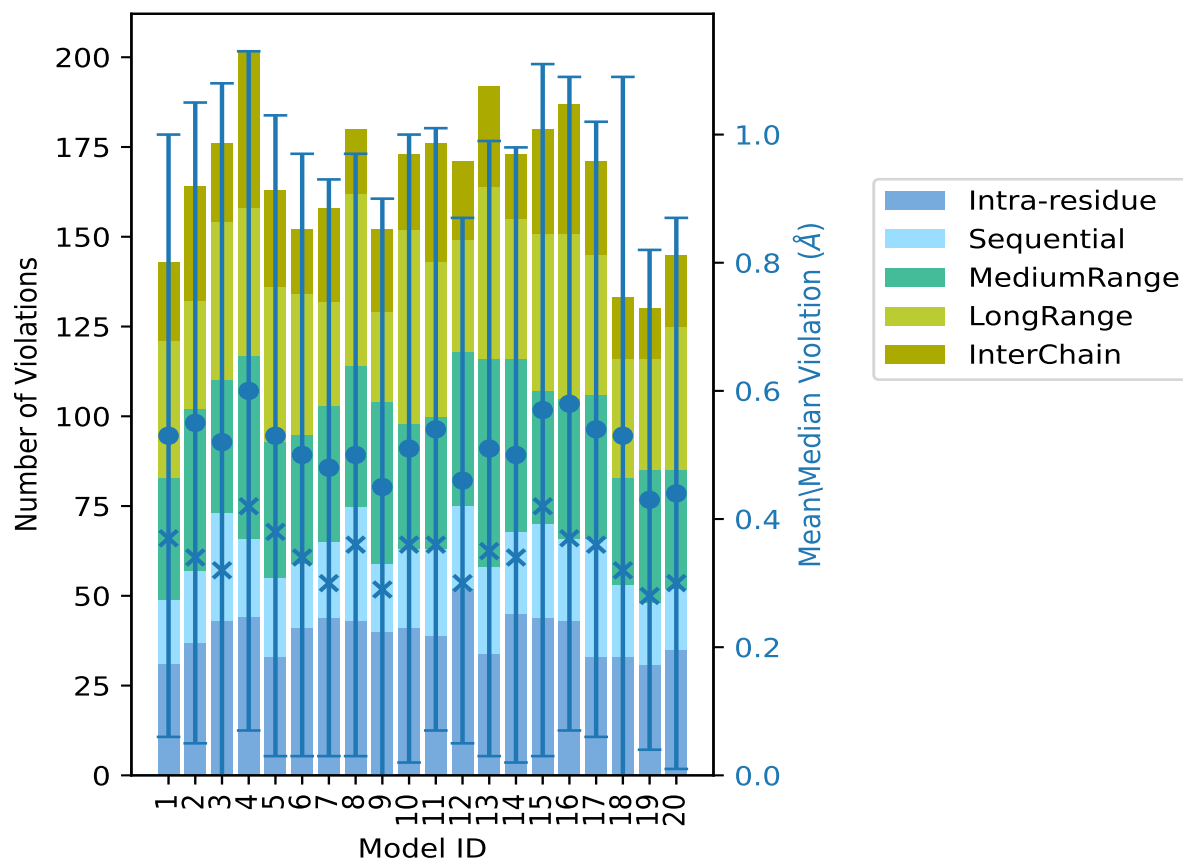


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Model ID	Number of violations					Total	Mean (Å)	Max (Å)	SD <sup>6</sup> (Å)	Median (Å)
	IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>					
11	39	24	37	43	33	176	0.54	2.56	0.47	0.36
12	52	23	43	31	22	171	0.46	2.33	0.41	0.3
13	34	24	58	48	28	192	0.51	3.48	0.48	0.35
14	45	23	48	39	18	173	0.5	3.22	0.48	0.34
15	44	26	37	44	29	180	0.57	3.5	0.54	0.42
16	43	23	39	46	36	187	0.58	2.28	0.51	0.37
17	33	33	40	39	26	171	0.54	2.4	0.48	0.36
18	33	20	30	33	17	133	0.53	3.23	0.56	0.32
19	31	17	37	31	14	130	0.43	2.46	0.39	0.28
20	35	17	33	40	20	145	0.44	2.96	0.43	0.3

<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

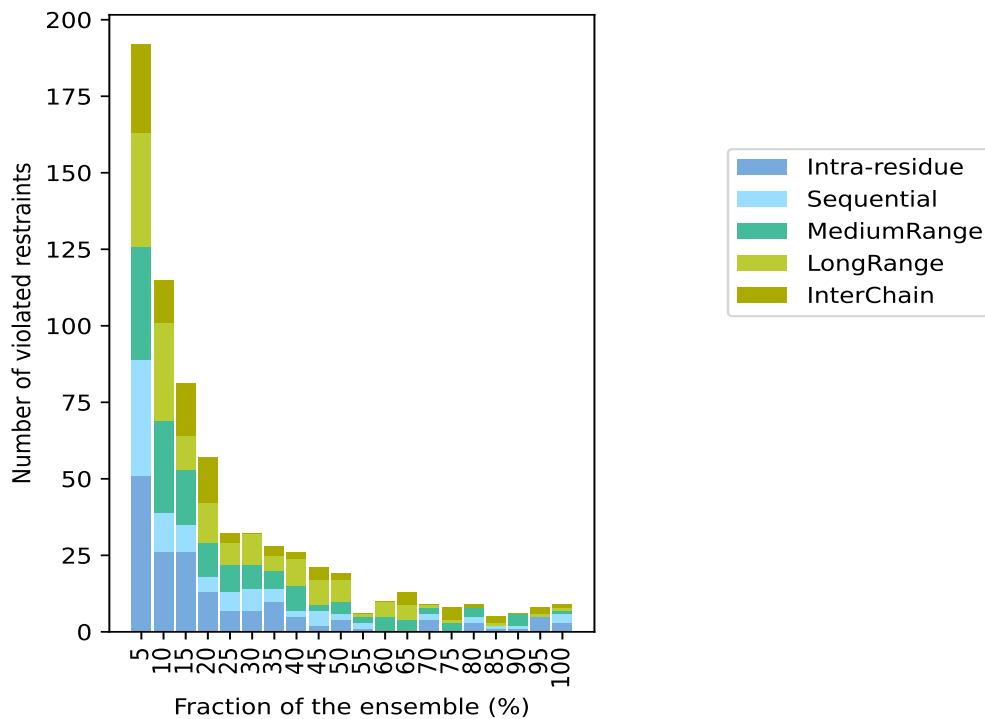
### 9.3 Distance violation statistics for the ensemble

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, 3326(IR:1740, SQ:644, MR:387, LR:270, IC:285) 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>	%
51	38	37	37	29	192	1	5.0
26	13	30	32	14	115	2	10.0
26	9	18	11	17	81	3	15.0
13	5	11	13	15	57	4	20.0
7	6	9	7	3	32	5	25.0
7	7	8	10	0	32	6	30.0
10	4	6	5	3	28	7	35.0
5	2	8	9	2	26	8	40.0
2	5	2	8	4	21	9	45.0
4	2	4	7	2	19	10	50.0
1	2	2	1	0	6	11	55.0
0	0	5	5	0	10	12	60.0
0	0	4	5	4	13	13	65.0
4	2	2	1	0	9	14	70.0
0	0	3	1	4	8	15	75.0
3	2	3	0	1	9	16	80.0
1	1	0	1	2	5	17	85.0
1	1	4	0	0	6	18	90.0
5	0	0	1	2	8	19	95.0
3	3	1	1	1	9	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

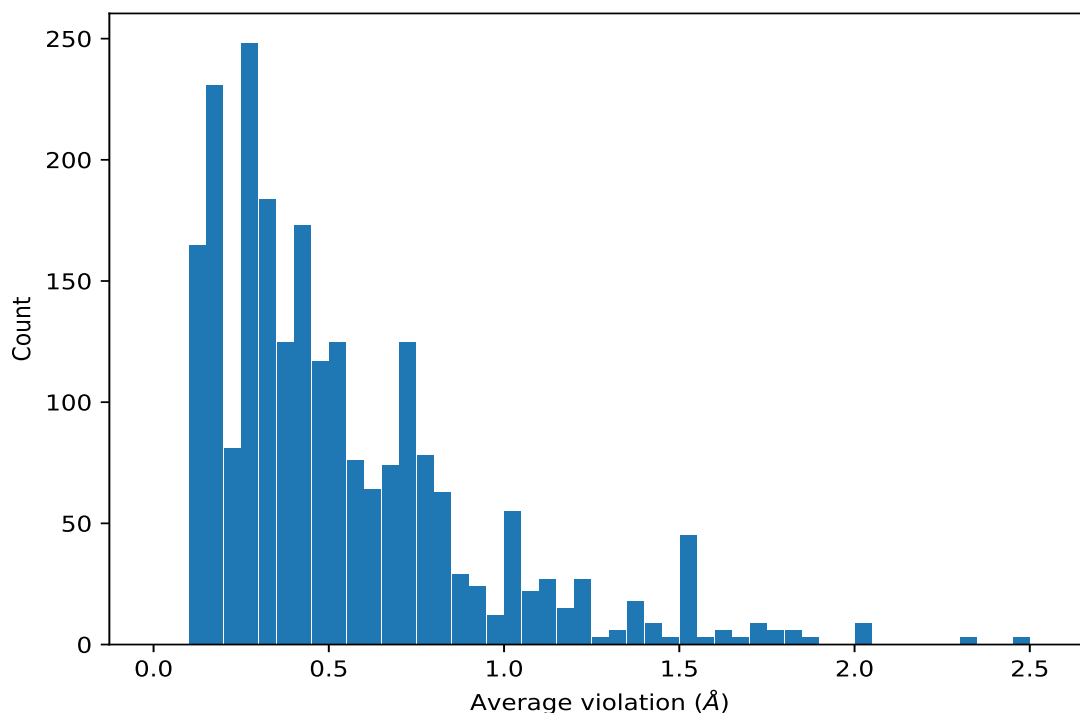
### 9.3.1 Bar graph : Distance violation statistics for the ensemble [\(i\)](#)



## 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)
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD11	2:279:B:LEU:HD21	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD11	2:279:B:LEU:HD22	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD11	2:279:B:LEU:HD23	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD12	2:279:B:LEU:HD21	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD12	2:279:B:LEU:HD22	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD12	2:279:B:LEU:HD23	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD13	2:279:B:LEU:HD21	20	1.51	0.34	1.5

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3805)	2:284:B:LEU:HD13	2:279:B:LEU:HD22	20	1.51	0.34	1.5
(1,3805)	2:284:B:LEU:HD13	2:279:B:LEU:HD23	20	1.51	0.34	1.5
(1,3805)	2:263:B:LEU:HD21	2:266:B:LEU:HD11	20	1.51	0.34	1.5
(1,3805)	2:263:B:LEU:HD21	2:266:B:LEU:HD12	20	1.51	0.34	1.5
(1,3805)	2:263:B:LEU:HD21	2:266:B:LEU:HD13	20	1.51	0.34	1.5
(1,3805)	2:263:B:LEU:HD22	2:266:B:LEU:HD11	20	1.51	0.34	1.5
(1,3805)	2:263:B:LEU:HD22	2:266:B:LEU:HD12	20	1.51	0.34	1.5
(1,3805)	2:263:B:LEU:HD22	2:266:B:LEU:HD13	20	1.51	0.34	1.5
(1,3805)	2:263:B:LEU:HD23	2:266:B:LEU:HD11	20	1.51	0.34	1.5
(1,3805)	2:263:B:LEU:HD23	2:266:B:LEU:HD12	20	1.51	0.34	1.5
(1,3805)	2:263:B:LEU:HD23	2:266:B:LEU:HD13	20	1.51	0.34	1.5
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	20	1.08	0.28	1.2
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	20	1.08	0.28	1.2
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	20	1.08	0.28	1.2
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	20	1.08	0.28	1.2
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	20	1.08	0.28	1.2
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	20	1.08	0.28	1.2
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	20	1.08	0.28	1.2
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	20	1.08	0.28	1.2
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	20	1.08	0.28	1.2
(1,3879)	2:266:B:LEU:HD11	1:213:A:LEU:HD11	20	1.08	0.28	1.2
(1,3879)	2:266:B:LEU:HD11	1:213:A:LEU:HD12	20	1.08	0.28	1.2
(1,3879)	2:266:B:LEU:HD11	1:213:A:LEU:HD13	20	1.08	0.28	1.2
(1,3879)	2:266:B:LEU:HD12	1:213:A:LEU:HD11	20	1.08	0.28	1.2
(1,3879)	2:266:B:LEU:HD12	1:213:A:LEU:HD12	20	1.08	0.28	1.2
(1,3879)	2:266:B:LEU:HD12	1:213:A:LEU:HD13	20	1.08	0.28	1.2
(1,3879)	2:266:B:LEU:HD13	1:213:A:LEU:HD11	20	1.08	0.28	1.2
(1,3879)	2:266:B:LEU:HD13	1:213:A:LEU:HD12	20	1.08	0.28	1.2
(1,3879)	2:266:B:LEU:HD13	1:213:A:LEU:HD13	20	1.08	0.28	1.2
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG21	20	0.68	0.17	0.73
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG22	20	0.68	0.17	0.73
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG23	20	0.68	0.17	0.73
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG21	20	0.68	0.17	0.73
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG22	20	0.68	0.17	0.73
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG23	20	0.68	0.17	0.73
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	20	0.67	0.24	0.76
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	20	0.67	0.24	0.76
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	20	0.67	0.24	0.76
(1,3662)	2:184:B:LEU:HB2	2:185:B:PRO:HA	20	0.67	0.24	0.76
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	20	0.4	0.08	0.41
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	20	0.4	0.08	0.41
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	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)
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	20	0.35	0.13	0.32
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	20	0.35	0.13	0.32
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	20	0.35	0.13	0.32
(1,2525)	2:291:B:LEU:HD21	2:292:B:HIS:H	20	0.35	0.13	0.32
(1,2525)	2:291:B:LEU:HD22	2:292:B:HIS:H	20	0.35	0.13	0.32
(1,2525)	2:291:B:LEU:HD23	2:292:B:HIS:H	20	0.35	0.13	0.32
(1,375)	2:187:B:LYS:HD2	2:187:B:LYS:HE3	20	0.21	0.04	0.23
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	20	0.21	0.04	0.23
(1,3806)	2:281:B:GLU:HB2	2:281:B:GLU:HG3	20	0.17	0.03	0.16
(1,3806)	2:317:B:GLU:HB2	2:317:B:GLU:HG3	20	0.17	0.03	0.16
(1,3806)	2:317:B:GLU:HB3	2:317:B:GLU:HG2	20	0.17	0.03	0.16
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	20	0.15	0.02	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	20	0.15	0.02	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	20	0.15	0.02	0.15
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	19	0.75	0.51	0.49
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	19	0.75	0.51	0.49
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	19	0.75	0.51	0.49
(1,3868)	2:277:B:THR:HG21	1:211:A:GLU:HB2	19	0.75	0.51	0.49
(1,3868)	2:277:B:THR:HG22	1:211:A:GLU:HB2	19	0.75	0.51	0.49
(1,3868)	2:277:B:THR:HG23	1:211:A:GLU:HB2	19	0.75	0.51	0.49
(1,3947)	2:258:B:TYR:HE1	2:184:B:LEU:HB2	19	0.61	0.42	0.43
(1,3947)	2:258:B:TYR:HE2	2:184:B:LEU:HB2	19	0.61	0.42	0.43
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	19	0.61	0.42	0.43
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	19	0.61	0.42	0.43
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	19	0.61	0.42	0.43
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	19	0.61	0.42	0.43
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	19	0.61	0.42	0.43
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	19	0.61	0.42	0.43
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD21	2:274:B:LEU:HD11	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD21	2:274:B:LEU:HD12	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD21	2:274:B:LEU:HD13	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD22	2:274:B:LEU:HD11	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD22	2:274:B:LEU:HD12	19	0.61	0.2	0.57

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3602)	1:206:A:LEU:HD22	2:274:B:LEU:HD13	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD23	2:274:B:LEU:HD11	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD23	2:274:B:LEU:HD12	19	0.61	0.2	0.57
(1,3602)	1:206:A:LEU:HD23	2:274:B:LEU:HD13	19	0.61	0.2	0.57
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	19	0.26	0.06	0.27
(1,916)	2:281:B:GLU:HB2	2:281:B:GLU:HG2	19	0.26	0.06	0.27
(1,200)	2:159:B:LYS:HD2	2:159:B:LYS:HG3	19	0.22	0.05	0.22
(1,200)	2:159:B:LYS:HB2	2:159:B:LYS:HG3	19	0.22	0.05	0.22
(1,200)	2:159:B:LYS:HD3	2:159:B:LYS:HG3	19	0.22	0.05	0.22
(1,930)	2:282:B:LYS:HD2	2:282:B:LYS:HG2	19	0.21	0.04	0.22
(1,930)	2:282:B:LYS:HD3	2:282:B:LYS:HG2	19	0.21	0.04	0.22
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	19	0.19	0.05	0.18
(1,3809)	2:282:B:LYS:HG2	2:282:B:LYS:HD2	19	0.18	0.03	0.18
(1,3809)	2:282:B:LYS:HG2	2:282:B:LYS:HD3	19	0.18	0.03	0.18
(1,3809)	2:187:B:LYS:HG3	2:187:B:LYS:HD2	19	0.18	0.03	0.18
(1,3809)	2:210:B:LYS:HG3	2:210:B:LYS:HD2	19	0.18	0.03	0.18
(1,3809)	2:187:B:LYS:HG3	2:187:B:LYS:HD3	19	0.18	0.03	0.18
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	18	0.97	0.1	0.95
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	18	0.97	0.1	0.95
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	18	0.97	0.1	0.95
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	18	0.73	0.13	0.76
(1,1760)	2:245:B:ILE:HD11	2:186:B:ALA:H	18	0.73	0.13	0.76
(1,1760)	2:245:B:ILE:HD12	2:186:B:ALA:H	18	0.73	0.13	0.76
(1,1760)	2:245:B:ILE:HD13	2:186:B:ALA:H	18	0.73	0.13	0.76
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	18	0.69	0.25	0.78
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	18	0.69	0.25	0.78
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	18	0.69	0.25	0.78
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG21	18	0.69	0.25	0.78
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG22	18	0.69	0.25	0.78
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG23	18	0.69	0.25	0.78
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB1	18	0.67	0.31	0.78
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB2	18	0.67	0.31	0.78
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB3	18	0.67	0.31	0.78
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB1	18	0.67	0.31	0.78
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB2	18	0.67	0.31	0.78
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB3	18	0.67	0.31	0.78
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	18	0.19	0.07	0.18
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	18	0.19	0.07	0.18
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	18	0.19	0.07	0.18
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD3	18	0.16	0.04	0.16
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD2	18	0.16	0.04	0.16
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD21	17	0.71	0.38	0.7

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD22	17	0.71	0.38	0.7
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD23	17	0.71	0.38	0.7
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD21	17	0.71	0.38	0.7
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD22	17	0.71	0.38	0.7
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD23	17	0.71	0.38	0.7
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD21	17	0.71	0.38	0.7
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD22	17	0.71	0.38	0.7
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD23	17	0.71	0.38	0.7
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD21	17	0.71	0.38	0.7
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD22	17	0.71	0.38	0.7
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD23	17	0.71	0.38	0.7
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD21	17	0.71	0.38	0.7
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD22	17	0.71	0.38	0.7
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD23	17	0.71	0.38	0.7
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD21	17	0.71	0.38	0.7
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD22	17	0.71	0.38	0.7
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD23	17	0.71	0.38	0.7
(1,1322)	2:236:B:LYS:HD2	1:224:A:GLN:HG2	17	0.44	0.12	0.46
(1,1322)	2:236:B:LYS:HD3	1:224:A:GLN:HG2	17	0.44	0.12	0.46
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	17	0.41	0.21	0.35
(1,3020)	1:209:A:PRO:HD2	1:208:A:ARG:HG3	17	0.41	0.21	0.35
(1,3020)	1:209:A:PRO:HD2	1:206:A:LEU:HG	17	0.41	0.21	0.35
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	17	0.27	0.08	0.24
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	17	0.27	0.08	0.24
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	17	0.27	0.08	0.24
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	17	0.2	0.1	0.17
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD21	16	1.1	0.28	1.14
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD22	16	1.1	0.28	1.14
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD23	16	1.1	0.28	1.14
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD21	16	1.1	0.28	1.14
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD22	16	1.1	0.28	1.14
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD23	16	1.1	0.28	1.14
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD21	16	1.1	0.28	1.14
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD22	16	1.1	0.28	1.14
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD23	16	1.1	0.28	1.14
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD21	16	1.1	0.28	1.14
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD22	16	1.1	0.28	1.14
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD23	16	1.1	0.28	1.14
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD21	16	1.1	0.28	1.14
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD22	16	1.1	0.28	1.14
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD23	16	1.1	0.28	1.14
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD21	16	1.1	0.28	1.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD22	16	1.1	0.28	1.14
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD23	16	1.1	0.28	1.14
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	16	0.63	0.22	0.66
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE1	16	0.51	0.19	0.55
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE2	16	0.51	0.19	0.55
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE3	16	0.51	0.19	0.55
(1,3789)	2:269:B:ARG:HA	2:273:B:MET:HE1	16	0.51	0.19	0.55
(1,3789)	2:269:B:ARG:HA	2:273:B:MET:HE2	16	0.51	0.19	0.55
(1,3789)	2:269:B:ARG:HA	2:273:B:MET:HE3	16	0.51	0.19	0.55
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD21	1:213:A:LEU:HD21	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD21	1:213:A:LEU:HD22	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD21	1:213:A:LEU:HD23	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD22	1:213:A:LEU:HD21	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD22	1:213:A:LEU:HD22	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD22	1:213:A:LEU:HD23	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD23	1:213:A:LEU:HD21	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD23	1:213:A:LEU:HD22	16	0.48	0.54	0.24
(1,1270)	2:287:B:LEU:HD23	1:213:A:LEU:HD23	16	0.48	0.54	0.24
(1,2255)	2:256:B:GLN:HG2	2:256:B:GLN:H	16	0.37	0.1	0.4
(1,2255)	2:253:B:PRO:HB3	2:256:B:GLN:H	16	0.37	0.1	0.4
(1,2449)	2:257:B:VAL:HG11	2:256:B:GLN:H	16	0.28	0.1	0.26
(1,2449)	2:257:B:VAL:HG12	2:256:B:GLN:H	16	0.28	0.1	0.26
(1,2449)	2:257:B:VAL:HG13	2:256:B:GLN:H	16	0.28	0.1	0.26
(1,2449)	2:284:B:LEU:HD11	2:285:B:ALA:H	16	0.28	0.1	0.26
(1,2449)	2:284:B:LEU:HD12	2:285:B:ALA:H	16	0.28	0.1	0.26
(1,2449)	2:284:B:LEU:HD13	2:285:B:ALA:H	16	0.28	0.1	0.26
(1,2449)	2:284:B:LEU:HD21	2:285:B:ALA:H	16	0.28	0.1	0.26
(1,2449)	2:284:B:LEU:HD22	2:285:B:ALA:H	16	0.28	0.1	0.26
(1,2449)	2:284:B:LEU:HD23	2:285:B:ALA:H	16	0.28	0.1	0.26
(1,3500)	1:230:A:GLU:HB3	1:230:A:GLU:HG2	16	0.2	0.03	0.2
(1,3500)	1:230:A:GLU:HB2	1:230:A:GLU:HG3	16	0.2	0.03	0.2
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	16	0.16	0.03	0.16
(1,3675)	2:187:B:LYS:HG2	2:187:B:LYS:HD2	16	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)
(1,3675)	2:210:B:LYS:HG2	2:210:B:LYS:HD3	16	0.14	0.03	0.14
(1,3675)	2:187:B:LYS:HG2	2:187:B:LYS:HD3	16	0.14	0.03	0.14
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	15	1.84	0.2	1.86
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	15	1.84	0.2	1.86
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	15	1.84	0.2	1.86
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	15	1.51	0.82	1.77
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	15	1.51	0.82	1.77
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	15	1.51	0.82	1.77
(1,433)	2:222:B:LYS:HE2	2:194:B:LEU:HD11	15	1.51	0.82	1.77
(1,433)	2:222:B:LYS:HE2	2:194:B:LEU:HD12	15	1.51	0.82	1.77
(1,433)	2:222:B:LYS:HE2	2:194:B:LEU:HD13	15	1.51	0.82	1.77
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	15	0.54	0.04	0.54
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	15	0.54	0.04	0.54
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	15	0.54	0.04	0.54
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	15	0.49	0.19	0.52
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	15	0.49	0.19	0.52
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	15	0.49	0.19	0.52
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	15	0.48	0.3	0.49
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	15	0.48	0.3	0.49
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	15	0.48	0.3	0.49
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD21	15	0.48	0.15	0.41
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD22	15	0.48	0.15	0.41
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD23	15	0.48	0.15	0.41
(1,3532)	1:228:A:PRO:HG2	1:231:A:LEU:HD21	15	0.48	0.15	0.41
(1,3532)	1:228:A:PRO:HG2	1:231:A:LEU:HD22	15	0.48	0.15	0.41
(1,3532)	1:228:A:PRO:HG2	1:231:A:LEU:HD23	15	0.48	0.15	0.41
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD21	15	0.48	0.15	0.41
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD22	15	0.48	0.15	0.41
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD23	15	0.48	0.15	0.41
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG2	15	0.31	0.2	0.28
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG2	15	0.31	0.2	0.28
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG2	15	0.31	0.2	0.28
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG3	15	0.31	0.2	0.28
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG3	15	0.31	0.2	0.28
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG3	15	0.31	0.2	0.28
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD21	15	0.3	0.1	0.28
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD22	15	0.3	0.1	0.28
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD23	15	0.3	0.1	0.28
(1,3760)	2:250:B:PRO:HA	2:246:B:LEU:HD21	15	0.3	0.1	0.28
(1,3760)	2:250:B:PRO:HA	2:246:B:LEU:HD22	15	0.3	0.1	0.28
(1,3760)	2:250:B:PRO:HA	2:246:B:LEU:HD23	15	0.3	0.1	0.28
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	14	1.79	0.53	2.01

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	14	1.79	0.53	2.01
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	14	1.79	0.53	2.01
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	14	1.79	0.53	2.01
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	14	1.79	0.53	2.01
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	14	1.79	0.53	2.01
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB1	14	0.45	0.18	0.45
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB2	14	0.45	0.18	0.45
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB3	14	0.45	0.18	0.45
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB1	14	0.45	0.18	0.45
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB2	14	0.45	0.18	0.45
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB3	14	0.45	0.18	0.45
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG21	14	0.4	0.58	0.16
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG22	14	0.4	0.58	0.16
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG23	14	0.4	0.58	0.16
(1,3777)	2:271:B:GLY:HA3	2:288:B:LEU:HD21	14	0.4	0.58	0.16
(1,3777)	2:271:B:GLY:HA3	2:288:B:LEU:HD22	14	0.4	0.58	0.16
(1,3777)	2:271:B:GLY:HA3	2:288:B:LEU:HD23	14	0.4	0.58	0.16
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB1	14	0.39	0.22	0.36
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB2	14	0.39	0.22	0.36
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB3	14	0.39	0.22	0.36
(1,3762)	2:256:B:GLN:HB2	2:252:B:ALA:HB1	14	0.39	0.22	0.36
(1,3762)	2:256:B:GLN:HB2	2:252:B:ALA:HB2	14	0.39	0.22	0.36
(1,3762)	2:256:B:GLN:HB2	2:252:B:ALA:HB3	14	0.39	0.22	0.36
(1,3762)	2:253:B:PRO:HG3	2:252:B:ALA:HB1	14	0.39	0.22	0.36
(1,3762)	2:253:B:PRO:HG3	2:252:B:ALA:HB2	14	0.39	0.22	0.36
(1,3762)	2:253:B:PRO:HG3	2:252:B:ALA:HB3	14	0.39	0.22	0.36
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE3	14	0.36	0.03	0.37
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE2	14	0.36	0.03	0.37
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD3	14	0.33	0.13	0.32
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD2	14	0.33	0.13	0.32
(1,1907)	2:204:B:ARG:HG3	2:204:B:ARG:H	14	0.27	0.08	0.27
(1,1907)	2:204:B:ARG:HG2	2:204:B:ARG:H	14	0.27	0.08	0.27
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB1	14	0.26	0.11	0.24
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB2	14	0.26	0.11	0.24
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB3	14	0.26	0.11	0.24
(1,3272)	1:211:A:GLU:HG2	1:215:A:ALA:HB1	14	0.26	0.11	0.24
(1,3272)	1:211:A:GLU:HG2	1:215:A:ALA:HB2	14	0.26	0.11	0.24
(1,3272)	1:211:A:GLU:HG2	1:215:A:ALA:HB3	14	0.26	0.11	0.24
(1,3012)	1:208:A:ARG:HB2	1:208:A:ARG:HD2	14	0.18	0.05	0.16
(1,3012)	1:207:A:ARG:HB3	1:207:A:ARG:HD3	14	0.18	0.05	0.16
(1,3012)	1:207:A:ARG:HB3	1:207:A:ARG:HD2	14	0.18	0.05	0.16
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD11	13	1.86	1.07	1.5

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD12	13	1.86	1.07	1.5
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD13	13	1.86	1.07	1.5
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG11	13	1.35	0.13	1.36
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG12	13	1.35	0.13	1.36
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG13	13	1.35	0.13	1.36
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG11	13	1.35	0.13	1.36
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG12	13	1.35	0.13	1.36
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG13	13	1.35	0.13	1.36
(1,1321)	2:236:B:LYS:HB2	1:224:A:GLN:HG2	13	1.23	0.31	1.26
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE2	13	0.89	0.53	0.73
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE2	13	0.89	0.53	0.73
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE2	13	0.89	0.53	0.73
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE3	13	0.89	0.53	0.73
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE3	13	0.89	0.53	0.73
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE3	13	0.89	0.53	0.73
(1,3681)	2:193:B:ILE:HD11	2:188:B:LYS:HE3	13	0.7	0.7	0.46
(1,3681)	2:193:B:ILE:HD12	2:188:B:LYS:HE3	13	0.7	0.7	0.46
(1,3681)	2:193:B:ILE:HD13	2:188:B:LYS:HE3	13	0.7	0.7	0.46
(1,3681)	2:305:B:LEU:HD11	2:188:B:LYS:HE3	13	0.7	0.7	0.46
(1,3681)	2:305:B:LEU:HD12	2:188:B:LYS:HE3	13	0.7	0.7	0.46
(1,3681)	2:305:B:LEU:HD13	2:188:B:LYS:HE3	13	0.7	0.7	0.46
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD11	13	0.65	0.91	0.15
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD12	13	0.65	0.91	0.15
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD13	13	0.65	0.91	0.15
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD11	13	0.65	0.91	0.15
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD12	13	0.65	0.91	0.15
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD13	13	0.65	0.91	0.15
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD11	13	0.54	0.56	0.26
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD12	13	0.54	0.56	0.26
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD13	13	0.54	0.56	0.26
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD11	13	0.54	0.56	0.26
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD12	13	0.54	0.56	0.26
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD13	13	0.54	0.56	0.26
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD11	13	0.54	0.56	0.26
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD12	13	0.54	0.56	0.26
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD13	13	0.54	0.56	0.26
(1,3898)	2:169:B:VAL:HG21	1:227:A:LEU:HD11	13	0.54	0.56	0.26
(1,3898)	2:169:B:VAL:HG21	1:227:A:LEU:HD12	13	0.54	0.56	0.26
(1,3898)	2:169:B:VAL:HG21	1:227:A:LEU:HD13	13	0.54	0.56	0.26
(1,3898)	2:169:B:VAL:HG22	1:227:A:LEU:HD11	13	0.54	0.56	0.26
(1,3898)	2:169:B:VAL:HG22	1:227:A:LEU:HD12	13	0.54	0.56	0.26
(1,3898)	2:169:B:VAL:HG22	1:227:A:LEU:HD13	13	0.54	0.56	0.26

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3898)	2:169:B:VAL:HG23	1:227:A:LEU:HD11	13	0.54	0.56	0.26
(1,3898)	2:169:B:VAL:HG23	1:227:A:LEU:HD12	13	0.54	0.56	0.26
(1,3898)	2:169:B:VAL:HG23	1:227:A:LEU:HD13	13	0.54	0.56	0.26
(1,3866)	2:210:B:LYS:HA	1:203:A:GLN:HG3	13	0.48	0.2	0.47
(1,3866)	2:210:B:LYS:HA	1:203:A:GLN:HG2	13	0.48	0.2	0.47
(1,3866)	2:213:B:ALA:HA	1:203:A:GLN:HG3	13	0.48	0.2	0.47
(1,2439)	2:279:B:LEU:HD21	2:284:B:LEU:H	13	0.4	0.21	0.35
(1,2439)	2:279:B:LEU:HD22	2:284:B:LEU:H	13	0.4	0.21	0.35
(1,2439)	2:279:B:LEU:HD23	2:284:B:LEU:H	13	0.4	0.21	0.35
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG21	13	0.4	0.06	0.4
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG22	13	0.4	0.06	0.4
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG23	13	0.4	0.06	0.4
(1,3949)	2:267:B:PHE:HD1	2:263:B:LEU:HD21	13	0.34	0.27	0.21
(1,3949)	2:267:B:PHE:HD1	2:263:B:LEU:HD22	13	0.34	0.27	0.21
(1,3949)	2:267:B:PHE:HD1	2:263:B:LEU:HD23	13	0.34	0.27	0.21
(1,3949)	2:267:B:PHE:HD2	2:263:B:LEU:HD21	13	0.34	0.27	0.21
(1,3949)	2:267:B:PHE:HD2	2:263:B:LEU:HD22	13	0.34	0.27	0.21
(1,3949)	2:267:B:PHE:HD2	2:263:B:LEU:HD23	13	0.34	0.27	0.21
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG11	13	0.34	0.27	0.21
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG12	13	0.34	0.27	0.21
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG13	13	0.34	0.27	0.21
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG11	13	0.34	0.27	0.21
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG12	13	0.34	0.27	0.21
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG13	13	0.34	0.27	0.21
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG11	13	0.18	0.05	0.16
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG12	13	0.18	0.05	0.16
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG13	13	0.18	0.05	0.16
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG11	13	0.18	0.05	0.16
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG12	13	0.18	0.05	0.16
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG13	13	0.18	0.05	0.16
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG11	13	0.18	0.05	0.16
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG12	13	0.18	0.05	0.16
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG13	13	0.18	0.05	0.16
(2,24)	1:220:A:ARG:HA	1:223:A:THR:H	13	0.16	0.05	0.15
(3,79)	2:286:B:LEU:O	2:290:B:TYR:H	13	0.13	0.03	0.12
(1,1690)	2:174:B:LEU:HD11	2:178:B:GLN:HE22	12	1.62	1.07	1.72
(1,1690)	2:174:B:LEU:HD12	2:178:B:GLN:HE22	12	1.62	1.07	1.72
(1,1690)	2:174:B:LEU:HD13	2:178:B:GLN:HE22	12	1.62	1.07	1.72
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD11	12	1.1	0.87	1.02
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD12	12	1.1	0.87	1.02
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD13	12	1.1	0.87	1.02
(1,3822)	2:156:B:VAL:HG11	2:287:B:LEU:HD21	12	1.03	1.02	0.42

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3822)	2:156:B:VAL:HG11	2:287:B:LEU:HD22	12	1.03	1.02	0.42
(1,3822)	2:156:B:VAL:HG11	2:287:B:LEU:HD23	12	1.03	1.02	0.42
(1,3822)	2:156:B:VAL:HG12	2:287:B:LEU:HD21	12	1.03	1.02	0.42
(1,3822)	2:156:B:VAL:HG12	2:287:B:LEU:HD22	12	1.03	1.02	0.42
(1,3822)	2:156:B:VAL:HG12	2:287:B:LEU:HD23	12	1.03	1.02	0.42
(1,3822)	2:156:B:VAL:HG13	2:287:B:LEU:HD21	12	1.03	1.02	0.42
(1,3822)	2:156:B:VAL:HG13	2:287:B:LEU:HD22	12	1.03	1.02	0.42
(1,3822)	2:156:B:VAL:HG13	2:287:B:LEU:HD23	12	1.03	1.02	0.42
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD21	12	1.03	1.02	0.42
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD22	12	1.03	1.02	0.42
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD23	12	1.03	1.02	0.42
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD21	12	1.03	1.02	0.42
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD22	12	1.03	1.02	0.42
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD23	12	1.03	1.02	0.42
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD21	12	1.03	1.02	0.42
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD22	12	1.03	1.02	0.42
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD23	12	1.03	1.02	0.42
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB1	12	0.84	0.05	0.84
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB2	12	0.84	0.05	0.84
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB3	12	0.84	0.05	0.84
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB1	12	0.84	0.05	0.84
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB2	12	0.84	0.05	0.84
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB3	12	0.84	0.05	0.84
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB1	12	0.84	0.05	0.84
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB2	12	0.84	0.05	0.84
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB3	12	0.84	0.05	0.84
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG21	12	0.7	0.39	0.84
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG22	12	0.7	0.39	0.84
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG23	12	0.7	0.39	0.84
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG21	12	0.7	0.39	0.84
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG22	12	0.7	0.39	0.84
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG23	12	0.7	0.39	0.84
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG21	12	0.7	0.39	0.84
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG22	12	0.7	0.39	0.84
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG23	12	0.7	0.39	0.84
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG21	12	0.7	0.39	0.84
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG22	12	0.7	0.39	0.84
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG23	12	0.7	0.39	0.84
(1,2601)	2:164:B:LEU:HD21	2:301:B:ASN:H	12	0.64	0.5	0.52
(1,2601)	2:164:B:LEU:HD22	2:301:B:ASN:H	12	0.64	0.5	0.52
(1,2601)	2:164:B:LEU:HD23	2:301:B:ASN:H	12	0.64	0.5	0.52
(1,2601)	2:305:B:LEU:HD21	2:301:B:ASN:H	12	0.64	0.5	0.52

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2601)	2:305:B:LEU:HD22	2:301:B:ASN:H	12	0.64	0.5	0.52
(1,2601)	2:305:B:LEU:HD23	2:301:B:ASN:H	12	0.64	0.5	0.52
(1,3937)	2:237:B:PHE:HD1	2:176:B:THR:HA	12	0.53	0.21	0.59
(1,3937)	2:237:B:PHE:HD2	2:176:B:THR:HA	12	0.53	0.21	0.59
(1,3937)	2:237:B:PHE:HD1	2:240:B:PRO:HD3	12	0.53	0.21	0.59
(1,3937)	2:237:B:PHE:HD2	2:240:B:PRO:HD3	12	0.53	0.21	0.59
(1,759)	2:253:B:PRO:HG2	2:256:B:GLN:HG3	12	0.38	0.2	0.38
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD11	12	0.36	0.2	0.32
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD12	12	0.36	0.2	0.32
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD13	12	0.36	0.2	0.32
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD11	12	0.36	0.2	0.32
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD12	12	0.36	0.2	0.32
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD13	12	0.36	0.2	0.32
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD11	12	0.36	0.2	0.32
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD12	12	0.36	0.2	0.32
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD13	12	0.36	0.2	0.32
(1,3670)	2:194:B:LEU:HB2	2:191:B:ASP:HA	12	0.33	0.2	0.24
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD11	11	1.61	0.46	1.68
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD12	11	1.61	0.46	1.68
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD13	11	1.61	0.46	1.68
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD11	11	0.74	0.19	0.77
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD12	11	0.74	0.19	0.77
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD13	11	0.74	0.19	0.77
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB1	11	0.67	0.28	0.59
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB2	11	0.67	0.28	0.59
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB3	11	0.67	0.28	0.59
(1,3000)	1:211:A:GLU:HB3	1:208:A:ARG:HD2	11	0.27	0.13	0.26
(1,3000)	1:211:A:GLU:HB3	1:207:A:ARG:HD2	11	0.27	0.13	0.26
(1,3842)	2:194:B:LEU:HB2	2:218:B:VAL:HG11	11	0.17	0.05	0.17
(1,3842)	2:194:B:LEU:HB2	2:218:B:VAL:HG12	11	0.17	0.05	0.17
(1,3842)	2:194:B:LEU:HB2	2:218:B:VAL:HG13	11	0.17	0.05	0.17
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG21	11	0.17	0.05	0.17
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG22	11	0.17	0.05	0.17
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG23	11	0.17	0.05	0.17
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG21	11	0.17	0.05	0.17
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG22	11	0.17	0.05	0.17
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG23	11	0.17	0.05	0.17
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG21	11	0.17	0.05	0.17
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG22	11	0.17	0.05	0.17
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG23	11	0.17	0.05	0.17
(1,3677)	2:187:B:LYS:HB3	2:187:B:LYS:HG2	11	0.14	0.02	0.13
(1,3677)	2:210:B:LYS:HB2	2:210:B:LYS:HG2	11	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3677)	2:210:B:LYS:HB3	2:210:B:LYS:HG2	11	0.14	0.02	0.13
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD11	10	1.32	1.21	0.65
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD12	10	1.32	1.21	0.65
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD13	10	1.32	1.21	0.65
(1,2602)	2:164:B:LEU:HD21	2:302:B:SER:H	10	1.2	0.38	1.14
(1,2602)	2:164:B:LEU:HD22	2:302:B:SER:H	10	1.2	0.38	1.14
(1,2602)	2:164:B:LEU:HD23	2:302:B:SER:H	10	1.2	0.38	1.14
(1,2068)	2:228:B:MET:HG3	2:232:B:GLN:HE22	10	1.03	0.54	0.94
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD11	10	0.83	0.44	0.74
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD12	10	0.83	0.44	0.74
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD13	10	0.83	0.44	0.74
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	10	0.82	0.35	1.0
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	10	0.82	0.35	1.0
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	10	0.82	0.35	1.0
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	10	0.82	0.35	1.0
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	10	0.82	0.35	1.0
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	10	0.82	0.35	1.0
(1,3952)	2:182:B:PHE:HZ	2:184:B:LEU:HB2	10	0.82	0.35	1.0
(1,3952)	2:262:B:HIS:HE1	2:184:B:LEU:HB2	10	0.82	0.35	1.0
(1,3011)	1:211:A:GLU:HG3	1:207:A:ARG:HG3	10	0.68	0.35	0.65
(1,3011)	1:205:A:GLN:HG2	1:207:A:ARG:HG2	10	0.68	0.35	0.65
(1,3011)	1:205:A:GLN:HG3	1:208:A:ARG:HG2	10	0.68	0.35	0.65
(1,3011)	1:205:A:GLN:HG2	1:208:A:ARG:HG2	10	0.68	0.35	0.65
(1,3011)	1:205:A:GLN:HG3	1:207:A:ARG:HG2	10	0.68	0.35	0.65
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG11	10	0.65	0.31	0.64
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG12	10	0.65	0.31	0.64
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG13	10	0.65	0.31	0.64
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG11	10	0.65	0.31	0.64
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG12	10	0.65	0.31	0.64
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG13	10	0.65	0.31	0.64
(1,213)	2:159:B:LYS:HG3	2:159:B:LYS:HE3	10	0.64	0.17	0.7
(1,213)	2:159:B:LYS:HG3	2:159:B:LYS:HE2	10	0.64	0.17	0.7
(1,3841)	2:267:B:PHE:HZ	2:298:B:LEU:HD21	10	0.49	0.2	0.52
(1,3841)	2:267:B:PHE:HZ	2:298:B:LEU:HD22	10	0.49	0.2	0.52
(1,3841)	2:267:B:PHE:HZ	2:298:B:LEU:HD23	10	0.49	0.2	0.52
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD21	10	0.49	0.2	0.52
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD22	10	0.49	0.2	0.52
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD23	10	0.49	0.2	0.52
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD11	10	0.44	0.59	0.13
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD12	10	0.44	0.59	0.13
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD13	10	0.44	0.59	0.13
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD11	10	0.44	0.59	0.13

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD12	10	0.44	0.59	0.13
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD13	10	0.44	0.59	0.13
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD11	10	0.44	0.59	0.13
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD12	10	0.44	0.59	0.13
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD13	10	0.44	0.59	0.13
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD11	10	0.42	0.3	0.24
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD12	10	0.42	0.3	0.24
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD13	10	0.42	0.3	0.24
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD11	10	0.42	0.3	0.24
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD12	10	0.42	0.3	0.24
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD13	10	0.42	0.3	0.24
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD11	10	0.42	0.3	0.24
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD12	10	0.42	0.3	0.24
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD13	10	0.42	0.3	0.24
(1,1140)	2:317:B:GLU:HA	2:320:B:ARG:HD2	10	0.42	0.14	0.46
(1,1140)	2:317:B:GLU:HA	2:320:B:ARG:HD3	10	0.42	0.14	0.46
(1,215)	2:292:B:HIS:HE1	2:159:B:LYS:HE2	10	0.41	0.14	0.4
(1,215)	2:292:B:HIS:HE1	2:159:B:LYS:HE3	10	0.41	0.14	0.4
(1,623)	2:236:B:LYS:HB3	2:236:B:LYS:HE3	10	0.32	0.15	0.28
(1,623)	2:236:B:LYS:HB3	2:236:B:LYS:HE2	10	0.32	0.15	0.28
(1,1554)	2:155:B:GLU:HG2	2:156:B:VAL:H	10	0.3	0.1	0.29
(1,1554)	2:155:B:GLU:HG3	2:156:B:VAL:H	10	0.3	0.1	0.29
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD11	10	0.29	0.11	0.28
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD12	10	0.29	0.11	0.28
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD13	10	0.29	0.11	0.28
(1,2762)	1:203:A:GLN:HB2	1:203:A:GLN:H	10	0.22	0.11	0.2
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD11	10	0.14	0.03	0.14
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD12	10	0.14	0.03	0.14
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD13	10	0.14	0.03	0.14
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD11	10	0.14	0.03	0.14
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD12	10	0.14	0.03	0.14
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD13	10	0.14	0.03	0.14
(1,3553)	1:234:A:THR:HB	1:234:A:THR:HA	10	0.12	0.01	0.12
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD11	9	2.46	0.15	2.53
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD12	9	2.46	0.15	2.53
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD13	9	2.46	0.15	2.53
(1,3958)	2:267:B:PHE:HE1	2:193:B:ILE:HD11	9	1.52	0.19	1.49
(1,3958)	2:267:B:PHE:HE1	2:193:B:ILE:HD12	9	1.52	0.19	1.49
(1,3958)	2:267:B:PHE:HE1	2:193:B:ILE:HD13	9	1.52	0.19	1.49
(1,3958)	2:267:B:PHE:HE2	2:193:B:ILE:HD11	9	1.52	0.19	1.49
(1,3958)	2:267:B:PHE:HE2	2:193:B:ILE:HD12	9	1.52	0.19	1.49
(1,3958)	2:267:B:PHE:HE2	2:193:B:ILE:HD13	9	1.52	0.19	1.49

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	9	1.52	0.19	1.49
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	9	1.52	0.19	1.49
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	9	1.52	0.19	1.49
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	9	1.52	0.19	1.49
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	9	1.52	0.19	1.49
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	9	1.52	0.19	1.49
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD21	9	1.3	0.47	1.44
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD22	9	1.3	0.47	1.44
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD23	9	1.3	0.47	1.44
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD11	9	1.21	0.34	1.23
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD12	9	1.21	0.34	1.23
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD13	9	1.21	0.34	1.23
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD11	9	1.21	0.34	1.23
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD12	9	1.21	0.34	1.23
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD13	9	1.21	0.34	1.23
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD11	9	1.21	0.34	1.23
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD12	9	1.21	0.34	1.23
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD13	9	1.21	0.34	1.23
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD11	9	1.15	0.2	1.13
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD12	9	1.15	0.2	1.13
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD13	9	1.15	0.2	1.13
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD11	9	1.15	0.2	1.13
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD12	9	1.15	0.2	1.13
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD13	9	1.15	0.2	1.13
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD11	9	1.15	0.2	1.13
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD12	9	1.15	0.2	1.13
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD13	9	1.15	0.2	1.13
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD21	9	1.13	0.54	1.24
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD22	9	1.13	0.54	1.24
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD23	9	1.13	0.54	1.24
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD21	9	1.0	0.3	1.0
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD22	9	1.0	0.3	1.0
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD23	9	1.0	0.3	1.0
(1,812)	2:228:B:MET:HB2	2:266:B:LEU:HD21	9	1.0	0.3	1.0
(1,812)	2:228:B:MET:HB2	2:266:B:LEU:HD22	9	1.0	0.3	1.0
(1,812)	2:228:B:MET:HB2	2:266:B:LEU:HD23	9	1.0	0.3	1.0
(1,3913)	2:212:B:TYR:HD1	2:209:B:ASN:HB2	9	0.85	0.46	0.89
(1,3913)	2:212:B:TYR:HD2	2:209:B:ASN:HB2	9	0.85	0.46	0.89
(1,3913)	2:172:B:TRP:HH2	2:177:B:ARG:HD2	9	0.85	0.46	0.89
(1,3913)	2:172:B:TRP:HH2	2:173:B:ASP:HB3	9	0.85	0.46	0.89
(1,3653)	2:176:B:THR:HA	2:179:B:LYS:HD3	9	0.79	0.36	0.64
(1,3653)	2:176:B:THR:HB	2:177:B:ARG:HG3	9	0.79	0.36	0.64

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD11	9	0.72	0.12	0.73
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD12	9	0.72	0.12	0.73
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD13	9	0.72	0.12	0.73
(1,1716)	2:174:B:LEU:HD11	2:180:B:GLN:HE22	9	0.64	0.33	0.84
(1,1716)	2:174:B:LEU:HD12	2:180:B:GLN:HE22	9	0.64	0.33	0.84
(1,1716)	2:174:B:LEU:HD13	2:180:B:GLN:HE22	9	0.64	0.33	0.84
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB1	9	0.58	0.14	0.62
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB2	9	0.58	0.14	0.62
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB3	9	0.58	0.14	0.62
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB1	9	0.58	0.14	0.62
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB2	9	0.58	0.14	0.62
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB3	9	0.58	0.14	0.62
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB1	9	0.58	0.14	0.62
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB2	9	0.58	0.14	0.62
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB3	9	0.58	0.14	0.62
(1,3891)	2:270:B:ILE:HD11	1:217:A:ALA:HB1	9	0.58	0.14	0.62
(1,3891)	2:270:B:ILE:HD11	1:217:A:ALA:HB2	9	0.58	0.14	0.62
(1,3891)	2:270:B:ILE:HD11	1:217:A:ALA:HB3	9	0.58	0.14	0.62
(1,3891)	2:270:B:ILE:HD12	1:217:A:ALA:HB1	9	0.58	0.14	0.62
(1,3891)	2:270:B:ILE:HD12	1:217:A:ALA:HB2	9	0.58	0.14	0.62
(1,3891)	2:270:B:ILE:HD12	1:217:A:ALA:HB3	9	0.58	0.14	0.62
(1,3891)	2:270:B:ILE:HD13	1:217:A:ALA:HB1	9	0.58	0.14	0.62
(1,3891)	2:270:B:ILE:HD13	1:217:A:ALA:HB2	9	0.58	0.14	0.62
(1,3891)	2:270:B:ILE:HD13	1:217:A:ALA:HB3	9	0.58	0.14	0.62
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	9	0.55	0.13	0.58
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	9	0.55	0.13	0.58
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	9	0.55	0.13	0.58
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	9	0.55	0.13	0.58
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	9	0.55	0.13	0.58
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	9	0.55	0.13	0.58
(1,3909)	2:168:B:LEU:HA	1:231:A:LEU:HD11	9	0.5	0.26	0.55
(1,3909)	2:168:B:LEU:HA	1:231:A:LEU:HD12	9	0.5	0.26	0.55
(1,3909)	2:168:B:LEU:HA	1:231:A:LEU:HD13	9	0.5	0.26	0.55
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD11	9	0.5	0.26	0.55
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD12	9	0.5	0.26	0.55
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD13	9	0.5	0.26	0.55
(1,3909)	2:265:B:ARG:HA	1:231:A:LEU:HD11	9	0.5	0.26	0.55
(1,3909)	2:265:B:ARG:HA	1:231:A:LEU:HD12	9	0.5	0.26	0.55
(1,3909)	2:265:B:ARG:HA	1:231:A:LEU:HD13	9	0.5	0.26	0.55
(1,1313)	2:235:B:TYR:HE1	1:224:A:GLN:HG3	9	0.5	0.24	0.52
(1,1313)	2:235:B:TYR:HE2	1:224:A:GLN:HG3	9	0.5	0.24	0.52
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	9	0.46	0.13	0.42

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	9	0.46	0.13	0.42
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	9	0.46	0.13	0.42
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	9	0.46	0.13	0.42
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	9	0.46	0.13	0.42
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	9	0.46	0.13	0.42
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD11	9	0.44	0.01	0.44
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD12	9	0.44	0.01	0.44
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD13	9	0.44	0.01	0.44
(1,2319)	2:158:B:VAL:HG21	2:270:B:ILE:H	9	0.35	0.13	0.37
(1,2319)	2:158:B:VAL:HG22	2:270:B:ILE:H	9	0.35	0.13	0.37
(1,2319)	2:158:B:VAL:HG23	2:270:B:ILE:H	9	0.35	0.13	0.37
(1,2319)	2:160:B:ILE:HD11	2:270:B:ILE:H	9	0.35	0.13	0.37
(1,2319)	2:160:B:ILE:HD12	2:270:B:ILE:H	9	0.35	0.13	0.37
(1,2319)	2:160:B:ILE:HD13	2:270:B:ILE:H	9	0.35	0.13	0.37
(1,3877)	2:277:B:THR:HG21	1:213:A:LEU:HG	9	0.24	0.1	0.21
(1,3877)	2:277:B:THR:HG22	1:213:A:LEU:HG	9	0.24	0.1	0.21
(1,3877)	2:277:B:THR:HG23	1:213:A:LEU:HG	9	0.24	0.1	0.21
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD21	9	0.15	0.02	0.14
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD22	9	0.15	0.02	0.14
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD23	9	0.15	0.02	0.14
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD21	9	0.15	0.02	0.14
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD22	9	0.15	0.02	0.14
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD23	9	0.15	0.02	0.14
(1,3499)	1:230:A:GLU:HA	1:230:A:GLU:HG3	9	0.13	0.02	0.12
(1,3499)	1:230:A:GLU:HA	1:230:A:GLU:HG2	9	0.13	0.02	0.12
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD21	8	0.89	0.74	0.65
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD22	8	0.89	0.74	0.65
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD23	8	0.89	0.74	0.65
(1,378)	2:187:B:LYS:HG2	2:187:B:LYS:HE3	8	0.85	0.38	1.06
(1,2744)	1:234:A:THR:HB	1:224:A:GLN:HE21	8	0.81	0.4	0.8
(1,3894)	2:236:B:LYS:HG3	1:224:A:GLN:HG2	8	0.78	0.43	0.89
(1,3894)	2:236:B:LYS:HG2	1:224:A:GLN:HG2	8	0.78	0.43	0.89
(1,1729)	2:313:B:VAL:HG11	2:180:B:GLN:H	8	0.66	0.25	0.62
(1,1729)	2:313:B:VAL:HG12	2:180:B:GLN:H	8	0.66	0.25	0.62
(1,1729)	2:313:B:VAL:HG13	2:180:B:GLN:H	8	0.66	0.25	0.62
(1,3665)	2:184:B:LEU:HB2	2:185:B:PRO:HB2	8	0.59	0.13	0.6
(1,3665)	2:174:B:LEU:HB2	2:178:B:GLN:HG3	8	0.59	0.13	0.6
(1,3665)	2:184:B:LEU:HB2	2:185:B:PRO:HB3	8	0.59	0.13	0.6
(1,3960)	2:267:B:PHE:HE1	2:270:B:ILE:HG21	8	0.56	0.35	0.51
(1,3960)	2:267:B:PHE:HE1	2:270:B:ILE:HG22	8	0.56	0.35	0.51
(1,3960)	2:267:B:PHE:HE1	2:270:B:ILE:HG23	8	0.56	0.35	0.51
(1,3960)	2:267:B:PHE:HE2	2:270:B:ILE:HG21	8	0.56	0.35	0.51

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3960)	2:267:B:PHE:HE2	2:270:B:ILE:HG22	8	0.56	0.35	0.51
(1,3960)	2:267:B:PHE:HE2	2:270:B:ILE:HG23	8	0.56	0.35	0.51
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD11	8	0.56	0.35	0.51
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD12	8	0.56	0.35	0.51
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD13	8	0.56	0.35	0.51
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD11	8	0.56	0.35	0.51
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD12	8	0.56	0.35	0.51
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD13	8	0.56	0.35	0.51
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB1	8	0.54	0.22	0.51
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB2	8	0.54	0.22	0.51
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB3	8	0.54	0.22	0.51
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB1	8	0.54	0.22	0.51
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB2	8	0.54	0.22	0.51
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB3	8	0.54	0.22	0.51
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB1	8	0.54	0.22	0.51
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB2	8	0.54	0.22	0.51
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB3	8	0.54	0.22	0.51
(1,3818)	2:284:B:LEU:HD11	2:285:B:ALA:HB1	8	0.54	0.22	0.51
(1,3818)	2:284:B:LEU:HD11	2:285:B:ALA:HB2	8	0.54	0.22	0.51
(1,3818)	2:284:B:LEU:HD11	2:285:B:ALA:HB3	8	0.54	0.22	0.51
(1,3818)	2:284:B:LEU:HD12	2:285:B:ALA:HB1	8	0.54	0.22	0.51
(1,3818)	2:284:B:LEU:HD12	2:285:B:ALA:HB2	8	0.54	0.22	0.51
(1,3818)	2:284:B:LEU:HD12	2:285:B:ALA:HB3	8	0.54	0.22	0.51
(1,3818)	2:284:B:LEU:HD13	2:285:B:ALA:HB1	8	0.54	0.22	0.51
(1,3818)	2:284:B:LEU:HD13	2:285:B:ALA:HB2	8	0.54	0.22	0.51
(1,3818)	2:284:B:LEU:HD13	2:285:B:ALA:HB3	8	0.54	0.22	0.51
(1,2044)	2:266:B:LEU:HD21	2:228:B:MET:H	8	0.48	0.47	0.32
(1,2044)	2:266:B:LEU:HD22	2:228:B:MET:H	8	0.48	0.47	0.32
(1,2044)	2:266:B:LEU:HD23	2:228:B:MET:H	8	0.48	0.47	0.32
(1,2044)	2:233:B:LEU:HD11	2:228:B:MET:H	8	0.48	0.47	0.32
(1,2044)	2:233:B:LEU:HD12	2:228:B:MET:H	8	0.48	0.47	0.32
(1,2044)	2:233:B:LEU:HD13	2:228:B:MET:H	8	0.48	0.47	0.32
(1,537)	2:294:B:PHE:HE1	2:221:B:ILE:HG12	8	0.46	0.16	0.48
(1,537)	2:294:B:PHE:HE2	2:221:B:ILE:HG12	8	0.46	0.16	0.48
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG11	8	0.42	0.2	0.4
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG12	8	0.42	0.2	0.4
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG13	8	0.42	0.2	0.4
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG11	8	0.42	0.2	0.4
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG12	8	0.42	0.2	0.4
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG13	8	0.42	0.2	0.4
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG21	8	0.42	0.2	0.4
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG22	8	0.42	0.2	0.4

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG23	8	0.42	0.2	0.4
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG21	8	0.42	0.2	0.4
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG22	8	0.42	0.2	0.4
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG23	8	0.42	0.2	0.4
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG11	8	0.4	0.24	0.36
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG12	8	0.4	0.24	0.36
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG13	8	0.4	0.24	0.36
(1,3634)	2:292:B:HIS:HD2	2:158:B:VAL:HG11	8	0.4	0.24	0.36
(1,3634)	2:292:B:HIS:HD2	2:158:B:VAL:HG12	8	0.4	0.24	0.36
(1,3634)	2:292:B:HIS:HD2	2:158:B:VAL:HG13	8	0.4	0.24	0.36
(1,1170)	2:320:B:ARG:HD2	2:323:B:VAL:HG21	8	0.39	0.3	0.24
(1,1170)	2:320:B:ARG:HD2	2:323:B:VAL:HG22	8	0.39	0.3	0.24
(1,1170)	2:320:B:ARG:HD2	2:323:B:VAL:HG23	8	0.39	0.3	0.24
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG21	8	0.39	0.3	0.24
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG22	8	0.39	0.3	0.24
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG23	8	0.39	0.3	0.24
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD11	8	0.39	0.24	0.34
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD12	8	0.39	0.24	0.34
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD13	8	0.39	0.24	0.34
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD11	8	0.39	0.24	0.34
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD12	8	0.39	0.24	0.34
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD13	8	0.39	0.24	0.34
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD11	8	0.39	0.24	0.34
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD12	8	0.39	0.24	0.34
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD13	8	0.39	0.24	0.34
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD21	8	0.38	0.1	0.4
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD22	8	0.38	0.1	0.4
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD23	8	0.38	0.1	0.4
(1,3976)	2:267:B:PHE:HZ	2:221:B:ILE:HG21	8	0.38	0.1	0.4
(1,3976)	2:267:B:PHE:HZ	2:221:B:ILE:HG22	8	0.38	0.1	0.4
(1,3976)	2:267:B:PHE:HZ	2:221:B:ILE:HG23	8	0.38	0.1	0.4
(1,3976)	2:294:B:PHE:HZ	2:194:B:LEU:HD21	8	0.38	0.1	0.4
(1,3976)	2:294:B:PHE:HZ	2:194:B:LEU:HD22	8	0.38	0.1	0.4
(1,3976)	2:294:B:PHE:HZ	2:194:B:LEU:HD23	8	0.38	0.1	0.4
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD11	8	0.38	0.1	0.4
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD12	8	0.38	0.1	0.4
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD13	8	0.38	0.1	0.4
(1,3703)	2:204:B:ARG:HG2	2:201:B:ARG:HA	8	0.36	0.19	0.39
(1,3703)	2:204:B:ARG:HG3	2:201:B:ARG:HA	8	0.36	0.19	0.39
(1,3743)	2:296:B:LYS:HA	2:296:B:LYS:HD3	8	0.36	0.04	0.34
(1,3743)	2:296:B:LYS:HA	2:296:B:LYS:HD2	8	0.36	0.04	0.34
(1,3743)	2:236:B:LYS:HA	2:236:B:LYS:HD3	8	0.36	0.04	0.34

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG21	8	0.3	0.06	0.3
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG22	8	0.3	0.06	0.3
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG23	8	0.3	0.06	0.3
(1,3649)	2:238:B:GLU:HB2	2:175:B:ILE:HG21	8	0.3	0.06	0.3
(1,3649)	2:238:B:GLU:HB2	2:175:B:ILE:HG22	8	0.3	0.06	0.3
(1,3649)	2:238:B:GLU:HB2	2:175:B:ILE:HG23	8	0.3	0.06	0.3
(1,2738)	2:320:B:ARG:HG2	2:323:B:VAL:H	8	0.28	0.16	0.2
(1,2738)	2:321:B:LYS:HB3	2:323:B:VAL:H	8	0.28	0.16	0.2
(1,3719)	2:221:B:ILE:HD11	2:218:B:VAL:HA	8	0.25	0.08	0.24
(1,3719)	2:221:B:ILE:HD12	2:218:B:VAL:HA	8	0.25	0.08	0.24
(1,3719)	2:221:B:ILE:HD13	2:218:B:VAL:HA	8	0.25	0.08	0.24
(1,3719)	2:190:B:VAL:HG11	2:218:B:VAL:HA	8	0.25	0.08	0.24
(1,3719)	2:190:B:VAL:HG12	2:218:B:VAL:HA	8	0.25	0.08	0.24
(1,3719)	2:190:B:VAL:HG13	2:218:B:VAL:HA	8	0.25	0.08	0.24
(1,2481)	2:288:B:LEU:HG	2:288:B:LEU:H	8	0.21	0.07	0.24
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB1	8	0.19	0.06	0.22
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB2	8	0.19	0.06	0.22
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB3	8	0.19	0.06	0.22
(1,3915)	2:267:B:PHE:HD1	2:266:B:LEU:HG	8	0.19	0.06	0.22
(1,3915)	2:267:B:PHE:HD2	2:266:B:LEU:HG	8	0.19	0.06	0.22
(1,2627)	2:305:B:LEU:HG	2:305:B:LEU:H	8	0.15	0.03	0.15
(1,2627)	2:303:B:ALA:HB1	2:305:B:LEU:H	8	0.15	0.03	0.15
(1,2627)	2:303:B:ALA:HB2	2:305:B:LEU:H	8	0.15	0.03	0.15
(1,2627)	2:303:B:ALA:HB3	2:305:B:LEU:H	8	0.15	0.03	0.15
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD21	8	0.14	0.03	0.14
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD22	8	0.14	0.03	0.14
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD23	8	0.14	0.03	0.14
(1,177)	2:155:B:GLU:HB2	2:155:B:GLU:HG3	8	0.12	0.01	0.12
(1,177)	2:155:B:GLU:HB3	2:155:B:GLU:HG2	8	0.12	0.01	0.12
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD11	8	0.11	0.01	0.11
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD12	8	0.11	0.01	0.11
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD13	8	0.11	0.01	0.11
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG11	7	1.02	1.15	0.47
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG12	7	1.02	1.15	0.47
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG13	7	1.02	1.15	0.47
(1,165)	2:256:B:GLN:HG2	2:257:B:VAL:HG11	7	1.02	1.15	0.47
(1,165)	2:256:B:GLN:HG2	2:257:B:VAL:HG12	7	1.02	1.15	0.47
(1,165)	2:256:B:GLN:HG2	2:257:B:VAL:HG13	7	1.02	1.15	0.47
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD21	7	0.94	0.47	0.81
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD22	7	0.94	0.47	0.81
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD23	7	0.94	0.47	0.81
(1,240)	2:302:B:SER:HB2	2:164:B:LEU:HD21	7	0.94	0.47	0.81

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,240)	2:302:B:SER:HB2	2:164:B:LEU:HD22	7	0.94	0.47	0.81
(1,240)	2:302:B:SER:HB2	2:164:B:LEU:HD23	7	0.94	0.47	0.81
(1,3895)	2:236:B:LYS:HE2	1:224:A:GLN:HB2	7	0.81	0.29	0.95
(1,3895)	2:236:B:LYS:HE3	1:224:A:GLN:HB2	7	0.81	0.29	0.95
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD21	7	0.8	0.4	0.7
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD22	7	0.8	0.4	0.7
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD23	7	0.8	0.4	0.7
(1,2069)	2:269:B:ARG:HB3	2:232:B:GLN:HE22	7	0.75	0.42	0.74
(1,2069)	2:269:B:ARG:HB2	2:232:B:GLN:HE22	7	0.75	0.42	0.74
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG21	7	0.74	0.37	0.67
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG22	7	0.74	0.37	0.67
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG23	7	0.74	0.37	0.67
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG21	7	0.74	0.37	0.67
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG22	7	0.74	0.37	0.67
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG23	7	0.74	0.37	0.67
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG21	7	0.74	0.37	0.67
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG22	7	0.74	0.37	0.67
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG23	7	0.74	0.37	0.67
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD11	7	0.73	0.01	0.73
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD12	7	0.73	0.01	0.73
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD13	7	0.73	0.01	0.73
(1,3904)	2:286:B:LEU:HD11	1:204:A:PRO:HG3	7	0.65	0.17	0.68
(1,3904)	2:286:B:LEU:HD12	1:204:A:PRO:HG3	7	0.65	0.17	0.68
(1,3904)	2:286:B:LEU:HD13	1:204:A:PRO:HG3	7	0.65	0.17	0.68
(1,3904)	2:268:B:VAL:HG21	1:228:A:PRO:HG3	7	0.65	0.17	0.68
(1,3904)	2:268:B:VAL:HG22	1:228:A:PRO:HG3	7	0.65	0.17	0.68
(1,3904)	2:268:B:VAL:HG23	1:228:A:PRO:HG3	7	0.65	0.17	0.68
(1,314)	2:179:B:LYS:HG3	2:179:B:LYS:HD2	7	0.51	0.01	0.52
(1,1548)	2:155:B:GLU:HG2	2:155:B:GLU:H	7	0.51	0.15	0.56
(1,1548)	2:155:B:GLU:HG3	2:155:B:GLU:H	7	0.51	0.15	0.56
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD21	7	0.49	0.38	0.26
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD22	7	0.49	0.38	0.26
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD23	7	0.49	0.38	0.26
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD11	7	0.47	0.17	0.59
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD12	7	0.47	0.17	0.59
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD13	7	0.47	0.17	0.59
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD11	7	0.47	0.17	0.59
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD12	7	0.47	0.17	0.59
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD13	7	0.47	0.17	0.59
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD11	7	0.47	0.17	0.59
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD12	7	0.47	0.17	0.59
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD13	7	0.47	0.17	0.59

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3657)	2:184:B:LEU:HB2	2:184:B:LEU:HD11	7	0.47	0.17	0.59
(1,3657)	2:184:B:LEU:HB2	2:184:B:LEU:HD12	7	0.47	0.17	0.59
(1,3657)	2:184:B:LEU:HB2	2:184:B:LEU:HD13	7	0.47	0.17	0.59
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD21	7	0.45	0.02	0.44
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD22	7	0.45	0.02	0.44
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD23	7	0.45	0.02	0.44
(1,325)	2:319:B:HIS:HE1	2:179:B:LYS:HE2	7	0.4	0.19	0.51
(1,325)	2:319:B:HIS:HE1	2:179:B:LYS:HE3	7	0.4	0.19	0.51
(1,3106)	1:205:A:GLN:HA	1:205:A:GLN:HG3	7	0.37	0.05	0.38
(1,3106)	1:205:A:GLN:HA	1:205:A:GLN:HG2	7	0.37	0.05	0.38
(1,212)	2:159:B:LYS:HA	2:159:B:LYS:HE2	7	0.35	0.04	0.35
(1,212)	2:159:B:LYS:HA	2:159:B:LYS:HE3	7	0.35	0.04	0.35
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD11	7	0.34	0.29	0.18
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD12	7	0.34	0.29	0.18
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD13	7	0.34	0.29	0.18
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD11	7	0.34	0.29	0.18
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD12	7	0.34	0.29	0.18
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD13	7	0.34	0.29	0.18
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD11	7	0.34	0.29	0.18
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD12	7	0.34	0.29	0.18
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD13	7	0.34	0.29	0.18
(1,1581)	2:159:B:LYS:HB3	2:160:B:ILE:H	7	0.34	0.18	0.31
(1,1581)	2:159:B:LYS:HB2	2:160:B:ILE:H	7	0.34	0.18	0.31
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD11	7	0.33	0.14	0.36
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD12	7	0.33	0.14	0.36
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD13	7	0.33	0.14	0.36
(1,3969)	2:319:B:HIS:HE1	2:179:B:LYS:HD2	7	0.33	0.14	0.36
(1,3974)	2:294:B:PHE:HZ	2:263:B:LEU:HD11	7	0.29	0.12	0.32
(1,3974)	2:294:B:PHE:HZ	2:263:B:LEU:HD12	7	0.29	0.12	0.32
(1,3974)	2:294:B:PHE:HZ	2:263:B:LEU:HD13	7	0.29	0.12	0.32
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD11	7	0.29	0.12	0.32
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD12	7	0.29	0.12	0.32
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD13	7	0.29	0.12	0.32
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD11	7	0.28	0.15	0.19
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD12	7	0.28	0.15	0.19
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD13	7	0.28	0.15	0.19
(1,3754)	2:252:B:ALA:HB1	2:245:B:ILE:HD11	7	0.28	0.15	0.19
(1,3754)	2:252:B:ALA:HB1	2:245:B:ILE:HD12	7	0.28	0.15	0.19
(1,3754)	2:252:B:ALA:HB1	2:245:B:ILE:HD13	7	0.28	0.15	0.19
(1,3754)	2:252:B:ALA:HB2	2:245:B:ILE:HD11	7	0.28	0.15	0.19
(1,3754)	2:252:B:ALA:HB2	2:245:B:ILE:HD12	7	0.28	0.15	0.19
(1,3754)	2:252:B:ALA:HB2	2:245:B:ILE:HD13	7	0.28	0.15	0.19

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3754)	2:252:B:ALA:HB3	2:245:B:ILE:HD11	7	0.28	0.15	0.19
(1,3754)	2:252:B:ALA:HB3	2:245:B:ILE:HD12	7	0.28	0.15	0.19
(1,3754)	2:252:B:ALA:HB3	2:245:B:ILE:HD13	7	0.28	0.15	0.19
(1,3098)	1:205:A:GLN:HG3	1:205:A:GLN:HA	7	0.27	0.05	0.28
(1,3098)	1:205:A:GLN:HG2	1:205:A:GLN:HA	7	0.27	0.05	0.28
(1,2092)	2:233:B:LEU:HB2	2:234:B:LEU:H	7	0.26	0.07	0.27
(1,2092)	2:233:B:LEU:HB3	2:234:B:LEU:H	7	0.26	0.07	0.27
(1,3090)	1:204:A:PRO:HB2	1:204:A:PRO:HD2	7	0.25	0.01	0.26
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB1	7	0.25	0.09	0.2
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB2	7	0.25	0.09	0.2
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB3	7	0.25	0.09	0.2
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB1	7	0.25	0.09	0.2
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB2	7	0.25	0.09	0.2
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB3	7	0.25	0.09	0.2
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB1	7	0.25	0.09	0.2
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB2	7	0.25	0.09	0.2
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB3	7	0.25	0.09	0.2
(1,3747)	2:246:B:LEU:HD21	2:243:B:ALA:HB1	7	0.25	0.09	0.2
(1,3747)	2:246:B:LEU:HD21	2:243:B:ALA:HB2	7	0.25	0.09	0.2
(1,3747)	2:246:B:LEU:HD21	2:243:B:ALA:HB3	7	0.25	0.09	0.2
(1,3747)	2:246:B:LEU:HD22	2:243:B:ALA:HB1	7	0.25	0.09	0.2
(1,3747)	2:246:B:LEU:HD22	2:243:B:ALA:HB2	7	0.25	0.09	0.2
(1,3747)	2:246:B:LEU:HD22	2:243:B:ALA:HB3	7	0.25	0.09	0.2
(1,3747)	2:246:B:LEU:HD23	2:243:B:ALA:HB1	7	0.25	0.09	0.2
(1,3747)	2:246:B:LEU:HD23	2:243:B:ALA:HB2	7	0.25	0.09	0.2
(1,3747)	2:246:B:LEU:HD23	2:243:B:ALA:HB3	7	0.25	0.09	0.2
(1,3551)	1:234:A:THR:HA	1:233:A:CYS:HB2	7	0.2	0.1	0.18
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG21	7	0.19	0.04	0.19
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG22	7	0.19	0.04	0.19
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG23	7	0.19	0.04	0.19
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG21	7	0.12	0.0	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG22	7	0.12	0.0	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG23	7	0.12	0.0	0.12
(1,1623)	2:168:B:LEU:HD11	2:165:B:LYS:H	6	1.8	0.49	1.98
(1,1623)	2:168:B:LEU:HD12	2:165:B:LYS:H	6	1.8	0.49	1.98
(1,1623)	2:168:B:LEU:HD13	2:165:B:LYS:H	6	1.8	0.49	1.98
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG11	6	1.01	0.69	0.78
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG12	6	1.01	0.69	0.78
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG13	6	1.01	0.69	0.78
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG11	6	1.01	0.69	0.78
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG12	6	1.01	0.69	0.78
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG13	6	1.01	0.69	0.78

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG11	6	1.01	0.69	0.78
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG12	6	1.01	0.69	0.78
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG13	6	1.01	0.69	0.78
(1,332)	2:238:B:GLU:HB3	2:181:B:LEU:HD11	6	0.89	0.62	0.78
(1,332)	2:238:B:GLU:HB3	2:181:B:LEU:HD12	6	0.89	0.62	0.78
(1,332)	2:238:B:GLU:HB3	2:181:B:LEU:HD13	6	0.89	0.62	0.78
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD11	6	0.89	0.62	0.78
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD12	6	0.89	0.62	0.78
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD13	6	0.89	0.62	0.78
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD11	6	0.88	0.55	0.76
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD12	6	0.88	0.55	0.76
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD13	6	0.88	0.55	0.76
(1,3843)	2:188:B:LYS:HB3	2:305:B:LEU:HD11	6	0.88	0.55	0.76
(1,3843)	2:188:B:LYS:HB3	2:305:B:LEU:HD12	6	0.88	0.55	0.76
(1,3843)	2:188:B:LYS:HB3	2:305:B:LEU:HD13	6	0.88	0.55	0.76
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG11	6	0.78	0.19	0.74
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG12	6	0.78	0.19	0.74
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG13	6	0.78	0.19	0.74
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG11	6	0.78	0.19	0.74
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG12	6	0.78	0.19	0.74
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG13	6	0.78	0.19	0.74
(1,3366)	1:222:A:PRO:HD2	1:221:A:ASN:HB3	6	0.71	0.61	0.34
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD11	6	0.68	0.18	0.68
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD12	6	0.68	0.18	0.68
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD13	6	0.68	0.18	0.68
(1,2676)	2:312:B:GLU:HB3	2:313:B:VAL:H	6	0.65	0.29	0.74
(1,1712)	2:174:B:LEU:HD11	2:180:B:GLN:HE21	6	0.52	0.27	0.42
(1,1712)	2:174:B:LEU:HD12	2:180:B:GLN:HE21	6	0.52	0.27	0.42
(1,1712)	2:174:B:LEU:HD13	2:180:B:GLN:HE21	6	0.52	0.27	0.42
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE1	6	0.5	0.09	0.5
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE2	6	0.5	0.09	0.5
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE3	6	0.5	0.09	0.5
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE1	6	0.5	0.09	0.5
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE2	6	0.5	0.09	0.5
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE3	6	0.5	0.09	0.5
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE1	6	0.5	0.09	0.5
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE2	6	0.5	0.09	0.5
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE3	6	0.5	0.09	0.5
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG21	6	0.47	0.05	0.48
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG22	6	0.47	0.05	0.48
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG23	6	0.47	0.05	0.48
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG21	6	0.43	0.13	0.42

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG22	6	0.43	0.13	0.42
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG23	6	0.43	0.13	0.42
(1,3052)	1:203:A:GLN:HG3	1:202:A:VAL:HG21	6	0.43	0.13	0.42
(1,3052)	1:203:A:GLN:HG3	1:202:A:VAL:HG22	6	0.43	0.13	0.42
(1,3052)	1:203:A:GLN:HG3	1:202:A:VAL:HG23	6	0.43	0.13	0.42
(1,3833)	2:264:B:LEU:HD11	2:295:B:LEU:HD21	6	0.43	0.22	0.34
(1,3833)	2:264:B:LEU:HD11	2:295:B:LEU:HD22	6	0.43	0.22	0.34
(1,3833)	2:264:B:LEU:HD11	2:295:B:LEU:HD23	6	0.43	0.22	0.34
(1,3833)	2:264:B:LEU:HD12	2:295:B:LEU:HD21	6	0.43	0.22	0.34
(1,3833)	2:264:B:LEU:HD12	2:295:B:LEU:HD22	6	0.43	0.22	0.34
(1,3833)	2:264:B:LEU:HD12	2:295:B:LEU:HD23	6	0.43	0.22	0.34
(1,3833)	2:264:B:LEU:HD13	2:295:B:LEU:HD21	6	0.43	0.22	0.34
(1,3833)	2:264:B:LEU:HD13	2:295:B:LEU:HD22	6	0.43	0.22	0.34
(1,3833)	2:264:B:LEU:HD13	2:295:B:LEU:HD23	6	0.43	0.22	0.34
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD21	6	0.43	0.22	0.34
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD22	6	0.43	0.22	0.34
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD23	6	0.43	0.22	0.34
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD21	6	0.43	0.22	0.34
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD22	6	0.43	0.22	0.34
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD23	6	0.43	0.22	0.34
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD21	6	0.43	0.22	0.34
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD22	6	0.43	0.22	0.34
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD23	6	0.43	0.22	0.34
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG11	6	0.42	0.19	0.42
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG12	6	0.42	0.19	0.42
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG13	6	0.42	0.19	0.42
(1,3862)	2:320:B:ARG:HD2	2:323:B:VAL:HG11	6	0.39	0.17	0.38
(1,3862)	2:320:B:ARG:HD2	2:323:B:VAL:HG12	6	0.39	0.17	0.38
(1,3862)	2:320:B:ARG:HD2	2:323:B:VAL:HG13	6	0.39	0.17	0.38
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD11	6	0.39	0.17	0.38
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD12	6	0.39	0.17	0.38
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD13	6	0.39	0.17	0.38
(1,3862)	2:320:B:ARG:HD3	2:323:B:VAL:HG11	6	0.39	0.17	0.38
(1,3862)	2:320:B:ARG:HD3	2:323:B:VAL:HG12	6	0.39	0.17	0.38
(1,3862)	2:320:B:ARG:HD3	2:323:B:VAL:HG13	6	0.39	0.17	0.38
(1,1914)	2:209:B:ASN:HB2	2:209:B:ASN:HD21	6	0.38	0.02	0.38
(1,3813)	2:156:B:VAL:HA	2:284:B:LEU:HD21	6	0.38	0.25	0.31
(1,3813)	2:156:B:VAL:HA	2:284:B:LEU:HD22	6	0.38	0.25	0.31
(1,3813)	2:156:B:VAL:HA	2:284:B:LEU:HD23	6	0.38	0.25	0.31
(1,3813)	2:274:B:LEU:HA	2:284:B:LEU:HD21	6	0.38	0.25	0.31
(1,3813)	2:274:B:LEU:HA	2:284:B:LEU:HD22	6	0.38	0.25	0.31
(1,3813)	2:274:B:LEU:HA	2:284:B:LEU:HD23	6	0.38	0.25	0.31

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2930)	1:226:A:GLN:HB2	1:226:A:GLN:H	6	0.37	0.05	0.34
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB1	6	0.32	0.1	0.32
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB2	6	0.32	0.1	0.32
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB3	6	0.32	0.1	0.32
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD11	6	0.32	0.23	0.22
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD12	6	0.32	0.23	0.22
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD13	6	0.32	0.23	0.22
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD11	6	0.32	0.23	0.22
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD12	6	0.32	0.23	0.22
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD13	6	0.32	0.23	0.22
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD11	6	0.32	0.23	0.22
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD12	6	0.32	0.23	0.22
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD13	6	0.32	0.23	0.22
(1,3819)	2:245:B:ILE:HG21	2:184:B:LEU:HD11	6	0.32	0.23	0.22
(1,3819)	2:245:B:ILE:HG21	2:184:B:LEU:HD12	6	0.32	0.23	0.22
(1,3819)	2:245:B:ILE:HG21	2:184:B:LEU:HD13	6	0.32	0.23	0.22
(1,3819)	2:245:B:ILE:HG22	2:184:B:LEU:HD11	6	0.32	0.23	0.22
(1,3819)	2:245:B:ILE:HG22	2:184:B:LEU:HD12	6	0.32	0.23	0.22
(1,3819)	2:245:B:ILE:HG22	2:184:B:LEU:HD13	6	0.32	0.23	0.22
(1,3819)	2:245:B:ILE:HG23	2:184:B:LEU:HD11	6	0.32	0.23	0.22
(1,3819)	2:245:B:ILE:HG23	2:184:B:LEU:HD12	6	0.32	0.23	0.22
(1,3819)	2:245:B:ILE:HG23	2:184:B:LEU:HD13	6	0.32	0.23	0.22
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD21	6	0.32	0.12	0.32
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD22	6	0.32	0.12	0.32
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD23	6	0.32	0.12	0.32
(1,609)	2:269:B:ARG:HG2	2:233:B:LEU:HD21	6	0.32	0.12	0.32
(1,609)	2:269:B:ARG:HG2	2:233:B:LEU:HD22	6	0.32	0.12	0.32
(1,609)	2:269:B:ARG:HG2	2:233:B:LEU:HD23	6	0.32	0.12	0.32
(1,1999)	2:222:B:LYS:HG3	2:223:B:GLU:H	6	0.31	0.1	0.33
(1,1999)	2:222:B:LYS:HG2	2:223:B:GLU:H	6	0.31	0.1	0.33
(1,2934)	1:227:A:LEU:HG	1:227:A:LEU:H	6	0.25	0.08	0.29
(1,3739)	2:239:B:ARG:HB2	2:234:B:LEU:HD21	6	0.25	0.15	0.18
(1,3739)	2:239:B:ARG:HB2	2:234:B:LEU:HD22	6	0.25	0.15	0.18
(1,3739)	2:239:B:ARG:HB2	2:234:B:LEU:HD23	6	0.25	0.15	0.18
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD21	6	0.25	0.15	0.18
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD22	6	0.25	0.15	0.18
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD23	6	0.25	0.15	0.18
(1,3739)	2:239:B:ARG:HG3	2:234:B:LEU:HD21	6	0.25	0.15	0.18
(1,3739)	2:239:B:ARG:HG3	2:234:B:LEU:HD22	6	0.25	0.15	0.18
(1,3739)	2:239:B:ARG:HG3	2:234:B:LEU:HD23	6	0.25	0.15	0.18
(1,3748)	2:216:B:GLU:HB3	2:216:B:GLU:HA	6	0.21	0.01	0.21
(1,3748)	2:244:B:GLU:HB3	2:244:B:GLU:HA	6	0.21	0.01	0.21

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2974)	1:232:A:THR:H	1:233:A:CYS:H	6	0.2	0.04	0.2
(1,3698)	2:198:B:ALA:HB1	2:195:B:GLU:HG3	6	0.19	0.06	0.18
(1,3698)	2:198:B:ALA:HB2	2:195:B:GLU:HG3	6	0.19	0.06	0.18
(1,3698)	2:198:B:ALA:HB3	2:195:B:GLU:HG3	6	0.19	0.06	0.18
(1,3698)	2:198:B:ALA:HB1	2:195:B:GLU:HG2	6	0.19	0.06	0.18
(1,3698)	2:198:B:ALA:HB2	2:195:B:GLU:HG2	6	0.19	0.06	0.18
(1,3698)	2:198:B:ALA:HB3	2:195:B:GLU:HG2	6	0.19	0.06	0.18
(1,2730)	2:321:B:LYS:HA	2:322:B:ALA:H	6	0.18	0.03	0.18
(1,2730)	2:319:B:HIS:HA	2:322:B:ALA:H	6	0.18	0.03	0.18
(1,3150)	1:212:A:LEU:HG	1:208:A:ARG:HD3	6	0.16	0.06	0.14
(1,3590)	1:238:A:PRO:HB3	1:238:A:PRO:HG2	6	0.16	0.03	0.18
(1,3590)	1:204:A:PRO:HB3	1:204:A:PRO:HG2	6	0.16	0.03	0.18
(1,2998)	1:207:A:ARG:HA	1:207:A:ARG:HG3	6	0.16	0.07	0.12
(1,2998)	1:220:A:ARG:HA	1:220:A:ARG:HG2	6	0.16	0.07	0.12
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE1	6	0.13	0.02	0.13
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE2	6	0.13	0.02	0.13
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE3	6	0.13	0.02	0.13
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD11	5	2.04	0.36	2.22
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD12	5	2.04	0.36	2.22
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD13	5	2.04	0.36	2.22
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD11	5	2.04	0.36	2.22
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD12	5	2.04	0.36	2.22
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD13	5	2.04	0.36	2.22
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD11	5	2.04	0.36	2.22
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD12	5	2.04	0.36	2.22
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD13	5	2.04	0.36	2.22
(1,2923)	1:227:A:LEU:HD11	1:226:A:GLN:H	5	1.57	0.64	2.01
(1,2923)	1:227:A:LEU:HD12	1:226:A:GLN:H	5	1.57	0.64	2.01
(1,2923)	1:227:A:LEU:HD13	1:226:A:GLN:H	5	1.57	0.64	2.01
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD11	5	1.45	0.62	1.78
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD12	5	1.45	0.62	1.78
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD13	5	1.45	0.62	1.78
(1,760)	2:257:B:VAL:HG11	2:256:B:GLN:HG2	5	1.23	1.16	0.44
(1,760)	2:257:B:VAL:HG12	2:256:B:GLN:HG2	5	1.23	1.16	0.44
(1,760)	2:257:B:VAL:HG13	2:256:B:GLN:HG2	5	1.23	1.16	0.44
(1,3682)	2:193:B:ILE:HD11	2:188:B:LYS:HE2	5	1.21	0.7	1.7
(1,3682)	2:193:B:ILE:HD12	2:188:B:LYS:HE2	5	1.21	0.7	1.7
(1,3682)	2:193:B:ILE:HD13	2:188:B:LYS:HE2	5	1.21	0.7	1.7
(1,3682)	2:305:B:LEU:HD11	2:188:B:LYS:HE2	5	1.21	0.7	1.7
(1,3682)	2:305:B:LEU:HD12	2:188:B:LYS:HE2	5	1.21	0.7	1.7
(1,3682)	2:305:B:LEU:HD13	2:188:B:LYS:HE2	5	1.21	0.7	1.7
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD21	5	0.92	0.0	0.92

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD22	5	0.92	0.0	0.92
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD23	5	0.92	0.0	0.92
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD11	5	0.84	0.37	1.02
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD12	5	0.84	0.37	1.02
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD13	5	0.84	0.37	1.02
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD11	5	0.84	0.37	1.02
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD12	5	0.84	0.37	1.02
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD13	5	0.84	0.37	1.02
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD11	5	0.84	0.37	1.02
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD12	5	0.84	0.37	1.02
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD13	5	0.84	0.37	1.02
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD21	5	0.84	0.23	0.81
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD22	5	0.84	0.23	0.81
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD23	5	0.84	0.23	0.81
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD11	5	0.83	0.24	0.73
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD12	5	0.83	0.24	0.73
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD13	5	0.83	0.24	0.73
(1,1857)	2:195:B:GLU:HG2	2:199:B:ASN:HD22	5	0.82	0.75	0.24
(1,3727)	2:222:B:LYS:HG2	2:223:B:GLU:HG2	5	0.78	0.39	0.85
(1,3727)	2:219:B:ALA:HB1	2:223:B:GLU:HG2	5	0.78	0.39	0.85
(1,3727)	2:219:B:ALA:HB2	2:223:B:GLU:HG2	5	0.78	0.39	0.85
(1,3727)	2:219:B:ALA:HB3	2:223:B:GLU:HG2	5	0.78	0.39	0.85
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG21	5	0.7	0.24	0.73
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG22	5	0.7	0.24	0.73
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG23	5	0.7	0.24	0.73
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG21	5	0.7	0.24	0.73
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG22	5	0.7	0.24	0.73
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG23	5	0.7	0.24	0.73
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG21	5	0.7	0.24	0.73
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG22	5	0.7	0.24	0.73
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG23	5	0.7	0.24	0.73
(1,3650)	2:257:B:VAL:HG11	2:186:B:ALA:HB1	5	0.7	0.24	0.73
(1,3650)	2:257:B:VAL:HG11	2:186:B:ALA:HB2	5	0.7	0.24	0.73
(1,3650)	2:257:B:VAL:HG11	2:186:B:ALA:HB3	5	0.7	0.24	0.73
(1,3650)	2:257:B:VAL:HG12	2:186:B:ALA:HB1	5	0.7	0.24	0.73
(1,3650)	2:257:B:VAL:HG12	2:186:B:ALA:HB2	5	0.7	0.24	0.73
(1,3650)	2:257:B:VAL:HG12	2:186:B:ALA:HB3	5	0.7	0.24	0.73
(1,3650)	2:257:B:VAL:HG13	2:186:B:ALA:HB1	5	0.7	0.24	0.73
(1,3650)	2:257:B:VAL:HG13	2:186:B:ALA:HB2	5	0.7	0.24	0.73
(1,3650)	2:257:B:VAL:HG13	2:186:B:ALA:HB3	5	0.7	0.24	0.73
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD11	5	0.66	0.66	0.14
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD12	5	0.66	0.66	0.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD13	5	0.66	0.66	0.14
(1,3844)	2:188:B:LYS:HB2	2:305:B:LEU:HD11	5	0.56	0.48	0.24
(1,3844)	2:188:B:LYS:HB2	2:305:B:LEU:HD12	5	0.56	0.48	0.24
(1,3844)	2:188:B:LYS:HB2	2:305:B:LEU:HD13	5	0.56	0.48	0.24
(1,3844)	2:184:B:LEU:HG	2:257:B:VAL:HG21	5	0.56	0.48	0.24
(1,3844)	2:184:B:LEU:HG	2:257:B:VAL:HG22	5	0.56	0.48	0.24
(1,3844)	2:184:B:LEU:HG	2:257:B:VAL:HG23	5	0.56	0.48	0.24
(1,376)	2:187:B:LYS:HB3	2:187:B:LYS:HE3	5	0.55	0.14	0.54
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD21	5	0.48	0.2	0.46
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD22	5	0.48	0.2	0.46
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD23	5	0.48	0.2	0.46
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD21	5	0.48	0.2	0.46
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD22	5	0.48	0.2	0.46
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD23	5	0.48	0.2	0.46
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD21	5	0.48	0.2	0.46
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD22	5	0.48	0.2	0.46
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD23	5	0.48	0.2	0.46
(1,2999)	1:211:A:GLU:HG2	1:207:A:ARG:HD2	5	0.44	0.26	0.38
(1,2999)	1:211:A:GLU:HG2	1:207:A:ARG:HD3	5	0.44	0.26	0.38
(1,2999)	1:211:A:GLU:HG2	1:208:A:ARG:HD2	5	0.44	0.26	0.38
(1,3503)	1:231:A:LEU:HD21	1:230:A:GLU:HG3	5	0.41	0.17	0.39
(1,3503)	1:231:A:LEU:HD22	1:230:A:GLU:HG3	5	0.41	0.17	0.39
(1,3503)	1:231:A:LEU:HD23	1:230:A:GLU:HG3	5	0.41	0.17	0.39
(1,3726)	2:219:B:ALA:HA	2:222:B:LYS:HE3	5	0.39	0.16	0.38
(1,3726)	2:219:B:ALA:HA	2:222:B:LYS:HE2	5	0.39	0.16	0.38
(1,477)	2:204:B:ARG:HA	2:204:B:ARG:HD2	5	0.35	0.03	0.36
(1,2941)	1:227:A:LEU:HD11	1:227:A:LEU:H	5	0.31	0.09	0.3
(1,2941)	1:227:A:LEU:HD12	1:227:A:LEU:H	5	0.31	0.09	0.3
(1,2941)	1:227:A:LEU:HD13	1:227:A:LEU:H	5	0.31	0.09	0.3
(1,2410)	2:280:B:ASP:HB3	2:281:B:GLU:H	5	0.29	0.11	0.28
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE1	5	0.26	0.13	0.2
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE2	5	0.26	0.13	0.2
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE3	5	0.26	0.13	0.2
(1,570)	2:232:B:GLN:HG2	2:228:B:MET:HE1	5	0.26	0.13	0.2
(1,570)	2:232:B:GLN:HG2	2:228:B:MET:HE2	5	0.26	0.13	0.2
(1,570)	2:232:B:GLN:HG2	2:228:B:MET:HE3	5	0.26	0.13	0.2
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD21	5	0.26	0.1	0.25
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD22	5	0.26	0.1	0.25
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD23	5	0.26	0.1	0.25
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD21	5	0.26	0.1	0.25
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD22	5	0.26	0.1	0.25
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD23	5	0.26	0.1	0.25

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD21	5	0.26	0.1	0.25
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD22	5	0.26	0.1	0.25
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD23	5	0.26	0.1	0.25
(1,3596)	1:231:A:LEU:HD11	2:168:B:LEU:HD21	5	0.26	0.1	0.25
(1,3596)	1:231:A:LEU:HD11	2:168:B:LEU:HD22	5	0.26	0.1	0.25
(1,3596)	1:231:A:LEU:HD11	2:168:B:LEU:HD23	5	0.26	0.1	0.25
(1,3596)	1:231:A:LEU:HD12	2:168:B:LEU:HD21	5	0.26	0.1	0.25
(1,3596)	1:231:A:LEU:HD12	2:168:B:LEU:HD22	5	0.26	0.1	0.25
(1,3596)	1:231:A:LEU:HD12	2:168:B:LEU:HD23	5	0.26	0.1	0.25
(1,3596)	1:231:A:LEU:HD13	2:168:B:LEU:HD21	5	0.26	0.1	0.25
(1,3596)	1:231:A:LEU:HD13	2:168:B:LEU:HD22	5	0.26	0.1	0.25
(1,3596)	1:231:A:LEU:HD13	2:168:B:LEU:HD23	5	0.26	0.1	0.25
(1,3699)	2:239:B:ARG:HB3	2:243:B:ALA:HB1	5	0.26	0.17	0.18
(1,3699)	2:239:B:ARG:HB3	2:243:B:ALA:HB2	5	0.26	0.17	0.18
(1,3699)	2:239:B:ARG:HB3	2:243:B:ALA:HB3	5	0.26	0.17	0.18
(1,3699)	2:195:B:GLU:HG2	2:198:B:ALA:HB1	5	0.26	0.17	0.18
(1,3699)	2:195:B:GLU:HG2	2:198:B:ALA:HB2	5	0.26	0.17	0.18
(1,3699)	2:195:B:GLU:HG2	2:198:B:ALA:HB3	5	0.26	0.17	0.18
(1,3699)	2:195:B:GLU:HG3	2:198:B:ALA:HB1	5	0.26	0.17	0.18
(1,3699)	2:195:B:GLU:HG3	2:198:B:ALA:HB2	5	0.26	0.17	0.18
(1,3699)	2:195:B:GLU:HG3	2:198:B:ALA:HB3	5	0.26	0.17	0.18
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD11	5	0.25	0.11	0.21
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD12	5	0.25	0.11	0.21
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD13	5	0.25	0.11	0.21
(1,3527)	1:230:A:GLU:HG3	1:231:A:LEU:HD11	5	0.25	0.11	0.21
(1,3527)	1:230:A:GLU:HG3	1:231:A:LEU:HD12	5	0.25	0.11	0.21
(1,3527)	1:230:A:GLU:HG3	1:231:A:LEU:HD13	5	0.25	0.11	0.21
(1,2553)	2:296:B:LYS:HG3	2:296:B:LYS:H	5	0.25	0.1	0.21
(1,2389)	2:284:B:LEU:HD21	2:279:B:LEU:H	5	0.24	0.11	0.18
(1,2389)	2:284:B:LEU:HD22	2:279:B:LEU:H	5	0.24	0.11	0.18
(1,2389)	2:284:B:LEU:HD23	2:279:B:LEU:H	5	0.24	0.11	0.18
(1,2389)	2:284:B:LEU:HD11	2:279:B:LEU:H	5	0.24	0.11	0.18
(1,2389)	2:284:B:LEU:HD12	2:279:B:LEU:H	5	0.24	0.11	0.18
(1,2389)	2:284:B:LEU:HD13	2:279:B:LEU:H	5	0.24	0.11	0.18
(1,3628)	2:156:B:VAL:HA	2:156:B:VAL:HB	5	0.19	0.05	0.22
(1,3628)	2:236:B:LYS:HA	2:236:B:LYS:HB3	5	0.19	0.05	0.22
(1,3495)	1:230:A:GLU:HA	1:229:A:ASN:HB2	5	0.17	0.06	0.15
(1,3640)	2:233:B:LEU:HD11	2:233:B:LEU:HA	5	0.17	0.03	0.16
(1,3640)	2:233:B:LEU:HD12	2:233:B:LEU:HA	5	0.17	0.03	0.16
(1,3640)	2:233:B:LEU:HD13	2:233:B:LEU:HA	5	0.17	0.03	0.16
(3,80)	2:286:B:LEU:O	2:290:B:TYR:N	5	0.12	0.01	0.12
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG21	5	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)
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG22	5	0.11	0.0	0.11
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG23	5	0.11	0.0	0.11
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG21	5	0.11	0.0	0.11
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG22	5	0.11	0.0	0.11
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG23	5	0.11	0.0	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG21	5	0.11	0.0	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG22	5	0.11	0.0	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG23	5	0.11	0.0	0.11
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD11	4	2.34	0.04	2.34
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD12	4	2.34	0.04	2.34
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD13	4	2.34	0.04	2.34
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD21	4	1.68	0.37	1.56
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD22	4	1.68	0.37	1.56
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD23	4	1.68	0.37	1.56
(1,1208)	2:286:B:LEU:HD21	1:204:A:PRO:HB3	4	1.2	0.15	1.21
(1,1208)	2:286:B:LEU:HD22	1:204:A:PRO:HB3	4	1.2	0.15	1.21
(1,1208)	2:286:B:LEU:HD23	1:204:A:PRO:HB3	4	1.2	0.15	1.21
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD11	4	1.07	0.13	1.12
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD12	4	1.07	0.13	1.12
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD13	4	1.07	0.13	1.12
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD21	4	0.86	0.27	0.76
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD22	4	0.86	0.27	0.76
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD23	4	0.86	0.27	0.76
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD11	4	0.83	0.49	0.65
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD12	4	0.83	0.49	0.65
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD13	4	0.83	0.49	0.65
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD11	4	0.83	0.49	0.65
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD12	4	0.83	0.49	0.65
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD13	4	0.83	0.49	0.65
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD11	4	0.83	0.49	0.65
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD12	4	0.83	0.49	0.65
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD13	4	0.83	0.49	0.65
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD11	4	0.79	0.36	0.66
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD12	4	0.79	0.36	0.66
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD13	4	0.79	0.36	0.66
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD11	4	0.79	0.36	0.66
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD12	4	0.79	0.36	0.66
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD13	4	0.79	0.36	0.66
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD11	4	0.79	0.04	0.78
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD12	4	0.79	0.04	0.78
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD13	4	0.79	0.04	0.78
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD11	4	0.75	0.01	0.76

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD12	4	0.75	0.01	0.76
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD13	4	0.75	0.01	0.76
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD21	4	0.73	0.14	0.78
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD22	4	0.73	0.14	0.78
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD23	4	0.73	0.14	0.78
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD21	4	0.73	0.14	0.78
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD22	4	0.73	0.14	0.78
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD23	4	0.73	0.14	0.78
(1,3067)	1:202:A:VAL:HG11	1:203:A:GLN:HG3	4	0.71	0.31	0.62
(1,3067)	1:202:A:VAL:HG12	1:203:A:GLN:HG3	4	0.71	0.31	0.62
(1,3067)	1:202:A:VAL:HG13	1:203:A:GLN:HG3	4	0.71	0.31	0.62
(1,3067)	1:202:A:VAL:HG21	1:203:A:GLN:HG3	4	0.71	0.31	0.62
(1,3067)	1:202:A:VAL:HG22	1:203:A:GLN:HG3	4	0.71	0.31	0.62
(1,3067)	1:202:A:VAL:HG23	1:203:A:GLN:HG3	4	0.71	0.31	0.62
(1,3738)	2:269:B:ARG:HB2	2:233:B:LEU:HD21	4	0.68	0.47	0.6
(1,3738)	2:269:B:ARG:HB2	2:233:B:LEU:HD22	4	0.68	0.47	0.6
(1,3738)	2:269:B:ARG:HB2	2:233:B:LEU:HD23	4	0.68	0.47	0.6
(1,3738)	2:234:B:LEU:HG	2:233:B:LEU:HD21	4	0.68	0.47	0.6
(1,3738)	2:234:B:LEU:HG	2:233:B:LEU:HD22	4	0.68	0.47	0.6
(1,3738)	2:234:B:LEU:HG	2:233:B:LEU:HD23	4	0.68	0.47	0.6
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD21	4	0.68	0.35	0.72
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD22	4	0.68	0.35	0.72
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD23	4	0.68	0.35	0.72
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD21	4	0.62	0.22	0.71
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD22	4	0.62	0.22	0.71
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD23	4	0.62	0.22	0.71
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD21	4	0.62	0.22	0.71
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD22	4	0.62	0.22	0.71
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD23	4	0.62	0.22	0.71
(1,95)	1:213:A:LEU:HD11	2:273:B:MET:HG2	4	0.56	0.42	0.38
(1,95)	1:213:A:LEU:HD12	2:273:B:MET:HG2	4	0.56	0.42	0.38
(1,95)	1:213:A:LEU:HD13	2:273:B:MET:HG2	4	0.56	0.42	0.38
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD21	4	0.55	0.16	0.62
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD22	4	0.55	0.16	0.62
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD23	4	0.55	0.16	0.62
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD21	4	0.55	0.16	0.62
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD22	4	0.55	0.16	0.62
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD23	4	0.55	0.16	0.62
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD21	4	0.55	0.16	0.62
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD22	4	0.55	0.16	0.62
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD23	4	0.55	0.16	0.62
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD21	4	0.53	0.37	0.37

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD22	4	0.53	0.37	0.37
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD23	4	0.53	0.37	0.37
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD21	4	0.53	0.37	0.37
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD22	4	0.53	0.37	0.37
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD23	4	0.53	0.37	0.37
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD21	4	0.53	0.37	0.37
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD22	4	0.53	0.37	0.37
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD23	4	0.53	0.37	0.37
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD21	4	0.5	0.02	0.5
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD22	4	0.5	0.02	0.5
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD23	4	0.5	0.02	0.5
(1,3550)	1:234:A:THR:HA	1:233:A:CYS:HB3	4	0.48	0.19	0.52
(1,1534)	2:221:B:ILE:HG12	2:221:B:ILE:H	4	0.47	0.01	0.48
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD11	4	0.42	0.01	0.42
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD12	4	0.42	0.01	0.42
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD13	4	0.42	0.01	0.42
(1,1553)	2:274:B:LEU:HB2	2:156:B:VAL:H	4	0.41	0.2	0.44
(1,1553)	2:155:B:GLU:HB3	2:156:B:VAL:H	4	0.41	0.2	0.44
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG21	4	0.4	0.26	0.38
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG22	4	0.4	0.26	0.38
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG23	4	0.4	0.26	0.38
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG21	4	0.4	0.26	0.38
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG22	4	0.4	0.26	0.38
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG23	4	0.4	0.26	0.38
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG21	4	0.4	0.26	0.38
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG22	4	0.4	0.26	0.38
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG23	4	0.4	0.26	0.38
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD21	4	0.4	0.23	0.3
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD22	4	0.4	0.23	0.3
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD23	4	0.4	0.23	0.3
(1,1991)	2:194:B:LEU:HD11	2:222:B:LYS:H	4	0.39	0.14	0.45
(1,1991)	2:194:B:LEU:HD12	2:222:B:LYS:H	4	0.39	0.14	0.45
(1,1991)	2:194:B:LEU:HD13	2:222:B:LYS:H	4	0.39	0.14	0.45
(1,1141)	2:320:B:ARG:HA	2:320:B:ARG:HD3	4	0.39	0.11	0.4
(1,1141)	2:320:B:ARG:HA	2:320:B:ARG:HD2	4	0.39	0.11	0.4
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG11	4	0.34	0.21	0.24
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG12	4	0.34	0.21	0.24
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG13	4	0.34	0.21	0.24
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG11	4	0.34	0.21	0.24
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG12	4	0.34	0.21	0.24
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG13	4	0.34	0.21	0.24
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD21	4	0.32	0.16	0.28

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD22	4	0.32	0.16	0.28
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD23	4	0.32	0.16	0.28
(1,2347)	2:273:B:MET:HG2	2:273:B:MET:H	4	0.32	0.12	0.38
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD21	4	0.32	0.09	0.34
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD22	4	0.32	0.09	0.34
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD23	4	0.32	0.09	0.34
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD21	4	0.32	0.09	0.34
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD22	4	0.32	0.09	0.34
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD23	4	0.32	0.09	0.34
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD21	4	0.32	0.09	0.34
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD22	4	0.32	0.09	0.34
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD23	4	0.32	0.09	0.34
(1,1168)	2:236:B:LYS:HE3	2:323:B:VAL:HG21	4	0.32	0.09	0.3
(1,1168)	2:236:B:LYS:HE3	2:323:B:VAL:HG22	4	0.32	0.09	0.3
(1,1168)	2:236:B:LYS:HE3	2:323:B:VAL:HG23	4	0.32	0.09	0.3
(1,1168)	2:236:B:LYS:HE2	2:323:B:VAL:HG21	4	0.32	0.09	0.3
(1,1168)	2:236:B:LYS:HE2	2:323:B:VAL:HG22	4	0.32	0.09	0.3
(1,1168)	2:236:B:LYS:HE2	2:323:B:VAL:HG23	4	0.32	0.09	0.3
(1,2458)	2:286:B:LEU:HB3	2:286:B:LEU:H	4	0.31	0.01	0.31
(1,3624)	2:296:B:LYS:HE2	2:296:B:LYS:HG2	4	0.31	0.22	0.2
(1,3624)	2:282:B:LYS:HE3	2:282:B:LYS:HG2	4	0.31	0.22	0.2
(1,3624)	2:296:B:LYS:HE3	2:296:B:LYS:HG2	4	0.31	0.22	0.2
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD21	4	0.3	0.02	0.3
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD22	4	0.3	0.02	0.3
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD23	4	0.3	0.02	0.3
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD21	4	0.3	0.02	0.3
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD22	4	0.3	0.02	0.3
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD23	4	0.3	0.02	0.3
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD21	4	0.3	0.02	0.3
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD22	4	0.3	0.02	0.3
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD23	4	0.3	0.02	0.3
(1,3597)	1:217:A:ALA:HA	2:227:B:VAL:HG21	4	0.3	0.16	0.26
(1,3597)	1:217:A:ALA:HA	2:227:B:VAL:HG22	4	0.3	0.16	0.26
(1,3597)	1:217:A:ALA:HA	2:227:B:VAL:HG23	4	0.3	0.16	0.26
(1,3597)	1:232:A:THR:HA	2:169:B:VAL:HG11	4	0.3	0.16	0.26
(1,3597)	1:232:A:THR:HA	2:169:B:VAL:HG12	4	0.3	0.16	0.26
(1,3597)	1:232:A:THR:HA	2:169:B:VAL:HG13	4	0.3	0.16	0.26
(1,3786)	2:263:B:LEU:HD21	2:193:B:ILE:HG21	4	0.28	0.11	0.32
(1,3786)	2:263:B:LEU:HD21	2:193:B:ILE:HG22	4	0.28	0.11	0.32
(1,3786)	2:263:B:LEU:HD21	2:193:B:ILE:HG23	4	0.28	0.11	0.32
(1,3786)	2:263:B:LEU:HD22	2:193:B:ILE:HG21	4	0.28	0.11	0.32
(1,3786)	2:263:B:LEU:HD22	2:193:B:ILE:HG22	4	0.28	0.11	0.32

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3786)	2:263:B:LEU:HD22	2:193:B:ILE:HG23	4	0.28	0.11	0.32
(1,3786)	2:263:B:LEU:HD23	2:193:B:ILE:HG21	4	0.28	0.11	0.32
(1,3786)	2:263:B:LEU:HD23	2:193:B:ILE:HG22	4	0.28	0.11	0.32
(1,3786)	2:263:B:LEU:HD23	2:193:B:ILE:HG23	4	0.28	0.11	0.32
(1,3786)	2:158:B:VAL:HG11	2:270:B:ILE:HG21	4	0.28	0.11	0.32
(1,3786)	2:158:B:VAL:HG11	2:270:B:ILE:HG22	4	0.28	0.11	0.32
(1,3786)	2:158:B:VAL:HG11	2:270:B:ILE:HG23	4	0.28	0.11	0.32
(1,3786)	2:158:B:VAL:HG12	2:270:B:ILE:HG21	4	0.28	0.11	0.32
(1,3786)	2:158:B:VAL:HG12	2:270:B:ILE:HG22	4	0.28	0.11	0.32
(1,3786)	2:158:B:VAL:HG12	2:270:B:ILE:HG23	4	0.28	0.11	0.32
(1,3786)	2:158:B:VAL:HG13	2:270:B:ILE:HG21	4	0.28	0.11	0.32
(1,3786)	2:158:B:VAL:HG13	2:270:B:ILE:HG22	4	0.28	0.11	0.32
(1,3786)	2:158:B:VAL:HG13	2:270:B:ILE:HG23	4	0.28	0.11	0.32
(1,1209)	2:286:B:LEU:HD21	1:204:A:PRO:HB2	4	0.27	0.21	0.16
(1,1209)	2:286:B:LEU:HD22	1:204:A:PRO:HB2	4	0.27	0.21	0.16
(1,1209)	2:286:B:LEU:HD23	1:204:A:PRO:HB2	4	0.27	0.21	0.16
(1,3966)	2:237:B:PHE:HE1	2:181:B:LEU:HD11	4	0.27	0.05	0.24
(1,3966)	2:237:B:PHE:HE1	2:181:B:LEU:HD12	4	0.27	0.05	0.24
(1,3966)	2:237:B:PHE:HE1	2:181:B:LEU:HD13	4	0.27	0.05	0.24
(1,3966)	2:237:B:PHE:HE2	2:181:B:LEU:HD11	4	0.27	0.05	0.24
(1,3966)	2:237:B:PHE:HE2	2:181:B:LEU:HD12	4	0.27	0.05	0.24
(1,3966)	2:237:B:PHE:HE2	2:181:B:LEU:HD13	4	0.27	0.05	0.24
(1,3966)	2:267:B:PHE:HZ	2:263:B:LEU:HD21	4	0.27	0.05	0.24
(1,3966)	2:267:B:PHE:HZ	2:263:B:LEU:HD22	4	0.27	0.05	0.24
(1,3966)	2:267:B:PHE:HZ	2:263:B:LEU:HD23	4	0.27	0.05	0.24
(1,3515)	1:230:A:GLU:HG3	1:231:A:LEU:HG	4	0.26	0.07	0.28
(1,2737)	2:320:B:ARG:HA	2:323:B:VAL:H	4	0.25	0.11	0.22
(1,2952)	1:231:A:LEU:HB3	1:231:A:LEU:H	4	0.25	0.07	0.24
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG21	4	0.24	0.05	0.23
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG22	4	0.24	0.05	0.23
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG23	4	0.24	0.05	0.23
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG21	4	0.24	0.05	0.23
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG22	4	0.24	0.05	0.23
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG23	4	0.24	0.05	0.23
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG21	4	0.24	0.05	0.23
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG22	4	0.24	0.05	0.23
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG23	4	0.24	0.05	0.23
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD21	4	0.24	0.09	0.24
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD22	4	0.24	0.09	0.24
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD23	4	0.24	0.09	0.24
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD21	4	0.22	0.03	0.24
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD22	4	0.22	0.03	0.24

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD23	4	0.22	0.03	0.24
(1,1336)	2:268:B:VAL:HG21	1:228:A:PRO:HD2	4	0.21	0.05	0.2
(1,1336)	2:268:B:VAL:HG22	1:228:A:PRO:HD2	4	0.21	0.05	0.2
(1,1336)	2:268:B:VAL:HG23	1:228:A:PRO:HD2	4	0.21	0.05	0.2
(1,1474)	2:290:B:TYR:HD1	2:286:B:LEU:HG	4	0.19	0.03	0.19
(1,1474)	2:290:B:TYR:HD2	2:286:B:LEU:HG	4	0.19	0.03	0.19
(1,2637)	2:305:B:LEU:HD11	2:306:B:PHE:H	4	0.19	0.05	0.18
(1,2637)	2:305:B:LEU:HD12	2:306:B:PHE:H	4	0.19	0.05	0.18
(1,2637)	2:305:B:LEU:HD13	2:306:B:PHE:H	4	0.19	0.05	0.18
(1,214)	2:159:B:LYS:HG2	2:159:B:LYS:HE3	4	0.19	0.03	0.2
(1,214)	2:159:B:LYS:HG2	2:159:B:LYS:HE2	4	0.19	0.03	0.2
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG11	4	0.18	0.01	0.18
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG12	4	0.18	0.01	0.18
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG13	4	0.18	0.01	0.18
(1,761)	2:252:B:ALA:HB1	2:256:B:GLN:HG2	4	0.18	0.06	0.16
(1,761)	2:252:B:ALA:HB2	2:256:B:GLN:HG2	4	0.18	0.06	0.16
(1,761)	2:252:B:ALA:HB3	2:256:B:GLN:HG2	4	0.18	0.06	0.16
(1,761)	2:252:B:ALA:HB1	2:256:B:GLN:HG3	4	0.18	0.06	0.16
(1,761)	2:252:B:ALA:HB2	2:256:B:GLN:HG3	4	0.18	0.06	0.16
(1,761)	2:252:B:ALA:HB3	2:256:B:GLN:HG3	4	0.18	0.06	0.16
(1,3329)	1:219:A:GLU:HG3	1:219:A:GLU:HB3	4	0.18	0.03	0.18
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB1	4	0.17	0.06	0.14
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB2	4	0.17	0.06	0.14
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB3	4	0.17	0.06	0.14
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB1	4	0.17	0.06	0.14
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB2	4	0.17	0.06	0.14
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB3	4	0.17	0.06	0.14
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB1	4	0.17	0.06	0.14
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB2	4	0.17	0.06	0.14
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB3	4	0.17	0.06	0.14
(1,637)	2:239:B:ARG:HA	2:239:B:ARG:HD3	4	0.15	0.02	0.16
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD11	4	0.14	0.02	0.14
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD12	4	0.14	0.02	0.14
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD13	4	0.14	0.02	0.14
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD11	4	0.14	0.02	0.14
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD12	4	0.14	0.02	0.14
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD13	4	0.14	0.02	0.14
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG11	4	0.13	0.04	0.12
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG12	4	0.13	0.04	0.12
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG13	4	0.13	0.04	0.12
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG11	4	0.13	0.04	0.12
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG12	4	0.13	0.04	0.12

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG13	4	0.13	0.04	0.12
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG11	4	0.13	0.04	0.12
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG12	4	0.13	0.04	0.12
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG13	4	0.13	0.04	0.12
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB1	4	0.12	0.01	0.12
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB2	4	0.12	0.01	0.12
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB3	4	0.12	0.01	0.12
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB1	4	0.12	0.01	0.12
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB2	4	0.12	0.01	0.12
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB3	4	0.12	0.01	0.12
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB1	4	0.12	0.01	0.12
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB2	4	0.12	0.01	0.12
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB3	4	0.12	0.01	0.12
(1,3006)	1:207:A:ARG:HG3	1:207:A:ARG:HD2	4	0.11	0.01	0.11
(1,3006)	1:207:A:ARG:HG2	1:207:A:ARG:HD3	4	0.11	0.01	0.11
(1,7)	1:231:A:LEU:HD11	2:168:B:LEU:HD11	3	1.36	0.24	1.49
(1,7)	1:231:A:LEU:HD11	2:168:B:LEU:HD12	3	1.36	0.24	1.49
(1,7)	1:231:A:LEU:HD11	2:168:B:LEU:HD13	3	1.36	0.24	1.49
(1,7)	1:231:A:LEU:HD12	2:168:B:LEU:HD11	3	1.36	0.24	1.49
(1,7)	1:231:A:LEU:HD12	2:168:B:LEU:HD12	3	1.36	0.24	1.49
(1,7)	1:231:A:LEU:HD12	2:168:B:LEU:HD13	3	1.36	0.24	1.49
(1,7)	1:231:A:LEU:HD13	2:168:B:LEU:HD11	3	1.36	0.24	1.49
(1,7)	1:231:A:LEU:HD13	2:168:B:LEU:HD12	3	1.36	0.24	1.49
(1,7)	1:231:A:LEU:HD13	2:168:B:LEU:HD13	3	1.36	0.24	1.49
(1,1337)	2:169:B:VAL:HG21	1:231:A:LEU:HB3	3	1.19	0.13	1.22
(1,1337)	2:169:B:VAL:HG22	1:231:A:LEU:HB3	3	1.19	0.13	1.22
(1,1337)	2:169:B:VAL:HG23	1:231:A:LEU:HB3	3	1.19	0.13	1.22
(1,703)	2:243:B:ALA:HA	2:246:B:LEU:HD21	3	1.14	0.3	0.94
(1,703)	2:243:B:ALA:HA	2:246:B:LEU:HD22	3	1.14	0.3	0.94
(1,703)	2:243:B:ALA:HA	2:246:B:LEU:HD23	3	1.14	0.3	0.94
(1,3533)	1:230:A:GLU:HG3	1:231:A:LEU:HD21	3	1.04	0.17	1.02
(1,3533)	1:230:A:GLU:HG3	1:231:A:LEU:HD22	3	1.04	0.17	1.02
(1,3533)	1:230:A:GLU:HG3	1:231:A:LEU:HD23	3	1.04	0.17	1.02
(1,1488)	2:292:B:HIS:HE1	2:288:B:LEU:HD21	3	1.03	0.54	1.07
(1,1488)	2:292:B:HIS:HE1	2:288:B:LEU:HD22	3	1.03	0.54	1.07
(1,1488)	2:292:B:HIS:HE1	2:288:B:LEU:HD23	3	1.03	0.54	1.07
(1,1343)	2:268:B:VAL:HG21	1:231:A:LEU:HD11	3	1.02	0.23	1.09
(1,1343)	2:268:B:VAL:HG21	1:231:A:LEU:HD12	3	1.02	0.23	1.09
(1,1343)	2:268:B:VAL:HG21	1:231:A:LEU:HD13	3	1.02	0.23	1.09
(1,1343)	2:268:B:VAL:HG22	1:231:A:LEU:HD11	3	1.02	0.23	1.09
(1,1343)	2:268:B:VAL:HG22	1:231:A:LEU:HD12	3	1.02	0.23	1.09
(1,1343)	2:268:B:VAL:HG22	1:231:A:LEU:HD13	3	1.02	0.23	1.09

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1343)	2:268:B:VAL:HG23	1:231:A:LEU:HD11	3	1.02	0.23	1.09
(1,1343)	2:268:B:VAL:HG23	1:231:A:LEU:HD12	3	1.02	0.23	1.09
(1,1343)	2:268:B:VAL:HG23	1:231:A:LEU:HD13	3	1.02	0.23	1.09
(1,969)	2:290:B:TYR:HB2	2:287:B:LEU:HD11	3	0.95	0.16	0.96
(1,969)	2:290:B:TYR:HB2	2:287:B:LEU:HD12	3	0.95	0.16	0.96
(1,969)	2:290:B:TYR:HB2	2:287:B:LEU:HD13	3	0.95	0.16	0.96
(1,539)	2:217:B:VAL:HG11	2:221:B:ILE:HD11	3	0.92	0.6	0.6
(1,539)	2:217:B:VAL:HG11	2:221:B:ILE:HD12	3	0.92	0.6	0.6
(1,539)	2:217:B:VAL:HG11	2:221:B:ILE:HD13	3	0.92	0.6	0.6
(1,539)	2:217:B:VAL:HG12	2:221:B:ILE:HD11	3	0.92	0.6	0.6
(1,539)	2:217:B:VAL:HG12	2:221:B:ILE:HD12	3	0.92	0.6	0.6
(1,539)	2:217:B:VAL:HG12	2:221:B:ILE:HD13	3	0.92	0.6	0.6
(1,539)	2:217:B:VAL:HG13	2:221:B:ILE:HD11	3	0.92	0.6	0.6
(1,539)	2:217:B:VAL:HG13	2:221:B:ILE:HD12	3	0.92	0.6	0.6
(1,539)	2:217:B:VAL:HG13	2:221:B:ILE:HD13	3	0.92	0.6	0.6
(1,1365)	2:172:B:TRP:HE3	2:169:B:VAL:HG11	3	0.82	0.49	1.06
(1,1365)	2:172:B:TRP:HE3	2:169:B:VAL:HG12	3	0.82	0.49	1.06
(1,1365)	2:172:B:TRP:HE3	2:169:B:VAL:HG13	3	0.82	0.49	1.06
(1,155)	1:210:A:PHE:HE1	2:287:B:LEU:HD11	3	0.78	0.46	0.67
(1,155)	1:210:A:PHE:HE1	2:287:B:LEU:HD12	3	0.78	0.46	0.67
(1,155)	1:210:A:PHE:HE1	2:287:B:LEU:HD13	3	0.78	0.46	0.67
(1,155)	1:210:A:PHE:HE2	2:287:B:LEU:HD11	3	0.78	0.46	0.67
(1,155)	1:210:A:PHE:HE2	2:287:B:LEU:HD12	3	0.78	0.46	0.67
(1,155)	1:210:A:PHE:HE2	2:287:B:LEU:HD13	3	0.78	0.46	0.67
(1,2674)	2:313:B:VAL:HG21	2:313:B:VAL:H	3	0.78	0.0	0.78
(1,2674)	2:313:B:VAL:HG22	2:313:B:VAL:H	3	0.78	0.0	0.78
(1,2674)	2:313:B:VAL:HG23	2:313:B:VAL:H	3	0.78	0.0	0.78
(1,695)	2:245:B:ILE:HB	2:246:B:LEU:HD11	3	0.76	0.12	0.75
(1,695)	2:245:B:ILE:HB	2:246:B:LEU:HD12	3	0.76	0.12	0.75
(1,695)	2:245:B:ILE:HB	2:246:B:LEU:HD13	3	0.76	0.12	0.75
(1,699)	2:254:B:MET:HE1	2:246:B:LEU:HD11	3	0.76	0.02	0.77
(1,699)	2:254:B:MET:HE1	2:246:B:LEU:HD12	3	0.76	0.02	0.77
(1,699)	2:254:B:MET:HE1	2:246:B:LEU:HD13	3	0.76	0.02	0.77
(1,699)	2:254:B:MET:HE2	2:246:B:LEU:HD11	3	0.76	0.02	0.77
(1,699)	2:254:B:MET:HE2	2:246:B:LEU:HD12	3	0.76	0.02	0.77
(1,699)	2:254:B:MET:HE2	2:246:B:LEU:HD13	3	0.76	0.02	0.77
(1,699)	2:254:B:MET:HE3	2:246:B:LEU:HD11	3	0.76	0.02	0.77
(1,699)	2:254:B:MET:HE3	2:246:B:LEU:HD12	3	0.76	0.02	0.77
(1,699)	2:254:B:MET:HE3	2:246:B:LEU:HD13	3	0.76	0.02	0.77
(1,3189)	1:207:A:ARG:HG3	1:211:A:GLU:HG3	3	0.75	0.4	0.67
(1,241)	2:306:B:PHE:HE1	2:164:B:LEU:HD21	3	0.75	0.11	0.83
(1,241)	2:306:B:PHE:HE1	2:164:B:LEU:HD22	3	0.75	0.11	0.83

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,241)	2:306:B:PHE:HE1	2:164:B:LEU:HD23	3	0.75	0.11	0.83
(1,241)	2:306:B:PHE:HE2	2:164:B:LEU:HD21	3	0.75	0.11	0.83
(1,241)	2:306:B:PHE:HE2	2:164:B:LEU:HD22	3	0.75	0.11	0.83
(1,241)	2:306:B:PHE:HE2	2:164:B:LEU:HD23	3	0.75	0.11	0.83
(1,3215)	1:205:A:GLN:HG2	1:206:A:LEU:HD21	3	0.71	0.5	0.55
(1,3215)	1:205:A:GLN:HG2	1:206:A:LEU:HD22	3	0.71	0.5	0.55
(1,3215)	1:205:A:GLN:HG2	1:206:A:LEU:HD23	3	0.71	0.5	0.55
(1,3215)	1:205:A:GLN:HG3	1:206:A:LEU:HD21	3	0.71	0.5	0.55
(1,3215)	1:205:A:GLN:HG3	1:206:A:LEU:HD22	3	0.71	0.5	0.55
(1,3215)	1:205:A:GLN:HG3	1:206:A:LEU:HD23	3	0.71	0.5	0.55
(1,1575)	2:158:B:VAL:HG21	2:158:B:VAL:H	3	0.67	0.01	0.67
(1,1575)	2:158:B:VAL:HG22	2:158:B:VAL:H	3	0.67	0.01	0.67
(1,1575)	2:158:B:VAL:HG23	2:158:B:VAL:H	3	0.67	0.01	0.67
(1,3014)	1:211:A:GLU:HB2	1:208:A:ARG:HD2	3	0.64	0.35	0.86
(1,3014)	1:208:A:ARG:HB3	1:208:A:ARG:HD2	3	0.64	0.35	0.86
(1,3070)	1:202:A:VAL:HA	1:203:A:GLN:HG2	3	0.6	0.07	0.63
(1,3070)	1:202:A:VAL:HA	1:203:A:GLN:HG3	3	0.6	0.07	0.63
(1,551)	2:194:B:LEU:HD11	2:222:B:LYS:HB2	3	0.59	0.1	0.64
(1,551)	2:194:B:LEU:HD12	2:222:B:LYS:HB2	3	0.59	0.1	0.64
(1,551)	2:194:B:LEU:HD13	2:222:B:LYS:HB2	3	0.59	0.1	0.64
(1,3002)	1:211:A:GLU:HG3	1:208:A:ARG:HD2	3	0.57	0.28	0.42
(1,3002)	1:211:A:GLU:HG3	1:207:A:ARG:HD2	3	0.57	0.28	0.42
(1,3002)	1:211:A:GLU:HG3	1:207:A:ARG:HD3	3	0.57	0.28	0.42
(1,151)	1:206:A:LEU:HD11	2:287:B:LEU:HD11	3	0.56	0.46	0.26
(1,151)	1:206:A:LEU:HD11	2:287:B:LEU:HD12	3	0.56	0.46	0.26
(1,151)	1:206:A:LEU:HD11	2:287:B:LEU:HD13	3	0.56	0.46	0.26
(1,151)	1:206:A:LEU:HD12	2:287:B:LEU:HD11	3	0.56	0.46	0.26
(1,151)	1:206:A:LEU:HD12	2:287:B:LEU:HD12	3	0.56	0.46	0.26
(1,151)	1:206:A:LEU:HD12	2:287:B:LEU:HD13	3	0.56	0.46	0.26
(1,151)	1:206:A:LEU:HD13	2:287:B:LEU:HD11	3	0.56	0.46	0.26
(1,151)	1:206:A:LEU:HD13	2:287:B:LEU:HD12	3	0.56	0.46	0.26
(1,151)	1:206:A:LEU:HD13	2:287:B:LEU:HD13	3	0.56	0.46	0.26
(1,1215)	2:287:B:LEU:HA	1:206:A:LEU:HD11	3	0.54	0.43	0.34
(1,1215)	2:287:B:LEU:HA	1:206:A:LEU:HD12	3	0.54	0.43	0.34
(1,1215)	2:287:B:LEU:HA	1:206:A:LEU:HD13	3	0.54	0.43	0.34
(1,696)	2:246:B:LEU:HA	2:246:B:LEU:HD11	3	0.54	0.02	0.53
(1,696)	2:246:B:LEU:HA	2:246:B:LEU:HD12	3	0.54	0.02	0.53
(1,696)	2:246:B:LEU:HA	2:246:B:LEU:HD13	3	0.54	0.02	0.53
(1,3821)	2:291:B:LEU:HD11	2:287:B:LEU:HD21	3	0.54	0.03	0.55
(1,3821)	2:291:B:LEU:HD11	2:287:B:LEU:HD22	3	0.54	0.03	0.55
(1,3821)	2:291:B:LEU:HD11	2:287:B:LEU:HD23	3	0.54	0.03	0.55
(1,3821)	2:291:B:LEU:HD12	2:287:B:LEU:HD21	3	0.54	0.03	0.55

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3821)	2:291:B:LEU:HD12	2:287:B:LEU:HD22	3	0.54	0.03	0.55
(1,3821)	2:291:B:LEU:HD12	2:287:B:LEU:HD23	3	0.54	0.03	0.55
(1,3821)	2:291:B:LEU:HD13	2:287:B:LEU:HD21	3	0.54	0.03	0.55
(1,3821)	2:291:B:LEU:HD13	2:287:B:LEU:HD22	3	0.54	0.03	0.55
(1,3821)	2:291:B:LEU:HD13	2:287:B:LEU:HD23	3	0.54	0.03	0.55
(1,3610)	1:204:A:PRO:HA	2:286:B:LEU:HD21	3	0.54	0.35	0.42
(1,3610)	1:204:A:PRO:HA	2:286:B:LEU:HD22	3	0.54	0.35	0.42
(1,3610)	1:204:A:PRO:HA	2:286:B:LEU:HD23	3	0.54	0.35	0.42
(1,3610)	1:205:A:GLN:HA	2:286:B:LEU:HD21	3	0.54	0.35	0.42
(1,3610)	1:205:A:GLN:HA	2:286:B:LEU:HD22	3	0.54	0.35	0.42
(1,3610)	1:205:A:GLN:HA	2:286:B:LEU:HD23	3	0.54	0.35	0.42
(1,2718)	2:320:B:ARG:HB2	2:320:B:ARG:H	3	0.52	0.02	0.53
(1,51)	1:213:A:LEU:HD11	2:228:B:MET:HE1	3	0.51	0.27	0.46
(1,51)	1:213:A:LEU:HD11	2:228:B:MET:HE2	3	0.51	0.27	0.46
(1,51)	1:213:A:LEU:HD11	2:228:B:MET:HE3	3	0.51	0.27	0.46
(1,51)	1:213:A:LEU:HD12	2:228:B:MET:HE1	3	0.51	0.27	0.46
(1,51)	1:213:A:LEU:HD12	2:228:B:MET:HE2	3	0.51	0.27	0.46
(1,51)	1:213:A:LEU:HD12	2:228:B:MET:HE3	3	0.51	0.27	0.46
(1,51)	1:213:A:LEU:HD13	2:228:B:MET:HE1	3	0.51	0.27	0.46
(1,51)	1:213:A:LEU:HD13	2:228:B:MET:HE2	3	0.51	0.27	0.46
(1,51)	1:213:A:LEU:HD13	2:228:B:MET:HE3	3	0.51	0.27	0.46
(1,3480)	1:231:A:LEU:HD11	1:228:A:PRO:HB2	3	0.47	0.5	0.12
(1,3480)	1:231:A:LEU:HD12	1:228:A:PRO:HB2	3	0.47	0.5	0.12
(1,3480)	1:231:A:LEU:HD13	1:228:A:PRO:HB2	3	0.47	0.5	0.12
(1,3456)	1:231:A:LEU:HB2	1:227:A:LEU:HD21	3	0.47	0.19	0.55
(1,3456)	1:231:A:LEU:HB2	1:227:A:LEU:HD22	3	0.47	0.19	0.55
(1,3456)	1:231:A:LEU:HB2	1:227:A:LEU:HD23	3	0.47	0.19	0.55
(1,1086)	2:183:B:TYR:HD1	2:312:B:GLU:HG2	3	0.45	0.14	0.42
(1,1086)	2:183:B:TYR:HD2	2:312:B:GLU:HG2	3	0.45	0.14	0.42
(1,1086)	2:183:B:TYR:HD1	2:312:B:GLU:HG3	3	0.45	0.14	0.42
(1,1086)	2:183:B:TYR:HD2	2:312:B:GLU:HG3	3	0.45	0.14	0.42
(1,162)	1:213:A:LEU:HD21	2:287:B:LEU:HD21	3	0.44	0.18	0.54
(1,162)	1:213:A:LEU:HD21	2:287:B:LEU:HD22	3	0.44	0.18	0.54
(1,162)	1:213:A:LEU:HD21	2:287:B:LEU:HD23	3	0.44	0.18	0.54
(1,162)	1:213:A:LEU:HD22	2:287:B:LEU:HD21	3	0.44	0.18	0.54
(1,162)	1:213:A:LEU:HD22	2:287:B:LEU:HD22	3	0.44	0.18	0.54
(1,162)	1:213:A:LEU:HD22	2:287:B:LEU:HD23	3	0.44	0.18	0.54
(1,162)	1:213:A:LEU:HD23	2:287:B:LEU:HD21	3	0.44	0.18	0.54
(1,162)	1:213:A:LEU:HD23	2:287:B:LEU:HD22	3	0.44	0.18	0.54
(1,162)	1:213:A:LEU:HD23	2:287:B:LEU:HD23	3	0.44	0.18	0.54
(1,3523)	1:228:A:PRO:HB2	1:231:A:LEU:HD11	3	0.44	0.25	0.32
(1,3523)	1:228:A:PRO:HB2	1:231:A:LEU:HD12	3	0.44	0.25	0.32

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3523)	1:228:A:PRO:HB2	1:231:A:LEU:HD13	3	0.44	0.25	0.32
(1,168)	2:173:B:ASP:HA	2:177:B:ARG:HG2	3	0.42	0.22	0.3
(1,3718)	2:217:B:VAL:HA	2:217:B:VAL:HG11	3	0.42	0.0	0.42
(1,3718)	2:217:B:VAL:HA	2:217:B:VAL:HG12	3	0.42	0.0	0.42
(1,3718)	2:217:B:VAL:HA	2:217:B:VAL:HG13	3	0.42	0.0	0.42
(1,326)	2:184:B:LEU:HD11	2:257:B:VAL:HB	3	0.41	0.14	0.45
(1,326)	2:184:B:LEU:HD12	2:257:B:VAL:HB	3	0.41	0.14	0.45
(1,326)	2:184:B:LEU:HD13	2:257:B:VAL:HB	3	0.41	0.14	0.45
(1,3463)	1:228:A:PRO:HD3	1:227:A:LEU:HD21	3	0.4	0.05	0.37
(1,3463)	1:228:A:PRO:HD3	1:227:A:LEU:HD22	3	0.4	0.05	0.37
(1,3463)	1:228:A:PRO:HD3	1:227:A:LEU:HD23	3	0.4	0.05	0.37
(1,3135)	1:207:A:ARG:HB2	1:207:A:ARG:HD2	3	0.37	0.06	0.4
(1,2725)	2:301:B:ASN:HB2	2:302:B:SER:H	3	0.34	0.07	0.33
(1,2725)	2:320:B:ARG:HB2	2:321:B:LYS:H	3	0.34	0.07	0.33
(1,3790)	2:270:B:ILE:HD11	2:273:B:MET:HE1	3	0.33	0.15	0.3
(1,3790)	2:270:B:ILE:HD11	2:273:B:MET:HE2	3	0.33	0.15	0.3
(1,3790)	2:270:B:ILE:HD11	2:273:B:MET:HE3	3	0.33	0.15	0.3
(1,3790)	2:270:B:ILE:HD12	2:273:B:MET:HE1	3	0.33	0.15	0.3
(1,3790)	2:270:B:ILE:HD12	2:273:B:MET:HE2	3	0.33	0.15	0.3
(1,3790)	2:270:B:ILE:HD12	2:273:B:MET:HE3	3	0.33	0.15	0.3
(1,3790)	2:270:B:ILE:HD13	2:273:B:MET:HE1	3	0.33	0.15	0.3
(1,3790)	2:270:B:ILE:HD13	2:273:B:MET:HE2	3	0.33	0.15	0.3
(1,3790)	2:270:B:ILE:HD13	2:273:B:MET:HE3	3	0.33	0.15	0.3
(1,3790)	2:266:B:LEU:HD11	2:273:B:MET:HE1	3	0.33	0.15	0.3
(1,3790)	2:266:B:LEU:HD11	2:273:B:MET:HE2	3	0.33	0.15	0.3
(1,3790)	2:266:B:LEU:HD11	2:273:B:MET:HE3	3	0.33	0.15	0.3
(1,3790)	2:266:B:LEU:HD12	2:273:B:MET:HE1	3	0.33	0.15	0.3
(1,3790)	2:266:B:LEU:HD12	2:273:B:MET:HE2	3	0.33	0.15	0.3
(1,3790)	2:266:B:LEU:HD12	2:273:B:MET:HE3	3	0.33	0.15	0.3
(1,3790)	2:266:B:LEU:HD13	2:273:B:MET:HE1	3	0.33	0.15	0.3
(1,3790)	2:266:B:LEU:HD13	2:273:B:MET:HE2	3	0.33	0.15	0.3
(1,3790)	2:266:B:LEU:HD13	2:273:B:MET:HE3	3	0.33	0.15	0.3
(1,79)	1:227:A:LEU:HA	2:268:B:VAL:HG21	3	0.33	0.15	0.25
(1,79)	1:227:A:LEU:HA	2:268:B:VAL:HG22	3	0.33	0.15	0.25
(1,79)	1:227:A:LEU:HA	2:268:B:VAL:HG23	3	0.33	0.15	0.25
(1,197)	2:270:B:ILE:HG21	2:158:B:VAL:HG21	3	0.29	0.17	0.2
(1,197)	2:270:B:ILE:HG21	2:158:B:VAL:HG22	3	0.29	0.17	0.2
(1,197)	2:270:B:ILE:HG21	2:158:B:VAL:HG23	3	0.29	0.17	0.2
(1,197)	2:270:B:ILE:HG22	2:158:B:VAL:HG21	3	0.29	0.17	0.2
(1,197)	2:270:B:ILE:HG22	2:158:B:VAL:HG22	3	0.29	0.17	0.2
(1,197)	2:270:B:ILE:HG22	2:158:B:VAL:HG23	3	0.29	0.17	0.2
(1,197)	2:270:B:ILE:HG23	2:158:B:VAL:HG21	3	0.29	0.17	0.2

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,197)	2:270:B:ILE:HG23	2:158:B:VAL:HG22	3	0.29	0.17	0.2
(1,197)	2:270:B:ILE:HG23	2:158:B:VAL:HG23	3	0.29	0.17	0.2
(1,1567)	2:157:B:LYS:HG3	2:157:B:LYS:H	3	0.29	0.06	0.27
(1,1832)	2:195:B:GLU:HG2	2:196:B:ASP:H	3	0.29	0.06	0.25
(1,988)	2:288:B:LEU:HB3	2:288:B:LEU:HD21	3	0.27	0.0	0.27
(1,988)	2:288:B:LEU:HB3	2:288:B:LEU:HD22	3	0.27	0.0	0.27
(1,988)	2:288:B:LEU:HB3	2:288:B:LEU:HD23	3	0.27	0.0	0.27
(1,765)	2:184:B:LEU:HD11	2:257:B:VAL:HG11	3	0.26	0.1	0.33
(1,765)	2:184:B:LEU:HD11	2:257:B:VAL:HG12	3	0.26	0.1	0.33
(1,765)	2:184:B:LEU:HD11	2:257:B:VAL:HG13	3	0.26	0.1	0.33
(1,765)	2:184:B:LEU:HD12	2:257:B:VAL:HG11	3	0.26	0.1	0.33
(1,765)	2:184:B:LEU:HD12	2:257:B:VAL:HG12	3	0.26	0.1	0.33
(1,765)	2:184:B:LEU:HD12	2:257:B:VAL:HG13	3	0.26	0.1	0.33
(1,765)	2:184:B:LEU:HD13	2:257:B:VAL:HG11	3	0.26	0.1	0.33
(1,765)	2:184:B:LEU:HD13	2:257:B:VAL:HG12	3	0.26	0.1	0.33
(1,765)	2:184:B:LEU:HD13	2:257:B:VAL:HG13	3	0.26	0.1	0.33
(1,3903)	2:268:B:VAL:HG21	1:228:A:PRO:HD3	3	0.26	0.09	0.23
(1,3903)	2:268:B:VAL:HG22	1:228:A:PRO:HD3	3	0.26	0.09	0.23
(1,3903)	2:268:B:VAL:HG23	1:228:A:PRO:HD3	3	0.26	0.09	0.23
(1,2987)	1:237:A:LEU:HB2	1:237:A:LEU:H	3	0.26	0.02	0.27
(1,1142)	2:320:B:ARG:HB3	2:320:B:ARG:HD3	3	0.25	0.08	0.22
(1,8)	1:231:A:LEU:HD21	2:168:B:LEU:HD11	3	0.25	0.11	0.2
(1,8)	1:231:A:LEU:HD21	2:168:B:LEU:HD12	3	0.25	0.11	0.2
(1,8)	1:231:A:LEU:HD21	2:168:B:LEU:HD13	3	0.25	0.11	0.2
(1,8)	1:231:A:LEU:HD22	2:168:B:LEU:HD11	3	0.25	0.11	0.2
(1,8)	1:231:A:LEU:HD22	2:168:B:LEU:HD12	3	0.25	0.11	0.2
(1,8)	1:231:A:LEU:HD22	2:168:B:LEU:HD13	3	0.25	0.11	0.2
(1,8)	1:231:A:LEU:HD23	2:168:B:LEU:HD11	3	0.25	0.11	0.2
(1,8)	1:231:A:LEU:HD23	2:168:B:LEU:HD12	3	0.25	0.11	0.2
(1,8)	1:231:A:LEU:HD23	2:168:B:LEU:HD13	3	0.25	0.11	0.2
(1,11)	1:231:A:LEU:HA	2:169:B:VAL:HG21	3	0.25	0.15	0.18
(1,11)	1:231:A:LEU:HA	2:169:B:VAL:HG22	3	0.25	0.15	0.18
(1,11)	1:231:A:LEU:HA	2:169:B:VAL:HG23	3	0.25	0.15	0.18
(1,49)	1:218:A:MET:HA	2:227:B:VAL:HG21	3	0.25	0.02	0.25
(1,49)	1:218:A:MET:HA	2:227:B:VAL:HG22	3	0.25	0.02	0.25
(1,49)	1:218:A:MET:HA	2:227:B:VAL:HG23	3	0.25	0.02	0.25
(1,575)	2:273:B:MET:HG3	2:228:B:MET:HE1	3	0.24	0.05	0.25
(1,575)	2:273:B:MET:HG3	2:228:B:MET:HE2	3	0.24	0.05	0.25
(1,575)	2:273:B:MET:HG3	2:228:B:MET:HE3	3	0.24	0.05	0.25
(1,1789)	2:189:B:ASN:HB3	2:191:B:ASP:H	3	0.24	0.11	0.18
(1,1139)	2:320:B:ARG:HG3	2:320:B:ARG:HA	3	0.22	0.02	0.22
(1,1566)	2:157:B:LYS:HD3	2:157:B:LYS:H	3	0.22	0.05	0.2

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3713)	2:217:B:VAL:HA	2:217:B:VAL:HG11	3	0.22	0.0	0.22
(1,3713)	2:217:B:VAL:HA	2:217:B:VAL:HG12	3	0.22	0.0	0.22
(1,3713)	2:217:B:VAL:HA	2:217:B:VAL:HG13	3	0.22	0.0	0.22
(1,625)	2:239:B:ARG:HD3	2:236:B:LYS:HA	3	0.22	0.07	0.23
(1,3619)	2:218:B:VAL:HA	2:218:B:VAL:HB	3	0.21	0.01	0.2
(1,778)	2:184:B:LEU:HD11	2:258:B:TYR:HA	3	0.21	0.14	0.11
(1,778)	2:184:B:LEU:HD12	2:258:B:TYR:HA	3	0.21	0.14	0.11
(1,778)	2:184:B:LEU:HD13	2:258:B:TYR:HA	3	0.21	0.14	0.11
(1,1957)	2:217:B:VAL:HG21	2:217:B:VAL:H	3	0.2	0.0	0.2
(1,1957)	2:217:B:VAL:HG22	2:217:B:VAL:H	3	0.2	0.0	0.2
(1,1957)	2:217:B:VAL:HG23	2:217:B:VAL:H	3	0.2	0.0	0.2
(1,1010)	2:296:B:LYS:HE2	2:293:B:ASP:HA	3	0.19	0.09	0.15
(1,1547)	2:155:B:GLU:HB2	2:155:B:GLU:H	3	0.19	0.04	0.21
(1,1547)	2:155:B:GLU:HB3	2:155:B:GLU:H	3	0.19	0.04	0.21
(1,1893)	2:201:B:ARG:HB2	2:202:B:LYS:H	3	0.18	0.04	0.16
(1,1893)	2:202:B:LYS:HD2	2:202:B:LYS:H	3	0.18	0.04	0.16
(1,125)	1:212:A:LEU:HD21	2:278:B:PRO:HG2	3	0.18	0.04	0.17
(1,125)	1:212:A:LEU:HD22	2:278:B:PRO:HG2	3	0.18	0.04	0.17
(1,125)	1:212:A:LEU:HD23	2:278:B:PRO:HG2	3	0.18	0.04	0.17
(1,482)	2:201:B:ARG:HA	2:204:B:ARG:HG2	3	0.17	0.03	0.16
(1,1145)	2:320:B:ARG:HB2	2:320:B:ARG:HG2	3	0.17	0.01	0.17
(1,938)	2:284:B:LEU:HA	2:284:B:LEU:HD11	3	0.16	0.01	0.16
(1,938)	2:284:B:LEU:HA	2:284:B:LEU:HD12	3	0.16	0.01	0.16
(1,938)	2:284:B:LEU:HA	2:284:B:LEU:HD13	3	0.16	0.01	0.16
(1,3694)	2:194:B:LEU:HA	2:194:B:LEU:HD11	3	0.16	0.04	0.14
(1,3694)	2:194:B:LEU:HA	2:194:B:LEU:HD12	3	0.16	0.04	0.14
(1,3694)	2:194:B:LEU:HA	2:194:B:LEU:HD13	3	0.16	0.04	0.14
(1,1226)	2:287:B:LEU:HD21	1:206:A:LEU:HD21	3	0.15	0.02	0.15
(1,1226)	2:287:B:LEU:HD21	1:206:A:LEU:HD22	3	0.15	0.02	0.15
(1,1226)	2:287:B:LEU:HD21	1:206:A:LEU:HD23	3	0.15	0.02	0.15
(1,1226)	2:287:B:LEU:HD22	1:206:A:LEU:HD21	3	0.15	0.02	0.15
(1,1226)	2:287:B:LEU:HD22	1:206:A:LEU:HD22	3	0.15	0.02	0.15
(1,1226)	2:287:B:LEU:HD22	1:206:A:LEU:HD23	3	0.15	0.02	0.15
(1,1226)	2:287:B:LEU:HD23	1:206:A:LEU:HD21	3	0.15	0.02	0.15
(1,1226)	2:287:B:LEU:HD23	1:206:A:LEU:HD22	3	0.15	0.02	0.15
(1,1226)	2:287:B:LEU:HD23	1:206:A:LEU:HD23	3	0.15	0.02	0.15
(1,2942)	1:227:A:LEU:HD21	1:227:A:LEU:H	3	0.14	0.02	0.13
(1,2942)	1:227:A:LEU:HD22	1:227:A:LEU:H	3	0.14	0.02	0.13
(1,2942)	1:227:A:LEU:HD23	1:227:A:LEU:H	3	0.14	0.02	0.13
(1,2482)	2:288:B:LEU:HD11	2:288:B:LEU:H	3	0.14	0.02	0.13
(1,2482)	2:288:B:LEU:HD12	2:288:B:LEU:H	3	0.14	0.02	0.13
(1,2482)	2:288:B:LEU:HD13	2:288:B:LEU:H	3	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1045)	2:164:B:LEU:HD21	2:299:B:ALA:HB1	3	0.13	0.02	0.13
(1,1045)	2:164:B:LEU:HD21	2:299:B:ALA:HB2	3	0.13	0.02	0.13
(1,1045)	2:164:B:LEU:HD21	2:299:B:ALA:HB3	3	0.13	0.02	0.13
(1,1045)	2:164:B:LEU:HD22	2:299:B:ALA:HB1	3	0.13	0.02	0.13
(1,1045)	2:164:B:LEU:HD22	2:299:B:ALA:HB2	3	0.13	0.02	0.13
(1,1045)	2:164:B:LEU:HD22	2:299:B:ALA:HB3	3	0.13	0.02	0.13
(1,1045)	2:164:B:LEU:HD23	2:299:B:ALA:HB1	3	0.13	0.02	0.13
(1,1045)	2:164:B:LEU:HD23	2:299:B:ALA:HB2	3	0.13	0.02	0.13
(1,1045)	2:164:B:LEU:HD23	2:299:B:ALA:HB3	3	0.13	0.02	0.13
(1,176)	2:155:B:GLU:HA	2:155:B:GLU:HG2	3	0.13	0.02	0.13
(1,176)	2:155:B:GLU:HA	2:155:B:GLU:HG3	3	0.13	0.02	0.13
(2,25)	1:225:A:PHE:H	1:223:A:THR:H	3	0.12	0.0	0.12
(1,454)	2:201:B:ARG:HD3	2:201:B:ARG:HA	3	0.12	0.01	0.12
(1,1143)	2:320:B:ARG:HB2	2:320:B:ARG:HD2	3	0.12	0.02	0.11
(1,675)	2:257:B:VAL:HG11	2:245:B:ILE:HD11	3	0.11	0.01	0.12
(1,675)	2:257:B:VAL:HG11	2:245:B:ILE:HD12	3	0.11	0.01	0.12
(1,675)	2:257:B:VAL:HG11	2:245:B:ILE:HD13	3	0.11	0.01	0.12
(1,675)	2:257:B:VAL:HG12	2:245:B:ILE:HD11	3	0.11	0.01	0.12
(1,675)	2:257:B:VAL:HG12	2:245:B:ILE:HD12	3	0.11	0.01	0.12
(1,675)	2:257:B:VAL:HG12	2:245:B:ILE:HD13	3	0.11	0.01	0.12
(1,675)	2:257:B:VAL:HG13	2:245:B:ILE:HD11	3	0.11	0.01	0.12
(1,675)	2:257:B:VAL:HG13	2:245:B:ILE:HD12	3	0.11	0.01	0.12
(1,675)	2:257:B:VAL:HG13	2:245:B:ILE:HD13	3	0.11	0.01	0.12
(1,1099)	2:313:B:VAL:HA	2:313:B:VAL:HG11	3	0.11	0.0	0.11
(1,1099)	2:313:B:VAL:HA	2:313:B:VAL:HG12	3	0.11	0.0	0.11
(1,1099)	2:313:B:VAL:HA	2:313:B:VAL:HG13	3	0.11	0.0	0.11
(1,917)	2:281:B:GLU:HG3	2:281:B:GLU:HB2	3	0.11	0.0	0.11
(1,136)	1:212:A:LEU:HD11	2:279:B:LEU:HD21	3	0.11	0.0	0.11
(1,136)	1:212:A:LEU:HD11	2:279:B:LEU:HD22	3	0.11	0.0	0.11
(1,136)	1:212:A:LEU:HD11	2:279:B:LEU:HD23	3	0.11	0.0	0.11
(1,136)	1:212:A:LEU:HD12	2:279:B:LEU:HD21	3	0.11	0.0	0.11
(1,136)	1:212:A:LEU:HD12	2:279:B:LEU:HD22	3	0.11	0.0	0.11
(1,136)	1:212:A:LEU:HD12	2:279:B:LEU:HD23	3	0.11	0.0	0.11
(1,136)	1:212:A:LEU:HD13	2:279:B:LEU:HD21	3	0.11	0.0	0.11
(1,136)	1:212:A:LEU:HD13	2:279:B:LEU:HD22	3	0.11	0.0	0.11
(1,136)	1:212:A:LEU:HD13	2:279:B:LEU:HD23	3	0.11	0.0	0.11
(1,428)	2:190:B:VAL:HG11	2:194:B:LEU:HD11	2	1.72	0.18	1.72
(1,428)	2:190:B:VAL:HG11	2:194:B:LEU:HD12	2	1.72	0.18	1.72
(1,428)	2:190:B:VAL:HG11	2:194:B:LEU:HD13	2	1.72	0.18	1.72
(1,428)	2:190:B:VAL:HG12	2:194:B:LEU:HD11	2	1.72	0.18	1.72
(1,428)	2:190:B:VAL:HG12	2:194:B:LEU:HD12	2	1.72	0.18	1.72
(1,428)	2:190:B:VAL:HG12	2:194:B:LEU:HD13	2	1.72	0.18	1.72

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,428)	2:190:B:VAL:HG13	2:194:B:LEU:HD11	2	1.72	0.18	1.72
(1,428)	2:190:B:VAL:HG13	2:194:B:LEU:HD12	2	1.72	0.18	1.72
(1,428)	2:190:B:VAL:HG13	2:194:B:LEU:HD13	2	1.72	0.18	1.72
(1,225)	2:295:B:LEU:HD21	2:160:B:ILE:HG21	2	1.44	0.16	1.44
(1,225)	2:295:B:LEU:HD21	2:160:B:ILE:HG22	2	1.44	0.16	1.44
(1,225)	2:295:B:LEU:HD21	2:160:B:ILE:HG23	2	1.44	0.16	1.44
(1,225)	2:295:B:LEU:HD22	2:160:B:ILE:HG21	2	1.44	0.16	1.44
(1,225)	2:295:B:LEU:HD22	2:160:B:ILE:HG22	2	1.44	0.16	1.44
(1,225)	2:295:B:LEU:HD22	2:160:B:ILE:HG23	2	1.44	0.16	1.44
(1,225)	2:295:B:LEU:HD23	2:160:B:ILE:HG21	2	1.44	0.16	1.44
(1,225)	2:295:B:LEU:HD23	2:160:B:ILE:HG22	2	1.44	0.16	1.44
(1,225)	2:295:B:LEU:HD23	2:160:B:ILE:HG23	2	1.44	0.16	1.44
(1,636)	2:234:B:LEU:HD21	2:239:B:ARG:HD3	2	1.37	0.51	1.37
(1,636)	2:234:B:LEU:HD22	2:239:B:ARG:HD3	2	1.37	0.51	1.37
(1,636)	2:234:B:LEU:HD23	2:239:B:ARG:HD3	2	1.37	0.51	1.37
(1,1006)	2:295:B:LEU:HD11	2:292:B:HIS:HA	2	1.27	0.26	1.27
(1,1006)	2:295:B:LEU:HD12	2:292:B:HIS:HA	2	1.27	0.26	1.27
(1,1006)	2:295:B:LEU:HD13	2:292:B:HIS:HA	2	1.27	0.26	1.27
(1,1412)	2:225:B:PHE:HD1	2:255:B:SER:HB3	2	1.21	0.32	1.21
(1,1412)	2:225:B:PHE:HD2	2:255:B:SER:HB3	2	1.21	0.32	1.21
(1,1214)	2:286:B:LEU:HG	1:206:A:LEU:HD11	2	1.17	0.03	1.17
(1,1214)	2:286:B:LEU:HG	1:206:A:LEU:HD12	2	1.17	0.03	1.17
(1,1214)	2:286:B:LEU:HG	1:206:A:LEU:HD13	2	1.17	0.03	1.17
(1,3383)	1:221:A:ASN:HB3	1:222:A:PRO:HD2	2	1.07	0.02	1.07
(1,3659)	2:258:B:TYR:HA	2:184:B:LEU:HD11	2	0.98	0.42	0.98
(1,3659)	2:258:B:TYR:HA	2:184:B:LEU:HD12	2	0.98	0.42	0.98
(1,3659)	2:258:B:TYR:HA	2:184:B:LEU:HD13	2	0.98	0.42	0.98
(1,3659)	2:185:B:PRO:HA	2:184:B:LEU:HD11	2	0.98	0.42	0.98
(1,3659)	2:185:B:PRO:HA	2:184:B:LEU:HD12	2	0.98	0.42	0.98
(1,3659)	2:185:B:PRO:HA	2:184:B:LEU:HD13	2	0.98	0.42	0.98
(1,1753)	2:184:B:LEU:HD11	2:186:B:ALA:H	2	0.94	0.84	0.94
(1,1753)	2:184:B:LEU:HD12	2:186:B:ALA:H	2	0.94	0.84	0.94
(1,1753)	2:184:B:LEU:HD13	2:186:B:ALA:H	2	0.94	0.84	0.94
(1,247)	2:172:B:TRP:HZ3	2:169:B:VAL:HG11	2	0.9	0.12	0.9
(1,247)	2:172:B:TRP:HZ3	2:169:B:VAL:HG12	2	0.9	0.12	0.9
(1,247)	2:172:B:TRP:HZ3	2:169:B:VAL:HG13	2	0.9	0.12	0.9
(1,766)	2:252:B:ALA:HB1	2:257:B:VAL:HG11	2	0.82	0.08	0.82
(1,766)	2:252:B:ALA:HB1	2:257:B:VAL:HG12	2	0.82	0.08	0.82
(1,766)	2:252:B:ALA:HB1	2:257:B:VAL:HG13	2	0.82	0.08	0.82
(1,766)	2:252:B:ALA:HB2	2:257:B:VAL:HG11	2	0.82	0.08	0.82
(1,766)	2:252:B:ALA:HB2	2:257:B:VAL:HG12	2	0.82	0.08	0.82
(1,766)	2:252:B:ALA:HB2	2:257:B:VAL:HG13	2	0.82	0.08	0.82

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,766)	2:252:B:ALA:HB3	2:257:B:VAL:HG11	2	0.82	0.08	0.82
(1,766)	2:252:B:ALA:HB3	2:257:B:VAL:HG12	2	0.82	0.08	0.82
(1,766)	2:252:B:ALA:HB3	2:257:B:VAL:HG13	2	0.82	0.08	0.82
(1,2424)	2:282:B:LYS:HG3	2:282:B:LYS:H	2	0.78	0.15	0.78
(1,435)	2:190:B:VAL:HG11	2:194:B:LEU:HD21	2	0.77	0.04	0.77
(1,435)	2:190:B:VAL:HG11	2:194:B:LEU:HD22	2	0.77	0.04	0.77
(1,435)	2:190:B:VAL:HG11	2:194:B:LEU:HD23	2	0.77	0.04	0.77
(1,435)	2:190:B:VAL:HG12	2:194:B:LEU:HD21	2	0.77	0.04	0.77
(1,435)	2:190:B:VAL:HG12	2:194:B:LEU:HD22	2	0.77	0.04	0.77
(1,435)	2:190:B:VAL:HG12	2:194:B:LEU:HD23	2	0.77	0.04	0.77
(1,435)	2:190:B:VAL:HG13	2:194:B:LEU:HD21	2	0.77	0.04	0.77
(1,435)	2:190:B:VAL:HG13	2:194:B:LEU:HD22	2	0.77	0.04	0.77
(1,435)	2:190:B:VAL:HG13	2:194:B:LEU:HD23	2	0.77	0.04	0.77
(1,981)	2:285:B:ALA:HA	2:288:B:LEU:HD11	2	0.76	0.22	0.76
(1,981)	2:285:B:ALA:HA	2:288:B:LEU:HD12	2	0.76	0.22	0.76
(1,981)	2:285:B:ALA:HA	2:288:B:LEU:HD13	2	0.76	0.22	0.76
(1,3820)	2:287:B:LEU:HA	2:287:B:LEU:HD11	2	0.76	0.02	0.76
(1,3820)	2:287:B:LEU:HA	2:287:B:LEU:HD12	2	0.76	0.02	0.76
(1,3820)	2:287:B:LEU:HA	2:287:B:LEU:HD13	2	0.76	0.02	0.76
(1,406)	2:263:B:LEU:HD21	2:190:B:VAL:HG11	2	0.74	0.03	0.74
(1,406)	2:263:B:LEU:HD21	2:190:B:VAL:HG12	2	0.74	0.03	0.74
(1,406)	2:263:B:LEU:HD21	2:190:B:VAL:HG13	2	0.74	0.03	0.74
(1,406)	2:263:B:LEU:HD22	2:190:B:VAL:HG11	2	0.74	0.03	0.74
(1,406)	2:263:B:LEU:HD22	2:190:B:VAL:HG12	2	0.74	0.03	0.74
(1,406)	2:263:B:LEU:HD22	2:190:B:VAL:HG13	2	0.74	0.03	0.74
(1,406)	2:263:B:LEU:HD23	2:190:B:VAL:HG11	2	0.74	0.03	0.74
(1,406)	2:263:B:LEU:HD23	2:190:B:VAL:HG12	2	0.74	0.03	0.74
(1,406)	2:263:B:LEU:HD23	2:190:B:VAL:HG13	2	0.74	0.03	0.74
(1,942)	2:279:B:LEU:HB2	2:284:B:LEU:HD21	2	0.73	0.09	0.73
(1,942)	2:279:B:LEU:HB2	2:284:B:LEU:HD22	2	0.73	0.09	0.73
(1,942)	2:279:B:LEU:HB2	2:284:B:LEU:HD23	2	0.73	0.09	0.73
(1,3905)	2:168:B:LEU:HD11	1:228:A:PRO:HG2	2	0.72	0.5	0.72
(1,3905)	2:168:B:LEU:HD12	1:228:A:PRO:HG2	2	0.72	0.5	0.72
(1,3905)	2:168:B:LEU:HD13	1:228:A:PRO:HG2	2	0.72	0.5	0.72
(1,3905)	2:286:B:LEU:HD11	1:204:A:PRO:HG2	2	0.72	0.5	0.72
(1,3905)	2:286:B:LEU:HD12	1:204:A:PRO:HG2	2	0.72	0.5	0.72
(1,3905)	2:286:B:LEU:HD13	1:204:A:PRO:HG2	2	0.72	0.5	0.72
(1,1569)	2:288:B:LEU:HD21	2:157:B:LYS:H	2	0.7	0.06	0.7
(1,1569)	2:288:B:LEU:HD22	2:157:B:LYS:H	2	0.7	0.06	0.7
(1,1569)	2:288:B:LEU:HD23	2:157:B:LYS:H	2	0.7	0.06	0.7
(1,571)	2:233:B:LEU:HD21	2:228:B:MET:HE1	2	0.7	0.03	0.7
(1,571)	2:233:B:LEU:HD21	2:228:B:MET:HE2	2	0.7	0.03	0.7

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,571)	2:233:B:LEU:HD21	2:228:B:MET:HE3	2	0.7	0.03	0.7
(1,571)	2:233:B:LEU:HD22	2:228:B:MET:HE1	2	0.7	0.03	0.7
(1,571)	2:233:B:LEU:HD22	2:228:B:MET:HE2	2	0.7	0.03	0.7
(1,571)	2:233:B:LEU:HD22	2:228:B:MET:HE3	2	0.7	0.03	0.7
(1,571)	2:233:B:LEU:HD23	2:228:B:MET:HE1	2	0.7	0.03	0.7
(1,571)	2:233:B:LEU:HD23	2:228:B:MET:HE2	2	0.7	0.03	0.7
(1,571)	2:233:B:LEU:HD23	2:228:B:MET:HE3	2	0.7	0.03	0.7
(1,3684)	2:193:B:ILE:HB	2:190:B:VAL:HG11	2	0.69	0.16	0.69
(1,3684)	2:193:B:ILE:HB	2:190:B:VAL:HG12	2	0.69	0.16	0.69
(1,3684)	2:193:B:ILE:HB	2:190:B:VAL:HG13	2	0.69	0.16	0.69
(1,1320)	2:236:B:LYS:HB3	1:224:A:GLN:HG2	2	0.67	0.1	0.67
(1,1015)	2:160:B:ILE:HD11	2:295:B:LEU:HD21	2	0.64	0.24	0.64
(1,1015)	2:160:B:ILE:HD11	2:295:B:LEU:HD22	2	0.64	0.24	0.64
(1,1015)	2:160:B:ILE:HD11	2:295:B:LEU:HD23	2	0.64	0.24	0.64
(1,1015)	2:160:B:ILE:HD12	2:295:B:LEU:HD21	2	0.64	0.24	0.64
(1,1015)	2:160:B:ILE:HD12	2:295:B:LEU:HD22	2	0.64	0.24	0.64
(1,1015)	2:160:B:ILE:HD12	2:295:B:LEU:HD23	2	0.64	0.24	0.64
(1,1015)	2:160:B:ILE:HD13	2:295:B:LEU:HD21	2	0.64	0.24	0.64
(1,1015)	2:160:B:ILE:HD13	2:295:B:LEU:HD22	2	0.64	0.24	0.64
(1,1015)	2:160:B:ILE:HD13	2:295:B:LEU:HD23	2	0.64	0.24	0.64
(1,2874)	1:219:A:GLU:HB2	1:219:A:GLU:H	2	0.64	0.01	0.64
(1,1377)	2:182:B:PHE:HE1	2:184:B:LEU:HD11	2	0.6	0.36	0.6
(1,1377)	2:182:B:PHE:HE1	2:184:B:LEU:HD12	2	0.6	0.36	0.6
(1,1377)	2:182:B:PHE:HE1	2:184:B:LEU:HD13	2	0.6	0.36	0.6
(1,1377)	2:182:B:PHE:HE2	2:184:B:LEU:HD11	2	0.6	0.36	0.6
(1,1377)	2:182:B:PHE:HE2	2:184:B:LEU:HD12	2	0.6	0.36	0.6
(1,1377)	2:182:B:PHE:HE2	2:184:B:LEU:HD13	2	0.6	0.36	0.6
(1,3692)	2:305:B:LEU:HB2	2:193:B:ILE:HD11	2	0.59	0.07	0.59
(1,3692)	2:305:B:LEU:HB2	2:193:B:ILE:HD12	2	0.59	0.07	0.59
(1,3692)	2:305:B:LEU:HB2	2:193:B:ILE:HD13	2	0.59	0.07	0.59
(1,3484)	1:231:A:LEU:HD11	1:228:A:PRO:HD2	2	0.54	0.42	0.54
(1,3484)	1:231:A:LEU:HD12	1:228:A:PRO:HD2	2	0.54	0.42	0.54
(1,3484)	1:231:A:LEU:HD13	1:228:A:PRO:HD2	2	0.54	0.42	0.54
(1,2088)	2:229:B:LEU:HD21	2:234:B:LEU:H	2	0.53	0.43	0.53
(1,2088)	2:229:B:LEU:HD22	2:234:B:LEU:H	2	0.53	0.43	0.53
(1,2088)	2:229:B:LEU:HD23	2:234:B:LEU:H	2	0.53	0.43	0.53
(1,2767)	1:203:A:GLN:HG3	1:203:A:GLN:H	2	0.52	0.01	0.52
(1,3104)	1:209:A:PRO:HD3	1:205:A:GLN:HG2	2	0.48	0.14	0.48
(1,3104)	1:209:A:PRO:HD3	1:205:A:GLN:HG3	2	0.48	0.14	0.48
(1,1590)	2:162:B:GLU:HG3	2:162:B:GLU:H	2	0.46	0.01	0.46
(1,1590)	2:162:B:GLU:HG2	2:162:B:GLU:H	2	0.46	0.01	0.46
(1,3658)	2:182:B:PHE:HD1	2:184:B:LEU:HD11	2	0.46	0.16	0.46

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3658)	2:182:B:PHE:HD1	2:184:B:LEU:HD12	2	0.46	0.16	0.46
(1,3658)	2:182:B:PHE:HD1	2:184:B:LEU:HD13	2	0.46	0.16	0.46
(1,3658)	2:182:B:PHE:HD2	2:184:B:LEU:HD11	2	0.46	0.16	0.46
(1,3658)	2:182:B:PHE:HD2	2:184:B:LEU:HD12	2	0.46	0.16	0.46
(1,3658)	2:182:B:PHE:HD2	2:184:B:LEU:HD13	2	0.46	0.16	0.46
(1,1339)	2:165:B:LYS:HG3	1:231:A:LEU:HD11	2	0.45	0.07	0.45
(1,1339)	2:165:B:LYS:HG3	1:231:A:LEU:HD12	2	0.45	0.07	0.45
(1,1339)	2:165:B:LYS:HG3	1:231:A:LEU:HD13	2	0.45	0.07	0.45
(1,352)	2:241:B:GLN:HG3	2:184:B:LEU:HD21	2	0.43	0.18	0.43
(1,352)	2:241:B:GLN:HG3	2:184:B:LEU:HD22	2	0.43	0.18	0.43
(1,352)	2:241:B:GLN:HG3	2:184:B:LEU:HD23	2	0.43	0.18	0.43
(1,2245)	2:252:B:ALA:HB1	2:256:B:GLN:HE21	2	0.42	0.0	0.42
(1,2245)	2:252:B:ALA:HB2	2:256:B:GLN:HE21	2	0.42	0.0	0.42
(1,2245)	2:252:B:ALA:HB3	2:256:B:GLN:HE21	2	0.42	0.0	0.42
(1,2260)	2:257:B:VAL:HG11	2:257:B:VAL:H	2	0.42	0.01	0.42
(1,2260)	2:257:B:VAL:HG12	2:257:B:VAL:H	2	0.42	0.01	0.42
(1,2260)	2:257:B:VAL:HG13	2:257:B:VAL:H	2	0.42	0.01	0.42
(1,337)	2:241:B:GLN:HG2	2:181:B:LEU:HD21	2	0.41	0.07	0.41
(1,337)	2:241:B:GLN:HG2	2:181:B:LEU:HD22	2	0.41	0.07	0.41
(1,337)	2:241:B:GLN:HG2	2:181:B:LEU:HD23	2	0.41	0.07	0.41
(1,337)	2:241:B:GLN:HG3	2:181:B:LEU:HD21	2	0.41	0.07	0.41
(1,337)	2:241:B:GLN:HG3	2:181:B:LEU:HD22	2	0.41	0.07	0.41
(1,337)	2:241:B:GLN:HG3	2:181:B:LEU:HD23	2	0.41	0.07	0.41
(1,3048)	1:203:A:GLN:HG2	1:202:A:VAL:HG21	2	0.41	0.03	0.41
(1,3048)	1:203:A:GLN:HG2	1:202:A:VAL:HG22	2	0.41	0.03	0.41
(1,3048)	1:203:A:GLN:HG2	1:202:A:VAL:HG23	2	0.41	0.03	0.41
(1,245)	2:268:B:VAL:HG11	2:168:B:LEU:HD21	2	0.4	0.2	0.4
(1,245)	2:268:B:VAL:HG11	2:168:B:LEU:HD22	2	0.4	0.2	0.4
(1,245)	2:268:B:VAL:HG11	2:168:B:LEU:HD23	2	0.4	0.2	0.4
(1,245)	2:268:B:VAL:HG12	2:168:B:LEU:HD21	2	0.4	0.2	0.4
(1,245)	2:268:B:VAL:HG12	2:168:B:LEU:HD22	2	0.4	0.2	0.4
(1,245)	2:268:B:VAL:HG12	2:168:B:LEU:HD23	2	0.4	0.2	0.4
(1,245)	2:268:B:VAL:HG13	2:168:B:LEU:HD21	2	0.4	0.2	0.4
(1,245)	2:268:B:VAL:HG13	2:168:B:LEU:HD22	2	0.4	0.2	0.4
(1,245)	2:268:B:VAL:HG13	2:168:B:LEU:HD23	2	0.4	0.2	0.4
(1,3695)	2:219:B:ALA:HA	2:194:B:LEU:HD11	2	0.4	0.16	0.4
(1,3695)	2:219:B:ALA:HA	2:194:B:LEU:HD12	2	0.4	0.16	0.4
(1,3695)	2:219:B:ALA:HA	2:194:B:LEU:HD13	2	0.4	0.16	0.4
(1,3939)	2:237:B:PHE:HE1	2:175:B:ILE:HG21	2	0.4	0.15	0.4
(1,3939)	2:237:B:PHE:HE1	2:175:B:ILE:HG22	2	0.4	0.15	0.4
(1,3939)	2:237:B:PHE:HE1	2:175:B:ILE:HG23	2	0.4	0.15	0.4
(1,3939)	2:237:B:PHE:HE2	2:175:B:ILE:HG21	2	0.4	0.15	0.4

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3939)	2:237:B:PHE:HE2	2:175:B:ILE:HG22	2	0.4	0.15	0.4
(1,3939)	2:237:B:PHE:HE2	2:175:B:ILE:HG23	2	0.4	0.15	0.4
(1,3289)	1:220:A:ARG:HD3	1:217:A:ALA:HB1	2	0.39	0.07	0.39
(1,3289)	1:220:A:ARG:HD3	1:217:A:ALA:HB2	2	0.39	0.07	0.39
(1,3289)	1:220:A:ARG:HD3	1:217:A:ALA:HB3	2	0.39	0.07	0.39
(1,3289)	1:220:A:ARG:HD2	1:217:A:ALA:HB1	2	0.39	0.07	0.39
(1,3289)	1:220:A:ARG:HD2	1:217:A:ALA:HB2	2	0.39	0.07	0.39
(1,3289)	1:220:A:ARG:HD2	1:217:A:ALA:HB3	2	0.39	0.07	0.39
(1,3117)	1:209:A:PRO:HD2	1:206:A:LEU:HD11	2	0.38	0.02	0.38
(1,3117)	1:209:A:PRO:HD2	1:206:A:LEU:HD12	2	0.38	0.02	0.38
(1,3117)	1:209:A:PRO:HD2	1:206:A:LEU:HD13	2	0.38	0.02	0.38
(1,3897)	2:268:B:VAL:HG21	1:227:A:LEU:HD11	2	0.38	0.06	0.38
(1,3897)	2:268:B:VAL:HG21	1:227:A:LEU:HD12	2	0.38	0.06	0.38
(1,3897)	2:268:B:VAL:HG21	1:227:A:LEU:HD13	2	0.38	0.06	0.38
(1,3897)	2:268:B:VAL:HG22	1:227:A:LEU:HD11	2	0.38	0.06	0.38
(1,3897)	2:268:B:VAL:HG22	1:227:A:LEU:HD12	2	0.38	0.06	0.38
(1,3897)	2:268:B:VAL:HG22	1:227:A:LEU:HD13	2	0.38	0.06	0.38
(1,3897)	2:268:B:VAL:HG23	1:227:A:LEU:HD11	2	0.38	0.06	0.38
(1,3897)	2:268:B:VAL:HG23	1:227:A:LEU:HD12	2	0.38	0.06	0.38
(1,3897)	2:268:B:VAL:HG23	1:227:A:LEU:HD13	2	0.38	0.06	0.38
(1,444)	2:202:B:LYS:HE3	2:198:B:ALA:HB1	2	0.37	0.06	0.37
(1,444)	2:202:B:LYS:HE3	2:198:B:ALA:HB2	2	0.37	0.06	0.37
(1,444)	2:202:B:LYS:HE3	2:198:B:ALA:HB3	2	0.37	0.06	0.37
(1,2511)	2:287:B:LEU:HD11	2:291:B:LEU:H	2	0.36	0.1	0.36
(1,2511)	2:287:B:LEU:HD12	2:291:B:LEU:H	2	0.36	0.1	0.36
(1,2511)	2:287:B:LEU:HD13	2:291:B:LEU:H	2	0.36	0.1	0.36
(1,497)	2:211:B:GLU:HG3	2:211:B:GLU:HA	2	0.36	0.01	0.36
(1,12)	1:231:A:LEU:HB2	2:169:B:VAL:HG21	2	0.35	0.23	0.35
(1,12)	1:231:A:LEU:HB2	2:169:B:VAL:HG22	2	0.35	0.23	0.35
(1,12)	1:231:A:LEU:HB2	2:169:B:VAL:HG23	2	0.35	0.23	0.35
(1,62)	1:225:A:PHE:HZ	2:233:B:LEU:HD21	2	0.34	0.06	0.34
(1,62)	1:225:A:PHE:HZ	2:233:B:LEU:HD22	2	0.34	0.06	0.34
(1,62)	1:225:A:PHE:HZ	2:233:B:LEU:HD23	2	0.34	0.06	0.34
(1,3688)	2:221:B:ILE:HG21	2:190:B:VAL:HG21	2	0.34	0.18	0.34
(1,3688)	2:221:B:ILE:HG21	2:190:B:VAL:HG22	2	0.34	0.18	0.34
(1,3688)	2:221:B:ILE:HG21	2:190:B:VAL:HG23	2	0.34	0.18	0.34
(1,3688)	2:221:B:ILE:HG22	2:190:B:VAL:HG21	2	0.34	0.18	0.34
(1,3688)	2:221:B:ILE:HG22	2:190:B:VAL:HG22	2	0.34	0.18	0.34
(1,3688)	2:221:B:ILE:HG22	2:190:B:VAL:HG23	2	0.34	0.18	0.34
(1,3688)	2:221:B:ILE:HG23	2:190:B:VAL:HG21	2	0.34	0.18	0.34
(1,3688)	2:221:B:ILE:HG23	2:190:B:VAL:HG22	2	0.34	0.18	0.34
(1,3688)	2:221:B:ILE:HG23	2:190:B:VAL:HG23	2	0.34	0.18	0.34

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3944)	2:242:B:TYR:HE1	2:234:B:LEU:HD21	2	0.33	0.13	0.33
(1,3944)	2:242:B:TYR:HE1	2:234:B:LEU:HD22	2	0.33	0.13	0.33
(1,3944)	2:242:B:TYR:HE1	2:234:B:LEU:HD23	2	0.33	0.13	0.33
(1,3944)	2:242:B:TYR:HE2	2:234:B:LEU:HD21	2	0.33	0.13	0.33
(1,3944)	2:242:B:TYR:HE2	2:234:B:LEU:HD22	2	0.33	0.13	0.33
(1,3944)	2:242:B:TYR:HE2	2:234:B:LEU:HD23	2	0.33	0.13	0.33
(1,3114)	1:228:A:PRO:HD3	1:231:A:LEU:HD21	2	0.32	0.11	0.32
(1,3114)	1:228:A:PRO:HD3	1:231:A:LEU:HD22	2	0.32	0.11	0.32
(1,3114)	1:228:A:PRO:HD3	1:231:A:LEU:HD23	2	0.32	0.11	0.32
(1,1207)	2:286:B:LEU:HD11	1:203:A:GLN:HG3	2	0.32	0.16	0.32
(1,1207)	2:286:B:LEU:HD12	1:203:A:GLN:HG3	2	0.32	0.16	0.32
(1,1207)	2:286:B:LEU:HD13	1:203:A:GLN:HG3	2	0.32	0.16	0.32
(1,2891)	1:220:A:ARG:HG2	1:220:A:ARG:H	2	0.32	0.2	0.32
(1,3069)	1:201:A:TYR:HE1	1:203:A:GLN:HG2	2	0.32	0.03	0.32
(1,3069)	1:201:A:TYR:HE2	1:203:A:GLN:HG2	2	0.32	0.03	0.32
(1,1206)	2:213:B:ALA:HB1	1:203:A:GLN:HG3	2	0.31	0.03	0.31
(1,1206)	2:213:B:ALA:HB2	1:203:A:GLN:HG3	2	0.31	0.03	0.31
(1,1206)	2:213:B:ALA:HB3	1:203:A:GLN:HG3	2	0.31	0.03	0.31
(1,1791)	2:190:B:VAL:HB	2:191:B:ASP:H	2	0.31	0.01	0.31
(1,3326)	1:219:A:GLU:HG2	1:219:A:GLU:HA	2	0.31	0.13	0.31
(1,2647)	2:307:B:SER:HB3	2:309:B:SER:H	2	0.3	0.19	0.3
(1,3687)	2:193:B:ILE:HB	2:190:B:VAL:HG11	2	0.29	0.16	0.29
(1,3687)	2:193:B:ILE:HB	2:190:B:VAL:HG12	2	0.29	0.16	0.29
(1,3687)	2:193:B:ILE:HB	2:190:B:VAL:HG13	2	0.29	0.16	0.29
(1,1306)	2:231:B:THR:HA	1:222:A:PRO:HG3	2	0.29	0.0	0.29
(1,2476)	2:287:B:LEU:HB2	2:288:B:LEU:H	2	0.29	0.1	0.29
(1,1423)	2:237:B:PHE:HD1	2:181:B:LEU:HD11	2	0.28	0.04	0.28
(1,1423)	2:237:B:PHE:HD1	2:181:B:LEU:HD12	2	0.28	0.04	0.28
(1,1423)	2:237:B:PHE:HD1	2:181:B:LEU:HD13	2	0.28	0.04	0.28
(1,1423)	2:237:B:PHE:HD2	2:181:B:LEU:HD11	2	0.28	0.04	0.28
(1,1423)	2:237:B:PHE:HD2	2:181:B:LEU:HD12	2	0.28	0.04	0.28
(1,1423)	2:237:B:PHE:HD2	2:181:B:LEU:HD13	2	0.28	0.04	0.28
(1,2673)	2:312:B:GLU:HG3	2:312:B:GLU:H	2	0.28	0.07	0.28
(1,3980)	2:306:B:PHE:HZ	2:260:B:ALA:HB1	2	0.28	0.07	0.28
(1,3980)	2:306:B:PHE:HZ	2:260:B:ALA:HB2	2	0.28	0.07	0.28
(1,3980)	2:306:B:PHE:HZ	2:260:B:ALA:HB3	2	0.28	0.07	0.28
(1,3980)	2:212:B:TYR:HE1	2:286:B:LEU:HD21	2	0.28	0.07	0.28
(1,3980)	2:212:B:TYR:HE1	2:286:B:LEU:HD22	2	0.28	0.07	0.28
(1,3980)	2:212:B:TYR:HE1	2:286:B:LEU:HD23	2	0.28	0.07	0.28
(1,3980)	2:212:B:TYR:HE2	2:286:B:LEU:HD21	2	0.28	0.07	0.28
(1,3980)	2:212:B:TYR:HE2	2:286:B:LEU:HD22	2	0.28	0.07	0.28
(1,3980)	2:212:B:TYR:HE2	2:286:B:LEU:HD23	2	0.28	0.07	0.28

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,915)	2:281:B:GLU:HA	2:281:B:GLU:HG2	2	0.27	0.09	0.27
(1,3283)	1:213:A:LEU:HD11	1:216:A:ALA:HB1	2	0.27	0.05	0.27
(1,3283)	1:213:A:LEU:HD11	1:216:A:ALA:HB2	2	0.27	0.05	0.27
(1,3283)	1:213:A:LEU:HD11	1:216:A:ALA:HB3	2	0.27	0.05	0.27
(1,3283)	1:213:A:LEU:HD12	1:216:A:ALA:HB1	2	0.27	0.05	0.27
(1,3283)	1:213:A:LEU:HD12	1:216:A:ALA:HB2	2	0.27	0.05	0.27
(1,3283)	1:213:A:LEU:HD12	1:216:A:ALA:HB3	2	0.27	0.05	0.27
(1,3283)	1:213:A:LEU:HD13	1:216:A:ALA:HB1	2	0.27	0.05	0.27
(1,3283)	1:213:A:LEU:HD13	1:216:A:ALA:HB2	2	0.27	0.05	0.27
(1,3283)	1:213:A:LEU:HD13	1:216:A:ALA:HB3	2	0.27	0.05	0.27
(1,3629)	2:271:B:GLY:HA3	2:156:B:VAL:HG11	2	0.27	0.0	0.27
(1,3629)	2:271:B:GLY:HA3	2:156:B:VAL:HG12	2	0.27	0.0	0.27
(1,3629)	2:271:B:GLY:HA3	2:156:B:VAL:HG13	2	0.27	0.0	0.27
(1,3629)	2:271:B:GLY:HA3	2:158:B:VAL:HG11	2	0.27	0.0	0.27
(1,3629)	2:271:B:GLY:HA3	2:158:B:VAL:HG12	2	0.27	0.0	0.27
(1,3629)	2:271:B:GLY:HA3	2:158:B:VAL:HG13	2	0.27	0.0	0.27
(1,3759)	2:242:B:TYR:HA	2:246:B:LEU:HD11	2	0.27	0.02	0.27
(1,3759)	2:242:B:TYR:HA	2:246:B:LEU:HD12	2	0.27	0.02	0.27
(1,3759)	2:242:B:TYR:HA	2:246:B:LEU:HD13	2	0.27	0.02	0.27
(1,3759)	2:290:B:TYR:HA	2:217:B:VAL:HG21	2	0.27	0.02	0.27
(1,3759)	2:290:B:TYR:HA	2:217:B:VAL:HG22	2	0.27	0.02	0.27
(1,3759)	2:290:B:TYR:HA	2:217:B:VAL:HG23	2	0.27	0.02	0.27
(1,2239)	2:226:B:ASN:HD22	2:255:B:SER:H	2	0.26	0.06	0.26
(1,383)	2:188:B:LYS:HA	2:188:B:LYS:HD3	2	0.25	0.14	0.25
(1,1549)	2:156:B:VAL:HG11	2:155:B:GLU:H	2	0.24	0.1	0.24
(1,1549)	2:156:B:VAL:HG12	2:155:B:GLU:H	2	0.24	0.1	0.24
(1,1549)	2:156:B:VAL:HG13	2:155:B:GLU:H	2	0.24	0.1	0.24
(1,2262)	2:258:B:TYR:H	2:257:B:VAL:H	2	0.24	0.04	0.24
(1,1598)	2:163:B:GLU:HB2	2:163:B:GLU:H	2	0.24	0.02	0.24
(1,3068)	1:201:A:TYR:HD1	1:203:A:GLN:HG3	2	0.24	0.1	0.24
(1,3068)	1:201:A:TYR:HD2	1:203:A:GLN:HG3	2	0.24	0.1	0.24
(1,3950)	2:267:B:PHE:HD1	2:158:B:VAL:HG21	2	0.22	0.02	0.22
(1,3950)	2:267:B:PHE:HD1	2:158:B:VAL:HG22	2	0.22	0.02	0.22
(1,3950)	2:267:B:PHE:HD1	2:158:B:VAL:HG23	2	0.22	0.02	0.22
(1,3950)	2:267:B:PHE:HD2	2:158:B:VAL:HG21	2	0.22	0.02	0.22
(1,3950)	2:267:B:PHE:HD2	2:158:B:VAL:HG22	2	0.22	0.02	0.22
(1,3950)	2:267:B:PHE:HD2	2:158:B:VAL:HG23	2	0.22	0.02	0.22
(1,3001)	1:208:A:ARG:HA	1:208:A:ARG:HG3	2	0.21	0.07	0.21
(1,998)	2:267:B:PHE:HE1	2:291:B:LEU:HD11	2	0.2	0.04	0.2
(1,998)	2:267:B:PHE:HE1	2:291:B:LEU:HD12	2	0.2	0.04	0.2
(1,998)	2:267:B:PHE:HE1	2:291:B:LEU:HD13	2	0.2	0.04	0.2
(1,998)	2:267:B:PHE:HE2	2:291:B:LEU:HD11	2	0.2	0.04	0.2

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,998)	2:267:B:PHE:HE2	2:291:B:LEU:HD12	2	0.2	0.04	0.2
(1,998)	2:267:B:PHE:HE2	2:291:B:LEU:HD13	2	0.2	0.04	0.2
(1,1557)	2:157:B:LYS:HG3	2:156:B:VAL:H	2	0.2	0.06	0.2
(1,2446)	2:284:B:LEU:HB3	2:285:B:ALA:H	2	0.19	0.02	0.19
(1,1225)	2:287:B:LEU:HD11	1:206:A:LEU:HD21	2	0.18	0.02	0.18
(1,1225)	2:287:B:LEU:HD11	1:206:A:LEU:HD22	2	0.18	0.02	0.18
(1,1225)	2:287:B:LEU:HD11	1:206:A:LEU:HD23	2	0.18	0.02	0.18
(1,1225)	2:287:B:LEU:HD12	1:206:A:LEU:HD21	2	0.18	0.02	0.18
(1,1225)	2:287:B:LEU:HD12	1:206:A:LEU:HD22	2	0.18	0.02	0.18
(1,1225)	2:287:B:LEU:HD12	1:206:A:LEU:HD23	2	0.18	0.02	0.18
(1,1225)	2:287:B:LEU:HD13	1:206:A:LEU:HD21	2	0.18	0.02	0.18
(1,1225)	2:287:B:LEU:HD13	1:206:A:LEU:HD22	2	0.18	0.02	0.18
(1,1225)	2:287:B:LEU:HD13	1:206:A:LEU:HD23	2	0.18	0.02	0.18
(1,242)	2:168:B:LEU:HA	2:168:B:LEU:HD11	2	0.18	0.0	0.18
(1,242)	2:168:B:LEU:HA	2:168:B:LEU:HD12	2	0.18	0.0	0.18
(1,242)	2:168:B:LEU:HA	2:168:B:LEU:HD13	2	0.18	0.0	0.18
(1,2940)	1:227:A:LEU:HB2	1:227:A:LEU:H	2	0.18	0.05	0.18
(1,3540)	1:227:A:LEU:HB3	1:232:A:THR:HG21	2	0.18	0.04	0.18
(1,3540)	1:227:A:LEU:HB3	1:232:A:THR:HG22	2	0.18	0.04	0.18
(1,3540)	1:227:A:LEU:HB3	1:232:A:THR:HG23	2	0.18	0.04	0.18
(1,3773)	2:252:B:ALA:HB1	2:254:B:MET:HE1	2	0.18	0.05	0.18
(1,3773)	2:252:B:ALA:HB1	2:254:B:MET:HE2	2	0.18	0.05	0.18
(1,3773)	2:252:B:ALA:HB1	2:254:B:MET:HE3	2	0.18	0.05	0.18
(1,3773)	2:252:B:ALA:HB2	2:254:B:MET:HE1	2	0.18	0.05	0.18
(1,3773)	2:252:B:ALA:HB2	2:254:B:MET:HE2	2	0.18	0.05	0.18
(1,3773)	2:252:B:ALA:HB2	2:254:B:MET:HE3	2	0.18	0.05	0.18
(1,3773)	2:252:B:ALA:HB3	2:254:B:MET:HE1	2	0.18	0.05	0.18
(1,3773)	2:252:B:ALA:HB3	2:254:B:MET:HE2	2	0.18	0.05	0.18
(1,3773)	2:252:B:ALA:HB3	2:254:B:MET:HE3	2	0.18	0.05	0.18
(1,3454)	1:232:A:THR:HG21	1:227:A:LEU:HD11	2	0.18	0.03	0.18
(1,3454)	1:232:A:THR:HG21	1:227:A:LEU:HD12	2	0.18	0.03	0.18
(1,3454)	1:232:A:THR:HG21	1:227:A:LEU:HD13	2	0.18	0.03	0.18
(1,3454)	1:232:A:THR:HG22	1:227:A:LEU:HD11	2	0.18	0.03	0.18
(1,3454)	1:232:A:THR:HG22	1:227:A:LEU:HD12	2	0.18	0.03	0.18
(1,3454)	1:232:A:THR:HG22	1:227:A:LEU:HD13	2	0.18	0.03	0.18
(1,3454)	1:232:A:THR:HG23	1:227:A:LEU:HD11	2	0.18	0.03	0.18
(1,3454)	1:232:A:THR:HG23	1:227:A:LEU:HD12	2	0.18	0.03	0.18
(1,3454)	1:232:A:THR:HG23	1:227:A:LEU:HD13	2	0.18	0.03	0.18
(1,119)	1:213:A:LEU:HD11	2:277:B:THR:HG21	2	0.17	0.0	0.17
(1,119)	1:213:A:LEU:HD11	2:277:B:THR:HG22	2	0.17	0.0	0.17
(1,119)	1:213:A:LEU:HD11	2:277:B:THR:HG23	2	0.17	0.0	0.17
(1,119)	1:213:A:LEU:HD12	2:277:B:THR:HG21	2	0.17	0.0	0.17

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,119)	1:213:A:LEU:HD12	2:277:B:THR:HG22	2	0.17	0.0	0.17
(1,119)	1:213:A:LEU:HD12	2:277:B:THR:HG23	2	0.17	0.0	0.17
(1,119)	1:213:A:LEU:HD13	2:277:B:THR:HG21	2	0.17	0.0	0.17
(1,119)	1:213:A:LEU:HD13	2:277:B:THR:HG22	2	0.17	0.0	0.17
(1,119)	1:213:A:LEU:HD13	2:277:B:THR:HG23	2	0.17	0.0	0.17
(1,2876)	1:219:A:GLU:HG2	1:219:A:GLU:H	2	0.17	0.0	0.17
(1,3276)	1:218:A:MET:HE1	1:215:A:ALA:HB1	2	0.17	0.0	0.17
(1,3276)	1:218:A:MET:HE1	1:215:A:ALA:HB2	2	0.17	0.0	0.17
(1,3276)	1:218:A:MET:HE1	1:215:A:ALA:HB3	2	0.17	0.0	0.17
(1,3276)	1:218:A:MET:HE2	1:215:A:ALA:HB1	2	0.17	0.0	0.17
(1,3276)	1:218:A:MET:HE2	1:215:A:ALA:HB2	2	0.17	0.0	0.17
(1,3276)	1:218:A:MET:HE2	1:215:A:ALA:HB3	2	0.17	0.0	0.17
(1,3276)	1:218:A:MET:HE3	1:215:A:ALA:HB1	2	0.17	0.0	0.17
(1,3276)	1:218:A:MET:HE3	1:215:A:ALA:HB2	2	0.17	0.0	0.17
(1,3276)	1:218:A:MET:HE3	1:215:A:ALA:HB3	2	0.17	0.0	0.17
(1,630)	2:236:B:LYS:HG3	2:236:B:LYS:HE2	2	0.16	0.02	0.16
(1,1572)	2:157:B:LYS:HD3	2:158:B:VAL:H	2	0.15	0.01	0.15
(1,1572)	2:157:B:LYS:HD2	2:158:B:VAL:H	2	0.15	0.01	0.15
(1,414)	2:263:B:LEU:HD21	2:190:B:VAL:HG21	2	0.15	0.04	0.15
(1,414)	2:263:B:LEU:HD21	2:190:B:VAL:HG22	2	0.15	0.04	0.15
(1,414)	2:263:B:LEU:HD21	2:190:B:VAL:HG23	2	0.15	0.04	0.15
(1,414)	2:263:B:LEU:HD22	2:190:B:VAL:HG21	2	0.15	0.04	0.15
(1,414)	2:263:B:LEU:HD22	2:190:B:VAL:HG22	2	0.15	0.04	0.15
(1,414)	2:263:B:LEU:HD22	2:190:B:VAL:HG23	2	0.15	0.04	0.15
(1,414)	2:263:B:LEU:HD23	2:190:B:VAL:HG21	2	0.15	0.04	0.15
(1,414)	2:263:B:LEU:HD23	2:190:B:VAL:HG22	2	0.15	0.04	0.15
(1,414)	2:263:B:LEU:HD23	2:190:B:VAL:HG23	2	0.15	0.04	0.15
(1,3151)	1:212:A:LEU:HD21	1:208:A:ARG:HD2	2	0.15	0.02	0.15
(1,3151)	1:212:A:LEU:HD22	1:208:A:ARG:HD2	2	0.15	0.02	0.15
(1,3151)	1:212:A:LEU:HD23	1:208:A:ARG:HD2	2	0.15	0.02	0.15
(1,3151)	1:212:A:LEU:HD11	1:208:A:ARG:HD2	2	0.15	0.02	0.15
(1,3151)	1:212:A:LEU:HD12	1:208:A:ARG:HD2	2	0.15	0.02	0.15
(1,3151)	1:212:A:LEU:HD13	1:208:A:ARG:HD2	2	0.15	0.02	0.15
(1,3531)	1:228:A:PRO:HD2	1:231:A:LEU:HD21	2	0.15	0.0	0.15
(1,3531)	1:228:A:PRO:HD2	1:231:A:LEU:HD22	2	0.15	0.0	0.15
(1,3531)	1:228:A:PRO:HD2	1:231:A:LEU:HD23	2	0.15	0.0	0.15
(1,3608)	1:205:A:GLN:HA	2:286:B:LEU:HD11	2	0.15	0.0	0.15
(1,3608)	1:205:A:GLN:HA	2:286:B:LEU:HD12	2	0.15	0.0	0.15
(1,3608)	1:205:A:GLN:HA	2:286:B:LEU:HD13	2	0.15	0.0	0.15
(1,3608)	1:204:A:PRO:HA	2:286:B:LEU:HD11	2	0.15	0.0	0.15
(1,3608)	1:204:A:PRO:HA	2:286:B:LEU:HD12	2	0.15	0.0	0.15
(1,3608)	1:204:A:PRO:HA	2:286:B:LEU:HD13	2	0.15	0.0	0.15

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3647)	2:174:B:LEU:HD21	2:175:B:ILE:HD11	2	0.15	0.0	0.15
(1,3647)	2:174:B:LEU:HD21	2:175:B:ILE:HD12	2	0.15	0.0	0.15
(1,3647)	2:174:B:LEU:HD21	2:175:B:ILE:HD13	2	0.15	0.0	0.15
(1,3647)	2:174:B:LEU:HD22	2:175:B:ILE:HD11	2	0.15	0.0	0.15
(1,3647)	2:174:B:LEU:HD22	2:175:B:ILE:HD12	2	0.15	0.0	0.15
(1,3647)	2:174:B:LEU:HD22	2:175:B:ILE:HD13	2	0.15	0.0	0.15
(1,3647)	2:174:B:LEU:HD23	2:175:B:ILE:HD11	2	0.15	0.0	0.15
(1,3647)	2:174:B:LEU:HD23	2:175:B:ILE:HD12	2	0.15	0.0	0.15
(1,3647)	2:174:B:LEU:HD23	2:175:B:ILE:HD13	2	0.15	0.0	0.15
(1,3647)	2:181:B:LEU:HD21	2:175:B:ILE:HD11	2	0.15	0.0	0.15
(1,3647)	2:181:B:LEU:HD21	2:175:B:ILE:HD12	2	0.15	0.0	0.15
(1,3647)	2:181:B:LEU:HD21	2:175:B:ILE:HD13	2	0.15	0.0	0.15
(1,3647)	2:181:B:LEU:HD22	2:175:B:ILE:HD11	2	0.15	0.0	0.15
(1,3647)	2:181:B:LEU:HD22	2:175:B:ILE:HD12	2	0.15	0.0	0.15
(1,3647)	2:181:B:LEU:HD22	2:175:B:ILE:HD13	2	0.15	0.0	0.15
(1,3647)	2:181:B:LEU:HD23	2:175:B:ILE:HD11	2	0.15	0.0	0.15
(1,3647)	2:181:B:LEU:HD23	2:175:B:ILE:HD12	2	0.15	0.0	0.15
(1,3647)	2:181:B:LEU:HD23	2:175:B:ILE:HD13	2	0.15	0.0	0.15
(1,476)	2:200:B:TYR:HE1	2:204:B:ARG:HD2	2	0.14	0.01	0.14
(1,476)	2:200:B:TYR:HE2	2:204:B:ARG:HD2	2	0.14	0.01	0.14
(1,928)	2:282:B:LYS:HE3	2:282:B:LYS:HG3	2	0.14	0.01	0.14
(1,1997)	2:219:B:ALA:HA	2:223:B:GLU:H	2	0.14	0.02	0.14
(1,1997)	2:244:B:GLU:HA	2:248:B:ASP:H	2	0.14	0.02	0.14
(1,574)	2:273:B:MET:HB2	2:228:B:MET:HE1	2	0.13	0.0	0.13
(1,574)	2:273:B:MET:HB2	2:228:B:MET:HE2	2	0.13	0.0	0.13
(1,574)	2:273:B:MET:HB2	2:228:B:MET:HE3	2	0.13	0.0	0.13
(1,1211)	2:217:B:VAL:HG21	1:206:A:LEU:HG	2	0.13	0.01	0.13
(1,1211)	2:217:B:VAL:HG22	1:206:A:LEU:HG	2	0.13	0.01	0.13
(1,1211)	2:217:B:VAL:HG23	1:206:A:LEU:HG	2	0.13	0.01	0.13
(1,1544)	2:154:B:ALA:HA	2:155:B:GLU:H	2	0.13	0.01	0.13
(1,262)	2:311:B:TYR:HE1	2:174:B:LEU:HD11	2	0.12	0.01	0.12
(1,262)	2:311:B:TYR:HE1	2:174:B:LEU:HD12	2	0.12	0.01	0.12
(1,262)	2:311:B:TYR:HE1	2:174:B:LEU:HD13	2	0.12	0.01	0.12
(1,262)	2:311:B:TYR:HE2	2:174:B:LEU:HD11	2	0.12	0.01	0.12
(1,262)	2:311:B:TYR:HE2	2:174:B:LEU:HD12	2	0.12	0.01	0.12
(1,262)	2:311:B:TYR:HE2	2:174:B:LEU:HD13	2	0.12	0.01	0.12
(1,413)	2:263:B:LEU:HD11	2:190:B:VAL:HG21	2	0.12	0.02	0.12
(1,413)	2:263:B:LEU:HD11	2:190:B:VAL:HG22	2	0.12	0.02	0.12
(1,413)	2:263:B:LEU:HD11	2:190:B:VAL:HG23	2	0.12	0.02	0.12
(1,413)	2:263:B:LEU:HD12	2:190:B:VAL:HG21	2	0.12	0.02	0.12
(1,413)	2:263:B:LEU:HD12	2:190:B:VAL:HG22	2	0.12	0.02	0.12
(1,413)	2:263:B:LEU:HD12	2:190:B:VAL:HG23	2	0.12	0.02	0.12

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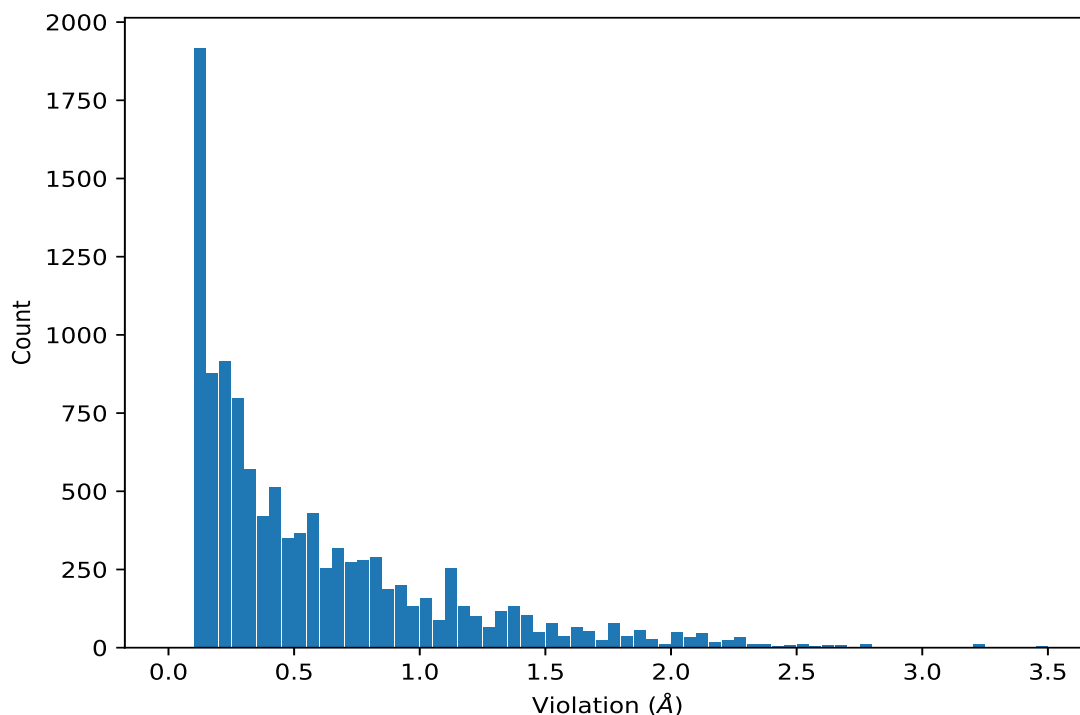
Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,413)	2:263:B:LEU:HD13	2:190:B:VAL:HG21	2	0.12	0.02	0.12
(1,413)	2:263:B:LEU:HD13	2:190:B:VAL:HG22	2	0.12	0.02	0.12
(1,413)	2:263:B:LEU:HD13	2:190:B:VAL:HG23	2	0.12	0.02	0.12
(1,774)	2:256:B:GLN:HB2	2:257:B:VAL:HG21	2	0.12	0.02	0.12
(1,774)	2:256:B:GLN:HB2	2:257:B:VAL:HG22	2	0.12	0.02	0.12
(1,774)	2:256:B:GLN:HB2	2:257:B:VAL:HG23	2	0.12	0.02	0.12
(1,3501)	1:231:A:LEU:HG	1:230:A:GLU:HG3	2	0.12	0.02	0.12
(2,26)	1:218:A:MET:HG3	1:214:A:ILE:HD11	2	0.12	0.01	0.12
(2,26)	1:218:A:MET:HG3	1:214:A:ILE:HD12	2	0.12	0.01	0.12
(2,26)	1:218:A:MET:HG3	1:214:A:ILE:HD13	2	0.12	0.01	0.12
(1,2307)	2:268:B:VAL:HB	2:268:B:VAL:H	2	0.12	0.0	0.12
(1,192)	2:158:B:VAL:HA	2:158:B:VAL:HG11	2	0.11	0.0	0.11
(1,192)	2:158:B:VAL:HA	2:158:B:VAL:HG12	2	0.11	0.0	0.11
(1,192)	2:158:B:VAL:HA	2:158:B:VAL:HG13	2	0.11	0.0	0.11
(1,2546)	2:295:B:LEU:HG	2:295:B:LEU:H	2	0.11	0.01	0.11
(1,3945)	2:242:B:TYR:HE1	2:246:B:LEU:HD21	2	0.11	0.01	0.11
(1,3945)	2:242:B:TYR:HE1	2:246:B:LEU:HD22	2	0.11	0.01	0.11
(1,3945)	2:242:B:TYR:HE1	2:246:B:LEU:HD23	2	0.11	0.01	0.11
(1,3945)	2:242:B:TYR:HE2	2:246:B:LEU:HD21	2	0.11	0.01	0.11
(1,3945)	2:242:B:TYR:HE2	2:246:B:LEU:HD22	2	0.11	0.01	0.11
(1,3945)	2:242:B:TYR:HE2	2:246:B:LEU:HD23	2	0.11	0.01	0.11
(1,3449)	1:227:A:LEU:HA	1:227:A:LEU:HD11	2	0.11	0.0	0.11
(1,3449)	1:227:A:LEU:HA	1:227:A:LEU:HD12	2	0.11	0.0	0.11
(1,3449)	1:227:A:LEU:HA	1:227:A:LEU:HD13	2	0.11	0.0	0.11
(1,3555)	1:234:A:THR:HA	1:234:A:THR:HG21	2	0.11	0.0	0.11
(1,3555)	1:234:A:THR:HA	1:234:A:THR:HG22	2	0.11	0.0	0.11
(1,3555)	1:234:A:THR:HA	1:234:A:THR:HG23	2	0.11	0.0	0.11
(1,3729)	2:227:B:VAL:HA	2:227:B:VAL:HG21	2	0.11	0.0	0.11
(1,3729)	2:227:B:VAL:HA	2:227:B:VAL:HG22	2	0.11	0.0	0.11
(1,3729)	2:227:B:VAL:HA	2:227:B:VAL:HG23	2	0.11	0.0	0.11
(1,327)	2:181:B:LEU:HD21	2:181:B:LEU:HA	2	0.1	0.0	0.1
(1,327)	2:181:B:LEU:HD22	2:181:B:LEU:HA	2	0.1	0.0	0.1
(1,327)	2:181:B:LEU:HD23	2:181:B:LEU:HA	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)
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD11	15	3.5
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD12	15	3.5
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD13	15	3.5
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD11	13	3.48
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD12	13	3.48
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD13	13	3.48
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD21	18	3.23
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD22	18	3.23
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD23	18	3.23
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD21	18	3.23
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD22	18	3.23
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD23	18	3.23
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD21	18	3.23
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD22	18	3.23
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD23	18	3.23
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD11	14	3.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD12	14	3.22
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD13	14	3.22
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD11	3	3.19
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD12	3	3.19
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD13	3	3.19
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD11	2	3.08
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD12	2	3.08
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD13	2	3.08
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD11	20	2.96
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD12	20	2.96
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD13	20	2.96
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG11	3	2.86
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG12	3	2.86
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG13	3	2.86
(1,1690)	2:174:B:LEU:HD11	2:178:B:GLN:HE22	6	2.83
(1,1690)	2:174:B:LEU:HD12	2:178:B:GLN:HE22	6	2.83
(1,1690)	2:174:B:LEU:HD13	2:178:B:GLN:HE22	6	2.83
(1,1690)	2:174:B:LEU:HD11	2:178:B:GLN:HE22	8	2.79
(1,1690)	2:174:B:LEU:HD12	2:178:B:GLN:HE22	8	2.79
(1,1690)	2:174:B:LEU:HD13	2:178:B:GLN:HE22	8	2.79
(1,1690)	2:174:B:LEU:HD11	2:178:B:GLN:HE22	10	2.79
(1,1690)	2:174:B:LEU:HD12	2:178:B:GLN:HE22	10	2.79
(1,1690)	2:174:B:LEU:HD13	2:178:B:GLN:HE22	10	2.79
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG11	18	2.79
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG12	18	2.79
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG13	18	2.79
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD11	9	2.75
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD12	9	2.75
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD13	9	2.75
(1,1690)	2:174:B:LEU:HD11	2:178:B:GLN:HE22	7	2.72
(1,1690)	2:174:B:LEU:HD12	2:178:B:GLN:HE22	7	2.72
(1,1690)	2:174:B:LEU:HD13	2:178:B:GLN:HE22	7	2.72
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD11	5	2.68
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD12	5	2.68
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD13	5	2.68
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	14	2.67
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	14	2.67
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	14	2.67
(1,760)	2:257:B:VAL:HG11	2:256:B:GLN:HG2	18	2.66
(1,760)	2:257:B:VAL:HG12	2:256:B:GLN:HG2	18	2.66
(1,760)	2:257:B:VAL:HG13	2:256:B:GLN:HG2	18	2.66
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD11	5	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD12	5	2.64
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD13	5	2.64
(1,760)	2:257:B:VAL:HG11	2:256:B:GLN:HG2	3	2.64
(1,760)	2:257:B:VAL:HG12	2:256:B:GLN:HG2	3	2.64
(1,760)	2:257:B:VAL:HG13	2:256:B:GLN:HG2	3	2.64
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD11	1	2.61
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD12	1	2.61
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD13	1	2.61
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD11	8	2.58
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD12	8	2.58
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD13	8	2.58
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD11	11	2.56
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD12	11	2.56
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD13	11	2.56
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD11	15	2.55
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD12	15	2.55
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD13	15	2.55
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD11	2	2.53
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD12	2	2.53
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD13	2	2.53
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD11	4	2.5
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD12	4	2.5
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD13	4	2.5
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD11	4	2.5
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD12	4	2.5
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD13	4	2.5
(1,3681)	2:193:B:ILE:HD11	2:188:B:LYS:HE3	5	2.49
(1,3681)	2:193:B:ILE:HD12	2:188:B:LYS:HE3	5	2.49
(1,3681)	2:193:B:ILE:HD13	2:188:B:LYS:HE3	5	2.49
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD11	13	2.48
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD12	13	2.48
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD13	13	2.48
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	19	2.46
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	19	2.46
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	19	2.46
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD11	10	2.42
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD12	10	2.42
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD13	10	2.42
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	4	2.42
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	4	2.42
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	4	2.42
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD11	17	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD12	17	2.4
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD13	17	2.4
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD11	5	2.36
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD12	5	2.36
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD13	5	2.36
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD11	5	2.36
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD12	5	2.36
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD13	5	2.36
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD11	5	2.36
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD12	5	2.36
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD13	5	2.36
(1,1690)	2:174:B:LEU:HD11	2:178:B:GLN:HE22	4	2.34
(1,1690)	2:174:B:LEU:HD12	2:178:B:GLN:HE22	4	2.34
(1,1690)	2:174:B:LEU:HD13	2:178:B:GLN:HE22	4	2.34
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD11	15	2.34
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD12	15	2.34
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD13	15	2.34
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD11	12	2.33
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD12	12	2.33
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD13	12	2.33
(1,1690)	2:174:B:LEU:HD11	2:178:B:GLN:HE22	3	2.31
(1,1690)	2:174:B:LEU:HD12	2:178:B:GLN:HE22	3	2.31
(1,1690)	2:174:B:LEU:HD13	2:178:B:GLN:HE22	3	2.31
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD11	4	2.29
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD12	4	2.29
(1,958)	2:289:B:ASN:HB2	2:286:B:LEU:HD13	4	2.29
(1,1623)	2:168:B:LEU:HD11	2:165:B:LYS:H	7	2.28
(1,1623)	2:168:B:LEU:HD12	2:165:B:LYS:H	7	2.28
(1,1623)	2:168:B:LEU:HD13	2:165:B:LYS:H	7	2.28
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE3	16	2.28
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE3	16	2.28
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE3	16	2.28
(1,1623)	2:168:B:LEU:HD11	2:165:B:LYS:H	16	2.27
(1,1623)	2:168:B:LEU:HD12	2:165:B:LYS:H	16	2.27
(1,1623)	2:168:B:LEU:HD13	2:165:B:LYS:H	16	2.27
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD21	4	2.27
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD22	4	2.27
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD23	4	2.27
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD11	16	2.26
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD12	16	2.26
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD13	16	2.26
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD11	16	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD12	16	2.26
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD13	16	2.26
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD11	10	2.26
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD12	10	2.26
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD13	10	2.26
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD11	10	2.26
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD12	10	2.26
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD13	10	2.26
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD11	10	2.26
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD12	10	2.26
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD13	10	2.26
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD11	13	2.26
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD12	13	2.26
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD13	13	2.26
(1,3805)	2:284:B:LEU:HD11	2:279:B:LEU:HD21	9	2.22
(1,3805)	2:284:B:LEU:HD11	2:279:B:LEU:HD22	9	2.22
(1,3805)	2:284:B:LEU:HD11	2:279:B:LEU:HD23	9	2.22
(1,3805)	2:284:B:LEU:HD12	2:279:B:LEU:HD21	9	2.22
(1,3805)	2:284:B:LEU:HD12	2:279:B:LEU:HD22	9	2.22
(1,3805)	2:284:B:LEU:HD12	2:279:B:LEU:HD23	9	2.22
(1,3805)	2:284:B:LEU:HD13	2:279:B:LEU:HD21	9	2.22
(1,3805)	2:284:B:LEU:HD13	2:279:B:LEU:HD22	9	2.22
(1,3805)	2:284:B:LEU:HD13	2:279:B:LEU:HD23	9	2.22
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD11	16	2.22
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD12	16	2.22
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD13	16	2.22
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD11	16	2.22
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD12	16	2.22
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD13	16	2.22
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD11	16	2.22
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD12	16	2.22
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD13	16	2.22
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD11	17	2.21
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD12	17	2.21
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD13	17	2.21
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD11	3	2.2
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD12	3	2.2
(1,808)	2:267:B:PHE:HZ	2:266:B:LEU:HD13	3	2.2
(1,3868)	2:277:B:THR:HG21	1:211:A:GLU:HB2	4	2.17
(1,3868)	2:277:B:THR:HG22	1:211:A:GLU:HB2	4	2.17
(1,3868)	2:277:B:THR:HG23	1:211:A:GLU:HB2	4	2.17
(1,2923)	1:227:A:LEU:HD11	1:226:A:GLN:H	8	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2923)	1:227:A:LEU:HD12	1:226:A:GLN:H	8	2.16
(1,2923)	1:227:A:LEU:HD13	1:226:A:GLN:H	8	2.16
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	1	2.16
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	1	2.16
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	1	2.16
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	1	2.16
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	1	2.16
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	1	2.16
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	8	2.15
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	8	2.15
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	8	2.15
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	8	2.15
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	8	2.15
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	8	2.15
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD11	18	2.14
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD12	18	2.14
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD13	18	2.14
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD11	18	2.14
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD12	18	2.14
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD13	18	2.14
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD21	2	2.13
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD22	2	2.13
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD23	2	2.13
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	14	2.12
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	14	2.12
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	14	2.12
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	14	2.12
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	14	2.12
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	14	2.12
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	17	2.12
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	17	2.12
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	17	2.12
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD11	11	2.11
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD12	11	2.11
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD13	11	2.11
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG11	16	2.11
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG12	16	2.11
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG13	16	2.11
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG11	16	2.11
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG12	16	2.11
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG13	16	2.11
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG11	16	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG12	16	2.11
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG13	16	2.11
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD11	14	2.11
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD12	14	2.11
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD13	14	2.11
(1,2923)	1:227:A:LEU:HD11	1:226:A:GLN:H	4	2.1
(1,2923)	1:227:A:LEU:HD12	1:226:A:GLN:H	4	2.1
(1,2923)	1:227:A:LEU:HD13	1:226:A:GLN:H	4	2.1
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	15	2.1
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	15	2.1
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	15	2.1
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	15	2.1
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	15	2.1
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	15	2.1
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD11	6	2.1
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD12	6	2.1
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD13	6	2.1
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD21	16	2.08
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD22	16	2.08
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD23	16	2.08
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD21	16	2.08
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD22	16	2.08
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD23	16	2.08
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD21	16	2.08
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD22	16	2.08
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD23	16	2.08
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD21	16	2.08
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD22	16	2.08
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD23	16	2.08
(1,1623)	2:168:B:LEU:HD11	2:165:B:LYS:H	9	2.07
(1,1623)	2:168:B:LEU:HD12	2:165:B:LYS:H	9	2.07
(1,1623)	2:168:B:LEU:HD13	2:165:B:LYS:H	9	2.07
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	1	2.07
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	1	2.07
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	1	2.07
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	17	2.07
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	17	2.07
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	17	2.07
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	17	2.07
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	17	2.07
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	17	2.07
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD11	1	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD12	1	2.06
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD13	1	2.06
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD11	1	2.06
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD12	1	2.06
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD13	1	2.06
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD11	1	2.06
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD12	1	2.06
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD13	1	2.06
(1,3681)	2:193:B:ILE:HD11	2:188:B:LYS:HE3	11	2.05
(1,3681)	2:193:B:ILE:HD12	2:188:B:LYS:HE3	11	2.05
(1,3681)	2:193:B:ILE:HD13	2:188:B:LYS:HE3	11	2.05
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	9	2.05
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	9	2.05
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	9	2.05
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	12	2.05
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	12	2.05
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	12	2.05
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	3	2.03
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	3	2.03
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	3	2.03
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	5	2.02
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	5	2.02
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	5	2.02
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	5	2.02
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	5	2.02
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	5	2.02
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	18	2.02
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	18	2.02
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	18	2.02
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	18	2.02
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	18	2.02
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	18	2.02
(1,2923)	1:227:A:LEU:HD11	1:226:A:GLN:H	20	2.01
(1,2923)	1:227:A:LEU:HD12	1:226:A:GLN:H	20	2.01
(1,2923)	1:227:A:LEU:HD13	1:226:A:GLN:H	20	2.01
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	2	2.01
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	2	2.01
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	2	2.01
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	2	2.01
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	2	2.01
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	2	2.01
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	2	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	2	2.01
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	2	2.01
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	4	2.0
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	4	2.0
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	4	2.0
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	4	2.0
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	4	2.0
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	4	2.0
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD11	6	2.0
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD12	6	2.0
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD13	6	2.0
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD11	6	2.0
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD12	6	2.0
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD13	6	2.0
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD11	6	2.0
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD12	6	2.0
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD13	6	2.0
(1,2068)	2:228:B:MET:HG3	2:232:B:GLN:HE22	18	1.99
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	6	1.98
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	6	1.98
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	6	1.98
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD11	15	1.98
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD12	15	1.98
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD13	15	1.98
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	15	1.97
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	15	1.97
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	15	1.97
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	3	1.95
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	3	1.95
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	3	1.95
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	13	1.95
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	13	1.95
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	13	1.95
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	19	1.95
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	19	1.95
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	19	1.95
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	19	1.95
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	19	1.95
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	19	1.95
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD11	10	1.95
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD12	10	1.95
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD13	10	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	10	1.92
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	10	1.92
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	10	1.92
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD21	14	1.92
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD22	14	1.92
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD23	14	1.92
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	6	1.91
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	6	1.91
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	6	1.91
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	6	1.91
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	6	1.91
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	6	1.91
(1,2602)	2:164:B:LEU:HD21	2:302:B:SER:H	15	1.9
(1,2602)	2:164:B:LEU:HD22	2:302:B:SER:H	15	1.9
(1,2602)	2:164:B:LEU:HD23	2:302:B:SER:H	15	1.9
(1,1857)	2:195:B:GLU:HG2	2:199:B:ASN:HD22	17	1.9
(1,428)	2:190:B:VAL:HG11	2:194:B:LEU:HD11	14	1.9
(1,428)	2:190:B:VAL:HG11	2:194:B:LEU:HD12	14	1.9
(1,428)	2:190:B:VAL:HG11	2:194:B:LEU:HD13	14	1.9
(1,428)	2:190:B:VAL:HG12	2:194:B:LEU:HD11	14	1.9
(1,428)	2:190:B:VAL:HG12	2:194:B:LEU:HD12	14	1.9
(1,428)	2:190:B:VAL:HG12	2:194:B:LEU:HD13	14	1.9
(1,428)	2:190:B:VAL:HG13	2:194:B:LEU:HD11	14	1.9
(1,428)	2:190:B:VAL:HG13	2:194:B:LEU:HD12	14	1.9
(1,428)	2:190:B:VAL:HG13	2:194:B:LEU:HD13	14	1.9
(1,1623)	2:168:B:LEU:HD11	2:165:B:LYS:H	8	1.88
(1,1623)	2:168:B:LEU:HD12	2:165:B:LYS:H	8	1.88
(1,1623)	2:168:B:LEU:HD13	2:165:B:LYS:H	8	1.88
(1,636)	2:234:B:LEU:HD21	2:239:B:ARG:HD3	11	1.88
(1,636)	2:234:B:LEU:HD22	2:239:B:ARG:HD3	11	1.88
(1,636)	2:234:B:LEU:HD23	2:239:B:ARG:HD3	11	1.88
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD21	3	1.88
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD22	3	1.88
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD23	3	1.88
(1,3898)	2:169:B:VAL:HG21	1:227:A:LEU:HD11	16	1.87
(1,3898)	2:169:B:VAL:HG21	1:227:A:LEU:HD12	16	1.87
(1,3898)	2:169:B:VAL:HG21	1:227:A:LEU:HD13	16	1.87
(1,3898)	2:169:B:VAL:HG22	1:227:A:LEU:HD11	16	1.87
(1,3898)	2:169:B:VAL:HG22	1:227:A:LEU:HD12	16	1.87
(1,3898)	2:169:B:VAL:HG22	1:227:A:LEU:HD13	16	1.87
(1,3898)	2:169:B:VAL:HG23	1:227:A:LEU:HD11	16	1.87
(1,3898)	2:169:B:VAL:HG23	1:227:A:LEU:HD12	16	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3898)	2:169:B:VAL:HG23	1:227:A:LEU:HD13	16	1.87
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD21	4	1.87
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD22	4	1.87
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD23	4	1.87
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD21	4	1.87
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD22	4	1.87
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD23	4	1.87
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD21	4	1.87
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD22	4	1.87
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD23	4	1.87
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG21	3	1.86
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG22	3	1.86
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG23	3	1.86
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	2	1.86
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	2	1.86
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	2	1.86
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	8	1.86
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	8	1.86
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	8	1.86
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD11	20	1.86
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD12	20	1.86
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD13	20	1.86
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	4	1.85
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	4	1.85
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	4	1.85
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD11	10	1.84
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD12	10	1.84
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD13	10	1.84
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD11	10	1.84
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD12	10	1.84
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD13	10	1.84
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD11	10	1.84
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD12	10	1.84
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD13	10	1.84
(1,433)	2:222:B:LYS:HE2	2:194:B:LEU:HD11	18	1.84
(1,433)	2:222:B:LYS:HE2	2:194:B:LEU:HD12	18	1.84
(1,433)	2:222:B:LYS:HE2	2:194:B:LEU:HD13	18	1.84
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	14	1.81
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	14	1.81
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	14	1.81
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD21	6	1.8
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD22	6	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD23	6	1.8
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD21	6	1.8
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD22	6	1.8
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD23	6	1.8
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD21	6	1.8
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD22	6	1.8
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD23	6	1.8
(1,3777)	2:271:B:GLY:HA3	2:288:B:LEU:HD21	18	1.8
(1,3777)	2:271:B:GLY:HA3	2:288:B:LEU:HD22	18	1.8
(1,3777)	2:271:B:GLY:HA3	2:288:B:LEU:HD23	18	1.8
(1,3682)	2:193:B:ILE:HD11	2:188:B:LYS:HE2	11	1.8
(1,3682)	2:193:B:ILE:HD12	2:188:B:LYS:HE2	11	1.8
(1,3682)	2:193:B:ILE:HD13	2:188:B:LYS:HE2	11	1.8
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD11	4	1.8
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD12	4	1.8
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD13	4	1.8
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD11	4	1.8
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD12	4	1.8
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD13	4	1.8
(1,1753)	2:184:B:LEU:HD11	2:186:B:ALA:H	1	1.79
(1,1753)	2:184:B:LEU:HD12	2:186:B:ALA:H	1	1.79
(1,1753)	2:184:B:LEU:HD13	2:186:B:ALA:H	1	1.79
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD11	15	1.79
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD12	15	1.79
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD13	15	1.79
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	10	1.79
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	10	1.79
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	10	1.79
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	10	1.79
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	10	1.79
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	10	1.79
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD21	9	1.78
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD22	9	1.78
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD23	9	1.78
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD21	9	1.78
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD22	9	1.78
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD23	9	1.78
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD21	9	1.78
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD22	9	1.78
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD23	9	1.78
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	6	1.78
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	6	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	6	1.78
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	6	1.78
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	6	1.78
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	6	1.78
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	6	1.78
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	6	1.78
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	6	1.78
(1,3682)	2:193:B:ILE:HD11	2:188:B:LYS:HE2	5	1.78
(1,3682)	2:193:B:ILE:HD12	2:188:B:LYS:HE2	5	1.78
(1,3682)	2:193:B:ILE:HD13	2:188:B:LYS:HE2	5	1.78
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	11	1.78
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	11	1.78
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	11	1.78
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD11	17	1.78
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD12	17	1.78
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD13	17	1.78
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD21	11	1.77
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD22	11	1.77
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD23	11	1.77
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	10	1.77
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	10	1.77
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	10	1.77
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	15	1.76
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	15	1.76
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	15	1.76
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	15	1.76
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	15	1.76
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	15	1.76
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	20	1.76
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	20	1.76
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	20	1.76
(1,539)	2:217:B:VAL:HG11	2:221:B:ILE:HD11	13	1.76
(1,539)	2:217:B:VAL:HG11	2:221:B:ILE:HD12	13	1.76
(1,539)	2:217:B:VAL:HG11	2:221:B:ILE:HD13	13	1.76
(1,539)	2:217:B:VAL:HG12	2:221:B:ILE:HD11	13	1.76
(1,539)	2:217:B:VAL:HG12	2:221:B:ILE:HD12	13	1.76
(1,539)	2:217:B:VAL:HG12	2:221:B:ILE:HD13	13	1.76
(1,539)	2:217:B:VAL:HG13	2:221:B:ILE:HD11	13	1.76
(1,539)	2:217:B:VAL:HG13	2:221:B:ILE:HD12	13	1.76
(1,539)	2:217:B:VAL:HG13	2:221:B:ILE:HD13	13	1.76
(1,332)	2:238:B:GLU:HB3	2:181:B:LEU:HD11	10	1.76
(1,332)	2:238:B:GLU:HB3	2:181:B:LEU:HD12	10	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	2:238:B:GLU:HB3	2:181:B:LEU:HD13	10	1.76
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD21	9	1.76
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD22	9	1.76
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD23	9	1.76
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	8	1.75
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	8	1.75
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	8	1.75
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	8	1.75
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	8	1.75
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	8	1.75
(1,2602)	2:164:B:LEU:HD21	2:302:B:SER:H	13	1.75
(1,2602)	2:164:B:LEU:HD22	2:302:B:SER:H	13	1.75
(1,2602)	2:164:B:LEU:HD23	2:302:B:SER:H	13	1.75
(1,3947)	2:258:B:TYR:HE1	2:184:B:LEU:HB2	20	1.74
(1,3947)	2:258:B:TYR:HE2	2:184:B:LEU:HB2	20	1.74
(1,3843)	2:188:B:LYS:HB3	2:305:B:LEU:HD11	15	1.74
(1,3843)	2:188:B:LYS:HB3	2:305:B:LEU:HD12	15	1.74
(1,3843)	2:188:B:LYS:HB3	2:305:B:LEU:HD13	15	1.74
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	2	1.73
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	2	1.73
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	2	1.73
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	2	1.73
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	2	1.73
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	2	1.73
(1,3913)	2:212:B:TYR:HD1	2:209:B:ASN:HB2	15	1.72
(1,3913)	2:212:B:TYR:HD2	2:209:B:ASN:HB2	15	1.72
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG11	4	1.72
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG12	4	1.72
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG13	4	1.72
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG11	4	1.72
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG12	4	1.72
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG13	4	1.72
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG11	4	1.72
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG12	4	1.72
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG13	4	1.72
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	2	1.72
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	2	1.72
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	2	1.72
(1,3682)	2:193:B:ILE:HD11	2:188:B:LYS:HE2	8	1.7
(1,3682)	2:193:B:ILE:HD12	2:188:B:LYS:HE2	8	1.7
(1,3682)	2:193:B:ILE:HD13	2:188:B:LYS:HE2	8	1.7
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	4	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	4	1.69
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	4	1.69
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	4	1.69
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	4	1.69
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	4	1.69
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	4	1.69
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	4	1.69
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	4	1.69
(1,3805)	2:263:B:LEU:HD21	2:266:B:LEU:HD11	18	1.69
(1,3805)	2:263:B:LEU:HD21	2:266:B:LEU:HD12	18	1.69
(1,3805)	2:263:B:LEU:HD21	2:266:B:LEU:HD13	18	1.69
(1,3805)	2:263:B:LEU:HD22	2:266:B:LEU:HD11	18	1.69
(1,3805)	2:263:B:LEU:HD22	2:266:B:LEU:HD12	18	1.69
(1,3805)	2:263:B:LEU:HD22	2:266:B:LEU:HD13	18	1.69
(1,3805)	2:263:B:LEU:HD23	2:266:B:LEU:HD11	18	1.69
(1,3805)	2:263:B:LEU:HD23	2:266:B:LEU:HD12	18	1.69
(1,3805)	2:263:B:LEU:HD23	2:266:B:LEU:HD13	18	1.69
(1,1303)	2:231:B:THR:HA	1:222:A:PRO:HB3	5	1.69
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD11	2	1.68
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD12	2	1.68
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD13	2	1.68
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD11	3	1.68
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD12	3	1.68
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD13	3	1.68
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	16	1.67
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	16	1.67
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	16	1.67
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	16	1.67
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	16	1.67
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	16	1.67
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	16	1.67
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	16	1.67
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	16	1.67
(1,1488)	2:292:B:HIS:HE1	2:288:B:LEU:HD21	1	1.67
(1,1488)	2:292:B:HIS:HE1	2:288:B:LEU:HD22	1	1.67
(1,1488)	2:292:B:HIS:HE1	2:288:B:LEU:HD23	1	1.67
(1,2044)	2:266:B:LEU:HD21	2:228:B:MET:H	11	1.66
(1,2044)	2:266:B:LEU:HD22	2:228:B:MET:H	11	1.66
(1,2044)	2:266:B:LEU:HD23	2:228:B:MET:H	11	1.66
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD11	12	1.66
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD12	12	1.66
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD13	12	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD11	4	1.66
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD12	4	1.66
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD13	4	1.66
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD21	15	1.66
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD22	15	1.66
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD23	15	1.66
(1,2069)	2:269:B:ARG:HB3	2:232:B:GLN:HE22	16	1.65
(1,1321)	2:236:B:LYS:HB2	1:224:A:GLN:HG2	11	1.65
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD11	3	1.65
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD12	3	1.65
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD13	3	1.65
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD11	3	1.65
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD12	3	1.65
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD13	3	1.65
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD11	3	1.65
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD12	3	1.65
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD13	3	1.65
(1,3805)	2:284:B:LEU:HD11	2:279:B:LEU:HD21	2	1.64
(1,3805)	2:284:B:LEU:HD11	2:279:B:LEU:HD22	2	1.64
(1,3805)	2:284:B:LEU:HD11	2:279:B:LEU:HD23	2	1.64
(1,3805)	2:284:B:LEU:HD12	2:279:B:LEU:HD21	2	1.64
(1,3805)	2:284:B:LEU:HD12	2:279:B:LEU:HD22	2	1.64
(1,3805)	2:284:B:LEU:HD12	2:279:B:LEU:HD23	2	1.64
(1,3805)	2:284:B:LEU:HD13	2:279:B:LEU:HD21	2	1.64
(1,3805)	2:284:B:LEU:HD13	2:279:B:LEU:HD22	2	1.64
(1,3805)	2:284:B:LEU:HD13	2:279:B:LEU:HD23	2	1.64
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	10	1.62
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	10	1.62
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	10	1.62
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	10	1.62
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	10	1.62
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	10	1.62
(1,2068)	2:228:B:MET:HG3	2:232:B:GLN:HE22	7	1.62
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	7	1.61
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	7	1.61
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	7	1.61
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	7	1.61
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	7	1.61
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	7	1.61
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	7	1.61
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	7	1.61
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	7	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD21	6	1.61
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD22	6	1.61
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD23	6	1.61
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	15	1.6
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	15	1.6
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	15	1.6
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	15	1.6
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	15	1.6
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	15	1.6
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	15	1.6
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	15	1.6
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	15	1.6
(1,1270)	2:287:B:LEU:HD21	1:213:A:LEU:HD21	11	1.6
(1,1270)	2:287:B:LEU:HD21	1:213:A:LEU:HD22	11	1.6
(1,1270)	2:287:B:LEU:HD21	1:213:A:LEU:HD23	11	1.6
(1,1270)	2:287:B:LEU:HD22	1:213:A:LEU:HD21	11	1.6
(1,1270)	2:287:B:LEU:HD22	1:213:A:LEU:HD22	11	1.6
(1,1270)	2:287:B:LEU:HD22	1:213:A:LEU:HD23	11	1.6
(1,1270)	2:287:B:LEU:HD23	1:213:A:LEU:HD21	11	1.6
(1,1270)	2:287:B:LEU:HD23	1:213:A:LEU:HD22	11	1.6
(1,1270)	2:287:B:LEU:HD23	1:213:A:LEU:HD23	11	1.6
(1,225)	2:295:B:LEU:HD21	2:160:B:ILE:HG21	7	1.6
(1,225)	2:295:B:LEU:HD21	2:160:B:ILE:HG22	7	1.6
(1,225)	2:295:B:LEU:HD21	2:160:B:ILE:HG23	7	1.6
(1,225)	2:295:B:LEU:HD22	2:160:B:ILE:HG21	7	1.6
(1,225)	2:295:B:LEU:HD22	2:160:B:ILE:HG22	7	1.6
(1,225)	2:295:B:LEU:HD22	2:160:B:ILE:HG23	7	1.6
(1,225)	2:295:B:LEU:HD23	2:160:B:ILE:HG21	7	1.6
(1,225)	2:295:B:LEU:HD23	2:160:B:ILE:HG22	7	1.6
(1,225)	2:295:B:LEU:HD23	2:160:B:ILE:HG23	7	1.6
(1,3366)	1:222:A:PRO:HD2	1:221:A:ASN:HB3	5	1.59
(1,3898)	2:169:B:VAL:HG21	1:227:A:LEU:HD11	7	1.58
(1,3898)	2:169:B:VAL:HG21	1:227:A:LEU:HD12	7	1.58
(1,3898)	2:169:B:VAL:HG21	1:227:A:LEU:HD13	7	1.58
(1,3898)	2:169:B:VAL:HG22	1:227:A:LEU:HD11	7	1.58
(1,3898)	2:169:B:VAL:HG22	1:227:A:LEU:HD12	7	1.58
(1,3898)	2:169:B:VAL:HG22	1:227:A:LEU:HD13	7	1.58
(1,3898)	2:169:B:VAL:HG23	1:227:A:LEU:HD11	7	1.58
(1,3898)	2:169:B:VAL:HG23	1:227:A:LEU:HD12	7	1.58
(1,3898)	2:169:B:VAL:HG23	1:227:A:LEU:HD13	7	1.58
(1,1321)	2:236:B:LYS:HB2	1:224:A:GLN:HG2	15	1.58
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD11	6	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD12	6	1.58
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD13	6	1.58
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD11	16	1.57
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD12	16	1.57
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD13	16	1.57
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD11	7	1.57
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD12	7	1.57
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD13	7	1.57
(1,7)	1:231:A:LEU:HD11	2:168:B:LEU:HD11	16	1.57
(1,7)	1:231:A:LEU:HD11	2:168:B:LEU:HD12	16	1.57
(1,7)	1:231:A:LEU:HD11	2:168:B:LEU:HD13	16	1.57
(1,7)	1:231:A:LEU:HD12	2:168:B:LEU:HD11	16	1.57
(1,7)	1:231:A:LEU:HD12	2:168:B:LEU:HD12	16	1.57
(1,7)	1:231:A:LEU:HD12	2:168:B:LEU:HD13	16	1.57
(1,7)	1:231:A:LEU:HD13	2:168:B:LEU:HD11	16	1.57
(1,7)	1:231:A:LEU:HD13	2:168:B:LEU:HD12	16	1.57
(1,7)	1:231:A:LEU:HD13	2:168:B:LEU:HD13	16	1.57
(1,703)	2:243:B:ALA:HA	2:246:B:LEU:HD21	9	1.56
(1,703)	2:243:B:ALA:HA	2:246:B:LEU:HD22	9	1.56
(1,703)	2:243:B:ALA:HA	2:246:B:LEU:HD23	9	1.56
(1,3366)	1:222:A:PRO:HD2	1:221:A:ASN:HB3	7	1.55
(1,1857)	2:195:B:GLU:HG2	2:199:B:ASN:HD22	12	1.55
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD11	4	1.55
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD12	4	1.55
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD13	4	1.55
(1,3868)	2:277:B:THR:HG21	1:211:A:GLU:HB2	12	1.54
(1,3868)	2:277:B:THR:HG22	1:211:A:GLU:HB2	12	1.54
(1,3868)	2:277:B:THR:HG23	1:211:A:GLU:HB2	12	1.54
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD11	15	1.54
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD12	15	1.54
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD13	15	1.54
(1,428)	2:190:B:VAL:HG11	2:194:B:LEU:HD11	5	1.54
(1,428)	2:190:B:VAL:HG11	2:194:B:LEU:HD12	5	1.54
(1,428)	2:190:B:VAL:HG11	2:194:B:LEU:HD13	5	1.54
(1,428)	2:190:B:VAL:HG12	2:194:B:LEU:HD11	5	1.54
(1,428)	2:190:B:VAL:HG12	2:194:B:LEU:HD12	5	1.54
(1,428)	2:190:B:VAL:HG12	2:194:B:LEU:HD13	5	1.54
(1,428)	2:190:B:VAL:HG13	2:194:B:LEU:HD11	5	1.54
(1,428)	2:190:B:VAL:HG13	2:194:B:LEU:HD12	5	1.54
(1,428)	2:190:B:VAL:HG13	2:194:B:LEU:HD13	5	1.54
(1,2744)	1:234:A:THR:HB	1:224:A:GLN:HE21	3	1.53
(1,1412)	2:225:B:PHE:HD1	2:255:B:SER:HB3	3	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	2:225:B:PHE:HD2	2:255:B:SER:HB3	3	1.53
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	5	1.53
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	5	1.53
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	5	1.53
(1,1321)	2:236:B:LYS:HB2	1:224:A:GLN:HG2	2	1.53
(1,1006)	2:295:B:LEU:HD11	2:292:B:HIS:HA	16	1.53
(1,1006)	2:295:B:LEU:HD12	2:292:B:HIS:HA	16	1.53
(1,1006)	2:295:B:LEU:HD13	2:292:B:HIS:HA	16	1.53
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD21	20	1.53
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD22	20	1.53
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD23	20	1.53
(1,2601)	2:305:B:LEU:HD21	2:301:B:ASN:H	3	1.52
(1,2601)	2:305:B:LEU:HD22	2:301:B:ASN:H	3	1.52
(1,2601)	2:305:B:LEU:HD23	2:301:B:ASN:H	3	1.52
(1,3805)	2:263:B:LEU:HD21	2:266:B:LEU:HD11	12	1.51
(1,3805)	2:263:B:LEU:HD21	2:266:B:LEU:HD12	12	1.51
(1,3805)	2:263:B:LEU:HD21	2:266:B:LEU:HD13	12	1.51
(1,3805)	2:263:B:LEU:HD22	2:266:B:LEU:HD11	12	1.51
(1,3805)	2:263:B:LEU:HD22	2:266:B:LEU:HD12	12	1.51
(1,3805)	2:263:B:LEU:HD22	2:266:B:LEU:HD13	12	1.51
(1,3805)	2:263:B:LEU:HD23	2:266:B:LEU:HD11	12	1.51
(1,3805)	2:263:B:LEU:HD23	2:266:B:LEU:HD12	12	1.51
(1,3805)	2:263:B:LEU:HD23	2:266:B:LEU:HD13	12	1.51
(1,2068)	2:228:B:MET:HG3	2:232:B:GLN:HE22	14	1.51
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG11	15	1.51
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG12	15	1.51
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG13	15	1.51
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG11	15	1.51
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG12	15	1.51
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG13	15	1.51
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	5	1.5
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	5	1.5
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	5	1.5
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	5	1.5
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	5	1.5
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	5	1.5
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	5	1.5
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	5	1.5
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	5	1.5
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	17	1.5
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	17	1.5
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	17	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	17	1.5
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	17	1.5
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	17	1.5
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	17	1.5
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	17	1.5
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	17	1.5
(1,3011)	1:211:A:GLU:HG3	1:207:A:ARG:HG3	10	1.5
(1,1321)	2:236:B:LYS:HB2	1:224:A:GLN:HG2	20	1.5
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD21	19	1.5
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD22	19	1.5
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD23	19	1.5
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG11	18	1.5
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG12	18	1.5
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG13	18	1.5
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG11	18	1.5
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG12	18	1.5
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG13	18	1.5
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD11	10	1.5
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD12	10	1.5
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD13	10	1.5
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	17	1.49
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	17	1.49
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	17	1.49
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	17	1.49
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	17	1.49
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	17	1.49
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG11	16	1.49
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG12	16	1.49
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG13	16	1.49
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG11	16	1.49
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG12	16	1.49
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG13	16	1.49
(1,7)	1:231:A:LEU:HD11	2:168:B:LEU:HD11	7	1.49
(1,7)	1:231:A:LEU:HD11	2:168:B:LEU:HD12	7	1.49
(1,7)	1:231:A:LEU:HD11	2:168:B:LEU:HD13	7	1.49
(1,7)	1:231:A:LEU:HD12	2:168:B:LEU:HD11	7	1.49
(1,7)	1:231:A:LEU:HD12	2:168:B:LEU:HD12	7	1.49
(1,7)	1:231:A:LEU:HD12	2:168:B:LEU:HD13	7	1.49
(1,7)	1:231:A:LEU:HD13	2:168:B:LEU:HD11	7	1.49
(1,7)	1:231:A:LEU:HD13	2:168:B:LEU:HD12	7	1.49
(1,7)	1:231:A:LEU:HD13	2:168:B:LEU:HD13	7	1.49
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG11	17	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG12	17	1.48
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG13	17	1.48
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG11	17	1.48
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG12	17	1.48
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG13	17	1.48
(1,3805)	2:284:B:LEU:HD11	2:279:B:LEU:HD21	8	1.47
(1,3805)	2:284:B:LEU:HD11	2:279:B:LEU:HD22	8	1.47
(1,3805)	2:284:B:LEU:HD11	2:279:B:LEU:HD23	8	1.47
(1,3805)	2:284:B:LEU:HD12	2:279:B:LEU:HD21	8	1.47
(1,3805)	2:284:B:LEU:HD12	2:279:B:LEU:HD22	8	1.47
(1,3805)	2:284:B:LEU:HD12	2:279:B:LEU:HD23	8	1.47
(1,3805)	2:284:B:LEU:HD13	2:279:B:LEU:HD21	8	1.47
(1,3805)	2:284:B:LEU:HD13	2:279:B:LEU:HD22	8	1.47
(1,3805)	2:284:B:LEU:HD13	2:279:B:LEU:HD23	8	1.47
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD21	12	1.47
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD22	12	1.47
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD23	12	1.47
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD21	17	1.46
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD22	17	1.46
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD23	17	1.46
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD21	1	1.46
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD22	1	1.46
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD23	1	1.46
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD21	12	1.46
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD22	12	1.46
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD23	12	1.46
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD21	8	1.46
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD22	8	1.46
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD23	8	1.46
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	10	1.45
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	10	1.45
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	10	1.45
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	10	1.45
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	10	1.45
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	10	1.45
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	10	1.45
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	10	1.45
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	10	1.45
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	13	1.45
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	13	1.45
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	13	1.45
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	13	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	13	1.45
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	13	1.45
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	13	1.45
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	13	1.45
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	13	1.45
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG11	1	1.45
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG12	1	1.45
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG13	1	1.45
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG11	1	1.45
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG12	1	1.45
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG13	1	1.45
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	1	1.44
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	1	1.44
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	1	1.44
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	1	1.44
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	1	1.44
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	1	1.44
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	1	1.44
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	1	1.44
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	1	1.44
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	11	1.44
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	11	1.44
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	11	1.44
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	11	1.44
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	11	1.44
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	11	1.44
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	11	1.44
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	11	1.44
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	11	1.44
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	14	1.44
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	14	1.44
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	14	1.44
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	14	1.44
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	14	1.44
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	14	1.44
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	14	1.44
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	14	1.44
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	14	1.44
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD11	16	1.44
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD12	16	1.44
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD13	16	1.44
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD11	16	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD12	16	1.44
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD13	16	1.44
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD11	16	1.44
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD12	16	1.44
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD13	16	1.44
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD11	17	1.44
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD12	17	1.44
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD13	17	1.44
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD11	17	1.44
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD12	17	1.44
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD13	17	1.44
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD11	17	1.44
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD12	17	1.44
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD13	17	1.44
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD21	2	1.44
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD22	2	1.44
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD23	2	1.44
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG21	5	1.44
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG22	5	1.44
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG23	5	1.44
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG21	5	1.44
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG22	5	1.44
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG23	5	1.44
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG21	5	1.44
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG22	5	1.44
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG23	5	1.44
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD11	11	1.43
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD12	11	1.43
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD13	11	1.43
(1,2601)	2:305:B:LEU:HD21	2:301:B:ASN:H	4	1.42
(1,2601)	2:305:B:LEU:HD22	2:301:B:ASN:H	4	1.42
(1,2601)	2:305:B:LEU:HD23	2:301:B:ASN:H	4	1.42
(1,1321)	2:236:B:LYS:HB2	1:224:A:GLN:HG2	7	1.42
(1,240)	2:302:B:SER:HB2	2:164:B:LEU:HD21	15	1.42
(1,240)	2:302:B:SER:HB2	2:164:B:LEU:HD22	15	1.42
(1,240)	2:302:B:SER:HB2	2:164:B:LEU:HD23	15	1.42
(1,3958)	2:267:B:PHE:HE1	2:193:B:ILE:HD11	1	1.41
(1,3958)	2:267:B:PHE:HE1	2:193:B:ILE:HD12	1	1.41
(1,3958)	2:267:B:PHE:HE1	2:193:B:ILE:HD13	1	1.41
(1,3958)	2:267:B:PHE:HE2	2:193:B:ILE:HD11	1	1.41
(1,3958)	2:267:B:PHE:HE2	2:193:B:ILE:HD12	1	1.41
(1,3958)	2:267:B:PHE:HE2	2:193:B:ILE:HD13	1	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3727)	2:219:B:ALA:HB1	2:223:B:GLU:HG2	2	1.41
(1,3727)	2:219:B:ALA:HB2	2:223:B:GLU:HG2	2	1.41
(1,3727)	2:219:B:ALA:HB3	2:223:B:GLU:HG2	2	1.41
(1,3653)	2:176:B:THR:HA	2:179:B:LYS:HD3	9	1.41
(1,2602)	2:164:B:LEU:HD21	2:302:B:SER:H	3	1.41
(1,2602)	2:164:B:LEU:HD22	2:302:B:SER:H	3	1.41
(1,2602)	2:164:B:LEU:HD23	2:302:B:SER:H	3	1.41
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	19	1.4
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	19	1.4
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	19	1.4
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	19	1.4
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	19	1.4
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	19	1.4
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	19	1.4
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	19	1.4
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	19	1.4
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	3	1.4
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	3	1.4
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	3	1.4
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	3	1.4
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	3	1.4
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	3	1.4
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	3	1.4
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	3	1.4
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	3	1.4
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	19	1.4
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	19	1.4
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	19	1.4
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	19	1.4
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	19	1.4
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	19	1.4
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	19	1.4
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	19	1.4
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	19	1.4
(1,3659)	2:258:B:TYR:HA	2:184:B:LEU:HD11	1	1.4
(1,3659)	2:258:B:TYR:HA	2:184:B:LEU:HD12	1	1.4
(1,3659)	2:258:B:TYR:HA	2:184:B:LEU:HD13	1	1.4
(1,155)	1:210:A:PHE:HE1	2:287:B:LEU:HD11	16	1.4
(1,155)	1:210:A:PHE:HE1	2:287:B:LEU:HD12	16	1.4
(1,155)	1:210:A:PHE:HE1	2:287:B:LEU:HD13	16	1.4
(1,155)	1:210:A:PHE:HE2	2:287:B:LEU:HD11	16	1.4
(1,155)	1:210:A:PHE:HE2	2:287:B:LEU:HD12	16	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:210:A:PHE:HE2	2:287:B:LEU:HD13	16	1.4
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	3	1.39
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	3	1.39
(1,3958)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	3	1.39
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	3	1.39
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	3	1.39
(1,3958)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	3	1.39
(1,3913)	2:172:B:TRP:HH2	2:173:B:ASP:HB3	18	1.39
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD21	4	1.39
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD22	4	1.39
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD23	4	1.39
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD21	4	1.39
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD22	4	1.39
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD23	4	1.39
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD21	4	1.39
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD22	4	1.39
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD23	4	1.39
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD11	10	1.39
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD12	10	1.39
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD13	10	1.39
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD11	10	1.39
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD12	10	1.39
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD13	10	1.39
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD11	8	1.39
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD12	8	1.39
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD13	8	1.39
(1,3215)	1:205:A:GLN:HG2	1:206:A:LEU:HD21	11	1.38
(1,3215)	1:205:A:GLN:HG2	1:206:A:LEU:HD22	11	1.38
(1,3215)	1:205:A:GLN:HG2	1:206:A:LEU:HD23	11	1.38
(1,1208)	2:286:B:LEU:HD21	1:204:A:PRO:HB3	17	1.38
(1,1208)	2:286:B:LEU:HD22	1:204:A:PRO:HB3	17	1.38
(1,1208)	2:286:B:LEU:HD23	1:204:A:PRO:HB3	17	1.38
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD11	13	1.38
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD12	13	1.38
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD13	13	1.38
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD11	13	1.38
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD12	13	1.38
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD13	13	1.38
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD11	13	1.38
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD12	13	1.38
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD13	13	1.38
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	13	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	13	1.38
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	13	1.38
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	13	1.38
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	13	1.38
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	13	1.38
(1,3894)	2:236:B:LYS:HG3	1:224:A:GLN:HG2	10	1.37
(1,3868)	2:277:B:THR:HG21	1:211:A:GLU:HB2	15	1.37
(1,3868)	2:277:B:THR:HG22	1:211:A:GLU:HB2	15	1.37
(1,3868)	2:277:B:THR:HG23	1:211:A:GLU:HB2	15	1.37
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD11	11	1.37
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD12	11	1.37
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD13	11	1.37
(1,3526)	1:228:A:PRO:HG2	1:231:A:LEU:HD11	13	1.36
(1,3526)	1:228:A:PRO:HG2	1:231:A:LEU:HD12	13	1.36
(1,3526)	1:228:A:PRO:HG2	1:231:A:LEU:HD13	13	1.36
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD11	18	1.36
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD12	18	1.36
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD13	18	1.36
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD11	18	1.36
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD12	18	1.36
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD13	18	1.36
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD11	18	1.36
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD12	18	1.36
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD13	18	1.36
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG11	4	1.36
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG12	4	1.36
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG13	4	1.36
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG11	4	1.36
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG12	4	1.36
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG13	4	1.36
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG11	14	1.36
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG12	14	1.36
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG13	14	1.36
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG11	14	1.36
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG12	14	1.36
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG13	14	1.36
(1,3958)	2:267:B:PHE:HE1	2:193:B:ILE:HD11	13	1.35
(1,3958)	2:267:B:PHE:HE1	2:193:B:ILE:HD12	13	1.35
(1,3958)	2:267:B:PHE:HE1	2:193:B:ILE:HD13	13	1.35
(1,3958)	2:267:B:PHE:HE2	2:193:B:ILE:HD11	13	1.35
(1,3958)	2:267:B:PHE:HE2	2:193:B:ILE:HD12	13	1.35
(1,3958)	2:267:B:PHE:HE2	2:193:B:ILE:HD13	13	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG11	5	1.35
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG12	5	1.35
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG13	5	1.35
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG11	5	1.35
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG12	5	1.35
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG13	5	1.35
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD11	20	1.35
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD12	20	1.35
(1,276)	2:181:B:LEU:HD11	2:175:B:ILE:HD13	20	1.35
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD11	20	1.35
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD12	20	1.35
(1,276)	2:181:B:LEU:HD12	2:175:B:ILE:HD13	20	1.35
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD11	20	1.35
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD12	20	1.35
(1,276)	2:181:B:LEU:HD13	2:175:B:ILE:HD13	20	1.35
(1,3868)	2:277:B:THR:HG21	1:211:A:GLU:HB2	17	1.34
(1,3868)	2:277:B:THR:HG22	1:211:A:GLU:HB2	17	1.34
(1,3868)	2:277:B:THR:HG23	1:211:A:GLU:HB2	17	1.34
(1,3738)	2:269:B:ARG:HB2	2:233:B:LEU:HD21	4	1.34
(1,3738)	2:269:B:ARG:HB2	2:233:B:LEU:HD22	4	1.34
(1,3738)	2:269:B:ARG:HB2	2:233:B:LEU:HD23	4	1.34
(1,1337)	2:169:B:VAL:HG21	1:231:A:LEU:HB3	17	1.34
(1,1337)	2:169:B:VAL:HG22	1:231:A:LEU:HB3	17	1.34
(1,1337)	2:169:B:VAL:HG23	1:231:A:LEU:HB3	17	1.34
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE2	17	1.33
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE2	17	1.33
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE2	17	1.33
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD11	19	1.33
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD12	19	1.33
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD13	19	1.33
(1,2068)	2:228:B:MET:HG3	2:232:B:GLN:HE22	13	1.32
(1,1344)	2:165:B:LYS:HA	1:231:A:LEU:HD21	13	1.32
(1,1344)	2:165:B:LYS:HA	1:231:A:LEU:HD22	13	1.32
(1,1344)	2:165:B:LYS:HA	1:231:A:LEU:HD23	13	1.32
(1,1208)	2:286:B:LEU:HD21	1:204:A:PRO:HB3	4	1.32
(1,1208)	2:286:B:LEU:HD22	1:204:A:PRO:HB3	4	1.32
(1,1208)	2:286:B:LEU:HD23	1:204:A:PRO:HB3	4	1.32
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	16	1.32
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	16	1.32
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	16	1.32
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	16	1.32
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	16	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	16	1.32
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG11	8	1.32
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG12	8	1.32
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG13	8	1.32
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG11	8	1.32
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG12	8	1.32
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG13	8	1.32
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD21	18	1.31
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD22	18	1.31
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD23	18	1.31
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD21	18	1.31
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD22	18	1.31
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD23	18	1.31
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD21	18	1.31
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD22	18	1.31
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD23	18	1.31
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	7	1.31
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	7	1.31
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	7	1.31
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	7	1.31
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	7	1.31
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	7	1.31
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	7	1.31
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	7	1.31
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	7	1.31
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD21	6	1.31
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD22	6	1.31
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD23	6	1.31
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD21	6	1.31
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD22	6	1.31
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD23	6	1.31
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD21	6	1.31
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD22	6	1.31
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD23	6	1.31
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD21	7	1.31
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD22	7	1.31
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD23	7	1.31
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD21	7	1.31
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD22	7	1.31
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD23	7	1.31
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD21	7	1.31
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD22	7	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD23	7	1.31
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD21	6	1.31
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD22	6	1.31
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD23	6	1.31
(1,2602)	2:164:B:LEU:HD21	2:302:B:SER:H	12	1.31
(1,2602)	2:164:B:LEU:HD22	2:302:B:SER:H	12	1.31
(1,2602)	2:164:B:LEU:HD23	2:302:B:SER:H	12	1.31
(1,1321)	2:236:B:LYS:HB2	1:224:A:GLN:HG2	5	1.31
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	17	1.3
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	17	1.3
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	17	1.3
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	17	1.3
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	17	1.3
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	17	1.3
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	17	1.3
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	17	1.3
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	17	1.3
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD21	15	1.3
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD22	15	1.3
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD23	15	1.3
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD21	15	1.3
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD22	15	1.3
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD23	15	1.3
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD21	15	1.3
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD22	15	1.3
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD23	15	1.3
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD11	10	1.3
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD12	10	1.3
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD13	10	1.3
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD11	10	1.3
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD12	10	1.3
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD13	10	1.3
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD11	10	1.3
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD12	10	1.3
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD13	10	1.3
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD11	12	1.3
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD12	12	1.3
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD13	12	1.3
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD11	12	1.3
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD12	12	1.3
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD13	12	1.3
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD11	12	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD12	12	1.3
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD13	12	1.3
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD21	17	1.3
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD22	17	1.3
(1,144)	1:205:A:GLN:HB3	2:286:B:LEU:HD23	17	1.3
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD11	16	1.29
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD12	16	1.29
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD13	16	1.29
(1,3189)	1:207:A:ARG:HG3	1:211:A:GLU:HG3	4	1.28
(1,1623)	2:168:B:LEU:HD11	2:165:B:LYS:H	13	1.28
(1,1623)	2:168:B:LEU:HD12	2:165:B:LYS:H	13	1.28
(1,1623)	2:168:B:LEU:HD13	2:165:B:LYS:H	13	1.28
(1,1335)	2:268:B:VAL:HG21	1:228:A:PRO:HB3	7	1.28
(1,1335)	2:268:B:VAL:HG22	1:228:A:PRO:HB3	7	1.28
(1,1335)	2:268:B:VAL:HG23	1:228:A:PRO:HB3	7	1.28
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD21	3	1.28
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD22	3	1.28
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD23	3	1.28
(1,225)	2:295:B:LEU:HD21	2:160:B:ILE:HG21	16	1.28
(1,225)	2:295:B:LEU:HD21	2:160:B:ILE:HG22	16	1.28
(1,225)	2:295:B:LEU:HD21	2:160:B:ILE:HG23	16	1.28
(1,225)	2:295:B:LEU:HD22	2:160:B:ILE:HG21	16	1.28
(1,225)	2:295:B:LEU:HD22	2:160:B:ILE:HG22	16	1.28
(1,225)	2:295:B:LEU:HD22	2:160:B:ILE:HG23	16	1.28
(1,225)	2:295:B:LEU:HD23	2:160:B:ILE:HG21	16	1.28
(1,225)	2:295:B:LEU:HD23	2:160:B:ILE:HG22	16	1.28
(1,225)	2:295:B:LEU:HD23	2:160:B:ILE:HG23	16	1.28
(1,1365)	2:172:B:TRP:HE3	2:169:B:VAL:HG11	17	1.27
(1,1365)	2:172:B:TRP:HE3	2:169:B:VAL:HG12	17	1.27
(1,1365)	2:172:B:TRP:HE3	2:169:B:VAL:HG13	17	1.27
(1,1343)	2:268:B:VAL:HG21	1:231:A:LEU:HD11	13	1.27
(1,1343)	2:268:B:VAL:HG21	1:231:A:LEU:HD12	13	1.27
(1,1343)	2:268:B:VAL:HG21	1:231:A:LEU:HD13	13	1.27
(1,1343)	2:268:B:VAL:HG22	1:231:A:LEU:HD11	13	1.27
(1,1343)	2:268:B:VAL:HG22	1:231:A:LEU:HD12	13	1.27
(1,1343)	2:268:B:VAL:HG22	1:231:A:LEU:HD13	13	1.27
(1,1343)	2:268:B:VAL:HG23	1:231:A:LEU:HD11	13	1.27
(1,1343)	2:268:B:VAL:HG23	1:231:A:LEU:HD12	13	1.27
(1,1343)	2:268:B:VAL:HG23	1:231:A:LEU:HD13	13	1.27
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD11	3	1.27
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD12	3	1.27
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD13	3	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD11	3	1.27
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD12	3	1.27
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD13	3	1.27
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD11	3	1.27
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD12	3	1.27
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD13	3	1.27
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	10	1.26
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	10	1.26
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	10	1.26
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	10	1.26
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	10	1.26
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	10	1.26
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	10	1.26
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	10	1.26
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	10	1.26
(1,3533)	1:230:A:GLU:HG3	1:231:A:LEU:HD21	7	1.26
(1,3533)	1:230:A:GLU:HG3	1:231:A:LEU:HD22	7	1.26
(1,3533)	1:230:A:GLU:HG3	1:231:A:LEU:HD23	7	1.26
(1,1321)	2:236:B:LYS:HB2	1:224:A:GLN:HG2	6	1.26
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD11	10	1.26
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD12	10	1.26
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD13	10	1.26
(1,95)	1:213:A:LEU:HD11	2:273:B:MET:HG2	4	1.26
(1,95)	1:213:A:LEU:HD12	2:273:B:MET:HG2	4	1.26
(1,95)	1:213:A:LEU:HD13	2:273:B:MET:HG2	4	1.26
(1,3947)	2:258:B:TYR:HE1	2:184:B:LEU:HB2	1	1.25
(1,3947)	2:258:B:TYR:HE2	2:184:B:LEU:HB2	1	1.25
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	8	1.24
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	8	1.24
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	8	1.24
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	8	1.24
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	8	1.24
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	8	1.24
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	8	1.24
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	8	1.24
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	8	1.24
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	15	1.24
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	15	1.24
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	15	1.24
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	15	1.24
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	15	1.24
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	15	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	15	1.24
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	15	1.24
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	15	1.24
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD21	11	1.24
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD22	11	1.24
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD23	11	1.24
(1,3653)	2:176:B:THR:HA	2:179:B:LYS:HD3	1	1.24
(1,1321)	2:236:B:LYS:HB2	1:224:A:GLN:HG2	13	1.24
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD21	7	1.24
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD22	7	1.24
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD23	7	1.24
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE3	14	1.24
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE3	14	1.24
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE3	14	1.24
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	5	1.23
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	5	1.23
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	5	1.23
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	5	1.23
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	5	1.23
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	5	1.23
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	5	1.23
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	5	1.23
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	5	1.23
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	6	1.23
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	6	1.23
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	6	1.23
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	6	1.23
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	6	1.23
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	6	1.23
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	6	1.23
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	6	1.23
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	6	1.23
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD11	6	1.23
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD12	6	1.23
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD13	6	1.23
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD11	6	1.23
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD12	6	1.23
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD13	6	1.23
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD11	6	1.23
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD12	6	1.23
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD13	6	1.23
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD21	14	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD22	14	1.23
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD23	14	1.23
(1,3905)	2:168:B:LEU:HD11	1:228:A:PRO:HG2	16	1.22
(1,3905)	2:168:B:LEU:HD12	1:228:A:PRO:HG2	16	1.22
(1,3905)	2:168:B:LEU:HD13	1:228:A:PRO:HG2	16	1.22
(1,3067)	1:202:A:VAL:HG21	1:203:A:GLN:HG3	17	1.22
(1,3067)	1:202:A:VAL:HG22	1:203:A:GLN:HG3	17	1.22
(1,3067)	1:202:A:VAL:HG23	1:203:A:GLN:HG3	17	1.22
(1,2602)	2:164:B:LEU:HD21	2:302:B:SER:H	11	1.22
(1,2602)	2:164:B:LEU:HD22	2:302:B:SER:H	11	1.22
(1,2602)	2:164:B:LEU:HD23	2:302:B:SER:H	11	1.22
(1,1337)	2:169:B:VAL:HG21	1:231:A:LEU:HB3	15	1.22
(1,1337)	2:169:B:VAL:HG22	1:231:A:LEU:HB3	15	1.22
(1,1337)	2:169:B:VAL:HG23	1:231:A:LEU:HB3	15	1.22
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD21	11	1.22
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD22	11	1.22
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD23	11	1.22
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	15	1.21
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	15	1.21
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	15	1.21
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	15	1.21
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	15	1.21
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	15	1.21
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	3	1.21
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	3	1.21
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	3	1.21
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	3	1.21
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	3	1.21
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	3	1.21
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	3	1.21
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	3	1.21
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	3	1.21
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	11	1.21
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	11	1.21
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	11	1.21
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	11	1.21
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	11	1.21
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	11	1.21
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	11	1.21
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	11	1.21
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	11	1.21
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD21	2	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD22	2	1.21
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD23	2	1.21
(1,3958)	2:267:B:PHE:HE1	2:193:B:ILE:HD11	11	1.2
(1,3958)	2:267:B:PHE:HE1	2:193:B:ILE:HD12	11	1.2
(1,3958)	2:267:B:PHE:HE1	2:193:B:ILE:HD13	11	1.2
(1,3958)	2:267:B:PHE:HE2	2:193:B:ILE:HD11	11	1.2
(1,3958)	2:267:B:PHE:HE2	2:193:B:ILE:HD12	11	1.2
(1,3958)	2:267:B:PHE:HE2	2:193:B:ILE:HD13	11	1.2
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD21	5	1.2
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD22	5	1.2
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD23	5	1.2
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD21	5	1.2
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD22	5	1.2
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD23	5	1.2
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD21	5	1.2
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD22	5	1.2
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD23	5	1.2
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	4	1.2
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	4	1.2
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	4	1.2
(1,1214)	2:286:B:LEU:HG	1:206:A:LEU:HD11	17	1.2
(1,1214)	2:286:B:LEU:HG	1:206:A:LEU:HD12	17	1.2
(1,1214)	2:286:B:LEU:HG	1:206:A:LEU:HD13	17	1.2
(1,151)	1:206:A:LEU:HD11	2:287:B:LEU:HD11	4	1.2
(1,151)	1:206:A:LEU:HD11	2:287:B:LEU:HD12	4	1.2
(1,151)	1:206:A:LEU:HD11	2:287:B:LEU:HD13	4	1.2
(1,151)	1:206:A:LEU:HD12	2:287:B:LEU:HD11	4	1.2
(1,151)	1:206:A:LEU:HD12	2:287:B:LEU:HD12	4	1.2
(1,151)	1:206:A:LEU:HD12	2:287:B:LEU:HD13	4	1.2
(1,151)	1:206:A:LEU:HD13	2:287:B:LEU:HD11	4	1.2
(1,151)	1:206:A:LEU:HD13	2:287:B:LEU:HD12	4	1.2
(1,151)	1:206:A:LEU:HD13	2:287:B:LEU:HD13	4	1.2
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	9	1.19
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	9	1.19
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	9	1.19
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	9	1.19
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	9	1.19
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	9	1.19
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	9	1.19
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	9	1.19
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	9	1.19
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG11	10	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG12	10	1.19
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG13	10	1.19
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG11	10	1.19
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG12	10	1.19
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG13	10	1.19
(1,3844)	2:184:B:LEU:HG	2:257:B:VAL:HG21	15	1.18
(1,3844)	2:184:B:LEU:HG	2:257:B:VAL:HG22	15	1.18
(1,3844)	2:184:B:LEU:HG	2:257:B:VAL:HG23	15	1.18
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB1	1	1.18
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB2	1	1.18
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB3	1	1.18
(1,3653)	2:176:B:THR:HA	2:179:B:LYS:HD3	2	1.18
(1,3480)	1:231:A:LEU:HD11	1:228:A:PRO:HB2	13	1.18
(1,3480)	1:231:A:LEU:HD12	1:228:A:PRO:HB2	13	1.18
(1,3480)	1:231:A:LEU:HD13	1:228:A:PRO:HB2	13	1.18
(1,3074)	1:204:A:PRO:HD2	1:203:A:GLN:HG3	16	1.18
(1,2601)	2:305:B:LEU:HD21	2:301:B:ASN:H	16	1.18
(1,2601)	2:305:B:LEU:HD22	2:301:B:ASN:H	16	1.18
(1,2601)	2:305:B:LEU:HD23	2:301:B:ASN:H	16	1.18
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD11	2	1.18
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD12	2	1.18
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD13	2	1.18
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD11	16	1.18
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD12	16	1.18
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD13	16	1.18
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD11	8	1.18
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD12	8	1.18
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD13	8	1.18
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG11	12	1.18
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG12	12	1.18
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG13	12	1.18
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG11	12	1.18
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG12	12	1.18
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG13	12	1.18
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG11	6	1.18
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG12	6	1.18
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG13	6	1.18
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG11	6	1.18
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG12	6	1.18
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG13	6	1.18
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD21	5	1.17
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD22	5	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD23	5	1.17
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD21	5	1.17
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD22	5	1.17
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD23	5	1.17
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD21	5	1.17
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD22	5	1.17
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD23	5	1.17
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD11	4	1.17
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD12	4	1.17
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD13	4	1.17
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD11	4	1.17
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD12	4	1.17
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD13	4	1.17
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD11	4	1.17
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD12	4	1.17
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD13	4	1.17
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE3	5	1.17
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE3	5	1.17
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE3	5	1.17
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	2	1.16
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	2	1.16
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	2	1.16
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	2	1.16
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	2	1.16
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	2	1.16
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD21	17	1.16
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD22	17	1.16
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD23	17	1.16
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD21	17	1.16
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD22	17	1.16
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD23	17	1.16
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD21	17	1.16
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD22	17	1.16
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD23	17	1.16
(1,2744)	1:234:A:THR:HB	1:224:A:GLN:HE21	18	1.16
(1,1729)	2:313:B:VAL:HG11	2:180:B:GLN:H	9	1.16
(1,1729)	2:313:B:VAL:HG12	2:180:B:GLN:H	9	1.16
(1,1729)	2:313:B:VAL:HG13	2:180:B:GLN:H	9	1.16
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD21	12	1.16
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD22	12	1.16
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD23	12	1.16
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG11	19	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG12	19	1.16
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG13	19	1.16
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG11	19	1.16
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG12	19	1.16
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG13	19	1.16
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD11	3	1.16
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD12	3	1.16
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD13	3	1.16
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD11	13	1.15
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD12	13	1.15
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD13	13	1.15
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD11	13	1.15
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD12	13	1.15
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD13	13	1.15
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD21	12	1.15
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD22	12	1.15
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD23	12	1.15
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD21	12	1.15
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD22	12	1.15
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD23	12	1.15
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD21	12	1.15
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD22	12	1.15
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD23	12	1.15
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD21	10	1.15
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD22	10	1.15
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD23	10	1.15
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD21	10	1.15
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD22	10	1.15
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD23	10	1.15
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD21	10	1.15
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD22	10	1.15
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD23	10	1.15
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD21	13	1.15
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD22	13	1.15
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD23	13	1.15
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD21	13	1.15
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD22	13	1.15
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD23	13	1.15
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD21	13	1.15
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD22	13	1.15
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD23	13	1.15
(1,1214)	2:286:B:LEU:HG	1:206:A:LEU:HD11	4	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	2:286:B:LEU:HG	1:206:A:LEU:HD12	4	1.15
(1,1214)	2:286:B:LEU:HG	1:206:A:LEU:HD13	4	1.15
(1,3894)	2:236:B:LYS:HG3	1:224:A:GLN:HG2	12	1.14
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD21	8	1.14
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD22	8	1.14
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD23	8	1.14
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD21	8	1.14
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD22	8	1.14
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD23	8	1.14
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD21	8	1.14
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD22	8	1.14
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD23	8	1.14
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD21	11	1.14
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD22	11	1.14
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD23	11	1.14
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD21	11	1.14
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD22	11	1.14
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD23	11	1.14
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD21	11	1.14
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD22	11	1.14
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD23	11	1.14
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD21	14	1.14
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD22	14	1.14
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD23	14	1.14
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD21	14	1.14
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD22	14	1.14
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD23	14	1.14
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD21	14	1.14
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD22	14	1.14
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD23	14	1.14
(1,3475)	1:231:A:LEU:HD11	1:228:A:PRO:HB3	13	1.14
(1,3475)	1:231:A:LEU:HD12	1:228:A:PRO:HB3	13	1.14
(1,3475)	1:231:A:LEU:HD13	1:228:A:PRO:HB3	13	1.14
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	14	1.14
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	14	1.14
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	14	1.14
(1,1215)	2:287:B:LEU:HA	1:206:A:LEU:HD11	11	1.14
(1,1215)	2:287:B:LEU:HA	1:206:A:LEU:HD12	11	1.14
(1,1215)	2:287:B:LEU:HA	1:206:A:LEU:HD13	11	1.14
(1,969)	2:290:B:TYR:HB2	2:287:B:LEU:HD11	16	1.14
(1,969)	2:290:B:TYR:HB2	2:287:B:LEU:HD12	16	1.14
(1,969)	2:290:B:TYR:HB2	2:287:B:LEU:HD13	16	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG11	13	1.14
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG12	13	1.14
(1,508)	2:290:B:TYR:HD1	2:214:B:VAL:HG13	13	1.14
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG11	13	1.14
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG12	13	1.14
(1,508)	2:290:B:TYR:HD2	2:214:B:VAL:HG13	13	1.14
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	2	1.13
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	2	1.13
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	2	1.13
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	2	1.13
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	2	1.13
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	2	1.13
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	2	1.13
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	2	1.13
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	2	1.13
(1,3844)	2:184:B:LEU:HG	2:257:B:VAL:HG21	5	1.13
(1,3844)	2:184:B:LEU:HG	2:257:B:VAL:HG22	5	1.13
(1,3844)	2:184:B:LEU:HG	2:257:B:VAL:HG23	5	1.13
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG21	8	1.13
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG22	8	1.13
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG23	8	1.13
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG21	8	1.13
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG22	8	1.13
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG23	8	1.13
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG21	8	1.13
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG22	8	1.13
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG23	8	1.13
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	19	1.13
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	19	1.13
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	19	1.13
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD11	8	1.13
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD12	8	1.13
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD13	8	1.13
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD11	8	1.13
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD12	8	1.13
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD13	8	1.13
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD11	8	1.13
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD12	8	1.13
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD13	8	1.13
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD21	12	1.12
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD22	12	1.12
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD23	12	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	2:174:B:LEU:HD11	2:178:B:GLN:HE22	14	1.12
(1,1690)	2:174:B:LEU:HD12	2:178:B:GLN:HE22	14	1.12
(1,1690)	2:174:B:LEU:HD13	2:178:B:GLN:HE22	14	1.12
(1,1690)	2:174:B:LEU:HD11	2:178:B:GLN:HE22	20	1.12
(1,1690)	2:174:B:LEU:HD12	2:178:B:GLN:HE22	20	1.12
(1,1690)	2:174:B:LEU:HD13	2:178:B:GLN:HE22	20	1.12
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD11	4	1.12
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD12	4	1.12
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD13	4	1.12
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD11	4	1.12
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD12	4	1.12
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD13	4	1.12
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD11	4	1.12
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD12	4	1.12
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD13	4	1.12
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD11	11	1.12
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD12	11	1.12
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD13	11	1.12
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD11	11	1.12
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD12	11	1.12
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD13	11	1.12
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD11	11	1.12
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD12	11	1.12
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD13	11	1.12
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD11	11	1.12
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD12	11	1.12
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD13	11	1.12
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD11	11	1.12
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD12	11	1.12
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD13	11	1.12
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD11	11	1.12
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD12	11	1.12
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD13	11	1.12
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD11	17	1.12
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD12	17	1.12
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD13	17	1.12
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD11	17	1.12
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD12	17	1.12
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD13	17	1.12
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD11	17	1.12
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD12	17	1.12
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD13	17	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD21	15	1.12
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD22	15	1.12
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD23	15	1.12
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	15	1.12
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	15	1.12
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	15	1.12
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD21	15	1.11
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD22	15	1.11
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD23	15	1.11
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD21	15	1.11
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD22	15	1.11
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD23	15	1.11
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD21	15	1.11
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD22	15	1.11
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD23	15	1.11
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	12	1.11
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	12	1.11
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	12	1.11
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	12	1.11
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	12	1.11
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	12	1.11
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	12	1.11
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	12	1.11
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	12	1.11
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	18	1.11
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	18	1.11
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	18	1.11
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	18	1.11
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	18	1.11
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	18	1.11
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	18	1.11
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	18	1.11
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	18	1.11
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD21	2	1.11
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD22	2	1.11
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD23	2	1.11
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD21	2	1.11
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD22	2	1.11
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD23	2	1.11
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD21	2	1.11
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD22	2	1.11
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD23	2	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	12	1.11
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	12	1.11
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	12	1.11
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	12	1.11
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	12	1.11
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	12	1.11
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	12	1.11
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	12	1.11
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	12	1.11
(1,2068)	2:228:B:MET:HG3	2:232:B:GLN:HE22	12	1.11
(1,378)	2:187:B:LYS:HG2	2:187:B:LYS:HE3	2	1.11
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD11	17	1.11
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD12	17	1.11
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD13	17	1.11
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD11	11	1.1
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD12	11	1.1
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD13	11	1.1
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD11	11	1.1
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD12	11	1.1
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD13	11	1.1
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD11	11	1.1
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD12	11	1.1
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD13	11	1.1
(1,3894)	2:236:B:LYS:HG3	1:224:A:GLN:HG2	1	1.1
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD21	3	1.1
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD22	3	1.1
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD23	3	1.1
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD21	3	1.1
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD22	3	1.1
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD23	3	1.1
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD21	3	1.1
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD22	3	1.1
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD23	3	1.1
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD21	19	1.1
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD22	19	1.1
(1,3814)	2:279:B:LEU:HD21	2:284:B:LEU:HD23	19	1.1
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD21	19	1.1
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD22	19	1.1
(1,3814)	2:279:B:LEU:HD22	2:284:B:LEU:HD23	19	1.1
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD21	19	1.1
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD22	19	1.1
(1,3814)	2:279:B:LEU:HD23	2:284:B:LEU:HD23	19	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB1	13	1.1
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB2	13	1.1
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB3	13	1.1
(1,1716)	2:174:B:LEU:HD11	2:180:B:GLN:HE22	14	1.1
(1,1716)	2:174:B:LEU:HD12	2:180:B:GLN:HE22	14	1.1
(1,1716)	2:174:B:LEU:HD13	2:180:B:GLN:HE22	14	1.1
(1,1208)	2:286:B:LEU:HD21	1:204:A:PRO:HB3	15	1.1
(1,1208)	2:286:B:LEU:HD22	1:204:A:PRO:HB3	15	1.1
(1,1208)	2:286:B:LEU:HD23	1:204:A:PRO:HB3	15	1.1
(1,378)	2:187:B:LYS:HG2	2:187:B:LYS:HE3	4	1.1
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG21	14	1.09
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG22	14	1.09
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG23	14	1.09
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG21	14	1.09
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG22	14	1.09
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG23	14	1.09
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG21	14	1.09
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG22	14	1.09
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG23	14	1.09
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG21	19	1.09
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG22	19	1.09
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG23	19	1.09
(1,3383)	1:221:A:ASN:HB3	1:222:A:PRO:HD2	5	1.09
(1,1343)	2:268:B:VAL:HG21	1:231:A:LEU:HD11	16	1.09
(1,1343)	2:268:B:VAL:HG21	1:231:A:LEU:HD12	16	1.09
(1,1343)	2:268:B:VAL:HG21	1:231:A:LEU:HD13	16	1.09
(1,1343)	2:268:B:VAL:HG22	1:231:A:LEU:HD11	16	1.09
(1,1343)	2:268:B:VAL:HG22	1:231:A:LEU:HD12	16	1.09
(1,1343)	2:268:B:VAL:HG22	1:231:A:LEU:HD13	16	1.09
(1,1343)	2:268:B:VAL:HG23	1:231:A:LEU:HD11	16	1.09
(1,1343)	2:268:B:VAL:HG23	1:231:A:LEU:HD12	16	1.09
(1,1343)	2:268:B:VAL:HG23	1:231:A:LEU:HD13	16	1.09
(1,1321)	2:236:B:LYS:HB2	1:224:A:GLN:HG2	4	1.09
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE3	19	1.09
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE3	19	1.09
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE3	19	1.09
(1,378)	2:187:B:LYS:HG2	2:187:B:LYS:HE3	19	1.09
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD21	17	1.08
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD22	17	1.08
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD23	17	1.08
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD21	17	1.08
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD22	17	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD23	17	1.08
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD21	17	1.08
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD22	17	1.08
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD23	17	1.08
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD21	12	1.08
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD22	12	1.08
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD23	12	1.08
(1,3952)	2:262:B:HIS:HE1	2:184:B:LEU:HB2	8	1.07
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG11	2	1.07
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG12	2	1.07
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG13	2	1.07
(1,2804)	1:213:A:LEU:HB3	1:212:A:LEU:H	8	1.07
(1,1488)	2:292:B:HIS:HE1	2:288:B:LEU:HD21	16	1.07
(1,1488)	2:292:B:HIS:HE1	2:288:B:LEU:HD22	16	1.07
(1,1488)	2:292:B:HIS:HE1	2:288:B:LEU:HD23	16	1.07
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD11	4	1.07
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD12	4	1.07
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD13	4	1.07
(1,378)	2:187:B:LYS:HG2	2:187:B:LYS:HE3	14	1.07
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD11	17	1.06
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD12	17	1.06
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD13	17	1.06
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD11	17	1.06
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD12	17	1.06
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD13	17	1.06
(1,2602)	2:164:B:LEU:HD21	2:302:B:SER:H	16	1.06
(1,2602)	2:164:B:LEU:HD22	2:302:B:SER:H	16	1.06
(1,2602)	2:164:B:LEU:HD23	2:302:B:SER:H	16	1.06
(1,1365)	2:172:B:TRP:HE3	2:169:B:VAL:HG11	4	1.06
(1,1365)	2:172:B:TRP:HE3	2:169:B:VAL:HG12	4	1.06
(1,1365)	2:172:B:TRP:HE3	2:169:B:VAL:HG13	4	1.06
(1,1321)	2:236:B:LYS:HB2	1:224:A:GLN:HG2	17	1.06
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG21	20	1.06
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG22	20	1.06
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG23	20	1.06
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG21	20	1.06
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG22	20	1.06
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG23	20	1.06
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG21	20	1.06
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG22	20	1.06
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG23	20	1.06
(1,3894)	2:236:B:LYS:HG3	1:224:A:GLN:HG2	19	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG21	17	1.05
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG22	17	1.05
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG23	17	1.05
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG21	17	1.05
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG22	17	1.05
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG23	17	1.05
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG21	17	1.05
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG22	17	1.05
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG23	17	1.05
(1,3383)	1:221:A:ASN:HB3	1:222:A:PRO:HD2	7	1.05
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD21	4	1.05
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD22	4	1.05
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD23	4	1.05
(1,3949)	2:267:B:PHE:HD1	2:263:B:LEU:HD21	1	1.04
(1,3949)	2:267:B:PHE:HD1	2:263:B:LEU:HD22	1	1.04
(1,3949)	2:267:B:PHE:HD1	2:263:B:LEU:HD23	1	1.04
(1,3949)	2:267:B:PHE:HD2	2:263:B:LEU:HD21	1	1.04
(1,3949)	2:267:B:PHE:HD2	2:263:B:LEU:HD22	1	1.04
(1,3949)	2:267:B:PHE:HD2	2:263:B:LEU:HD23	1	1.04
(1,3913)	2:172:B:TRP:HH2	2:177:B:ARG:HD2	12	1.04
(1,3895)	2:236:B:LYS:HE2	1:224:A:GLN:HB2	16	1.04
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD21	11	1.04
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD22	11	1.04
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD23	11	1.04
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD21	11	1.04
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD22	11	1.04
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD23	11	1.04
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD21	11	1.04
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD22	11	1.04
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD23	11	1.04
(1,1321)	2:236:B:LYS:HB2	1:224:A:GLN:HG2	16	1.04
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD11	19	1.04
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD12	19	1.04
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD13	19	1.04
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD11	8	1.04
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD12	8	1.04
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD13	8	1.04
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD11	8	1.04
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD12	8	1.04
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD13	8	1.04
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD11	8	1.04
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD12	8	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD13	8	1.04
(1,378)	2:187:B:LYS:HG2	2:187:B:LYS:HE3	18	1.04
(1,3662)	2:184:B:LEU:HB2	2:185:B:PRO:HA	4	1.03
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB1	15	1.03
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB2	15	1.03
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB3	15	1.03
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD11	16	1.03
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD12	16	1.03
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD13	16	1.03
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD21	20	1.03
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD22	20	1.03
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD23	20	1.03
(1,247)	2:172:B:TRP:HZ3	2:169:B:VAL:HG11	17	1.03
(1,247)	2:172:B:TRP:HZ3	2:169:B:VAL:HG12	17	1.03
(1,247)	2:172:B:TRP:HZ3	2:169:B:VAL:HG13	17	1.03
(1,7)	1:231:A:LEU:HD11	2:168:B:LEU:HD11	13	1.03
(1,7)	1:231:A:LEU:HD11	2:168:B:LEU:HD12	13	1.03
(1,7)	1:231:A:LEU:HD11	2:168:B:LEU:HD13	13	1.03
(1,7)	1:231:A:LEU:HD12	2:168:B:LEU:HD11	13	1.03
(1,7)	1:231:A:LEU:HD12	2:168:B:LEU:HD12	13	1.03
(1,7)	1:231:A:LEU:HD12	2:168:B:LEU:HD13	13	1.03
(1,7)	1:231:A:LEU:HD13	2:168:B:LEU:HD11	13	1.03
(1,7)	1:231:A:LEU:HD13	2:168:B:LEU:HD12	13	1.03
(1,7)	1:231:A:LEU:HD13	2:168:B:LEU:HD13	13	1.03
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	17	1.02
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	17	1.02
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	17	1.02
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	17	1.02
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	17	1.02
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	17	1.02
(1,3895)	2:236:B:LYS:HE3	1:224:A:GLN:HB2	3	1.02
(1,3533)	1:230:A:GLU:HG3	1:231:A:LEU:HD21	16	1.02
(1,3533)	1:230:A:GLU:HG3	1:231:A:LEU:HD22	16	1.02
(1,3533)	1:230:A:GLU:HG3	1:231:A:LEU:HD23	16	1.02
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	5	1.02
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	5	1.02
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	5	1.02
(1,2744)	1:234:A:THR:HB	1:224:A:GLN:HE21	1	1.02
(1,2602)	2:164:B:LEU:HD21	2:302:B:SER:H	9	1.02
(1,2602)	2:164:B:LEU:HD22	2:302:B:SER:H	9	1.02
(1,2602)	2:164:B:LEU:HD23	2:302:B:SER:H	9	1.02
(1,1337)	2:169:B:VAL:HG21	1:231:A:LEU:HB3	4	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	2:169:B:VAL:HG22	1:231:A:LEU:HB3	4	1.02
(1,1337)	2:169:B:VAL:HG23	1:231:A:LEU:HB3	4	1.02
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD11	2	1.02
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD12	2	1.02
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD13	2	1.02
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD11	2	1.02
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD12	2	1.02
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD13	2	1.02
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD11	2	1.02
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD12	2	1.02
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD13	2	1.02
(1,1208)	2:286:B:LEU:HD21	1:204:A:PRO:HB3	12	1.02
(1,1208)	2:286:B:LEU:HD22	1:204:A:PRO:HB3	12	1.02
(1,1208)	2:286:B:LEU:HD23	1:204:A:PRO:HB3	12	1.02
(1,1006)	2:295:B:LEU:HD11	2:292:B:HIS:HA	7	1.02
(1,1006)	2:295:B:LEU:HD12	2:292:B:HIS:HA	7	1.02
(1,1006)	2:295:B:LEU:HD13	2:292:B:HIS:HA	7	1.02
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	13	1.02
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	13	1.02
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	13	1.02
(1,378)	2:187:B:LYS:HG2	2:187:B:LYS:HE3	12	1.02
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	1	1.01
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	1	1.01
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	1	1.01
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	1	1.01
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	1	1.01
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	1	1.01
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG11	6	1.01
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG12	6	1.01
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG13	6	1.01
(1,3610)	1:204:A:PRO:HA	2:286:B:LEU:HD21	4	1.01
(1,3610)	1:204:A:PRO:HA	2:286:B:LEU:HD22	4	1.01
(1,3610)	1:204:A:PRO:HA	2:286:B:LEU:HD23	4	1.01
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD21	10	1.01
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD22	10	1.01
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD23	10	1.01
(1,3913)	2:212:B:TYR:HD1	2:209:B:ASN:HB2	2	1.0
(1,3913)	2:212:B:TYR:HD2	2:209:B:ASN:HB2	2	1.0
(1,3895)	2:236:B:LYS:HE3	1:224:A:GLN:HB2	13	1.0
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD21	4	1.0
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD22	4	1.0
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD23	4	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD21	4	1.0
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD22	4	1.0
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD23	4	1.0
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD21	4	1.0
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD22	4	1.0
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD23	4	1.0
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	9	1.0
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	9	1.0
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	9	1.0
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG11	1	1.0
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG12	1	1.0
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG13	1	1.0
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG21	1	1.0
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG22	1	1.0
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG23	1	1.0
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG21	1	1.0
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG22	1	1.0
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG23	1	1.0
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG21	1	1.0
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG22	1	1.0
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG23	1	1.0
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG21	6	1.0
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG22	6	1.0
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG23	6	1.0
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG21	6	1.0
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG22	6	1.0
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG23	6	1.0
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG21	6	1.0
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG22	6	1.0
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG23	6	1.0
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	2	1.0
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	2	1.0
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	2	1.0
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	8	1.0
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	8	1.0
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	8	1.0
(1,1623)	2:168:B:LEU:HD11	2:165:B:LYS:H	11	1.0
(1,1623)	2:168:B:LEU:HD12	2:165:B:LYS:H	11	1.0
(1,1623)	2:168:B:LEU:HD13	2:165:B:LYS:H	11	1.0
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD21	17	1.0
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD22	17	1.0
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD23	17	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD21	17	1.0
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD22	17	1.0
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD23	17	1.0
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	10	0.99
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	10	0.99
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	10	0.99
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	10	0.99
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	10	0.99
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	10	0.99
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	3	0.99
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	3	0.99
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	3	0.99
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	3	0.99
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	3	0.99
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	3	0.99
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD11	16	0.99
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD12	16	0.99
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD13	16	0.99
(1,3832)	2:267:B:PHE:HZ	2:291:B:LEU:HD21	16	0.99
(1,3832)	2:267:B:PHE:HZ	2:291:B:LEU:HD22	16	0.99
(1,3832)	2:267:B:PHE:HZ	2:291:B:LEU:HD23	16	0.99
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG21	5	0.99
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG22	5	0.99
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG23	5	0.99
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG21	5	0.99
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG22	5	0.99
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG23	5	0.99
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG21	5	0.99
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG22	5	0.99
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG23	5	0.99
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB1	11	0.99
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB2	11	0.99
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB3	11	0.99
(1,2676)	2:312:B:GLU:HB3	2:313:B:VAL:H	14	0.99
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD21	4	0.99
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD22	4	0.99
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD23	4	0.99
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB1	2	0.98
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB2	2	0.98
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB3	2	0.98
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	19	0.98
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	19	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	19	0.98
(1,3011)	1:205:A:GLN:HG3	1:207:A:ARG:HG2	14	0.98
(1,981)	2:285:B:ALA:HA	2:288:B:LEU:HD11	1	0.98
(1,981)	2:285:B:ALA:HA	2:288:B:LEU:HD12	1	0.98
(1,981)	2:285:B:ALA:HA	2:288:B:LEU:HD13	1	0.98
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD11	13	0.98
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD12	13	0.98
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD13	13	0.98
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG11	18	0.98
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG12	18	0.98
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG13	18	0.98
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG11	18	0.98
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG12	18	0.98
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG13	18	0.98
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG11	18	0.98
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG12	18	0.98
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG13	18	0.98
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD21	3	0.97
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD22	3	0.97
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD23	3	0.97
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD21	3	0.97
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD22	3	0.97
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD23	3	0.97
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD21	3	0.97
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD22	3	0.97
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD23	3	0.97
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB1	16	0.97
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB2	16	0.97
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB3	16	0.97
(1,3662)	2:184:B:LEU:HB2	2:185:B:PRO:HA	19	0.97
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG21	2	0.97
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG22	2	0.97
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG23	2	0.97
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	12	0.97
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	12	0.97
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	12	0.97
(1,3062)	1:204:A:PRO:HD2	1:203:A:GLN:HB3	16	0.97
(1,1377)	2:182:B:PHE:HE1	2:184:B:LEU:HD11	4	0.97
(1,1377)	2:182:B:PHE:HE1	2:184:B:LEU:HD12	4	0.97
(1,1377)	2:182:B:PHE:HE1	2:184:B:LEU:HD13	4	0.97
(1,1377)	2:182:B:PHE:HE2	2:184:B:LEU:HD11	4	0.97
(1,1377)	2:182:B:PHE:HE2	2:184:B:LEU:HD12	4	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	2:182:B:PHE:HE2	2:184:B:LEU:HD13	4	0.97
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD11	4	0.97
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD12	4	0.97
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD13	4	0.97
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	13	0.96
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	13	0.96
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	13	0.96
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	13	0.96
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	13	0.96
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	13	0.96
(1,3484)	1:231:A:LEU:HD11	1:228:A:PRO:HD2	13	0.96
(1,3484)	1:231:A:LEU:HD12	1:228:A:PRO:HD2	13	0.96
(1,3484)	1:231:A:LEU:HD13	1:228:A:PRO:HD2	13	0.96
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD21	4	0.96
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD22	4	0.96
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD23	4	0.96
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	1	0.96
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	1	0.96
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	1	0.96
(1,3002)	1:211:A:GLU:HG3	1:208:A:ARG:HD2	9	0.96
(1,2088)	2:229:B:LEU:HD21	2:234:B:LEU:H	16	0.96
(1,2088)	2:229:B:LEU:HD22	2:234:B:LEU:H	16	0.96
(1,2088)	2:229:B:LEU:HD23	2:234:B:LEU:H	16	0.96
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	14	0.96
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD11	2	0.96
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD12	2	0.96
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD13	2	0.96
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD11	2	0.96
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD12	2	0.96
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD13	2	0.96
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD11	2	0.96
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD12	2	0.96
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD13	2	0.96
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD11	16	0.96
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD12	16	0.96
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD13	16	0.96
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD11	16	0.96
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD12	16	0.96
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD13	16	0.96
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD11	16	0.96
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD12	16	0.96
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD13	16	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	2:290:B:TYR:HB2	2:287:B:LEU:HD11	18	0.96
(1,969)	2:290:B:TYR:HB2	2:287:B:LEU:HD12	18	0.96
(1,969)	2:290:B:TYR:HB2	2:287:B:LEU:HD13	18	0.96
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE2	8	0.96
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE2	8	0.96
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE2	8	0.96
(1,369)	2:259:B:GLY:HA3	2:186:B:ALA:HB1	20	0.96
(1,369)	2:259:B:GLY:HA3	2:186:B:ALA:HB2	20	0.96
(1,369)	2:259:B:GLY:HA3	2:186:B:ALA:HB3	20	0.96
(1,3895)	2:236:B:LYS:HE2	1:224:A:GLN:HB2	7	0.95
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	14	0.95
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	14	0.95
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	14	0.95
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	1	0.95
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	1	0.95
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	1	0.95
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	1	0.95
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	1	0.95
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	1	0.95
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	1	0.95
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	1	0.95
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	1	0.95
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	8	0.95
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	8	0.95
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	8	0.95
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	8	0.95
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	8	0.95
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	8	0.95
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	8	0.95
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	8	0.95
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	8	0.95
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	16	0.95
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	16	0.95
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	16	0.95
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	7	0.95
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	7	0.95
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	7	0.95
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	9	0.95
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	9	0.95
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	9	0.95
(1,812)	2:228:B:MET:HB2	2:266:B:LEU:HD21	2	0.95
(1,812)	2:228:B:MET:HB2	2:266:B:LEU:HD22	2	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	2:228:B:MET:HB2	2:266:B:LEU:HD23	2	0.95
(1,3904)	2:286:B:LEU:HD11	1:204:A:PRO:HG3	11	0.94
(1,3904)	2:286:B:LEU:HD12	1:204:A:PRO:HG3	11	0.94
(1,3904)	2:286:B:LEU:HD13	1:204:A:PRO:HG3	11	0.94
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	6	0.94
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	6	0.94
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	6	0.94
(1,703)	2:243:B:ALA:HA	2:246:B:LEU:HD21	16	0.94
(1,703)	2:243:B:ALA:HA	2:246:B:LEU:HD22	16	0.94
(1,703)	2:243:B:ALA:HA	2:246:B:LEU:HD23	16	0.94
(1,3895)	2:236:B:LYS:HE2	1:224:A:GLN:HB2	1	0.93
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	2	0.93
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	2	0.93
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	2	0.93
(1,3868)	2:277:B:THR:HG21	1:211:A:GLU:HB2	6	0.93
(1,3868)	2:277:B:THR:HG22	1:211:A:GLU:HB2	6	0.93
(1,3868)	2:277:B:THR:HG23	1:211:A:GLU:HB2	6	0.93
(1,3727)	2:219:B:ALA:HB1	2:223:B:GLU:HG2	6	0.93
(1,3727)	2:219:B:ALA:HB2	2:223:B:GLU:HG2	6	0.93
(1,3727)	2:219:B:ALA:HB3	2:223:B:GLU:HG2	6	0.93
(1,3681)	2:193:B:ILE:HD11	2:188:B:LYS:HE3	8	0.93
(1,3681)	2:193:B:ILE:HD12	2:188:B:LYS:HE3	8	0.93
(1,3681)	2:193:B:ILE:HD13	2:188:B:LYS:HE3	8	0.93
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB1	12	0.93
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB2	12	0.93
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB3	12	0.93
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	7	0.93
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	7	0.93
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	7	0.93
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG21	13	0.93
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG22	13	0.93
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG23	13	0.93
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	11	0.93
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	11	0.93
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	11	0.93
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	12	0.93
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	2	0.93
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	4	0.93
(1,1712)	2:174:B:LEU:HD11	2:180:B:GLN:HE21	14	0.93
(1,1712)	2:174:B:LEU:HD12	2:180:B:GLN:HE21	14	0.93
(1,1712)	2:174:B:LEU:HD13	2:180:B:GLN:HE21	14	0.93
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG3	17	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG3	17	0.93
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG3	17	0.93
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG21	20	0.93
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG22	20	0.93
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG23	20	0.93
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD21	11	0.93
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD22	11	0.93
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD23	11	0.93
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD21	12	0.93
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD22	12	0.93
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD23	12	0.93
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB1	8	0.93
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB2	8	0.93
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB3	8	0.93
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB1	8	0.93
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB2	8	0.93
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB3	8	0.93
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB1	8	0.93
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB2	8	0.93
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB3	8	0.93
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB1	19	0.93
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB2	19	0.93
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB3	19	0.93
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB1	19	0.93
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB2	19	0.93
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB3	19	0.93
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB1	19	0.93
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB2	19	0.93
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB3	19	0.93
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD11	2	0.93
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD12	2	0.93
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD13	2	0.93
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD11	13	0.93
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD12	13	0.93
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD13	13	0.93
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD11	3	0.93
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD12	3	0.93
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD13	3	0.93
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	1	0.92
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	1	0.92
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	1	0.92
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG21	5	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG22	5	0.92
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG23	5	0.92
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG21	5	0.92
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG22	5	0.92
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG23	5	0.92
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG21	5	0.92
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG22	5	0.92
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG23	5	0.92
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG11	15	0.92
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG12	15	0.92
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG13	15	0.92
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB1	4	0.92
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB2	4	0.92
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB3	4	0.92
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	3	0.92
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	3	0.92
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	3	0.92
(1,3014)	1:208:A:ARG:HB3	1:208:A:ARG:HD2	19	0.92
(1,2676)	2:312:B:GLU:HB3	2:313:B:VAL:H	2	0.92
(1,2424)	2:282:B:LYS:HG3	2:282:B:LYS:H	6	0.92
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD21	6	0.92
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD22	6	0.92
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD23	6	0.92
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD21	7	0.92
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD22	7	0.92
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD23	7	0.92
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD21	14	0.92
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD22	14	0.92
(1,987)	2:288:B:LEU:HA	2:288:B:LEU:HD23	14	0.92
(1,703)	2:243:B:ALA:HA	2:246:B:LEU:HD21	7	0.92
(1,703)	2:243:B:ALA:HA	2:246:B:LEU:HD22	7	0.92
(1,703)	2:243:B:ALA:HA	2:246:B:LEU:HD23	7	0.92
(1,695)	2:245:B:ILE:HB	2:246:B:LEU:HD11	16	0.92
(1,695)	2:245:B:ILE:HB	2:246:B:LEU:HD12	16	0.92
(1,695)	2:245:B:ILE:HB	2:246:B:LEU:HD13	16	0.92
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD21	17	0.91
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD22	17	0.91
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD23	17	0.91
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD11	20	0.91
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD12	20	0.91
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD13	20	0.91
(1,3466)	1:227:A:LEU:HD11	1:228:A:PRO:HA	13	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3466)	1:227:A:LEU:HD12	1:228:A:PRO:HA	13	0.91
(1,3466)	1:227:A:LEU:HD13	1:228:A:PRO:HA	13	0.91
(1,2999)	1:211:A:GLU:HG2	1:208:A:ARG:HD2	14	0.91
(1,1716)	2:174:B:LEU:HD11	2:180:B:GLN:HE22	10	0.91
(1,1716)	2:174:B:LEU:HD12	2:180:B:GLN:HE22	10	0.91
(1,1716)	2:174:B:LEU:HD13	2:180:B:GLN:HE22	10	0.91
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD21	8	0.91
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD22	8	0.91
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD23	8	0.91
(1,3813)	2:274:B:LEU:HA	2:284:B:LEU:HD21	11	0.9
(1,3813)	2:274:B:LEU:HA	2:284:B:LEU:HD22	11	0.9
(1,3813)	2:274:B:LEU:HA	2:284:B:LEU:HD23	11	0.9
(1,3738)	2:234:B:LEU:HG	2:233:B:LEU:HD21	11	0.9
(1,3738)	2:234:B:LEU:HG	2:233:B:LEU:HD22	11	0.9
(1,3738)	2:234:B:LEU:HG	2:233:B:LEU:HD23	11	0.9
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	9	0.9
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	9	0.9
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	9	0.9
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	10	0.9
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	10	0.9
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	10	0.9
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	17	0.9
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	17	0.9
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	17	0.9
(1,766)	2:252:B:ALA:HB1	2:257:B:VAL:HG11	3	0.9
(1,766)	2:252:B:ALA:HB1	2:257:B:VAL:HG12	3	0.9
(1,766)	2:252:B:ALA:HB1	2:257:B:VAL:HG13	3	0.9
(1,766)	2:252:B:ALA:HB2	2:257:B:VAL:HG11	3	0.9
(1,766)	2:252:B:ALA:HB2	2:257:B:VAL:HG12	3	0.9
(1,766)	2:252:B:ALA:HB2	2:257:B:VAL:HG13	3	0.9
(1,766)	2:252:B:ALA:HB3	2:257:B:VAL:HG11	3	0.9
(1,766)	2:252:B:ALA:HB3	2:257:B:VAL:HG12	3	0.9
(1,766)	2:252:B:ALA:HB3	2:257:B:VAL:HG13	3	0.9
(1,759)	2:253:B:PRO:HG2	2:256:B:GLN:HG3	13	0.9
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD11	6	0.9
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD12	6	0.9
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD13	6	0.9
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD11	7	0.9
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD12	7	0.9
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD13	7	0.9
(1,3913)	2:172:B:TRP:HH2	2:177:B:ARG:HD2	4	0.89
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	16	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	16	0.89
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	16	0.89
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	6	0.89
(1,1716)	2:174:B:LEU:HD11	2:180:B:GLN:HE22	13	0.89
(1,1716)	2:174:B:LEU:HD12	2:180:B:GLN:HE22	13	0.89
(1,1716)	2:174:B:LEU:HD13	2:180:B:GLN:HE22	13	0.89
(1,1412)	2:225:B:PHE:HD1	2:255:B:SER:HB3	2	0.89
(1,1412)	2:225:B:PHE:HD2	2:255:B:SER:HB3	2	0.89
(1,1015)	2:160:B:ILE:HD11	2:295:B:LEU:HD21	7	0.89
(1,1015)	2:160:B:ILE:HD11	2:295:B:LEU:HD22	7	0.89
(1,1015)	2:160:B:ILE:HD11	2:295:B:LEU:HD23	7	0.89
(1,1015)	2:160:B:ILE:HD12	2:295:B:LEU:HD21	7	0.89
(1,1015)	2:160:B:ILE:HD12	2:295:B:LEU:HD22	7	0.89
(1,1015)	2:160:B:ILE:HD12	2:295:B:LEU:HD23	7	0.89
(1,1015)	2:160:B:ILE:HD13	2:295:B:LEU:HD21	7	0.89
(1,1015)	2:160:B:ILE:HD13	2:295:B:LEU:HD22	7	0.89
(1,1015)	2:160:B:ILE:HD13	2:295:B:LEU:HD23	7	0.89
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB1	14	0.89
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB2	14	0.89
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB3	14	0.89
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB1	14	0.89
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB2	14	0.89
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB3	14	0.89
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB1	14	0.89
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB2	14	0.89
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB3	14	0.89
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD11	14	0.89
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD12	14	0.89
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD13	14	0.89
(1,94)	1:213:A:LEU:HD11	2:273:B:MET:HG3	4	0.89
(1,94)	1:213:A:LEU:HD12	2:273:B:MET:HG3	4	0.89
(1,94)	1:213:A:LEU:HD13	2:273:B:MET:HG3	4	0.89
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	16	0.88
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	16	0.88
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	16	0.88
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	16	0.88
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	16	0.88
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	16	0.88
(1,3833)	2:264:B:LEU:HD11	2:295:B:LEU:HD21	16	0.88
(1,3833)	2:264:B:LEU:HD11	2:295:B:LEU:HD22	16	0.88
(1,3833)	2:264:B:LEU:HD11	2:295:B:LEU:HD23	16	0.88
(1,3833)	2:264:B:LEU:HD12	2:295:B:LEU:HD21	16	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3833)	2:264:B:LEU:HD12	2:295:B:LEU:HD22	16	0.88
(1,3833)	2:264:B:LEU:HD12	2:295:B:LEU:HD23	16	0.88
(1,3833)	2:264:B:LEU:HD13	2:295:B:LEU:HD21	16	0.88
(1,3833)	2:264:B:LEU:HD13	2:295:B:LEU:HD22	16	0.88
(1,3833)	2:264:B:LEU:HD13	2:295:B:LEU:HD23	16	0.88
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB1	12	0.88
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB2	12	0.88
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB3	12	0.88
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB1	12	0.88
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB2	12	0.88
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB3	12	0.88
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB1	12	0.88
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB2	12	0.88
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB3	12	0.88
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	5	0.88
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	5	0.88
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	5	0.88
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD11	2	0.88
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD12	2	0.88
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD13	2	0.88
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	6	0.88
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	6	0.88
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	6	0.88
(1,3088)	1:203:A:GLN:HG3	1:204:A:PRO:HD2	16	0.88
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	8	0.88
(1,1729)	2:313:B:VAL:HG11	2:180:B:GLN:H	17	0.88
(1,1729)	2:313:B:VAL:HG12	2:180:B:GLN:H	17	0.88
(1,1729)	2:313:B:VAL:HG13	2:180:B:GLN:H	17	0.88
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD11	10	0.88
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD12	10	0.88
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD13	10	0.88
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD21	2	0.87
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD22	2	0.87
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD23	2	0.87
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD21	2	0.87
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD22	2	0.87
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD23	2	0.87
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD21	2	0.87
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD22	2	0.87
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD23	2	0.87
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD11	2	0.87
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD12	2	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD13	2	0.87
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD11	2	0.87
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD12	2	0.87
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD13	2	0.87
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD11	2	0.87
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD12	2	0.87
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD13	2	0.87
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD11	16	0.87
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD12	16	0.87
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD13	16	0.87
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD11	16	0.87
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD12	16	0.87
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD13	16	0.87
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD11	16	0.87
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD12	16	0.87
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD13	16	0.87
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD21	10	0.87
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD22	10	0.87
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD23	10	0.87
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB1	9	0.87
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB2	9	0.87
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB3	9	0.87
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	2	0.87
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	2	0.87
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	2	0.87
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	2	0.87
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	2	0.87
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	2	0.87
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	2	0.87
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	2	0.87
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	2	0.87
(1,3011)	1:205:A:GLN:HG2	1:207:A:ARG:HG2	4	0.87
(1,2744)	1:234:A:THR:HB	1:224:A:GLN:HE21	11	0.87
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD21	13	0.87
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD22	13	0.87
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD23	13	0.87
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	9	0.86
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	9	0.86
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	9	0.86
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	9	0.86
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	9	0.86
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	14	0.86
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	14	0.86
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	14	0.86
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	14	0.86
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	14	0.86
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	14	0.86
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	14	0.86
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	14	0.86
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	14	0.86
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG11	20	0.86
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG12	20	0.86
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG13	20	0.86
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	7	0.86
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	7	0.86
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	7	0.86
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB1	16	0.86
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB2	16	0.86
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB3	16	0.86
(1,3014)	1:211:A:GLU:HB2	1:208:A:ARG:HD2	15	0.86
(1,2601)	2:305:B:LEU:HD21	2:301:B:ASN:H	11	0.86
(1,2601)	2:305:B:LEU:HD22	2:301:B:ASN:H	11	0.86
(1,2601)	2:305:B:LEU:HD23	2:301:B:ASN:H	11	0.86
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	5	0.86
(1,1716)	2:174:B:LEU:HD11	2:180:B:GLN:HE22	4	0.86
(1,1716)	2:174:B:LEU:HD12	2:180:B:GLN:HE22	4	0.86
(1,1716)	2:174:B:LEU:HD13	2:180:B:GLN:HE22	4	0.86
(1,1321)	2:236:B:LYS:HB2	1:224:A:GLN:HG2	14	0.86
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD11	11	0.86
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD12	11	0.86
(1,1263)	2:277:B:THR:HA	1:213:A:LEU:HD13	11	0.86
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD21	4	0.86
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD22	4	0.86
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD23	4	0.86
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD21	4	0.86
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD22	4	0.86
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD23	4	0.86
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD11	3	0.86
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD12	3	0.86
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD13	3	0.86
(1,636)	2:234:B:LEU:HD21	2:239:B:ARG:HD3	17	0.86
(1,636)	2:234:B:LEU:HD22	2:239:B:ARG:HD3	17	0.86
(1,636)	2:234:B:LEU:HD23	2:239:B:ARG:HD3	17	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB1	18	0.86
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB2	18	0.86
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB3	18	0.86
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB1	18	0.86
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB2	18	0.86
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB3	18	0.86
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB1	18	0.86
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB2	18	0.86
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB3	18	0.86
(1,51)	1:213:A:LEU:HD11	2:228:B:MET:HE1	4	0.86
(1,51)	1:213:A:LEU:HD11	2:228:B:MET:HE2	4	0.86
(1,51)	1:213:A:LEU:HD11	2:228:B:MET:HE3	4	0.86
(1,51)	1:213:A:LEU:HD12	2:228:B:MET:HE1	4	0.86
(1,51)	1:213:A:LEU:HD12	2:228:B:MET:HE2	4	0.86
(1,51)	1:213:A:LEU:HD12	2:228:B:MET:HE3	4	0.86
(1,51)	1:213:A:LEU:HD13	2:228:B:MET:HE1	4	0.86
(1,51)	1:213:A:LEU:HD13	2:228:B:MET:HE2	4	0.86
(1,51)	1:213:A:LEU:HD13	2:228:B:MET:HE3	4	0.86
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	11	0.85
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	11	0.85
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	11	0.85
(1,3879)	2:266:B:LEU:HD11	1:213:A:LEU:HD11	4	0.85
(1,3879)	2:266:B:LEU:HD11	1:213:A:LEU:HD12	4	0.85
(1,3879)	2:266:B:LEU:HD11	1:213:A:LEU:HD13	4	0.85
(1,3879)	2:266:B:LEU:HD12	1:213:A:LEU:HD11	4	0.85
(1,3879)	2:266:B:LEU:HD12	1:213:A:LEU:HD12	4	0.85
(1,3879)	2:266:B:LEU:HD12	1:213:A:LEU:HD13	4	0.85
(1,3879)	2:266:B:LEU:HD13	1:213:A:LEU:HD11	4	0.85
(1,3879)	2:266:B:LEU:HD13	1:213:A:LEU:HD12	4	0.85
(1,3879)	2:266:B:LEU:HD13	1:213:A:LEU:HD13	4	0.85
(1,3727)	2:219:B:ALA:HB1	2:223:B:GLU:HG2	19	0.85
(1,3727)	2:219:B:ALA:HB2	2:223:B:GLU:HG2	19	0.85
(1,3727)	2:219:B:ALA:HB3	2:223:B:GLU:HG2	19	0.85
(1,3684)	2:193:B:ILE:HB	2:190:B:VAL:HG11	5	0.85
(1,3684)	2:193:B:ILE:HB	2:190:B:VAL:HG12	5	0.85
(1,3684)	2:193:B:ILE:HB	2:190:B:VAL:HG13	5	0.85
(1,3662)	2:184:B:LEU:HB2	2:185:B:PRO:HA	18	0.85
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG21	8	0.85
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG22	8	0.85
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG23	8	0.85
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG21	18	0.85
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG22	18	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG23	18	0.85
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG21	5	0.85
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG22	5	0.85
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG23	5	0.85
(1,3533)	1:230:A:GLU:HG3	1:231:A:LEU:HD21	12	0.85
(1,3533)	1:230:A:GLU:HG3	1:231:A:LEU:HD22	12	0.85
(1,3533)	1:230:A:GLU:HG3	1:231:A:LEU:HD23	12	0.85
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	15	0.85
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	15	0.85
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	15	0.85
(1,2923)	1:227:A:LEU:HD11	1:226:A:GLN:H	2	0.85
(1,2923)	1:227:A:LEU:HD12	1:226:A:GLN:H	2	0.85
(1,2923)	1:227:A:LEU:HD13	1:226:A:GLN:H	2	0.85
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD11	7	0.85
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD12	7	0.85
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD13	7	0.85
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD11	7	0.85
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD12	7	0.85
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD13	7	0.85
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD11	7	0.85
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD12	7	0.85
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD13	7	0.85
(1,1313)	2:235:B:TYR:HE1	1:224:A:GLN:HG3	16	0.85
(1,1313)	2:235:B:TYR:HE2	1:224:A:GLN:HG3	16	0.85
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD11	2	0.85
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD12	2	0.85
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD13	2	0.85
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB1	17	0.85
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB2	17	0.85
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB3	17	0.85
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB1	17	0.85
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB2	17	0.85
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB3	17	0.85
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB1	17	0.85
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB2	17	0.85
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB3	17	0.85
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD11	8	0.85
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD12	8	0.85
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD13	8	0.85
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	13	0.84
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	13	0.84
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	13	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	13	0.84
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	13	0.84
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	13	0.84
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	13	0.84
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	13	0.84
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	13	0.84
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	16	0.84
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	16	0.84
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	16	0.84
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	16	0.84
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	16	0.84
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	16	0.84
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	16	0.84
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	16	0.84
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	16	0.84
(1,3866)	2:213:B:ALA:HA	1:203:A:GLN:HG3	11	0.84
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB1	18	0.84
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB2	18	0.84
(1,3275)	1:218:A:MET:HG2	1:215:A:ALA:HB3	18	0.84
(1,2069)	2:269:B:ARG:HB3	2:232:B:GLN:HE22	1	0.84
(1,1716)	2:174:B:LEU:HD11	2:180:B:GLN:HE22	9	0.84
(1,1716)	2:174:B:LEU:HD12	2:180:B:GLN:HE22	9	0.84
(1,1716)	2:174:B:LEU:HD13	2:180:B:GLN:HE22	9	0.84
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB1	4	0.84
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB2	4	0.84
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB3	4	0.84
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB1	4	0.84
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB2	4	0.84
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB3	4	0.84
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB1	4	0.84
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB2	4	0.84
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB3	4	0.84
(1,3937)	2:237:B:PHE:HD1	2:176:B:THR:HA	20	0.83
(1,3937)	2:237:B:PHE:HD2	2:176:B:THR:HA	20	0.83
(1,3818)	2:284:B:LEU:HD11	2:285:B:ALA:HB1	17	0.83
(1,3818)	2:284:B:LEU:HD11	2:285:B:ALA:HB2	17	0.83
(1,3818)	2:284:B:LEU:HD11	2:285:B:ALA:HB3	17	0.83
(1,3818)	2:284:B:LEU:HD12	2:285:B:ALA:HB1	17	0.83
(1,3818)	2:284:B:LEU:HD12	2:285:B:ALA:HB2	17	0.83
(1,3818)	2:284:B:LEU:HD12	2:285:B:ALA:HB3	17	0.83
(1,3818)	2:284:B:LEU:HD13	2:285:B:ALA:HB1	17	0.83
(1,3818)	2:284:B:LEU:HD13	2:285:B:ALA:HB2	17	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3818)	2:284:B:LEU:HD13	2:285:B:ALA:HB3	17	0.83
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD11	7	0.83
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD12	7	0.83
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD13	7	0.83
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG21	18	0.83
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG22	18	0.83
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG23	18	0.83
(1,2601)	2:305:B:LEU:HD21	2:301:B:ASN:H	15	0.83
(1,2601)	2:305:B:LEU:HD22	2:301:B:ASN:H	15	0.83
(1,2601)	2:305:B:LEU:HD23	2:301:B:ASN:H	15	0.83
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD11	16	0.83
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD12	16	0.83
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD13	16	0.83
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD11	16	0.83
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD12	16	0.83
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD13	16	0.83
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD11	16	0.83
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD12	16	0.83
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD13	16	0.83
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD21	10	0.83
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD22	10	0.83
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD23	10	0.83
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD21	10	0.83
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD22	10	0.83
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD23	10	0.83
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD21	10	0.83
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD22	10	0.83
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD23	10	0.83
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB1	13	0.83
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB2	13	0.83
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB3	13	0.83
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB1	13	0.83
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB2	13	0.83
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB3	13	0.83
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB1	13	0.83
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB2	13	0.83
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB3	13	0.83
(1,241)	2:306:B:PHE:HE1	2:164:B:LEU:HD21	2	0.83
(1,241)	2:306:B:PHE:HE1	2:164:B:LEU:HD22	2	0.83
(1,241)	2:306:B:PHE:HE1	2:164:B:LEU:HD23	2	0.83
(1,241)	2:306:B:PHE:HE2	2:164:B:LEU:HD21	2	0.83
(1,241)	2:306:B:PHE:HE2	2:164:B:LEU:HD22	2	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	2:306:B:PHE:HE2	2:164:B:LEU:HD23	2	0.83
(1,241)	2:306:B:PHE:HE1	2:164:B:LEU:HD21	16	0.83
(1,241)	2:306:B:PHE:HE1	2:164:B:LEU:HD22	16	0.83
(1,241)	2:306:B:PHE:HE1	2:164:B:LEU:HD23	16	0.83
(1,241)	2:306:B:PHE:HE2	2:164:B:LEU:HD21	16	0.83
(1,241)	2:306:B:PHE:HE2	2:164:B:LEU:HD22	16	0.83
(1,241)	2:306:B:PHE:HE2	2:164:B:LEU:HD23	16	0.83
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	1	0.82
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	1	0.82
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	1	0.82
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD21	17	0.82
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD22	17	0.82
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD23	17	0.82
(1,3665)	2:184:B:LEU:HB2	2:185:B:PRO:HB2	20	0.82
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB1	2	0.82
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB2	2	0.82
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB3	2	0.82
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	2	0.82
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	7	0.82
(1,1347)	2:169:B:VAL:HG21	1:232:A:THR:HA	15	0.82
(1,1347)	2:169:B:VAL:HG22	1:232:A:THR:HA	15	0.82
(1,1347)	2:169:B:VAL:HG23	1:232:A:THR:HA	15	0.82
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB1	15	0.82
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB2	15	0.82
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB3	15	0.82
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB1	15	0.82
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB2	15	0.82
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB3	15	0.82
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB1	15	0.82
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB2	15	0.82
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB3	15	0.82
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD11	6	0.82
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD12	6	0.82
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD13	6	0.82
(1,3952)	2:182:B:PHE:HZ	2:184:B:LEU:HB2	3	0.81
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	2	0.81
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	2	0.81
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	2	0.81
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	2	0.81
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	2	0.81
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	2	0.81
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	1	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	1	0.81
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	1	0.81
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB1	17	0.81
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB2	17	0.81
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB3	17	0.81
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG21	8	0.81
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG22	8	0.81
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG23	8	0.81
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD21	5	0.81
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD22	5	0.81
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD23	5	0.81
(1,2439)	2:279:B:LEU:HD21	2:284:B:LEU:H	16	0.81
(1,2439)	2:279:B:LEU:HD22	2:284:B:LEU:H	16	0.81
(1,2439)	2:279:B:LEU:HD23	2:284:B:LEU:H	16	0.81
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	4	0.81
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	6	0.81
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	15	0.81
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	16	0.81
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	16	0.81
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	16	0.81
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	16	0.81
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	16	0.81
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	16	0.81
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	16	0.81
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	16	0.81
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	16	0.81
(1,1170)	2:320:B:ARG:HD2	2:323:B:VAL:HG21	14	0.81
(1,1170)	2:320:B:ARG:HD2	2:323:B:VAL:HG22	14	0.81
(1,1170)	2:320:B:ARG:HD2	2:323:B:VAL:HG23	14	0.81
(1,942)	2:279:B:LEU:HB2	2:284:B:LEU:HD21	18	0.81
(1,942)	2:279:B:LEU:HB2	2:284:B:LEU:HD22	18	0.81
(1,942)	2:279:B:LEU:HB2	2:284:B:LEU:HD23	18	0.81
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB1	6	0.81
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB2	6	0.81
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB3	6	0.81
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB1	6	0.81
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB2	6	0.81
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB3	6	0.81
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB1	6	0.81
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB2	6	0.81
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB3	6	0.81
(1,435)	2:190:B:VAL:HG11	2:194:B:LEU:HD21	14	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	2:190:B:VAL:HG11	2:194:B:LEU:HD22	14	0.81
(1,435)	2:190:B:VAL:HG11	2:194:B:LEU:HD23	14	0.81
(1,435)	2:190:B:VAL:HG12	2:194:B:LEU:HD21	14	0.81
(1,435)	2:190:B:VAL:HG12	2:194:B:LEU:HD22	14	0.81
(1,435)	2:190:B:VAL:HG12	2:194:B:LEU:HD23	14	0.81
(1,435)	2:190:B:VAL:HG13	2:194:B:LEU:HD21	14	0.81
(1,435)	2:190:B:VAL:HG13	2:194:B:LEU:HD22	14	0.81
(1,435)	2:190:B:VAL:HG13	2:194:B:LEU:HD23	14	0.81
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	5	0.81
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	5	0.81
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	5	0.81
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD21	13	0.81
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD22	13	0.81
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD23	13	0.81
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	8	0.8
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	8	0.8
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	8	0.8
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	8	0.8
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	8	0.8
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	8	0.8
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD11	5	0.8
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD12	5	0.8
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD13	5	0.8
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB1	17	0.8
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB2	17	0.8
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB3	17	0.8
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	2	0.8
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	2	0.8
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	2	0.8
(1,2602)	2:164:B:LEU:HD21	2:302:B:SER:H	4	0.8
(1,2602)	2:164:B:LEU:HD22	2:302:B:SER:H	4	0.8
(1,2602)	2:164:B:LEU:HD23	2:302:B:SER:H	4	0.8
(1,1712)	2:174:B:LEU:HD11	2:180:B:GLN:HE21	13	0.8
(1,1712)	2:174:B:LEU:HD12	2:180:B:GLN:HE21	13	0.8
(1,1712)	2:174:B:LEU:HD13	2:180:B:GLN:HE21	13	0.8
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD21	4	0.8
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD22	4	0.8
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD23	4	0.8
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD21	4	0.8
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD22	4	0.8
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD23	4	0.8
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG11	13	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG12	13	0.8
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG13	13	0.8
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG11	13	0.8
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG12	13	0.8
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG13	13	0.8
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB1	1	0.8
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB2	1	0.8
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB3	1	0.8
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB1	1	0.8
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB2	1	0.8
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB3	1	0.8
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB1	1	0.8
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB2	1	0.8
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB3	1	0.8
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	13	0.79
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	13	0.79
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	13	0.79
(1,3819)	2:245:B:ILE:HG21	2:184:B:LEU:HD11	16	0.79
(1,3819)	2:245:B:ILE:HG21	2:184:B:LEU:HD12	16	0.79
(1,3819)	2:245:B:ILE:HG21	2:184:B:LEU:HD13	16	0.79
(1,3819)	2:245:B:ILE:HG22	2:184:B:LEU:HD11	16	0.79
(1,3819)	2:245:B:ILE:HG22	2:184:B:LEU:HD12	16	0.79
(1,3819)	2:245:B:ILE:HG22	2:184:B:LEU:HD13	16	0.79
(1,3819)	2:245:B:ILE:HG23	2:184:B:LEU:HD11	16	0.79
(1,3819)	2:245:B:ILE:HG23	2:184:B:LEU:HD12	16	0.79
(1,3819)	2:245:B:ILE:HG23	2:184:B:LEU:HD13	16	0.79
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	1	0.79
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	1	0.79
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	1	0.79
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	20	0.79
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	20	0.79
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	20	0.79
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	18	0.79
(1,1313)	2:235:B:TYR:HE1	1:224:A:GLN:HG3	1	0.79
(1,1313)	2:235:B:TYR:HE2	1:224:A:GLN:HG3	1	0.79
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD11	4	0.79
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD12	4	0.79
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD13	4	0.79
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD21	16	0.79
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD22	16	0.79
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD23	16	0.79
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD21	16	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD22	16	0.79
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD23	16	0.79
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD11	20	0.79
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD12	20	0.79
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD13	20	0.79
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD11	20	0.79
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD12	20	0.79
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD13	20	0.79
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD11	20	0.79
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD12	20	0.79
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD13	20	0.79
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB1	5	0.79
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB2	5	0.79
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB3	5	0.79
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB1	5	0.79
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB2	5	0.79
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB3	5	0.79
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB1	5	0.79
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB2	5	0.79
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB3	5	0.79
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG11	13	0.78
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG12	13	0.78
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG13	13	0.78
(1,3841)	2:267:B:PHE:HZ	2:298:B:LEU:HD21	12	0.78
(1,3841)	2:267:B:PHE:HZ	2:298:B:LEU:HD22	12	0.78
(1,3841)	2:267:B:PHE:HZ	2:298:B:LEU:HD23	12	0.78
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB1	1	0.78
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB2	1	0.78
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB3	1	0.78
(1,3762)	2:253:B:PRO:HG3	2:252:B:ALA:HB1	4	0.78
(1,3762)	2:253:B:PRO:HG3	2:252:B:ALA:HB2	4	0.78
(1,3762)	2:253:B:PRO:HG3	2:252:B:ALA:HB3	4	0.78
(1,3523)	1:228:A:PRO:HB2	1:231:A:LEU:HD11	13	0.78
(1,3523)	1:228:A:PRO:HB2	1:231:A:LEU:HD12	13	0.78
(1,3523)	1:228:A:PRO:HB2	1:231:A:LEU:HD13	13	0.78
(1,2674)	2:313:B:VAL:HG21	2:313:B:VAL:H	9	0.78
(1,2674)	2:313:B:VAL:HG22	2:313:B:VAL:H	9	0.78
(1,2674)	2:313:B:VAL:HG23	2:313:B:VAL:H	9	0.78
(1,2674)	2:313:B:VAL:HG21	2:313:B:VAL:H	20	0.78
(1,2674)	2:313:B:VAL:HG22	2:313:B:VAL:H	20	0.78
(1,2674)	2:313:B:VAL:HG23	2:313:B:VAL:H	20	0.78
(1,2602)	2:164:B:LEU:HD21	2:302:B:SER:H	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2602)	2:164:B:LEU:HD22	2:302:B:SER:H	2	0.78
(1,2602)	2:164:B:LEU:HD23	2:302:B:SER:H	2	0.78
(1,2069)	2:269:B:ARG:HB2	2:232:B:GLN:HE22	14	0.78
(1,2068)	2:228:B:MET:HG3	2:232:B:GLN:HE22	4	0.78
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD11	15	0.78
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD12	15	0.78
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD13	15	0.78
(1,699)	2:254:B:MET:HE1	2:246:B:LEU:HD11	7	0.78
(1,699)	2:254:B:MET:HE1	2:246:B:LEU:HD12	7	0.78
(1,699)	2:254:B:MET:HE1	2:246:B:LEU:HD13	7	0.78
(1,699)	2:254:B:MET:HE2	2:246:B:LEU:HD11	7	0.78
(1,699)	2:254:B:MET:HE2	2:246:B:LEU:HD12	7	0.78
(1,699)	2:254:B:MET:HE2	2:246:B:LEU:HD13	7	0.78
(1,699)	2:254:B:MET:HE3	2:246:B:LEU:HD11	7	0.78
(1,699)	2:254:B:MET:HE3	2:246:B:LEU:HD12	7	0.78
(1,699)	2:254:B:MET:HE3	2:246:B:LEU:HD13	7	0.78
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB1	10	0.78
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB2	10	0.78
(1,445)	2:214:B:VAL:HG21	2:198:B:ALA:HB3	10	0.78
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB1	10	0.78
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB2	10	0.78
(1,445)	2:214:B:VAL:HG22	2:198:B:ALA:HB3	10	0.78
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB1	10	0.78
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB2	10	0.78
(1,445)	2:214:B:VAL:HG23	2:198:B:ALA:HB3	10	0.78
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD21	10	0.78
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD22	10	0.78
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD23	10	0.78
(1,247)	2:172:B:TRP:HZ3	2:169:B:VAL:HG11	4	0.78
(1,247)	2:172:B:TRP:HZ3	2:169:B:VAL:HG12	4	0.78
(1,247)	2:172:B:TRP:HZ3	2:169:B:VAL:HG13	4	0.78
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG21	2	0.78
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG22	2	0.78
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG23	2	0.78
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG21	2	0.78
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG22	2	0.78
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG23	2	0.78
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG21	2	0.78
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG22	2	0.78
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG23	2	0.78
(1,3904)	2:286:B:LEU:HD11	1:204:A:PRO:HG3	20	0.77
(1,3904)	2:286:B:LEU:HD12	1:204:A:PRO:HG3	20	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3904)	2:286:B:LEU:HD13	1:204:A:PRO:HG3	20	0.77
(1,3866)	2:210:B:LYS:HA	1:203:A:GLN:HG3	15	0.77
(1,3820)	2:287:B:LEU:HA	2:287:B:LEU:HD11	16	0.77
(1,3820)	2:287:B:LEU:HA	2:287:B:LEU:HD12	16	0.77
(1,3820)	2:287:B:LEU:HA	2:287:B:LEU:HD13	16	0.77
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE1	3	0.77
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE2	3	0.77
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE3	3	0.77
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	9	0.77
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	9	0.77
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	9	0.77
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG21	3	0.77
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG22	3	0.77
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG23	3	0.77
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG21	7	0.77
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG22	7	0.77
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG23	7	0.77
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG21	17	0.77
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG22	17	0.77
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG23	17	0.77
(1,2674)	2:313:B:VAL:HG21	2:313:B:VAL:H	17	0.77
(1,2674)	2:313:B:VAL:HG22	2:313:B:VAL:H	17	0.77
(1,2674)	2:313:B:VAL:HG23	2:313:B:VAL:H	17	0.77
(1,2601)	2:305:B:LEU:HD21	2:301:B:ASN:H	5	0.77
(1,2601)	2:305:B:LEU:HD22	2:301:B:ASN:H	5	0.77
(1,2601)	2:305:B:LEU:HD23	2:301:B:ASN:H	5	0.77
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	9	0.77
(1,1569)	2:288:B:LEU:HD21	2:157:B:LYS:H	1	0.77
(1,1569)	2:288:B:LEU:HD22	2:157:B:LYS:H	1	0.77
(1,1569)	2:288:B:LEU:HD23	2:157:B:LYS:H	1	0.77
(1,1320)	2:236:B:LYS:HB3	1:224:A:GLN:HG2	18	0.77
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD21	2	0.77
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD22	2	0.77
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD23	2	0.77
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD21	2	0.77
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD22	2	0.77
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD23	2	0.77
(1,1021)	2:298:B:LEU:HD21	2:295:B:LEU:HD21	16	0.77
(1,1021)	2:298:B:LEU:HD21	2:295:B:LEU:HD22	16	0.77
(1,1021)	2:298:B:LEU:HD21	2:295:B:LEU:HD23	16	0.77
(1,1021)	2:298:B:LEU:HD22	2:295:B:LEU:HD21	16	0.77
(1,1021)	2:298:B:LEU:HD22	2:295:B:LEU:HD22	16	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1021)	2:298:B:LEU:HD22	2:295:B:LEU:HD23	16	0.77
(1,1021)	2:298:B:LEU:HD23	2:295:B:LEU:HD21	16	0.77
(1,1021)	2:298:B:LEU:HD23	2:295:B:LEU:HD22	16	0.77
(1,1021)	2:298:B:LEU:HD23	2:295:B:LEU:HD23	16	0.77
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD11	12	0.77
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD12	12	0.77
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD13	12	0.77
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD11	12	0.77
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD12	12	0.77
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD13	12	0.77
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD11	12	0.77
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD12	12	0.77
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD13	12	0.77
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD11	4	0.77
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD12	4	0.77
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD13	4	0.77
(1,699)	2:254:B:MET:HE1	2:246:B:LEU:HD11	16	0.77
(1,699)	2:254:B:MET:HE1	2:246:B:LEU:HD12	16	0.77
(1,699)	2:254:B:MET:HE1	2:246:B:LEU:HD13	16	0.77
(1,699)	2:254:B:MET:HE2	2:246:B:LEU:HD11	16	0.77
(1,699)	2:254:B:MET:HE2	2:246:B:LEU:HD12	16	0.77
(1,699)	2:254:B:MET:HE2	2:246:B:LEU:HD13	16	0.77
(1,699)	2:254:B:MET:HE3	2:246:B:LEU:HD11	16	0.77
(1,699)	2:254:B:MET:HE3	2:246:B:LEU:HD12	16	0.77
(1,699)	2:254:B:MET:HE3	2:246:B:LEU:HD13	16	0.77
(1,406)	2:263:B:LEU:HD21	2:190:B:VAL:HG11	14	0.77
(1,406)	2:263:B:LEU:HD21	2:190:B:VAL:HG12	14	0.77
(1,406)	2:263:B:LEU:HD21	2:190:B:VAL:HG13	14	0.77
(1,406)	2:263:B:LEU:HD22	2:190:B:VAL:HG11	14	0.77
(1,406)	2:263:B:LEU:HD22	2:190:B:VAL:HG12	14	0.77
(1,406)	2:263:B:LEU:HD22	2:190:B:VAL:HG13	14	0.77
(1,406)	2:263:B:LEU:HD23	2:190:B:VAL:HG11	14	0.77
(1,406)	2:263:B:LEU:HD23	2:190:B:VAL:HG12	14	0.77
(1,406)	2:263:B:LEU:HD23	2:190:B:VAL:HG13	14	0.77
(1,376)	2:187:B:LYS:HB3	2:187:B:LYS:HE3	19	0.77
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD11	4	0.77
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD12	4	0.77
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD13	4	0.77
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD11	4	0.77
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD12	4	0.77
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD13	4	0.77
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD11	4	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD12	4	0.77
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD13	4	0.77
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD11	4	0.77
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD12	4	0.77
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD13	4	0.77
(1,3937)	2:237:B:PHE:HD1	2:176:B:THR:HA	15	0.76
(1,3937)	2:237:B:PHE:HD2	2:176:B:THR:HA	15	0.76
(1,3789)	2:269:B:ARG:HA	2:273:B:MET:HE1	9	0.76
(1,3789)	2:269:B:ARG:HA	2:273:B:MET:HE2	9	0.76
(1,3789)	2:269:B:ARG:HA	2:273:B:MET:HE3	9	0.76
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	15	0.76
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	15	0.76
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	15	0.76
(1,3653)	2:176:B:THR:HA	2:179:B:LYS:HD3	14	0.76
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	12	0.76
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	12	0.76
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	12	0.76
(1,2676)	2:312:B:GLU:HB3	2:313:B:VAL:H	15	0.76
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD11	11	0.76
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD12	11	0.76
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD13	11	0.76
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD11	17	0.76
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD12	17	0.76
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD13	17	0.76
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG11	8	0.76
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG12	8	0.76
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG13	8	0.76
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG11	8	0.76
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG12	8	0.76
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG13	8	0.76
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD11	18	0.76
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD12	18	0.76
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD13	18	0.76
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	9	0.75
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	9	0.75
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	9	0.75
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	10	0.75
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	10	0.75
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	10	0.75
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB1	7	0.75
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB2	7	0.75
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB3	7	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	9	0.75
(1,1729)	2:313:B:VAL:HG11	2:180:B:GLN:H	20	0.75
(1,1729)	2:313:B:VAL:HG12	2:180:B:GLN:H	20	0.75
(1,1729)	2:313:B:VAL:HG13	2:180:B:GLN:H	20	0.75
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD11	8	0.75
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD12	8	0.75
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD13	8	0.75
(1,969)	2:290:B:TYR:HB2	2:287:B:LEU:HD11	4	0.75
(1,969)	2:290:B:TYR:HB2	2:287:B:LEU:HD12	4	0.75
(1,969)	2:290:B:TYR:HB2	2:287:B:LEU:HD13	4	0.75
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD11	15	0.75
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD12	15	0.75
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD13	15	0.75
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD11	2	0.75
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD12	2	0.75
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD13	2	0.75
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD11	17	0.75
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD12	17	0.75
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD13	17	0.75
(1,766)	2:252:B:ALA:HB1	2:257:B:VAL:HG11	18	0.75
(1,766)	2:252:B:ALA:HB1	2:257:B:VAL:HG12	18	0.75
(1,766)	2:252:B:ALA:HB1	2:257:B:VAL:HG13	18	0.75
(1,766)	2:252:B:ALA:HB2	2:257:B:VAL:HG11	18	0.75
(1,766)	2:252:B:ALA:HB2	2:257:B:VAL:HG12	18	0.75
(1,766)	2:252:B:ALA:HB2	2:257:B:VAL:HG13	18	0.75
(1,766)	2:252:B:ALA:HB3	2:257:B:VAL:HG11	18	0.75
(1,766)	2:252:B:ALA:HB3	2:257:B:VAL:HG12	18	0.75
(1,766)	2:252:B:ALA:HB3	2:257:B:VAL:HG13	18	0.75
(1,695)	2:245:B:ILE:HB	2:246:B:LEU:HD11	9	0.75
(1,695)	2:245:B:ILE:HB	2:246:B:LEU:HD12	9	0.75
(1,695)	2:245:B:ILE:HB	2:246:B:LEU:HD13	9	0.75
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD11	6	0.75
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD12	6	0.75
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD13	6	0.75
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD11	6	0.75
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD12	6	0.75
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD13	6	0.75
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD11	6	0.75
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD12	6	0.75
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD13	6	0.75
(1,213)	2:159:B:LYS:HG3	2:159:B:LYS:HE3	13	0.75
(1,3911)	2:167:B:TRP:HZ3	2:308:B:ALA:HB1	10	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3911)	2:167:B:TRP:HZ3	2:308:B:ALA:HB2	10	0.74
(1,3911)	2:167:B:TRP:HZ3	2:308:B:ALA:HB3	10	0.74
(1,3841)	2:267:B:PHE:HZ	2:298:B:LEU:HD21	17	0.74
(1,3841)	2:267:B:PHE:HZ	2:298:B:LEU:HD22	17	0.74
(1,3841)	2:267:B:PHE:HZ	2:298:B:LEU:HD23	17	0.74
(1,3820)	2:287:B:LEU:HA	2:287:B:LEU:HD11	18	0.74
(1,3820)	2:287:B:LEU:HA	2:287:B:LEU:HD12	18	0.74
(1,3820)	2:287:B:LEU:HA	2:287:B:LEU:HD13	18	0.74
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD21	12	0.74
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD22	12	0.74
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD23	12	0.74
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD21	12	0.74
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD22	12	0.74
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD23	12	0.74
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD21	12	0.74
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD22	12	0.74
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD23	12	0.74
(1,3762)	2:253:B:PRO:HG3	2:252:B:ALA:HB1	15	0.74
(1,3762)	2:253:B:PRO:HG3	2:252:B:ALA:HB2	15	0.74
(1,3762)	2:253:B:PRO:HG3	2:252:B:ALA:HB3	15	0.74
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD11	3	0.74
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD12	3	0.74
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD13	3	0.74
(1,3602)	1:206:A:LEU:HD21	2:274:B:LEU:HD11	11	0.74
(1,3602)	1:206:A:LEU:HD21	2:274:B:LEU:HD12	11	0.74
(1,3602)	1:206:A:LEU:HD21	2:274:B:LEU:HD13	11	0.74
(1,3602)	1:206:A:LEU:HD22	2:274:B:LEU:HD11	11	0.74
(1,3602)	1:206:A:LEU:HD22	2:274:B:LEU:HD12	11	0.74
(1,3602)	1:206:A:LEU:HD22	2:274:B:LEU:HD13	11	0.74
(1,3602)	1:206:A:LEU:HD23	2:274:B:LEU:HD11	11	0.74
(1,3602)	1:206:A:LEU:HD23	2:274:B:LEU:HD12	11	0.74
(1,3602)	1:206:A:LEU:HD23	2:274:B:LEU:HD13	11	0.74
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG21	20	0.74
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG22	20	0.74
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG23	20	0.74
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD21	5	0.74
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD22	5	0.74
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD23	5	0.74
(1,2602)	2:164:B:LEU:HD21	2:302:B:SER:H	14	0.74
(1,2602)	2:164:B:LEU:HD22	2:302:B:SER:H	14	0.74
(1,2602)	2:164:B:LEU:HD23	2:302:B:SER:H	14	0.74
(1,2430)	2:282:B:LYS:HB2	2:283:B:SER:H	6	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2069)	2:269:B:ARG:HB2	2:232:B:GLN:HE22	18	0.74
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	17	0.74
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD11	16	0.74
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD12	16	0.74
(1,1264)	2:277:B:THR:HB	1:213:A:LEU:HD13	16	0.74
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD21	16	0.74
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD22	16	0.74
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD23	16	0.74
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD21	16	0.74
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD22	16	0.74
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD23	16	0.74
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD11	4	0.74
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD12	4	0.74
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD13	4	0.74
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD11	16	0.74
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD12	16	0.74
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD13	16	0.74
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD11	8	0.74
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD12	8	0.74
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD13	8	0.74
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD11	8	0.74
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD12	8	0.74
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD13	8	0.74
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD11	8	0.74
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD12	8	0.74
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD13	8	0.74
(1,3894)	2:236:B:LYS:HG3	1:224:A:GLN:HG2	3	0.73
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD11	4	0.73
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD12	4	0.73
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD13	4	0.73
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD11	4	0.73
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD12	4	0.73
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD13	4	0.73
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD11	4	0.73
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD12	4	0.73
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD13	4	0.73
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	1	0.73
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	1	0.73
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	1	0.73
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD11	8	0.73
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD12	8	0.73
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD13	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD11	2	0.73
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD12	2	0.73
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD13	2	0.73
(1,3665)	2:184:B:LEU:HB2	2:185:B:PRO:HB3	13	0.73
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG21	16	0.73
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG22	16	0.73
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG23	16	0.73
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG21	16	0.73
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG22	16	0.73
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG23	16	0.73
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG21	16	0.73
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG22	16	0.73
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG23	16	0.73
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	16	0.73
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	16	0.73
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	16	0.73
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	16	0.73
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	16	0.73
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	16	0.73
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	16	0.73
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	16	0.73
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	16	0.73
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG21	6	0.73
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG22	6	0.73
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG23	6	0.73
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG21	9	0.73
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG22	9	0.73
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG23	9	0.73
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG21	10	0.73
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG22	10	0.73
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG23	10	0.73
(1,2923)	1:227:A:LEU:HD11	1:226:A:GLN:H	5	0.73
(1,2923)	1:227:A:LEU:HD12	1:226:A:GLN:H	5	0.73
(1,2923)	1:227:A:LEU:HD13	1:226:A:GLN:H	5	0.73
(1,2744)	1:234:A:THR:HB	1:224:A:GLN:HE21	8	0.73
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	20	0.73
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	3	0.73
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD11	5	0.73
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD12	5	0.73
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD13	5	0.73
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD11	15	0.73
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD12	15	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD13	15	0.73
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD11	12	0.73
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD12	12	0.73
(1,954)	2:286:B:LEU:HA	2:286:B:LEU:HD13	12	0.73
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD11	10	0.73
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD12	10	0.73
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD13	10	0.73
(1,699)	2:254:B:MET:HE1	2:246:B:LEU:HD11	9	0.73
(1,699)	2:254:B:MET:HE1	2:246:B:LEU:HD12	9	0.73
(1,699)	2:254:B:MET:HE1	2:246:B:LEU:HD13	9	0.73
(1,699)	2:254:B:MET:HE2	2:246:B:LEU:HD11	9	0.73
(1,699)	2:254:B:MET:HE2	2:246:B:LEU:HD12	9	0.73
(1,699)	2:254:B:MET:HE2	2:246:B:LEU:HD13	9	0.73
(1,699)	2:254:B:MET:HE3	2:246:B:LEU:HD11	9	0.73
(1,699)	2:254:B:MET:HE3	2:246:B:LEU:HD12	9	0.73
(1,699)	2:254:B:MET:HE3	2:246:B:LEU:HD13	9	0.73
(1,571)	2:233:B:LEU:HD21	2:228:B:MET:HE1	4	0.73
(1,571)	2:233:B:LEU:HD21	2:228:B:MET:HE2	4	0.73
(1,571)	2:233:B:LEU:HD21	2:228:B:MET:HE3	4	0.73
(1,571)	2:233:B:LEU:HD22	2:228:B:MET:HE1	4	0.73
(1,571)	2:233:B:LEU:HD22	2:228:B:MET:HE2	4	0.73
(1,571)	2:233:B:LEU:HD22	2:228:B:MET:HE3	4	0.73
(1,571)	2:233:B:LEU:HD23	2:228:B:MET:HE1	4	0.73
(1,571)	2:233:B:LEU:HD23	2:228:B:MET:HE2	4	0.73
(1,571)	2:233:B:LEU:HD23	2:228:B:MET:HE3	4	0.73
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE2	13	0.73
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE2	13	0.73
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE2	13	0.73
(1,435)	2:190:B:VAL:HG11	2:194:B:LEU:HD21	5	0.73
(1,435)	2:190:B:VAL:HG11	2:194:B:LEU:HD22	5	0.73
(1,435)	2:190:B:VAL:HG11	2:194:B:LEU:HD23	5	0.73
(1,435)	2:190:B:VAL:HG12	2:194:B:LEU:HD21	5	0.73
(1,435)	2:190:B:VAL:HG12	2:194:B:LEU:HD22	5	0.73
(1,435)	2:190:B:VAL:HG12	2:194:B:LEU:HD23	5	0.73
(1,435)	2:190:B:VAL:HG13	2:194:B:LEU:HD21	5	0.73
(1,435)	2:190:B:VAL:HG13	2:194:B:LEU:HD22	5	0.73
(1,435)	2:190:B:VAL:HG13	2:194:B:LEU:HD23	5	0.73
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD11	2	0.73
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD12	2	0.73
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD13	2	0.73
(1,213)	2:159:B:LYS:HG3	2:159:B:LYS:HE3	14	0.73
(1,168)	2:173:B:ASP:HA	2:177:B:ARG:HG2	18	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	5	0.72
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	5	0.72
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	5	0.72
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB1	8	0.72
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB2	8	0.72
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB3	8	0.72
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	7	0.72
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD21	11	0.72
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD22	11	0.72
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD23	11	0.72
(1,1169)	2:319:B:HIS:HB3	2:323:B:VAL:HG21	2	0.72
(1,1169)	2:319:B:HIS:HB3	2:323:B:VAL:HG22	2	0.72
(1,1169)	2:319:B:HIS:HB3	2:323:B:VAL:HG23	2	0.72
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD11	3	0.72
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD12	3	0.72
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD13	3	0.72
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD11	11	0.72
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD12	11	0.72
(1,1060)	2:305:B:LEU:HA	2:305:B:LEU:HD13	11	0.72
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB1	11	0.71
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB2	11	0.71
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB3	11	0.71
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB1	11	0.71
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB2	11	0.71
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB3	11	0.71
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB1	11	0.71
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB2	11	0.71
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB3	11	0.71
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	15	0.71
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	15	0.71
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	15	0.71
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD21	18	0.71
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD22	18	0.71
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD23	18	0.71
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	7	0.71
(1,2676)	2:312:B:GLU:HB3	2:313:B:VAL:H	7	0.71
(1,2525)	2:291:B:LEU:HD21	2:292:B:HIS:H	16	0.71
(1,2525)	2:291:B:LEU:HD22	2:292:B:HIS:H	16	0.71
(1,2525)	2:291:B:LEU:HD23	2:292:B:HIS:H	16	0.71
(1,1343)	2:268:B:VAL:HG21	1:231:A:LEU:HD11	7	0.71
(1,1343)	2:268:B:VAL:HG21	1:231:A:LEU:HD12	7	0.71
(1,1343)	2:268:B:VAL:HG21	1:231:A:LEU:HD13	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	2:268:B:VAL:HG22	1:231:A:LEU:HD11	7	0.71
(1,1343)	2:268:B:VAL:HG22	1:231:A:LEU:HD12	7	0.71
(1,1343)	2:268:B:VAL:HG22	1:231:A:LEU:HD13	7	0.71
(1,1343)	2:268:B:VAL:HG23	1:231:A:LEU:HD11	7	0.71
(1,1343)	2:268:B:VAL:HG23	1:231:A:LEU:HD12	7	0.71
(1,1343)	2:268:B:VAL:HG23	1:231:A:LEU:HD13	7	0.71
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD21	5	0.71
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD22	5	0.71
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD23	5	0.71
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD21	5	0.71
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD22	5	0.71
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD23	5	0.71
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD21	5	0.71
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD22	5	0.71
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD23	5	0.71
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG11	4	0.71
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG12	4	0.71
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG13	4	0.71
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG11	4	0.71
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG12	4	0.71
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG13	4	0.71
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD11	20	0.71
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD12	20	0.71
(1,1034)	2:295:B:LEU:HD21	2:298:B:LEU:HD13	20	0.71
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD11	20	0.71
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD12	20	0.71
(1,1034)	2:295:B:LEU:HD22	2:298:B:LEU:HD13	20	0.71
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD11	20	0.71
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD12	20	0.71
(1,1034)	2:295:B:LEU:HD23	2:298:B:LEU:HD13	20	0.71
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG21	3	0.71
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG22	3	0.71
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG23	3	0.71
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG21	3	0.71
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG22	3	0.71
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG23	3	0.71
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG21	3	0.71
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG22	3	0.71
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG23	3	0.71
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG11	20	0.71
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG12	20	0.71
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG13	20	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG11	20	0.71
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG12	20	0.71
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG13	20	0.71
(1,406)	2:263:B:LEU:HD21	2:190:B:VAL:HG11	5	0.71
(1,406)	2:263:B:LEU:HD21	2:190:B:VAL:HG12	5	0.71
(1,406)	2:263:B:LEU:HD21	2:190:B:VAL:HG13	5	0.71
(1,406)	2:263:B:LEU:HD22	2:190:B:VAL:HG11	5	0.71
(1,406)	2:263:B:LEU:HD22	2:190:B:VAL:HG12	5	0.71
(1,406)	2:263:B:LEU:HD22	2:190:B:VAL:HG13	5	0.71
(1,406)	2:263:B:LEU:HD23	2:190:B:VAL:HG11	5	0.71
(1,406)	2:263:B:LEU:HD23	2:190:B:VAL:HG12	5	0.71
(1,406)	2:263:B:LEU:HD23	2:190:B:VAL:HG13	5	0.71
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD11	3	0.71
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD12	3	0.71
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD13	3	0.71
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD11	7	0.71
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD12	7	0.71
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD13	7	0.71
(1,213)	2:159:B:LYS:HG3	2:159:B:LYS:HE3	15	0.71
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	16	0.7
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	16	0.7
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	16	0.7
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD21	1	0.7
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD22	1	0.7
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD23	1	0.7
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD21	1	0.7
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD22	1	0.7
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD23	1	0.7
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD21	1	0.7
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD22	1	0.7
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD23	1	0.7
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD11	9	0.7
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD12	9	0.7
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD13	9	0.7
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG21	5	0.7
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG22	5	0.7
(1,3558)	1:222:A:PRO:HD3	1:223:A:THR:HG23	5	0.7
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG21	1	0.7
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG22	1	0.7
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG23	1	0.7
(1,1690)	2:174:B:LEU:HD11	2:178:B:GLN:HE22	11	0.7
(1,1690)	2:174:B:LEU:HD12	2:178:B:GLN:HE22	11	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	2:174:B:LEU:HD13	2:178:B:GLN:HE22	11	0.7
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	4	0.7
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	4	0.7
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	4	0.7
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	4	0.7
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	4	0.7
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	4	0.7
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	4	0.7
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	4	0.7
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	4	0.7
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD21	11	0.7
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD22	11	0.7
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD23	11	0.7
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG11	12	0.7
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG12	12	0.7
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG13	12	0.7
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG11	12	0.7
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG12	12	0.7
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG13	12	0.7
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD11	9	0.7
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD12	9	0.7
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD13	9	0.7
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD11	9	0.7
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD12	9	0.7
(1,257)	2:178:B:GLN:HB3	2:174:B:LEU:HD13	9	0.7
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD21	11	0.7
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD22	11	0.7
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD23	11	0.7
(1,213)	2:159:B:LYS:HG3	2:159:B:LYS:HE3	1	0.7
(1,213)	2:159:B:LYS:HG3	2:159:B:LYS:HE3	5	0.7
(1,3909)	2:265:B:ARG:HA	1:231:A:LEU:HD11	18	0.69
(1,3909)	2:265:B:ARG:HA	1:231:A:LEU:HD12	18	0.69
(1,3909)	2:265:B:ARG:HA	1:231:A:LEU:HD13	18	0.69
(1,3866)	2:210:B:LYS:HA	1:203:A:GLN:HG2	14	0.69
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG21	15	0.69
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG22	15	0.69
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG23	15	0.69
(1,3624)	2:296:B:LYS:HE2	2:296:B:LYS:HG2	11	0.69
(1,3550)	1:234:A:THR:HA	1:233:A:CYS:HB3	10	0.69
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD21	9	0.69
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD22	9	0.69
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD23	9	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3011)	1:205:A:GLN:HG3	1:208:A:ARG:HG2	9	0.69
(1,3011)	1:205:A:GLN:HG2	1:208:A:ARG:HG2	11	0.69
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	10	0.69
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD11	14	0.69
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD12	14	0.69
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD13	14	0.69
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD11	14	0.69
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD12	14	0.69
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD13	14	0.69
(1,1313)	2:235:B:TYR:HE1	1:224:A:GLN:HG3	13	0.69
(1,1313)	2:235:B:TYR:HE2	1:224:A:GLN:HG3	13	0.69
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	11	0.69
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	11	0.69
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	11	0.69
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	11	0.69
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	11	0.69
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	11	0.69
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG11	12	0.69
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG12	12	0.69
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG13	12	0.69
(1,213)	2:159:B:LYS:HG3	2:159:B:LYS:HE3	16	0.69
(1,213)	2:159:B:LYS:HG3	2:159:B:LYS:HE3	20	0.69
(1,3904)	2:286:B:LEU:HD11	1:204:A:PRO:HG3	8	0.68
(1,3904)	2:286:B:LEU:HD12	1:204:A:PRO:HG3	8	0.68
(1,3904)	2:286:B:LEU:HD13	1:204:A:PRO:HG3	8	0.68
(1,3904)	2:286:B:LEU:HD11	1:204:A:PRO:HG3	13	0.68
(1,3904)	2:286:B:LEU:HD12	1:204:A:PRO:HG3	13	0.68
(1,3904)	2:286:B:LEU:HD13	1:204:A:PRO:HG3	13	0.68
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE1	10	0.68
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE2	10	0.68
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE3	10	0.68
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE1	20	0.68
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE2	20	0.68
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE3	20	0.68
(1,3726)	2:219:B:ALA:HA	2:222:B:LYS:HE2	9	0.68
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB1	6	0.68
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB2	6	0.68
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB3	6	0.68
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG21	2	0.68
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG22	2	0.68
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG23	2	0.68
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG21	11	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG22	11	0.68
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG23	11	0.68
(1,3519)	1:227:A:LEU:HA	1:231:A:LEU:HD11	13	0.68
(1,3519)	1:227:A:LEU:HA	1:231:A:LEU:HD12	13	0.68
(1,3519)	1:227:A:LEU:HA	1:231:A:LEU:HD13	13	0.68
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	5	0.68
(1,2069)	2:269:B:ARG:HB3	2:232:B:GLN:HE22	13	0.68
(1,1575)	2:158:B:VAL:HG21	2:158:B:VAL:H	6	0.68
(1,1575)	2:158:B:VAL:HG22	2:158:B:VAL:H	6	0.68
(1,1575)	2:158:B:VAL:HG23	2:158:B:VAL:H	6	0.68
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD21	2	0.68
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD22	2	0.68
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD23	2	0.68
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD21	2	0.68
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD22	2	0.68
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD23	2	0.68
(1,921)	2:282:B:LYS:HG2	2:282:B:LYS:HA	6	0.68
(1,551)	2:194:B:LEU:HD11	2:222:B:LYS:HB2	15	0.68
(1,551)	2:194:B:LEU:HD12	2:222:B:LYS:HB2	15	0.68
(1,551)	2:194:B:LEU:HD13	2:222:B:LYS:HB2	15	0.68
(1,215)	2:292:B:HIS:HE1	2:159:B:LYS:HE2	13	0.68
(1,213)	2:159:B:LYS:HG3	2:159:B:LYS:HE2	8	0.68
(1,3937)	2:237:B:PHE:HD1	2:176:B:THR:HA	8	0.67
(1,3937)	2:237:B:PHE:HD2	2:176:B:THR:HA	8	0.67
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB1	2	0.67
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB2	2	0.67
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB3	2	0.67
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB1	2	0.67
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB2	2	0.67
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB3	2	0.67
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB1	2	0.67
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB2	2	0.67
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB3	2	0.67
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB1	3	0.67
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB2	3	0.67
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB3	3	0.67
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB1	3	0.67
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB2	3	0.67
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB3	3	0.67
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB1	3	0.67
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB2	3	0.67
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB3	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE1	15	0.67
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE2	15	0.67
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE3	15	0.67
(1,3670)	2:194:B:LEU:HB2	2:191:B:ASP:HA	14	0.67
(1,3189)	1:207:A:ARG:HG3	1:211:A:GLU:HG3	9	0.67
(1,2068)	2:228:B:MET:HG3	2:232:B:GLN:HE22	8	0.67
(1,1760)	2:245:B:ILE:HD11	2:186:B:ALA:H	11	0.67
(1,1760)	2:245:B:ILE:HD12	2:186:B:ALA:H	11	0.67
(1,1760)	2:245:B:ILE:HD13	2:186:B:ALA:H	11	0.67
(1,1575)	2:158:B:VAL:HG21	2:158:B:VAL:H	15	0.67
(1,1575)	2:158:B:VAL:HG22	2:158:B:VAL:H	15	0.67
(1,1575)	2:158:B:VAL:HG23	2:158:B:VAL:H	15	0.67
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD11	4	0.67
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD12	4	0.67
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD13	4	0.67
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD11	3	0.67
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD12	3	0.67
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD13	3	0.67
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD11	8	0.67
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD12	8	0.67
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD13	8	0.67
(1,611)	2:229:B:LEU:HD11	2:234:B:LEU:HD11	1	0.67
(1,611)	2:229:B:LEU:HD11	2:234:B:LEU:HD12	1	0.67
(1,611)	2:229:B:LEU:HD11	2:234:B:LEU:HD13	1	0.67
(1,611)	2:229:B:LEU:HD12	2:234:B:LEU:HD11	1	0.67
(1,611)	2:229:B:LEU:HD12	2:234:B:LEU:HD12	1	0.67
(1,611)	2:229:B:LEU:HD12	2:234:B:LEU:HD13	1	0.67
(1,611)	2:229:B:LEU:HD13	2:234:B:LEU:HD11	1	0.67
(1,611)	2:229:B:LEU:HD13	2:234:B:LEU:HD12	1	0.67
(1,611)	2:229:B:LEU:HD13	2:234:B:LEU:HD13	1	0.67
(1,571)	2:233:B:LEU:HD21	2:228:B:MET:HE1	11	0.67
(1,571)	2:233:B:LEU:HD21	2:228:B:MET:HE2	11	0.67
(1,571)	2:233:B:LEU:HD21	2:228:B:MET:HE3	11	0.67
(1,571)	2:233:B:LEU:HD22	2:228:B:MET:HE1	11	0.67
(1,571)	2:233:B:LEU:HD22	2:228:B:MET:HE2	11	0.67
(1,571)	2:233:B:LEU:HD22	2:228:B:MET:HE3	11	0.67
(1,571)	2:233:B:LEU:HD23	2:228:B:MET:HE1	11	0.67
(1,571)	2:233:B:LEU:HD23	2:228:B:MET:HE2	11	0.67
(1,571)	2:233:B:LEU:HD23	2:228:B:MET:HE3	11	0.67
(1,155)	1:210:A:PHE:HE1	2:287:B:LEU:HD11	4	0.67
(1,155)	1:210:A:PHE:HE1	2:287:B:LEU:HD12	4	0.67
(1,155)	1:210:A:PHE:HE1	2:287:B:LEU:HD13	4	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:210:A:PHE:HE2	2:287:B:LEU:HD11	4	0.67
(1,155)	1:210:A:PHE:HE2	2:287:B:LEU:HD12	4	0.67
(1,155)	1:210:A:PHE:HE2	2:287:B:LEU:HD13	4	0.67
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG21	8	0.67
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG22	8	0.67
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG23	8	0.67
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG21	8	0.67
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG22	8	0.67
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG23	8	0.67
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG21	8	0.67
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG22	8	0.67
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG23	8	0.67
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG11	10	0.66
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG12	10	0.66
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG13	10	0.66
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG11	10	0.66
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG12	10	0.66
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG13	10	0.66
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD11	12	0.66
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD12	12	0.66
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD13	12	0.66
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB1	4	0.66
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB2	4	0.66
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB3	4	0.66
(1,3692)	2:305:B:LEU:HB2	2:193:B:ILE:HD11	16	0.66
(1,3692)	2:305:B:LEU:HB2	2:193:B:ILE:HD12	16	0.66
(1,3692)	2:305:B:LEU:HB2	2:193:B:ILE:HD13	16	0.66
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	4	0.66
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	4	0.66
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	4	0.66
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG21	19	0.66
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG22	19	0.66
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG23	19	0.66
(1,3103)	1:208:A:ARG:HG2	1:205:A:GLN:HG3	3	0.66
(1,3070)	1:202:A:VAL:HA	1:203:A:GLN:HG3	18	0.66
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG21	4	0.66
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG22	4	0.66
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG23	4	0.66
(1,2525)	2:291:B:LEU:HD21	2:292:B:HIS:H	7	0.66
(1,2525)	2:291:B:LEU:HD22	2:292:B:HIS:H	7	0.66
(1,2525)	2:291:B:LEU:HD23	2:292:B:HIS:H	7	0.66
(1,1575)	2:158:B:VAL:HG21	2:158:B:VAL:H	1	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1575)	2:158:B:VAL:HG22	2:158:B:VAL:H	1	0.66
(1,1575)	2:158:B:VAL:HG23	2:158:B:VAL:H	1	0.66
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	15	0.66
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	15	0.66
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	15	0.66
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	15	0.66
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	15	0.66
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	15	0.66
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD11	18	0.65
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD12	18	0.65
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD13	18	0.65
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD11	18	0.65
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD12	18	0.65
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD13	18	0.65
(1,3937)	2:237:B:PHE:HD1	2:176:B:THR:HA	12	0.65
(1,3937)	2:237:B:PHE:HD2	2:176:B:THR:HA	12	0.65
(1,3937)	2:237:B:PHE:HD1	2:240:B:PRO:HD3	14	0.65
(1,3937)	2:237:B:PHE:HD2	2:240:B:PRO:HD3	14	0.65
(1,3904)	2:286:B:LEU:HD11	1:204:A:PRO:HG3	9	0.65
(1,3904)	2:286:B:LEU:HD12	1:204:A:PRO:HG3	9	0.65
(1,3904)	2:286:B:LEU:HD13	1:204:A:PRO:HG3	9	0.65
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB1	13	0.65
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB2	13	0.65
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB3	13	0.65
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB1	13	0.65
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB2	13	0.65
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB3	13	0.65
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB1	13	0.65
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB2	13	0.65
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB3	13	0.65
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD21	10	0.65
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD22	10	0.65
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD23	10	0.65
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD21	10	0.65
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD22	10	0.65
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD23	10	0.65
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD21	10	0.65
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD22	10	0.65
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD23	10	0.65
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB1	12	0.65
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB2	12	0.65
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB3	12	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3762)	2:253:B:PRO:HG3	2:252:B:ALA:HB1	17	0.65
(1,3762)	2:253:B:PRO:HG3	2:252:B:ALA:HB2	17	0.65
(1,3762)	2:253:B:PRO:HG3	2:252:B:ALA:HB3	17	0.65
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB1	5	0.65
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB2	5	0.65
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB3	5	0.65
(1,3682)	2:193:B:ILE:HD11	2:188:B:LYS:HE2	4	0.65
(1,3682)	2:193:B:ILE:HD12	2:188:B:LYS:HE2	4	0.65
(1,3682)	2:193:B:ILE:HD13	2:188:B:LYS:HE2	4	0.65
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD21	5	0.65
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD22	5	0.65
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD23	5	0.65
(1,3532)	1:228:A:PRO:HG2	1:231:A:LEU:HD21	6	0.65
(1,3532)	1:228:A:PRO:HG2	1:231:A:LEU:HD22	6	0.65
(1,3532)	1:228:A:PRO:HG2	1:231:A:LEU:HD23	6	0.65
(1,3067)	1:202:A:VAL:HG21	1:203:A:GLN:HG3	14	0.65
(1,3067)	1:202:A:VAL:HG22	1:203:A:GLN:HG3	14	0.65
(1,3067)	1:202:A:VAL:HG23	1:203:A:GLN:HG3	14	0.65
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	16	0.65
(1,2068)	2:228:B:MET:HG3	2:232:B:GLN:HE22	9	0.65
(1,1760)	2:245:B:ILE:HD11	2:186:B:ALA:H	8	0.65
(1,1760)	2:245:B:ILE:HD12	2:186:B:ALA:H	8	0.65
(1,1760)	2:245:B:ILE:HD13	2:186:B:ALA:H	8	0.65
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	13	0.65
(1,1553)	2:155:B:GLU:HB3	2:156:B:VAL:H	12	0.65
(1,1548)	2:155:B:GLU:HG2	2:155:B:GLU:H	12	0.65
(1,1313)	2:235:B:TYR:HE1	1:224:A:GLN:HG3	12	0.65
(1,1313)	2:235:B:TYR:HE2	1:224:A:GLN:HG3	12	0.65
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD11	11	0.65
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD12	11	0.65
(1,996)	2:221:B:ILE:HD11	2:291:B:LEU:HD13	11	0.65
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD11	11	0.65
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD12	11	0.65
(1,996)	2:221:B:ILE:HD12	2:291:B:LEU:HD13	11	0.65
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD11	11	0.65
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD12	11	0.65
(1,996)	2:221:B:ILE:HD13	2:291:B:LEU:HD13	11	0.65
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	8	0.65
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	8	0.65
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	8	0.65
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	8	0.65
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	8	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	8	0.65
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE1	5	0.64
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE2	5	0.64
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE3	5	0.64
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE1	16	0.64
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE2	16	0.64
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE3	16	0.64
(1,3653)	2:176:B:THR:HB	2:177:B:ARG:HG3	18	0.64
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	9	0.64
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	9	0.64
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	9	0.64
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	9	0.64
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	9	0.64
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	9	0.64
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	9	0.64
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	9	0.64
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	9	0.64
(1,3456)	1:231:A:LEU:HB2	1:227:A:LEU:HD21	2	0.64
(1,3456)	1:231:A:LEU:HB2	1:227:A:LEU:HD22	2	0.64
(1,3456)	1:231:A:LEU:HB2	1:227:A:LEU:HD23	2	0.64
(1,2874)	1:219:A:GLU:HB2	1:219:A:GLU:H	12	0.64
(1,2439)	2:279:B:LEU:HD21	2:284:B:LEU:H	19	0.64
(1,2439)	2:279:B:LEU:HD22	2:284:B:LEU:H	19	0.64
(1,2439)	2:279:B:LEU:HD23	2:284:B:LEU:H	19	0.64
(1,1569)	2:288:B:LEU:HD21	2:157:B:LYS:H	16	0.64
(1,1569)	2:288:B:LEU:HD22	2:157:B:LYS:H	16	0.64
(1,1569)	2:288:B:LEU:HD23	2:157:B:LYS:H	16	0.64
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD11	9	0.64
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD12	9	0.64
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD13	9	0.64
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD11	9	0.64
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD12	9	0.64
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD13	9	0.64
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD11	14	0.64
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD12	14	0.64
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD13	14	0.64
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD11	14	0.64
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD12	14	0.64
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD13	14	0.64
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD11	14	0.64
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD12	14	0.64
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD13	14	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1209)	2:286:B:LEU:HD21	1:204:A:PRO:HB2	12	0.64
(1,1209)	2:286:B:LEU:HD22	1:204:A:PRO:HB2	12	0.64
(1,1209)	2:286:B:LEU:HD23	1:204:A:PRO:HB2	12	0.64
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG11	6	0.64
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG12	6	0.64
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG13	6	0.64
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG11	6	0.64
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG12	6	0.64
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG13	6	0.64
(1,942)	2:279:B:LEU:HB2	2:284:B:LEU:HD21	9	0.64
(1,942)	2:279:B:LEU:HB2	2:284:B:LEU:HD22	9	0.64
(1,942)	2:279:B:LEU:HB2	2:284:B:LEU:HD23	9	0.64
(1,551)	2:194:B:LEU:HD11	2:222:B:LYS:HB2	19	0.64
(1,551)	2:194:B:LEU:HD12	2:222:B:LYS:HB2	19	0.64
(1,551)	2:194:B:LEU:HD13	2:222:B:LYS:HB2	19	0.64
(1,213)	2:159:B:LYS:HG3	2:159:B:LYS:HE3	9	0.64
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD21	5	0.63
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD22	5	0.63
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD23	5	0.63
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD21	7	0.63
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD22	7	0.63
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD23	7	0.63
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB1	15	0.63
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB2	15	0.63
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB3	15	0.63
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD21	16	0.63
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD22	16	0.63
(1,3656)	2:183:B:TYR:HA	2:181:B:LEU:HD23	16	0.63
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD21	20	0.63
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD22	20	0.63
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD23	20	0.63
(1,3070)	1:202:A:VAL:HA	1:203:A:GLN:HG3	14	0.63
(1,2874)	1:219:A:GLU:HB2	1:219:A:GLU:H	2	0.63
(1,2424)	2:282:B:LYS:HG3	2:282:B:LYS:H	8	0.63
(1,2044)	2:233:B:LEU:HD11	2:228:B:MET:H	8	0.63
(1,2044)	2:233:B:LEU:HD12	2:228:B:MET:H	8	0.63
(1,2044)	2:233:B:LEU:HD13	2:228:B:MET:H	8	0.63
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	12	0.63
(1,1729)	2:313:B:VAL:HG11	2:180:B:GLN:H	6	0.63
(1,1729)	2:313:B:VAL:HG12	2:180:B:GLN:H	6	0.63
(1,1729)	2:313:B:VAL:HG13	2:180:B:GLN:H	6	0.63
(1,1548)	2:155:B:GLU:HG3	2:155:B:GLU:H	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	2:176:B:THR:HG21	2:176:B:THR:H	3	0.63
(1,1528)	2:176:B:THR:HG22	2:176:B:THR:H	3	0.63
(1,1528)	2:176:B:THR:HG23	2:176:B:THR:H	3	0.63
(1,1322)	2:236:B:LYS:HD2	1:224:A:GLN:HG2	11	0.63
(1,1086)	2:183:B:TYR:HD1	2:312:B:GLU:HG3	18	0.63
(1,1086)	2:183:B:TYR:HD2	2:312:B:GLU:HG3	18	0.63
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD11	8	0.63
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD12	8	0.63
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD13	8	0.63
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	2	0.63
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	2	0.63
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	2	0.63
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	2	0.63
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	2	0.63
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	2	0.63
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	11	0.63
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	11	0.63
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	11	0.63
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	11	0.63
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	11	0.63
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	11	0.63
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD11	20	0.63
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD12	20	0.63
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD13	20	0.63
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD11	20	0.63
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD12	20	0.63
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD13	20	0.63
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD11	20	0.63
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD12	20	0.63
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD13	20	0.63
(1,3923)	2:200:B:TYR:HE1	2:297:B:TYR:HB2	17	0.62
(1,3923)	2:200:B:TYR:HE2	2:297:B:TYR:HB2	17	0.62
(1,3891)	2:270:B:ILE:HD11	1:217:A:ALA:HB1	15	0.62
(1,3891)	2:270:B:ILE:HD11	1:217:A:ALA:HB2	15	0.62
(1,3891)	2:270:B:ILE:HD11	1:217:A:ALA:HB3	15	0.62
(1,3891)	2:270:B:ILE:HD12	1:217:A:ALA:HB1	15	0.62
(1,3891)	2:270:B:ILE:HD12	1:217:A:ALA:HB2	15	0.62
(1,3891)	2:270:B:ILE:HD12	1:217:A:ALA:HB3	15	0.62
(1,3891)	2:270:B:ILE:HD13	1:217:A:ALA:HB1	15	0.62
(1,3891)	2:270:B:ILE:HD13	1:217:A:ALA:HB2	15	0.62
(1,3891)	2:270:B:ILE:HD13	1:217:A:ALA:HB3	15	0.62
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD11	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD12	11	0.62
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD13	11	0.62
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD11	11	0.62
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD12	11	0.62
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD13	11	0.62
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD11	11	0.62
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD12	11	0.62
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD13	11	0.62
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB1	11	0.62
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB2	11	0.62
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB3	11	0.62
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB1	11	0.62
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB2	11	0.62
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB3	11	0.62
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB1	11	0.62
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB2	11	0.62
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB3	11	0.62
(1,3658)	2:182:B:PHE:HD1	2:184:B:LEU:HD11	4	0.62
(1,3658)	2:182:B:PHE:HD1	2:184:B:LEU:HD12	4	0.62
(1,3658)	2:182:B:PHE:HD1	2:184:B:LEU:HD13	4	0.62
(1,3658)	2:182:B:PHE:HD2	2:184:B:LEU:HD11	4	0.62
(1,3658)	2:182:B:PHE:HD2	2:184:B:LEU:HD12	4	0.62
(1,3658)	2:182:B:PHE:HD2	2:184:B:LEU:HD13	4	0.62
(1,3657)	2:184:B:LEU:HB2	2:184:B:LEU:HD11	9	0.62
(1,3657)	2:184:B:LEU:HB2	2:184:B:LEU:HD12	9	0.62
(1,3657)	2:184:B:LEU:HB2	2:184:B:LEU:HD13	9	0.62
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD11	7	0.62
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD12	7	0.62
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD13	7	0.62
(1,3104)	1:209:A:PRO:HD3	1:205:A:GLN:HG2	19	0.62
(1,1729)	2:313:B:VAL:HG11	2:180:B:GLN:H	2	0.62
(1,1729)	2:313:B:VAL:HG12	2:180:B:GLN:H	2	0.62
(1,1729)	2:313:B:VAL:HG13	2:180:B:GLN:H	2	0.62
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD21	2	0.62
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD22	2	0.62
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD23	2	0.62
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD21	2	0.62
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD22	2	0.62
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD23	2	0.62
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD21	2	0.62
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD22	2	0.62
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD23	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE1	5	0.62
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE2	5	0.62
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE3	5	0.62
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE1	5	0.62
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE2	5	0.62
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE3	5	0.62
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE1	5	0.62
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE2	5	0.62
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE3	5	0.62
(1,695)	2:245:B:ILE:HB	2:246:B:LEU:HD11	7	0.62
(1,695)	2:245:B:ILE:HB	2:246:B:LEU:HD12	7	0.62
(1,695)	2:245:B:ILE:HB	2:246:B:LEU:HD13	7	0.62
(1,537)	2:294:B:PHE:HE1	2:221:B:ILE:HG12	17	0.62
(1,537)	2:294:B:PHE:HE2	2:221:B:ILE:HG12	17	0.62
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	6	0.61
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	6	0.61
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	6	0.61
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD11	15	0.61
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD12	15	0.61
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD13	15	0.61
(1,3703)	2:204:B:ARG:HG2	2:201:B:ARG:HA	15	0.61
(1,3657)	2:184:B:LEU:HB2	2:184:B:LEU:HD11	12	0.61
(1,3657)	2:184:B:LEU:HB2	2:184:B:LEU:HD12	12	0.61
(1,3657)	2:184:B:LEU:HB2	2:184:B:LEU:HD13	12	0.61
(1,3657)	2:184:B:LEU:HB2	2:184:B:LEU:HD11	17	0.61
(1,3657)	2:184:B:LEU:HB2	2:184:B:LEU:HD12	17	0.61
(1,3657)	2:184:B:LEU:HB2	2:184:B:LEU:HD13	17	0.61
(1,3503)	1:231:A:LEU:HD21	1:230:A:GLU:HG3	9	0.61
(1,3503)	1:231:A:LEU:HD22	1:230:A:GLU:HG3	9	0.61
(1,3503)	1:231:A:LEU:HD23	1:230:A:GLU:HG3	9	0.61
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	1	0.61
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	1	0.61
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	1	0.61
(1,3011)	1:205:A:GLN:HG3	1:208:A:ARG:HG2	6	0.61
(1,2738)	2:321:B:LYS:HB3	2:323:B:VAL:H	14	0.61
(1,1760)	2:184:B:LEU:HB2	2:186:B:ALA:H	16	0.61
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD21	20	0.61
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD22	20	0.61
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD23	20	0.61
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD21	20	0.61
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD22	20	0.61
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD23	20	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD21	20	0.61
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD22	20	0.61
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD23	20	0.61
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	15	0.61
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	15	0.61
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	15	0.61
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	15	0.61
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	15	0.61
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	15	0.61
(1,614)	2:258:B:TYR:HE1	2:257:B:VAL:HG21	3	0.61
(1,614)	2:258:B:TYR:HE1	2:257:B:VAL:HG22	3	0.61
(1,614)	2:258:B:TYR:HE1	2:257:B:VAL:HG23	3	0.61
(1,614)	2:258:B:TYR:HE2	2:257:B:VAL:HG21	3	0.61
(1,614)	2:258:B:TYR:HE2	2:257:B:VAL:HG22	3	0.61
(1,614)	2:258:B:TYR:HE2	2:257:B:VAL:HG23	3	0.61
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG11	5	0.61
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG12	5	0.61
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG13	5	0.61
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG11	5	0.61
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG12	5	0.61
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG13	5	0.61
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG11	19	0.61
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG12	19	0.61
(1,561)	2:224:B:TYR:HE1	2:227:B:VAL:HG13	19	0.61
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG11	19	0.61
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG12	19	0.61
(1,561)	2:224:B:TYR:HE2	2:227:B:VAL:HG13	19	0.61
(1,537)	2:294:B:PHE:HE1	2:221:B:ILE:HG12	15	0.61
(1,537)	2:294:B:PHE:HE2	2:221:B:ILE:HG12	15	0.61
(1,537)	2:294:B:PHE:HE1	2:221:B:ILE:HG12	19	0.61
(1,537)	2:294:B:PHE:HE2	2:221:B:ILE:HG12	19	0.61
(1,352)	2:241:B:GLN:HG3	2:184:B:LEU:HD21	1	0.61
(1,352)	2:241:B:GLN:HG3	2:184:B:LEU:HD22	1	0.61
(1,352)	2:241:B:GLN:HG3	2:184:B:LEU:HD23	1	0.61
(1,325)	2:319:B:HIS:HE1	2:179:B:LYS:HE2	4	0.61
(1,245)	2:268:B:VAL:HG11	2:168:B:LEU:HD21	7	0.61
(1,245)	2:268:B:VAL:HG11	2:168:B:LEU:HD22	7	0.61
(1,245)	2:268:B:VAL:HG11	2:168:B:LEU:HD23	7	0.61
(1,245)	2:268:B:VAL:HG12	2:168:B:LEU:HD21	7	0.61
(1,245)	2:268:B:VAL:HG12	2:168:B:LEU:HD22	7	0.61
(1,245)	2:268:B:VAL:HG12	2:168:B:LEU:HD23	7	0.61
(1,245)	2:268:B:VAL:HG13	2:168:B:LEU:HD21	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,245)	2:268:B:VAL:HG13	2:168:B:LEU:HD22	7	0.61
(1,245)	2:268:B:VAL:HG13	2:168:B:LEU:HD23	7	0.61
(1,3937)	2:237:B:PHE:HD1	2:176:B:THR:HA	4	0.6
(1,3937)	2:237:B:PHE:HD2	2:176:B:THR:HA	4	0.6
(1,3909)	2:168:B:LEU:HA	1:231:A:LEU:HD11	6	0.6
(1,3909)	2:168:B:LEU:HA	1:231:A:LEU:HD12	6	0.6
(1,3909)	2:168:B:LEU:HA	1:231:A:LEU:HD13	6	0.6
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD11	10	0.6
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD12	10	0.6
(1,3802)	2:283:B:SER:HB2	2:279:B:LEU:HD13	10	0.6
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB1	1	0.6
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB2	1	0.6
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB3	1	0.6
(1,3670)	2:194:B:LEU:HB2	2:191:B:ASP:HA	12	0.6
(1,3665)	2:184:B:LEU:HB2	2:185:B:PRO:HB2	2	0.6
(1,3665)	2:184:B:LEU:HB2	2:185:B:PRO:HB2	9	0.6
(1,3665)	2:184:B:LEU:HB2	2:185:B:PRO:HB2	17	0.6
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	17	0.6
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	17	0.6
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	17	0.6
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	6	0.6
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	6	0.6
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	6	0.6
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD21	17	0.6
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD22	17	0.6
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD23	17	0.6
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	19	0.6
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	19	0.6
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	19	0.6
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB1	19	0.6
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB2	19	0.6
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB3	19	0.6
(1,2439)	2:279:B:LEU:HD21	2:284:B:LEU:H	4	0.6
(1,2439)	2:279:B:LEU:HD22	2:284:B:LEU:H	4	0.6
(1,2439)	2:279:B:LEU:HD23	2:284:B:LEU:H	4	0.6
(1,2319)	2:158:B:VAL:HG21	2:270:B:ILE:H	11	0.6
(1,2319)	2:158:B:VAL:HG22	2:270:B:ILE:H	11	0.6
(1,2319)	2:158:B:VAL:HG23	2:270:B:ILE:H	11	0.6
(1,1140)	2:317:B:GLU:HA	2:320:B:ARG:HD3	3	0.6
(1,623)	2:236:B:LYS:HB3	2:236:B:LYS:HE2	19	0.6
(1,539)	2:217:B:VAL:HG11	2:221:B:ILE:HD11	10	0.6
(1,539)	2:217:B:VAL:HG11	2:221:B:ILE:HD12	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	2:217:B:VAL:HG11	2:221:B:ILE:HD13	10	0.6
(1,539)	2:217:B:VAL:HG12	2:221:B:ILE:HD11	10	0.6
(1,539)	2:217:B:VAL:HG12	2:221:B:ILE:HD12	10	0.6
(1,539)	2:217:B:VAL:HG12	2:221:B:ILE:HD13	10	0.6
(1,539)	2:217:B:VAL:HG13	2:221:B:ILE:HD11	10	0.6
(1,539)	2:217:B:VAL:HG13	2:221:B:ILE:HD12	10	0.6
(1,539)	2:217:B:VAL:HG13	2:221:B:ILE:HD13	10	0.6
(1,537)	2:294:B:PHE:HE1	2:221:B:ILE:HG12	3	0.6
(1,537)	2:294:B:PHE:HE2	2:221:B:ILE:HG12	3	0.6
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE2	6	0.6
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE2	6	0.6
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE2	6	0.6
(1,162)	1:213:A:LEU:HD21	2:287:B:LEU:HD21	4	0.6
(1,162)	1:213:A:LEU:HD21	2:287:B:LEU:HD22	4	0.6
(1,162)	1:213:A:LEU:HD21	2:287:B:LEU:HD23	4	0.6
(1,162)	1:213:A:LEU:HD22	2:287:B:LEU:HD21	4	0.6
(1,162)	1:213:A:LEU:HD22	2:287:B:LEU:HD22	4	0.6
(1,162)	1:213:A:LEU:HD22	2:287:B:LEU:HD23	4	0.6
(1,162)	1:213:A:LEU:HD23	2:287:B:LEU:HD21	4	0.6
(1,162)	1:213:A:LEU:HD23	2:287:B:LEU:HD22	4	0.6
(1,162)	1:213:A:LEU:HD23	2:287:B:LEU:HD23	4	0.6
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB1	1	0.59
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB2	1	0.59
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB3	1	0.59
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB1	1	0.59
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB2	1	0.59
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB3	1	0.59
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB1	1	0.59
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB2	1	0.59
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB3	1	0.59
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD21	13	0.59
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD22	13	0.59
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD23	13	0.59
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB1	7	0.59
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB2	7	0.59
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB3	7	0.59
(1,3699)	2:239:B:ARG:HB3	2:243:B:ALA:HB1	8	0.59
(1,3699)	2:239:B:ARG:HB3	2:243:B:ALA:HB2	8	0.59
(1,3699)	2:239:B:ARG:HB3	2:243:B:ALA:HB3	8	0.59
(1,3670)	2:194:B:LEU:HB2	2:191:B:ASP:HA	15	0.59
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD11	5	0.59
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD12	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD13	5	0.59
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD11	5	0.59
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD12	5	0.59
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD13	5	0.59
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD11	5	0.59
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD12	5	0.59
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD13	5	0.59
(1,3653)	2:176:B:THR:HA	2:179:B:LYS:HD3	13	0.59
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG21	14	0.59
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG22	14	0.59
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG23	14	0.59
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD21	8	0.59
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD22	8	0.59
(1,3457)	1:231:A:LEU:HB3	1:227:A:LEU:HD23	8	0.59
(1,3023)	1:220:A:ARG:HA	1:220:A:ARG:HD2	7	0.59
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	17	0.59
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG21	10	0.59
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG22	10	0.59
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG23	10	0.59
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG21	10	0.59
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG22	10	0.59
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG23	10	0.59
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE1	12	0.59
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE2	12	0.59
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE3	12	0.59
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE1	12	0.59
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE2	12	0.59
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE3	12	0.59
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE1	12	0.59
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE2	12	0.59
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE3	12	0.59
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG21	18	0.59
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG22	18	0.59
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG23	18	0.59
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG21	18	0.59
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG22	18	0.59
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG23	18	0.59
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG21	18	0.59
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG22	18	0.59
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG23	18	0.59
(1,241)	2:306:B:PHE:HE1	2:164:B:LEU:HD21	13	0.59
(1,241)	2:306:B:PHE:HE1	2:164:B:LEU:HD22	13	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	2:306:B:PHE:HE1	2:164:B:LEU:HD23	13	0.59
(1,241)	2:306:B:PHE:HE2	2:164:B:LEU:HD21	13	0.59
(1,241)	2:306:B:PHE:HE2	2:164:B:LEU:HD22	13	0.59
(1,241)	2:306:B:PHE:HE2	2:164:B:LEU:HD23	13	0.59
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD11	10	0.58
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD12	10	0.58
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD13	10	0.58
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD11	10	0.58
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD12	10	0.58
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD13	10	0.58
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	6	0.58
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	6	0.58
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	6	0.58
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	6	0.58
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	6	0.58
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	6	0.58
(1,3937)	2:237:B:PHE:HD1	2:176:B:THR:HA	17	0.58
(1,3937)	2:237:B:PHE:HD2	2:176:B:THR:HA	17	0.58
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB1	8	0.58
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB2	8	0.58
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB3	8	0.58
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB1	8	0.58
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB2	8	0.58
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB3	8	0.58
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB1	8	0.58
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB2	8	0.58
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB3	8	0.58
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD11	5	0.58
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD12	5	0.58
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD13	5	0.58
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE1	11	0.58
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE2	11	0.58
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE3	11	0.58
(1,3754)	2:252:B:ALA:HB1	2:245:B:ILE:HD11	17	0.58
(1,3754)	2:252:B:ALA:HB1	2:245:B:ILE:HD12	17	0.58
(1,3754)	2:252:B:ALA:HB1	2:245:B:ILE:HD13	17	0.58
(1,3754)	2:252:B:ALA:HB2	2:245:B:ILE:HD11	17	0.58
(1,3754)	2:252:B:ALA:HB2	2:245:B:ILE:HD12	17	0.58
(1,3754)	2:252:B:ALA:HB2	2:245:B:ILE:HD13	17	0.58
(1,3754)	2:252:B:ALA:HB3	2:245:B:ILE:HD11	17	0.58
(1,3754)	2:252:B:ALA:HB3	2:245:B:ILE:HD12	17	0.58
(1,3754)	2:252:B:ALA:HB3	2:245:B:ILE:HD13	17	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB1	11	0.58
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB2	11	0.58
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB3	11	0.58
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB1	13	0.58
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB2	13	0.58
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB3	13	0.58
(1,3662)	2:184:B:LEU:HB2	2:185:B:PRO:HA	16	0.58
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	5	0.58
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	5	0.58
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	5	0.58
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	5	0.58
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	5	0.58
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	5	0.58
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	5	0.58
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	5	0.58
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	5	0.58
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	17	0.58
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	17	0.58
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	17	0.58
(1,3550)	1:234:A:THR:HA	1:233:A:CYS:HB3	15	0.58
(1,3067)	1:202:A:VAL:HG11	1:203:A:GLN:HG3	8	0.58
(1,3067)	1:202:A:VAL:HG12	1:203:A:GLN:HG3	8	0.58
(1,3067)	1:202:A:VAL:HG13	1:203:A:GLN:HG3	8	0.58
(1,2744)	1:234:A:THR:HB	1:224:A:GLN:HE21	6	0.58
(1,1581)	2:159:B:LYS:HB3	2:160:B:ILE:H	14	0.58
(1,1548)	2:155:B:GLU:HG2	2:155:B:GLU:H	1	0.58
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD21	3	0.58
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD22	3	0.58
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD23	3	0.58
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	1	0.58
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	1	0.58
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	1	0.58
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	1	0.58
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	1	0.58
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	1	0.58
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG11	8	0.58
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG12	8	0.58
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG13	8	0.58
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG11	14	0.58
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG12	14	0.58
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG13	14	0.58
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG11	14	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG12	14	0.58
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG13	14	0.58
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG11	14	0.58
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG12	14	0.58
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG13	14	0.58
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE2	1	0.58
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE2	1	0.58
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE2	1	0.58
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD11	3	0.58
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD12	3	0.58
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD13	3	0.58
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD11	3	0.58
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD12	3	0.58
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD13	3	0.58
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD11	3	0.58
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD12	3	0.58
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD13	3	0.58
(1,12)	1:231:A:LEU:HB2	2:169:B:VAL:HG21	15	0.58
(1,12)	1:231:A:LEU:HB2	2:169:B:VAL:HG22	15	0.58
(1,12)	1:231:A:LEU:HB2	2:169:B:VAL:HG23	15	0.58
(1,3984)	2:292:B:HIS:HE1	2:288:B:LEU:HD21	16	0.57
(1,3984)	2:292:B:HIS:HE1	2:288:B:LEU:HD22	16	0.57
(1,3984)	2:292:B:HIS:HE1	2:288:B:LEU:HD23	16	0.57
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	15	0.57
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	15	0.57
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	15	0.57
(1,3866)	2:210:B:LYS:HA	1:203:A:GLN:HG3	2	0.57
(1,3821)	2:291:B:LEU:HD11	2:287:B:LEU:HD21	12	0.57
(1,3821)	2:291:B:LEU:HD11	2:287:B:LEU:HD22	12	0.57
(1,3821)	2:291:B:LEU:HD11	2:287:B:LEU:HD23	12	0.57
(1,3821)	2:291:B:LEU:HD12	2:287:B:LEU:HD21	12	0.57
(1,3821)	2:291:B:LEU:HD12	2:287:B:LEU:HD22	12	0.57
(1,3821)	2:291:B:LEU:HD12	2:287:B:LEU:HD23	12	0.57
(1,3821)	2:291:B:LEU:HD13	2:287:B:LEU:HD21	12	0.57
(1,3821)	2:291:B:LEU:HD13	2:287:B:LEU:HD22	12	0.57
(1,3821)	2:291:B:LEU:HD13	2:287:B:LEU:HD23	12	0.57
(1,3695)	2:219:B:ALA:HA	2:194:B:LEU:HD11	10	0.57
(1,3695)	2:219:B:ALA:HA	2:194:B:LEU:HD12	10	0.57
(1,3695)	2:219:B:ALA:HA	2:194:B:LEU:HD13	10	0.57
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	20	0.57
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	20	0.57
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3659)	2:185:B:PRO:HA	2:184:B:LEU:HD11	20	0.57
(1,3659)	2:185:B:PRO:HA	2:184:B:LEU:HD12	20	0.57
(1,3659)	2:185:B:PRO:HA	2:184:B:LEU:HD13	20	0.57
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	1	0.57
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	1	0.57
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	1	0.57
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	1	0.57
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	1	0.57
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	1	0.57
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	1	0.57
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	1	0.57
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	1	0.57
(1,3602)	1:206:A:LEU:HD21	2:274:B:LEU:HD11	4	0.57
(1,3602)	1:206:A:LEU:HD21	2:274:B:LEU:HD12	4	0.57
(1,3602)	1:206:A:LEU:HD21	2:274:B:LEU:HD13	4	0.57
(1,3602)	1:206:A:LEU:HD22	2:274:B:LEU:HD11	4	0.57
(1,3602)	1:206:A:LEU:HD22	2:274:B:LEU:HD12	4	0.57
(1,3602)	1:206:A:LEU:HD22	2:274:B:LEU:HD13	4	0.57
(1,3602)	1:206:A:LEU:HD23	2:274:B:LEU:HD11	4	0.57
(1,3602)	1:206:A:LEU:HD23	2:274:B:LEU:HD12	4	0.57
(1,3602)	1:206:A:LEU:HD23	2:274:B:LEU:HD13	4	0.57
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	18	0.57
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	18	0.57
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	18	0.57
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	18	0.57
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	18	0.57
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	18	0.57
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	18	0.57
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	18	0.57
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	18	0.57
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG21	15	0.57
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG22	15	0.57
(1,3545)	1:229:A:ASN:HB3	1:232:A:THR:HG23	15	0.57
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG21	16	0.57
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG22	16	0.57
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG23	16	0.57
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	3	0.57
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	3	0.57
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	3	0.57
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	10	0.57
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	10	0.57
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	11	0.57
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	11	0.57
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	11	0.57
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	11	0.57
(1,2439)	2:279:B:LEU:HD21	2:284:B:LEU:H	5	0.57
(1,2439)	2:279:B:LEU:HD22	2:284:B:LEU:H	5	0.57
(1,2439)	2:279:B:LEU:HD23	2:284:B:LEU:H	5	0.57
(1,1581)	2:159:B:LYS:HB2	2:160:B:ILE:H	17	0.57
(1,1320)	2:236:B:LYS:HB3	1:224:A:GLN:HG2	19	0.57
(1,1140)	2:317:B:GLU:HA	2:320:B:ARG:HD2	1	0.57
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD11	11	0.57
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD12	11	0.57
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD13	11	0.57
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD11	1	0.57
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD12	1	0.57
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD13	1	0.57
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD11	11	0.57
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD12	11	0.57
(1,801)	2:221:B:ILE:HA	2:266:B:LEU:HD13	11	0.57
(1,696)	2:246:B:LEU:HA	2:246:B:LEU:HD11	7	0.57
(1,696)	2:246:B:LEU:HA	2:246:B:LEU:HD12	7	0.57
(1,696)	2:246:B:LEU:HA	2:246:B:LEU:HD13	7	0.57
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD21	15	0.57
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD22	15	0.57
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD23	15	0.57
(1,3937)	2:237:B:PHE:HD1	2:176:B:THR:HA	19	0.56
(1,3937)	2:237:B:PHE:HD2	2:176:B:THR:HA	19	0.56
(1,3703)	2:204:B:ARG:HG2	2:201:B:ARG:HA	1	0.56
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	13	0.56
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	13	0.56
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	13	0.56
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	13	0.56
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	13	0.56
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	13	0.56
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	13	0.56
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	13	0.56
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	13	0.56
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	19	0.56
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	19	0.56
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	19	0.56
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	19	0.56
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	19	0.56
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	19	0.56
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	19	0.56
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	19	0.56
(1,3503)	1:231:A:LEU:HD21	1:230:A:GLU:HG3	7	0.56
(1,3503)	1:231:A:LEU:HD22	1:230:A:GLU:HG3	7	0.56
(1,3503)	1:231:A:LEU:HD23	1:230:A:GLU:HG3	7	0.56
(1,3066)	1:204:A:PRO:HD2	1:203:A:GLN:HB2	16	0.56
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	19	0.56
(1,1729)	2:313:B:VAL:HG11	2:180:B:GLN:H	15	0.56
(1,1729)	2:313:B:VAL:HG12	2:180:B:GLN:H	15	0.56
(1,1729)	2:313:B:VAL:HG13	2:180:B:GLN:H	15	0.56
(1,1548)	2:155:B:GLU:HG3	2:155:B:GLU:H	10	0.56
(1,1548)	2:155:B:GLU:HG2	2:155:B:GLU:H	11	0.56
(1,1322)	2:236:B:LYS:HD3	1:224:A:GLN:HG2	7	0.56
(1,1304)	2:231:B:THR:HG21	1:222:A:PRO:HB3	5	0.56
(1,1304)	2:231:B:THR:HG22	1:222:A:PRO:HB3	5	0.56
(1,1304)	2:231:B:THR:HG23	1:222:A:PRO:HB3	5	0.56
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	13	0.56
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	13	0.56
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	13	0.56
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	13	0.56
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	13	0.56
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	13	0.56
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	2	0.56
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	2	0.56
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	2	0.56
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	2	0.56
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	2	0.56
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	2	0.56
(1,759)	2:253:B:PRO:HG2	2:256:B:GLN:HG3	19	0.56
(1,528)	2:194:B:LEU:HD11	2:218:B:VAL:HG21	5	0.56
(1,528)	2:194:B:LEU:HD11	2:218:B:VAL:HG22	5	0.56
(1,528)	2:194:B:LEU:HD11	2:218:B:VAL:HG23	5	0.56
(1,528)	2:194:B:LEU:HD12	2:218:B:VAL:HG21	5	0.56
(1,528)	2:194:B:LEU:HD12	2:218:B:VAL:HG22	5	0.56
(1,528)	2:194:B:LEU:HD12	2:218:B:VAL:HG23	5	0.56
(1,528)	2:194:B:LEU:HD13	2:218:B:VAL:HG21	5	0.56
(1,528)	2:194:B:LEU:HD13	2:218:B:VAL:HG22	5	0.56
(1,528)	2:194:B:LEU:HD13	2:218:B:VAL:HG23	5	0.56
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD11	2	0.55
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD12	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD13	2	0.55
(1,3939)	2:237:B:PHE:HE1	2:175:B:ILE:HG21	14	0.55
(1,3939)	2:237:B:PHE:HE1	2:175:B:ILE:HG22	14	0.55
(1,3939)	2:237:B:PHE:HE1	2:175:B:ILE:HG23	14	0.55
(1,3939)	2:237:B:PHE:HE2	2:175:B:ILE:HG21	14	0.55
(1,3939)	2:237:B:PHE:HE2	2:175:B:ILE:HG22	14	0.55
(1,3939)	2:237:B:PHE:HE2	2:175:B:ILE:HG23	14	0.55
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD11	7	0.55
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD12	7	0.55
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD13	7	0.55
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB1	10	0.55
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB2	10	0.55
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB3	10	0.55
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB1	10	0.55
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB2	10	0.55
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB3	10	0.55
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB1	10	0.55
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB2	10	0.55
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB3	10	0.55
(1,3866)	2:210:B:LYS:HA	1:203:A:GLN:HG3	3	0.55
(1,3821)	2:291:B:LEU:HD11	2:287:B:LEU:HD21	15	0.55
(1,3821)	2:291:B:LEU:HD11	2:287:B:LEU:HD22	15	0.55
(1,3821)	2:291:B:LEU:HD11	2:287:B:LEU:HD23	15	0.55
(1,3821)	2:291:B:LEU:HD12	2:287:B:LEU:HD21	15	0.55
(1,3821)	2:291:B:LEU:HD12	2:287:B:LEU:HD22	15	0.55
(1,3821)	2:291:B:LEU:HD12	2:287:B:LEU:HD23	15	0.55
(1,3821)	2:291:B:LEU:HD13	2:287:B:LEU:HD21	15	0.55
(1,3821)	2:291:B:LEU:HD13	2:287:B:LEU:HD22	15	0.55
(1,3821)	2:291:B:LEU:HD13	2:287:B:LEU:HD23	15	0.55
(1,3597)	1:217:A:ALA:HA	2:227:B:VAL:HG21	14	0.55
(1,3597)	1:217:A:ALA:HA	2:227:B:VAL:HG22	14	0.55
(1,3597)	1:217:A:ALA:HA	2:227:B:VAL:HG23	14	0.55
(1,3456)	1:231:A:LEU:HB2	1:227:A:LEU:HD21	5	0.55
(1,3456)	1:231:A:LEU:HB2	1:227:A:LEU:HD22	5	0.55
(1,3456)	1:231:A:LEU:HB2	1:227:A:LEU:HD23	5	0.55
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	12	0.55
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	12	0.55
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	12	0.55
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	14	0.55
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	14	0.55
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	14	0.55
(1,3215)	1:205:A:GLN:HG2	1:206:A:LEU:HD21	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3215)	1:205:A:GLN:HG2	1:206:A:LEU:HD22	8	0.55
(1,3215)	1:205:A:GLN:HG2	1:206:A:LEU:HD23	8	0.55
(1,3020)	1:209:A:PRO:HD2	1:208:A:ARG:HG3	15	0.55
(1,2439)	2:279:B:LEU:HD21	2:284:B:LEU:H	7	0.55
(1,2439)	2:279:B:LEU:HD22	2:284:B:LEU:H	7	0.55
(1,2439)	2:279:B:LEU:HD23	2:284:B:LEU:H	7	0.55
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG11	13	0.55
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG12	13	0.55
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG13	13	0.55
(1,376)	2:187:B:LYS:HB3	2:187:B:LYS:HE3	14	0.55
(1,326)	2:184:B:LEU:HD11	2:257:B:VAL:HB	6	0.55
(1,326)	2:184:B:LEU:HD12	2:257:B:VAL:HB	6	0.55
(1,326)	2:184:B:LEU:HD13	2:257:B:VAL:HB	6	0.55
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG11	6	0.54
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG12	6	0.54
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG13	6	0.54
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG11	6	0.54
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG12	6	0.54
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG13	6	0.54
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	2	0.54
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	2	0.54
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	2	0.54
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD21	13	0.54
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD22	13	0.54
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD23	13	0.54
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD21	13	0.54
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD22	13	0.54
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD23	13	0.54
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD21	13	0.54
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD22	13	0.54
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD23	13	0.54
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD21	3	0.54
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD22	3	0.54
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD23	3	0.54
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB1	14	0.54
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB2	14	0.54
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB3	14	0.54
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB1	14	0.54
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB2	14	0.54
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB3	14	0.54
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB1	14	0.54
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB2	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB3	14	0.54
(1,3703)	2:204:B:ARG:HG2	2:201:B:ARG:HA	18	0.54
(1,3670)	2:194:B:LEU:HB2	2:191:B:ASP:HA	3	0.54
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD11	9	0.54
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD12	9	0.54
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD13	9	0.54
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	3	0.54
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	3	0.54
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	3	0.54
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	3	0.54
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	3	0.54
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	3	0.54
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	3	0.54
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	3	0.54
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	3	0.54
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	10	0.54
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	10	0.54
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	10	0.54
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	10	0.54
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	10	0.54
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	10	0.54
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	10	0.54
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	10	0.54
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	10	0.54
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	7	0.54
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	7	0.54
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	7	0.54
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	9	0.54
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	9	0.54
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	9	0.54
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG21	9	0.54
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG22	9	0.54
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG23	9	0.54
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	13	0.54
(1,2718)	2:320:B:ARG:HB2	2:320:B:ARG:H	12	0.54
(1,1322)	2:236:B:LYS:HD2	1:224:A:GLN:HG2	12	0.54
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD11	18	0.54
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD12	18	0.54
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD13	18	0.54
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD11	18	0.54
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD12	18	0.54
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD13	18	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD11	18	0.54
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD12	18	0.54
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD13	18	0.54
(1,376)	2:187:B:LYS:HB3	2:187:B:LYS:HE3	2	0.54
(1,162)	1:213:A:LEU:HD21	2:287:B:LEU:HD21	2	0.54
(1,162)	1:213:A:LEU:HD21	2:287:B:LEU:HD22	2	0.54
(1,162)	1:213:A:LEU:HD21	2:287:B:LEU:HD23	2	0.54
(1,162)	1:213:A:LEU:HD22	2:287:B:LEU:HD21	2	0.54
(1,162)	1:213:A:LEU:HD22	2:287:B:LEU:HD22	2	0.54
(1,162)	1:213:A:LEU:HD22	2:287:B:LEU:HD23	2	0.54
(1,162)	1:213:A:LEU:HD23	2:287:B:LEU:HD21	2	0.54
(1,162)	1:213:A:LEU:HD23	2:287:B:LEU:HD22	2	0.54
(1,162)	1:213:A:LEU:HD23	2:287:B:LEU:HD23	2	0.54
(1,79)	1:227:A:LEU:HA	2:268:B:VAL:HG21	5	0.54
(1,79)	1:227:A:LEU:HA	2:268:B:VAL:HG22	5	0.54
(1,79)	1:227:A:LEU:HA	2:268:B:VAL:HG23	5	0.54
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG21	4	0.54
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG22	4	0.54
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG23	4	0.54
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG21	4	0.54
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG22	4	0.54
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG23	4	0.54
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG21	4	0.54
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG22	4	0.54
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG23	4	0.54
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG11	14	0.53
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG12	14	0.53
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG13	14	0.53
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG11	14	0.53
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG12	14	0.53
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG13	14	0.53
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	3	0.53
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	3	0.53
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	3	0.53
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	3	0.53
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	3	0.53
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	3	0.53
(1,3790)	2:266:B:LEU:HD11	2:273:B:MET:HE1	6	0.53
(1,3790)	2:266:B:LEU:HD11	2:273:B:MET:HE2	6	0.53
(1,3790)	2:266:B:LEU:HD11	2:273:B:MET:HE3	6	0.53
(1,3790)	2:266:B:LEU:HD12	2:273:B:MET:HE1	6	0.53
(1,3790)	2:266:B:LEU:HD12	2:273:B:MET:HE2	6	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3790)	2:266:B:LEU:HD12	2:273:B:MET:HE3	6	0.53
(1,3790)	2:266:B:LEU:HD13	2:273:B:MET:HE1	6	0.53
(1,3790)	2:266:B:LEU:HD13	2:273:B:MET:HE2	6	0.53
(1,3790)	2:266:B:LEU:HD13	2:273:B:MET:HE3	6	0.53
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE1	19	0.53
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE2	19	0.53
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE3	19	0.53
(1,3684)	2:193:B:ILE:HB	2:190:B:VAL:HG11	14	0.53
(1,3684)	2:193:B:ILE:HB	2:190:B:VAL:HG12	14	0.53
(1,3684)	2:193:B:ILE:HB	2:190:B:VAL:HG13	14	0.53
(1,3681)	2:305:B:LEU:HD11	2:188:B:LYS:HE3	10	0.53
(1,3681)	2:305:B:LEU:HD12	2:188:B:LYS:HE3	10	0.53
(1,3681)	2:305:B:LEU:HD13	2:188:B:LYS:HE3	10	0.53
(1,3665)	2:174:B:LEU:HB2	2:178:B:GLN:HG3	6	0.53
(1,3653)	2:176:B:THR:HA	2:179:B:LYS:HD3	5	0.53
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	20	0.53
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	20	0.53
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	20	0.53
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	20	0.53
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	20	0.53
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	20	0.53
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	20	0.53
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	20	0.53
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	20	0.53
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	17	0.53
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	17	0.53
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	17	0.53
(1,2767)	1:203:A:GLN:HG3	1:203:A:GLN:H	18	0.53
(1,2718)	2:320:B:ARG:HB2	2:320:B:ARG:H	15	0.53
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	13	0.53
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	13	0.53
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	13	0.53
(1,1322)	2:236:B:LYS:HD2	1:224:A:GLN:HG2	3	0.53
(1,1322)	2:236:B:LYS:HD2	1:224:A:GLN:HG2	5	0.53
(1,1141)	2:320:B:ARG:HA	2:320:B:ARG:HD2	15	0.53
(1,981)	2:285:B:ALA:HA	2:288:B:LEU:HD11	16	0.53
(1,981)	2:285:B:ALA:HA	2:288:B:LEU:HD12	16	0.53
(1,981)	2:285:B:ALA:HA	2:288:B:LEU:HD13	16	0.53
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD21	10	0.53
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD22	10	0.53
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD23	10	0.53
(1,696)	2:246:B:LEU:HA	2:246:B:LEU:HD11	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	2:246:B:LEU:HA	2:246:B:LEU:HD12	9	0.53
(1,696)	2:246:B:LEU:HA	2:246:B:LEU:HD13	9	0.53
(1,376)	2:187:B:LYS:HB3	2:187:B:LYS:HE3	4	0.53
(1,325)	2:319:B:HIS:HE1	2:179:B:LYS:HE3	15	0.53
(1,215)	2:292:B:HIS:HE1	2:159:B:LYS:HE2	11	0.53
(1,197)	2:270:B:ILE:HG21	2:158:B:VAL:HG21	6	0.53
(1,197)	2:270:B:ILE:HG21	2:158:B:VAL:HG22	6	0.53
(1,197)	2:270:B:ILE:HG21	2:158:B:VAL:HG23	6	0.53
(1,197)	2:270:B:ILE:HG22	2:158:B:VAL:HG21	6	0.53
(1,197)	2:270:B:ILE:HG22	2:158:B:VAL:HG22	6	0.53
(1,197)	2:270:B:ILE:HG22	2:158:B:VAL:HG23	6	0.53
(1,197)	2:270:B:ILE:HG23	2:158:B:VAL:HG21	6	0.53
(1,197)	2:270:B:ILE:HG23	2:158:B:VAL:HG22	6	0.53
(1,197)	2:270:B:ILE:HG23	2:158:B:VAL:HG23	6	0.53
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	10	0.52
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	10	0.52
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	10	0.52
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE1	14	0.52
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE2	14	0.52
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE3	14	0.52
(1,3692)	2:305:B:LEU:HB2	2:193:B:ILE:HD11	8	0.52
(1,3692)	2:305:B:LEU:HB2	2:193:B:ILE:HD12	8	0.52
(1,3692)	2:305:B:LEU:HB2	2:193:B:ILE:HD13	8	0.52
(1,3688)	2:221:B:ILE:HG21	2:190:B:VAL:HG21	4	0.52
(1,3688)	2:221:B:ILE:HG21	2:190:B:VAL:HG22	4	0.52
(1,3688)	2:221:B:ILE:HG21	2:190:B:VAL:HG23	4	0.52
(1,3688)	2:221:B:ILE:HG22	2:190:B:VAL:HG21	4	0.52
(1,3688)	2:221:B:ILE:HG22	2:190:B:VAL:HG22	4	0.52
(1,3688)	2:221:B:ILE:HG22	2:190:B:VAL:HG23	4	0.52
(1,3688)	2:221:B:ILE:HG23	2:190:B:VAL:HG21	4	0.52
(1,3688)	2:221:B:ILE:HG23	2:190:B:VAL:HG22	4	0.52
(1,3688)	2:221:B:ILE:HG23	2:190:B:VAL:HG23	4	0.52
(1,3681)	2:193:B:ILE:HD11	2:188:B:LYS:HE3	15	0.52
(1,3681)	2:193:B:ILE:HD12	2:188:B:LYS:HE3	15	0.52
(1,3681)	2:193:B:ILE:HD13	2:188:B:LYS:HE3	15	0.52
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	12	0.52
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	12	0.52
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	12	0.52
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	15	0.52
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	15	0.52
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	15	0.52
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD21	16	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD22	16	0.52
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD23	16	0.52
(1,2449)	2:257:B:VAL:HG11	2:256:B:GLN:H	8	0.52
(1,2449)	2:257:B:VAL:HG12	2:256:B:GLN:H	8	0.52
(1,2449)	2:257:B:VAL:HG13	2:256:B:GLN:H	8	0.52
(1,1728)	2:180:B:GLN:HG3	2:180:B:GLN:H	11	0.52
(1,1554)	2:155:B:GLU:HG3	2:156:B:VAL:H	8	0.52
(1,1339)	2:165:B:LYS:HG3	1:231:A:LEU:HD11	8	0.52
(1,1339)	2:165:B:LYS:HG3	1:231:A:LEU:HD12	8	0.52
(1,1339)	2:165:B:LYS:HG3	1:231:A:LEU:HD13	8	0.52
(1,1313)	2:235:B:TYR:HE1	1:224:A:GLN:HG3	17	0.52
(1,1313)	2:235:B:TYR:HE2	1:224:A:GLN:HG3	17	0.52
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	10	0.52
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	10	0.52
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	10	0.52
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	10	0.52
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	10	0.52
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	10	0.52
(1,496)	2:210:B:LYS:HD2	2:210:B:LYS:HA	10	0.52
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE2	10	0.52
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE2	10	0.52
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE2	10	0.52
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD11	20	0.52
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD12	20	0.52
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD13	20	0.52
(1,325)	2:319:B:HIS:HE1	2:179:B:LYS:HE2	8	0.52
(1,314)	2:179:B:LYS:HG3	2:179:B:LYS:HD2	3	0.52
(1,314)	2:179:B:LYS:HG3	2:179:B:LYS:HD2	7	0.52
(1,314)	2:179:B:LYS:HG3	2:179:B:LYS:HD2	14	0.52
(1,314)	2:179:B:LYS:HG3	2:179:B:LYS:HD2	19	0.52
(1,3976)	2:267:B:PHE:HZ	2:221:B:ILE:HG21	12	0.51
(1,3976)	2:267:B:PHE:HZ	2:221:B:ILE:HG22	12	0.51
(1,3976)	2:267:B:PHE:HZ	2:221:B:ILE:HG23	12	0.51
(1,3895)	2:236:B:LYS:HE3	1:224:A:GLN:HB2	11	0.51
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD21	4	0.51
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD22	4	0.51
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD23	4	0.51
(1,3681)	2:193:B:ILE:HD11	2:188:B:LYS:HE3	1	0.51
(1,3681)	2:193:B:ILE:HD12	2:188:B:LYS:HE3	1	0.51
(1,3681)	2:193:B:ILE:HD13	2:188:B:LYS:HE3	1	0.51
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG11	10	0.51
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG12	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG13	10	0.51
(1,3525)	1:228:A:PRO:HG3	1:231:A:LEU:HD11	13	0.51
(1,3525)	1:228:A:PRO:HG3	1:231:A:LEU:HD12	13	0.51
(1,3525)	1:228:A:PRO:HG3	1:231:A:LEU:HD13	13	0.51
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	13	0.51
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	13	0.51
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	13	0.51
(1,3000)	1:211:A:GLU:HB3	1:208:A:ARG:HD2	11	0.51
(1,2891)	1:220:A:ARG:HG2	1:220:A:ARG:H	7	0.51
(1,2767)	1:203:A:GLN:HG3	1:203:A:GLN:H	14	0.51
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	1	0.51
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	14	0.51
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	14	0.51
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	14	0.51
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	15	0.51
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	15	0.51
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	15	0.51
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD11	1	0.51
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD12	1	0.51
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD13	1	0.51
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD11	1	0.51
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD12	1	0.51
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD13	1	0.51
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD11	1	0.51
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD12	1	0.51
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD13	1	0.51
(1,1321)	2:236:B:LYS:HB2	1:224:A:GLN:HG2	18	0.51
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD21	13	0.51
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD22	13	0.51
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD23	13	0.51
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD21	13	0.51
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD22	13	0.51
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD23	13	0.51
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD21	13	0.51
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD22	13	0.51
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD23	13	0.51
(1,1140)	2:317:B:GLU:HA	2:320:B:ARG:HD3	20	0.51
(1,929)	2:282:B:LYS:HB3	2:282:B:LYS:HG2	8	0.51
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD21	13	0.51
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD22	13	0.51
(1,812)	2:228:B:MET:HB3	2:266:B:LEU:HD23	13	0.51
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	8	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	8	0.51
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	8	0.51
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	8	0.51
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	8	0.51
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	8	0.51
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD11	5	0.51
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD12	5	0.51
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD13	5	0.51
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD11	5	0.51
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD12	5	0.51
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD13	5	0.51
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD11	5	0.51
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD12	5	0.51
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD13	5	0.51
(1,696)	2:246:B:LEU:HA	2:246:B:LEU:HD11	16	0.51
(1,696)	2:246:B:LEU:HA	2:246:B:LEU:HD12	16	0.51
(1,696)	2:246:B:LEU:HA	2:246:B:LEU:HD13	16	0.51
(1,609)	2:269:B:ARG:HG2	2:233:B:LEU:HD21	20	0.51
(1,609)	2:269:B:ARG:HG2	2:233:B:LEU:HD22	20	0.51
(1,609)	2:269:B:ARG:HG2	2:233:B:LEU:HD23	20	0.51
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE1	4	0.51
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE2	4	0.51
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE3	4	0.51
(1,325)	2:319:B:HIS:HE1	2:179:B:LYS:HE3	17	0.51
(1,314)	2:179:B:LYS:HG3	2:179:B:LYS:HD2	6	0.51
(1,314)	2:179:B:LYS:HG3	2:179:B:LYS:HD2	9	0.51
(1,215)	2:292:B:HIS:HE1	2:159:B:LYS:HE2	7	0.51
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	10	0.5
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	10	0.5
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	10	0.5
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD21	14	0.5
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD22	14	0.5
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD23	14	0.5
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB1	17	0.5
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB2	17	0.5
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB3	17	0.5
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	18	0.5
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	18	0.5
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	18	0.5
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD21	2	0.5
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD22	2	0.5
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD23	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3070)	1:202:A:VAL:HA	1:203:A:GLN:HG2	17	0.5
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG21	14	0.5
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG22	14	0.5
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG23	14	0.5
(1,2999)	1:211:A:GLU:HG2	1:207:A:ARG:HD3	5	0.5
(1,1991)	2:194:B:LEU:HD11	2:222:B:LYS:H	19	0.5
(1,1991)	2:194:B:LEU:HD12	2:222:B:LYS:H	19	0.5
(1,1991)	2:194:B:LEU:HD13	2:222:B:LYS:H	19	0.5
(1,1553)	2:274:B:LEU:HB2	2:156:B:VAL:H	1	0.5
(1,1322)	2:236:B:LYS:HD2	1:224:A:GLN:HG2	1	0.5
(1,1322)	2:236:B:LYS:HD2	1:224:A:GLN:HG2	4	0.5
(1,1322)	2:236:B:LYS:HD2	1:224:A:GLN:HG2	19	0.5
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG21	10	0.5
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG22	10	0.5
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG23	10	0.5
(1,1140)	2:317:B:GLU:HA	2:320:B:ARG:HD3	13	0.5
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD21	6	0.5
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD22	6	0.5
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD23	6	0.5
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD3	1	0.5
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE1	8	0.5
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE2	8	0.5
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE3	8	0.5
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE1	8	0.5
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE2	8	0.5
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE3	8	0.5
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE1	8	0.5
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE2	8	0.5
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE3	8	0.5
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE1	20	0.5
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE2	20	0.5
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE3	20	0.5
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE1	20	0.5
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE2	20	0.5
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE3	20	0.5
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE1	20	0.5
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE2	20	0.5
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE3	20	0.5
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB1	8	0.5
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB2	8	0.5
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB3	8	0.5
(1,314)	2:179:B:LYS:HG3	2:179:B:LYS:HD2	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD11	19	0.49
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD12	19	0.49
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD13	19	0.49
(1,3894)	2:236:B:LYS:HG2	1:224:A:GLN:HG2	15	0.49
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	3	0.49
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	3	0.49
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	3	0.49
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	20	0.49
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	20	0.49
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	20	0.49
(1,3866)	2:210:B:LYS:HA	1:203:A:GLN:HG2	10	0.49
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG11	15	0.49
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG12	15	0.49
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG13	15	0.49
(1,3821)	2:291:B:LEU:HD11	2:287:B:LEU:HD21	17	0.49
(1,3821)	2:291:B:LEU:HD11	2:287:B:LEU:HD22	17	0.49
(1,3821)	2:291:B:LEU:HD11	2:287:B:LEU:HD23	17	0.49
(1,3821)	2:291:B:LEU:HD12	2:287:B:LEU:HD21	17	0.49
(1,3821)	2:291:B:LEU:HD12	2:287:B:LEU:HD22	17	0.49
(1,3821)	2:291:B:LEU:HD12	2:287:B:LEU:HD23	17	0.49
(1,3821)	2:291:B:LEU:HD13	2:287:B:LEU:HD21	17	0.49
(1,3821)	2:291:B:LEU:HD13	2:287:B:LEU:HD22	17	0.49
(1,3821)	2:291:B:LEU:HD13	2:287:B:LEU:HD23	17	0.49
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	3	0.49
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	3	0.49
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	3	0.49
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	6	0.49
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	6	0.49
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	6	0.49
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	6	0.49
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	6	0.49
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	6	0.49
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	6	0.49
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	6	0.49
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	6	0.49
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD21	15	0.49
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD22	15	0.49
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD23	15	0.49
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	6	0.49
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	6	0.49
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	6	0.49
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD21	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD22	11	0.49
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD23	11	0.49
(1,3086)	1:231:A:LEU:HB3	1:228:A:PRO:HD3	4	0.49
(1,2762)	1:203:A:GLN:HB2	1:203:A:GLN:H	17	0.49
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	10	0.49
(1,2718)	2:320:B:ARG:HB2	2:320:B:ARG:H	8	0.49
(1,2647)	2:307:B:SER:HB3	2:309:B:SER:H	11	0.49
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	4	0.49
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	4	0.49
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	4	0.49
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	9	0.49
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	9	0.49
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	9	0.49
(1,2255)	2:256:B:GLN:HG2	2:256:B:GLN:H	20	0.49
(1,1991)	2:194:B:LEU:HD11	2:222:B:LYS:H	15	0.49
(1,1991)	2:194:B:LEU:HD12	2:222:B:LYS:H	15	0.49
(1,1991)	2:194:B:LEU:HD13	2:222:B:LYS:H	15	0.49
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD21	11	0.49
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD22	11	0.49
(1,1190)	1:210:A:PHE:HD1	1:213:A:LEU:HD23	11	0.49
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD21	11	0.49
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD22	11	0.49
(1,1190)	1:210:A:PHE:HD2	1:213:A:LEU:HD23	11	0.49
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD3	4	0.49
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD21	13	0.49
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD22	13	0.49
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD23	13	0.49
(1,3822)	2:156:B:VAL:HG11	2:287:B:LEU:HD21	1	0.48
(1,3822)	2:156:B:VAL:HG11	2:287:B:LEU:HD22	1	0.48
(1,3822)	2:156:B:VAL:HG11	2:287:B:LEU:HD23	1	0.48
(1,3822)	2:156:B:VAL:HG12	2:287:B:LEU:HD21	1	0.48
(1,3822)	2:156:B:VAL:HG12	2:287:B:LEU:HD22	1	0.48
(1,3822)	2:156:B:VAL:HG12	2:287:B:LEU:HD23	1	0.48
(1,3822)	2:156:B:VAL:HG13	2:287:B:LEU:HD21	1	0.48
(1,3822)	2:156:B:VAL:HG13	2:287:B:LEU:HD22	1	0.48
(1,3822)	2:156:B:VAL:HG13	2:287:B:LEU:HD23	1	0.48
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB1	6	0.48
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB2	6	0.48
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB3	6	0.48
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB1	6	0.48
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB2	6	0.48
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB3	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB1	6	0.48
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB2	6	0.48
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB3	6	0.48
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB1	13	0.48
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB2	13	0.48
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB3	13	0.48
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB1	19	0.48
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB2	19	0.48
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB3	19	0.48
(1,3762)	2:256:B:GLN:HB2	2:252:B:ALA:HB1	13	0.48
(1,3762)	2:256:B:GLN:HB2	2:252:B:ALA:HB2	13	0.48
(1,3762)	2:256:B:GLN:HB2	2:252:B:ALA:HB3	13	0.48
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD21	12	0.48
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD22	12	0.48
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD23	12	0.48
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG21	13	0.48
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG22	13	0.48
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG23	13	0.48
(1,3634)	2:292:B:HIS:HD2	2:158:B:VAL:HG11	8	0.48
(1,3634)	2:292:B:HIS:HD2	2:158:B:VAL:HG12	8	0.48
(1,3634)	2:292:B:HIS:HD2	2:158:B:VAL:HG13	8	0.48
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB1	20	0.48
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB2	20	0.48
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB3	20	0.48
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG21	5	0.48
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG22	5	0.48
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG23	5	0.48
(1,3011)	1:211:A:GLU:HG3	1:207:A:ARG:HG3	18	0.48
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	6	0.48
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	6	0.48
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	6	0.48
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	19	0.48
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	19	0.48
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	19	0.48
(1,2255)	2:256:B:GLN:HG2	2:256:B:GLN:H	16	0.48
(1,1712)	2:174:B:LEU:HD11	2:180:B:GLN:HE21	10	0.48
(1,1712)	2:174:B:LEU:HD12	2:180:B:GLN:HE21	10	0.48
(1,1712)	2:174:B:LEU:HD13	2:180:B:GLN:HE21	10	0.48
(1,1534)	2:221:B:ILE:HG12	2:221:B:ILE:H	4	0.48
(1,1534)	2:221:B:ILE:HG12	2:221:B:ILE:H	10	0.48
(1,1207)	2:286:B:LEU:HD11	1:203:A:GLN:HG3	1	0.48
(1,1207)	2:286:B:LEU:HD12	1:203:A:GLN:HG3	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1207)	2:286:B:LEU:HD13	1:203:A:GLN:HG3	1	0.48
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD3	16	0.48
(1,623)	2:236:B:LYS:HB3	2:236:B:LYS:HE2	13	0.48
(1,337)	2:241:B:GLN:HG3	2:181:B:LEU:HD21	5	0.48
(1,337)	2:241:B:GLN:HG3	2:181:B:LEU:HD22	5	0.48
(1,337)	2:241:B:GLN:HG3	2:181:B:LEU:HD23	5	0.48
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG11	15	0.48
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG12	15	0.48
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG13	15	0.48
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD11	1	0.48
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD12	1	0.48
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD13	1	0.48
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD11	8	0.47
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD12	8	0.47
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD13	8	0.47
(1,3913)	2:212:B:TYR:HD1	2:209:B:ASN:HB2	5	0.47
(1,3913)	2:212:B:TYR:HD2	2:209:B:ASN:HB2	5	0.47
(1,3909)	2:168:B:LEU:HA	1:231:A:LEU:HD11	15	0.47
(1,3909)	2:168:B:LEU:HA	1:231:A:LEU:HD12	15	0.47
(1,3909)	2:168:B:LEU:HA	1:231:A:LEU:HD13	15	0.47
(1,3866)	2:210:B:LYS:HA	1:203:A:GLN:HG3	20	0.47
(1,3845)	2:241:B:GLN:HG2	2:257:B:VAL:HG21	8	0.47
(1,3845)	2:241:B:GLN:HG2	2:257:B:VAL:HG22	8	0.47
(1,3845)	2:241:B:GLN:HG2	2:257:B:VAL:HG23	8	0.47
(1,3762)	2:256:B:GLN:HB2	2:252:B:ALA:HB1	19	0.47
(1,3762)	2:256:B:GLN:HB2	2:252:B:ALA:HB2	19	0.47
(1,3762)	2:256:B:GLN:HB2	2:252:B:ALA:HB3	19	0.47
(1,3739)	2:239:B:ARG:HB2	2:234:B:LEU:HD21	1	0.47
(1,3739)	2:239:B:ARG:HB2	2:234:B:LEU:HD22	1	0.47
(1,3739)	2:239:B:ARG:HB2	2:234:B:LEU:HD23	1	0.47
(1,3463)	1:228:A:PRO:HD3	1:227:A:LEU:HD21	4	0.47
(1,3463)	1:228:A:PRO:HD3	1:227:A:LEU:HD22	4	0.47
(1,3463)	1:228:A:PRO:HD3	1:227:A:LEU:HD23	4	0.47
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD21	4	0.47
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD22	4	0.47
(1,3235)	1:210:A:PHE:HA	1:213:A:LEU:HD23	4	0.47
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG21	16	0.47
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG22	16	0.47
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG23	16	0.47
(1,3020)	1:209:A:PRO:HD2	1:206:A:LEU:HG	11	0.47
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	8	0.47
(1,2255)	2:256:B:GLN:HG2	2:256:B:GLN:H	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1590)	2:162:B:GLU:HG3	2:162:B:GLU:H	4	0.47
(1,1534)	2:221:B:ILE:HG12	2:221:B:ILE:H	14	0.47
(1,1168)	2:236:B:LYS:HE3	2:323:B:VAL:HG21	19	0.47
(1,1168)	2:236:B:LYS:HE3	2:323:B:VAL:HG22	19	0.47
(1,1168)	2:236:B:LYS:HE3	2:323:B:VAL:HG23	19	0.47
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD3	12	0.47
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD21	3	0.47
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD22	3	0.47
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD23	3	0.47
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD11	15	0.47
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD12	15	0.47
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD13	15	0.47
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD11	15	0.47
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD12	15	0.47
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD13	15	0.47
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD11	15	0.47
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD12	15	0.47
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD13	15	0.47
(1,215)	2:292:B:HIS:HE1	2:159:B:LYS:HE3	20	0.47
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG11	4	0.47
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG12	4	0.47
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG13	4	0.47
(1,3944)	2:242:B:TYR:HE1	2:234:B:LEU:HD21	14	0.46
(1,3944)	2:242:B:TYR:HE1	2:234:B:LEU:HD22	14	0.46
(1,3944)	2:242:B:TYR:HE1	2:234:B:LEU:HD23	14	0.46
(1,3944)	2:242:B:TYR:HE2	2:234:B:LEU:HD21	14	0.46
(1,3944)	2:242:B:TYR:HE2	2:234:B:LEU:HD22	14	0.46
(1,3944)	2:242:B:TYR:HE2	2:234:B:LEU:HD23	14	0.46
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	5	0.46
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	5	0.46
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	5	0.46
(1,3864)	1:201:A:TYR:HE1	1:203:A:GLN:HA	10	0.46
(1,3864)	1:201:A:TYR:HE2	1:203:A:GLN:HA	10	0.46
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD21	5	0.46
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD22	5	0.46
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD23	5	0.46
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD21	5	0.46
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD22	5	0.46
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD23	5	0.46
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD21	5	0.46
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD22	5	0.46
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD23	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3703)	2:204:B:ARG:HG3	2:201:B:ARG:HA	20	0.46
(1,3681)	2:193:B:ILE:HD11	2:188:B:LYS:HE3	7	0.46
(1,3681)	2:193:B:ILE:HD12	2:188:B:LYS:HE3	7	0.46
(1,3681)	2:193:B:ILE:HD13	2:188:B:LYS:HE3	7	0.46
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD11	15	0.46
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD12	15	0.46
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD13	15	0.46
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD11	15	0.46
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD12	15	0.46
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD13	15	0.46
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD11	15	0.46
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD12	15	0.46
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD13	15	0.46
(1,3582)	1:237:A:LEU:HD21	1:238:A:PRO:HD2	20	0.46
(1,3582)	1:237:A:LEU:HD22	1:238:A:PRO:HD2	20	0.46
(1,3582)	1:237:A:LEU:HD23	1:238:A:PRO:HD2	20	0.46
(1,3550)	1:234:A:THR:HA	1:233:A:CYS:HB3	11	0.46
(1,3490)	1:231:A:LEU:HD11	1:228:A:PRO:HG2	13	0.46
(1,3490)	1:231:A:LEU:HD12	1:228:A:PRO:HG2	13	0.46
(1,3490)	1:231:A:LEU:HD13	1:228:A:PRO:HG2	13	0.46
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD11	16	0.46
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD12	16	0.46
(1,3446)	1:228:A:PRO:HA	1:227:A:LEU:HD13	16	0.46
(1,3289)	1:220:A:ARG:HD2	1:217:A:ALA:HB1	4	0.46
(1,3289)	1:220:A:ARG:HD2	1:217:A:ALA:HB2	4	0.46
(1,3289)	1:220:A:ARG:HD2	1:217:A:ALA:HB3	4	0.46
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG21	3	0.46
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG22	3	0.46
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG23	3	0.46
(1,2930)	1:226:A:GLN:HB2	1:226:A:GLN:H	15	0.46
(1,2900)	1:222:A:PRO:HA	1:223:A:THR:H	5	0.46
(1,2511)	2:287:B:LEU:HD11	2:291:B:LEU:H	16	0.46
(1,2511)	2:287:B:LEU:HD12	2:291:B:LEU:H	16	0.46
(1,2511)	2:287:B:LEU:HD13	2:291:B:LEU:H	16	0.46
(1,1740)	2:183:B:TYR:HB2	2:183:B:TYR:H	15	0.46
(1,1581)	2:159:B:LYS:HB3	2:160:B:ILE:H	9	0.46
(1,1534)	2:221:B:ILE:HG12	2:221:B:ILE:H	5	0.46
(1,1322)	2:236:B:LYS:HD3	1:224:A:GLN:HG2	16	0.46
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD21	17	0.46
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD22	17	0.46
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD23	17	0.46
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD21	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD22	17	0.46
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD23	17	0.46
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD21	17	0.46
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD22	17	0.46
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD23	17	0.46
(1,1140)	2:317:B:GLU:HA	2:320:B:ARG:HD3	11	0.46
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD11	18	0.46
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD12	18	0.46
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD13	18	0.46
(1,759)	2:253:B:PRO:HG2	2:256:B:GLN:HG3	1	0.46
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD21	3	0.46
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD22	3	0.46
(1,240)	2:302:B:SER:HB3	2:164:B:LEU:HD23	3	0.46
(1,95)	1:213:A:LEU:HD11	2:273:B:MET:HG2	11	0.46
(1,95)	1:213:A:LEU:HD12	2:273:B:MET:HG2	11	0.46
(1,95)	1:213:A:LEU:HD13	2:273:B:MET:HG2	11	0.46
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG21	8	0.46
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG22	8	0.46
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG23	8	0.46
(1,51)	1:213:A:LEU:HD11	2:228:B:MET:HE1	16	0.46
(1,51)	1:213:A:LEU:HD11	2:228:B:MET:HE2	16	0.46
(1,51)	1:213:A:LEU:HD11	2:228:B:MET:HE3	16	0.46
(1,51)	1:213:A:LEU:HD12	2:228:B:MET:HE1	16	0.46
(1,51)	1:213:A:LEU:HD12	2:228:B:MET:HE2	16	0.46
(1,51)	1:213:A:LEU:HD12	2:228:B:MET:HE3	16	0.46
(1,51)	1:213:A:LEU:HD13	2:228:B:MET:HE1	16	0.46
(1,51)	1:213:A:LEU:HD13	2:228:B:MET:HE2	16	0.46
(1,51)	1:213:A:LEU:HD13	2:228:B:MET:HE3	16	0.46
(1,11)	1:231:A:LEU:HA	2:169:B:VAL:HG21	15	0.46
(1,11)	1:231:A:LEU:HA	2:169:B:VAL:HG22	15	0.46
(1,11)	1:231:A:LEU:HA	2:169:B:VAL:HG23	15	0.46
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD11	11	0.45
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD12	11	0.45
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD13	11	0.45
(1,3913)	2:212:B:TYR:HD1	2:209:B:ASN:HB2	14	0.45
(1,3913)	2:212:B:TYR:HD2	2:209:B:ASN:HB2	14	0.45
(1,3877)	2:277:B:THR:HG21	1:213:A:LEU:HG	12	0.45
(1,3877)	2:277:B:THR:HG22	1:213:A:LEU:HG	12	0.45
(1,3877)	2:277:B:THR:HG23	1:213:A:LEU:HG	12	0.45
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB1	19	0.45
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB2	19	0.45
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB3	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3687)	2:193:B:ILE:HB	2:190:B:VAL:HG11	5	0.45
(1,3687)	2:193:B:ILE:HB	2:190:B:VAL:HG12	5	0.45
(1,3687)	2:193:B:ILE:HB	2:190:B:VAL:HG13	5	0.45
(1,3665)	2:184:B:LEU:HB2	2:185:B:PRO:HB2	14	0.45
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD11	20	0.45
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD12	20	0.45
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD13	20	0.45
(1,3105)	1:206:A:LEU:HD21	1:205:A:GLN:HG2	8	0.45
(1,3105)	1:206:A:LEU:HD22	1:205:A:GLN:HG2	8	0.45
(1,3105)	1:206:A:LEU:HD23	1:205:A:GLN:HG2	8	0.45
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	18	0.45
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	18	0.45
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	18	0.45
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	1	0.45
(1,2423)	2:282:B:LYS:HB2	2:282:B:LYS:H	6	0.45
(1,2410)	2:280:B:ASP:HB3	2:281:B:GLU:H	19	0.45
(1,2255)	2:256:B:GLN:HG2	2:256:B:GLN:H	8	0.45
(1,1590)	2:162:B:GLU:HG2	2:162:B:GLU:H	15	0.45
(1,1322)	2:236:B:LYS:HD3	1:224:A:GLN:HG2	20	0.45
(1,1140)	2:317:B:GLU:HA	2:320:B:ARG:HD3	2	0.45
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD11	10	0.45
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD12	10	0.45
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD13	10	0.45
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD11	11	0.45
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD12	11	0.45
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD13	11	0.45
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD11	13	0.45
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD12	13	0.45
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD13	13	0.45
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD3	20	0.45
(1,623)	2:236:B:LYS:HB3	2:236:B:LYS:HE2	20	0.45
(1,618)	2:242:B:TYR:HB3	2:234:B:LEU:HD21	11	0.45
(1,618)	2:242:B:TYR:HB3	2:234:B:LEU:HD22	11	0.45
(1,618)	2:242:B:TYR:HB3	2:234:B:LEU:HD23	11	0.45
(1,434)	2:218:B:VAL:HG11	2:194:B:LEU:HD21	5	0.45
(1,434)	2:218:B:VAL:HG11	2:194:B:LEU:HD22	5	0.45
(1,434)	2:218:B:VAL:HG11	2:194:B:LEU:HD23	5	0.45
(1,434)	2:218:B:VAL:HG12	2:194:B:LEU:HD21	5	0.45
(1,434)	2:218:B:VAL:HG12	2:194:B:LEU:HD22	5	0.45
(1,434)	2:218:B:VAL:HG12	2:194:B:LEU:HD23	5	0.45
(1,434)	2:218:B:VAL:HG13	2:194:B:LEU:HD21	5	0.45
(1,434)	2:218:B:VAL:HG13	2:194:B:LEU:HD22	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	2:218:B:VAL:HG13	2:194:B:LEU:HD23	5	0.45
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD11	17	0.45
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD12	17	0.45
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD13	17	0.45
(1,326)	2:184:B:LEU:HD11	2:257:B:VAL:HB	4	0.45
(1,326)	2:184:B:LEU:HD12	2:257:B:VAL:HB	4	0.45
(1,326)	2:184:B:LEU:HD13	2:257:B:VAL:HB	4	0.45
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD21	14	0.45
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD22	14	0.45
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD23	14	0.45
(1,40)	1:214:A:ILE:HA	2:227:B:VAL:HG11	12	0.45
(1,40)	1:214:A:ILE:HA	2:227:B:VAL:HG12	12	0.45
(1,40)	1:214:A:ILE:HA	2:227:B:VAL:HG13	12	0.45
(1,3960)	2:267:B:PHE:HE1	2:270:B:ILE:HG21	6	0.44
(1,3960)	2:267:B:PHE:HE1	2:270:B:ILE:HG22	6	0.44
(1,3960)	2:267:B:PHE:HE1	2:270:B:ILE:HG23	6	0.44
(1,3960)	2:267:B:PHE:HE2	2:270:B:ILE:HG21	6	0.44
(1,3960)	2:267:B:PHE:HE2	2:270:B:ILE:HG22	6	0.44
(1,3960)	2:267:B:PHE:HE2	2:270:B:ILE:HG23	6	0.44
(1,3913)	2:212:B:TYR:HD1	2:209:B:ASN:HB2	13	0.44
(1,3913)	2:212:B:TYR:HD2	2:209:B:ASN:HB2	13	0.44
(1,3897)	2:268:B:VAL:HG21	1:227:A:LEU:HD11	14	0.44
(1,3897)	2:268:B:VAL:HG21	1:227:A:LEU:HD12	14	0.44
(1,3897)	2:268:B:VAL:HG21	1:227:A:LEU:HD13	14	0.44
(1,3897)	2:268:B:VAL:HG22	1:227:A:LEU:HD11	14	0.44
(1,3897)	2:268:B:VAL:HG22	1:227:A:LEU:HD12	14	0.44
(1,3897)	2:268:B:VAL:HG22	1:227:A:LEU:HD13	14	0.44
(1,3897)	2:268:B:VAL:HG23	1:227:A:LEU:HD11	14	0.44
(1,3897)	2:268:B:VAL:HG23	1:227:A:LEU:HD12	14	0.44
(1,3897)	2:268:B:VAL:HG23	1:227:A:LEU:HD13	14	0.44
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	8	0.44
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	8	0.44
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	8	0.44
(1,3739)	2:239:B:ARG:HG3	2:234:B:LEU:HD21	16	0.44
(1,3739)	2:239:B:ARG:HG3	2:234:B:LEU:HD22	16	0.44
(1,3739)	2:239:B:ARG:HG3	2:234:B:LEU:HD23	16	0.44
(1,3727)	2:222:B:LYS:HG2	2:223:B:GLU:HG2	1	0.44
(1,3725)	2:211:B:GLU:HA	2:202:B:LYS:HE2	17	0.44
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	15	0.44
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	15	0.44
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	15	0.44
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	15	0.44
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	15	0.44
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	15	0.44
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	15	0.44
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	15	0.44
(1,3326)	1:219:A:GLU:HG2	1:219:A:GLU:HA	12	0.44
(1,3106)	1:205:A:GLN:HA	1:205:A:GLN:HG3	5	0.44
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG21	1	0.44
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG22	1	0.44
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG23	1	0.44
(1,3048)	1:203:A:GLN:HG2	1:202:A:VAL:HG21	14	0.44
(1,3048)	1:203:A:GLN:HG2	1:202:A:VAL:HG22	14	0.44
(1,3048)	1:203:A:GLN:HG2	1:202:A:VAL:HG23	14	0.44
(1,3011)	1:211:A:GLU:HG3	1:207:A:ARG:HG3	2	0.44
(1,3000)	1:211:A:GLU:HB3	1:208:A:ARG:HD2	3	0.44
(1,2941)	1:227:A:LEU:HD11	1:227:A:LEU:H	20	0.44
(1,2941)	1:227:A:LEU:HD12	1:227:A:LEU:H	20	0.44
(1,2941)	1:227:A:LEU:HD13	1:227:A:LEU:H	20	0.44
(1,2725)	2:320:B:ARG:HB2	2:321:B:LYS:H	12	0.44
(1,1907)	2:204:B:ARG:HG3	2:204:B:ARG:H	6	0.44
(1,1041)	2:258:B:TYR:HD1	2:257:B:VAL:HG21	3	0.44
(1,1041)	2:258:B:TYR:HD1	2:257:B:VAL:HG22	3	0.44
(1,1041)	2:258:B:TYR:HD1	2:257:B:VAL:HG23	3	0.44
(1,1041)	2:258:B:TYR:HD2	2:257:B:VAL:HG21	3	0.44
(1,1041)	2:258:B:TYR:HD2	2:257:B:VAL:HG22	3	0.44
(1,1041)	2:258:B:TYR:HD2	2:257:B:VAL:HG23	3	0.44
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD11	4	0.44
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD12	4	0.44
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD13	4	0.44
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD11	6	0.44
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD12	6	0.44
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD13	6	0.44
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD11	8	0.44
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD12	8	0.44
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD13	8	0.44
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD11	12	0.44
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD12	12	0.44
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD13	12	0.44
(1,760)	2:257:B:VAL:HG11	2:256:B:GLN:HG2	17	0.44
(1,760)	2:257:B:VAL:HG12	2:256:B:GLN:HG2	17	0.44
(1,760)	2:257:B:VAL:HG13	2:256:B:GLN:HG2	17	0.44
(1,551)	2:194:B:LEU:HD11	2:222:B:LYS:HB2	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	2:194:B:LEU:HD12	2:222:B:LYS:HB2	3	0.44
(1,551)	2:194:B:LEU:HD13	2:222:B:LYS:HB2	3	0.44
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD21	9	0.44
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD22	9	0.44
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD23	9	0.44
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG21	3	0.44
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG22	3	0.44
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG23	3	0.44
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG21	14	0.44
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG22	14	0.44
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG23	14	0.44
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG21	15	0.44
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG22	15	0.44
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG23	15	0.44
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG21	20	0.44
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG22	20	0.44
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG23	20	0.44
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG21	15	0.44
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG22	15	0.44
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG23	15	0.44
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG21	15	0.44
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG22	15	0.44
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG23	15	0.44
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG21	15	0.44
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG22	15	0.44
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG23	15	0.44
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD21	2	0.43
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD22	2	0.43
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD23	2	0.43
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	7	0.43
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	7	0.43
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	7	0.43
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	7	0.43
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	7	0.43
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	7	0.43
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD21	2	0.43
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD22	2	0.43
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD23	2	0.43
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD21	2	0.43
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD22	2	0.43
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD23	2	0.43
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD21	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD22	2	0.43
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD23	2	0.43
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD21	20	0.43
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD22	20	0.43
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD23	20	0.43
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD21	20	0.43
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD22	20	0.43
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD23	20	0.43
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD21	20	0.43
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD22	20	0.43
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD23	20	0.43
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB1	7	0.43
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB2	7	0.43
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB3	7	0.43
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB1	7	0.43
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB2	7	0.43
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB3	7	0.43
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB1	7	0.43
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB2	7	0.43
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB3	7	0.43
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG21	6	0.43
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG22	6	0.43
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG23	6	0.43
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	14	0.43
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	14	0.43
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	14	0.43
(1,3650)	2:257:B:VAL:HG11	2:186:B:ALA:HB1	10	0.43
(1,3650)	2:257:B:VAL:HG11	2:186:B:ALA:HB2	10	0.43
(1,3650)	2:257:B:VAL:HG11	2:186:B:ALA:HB3	10	0.43
(1,3650)	2:257:B:VAL:HG12	2:186:B:ALA:HB1	10	0.43
(1,3650)	2:257:B:VAL:HG12	2:186:B:ALA:HB2	10	0.43
(1,3650)	2:257:B:VAL:HG12	2:186:B:ALA:HB3	10	0.43
(1,3650)	2:257:B:VAL:HG13	2:186:B:ALA:HB1	10	0.43
(1,3650)	2:257:B:VAL:HG13	2:186:B:ALA:HB2	10	0.43
(1,3650)	2:257:B:VAL:HG13	2:186:B:ALA:HB3	10	0.43
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG21	20	0.43
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG22	20	0.43
(1,3650)	2:181:B:LEU:HD11	2:175:B:ILE:HG23	20	0.43
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG21	20	0.43
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG22	20	0.43
(1,3650)	2:181:B:LEU:HD12	2:175:B:ILE:HG23	20	0.43
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG21	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG22	20	0.43
(1,3650)	2:181:B:LEU:HD13	2:175:B:ILE:HG23	20	0.43
(1,3551)	1:234:A:THR:HA	1:233:A:CYS:HB2	7	0.43
(1,3143)	1:211:A:GLU:HB3	1:208:A:ARG:HD3	8	0.43
(1,3135)	1:207:A:ARG:HB2	1:207:A:ARG:HD2	6	0.43
(1,3114)	1:228:A:PRO:HD3	1:231:A:LEU:HD21	17	0.43
(1,3114)	1:228:A:PRO:HD3	1:231:A:LEU:HD22	17	0.43
(1,3114)	1:228:A:PRO:HD3	1:231:A:LEU:HD23	17	0.43
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	1	0.43
(1,2930)	1:226:A:GLN:HB2	1:226:A:GLN:H	18	0.43
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	14	0.43
(1,2553)	2:296:B:LYS:HG3	2:296:B:LYS:H	15	0.43
(1,2319)	2:160:B:ILE:HD11	2:270:B:ILE:H	3	0.43
(1,2319)	2:160:B:ILE:HD12	2:270:B:ILE:H	3	0.43
(1,2319)	2:160:B:ILE:HD13	2:270:B:ILE:H	3	0.43
(1,2319)	2:158:B:VAL:HG21	2:270:B:ILE:H	4	0.43
(1,2319)	2:158:B:VAL:HG22	2:270:B:ILE:H	4	0.43
(1,2319)	2:158:B:VAL:HG23	2:270:B:ILE:H	4	0.43
(1,2255)	2:256:B:GLN:HG2	2:256:B:GLN:H	10	0.43
(1,2068)	2:228:B:MET:HG3	2:232:B:GLN:HE22	15	0.43
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	2	0.43
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	2	0.43
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	2	0.43
(1,1548)	2:155:B:GLU:HG3	2:155:B:GLU:H	20	0.43
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD11	19	0.43
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD12	19	0.43
(1,1434)	2:242:B:TYR:HD1	2:229:B:LEU:HD13	19	0.43
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD11	19	0.43
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD12	19	0.43
(1,1434)	2:242:B:TYR:HD2	2:229:B:LEU:HD13	19	0.43
(1,1322)	2:236:B:LYS:HD3	1:224:A:GLN:HG2	10	0.43
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG2	3	0.43
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG2	3	0.43
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG2	3	0.43
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG2	8	0.43
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG2	8	0.43
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG2	8	0.43
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD11	17	0.43
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD12	17	0.43
(1,1000)	2:291:B:LEU:HA	2:291:B:LEU:HD13	17	0.43
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD3	3	0.43
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE2	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE2	18	0.43
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE2	18	0.43
(1,444)	2:202:B:LYS:HE3	2:198:B:ALA:HB1	12	0.43
(1,444)	2:202:B:LYS:HE3	2:198:B:ALA:HB2	12	0.43
(1,444)	2:202:B:LYS:HE3	2:198:B:ALA:HB3	12	0.43
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD11	8	0.43
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD12	8	0.43
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD13	8	0.43
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD21	12	0.43
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD22	12	0.43
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD23	12	0.43
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD11	10	0.43
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD12	10	0.43
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD13	10	0.43
(1,3937)	2:237:B:PHE:HD1	2:176:B:THR:HA	3	0.42
(1,3937)	2:237:B:PHE:HD2	2:176:B:THR:HA	3	0.42
(1,3904)	2:268:B:VAL:HG21	1:228:A:PRO:HG3	7	0.42
(1,3904)	2:268:B:VAL:HG22	1:228:A:PRO:HG3	7	0.42
(1,3904)	2:268:B:VAL:HG23	1:228:A:PRO:HG3	7	0.42
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD11	13	0.42
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD12	13	0.42
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD13	13	0.42
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD11	13	0.42
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD12	13	0.42
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD13	13	0.42
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD11	13	0.42
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD12	13	0.42
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD13	13	0.42
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	20	0.42
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	20	0.42
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	20	0.42
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	11	0.42
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	11	0.42
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	11	0.42
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	19	0.42
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	19	0.42
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	19	0.42
(1,3866)	2:213:B:ALA:HA	1:203:A:GLN:HG3	9	0.42
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG11	4	0.42
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG12	4	0.42
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG13	4	0.42
(1,3819)	2:245:B:ILE:HG21	2:184:B:LEU:HD11	18	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3819)	2:245:B:ILE:HG21	2:184:B:LEU:HD12	18	0.42
(1,3819)	2:245:B:ILE:HG21	2:184:B:LEU:HD13	18	0.42
(1,3819)	2:245:B:ILE:HG22	2:184:B:LEU:HD11	18	0.42
(1,3819)	2:245:B:ILE:HG22	2:184:B:LEU:HD12	18	0.42
(1,3819)	2:245:B:ILE:HG22	2:184:B:LEU:HD13	18	0.42
(1,3819)	2:245:B:ILE:HG23	2:184:B:LEU:HD11	18	0.42
(1,3819)	2:245:B:ILE:HG23	2:184:B:LEU:HD12	18	0.42
(1,3819)	2:245:B:ILE:HG23	2:184:B:LEU:HD13	18	0.42
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB1	18	0.42
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB2	18	0.42
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB3	18	0.42
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB1	12	0.42
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB2	12	0.42
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB3	12	0.42
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB1	12	0.42
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB2	12	0.42
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB3	12	0.42
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB1	12	0.42
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB2	12	0.42
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB3	12	0.42
(1,3743)	2:296:B:LYS:HA	2:296:B:LYS:HD2	14	0.42
(1,3718)	2:217:B:VAL:HA	2:217:B:VAL:HG11	10	0.42
(1,3718)	2:217:B:VAL:HA	2:217:B:VAL:HG12	10	0.42
(1,3718)	2:217:B:VAL:HA	2:217:B:VAL:HG13	10	0.42
(1,3718)	2:217:B:VAL:HA	2:217:B:VAL:HG11	14	0.42
(1,3718)	2:217:B:VAL:HA	2:217:B:VAL:HG12	14	0.42
(1,3718)	2:217:B:VAL:HA	2:217:B:VAL:HG13	14	0.42
(1,3610)	1:205:A:GLN:HA	2:286:B:LEU:HD21	12	0.42
(1,3610)	1:205:A:GLN:HA	2:286:B:LEU:HD22	12	0.42
(1,3610)	1:205:A:GLN:HA	2:286:B:LEU:HD23	12	0.42
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	11	0.42
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	11	0.42
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	11	0.42
(1,3366)	1:222:A:PRO:HD2	1:221:A:ASN:HB3	10	0.42
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD11	4	0.42
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD12	4	0.42
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD13	4	0.42
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD11	11	0.42
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD12	11	0.42
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD13	11	0.42
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD11	16	0.42
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD12	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD13	16	0.42
(1,3002)	1:211:A:GLU:HG3	1:207:A:ARG:HD2	2	0.42
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	1	0.42
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	1	0.42
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	1	0.42
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	7	0.42
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	7	0.42
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	7	0.42
(1,2389)	2:284:B:LEU:HD21	2:279:B:LEU:H	8	0.42
(1,2389)	2:284:B:LEU:HD22	2:279:B:LEU:H	8	0.42
(1,2389)	2:284:B:LEU:HD23	2:279:B:LEU:H	8	0.42
(1,2260)	2:257:B:VAL:HG11	2:257:B:VAL:H	3	0.42
(1,2260)	2:257:B:VAL:HG12	2:257:B:VAL:H	3	0.42
(1,2260)	2:257:B:VAL:HG13	2:257:B:VAL:H	3	0.42
(1,2245)	2:252:B:ALA:HB1	2:256:B:GLN:HE21	4	0.42
(1,2245)	2:252:B:ALA:HB2	2:256:B:GLN:HE21	4	0.42
(1,2245)	2:252:B:ALA:HB3	2:256:B:GLN:HE21	4	0.42
(1,2245)	2:252:B:ALA:HB1	2:256:B:GLN:HE21	15	0.42
(1,2245)	2:252:B:ALA:HB2	2:256:B:GLN:HE21	15	0.42
(1,2245)	2:252:B:ALA:HB3	2:256:B:GLN:HE21	15	0.42
(1,1999)	2:222:B:LYS:HG2	2:223:B:GLU:H	6	0.42
(1,1991)	2:194:B:LEU:HD11	2:222:B:LYS:H	10	0.42
(1,1991)	2:194:B:LEU:HD12	2:222:B:LYS:H	10	0.42
(1,1991)	2:194:B:LEU:HD13	2:222:B:LYS:H	10	0.42
(1,1799)	2:191:B:ASP:HB3	2:192:B:SER:H	17	0.42
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG21	17	0.42
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG22	17	0.42
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG23	17	0.42
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG21	17	0.42
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG22	17	0.42
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG23	17	0.42
(1,1086)	2:183:B:TYR:HD1	2:312:B:GLU:HG2	13	0.42
(1,1086)	2:183:B:TYR:HD2	2:312:B:GLU:HG2	13	0.42
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	17	0.42
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	17	0.42
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	17	0.42
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	17	0.42
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	17	0.42
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	17	0.42
(1,759)	2:253:B:PRO:HG2	2:256:B:GLN:HG3	2	0.42
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD11	13	0.42
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD12	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD13	13	0.42
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD11	14	0.42
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD12	14	0.42
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD13	14	0.42
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD21	4	0.42
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD22	4	0.42
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD23	4	0.42
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD21	15	0.42
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD22	15	0.42
(1,236)	2:164:B:LEU:HA	2:164:B:LEU:HD23	15	0.42
(1,3976)	2:267:B:PHE:HZ	2:221:B:ILE:HG21	3	0.41
(1,3976)	2:267:B:PHE:HZ	2:221:B:ILE:HG22	3	0.41
(1,3976)	2:267:B:PHE:HZ	2:221:B:ILE:HG23	3	0.41
(1,3904)	2:286:B:LEU:HD11	1:204:A:PRO:HG3	5	0.41
(1,3904)	2:286:B:LEU:HD12	1:204:A:PRO:HG3	5	0.41
(1,3904)	2:286:B:LEU:HD13	1:204:A:PRO:HG3	5	0.41
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	4	0.41
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	4	0.41
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	4	0.41
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	18	0.41
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	18	0.41
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	18	0.41
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD21	13	0.41
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD22	13	0.41
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD23	13	0.41
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD21	13	0.41
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD22	13	0.41
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD23	13	0.41
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD21	13	0.41
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD22	13	0.41
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD23	13	0.41
(1,3743)	2:296:B:LYS:HA	2:296:B:LYS:HD2	15	0.41
(1,3718)	2:217:B:VAL:HA	2:217:B:VAL:HG11	13	0.41
(1,3718)	2:217:B:VAL:HA	2:217:B:VAL:HG12	13	0.41
(1,3718)	2:217:B:VAL:HA	2:217:B:VAL:HG13	13	0.41
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG11	20	0.41
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG12	20	0.41
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG13	20	0.41
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD21	8	0.41
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD22	8	0.41
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD23	8	0.41
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD21	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD22	14	0.41
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD23	14	0.41
(1,3117)	1:209:A:PRO:HD2	1:206:A:LEU:HD11	17	0.41
(1,3117)	1:209:A:PRO:HD2	1:206:A:LEU:HD12	17	0.41
(1,3117)	1:209:A:PRO:HD2	1:206:A:LEU:HD13	17	0.41
(1,3106)	1:205:A:GLN:HA	1:205:A:GLN:HG3	6	0.41
(1,3106)	1:205:A:GLN:HA	1:205:A:GLN:HG3	12	0.41
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG21	12	0.41
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG22	12	0.41
(1,3052)	1:203:A:GLN:HG2	1:202:A:VAL:HG23	12	0.41
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG21	10	0.41
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG22	10	0.41
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG23	10	0.41
(1,3000)	1:211:A:GLU:HB3	1:208:A:ARG:HD2	12	0.41
(1,2737)	2:320:B:ARG:HA	2:323:B:VAL:H	9	0.41
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	3	0.41
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	3	0.41
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	3	0.41
(1,2498)	2:289:B:ASN:HB3	2:290:B:TYR:H	3	0.41
(1,2347)	2:273:B:MET:HG2	2:273:B:MET:H	7	0.41
(1,2260)	2:257:B:VAL:HG11	2:257:B:VAL:H	18	0.41
(1,2260)	2:257:B:VAL:HG12	2:257:B:VAL:H	18	0.41
(1,2260)	2:257:B:VAL:HG13	2:257:B:VAL:H	18	0.41
(1,2255)	2:256:B:GLN:HG2	2:256:B:GLN:H	9	0.41
(1,2255)	2:256:B:GLN:HG2	2:256:B:GLN:H	12	0.41
(1,2069)	2:269:B:ARG:HB3	2:232:B:GLN:HE22	17	0.41
(1,2044)	2:266:B:LEU:HD21	2:228:B:MET:H	7	0.41
(1,2044)	2:266:B:LEU:HD22	2:228:B:MET:H	7	0.41
(1,2044)	2:266:B:LEU:HD23	2:228:B:MET:H	7	0.41
(1,1914)	2:209:B:ASN:HB2	2:209:B:ASN:HD21	9	0.41
(1,1729)	2:313:B:VAL:HG11	2:180:B:GLN:H	10	0.41
(1,1729)	2:313:B:VAL:HG12	2:180:B:GLN:H	10	0.41
(1,1729)	2:313:B:VAL:HG13	2:180:B:GLN:H	10	0.41
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD11	13	0.41
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD12	13	0.41
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD13	13	0.41
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD11	13	0.41
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD12	13	0.41
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD13	13	0.41
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD11	13	0.41
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD12	13	0.41
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD13	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1322)	2:236:B:LYS:HD2	1:224:A:GLN:HG2	15	0.41
(1,1141)	2:320:B:ARG:HA	2:320:B:ARG:HD2	12	0.41
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	1	0.41
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	1	0.41
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	1	0.41
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	1	0.41
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	1	0.41
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	1	0.41
(1,215)	2:292:B:HIS:HE1	2:159:B:LYS:HE2	8	0.41
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD11	19	0.41
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD12	19	0.41
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD13	19	0.41
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG21	6	0.41
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG22	6	0.41
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG23	6	0.41
(1,3974)	2:294:B:PHE:HZ	2:263:B:LEU:HD11	12	0.4
(1,3974)	2:294:B:PHE:HZ	2:263:B:LEU:HD12	12	0.4
(1,3974)	2:294:B:PHE:HZ	2:263:B:LEU:HD13	12	0.4
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	13	0.4
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	13	0.4
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	13	0.4
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD21	10	0.4
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD22	10	0.4
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD23	10	0.4
(1,3726)	2:219:B:ALA:HA	2:222:B:LYS:HE3	5	0.4
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD11	14	0.4
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD12	14	0.4
(1,3644)	2:291:B:LEU:HG	2:287:B:LEU:HD13	14	0.4
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG21	12	0.4
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG22	12	0.4
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG23	12	0.4
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD21	3	0.4
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD22	3	0.4
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD23	3	0.4
(1,3233)	1:213:A:LEU:HB2	1:213:A:LEU:HD11	8	0.4
(1,3233)	1:213:A:LEU:HB2	1:213:A:LEU:HD12	8	0.4
(1,3233)	1:213:A:LEU:HB2	1:213:A:LEU:HD13	8	0.4
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD11	2	0.4
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD12	2	0.4
(1,3232)	1:213:A:LEU:HA	1:213:A:LEU:HD13	2	0.4
(1,3135)	1:207:A:ARG:HB2	1:207:A:ARG:HD2	10	0.4
(1,3067)	1:202:A:VAL:HG21	1:203:A:GLN:HG3	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3067)	1:202:A:VAL:HG22	1:203:A:GLN:HG3	18	0.4
(1,3067)	1:202:A:VAL:HG23	1:203:A:GLN:HG3	18	0.4
(1,3052)	1:203:A:GLN:HG3	1:202:A:VAL:HG21	8	0.4
(1,3052)	1:203:A:GLN:HG3	1:202:A:VAL:HG22	8	0.4
(1,3052)	1:203:A:GLN:HG3	1:202:A:VAL:HG23	8	0.4
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG21	18	0.4
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG22	18	0.4
(1,3049)	1:201:A:TYR:HA	1:202:A:VAL:HG23	18	0.4
(1,2738)	2:321:B:LYS:HB3	2:323:B:VAL:H	20	0.4
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	5	0.4
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	5	0.4
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	5	0.4
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	20	0.4
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	20	0.4
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	20	0.4
(1,2347)	2:273:B:MET:HG2	2:273:B:MET:H	6	0.4
(1,2319)	2:160:B:ILE:HD11	2:270:B:ILE:H	15	0.4
(1,2319)	2:160:B:ILE:HD12	2:270:B:ILE:H	15	0.4
(1,2319)	2:160:B:ILE:HD13	2:270:B:ILE:H	15	0.4
(1,2255)	2:256:B:GLN:HG2	2:256:B:GLN:H	2	0.4
(1,2255)	2:256:B:GLN:HG2	2:256:B:GLN:H	6	0.4
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	1	0.4
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	1	0.4
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	1	0.4
(1,1322)	2:236:B:LYS:HD2	1:224:A:GLN:HG2	2	0.4
(1,1322)	2:236:B:LYS:HD3	1:224:A:GLN:HG2	13	0.4
(1,1308)	2:231:B:THR:HG21	1:222:A:PRO:HG3	5	0.4
(1,1308)	2:231:B:THR:HG22	1:222:A:PRO:HG3	5	0.4
(1,1308)	2:231:B:THR:HG23	1:222:A:PRO:HG3	5	0.4
(1,1015)	2:160:B:ILE:HD11	2:295:B:LEU:HD21	16	0.4
(1,1015)	2:160:B:ILE:HD11	2:295:B:LEU:HD22	16	0.4
(1,1015)	2:160:B:ILE:HD11	2:295:B:LEU:HD23	16	0.4
(1,1015)	2:160:B:ILE:HD12	2:295:B:LEU:HD21	16	0.4
(1,1015)	2:160:B:ILE:HD12	2:295:B:LEU:HD22	16	0.4
(1,1015)	2:160:B:ILE:HD12	2:295:B:LEU:HD23	16	0.4
(1,1015)	2:160:B:ILE:HD13	2:295:B:LEU:HD21	16	0.4
(1,1015)	2:160:B:ILE:HD13	2:295:B:LEU:HD22	16	0.4
(1,1015)	2:160:B:ILE:HD13	2:295:B:LEU:HD23	16	0.4
(1,778)	2:184:B:LEU:HD11	2:258:B:TYR:HA	1	0.4
(1,778)	2:184:B:LEU:HD12	2:258:B:TYR:HA	1	0.4
(1,778)	2:184:B:LEU:HD13	2:258:B:TYR:HA	1	0.4
(1,477)	2:204:B:ARG:HA	2:204:B:ARG:HD2	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE3	1	0.4
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE3	13	0.4
(1,212)	2:159:B:LYS:HA	2:159:B:LYS:HE2	10	0.4
(1,212)	2:159:B:LYS:HA	2:159:B:LYS:HE2	18	0.4
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG21	1	0.4
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG22	1	0.4
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG23	1	0.4
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG21	9	0.4
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG22	9	0.4
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG23	9	0.4
(1,62)	1:225:A:PHE:HZ	2:233:B:LEU:HD21	4	0.4
(1,62)	1:225:A:PHE:HZ	2:233:B:LEU:HD22	4	0.4
(1,62)	1:225:A:PHE:HZ	2:233:B:LEU:HD23	4	0.4
(1,8)	1:231:A:LEU:HD21	2:168:B:LEU:HD11	9	0.4
(1,8)	1:231:A:LEU:HD21	2:168:B:LEU:HD12	9	0.4
(1,8)	1:231:A:LEU:HD21	2:168:B:LEU:HD13	9	0.4
(1,8)	1:231:A:LEU:HD22	2:168:B:LEU:HD11	9	0.4
(1,8)	1:231:A:LEU:HD22	2:168:B:LEU:HD12	9	0.4
(1,8)	1:231:A:LEU:HD22	2:168:B:LEU:HD13	9	0.4
(1,8)	1:231:A:LEU:HD23	2:168:B:LEU:HD11	9	0.4
(1,8)	1:231:A:LEU:HD23	2:168:B:LEU:HD12	9	0.4
(1,8)	1:231:A:LEU:HD23	2:168:B:LEU:HD13	9	0.4
(1,3976)	2:267:B:PHE:HZ	2:221:B:ILE:HG21	10	0.39
(1,3976)	2:267:B:PHE:HZ	2:221:B:ILE:HG22	10	0.39
(1,3976)	2:267:B:PHE:HZ	2:221:B:ILE:HG23	10	0.39
(1,3903)	2:268:B:VAL:HG21	1:228:A:PRO:HD3	5	0.39
(1,3903)	2:268:B:VAL:HG22	1:228:A:PRO:HD3	5	0.39
(1,3903)	2:268:B:VAL:HG23	1:228:A:PRO:HD3	5	0.39
(1,3866)	2:210:B:LYS:HA	1:203:A:GLN:HG2	8	0.39
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD21	18	0.39
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD22	18	0.39
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD23	18	0.39
(1,3813)	2:156:B:VAL:HA	2:284:B:LEU:HD21	5	0.39
(1,3813)	2:156:B:VAL:HA	2:284:B:LEU:HD22	5	0.39
(1,3813)	2:156:B:VAL:HA	2:284:B:LEU:HD23	5	0.39
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB1	14	0.39
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB2	14	0.39
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB3	14	0.39
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD11	5	0.39
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD12	5	0.39
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD13	5	0.39
(1,3743)	2:296:B:LYS:HA	2:296:B:LYS:HD2	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3681)	2:305:B:LEU:HD11	2:188:B:LYS:HE3	12	0.39
(1,3681)	2:305:B:LEU:HD12	2:188:B:LYS:HE3	12	0.39
(1,3681)	2:305:B:LEU:HD13	2:188:B:LYS:HE3	12	0.39
(1,3665)	2:184:B:LEU:HB2	2:185:B:PRO:HB3	12	0.39
(1,3653)	2:176:B:THR:HA	2:179:B:LYS:HD3	8	0.39
(1,3649)	2:238:B:GLU:HB2	2:175:B:ILE:HG21	8	0.39
(1,3649)	2:238:B:GLU:HB2	2:175:B:ILE:HG22	8	0.39
(1,3649)	2:238:B:GLU:HB2	2:175:B:ILE:HG23	8	0.39
(1,3596)	1:231:A:LEU:HD11	2:168:B:LEU:HD21	7	0.39
(1,3596)	1:231:A:LEU:HD11	2:168:B:LEU:HD22	7	0.39
(1,3596)	1:231:A:LEU:HD11	2:168:B:LEU:HD23	7	0.39
(1,3596)	1:231:A:LEU:HD12	2:168:B:LEU:HD21	7	0.39
(1,3596)	1:231:A:LEU:HD12	2:168:B:LEU:HD22	7	0.39
(1,3596)	1:231:A:LEU:HD12	2:168:B:LEU:HD23	7	0.39
(1,3596)	1:231:A:LEU:HD13	2:168:B:LEU:HD21	7	0.39
(1,3596)	1:231:A:LEU:HD13	2:168:B:LEU:HD22	7	0.39
(1,3596)	1:231:A:LEU:HD13	2:168:B:LEU:HD23	7	0.39
(1,3503)	1:231:A:LEU:HD21	1:230:A:GLU:HG3	8	0.39
(1,3503)	1:231:A:LEU:HD22	1:230:A:GLU:HG3	8	0.39
(1,3503)	1:231:A:LEU:HD23	1:230:A:GLU:HG3	8	0.39
(1,2775)	1:204:A:PRO:HB2	1:205:A:GLN:H	16	0.39
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	19	0.39
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	10	0.39
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	10	0.39
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	10	0.39
(1,2449)	2:284:B:LEU:HD21	2:285:B:ALA:H	11	0.39
(1,2449)	2:284:B:LEU:HD22	2:285:B:ALA:H	11	0.39
(1,2449)	2:284:B:LEU:HD23	2:285:B:ALA:H	11	0.39
(1,2044)	2:233:B:LEU:HD11	2:228:B:MET:H	13	0.39
(1,2044)	2:233:B:LEU:HD12	2:228:B:MET:H	13	0.39
(1,2044)	2:233:B:LEU:HD13	2:228:B:MET:H	13	0.39
(1,1914)	2:209:B:ASN:HB2	2:209:B:ASN:HD21	4	0.39
(1,1914)	2:209:B:ASN:HB2	2:209:B:ASN:HD21	14	0.39
(1,1789)	2:189:B:ASN:HB3	2:191:B:ASP:H	17	0.39
(1,1345)	2:160:B:ILE:HG21	1:231:A:LEU:HD21	13	0.39
(1,1345)	2:160:B:ILE:HG21	1:231:A:LEU:HD22	13	0.39
(1,1345)	2:160:B:ILE:HG21	1:231:A:LEU:HD23	13	0.39
(1,1345)	2:160:B:ILE:HG22	1:231:A:LEU:HD21	13	0.39
(1,1345)	2:160:B:ILE:HG22	1:231:A:LEU:HD22	13	0.39
(1,1345)	2:160:B:ILE:HG22	1:231:A:LEU:HD23	13	0.39
(1,1345)	2:160:B:ILE:HG23	1:231:A:LEU:HD21	13	0.39
(1,1345)	2:160:B:ILE:HG23	1:231:A:LEU:HD22	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	2:160:B:ILE:HG23	1:231:A:LEU:HD23	13	0.39
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD21	2	0.39
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD22	2	0.39
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD23	2	0.39
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD21	2	0.39
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD22	2	0.39
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD23	2	0.39
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD21	2	0.39
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD22	2	0.39
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD23	2	0.39
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG3	5	0.39
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG3	5	0.39
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG3	5	0.39
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG2	9	0.39
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG2	9	0.39
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG2	9	0.39
(1,1140)	2:317:B:GLU:HA	2:320:B:ARG:HD3	16	0.39
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD11	14	0.39
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD12	14	0.39
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD13	14	0.39
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD21	10	0.39
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD22	10	0.39
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD23	10	0.39
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE1	13	0.39
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE2	13	0.39
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE3	13	0.39
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE1	13	0.39
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE2	13	0.39
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE3	13	0.39
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE1	13	0.39
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE2	13	0.39
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE3	13	0.39
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	17	0.39
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	17	0.39
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	17	0.39
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	17	0.39
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	17	0.39
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	17	0.39
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	10	0.39
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	10	0.39
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	10	0.39
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	10	0.39
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	10	0.39
(1,539)	2:217:B:VAL:HG11	2:221:B:ILE:HD11	14	0.39
(1,539)	2:217:B:VAL:HG11	2:221:B:ILE:HD12	14	0.39
(1,539)	2:217:B:VAL:HG11	2:221:B:ILE:HD13	14	0.39
(1,539)	2:217:B:VAL:HG12	2:221:B:ILE:HD11	14	0.39
(1,539)	2:217:B:VAL:HG12	2:221:B:ILE:HD12	14	0.39
(1,539)	2:217:B:VAL:HG12	2:221:B:ILE:HD13	14	0.39
(1,539)	2:217:B:VAL:HG13	2:221:B:ILE:HD11	14	0.39
(1,539)	2:217:B:VAL:HG13	2:221:B:ILE:HD12	14	0.39
(1,539)	2:217:B:VAL:HG13	2:221:B:ILE:HD13	14	0.39
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE2	4	0.39
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE2	4	0.39
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE2	4	0.39
(1,383)	2:188:B:LYS:HA	2:188:B:LYS:HD3	17	0.39
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE3	8	0.39
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE2	20	0.39
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG21	4	0.39
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG22	4	0.39
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG23	4	0.39
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG21	10	0.39
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG22	10	0.39
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG23	10	0.39
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD11	6	0.38
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD12	6	0.38
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD13	6	0.38
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	5	0.38
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	5	0.38
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	5	0.38
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	5	0.38
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	5	0.38
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	5	0.38
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	7	0.38
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	7	0.38
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	7	0.38
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD11	7	0.38
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD12	7	0.38
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD13	7	0.38
(1,3760)	2:250:B:PRO:HA	2:246:B:LEU:HD21	6	0.38
(1,3760)	2:250:B:PRO:HA	2:246:B:LEU:HD22	6	0.38
(1,3760)	2:250:B:PRO:HA	2:246:B:LEU:HD23	6	0.38
(1,3726)	2:219:B:ALA:HA	2:222:B:LYS:HE3	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3653)	2:176:B:THR:HB	2:177:B:ARG:HG3	3	0.38
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD21	2	0.38
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD22	2	0.38
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD23	2	0.38
(1,3106)	1:205:A:GLN:HA	1:205:A:GLN:HG3	9	0.38
(1,3048)	1:203:A:GLN:HG2	1:202:A:VAL:HG21	17	0.38
(1,3048)	1:203:A:GLN:HG2	1:202:A:VAL:HG22	17	0.38
(1,3048)	1:203:A:GLN:HG2	1:202:A:VAL:HG23	17	0.38
(1,2999)	1:211:A:GLU:HG2	1:208:A:ARG:HD2	9	0.38
(1,2941)	1:227:A:LEU:HD11	1:227:A:LEU:H	2	0.38
(1,2941)	1:227:A:LEU:HD12	1:227:A:LEU:H	2	0.38
(1,2941)	1:227:A:LEU:HD13	1:227:A:LEU:H	2	0.38
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	18	0.38
(1,2476)	2:287:B:LEU:HB2	2:288:B:LEU:H	8	0.38
(1,2439)	2:279:B:LEU:HD21	2:284:B:LEU:H	10	0.38
(1,2439)	2:279:B:LEU:HD22	2:284:B:LEU:H	10	0.38
(1,2439)	2:279:B:LEU:HD23	2:284:B:LEU:H	10	0.38
(1,2410)	2:280:B:ASP:HB3	2:281:B:GLU:H	16	0.38
(1,2255)	2:256:B:GLN:HG2	2:256:B:GLN:H	14	0.38
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	7	0.38
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	7	0.38
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	7	0.38
(1,1999)	2:222:B:LYS:HG3	2:223:B:GLU:H	15	0.38
(1,1914)	2:209:B:ASN:HB2	2:209:B:ASN:HD21	7	0.38
(1,1914)	2:209:B:ASN:HB2	2:209:B:ASN:HD21	15	0.38
(1,1716)	2:174:B:LEU:HD11	2:180:B:GLN:HE22	20	0.38
(1,1716)	2:174:B:LEU:HD12	2:180:B:GLN:HE22	20	0.38
(1,1716)	2:174:B:LEU:HD13	2:180:B:GLN:HE22	20	0.38
(1,1339)	2:165:B:LYS:HG3	1:231:A:LEU:HD11	5	0.38
(1,1339)	2:165:B:LYS:HG3	1:231:A:LEU:HD12	5	0.38
(1,1339)	2:165:B:LYS:HG3	1:231:A:LEU:HD13	5	0.38
(1,1322)	2:236:B:LYS:HD3	1:224:A:GLN:HG2	6	0.38
(1,1141)	2:320:B:ARG:HA	2:320:B:ARG:HD3	10	0.38
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE1	19	0.38
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE2	19	0.38
(1,856)	2:227:B:VAL:HG11	2:273:B:MET:HE3	19	0.38
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE1	19	0.38
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE2	19	0.38
(1,856)	2:227:B:VAL:HG12	2:273:B:MET:HE3	19	0.38
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE1	19	0.38
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE2	19	0.38
(1,856)	2:227:B:VAL:HG13	2:273:B:MET:HE3	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD11	16	0.38
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD12	16	0.38
(1,799)	2:295:B:LEU:HD21	2:264:B:LEU:HD13	16	0.38
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD11	16	0.38
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD12	16	0.38
(1,799)	2:295:B:LEU:HD22	2:264:B:LEU:HD13	16	0.38
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD11	16	0.38
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD12	16	0.38
(1,799)	2:295:B:LEU:HD23	2:264:B:LEU:HD13	16	0.38
(1,759)	2:253:B:PRO:HG2	2:256:B:GLN:HG3	7	0.38
(1,759)	2:253:B:PRO:HG2	2:256:B:GLN:HG3	14	0.38
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG11	13	0.38
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG12	13	0.38
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG13	13	0.38
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG11	13	0.38
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG12	13	0.38
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG13	13	0.38
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG11	13	0.38
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG12	13	0.38
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG13	13	0.38
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE3	15	0.38
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE3	16	0.38
(1,215)	2:292:B:HIS:HE1	2:159:B:LYS:HE2	5	0.38
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	15	0.37
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	15	0.37
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	15	0.37
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	15	0.37
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	15	0.37
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	15	0.37
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	14	0.37
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	14	0.37
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	14	0.37
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD21	16	0.37
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD22	16	0.37
(1,3884)	2:279:B:LEU:HD21	1:213:A:LEU:HD23	16	0.37
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD21	16	0.37
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD22	16	0.37
(1,3884)	2:279:B:LEU:HD22	1:213:A:LEU:HD23	16	0.37
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD21	16	0.37
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD22	16	0.37
(1,3884)	2:279:B:LEU:HD23	1:213:A:LEU:HD23	16	0.37
(1,3862)	2:320:B:ARG:HD3	2:323:B:VAL:HG11	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3862)	2:320:B:ARG:HD3	2:323:B:VAL:HG12	19	0.37
(1,3862)	2:320:B:ARG:HD3	2:323:B:VAL:HG13	19	0.37
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD21	14	0.37
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD22	14	0.37
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD23	14	0.37
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD21	14	0.37
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD22	14	0.37
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD23	14	0.37
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD21	14	0.37
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD22	14	0.37
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD23	14	0.37
(1,3813)	2:274:B:LEU:HA	2:284:B:LEU:HD21	17	0.37
(1,3813)	2:274:B:LEU:HA	2:284:B:LEU:HD22	17	0.37
(1,3813)	2:274:B:LEU:HA	2:284:B:LEU:HD23	17	0.37
(1,3786)	2:263:B:LEU:HD21	2:193:B:ILE:HG21	3	0.37
(1,3786)	2:263:B:LEU:HD21	2:193:B:ILE:HG22	3	0.37
(1,3786)	2:263:B:LEU:HD21	2:193:B:ILE:HG23	3	0.37
(1,3786)	2:263:B:LEU:HD22	2:193:B:ILE:HG21	3	0.37
(1,3786)	2:263:B:LEU:HD22	2:193:B:ILE:HG22	3	0.37
(1,3786)	2:263:B:LEU:HD22	2:193:B:ILE:HG23	3	0.37
(1,3786)	2:263:B:LEU:HD23	2:193:B:ILE:HG21	3	0.37
(1,3786)	2:263:B:LEU:HD23	2:193:B:ILE:HG22	3	0.37
(1,3786)	2:263:B:LEU:HD23	2:193:B:ILE:HG23	3	0.37
(1,3786)	2:263:B:LEU:HD21	2:193:B:ILE:HG21	5	0.37
(1,3786)	2:263:B:LEU:HD21	2:193:B:ILE:HG22	5	0.37
(1,3786)	2:263:B:LEU:HD21	2:193:B:ILE:HG23	5	0.37
(1,3786)	2:263:B:LEU:HD22	2:193:B:ILE:HG21	5	0.37
(1,3786)	2:263:B:LEU:HD22	2:193:B:ILE:HG22	5	0.37
(1,3786)	2:263:B:LEU:HD22	2:193:B:ILE:HG23	5	0.37
(1,3786)	2:263:B:LEU:HD23	2:193:B:ILE:HG21	5	0.37
(1,3786)	2:263:B:LEU:HD23	2:193:B:ILE:HG22	5	0.37
(1,3786)	2:263:B:LEU:HD23	2:193:B:ILE:HG23	5	0.37
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB1	16	0.37
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB2	16	0.37
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB3	16	0.37
(1,3719)	2:190:B:VAL:HG11	2:218:B:VAL:HA	16	0.37
(1,3719)	2:190:B:VAL:HG12	2:218:B:VAL:HA	16	0.37
(1,3719)	2:190:B:VAL:HG13	2:218:B:VAL:HA	16	0.37
(1,3652)	2:175:B:ILE:HG21	2:176:B:THR:HG21	3	0.37
(1,3652)	2:175:B:ILE:HG21	2:176:B:THR:HG22	3	0.37
(1,3652)	2:175:B:ILE:HG21	2:176:B:THR:HG23	3	0.37
(1,3652)	2:175:B:ILE:HG22	2:176:B:THR:HG21	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3652)	2:175:B:ILE:HG22	2:176:B:THR:HG22	3	0.37
(1,3652)	2:175:B:ILE:HG22	2:176:B:THR:HG23	3	0.37
(1,3652)	2:175:B:ILE:HG23	2:176:B:THR:HG21	3	0.37
(1,3652)	2:175:B:ILE:HG23	2:176:B:THR:HG22	3	0.37
(1,3652)	2:175:B:ILE:HG23	2:176:B:THR:HG23	3	0.37
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD21	10	0.37
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD22	10	0.37
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD23	10	0.37
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD21	11	0.37
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD22	11	0.37
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD23	11	0.37
(1,3463)	1:228:A:PRO:HD3	1:227:A:LEU:HD21	8	0.37
(1,3463)	1:228:A:PRO:HD3	1:227:A:LEU:HD22	8	0.37
(1,3463)	1:228:A:PRO:HD3	1:227:A:LEU:HD23	8	0.37
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	17	0.37
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	17	0.37
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	17	0.37
(1,2347)	2:273:B:MET:HG2	2:273:B:MET:H	13	0.37
(1,2319)	2:158:B:VAL:HG21	2:270:B:ILE:H	1	0.37
(1,2319)	2:158:B:VAL:HG22	2:270:B:ILE:H	1	0.37
(1,2319)	2:158:B:VAL:HG23	2:270:B:ILE:H	1	0.37
(1,2255)	2:256:B:GLN:HG2	2:256:B:GLN:H	7	0.37
(1,2255)	2:256:B:GLN:HG2	2:256:B:GLN:H	11	0.37
(1,1907)	2:204:B:ARG:HG2	2:204:B:ARG:H	18	0.37
(1,1832)	2:195:B:GLU:HG2	2:196:B:ASP:H	20	0.37
(1,1760)	2:245:B:ILE:HD11	2:186:B:ALA:H	19	0.37
(1,1760)	2:245:B:ILE:HD12	2:186:B:ALA:H	19	0.37
(1,1760)	2:245:B:ILE:HD13	2:186:B:ALA:H	19	0.37
(1,1712)	2:174:B:LEU:HD11	2:180:B:GLN:HE21	4	0.37
(1,1712)	2:174:B:LEU:HD12	2:180:B:GLN:HE21	4	0.37
(1,1712)	2:174:B:LEU:HD13	2:180:B:GLN:HE21	4	0.37
(1,1567)	2:157:B:LYS:HG3	2:157:B:LYS:H	10	0.37
(1,1553)	2:274:B:LEU:HB2	2:156:B:VAL:H	11	0.37
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG11	7	0.37
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG12	7	0.37
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG13	7	0.37
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG11	7	0.37
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG12	7	0.37
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG13	7	0.37
(1,759)	2:253:B:PRO:HG2	2:256:B:GLN:HG3	10	0.37
(1,623)	2:236:B:LYS:HB3	2:236:B:LYS:HE2	7	0.37
(1,537)	2:294:B:PHE:HE1	2:221:B:ILE:HG12	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	2:294:B:PHE:HE2	2:221:B:ILE:HG12	5	0.37
(1,497)	2:211:B:GLU:HG3	2:211:B:GLU:HA	16	0.37
(1,477)	2:204:B:ARG:HA	2:204:B:ARG:HD2	7	0.37
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE3	11	0.37
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE3	17	0.37
(1,325)	2:319:B:HIS:HE1	2:179:B:LYS:HE2	13	0.37
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD11	13	0.36
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD12	13	0.36
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD13	13	0.36
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD11	7	0.36
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD12	7	0.36
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD13	7	0.36
(1,3966)	2:267:B:PHE:HZ	2:263:B:LEU:HD21	6	0.36
(1,3966)	2:267:B:PHE:HZ	2:263:B:LEU:HD22	6	0.36
(1,3966)	2:267:B:PHE:HZ	2:263:B:LEU:HD23	6	0.36
(1,3952)	2:182:B:PHE:HZ	2:184:B:LEU:HB2	11	0.36
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD21	20	0.36
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD22	20	0.36
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD23	20	0.36
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD21	20	0.36
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD22	20	0.36
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD23	20	0.36
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD21	20	0.36
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD22	20	0.36
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD23	20	0.36
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD11	15	0.36
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD12	15	0.36
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD13	15	0.36
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD11	15	0.36
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD12	15	0.36
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD13	15	0.36
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD11	15	0.36
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD12	15	0.36
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD13	15	0.36
(1,3893)	2:231:B:THR:HB	1:222:A:PRO:HB2	16	0.36
(1,3866)	2:213:B:ALA:HA	1:203:A:GLN:HG3	17	0.36
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD11	16	0.36
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD12	16	0.36
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD13	16	0.36
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD21	10	0.36
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD22	10	0.36
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD23	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3743)	2:236:B:LYS:HA	2:236:B:LYS:HD3	18	0.36
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG21	12	0.36
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG22	12	0.36
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG23	12	0.36
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD21	15	0.36
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD22	15	0.36
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD23	15	0.36
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD21	15	0.36
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD22	15	0.36
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD23	15	0.36
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD21	15	0.36
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD22	15	0.36
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD23	15	0.36
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD21	1	0.36
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD22	1	0.36
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD23	1	0.36
(1,3117)	1:209:A:PRO:HD2	1:206:A:LEU:HD11	4	0.36
(1,3117)	1:209:A:PRO:HD2	1:206:A:LEU:HD12	4	0.36
(1,3117)	1:209:A:PRO:HD2	1:206:A:LEU:HD13	4	0.36
(1,2762)	1:203:A:GLN:HB2	1:203:A:GLN:H	16	0.36
(1,2744)	1:234:A:THR:HB	1:224:A:GLN:HE21	16	0.36
(1,2738)	2:320:B:ARG:HG2	2:323:B:VAL:H	19	0.36
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	3	0.36
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	3	0.36
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	3	0.36
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	13	0.36
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	13	0.36
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	13	0.36
(1,2449)	2:257:B:VAL:HG11	2:256:B:GLN:H	9	0.36
(1,2449)	2:257:B:VAL:HG12	2:256:B:GLN:H	9	0.36
(1,2449)	2:257:B:VAL:HG13	2:256:B:GLN:H	9	0.36
(1,2092)	2:233:B:LEU:HB2	2:234:B:LEU:H	13	0.36
(1,1554)	2:155:B:GLU:HG2	2:156:B:VAL:H	17	0.36
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD21	14	0.36
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD22	14	0.36
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD23	14	0.36
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD21	14	0.36
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD22	14	0.36
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD23	14	0.36
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD21	14	0.36
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD22	14	0.36
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD23	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1142)	2:320:B:ARG:HB3	2:320:B:ARG:HD3	8	0.36
(1,915)	2:281:B:GLU:HA	2:281:B:GLU:HG2	11	0.36
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	13	0.36
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	13	0.36
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	13	0.36
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	13	0.36
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	13	0.36
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	13	0.36
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD21	6	0.36
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD22	6	0.36
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD23	6	0.36
(1,477)	2:204:B:ARG:HA	2:204:B:ARG:HD2	19	0.36
(1,240)	2:302:B:SER:HB2	2:164:B:LEU:HD21	16	0.36
(1,240)	2:302:B:SER:HB2	2:164:B:LEU:HD22	16	0.36
(1,240)	2:302:B:SER:HB2	2:164:B:LEU:HD23	16	0.36
(1,212)	2:159:B:LYS:HA	2:159:B:LYS:HE2	4	0.36
(1,193)	2:267:B:PHE:HB3	2:158:B:VAL:HG11	10	0.36
(1,193)	2:267:B:PHE:HB3	2:158:B:VAL:HG12	10	0.36
(1,193)	2:267:B:PHE:HB3	2:158:B:VAL:HG13	10	0.36
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG21	11	0.36
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG22	11	0.36
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG23	11	0.36
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	8	0.35
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	8	0.35
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	8	0.35
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	11	0.35
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	11	0.35
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	11	0.35
(1,3606)	1:216:A:ALA:HB1	2:277:B:THR:HG21	4	0.35
(1,3606)	1:216:A:ALA:HB1	2:277:B:THR:HG22	4	0.35
(1,3606)	1:216:A:ALA:HB1	2:277:B:THR:HG23	4	0.35
(1,3606)	1:216:A:ALA:HB2	2:277:B:THR:HG21	4	0.35
(1,3606)	1:216:A:ALA:HB2	2:277:B:THR:HG22	4	0.35
(1,3606)	1:216:A:ALA:HB2	2:277:B:THR:HG23	4	0.35
(1,3606)	1:216:A:ALA:HB3	2:277:B:THR:HG21	4	0.35
(1,3606)	1:216:A:ALA:HB3	2:277:B:THR:HG22	4	0.35
(1,3606)	1:216:A:ALA:HB3	2:277:B:THR:HG23	4	0.35
(1,3515)	1:230:A:GLU:HG3	1:231:A:LEU:HG	13	0.35
(1,3463)	1:228:A:PRO:HD3	1:227:A:LEU:HD21	20	0.35
(1,3463)	1:228:A:PRO:HD3	1:227:A:LEU:HD22	20	0.35
(1,3463)	1:228:A:PRO:HD3	1:227:A:LEU:HD23	20	0.35
(1,3069)	1:201:A:TYR:HE1	1:203:A:GLN:HG2	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3069)	1:201:A:TYR:HE2	1:203:A:GLN:HG2	13	0.35
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	3	0.35
(1,2952)	1:231:A:LEU:HB3	1:231:A:LEU:H	13	0.35
(1,2934)	1:227:A:LEU:HG	1:227:A:LEU:H	14	0.35
(1,2673)	2:312:B:GLU:HG3	2:312:B:GLU:H	4	0.35
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	6	0.35
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	6	0.35
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	6	0.35
(1,2439)	2:279:B:LEU:HD21	2:284:B:LEU:H	11	0.35
(1,2439)	2:279:B:LEU:HD22	2:284:B:LEU:H	11	0.35
(1,2439)	2:279:B:LEU:HD23	2:284:B:LEU:H	11	0.35
(1,1999)	2:222:B:LYS:HG3	2:223:B:GLU:H	19	0.35
(1,1914)	2:209:B:ASN:HB2	2:209:B:ASN:HD21	5	0.35
(1,1907)	2:204:B:ARG:HG3	2:204:B:ARG:H	5	0.35
(1,1716)	2:174:B:LEU:HD11	2:180:B:GLN:HE22	2	0.35
(1,1716)	2:174:B:LEU:HD12	2:180:B:GLN:HE22	2	0.35
(1,1716)	2:174:B:LEU:HD13	2:180:B:GLN:HE22	2	0.35
(1,1712)	2:174:B:LEU:HD11	2:180:B:GLN:HE21	9	0.35
(1,1712)	2:174:B:LEU:HD12	2:180:B:GLN:HE21	9	0.35
(1,1712)	2:174:B:LEU:HD13	2:180:B:GLN:HE21	9	0.35
(1,1549)	2:156:B:VAL:HG11	2:155:B:GLU:H	7	0.35
(1,1549)	2:156:B:VAL:HG12	2:155:B:GLU:H	7	0.35
(1,1549)	2:156:B:VAL:HG13	2:155:B:GLU:H	7	0.35
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD21	12	0.35
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD22	12	0.35
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD23	12	0.35
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD21	4	0.35
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD22	4	0.35
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD23	4	0.35
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD21	4	0.35
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD22	4	0.35
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD23	4	0.35
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD21	4	0.35
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD22	4	0.35
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD23	4	0.35
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	15	0.35
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	15	0.35
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	15	0.35
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	15	0.35
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	15	0.35
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	15	0.35
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	15	0.35
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	15	0.35
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD21	13	0.35
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD22	13	0.35
(1,1003)	2:288:B:LEU:HA	2:291:B:LEU:HD23	13	0.35
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	2	0.35
(1,587)	2:234:B:LEU:HD11	2:229:B:LEU:HD21	1	0.35
(1,587)	2:234:B:LEU:HD11	2:229:B:LEU:HD22	1	0.35
(1,587)	2:234:B:LEU:HD11	2:229:B:LEU:HD23	1	0.35
(1,587)	2:234:B:LEU:HD12	2:229:B:LEU:HD21	1	0.35
(1,587)	2:234:B:LEU:HD12	2:229:B:LEU:HD22	1	0.35
(1,587)	2:234:B:LEU:HD12	2:229:B:LEU:HD23	1	0.35
(1,587)	2:234:B:LEU:HD13	2:229:B:LEU:HD21	1	0.35
(1,587)	2:234:B:LEU:HD13	2:229:B:LEU:HD22	1	0.35
(1,587)	2:234:B:LEU:HD13	2:229:B:LEU:HD23	1	0.35
(1,455)	2:201:B:ARG:HD2	2:201:B:ARG:HA	3	0.35
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB1	20	0.35
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB2	20	0.35
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB3	20	0.35
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD21	13	0.35
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD22	13	0.35
(1,264)	2:167:B:TRP:HZ3	2:174:B:LEU:HD23	13	0.35
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD21	13	0.35
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD22	13	0.35
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD23	13	0.35
(1,212)	2:159:B:LYS:HA	2:159:B:LYS:HE2	6	0.35
(1,212)	2:159:B:LYS:HA	2:159:B:LYS:HE2	19	0.35
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD11	13	0.35
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD12	13	0.35
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD13	13	0.35
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG21	2	0.35
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG22	2	0.35
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG23	2	0.35
(1,3980)	2:212:B:TYR:HE1	2:286:B:LEU:HD21	6	0.34
(1,3980)	2:212:B:TYR:HE1	2:286:B:LEU:HD22	6	0.34
(1,3980)	2:212:B:TYR:HE1	2:286:B:LEU:HD23	6	0.34
(1,3980)	2:212:B:TYR:HE2	2:286:B:LEU:HD21	6	0.34
(1,3980)	2:212:B:TYR:HE2	2:286:B:LEU:HD22	6	0.34
(1,3980)	2:212:B:TYR:HE2	2:286:B:LEU:HD23	6	0.34
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD11	15	0.34
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD12	15	0.34
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD13	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD11	8	0.34
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD12	8	0.34
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD13	8	0.34
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD11	8	0.34
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD12	8	0.34
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD13	8	0.34
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB1	4	0.34
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB2	4	0.34
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB3	4	0.34
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB1	4	0.34
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB2	4	0.34
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB3	4	0.34
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB1	4	0.34
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB2	4	0.34
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB3	4	0.34
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE1	13	0.34
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE2	13	0.34
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE3	13	0.34
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB1	5	0.34
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB2	5	0.34
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB3	5	0.34
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB1	6	0.34
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB2	6	0.34
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB3	6	0.34
(1,3719)	2:221:B:ILE:HD11	2:218:B:VAL:HA	12	0.34
(1,3719)	2:221:B:ILE:HD12	2:218:B:VAL:HA	12	0.34
(1,3719)	2:221:B:ILE:HD13	2:218:B:VAL:HA	12	0.34
(1,3681)	2:193:B:ILE:HD11	2:188:B:LYS:HE3	6	0.34
(1,3681)	2:193:B:ILE:HD12	2:188:B:LYS:HE3	6	0.34
(1,3681)	2:193:B:ILE:HD13	2:188:B:LYS:HE3	6	0.34
(1,3341)	1:219:A:GLU:HA	1:219:A:GLU:HG2	12	0.34
(1,3106)	1:205:A:GLN:HA	1:205:A:GLN:HG2	11	0.34
(1,3106)	1:205:A:GLN:HA	1:205:A:GLN:HG2	14	0.34
(1,3098)	1:205:A:GLN:HG3	1:205:A:GLN:HA	5	0.34
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	14	0.34
(1,2930)	1:226:A:GLN:HB2	1:226:A:GLN:H	8	0.34
(1,2930)	1:226:A:GLN:HB2	1:226:A:GLN:H	14	0.34
(1,2930)	1:226:A:GLN:HB2	1:226:A:GLN:H	20	0.34
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	8	0.34
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	8	0.34
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	8	0.34
(1,2255)	2:253:B:PRO:HB3	2:256:B:GLN:H	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1907)	2:204:B:ARG:HG3	2:204:B:ARG:H	11	0.34
(1,1488)	2:292:B:HIS:HE1	2:288:B:LEU:HD21	17	0.34
(1,1488)	2:292:B:HIS:HE1	2:288:B:LEU:HD22	17	0.34
(1,1488)	2:292:B:HIS:HE1	2:288:B:LEU:HD23	17	0.34
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD21	16	0.34
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD22	16	0.34
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD23	16	0.34
(1,1215)	2:287:B:LEU:HA	1:206:A:LEU:HD11	4	0.34
(1,1215)	2:287:B:LEU:HA	1:206:A:LEU:HD12	4	0.34
(1,1215)	2:287:B:LEU:HA	1:206:A:LEU:HD13	4	0.34
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG2	1	0.34
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG2	1	0.34
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG2	1	0.34
(1,1206)	2:213:B:ALA:HB1	1:203:A:GLN:HG3	3	0.34
(1,1206)	2:213:B:ALA:HB2	1:203:A:GLN:HG3	3	0.34
(1,1206)	2:213:B:ALA:HB3	1:203:A:GLN:HG3	3	0.34
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG11	11	0.34
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG12	11	0.34
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG13	11	0.34
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG11	11	0.34
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG12	11	0.34
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG13	11	0.34
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	1	0.34
(1,765)	2:184:B:LEU:HD11	2:257:B:VAL:HG11	18	0.34
(1,765)	2:184:B:LEU:HD11	2:257:B:VAL:HG12	18	0.34
(1,765)	2:184:B:LEU:HD11	2:257:B:VAL:HG13	18	0.34
(1,765)	2:184:B:LEU:HD12	2:257:B:VAL:HG11	18	0.34
(1,765)	2:184:B:LEU:HD12	2:257:B:VAL:HG12	18	0.34
(1,765)	2:184:B:LEU:HD12	2:257:B:VAL:HG13	18	0.34
(1,765)	2:184:B:LEU:HD13	2:257:B:VAL:HG11	18	0.34
(1,765)	2:184:B:LEU:HD13	2:257:B:VAL:HG12	18	0.34
(1,765)	2:184:B:LEU:HD13	2:257:B:VAL:HG13	18	0.34
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD21	4	0.34
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD22	4	0.34
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD23	4	0.34
(1,497)	2:211:B:GLU:HG3	2:211:B:GLU:HA	13	0.34
(1,477)	2:204:B:ARG:HA	2:204:B:ARG:HD2	4	0.34
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE3	3	0.34
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE3	5	0.34
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE3	7	0.34
(1,376)	2:187:B:LYS:HB3	2:187:B:LYS:HE3	18	0.34
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD21	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD22	6	0.34
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD23	6	0.34
(1,337)	2:241:B:GLN:HG2	2:181:B:LEU:HD21	20	0.34
(1,337)	2:241:B:GLN:HG2	2:181:B:LEU:HD22	20	0.34
(1,337)	2:241:B:GLN:HG2	2:181:B:LEU:HD23	20	0.34
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD11	20	0.34
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD12	20	0.34
(1,259)	2:180:B:GLN:HB2	2:174:B:LEU:HD13	20	0.34
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD11	2	0.34
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD12	2	0.34
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD13	2	0.34
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD11	2	0.34
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD12	2	0.34
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD13	2	0.34
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD11	2	0.34
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD12	2	0.34
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD13	2	0.34
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD11	9	0.34
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD12	9	0.34
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD13	9	0.34
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD11	9	0.34
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD12	9	0.34
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD13	9	0.34
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD11	9	0.34
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD12	9	0.34
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD13	9	0.34
(1,215)	2:292:B:HIS:HE1	2:159:B:LYS:HE2	9	0.34
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	14	0.33
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	14	0.33
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	14	0.33
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	14	0.33
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	14	0.33
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	14	0.33
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	5	0.33
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	5	0.33
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	5	0.33
(1,3743)	2:296:B:LYS:HA	2:296:B:LYS:HD3	20	0.33
(1,3104)	1:209:A:PRO:HD3	1:205:A:GLN:HG3	3	0.33
(1,3068)	1:201:A:TYR:HD1	1:203:A:GLN:HG3	18	0.33
(1,3068)	1:201:A:TYR:HD2	1:203:A:GLN:HG3	18	0.33
(1,3002)	1:211:A:GLU:HG3	1:207:A:ARG:HD3	14	0.33
(1,2930)	1:226:A:GLN:HB2	1:226:A:GLN:H	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2725)	2:301:B:ASN:HB2	2:302:B:SER:H	8	0.33
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	2	0.33
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	2	0.33
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	2	0.33
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	9	0.33
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	9	0.33
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	9	0.33
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	19	0.33
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	19	0.33
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	19	0.33
(1,2449)	2:284:B:LEU:HD11	2:285:B:ALA:H	10	0.33
(1,2449)	2:284:B:LEU:HD12	2:285:B:ALA:H	10	0.33
(1,2449)	2:284:B:LEU:HD13	2:285:B:ALA:H	10	0.33
(1,2449)	2:284:B:LEU:HD11	2:285:B:ALA:H	13	0.33
(1,2449)	2:284:B:LEU:HD12	2:285:B:ALA:H	13	0.33
(1,2449)	2:284:B:LEU:HD13	2:285:B:ALA:H	13	0.33
(1,2449)	2:284:B:LEU:HD11	2:285:B:ALA:H	20	0.33
(1,2449)	2:284:B:LEU:HD12	2:285:B:ALA:H	20	0.33
(1,2449)	2:284:B:LEU:HD13	2:285:B:ALA:H	20	0.33
(1,1759)	2:257:B:VAL:HA	2:186:B:ALA:H	20	0.33
(1,1690)	2:174:B:LEU:HD11	2:178:B:GLN:HE22	2	0.33
(1,1690)	2:174:B:LEU:HD12	2:178:B:GLN:HE22	2	0.33
(1,1690)	2:174:B:LEU:HD13	2:178:B:GLN:HE22	2	0.33
(1,1554)	2:155:B:GLU:HG2	2:156:B:VAL:H	3	0.33
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD2	9	0.33
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	19	0.33
(1,839)	2:291:B:LEU:HD21	2:270:B:ILE:HD11	12	0.33
(1,839)	2:291:B:LEU:HD21	2:270:B:ILE:HD12	12	0.33
(1,839)	2:291:B:LEU:HD21	2:270:B:ILE:HD13	12	0.33
(1,839)	2:291:B:LEU:HD22	2:270:B:ILE:HD11	12	0.33
(1,839)	2:291:B:LEU:HD22	2:270:B:ILE:HD12	12	0.33
(1,839)	2:291:B:LEU:HD22	2:270:B:ILE:HD13	12	0.33
(1,839)	2:291:B:LEU:HD23	2:270:B:ILE:HD11	12	0.33
(1,839)	2:291:B:LEU:HD23	2:270:B:ILE:HD12	12	0.33
(1,839)	2:291:B:LEU:HD23	2:270:B:ILE:HD13	12	0.33
(1,765)	2:184:B:LEU:HD11	2:257:B:VAL:HG11	1	0.33
(1,765)	2:184:B:LEU:HD11	2:257:B:VAL:HG12	1	0.33
(1,765)	2:184:B:LEU:HD11	2:257:B:VAL:HG13	1	0.33
(1,765)	2:184:B:LEU:HD12	2:257:B:VAL:HG11	1	0.33
(1,765)	2:184:B:LEU:HD12	2:257:B:VAL:HG12	1	0.33
(1,765)	2:184:B:LEU:HD12	2:257:B:VAL:HG13	1	0.33
(1,765)	2:184:B:LEU:HD13	2:257:B:VAL:HG11	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	2:184:B:LEU:HD13	2:257:B:VAL:HG12	1	0.33
(1,765)	2:184:B:LEU:HD13	2:257:B:VAL:HG13	1	0.33
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG21	10	0.33
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG22	10	0.33
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG23	10	0.33
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG21	10	0.33
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG22	10	0.33
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG23	10	0.33
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG21	10	0.33
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG22	10	0.33
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG23	10	0.33
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE3	10	0.33
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB1	2	0.33
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB2	2	0.33
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB3	2	0.33
(1,215)	2:292:B:HIS:HE1	2:159:B:LYS:HE3	15	0.33
(1,3974)	2:294:B:PHE:HZ	2:263:B:LEU:HD11	2	0.32
(1,3974)	2:294:B:PHE:HZ	2:263:B:LEU:HD12	2	0.32
(1,3974)	2:294:B:PHE:HZ	2:263:B:LEU:HD13	2	0.32
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	18	0.32
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	18	0.32
(1,3952)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	18	0.32
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	18	0.32
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	18	0.32
(1,3952)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	18	0.32
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG11	15	0.32
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG12	15	0.32
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG13	15	0.32
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG11	15	0.32
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG12	15	0.32
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG13	15	0.32
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	19	0.32
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	19	0.32
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	19	0.32
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	19	0.32
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	19	0.32
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	19	0.32
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	11	0.32
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	11	0.32
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	11	0.32
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD21	6	0.32
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD22	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD23	6	0.32
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD21	6	0.32
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD22	6	0.32
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD23	6	0.32
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD21	6	0.32
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD22	6	0.32
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD23	6	0.32
(1,3863)	2:320:B:ARG:HA	2:323:B:VAL:HG21	2	0.32
(1,3863)	2:320:B:ARG:HA	2:323:B:VAL:HG22	2	0.32
(1,3863)	2:320:B:ARG:HA	2:323:B:VAL:HG23	2	0.32
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE1	1	0.32
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE2	1	0.32
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE3	1	0.32
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE1	18	0.32
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE2	18	0.32
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE3	18	0.32
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG21	10	0.32
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG22	10	0.32
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG23	10	0.32
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB1	3	0.32
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB2	3	0.32
(1,3764)	2:256:B:GLN:HG3	2:252:B:ALA:HB3	3	0.32
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB1	8	0.32
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB2	8	0.32
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB3	8	0.32
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD21	13	0.32
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD22	13	0.32
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD23	13	0.32
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD21	18	0.32
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD22	18	0.32
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD23	18	0.32
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD11	9	0.32
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD12	9	0.32
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD13	9	0.32
(1,3743)	2:296:B:LYS:HA	2:296:B:LYS:HD3	4	0.32
(1,3719)	2:221:B:ILE:HD11	2:218:B:VAL:HA	17	0.32
(1,3719)	2:221:B:ILE:HD12	2:218:B:VAL:HA	17	0.32
(1,3719)	2:221:B:ILE:HD13	2:218:B:VAL:HA	17	0.32
(1,3703)	2:204:B:ARG:HG2	2:201:B:ARG:HA	16	0.32
(1,3681)	2:305:B:LEU:HD11	2:188:B:LYS:HE3	14	0.32
(1,3681)	2:305:B:LEU:HD12	2:188:B:LYS:HE3	14	0.32
(1,3681)	2:305:B:LEU:HD13	2:188:B:LYS:HE3	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3649)	2:238:B:GLU:HB2	2:175:B:ILE:HG21	17	0.32
(1,3649)	2:238:B:GLU:HB2	2:175:B:ILE:HG22	17	0.32
(1,3649)	2:238:B:GLU:HB2	2:175:B:ILE:HG23	17	0.32
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG11	17	0.32
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG12	17	0.32
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG13	17	0.32
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	14	0.32
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	14	0.32
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	14	0.32
(1,3523)	1:228:A:PRO:HB2	1:231:A:LEU:HD11	7	0.32
(1,3523)	1:228:A:PRO:HB2	1:231:A:LEU:HD12	7	0.32
(1,3523)	1:228:A:PRO:HB2	1:231:A:LEU:HD13	7	0.32
(1,3503)	1:231:A:LEU:HD21	1:230:A:GLU:HG3	16	0.32
(1,3503)	1:231:A:LEU:HD22	1:230:A:GLU:HG3	16	0.32
(1,3503)	1:231:A:LEU:HD23	1:230:A:GLU:HG3	16	0.32
(1,3289)	1:220:A:ARG:HD3	1:217:A:ALA:HB1	2	0.32
(1,3289)	1:220:A:ARG:HD3	1:217:A:ALA:HB2	2	0.32
(1,3289)	1:220:A:ARG:HD3	1:217:A:ALA:HB3	2	0.32
(1,3283)	1:213:A:LEU:HD11	1:216:A:ALA:HB1	11	0.32
(1,3283)	1:213:A:LEU:HD11	1:216:A:ALA:HB2	11	0.32
(1,3283)	1:213:A:LEU:HD11	1:216:A:ALA:HB3	11	0.32
(1,3283)	1:213:A:LEU:HD12	1:216:A:ALA:HB1	11	0.32
(1,3283)	1:213:A:LEU:HD12	1:216:A:ALA:HB2	11	0.32
(1,3283)	1:213:A:LEU:HD12	1:216:A:ALA:HB3	11	0.32
(1,3283)	1:213:A:LEU:HD13	1:216:A:ALA:HB1	11	0.32
(1,3283)	1:213:A:LEU:HD13	1:216:A:ALA:HB2	11	0.32
(1,3283)	1:213:A:LEU:HD13	1:216:A:ALA:HB3	11	0.32
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB1	8	0.32
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB2	8	0.32
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB3	8	0.32
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	10	0.32
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	10	0.32
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	10	0.32
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	2	0.32
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	2	0.32
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	2	0.32
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	5	0.32
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	5	0.32
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	5	0.32
(1,2481)	2:288:B:LEU:HG	2:288:B:LEU:H	12	0.32
(1,2458)	2:286:B:LEU:HB3	2:286:B:LEU:H	12	0.32
(1,2239)	2:226:B:ASN:HD22	2:255:B:SER:H	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2092)	2:233:B:LEU:HB2	2:234:B:LEU:H	8	0.32
(1,2092)	2:233:B:LEU:HB2	2:234:B:LEU:H	16	0.32
(1,1791)	2:190:B:VAL:HB	2:191:B:ASP:H	5	0.32
(1,1554)	2:155:B:GLU:HG2	2:156:B:VAL:H	18	0.32
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	5	0.32
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	5	0.32
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	5	0.32
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	12	0.32
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	12	0.32
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	12	0.32
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	20	0.32
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	20	0.32
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	20	0.32
(1,1423)	2:237:B:PHE:HD1	2:181:B:LEU:HD11	6	0.32
(1,1423)	2:237:B:PHE:HD1	2:181:B:LEU:HD12	6	0.32
(1,1423)	2:237:B:PHE:HD1	2:181:B:LEU:HD13	6	0.32
(1,1423)	2:237:B:PHE:HD2	2:181:B:LEU:HD11	6	0.32
(1,1423)	2:237:B:PHE:HD2	2:181:B:LEU:HD12	6	0.32
(1,1423)	2:237:B:PHE:HD2	2:181:B:LEU:HD13	6	0.32
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD21	7	0.32
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD22	7	0.32
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD23	7	0.32
(1,1010)	2:296:B:LYS:HE2	2:293:B:ASP:HA	19	0.32
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	18	0.32
(1,798)	2:267:B:PHE:HD1	2:264:B:LEU:HD11	3	0.32
(1,798)	2:267:B:PHE:HD1	2:264:B:LEU:HD12	3	0.32
(1,798)	2:267:B:PHE:HD1	2:264:B:LEU:HD13	3	0.32
(1,798)	2:267:B:PHE:HD2	2:264:B:LEU:HD11	3	0.32
(1,798)	2:267:B:PHE:HD2	2:264:B:LEU:HD12	3	0.32
(1,798)	2:267:B:PHE:HD2	2:264:B:LEU:HD13	3	0.32
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB1	3	0.32
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB2	3	0.32
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB3	3	0.32
(1,348)	2:258:B:TYR:HE1	2:184:B:LEU:HD11	4	0.32
(1,348)	2:258:B:TYR:HE1	2:184:B:LEU:HD12	4	0.32
(1,348)	2:258:B:TYR:HE1	2:184:B:LEU:HD13	4	0.32
(1,348)	2:258:B:TYR:HE2	2:184:B:LEU:HD11	4	0.32
(1,348)	2:258:B:TYR:HE2	2:184:B:LEU:HD12	4	0.32
(1,348)	2:258:B:TYR:HE2	2:184:B:LEU:HD13	4	0.32
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD11	15	0.32
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD12	15	0.32
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD13	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD11	12	0.31
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD12	12	0.31
(1,3969)	2:292:B:HIS:HE1	2:288:B:LEU:HD13	12	0.31
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD21	8	0.31
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD22	8	0.31
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD23	8	0.31
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD21	8	0.31
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD22	8	0.31
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD23	8	0.31
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD21	8	0.31
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD22	8	0.31
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD23	8	0.31
(1,3897)	2:268:B:VAL:HG21	1:227:A:LEU:HD11	1	0.31
(1,3897)	2:268:B:VAL:HG21	1:227:A:LEU:HD12	1	0.31
(1,3897)	2:268:B:VAL:HG21	1:227:A:LEU:HD13	1	0.31
(1,3897)	2:268:B:VAL:HG22	1:227:A:LEU:HD11	1	0.31
(1,3897)	2:268:B:VAL:HG22	1:227:A:LEU:HD12	1	0.31
(1,3897)	2:268:B:VAL:HG22	1:227:A:LEU:HD13	1	0.31
(1,3897)	2:268:B:VAL:HG23	1:227:A:LEU:HD11	1	0.31
(1,3897)	2:268:B:VAL:HG23	1:227:A:LEU:HD12	1	0.31
(1,3897)	2:268:B:VAL:HG23	1:227:A:LEU:HD13	1	0.31
(1,3877)	2:277:B:THR:HG21	1:213:A:LEU:HG	17	0.31
(1,3877)	2:277:B:THR:HG22	1:213:A:LEU:HG	17	0.31
(1,3877)	2:277:B:THR:HG23	1:213:A:LEU:HG	17	0.31
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD21	2	0.31
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD22	2	0.31
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD23	2	0.31
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB1	1	0.31
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB2	1	0.31
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB3	1	0.31
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB1	1	0.31
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB2	1	0.31
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB3	1	0.31
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB1	1	0.31
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB2	1	0.31
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB3	1	0.31
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB1	16	0.31
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB2	16	0.31
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB3	16	0.31
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB1	16	0.31
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB2	16	0.31
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB3	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB1	16	0.31
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB2	16	0.31
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB3	16	0.31
(1,3743)	2:296:B:LYS:HA	2:296:B:LYS:HD3	5	0.31
(1,3743)	2:296:B:LYS:HA	2:296:B:LYS:HD3	16	0.31
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD21	10	0.31
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD22	10	0.31
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD23	10	0.31
(1,3597)	1:232:A:THR:HA	2:169:B:VAL:HG11	4	0.31
(1,3597)	1:232:A:THR:HA	2:169:B:VAL:HG12	4	0.31
(1,3597)	1:232:A:THR:HA	2:169:B:VAL:HG13	4	0.31
(1,3486)	1:231:A:LEU:HD11	1:228:A:PRO:HG3	13	0.31
(1,3486)	1:231:A:LEU:HD12	1:228:A:PRO:HG3	13	0.31
(1,3486)	1:231:A:LEU:HD13	1:228:A:PRO:HG3	13	0.31
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB1	9	0.31
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB2	9	0.31
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB3	9	0.31
(1,3189)	1:207:A:ARG:HG3	1:211:A:GLU:HG3	14	0.31
(1,3098)	1:205:A:GLN:HG3	1:205:A:GLN:HA	6	0.31
(1,3098)	1:205:A:GLN:HG3	1:205:A:GLN:HA	12	0.31
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	5	0.31
(1,3000)	1:211:A:GLU:HB3	1:208:A:ARG:HD2	15	0.31
(1,2998)	1:207:A:ARG:HA	1:207:A:ARG:HG3	15	0.31
(1,2934)	1:227:A:LEU:HG	1:227:A:LEU:H	13	0.31
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	17	0.31
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	17	0.31
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	17	0.31
(1,2458)	2:286:B:LEU:HB3	2:286:B:LEU:H	15	0.31
(1,2458)	2:286:B:LEU:HB3	2:286:B:LEU:H	17	0.31
(1,2389)	2:284:B:LEU:HD11	2:279:B:LEU:H	12	0.31
(1,2389)	2:284:B:LEU:HD12	2:279:B:LEU:H	12	0.31
(1,2389)	2:284:B:LEU:HD13	2:279:B:LEU:H	12	0.31
(1,1999)	2:222:B:LYS:HG3	2:223:B:GLU:H	2	0.31
(1,1907)	2:204:B:ARG:HG2	2:204:B:ARG:H	16	0.31
(1,1599)	2:163:B:GLU:HG2	2:163:B:GLU:H	9	0.31
(1,1581)	2:159:B:LYS:HB3	2:160:B:ILE:H	15	0.31
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	19	0.31
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	19	0.31
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	19	0.31
(1,1514)	2:306:B:PHE:HZ	2:298:B:LEU:HD11	13	0.31
(1,1514)	2:306:B:PHE:HZ	2:298:B:LEU:HD12	13	0.31
(1,1514)	2:306:B:PHE:HZ	2:298:B:LEU:HD13	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	2:235:B:TYR:HE1	1:224:A:GLN:HG3	18	0.31
(1,1313)	2:235:B:TYR:HE2	1:224:A:GLN:HG3	18	0.31
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG3	19	0.31
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG3	19	0.31
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG3	19	0.31
(1,1168)	2:236:B:LYS:HE2	2:323:B:VAL:HG21	18	0.31
(1,1168)	2:236:B:LYS:HE2	2:323:B:VAL:HG22	18	0.31
(1,1168)	2:236:B:LYS:HE2	2:323:B:VAL:HG23	18	0.31
(1,930)	2:282:B:LYS:HD2	2:282:B:LYS:HG2	6	0.31
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	16	0.31
(1,759)	2:253:B:PRO:HG2	2:256:B:GLN:HG3	11	0.31
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD21	17	0.31
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD22	17	0.31
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD23	17	0.31
(1,444)	2:202:B:LYS:HE3	2:198:B:ALA:HB1	9	0.31
(1,444)	2:202:B:LYS:HE3	2:198:B:ALA:HB2	9	0.31
(1,444)	2:202:B:LYS:HE3	2:198:B:ALA:HB3	9	0.31
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE3	6	0.31
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD11	10	0.31
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD12	10	0.31
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD13	10	0.31
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD11	10	0.31
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD12	10	0.31
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD13	10	0.31
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD11	10	0.31
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD12	10	0.31
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD13	10	0.31
(1,212)	2:159:B:LYS:HA	2:159:B:LYS:HE3	11	0.31
(1,200)	2:159:B:LYS:HB2	2:159:B:LYS:HG3	18	0.31
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD21	2	0.31
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD22	2	0.31
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD23	2	0.31
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD21	2	0.31
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD22	2	0.31
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD23	2	0.31
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD21	2	0.31
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD22	2	0.31
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD23	2	0.31
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD21	11	0.31
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD22	11	0.31
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD23	11	0.31
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD21	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD22	11	0.31
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD23	11	0.31
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD21	11	0.31
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD22	11	0.31
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD23	11	0.31
(2,24)	1:220:A:ARG:HA	1:223:A:THR:H	7	0.3
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD11	20	0.3
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD12	20	0.3
(1,3862)	2:267:B:PHE:HB3	2:291:B:LEU:HD13	20	0.3
(1,3790)	2:270:B:ILE:HD11	2:273:B:MET:HE1	7	0.3
(1,3790)	2:270:B:ILE:HD11	2:273:B:MET:HE2	7	0.3
(1,3790)	2:270:B:ILE:HD11	2:273:B:MET:HE3	7	0.3
(1,3790)	2:270:B:ILE:HD12	2:273:B:MET:HE1	7	0.3
(1,3790)	2:270:B:ILE:HD12	2:273:B:MET:HE2	7	0.3
(1,3790)	2:270:B:ILE:HD12	2:273:B:MET:HE3	7	0.3
(1,3790)	2:270:B:ILE:HD13	2:273:B:MET:HE1	7	0.3
(1,3790)	2:270:B:ILE:HD13	2:273:B:MET:HE2	7	0.3
(1,3790)	2:270:B:ILE:HD13	2:273:B:MET:HE3	7	0.3
(1,3738)	2:269:B:ARG:HB2	2:233:B:LEU:HD21	18	0.3
(1,3738)	2:269:B:ARG:HB2	2:233:B:LEU:HD22	18	0.3
(1,3738)	2:269:B:ARG:HB2	2:233:B:LEU:HD23	18	0.3
(1,3698)	2:198:B:ALA:HB1	2:195:B:GLU:HG2	18	0.3
(1,3698)	2:198:B:ALA:HB2	2:195:B:GLU:HG2	18	0.3
(1,3698)	2:198:B:ALA:HB3	2:195:B:GLU:HG2	18	0.3
(1,3670)	2:194:B:LEU:HB2	2:191:B:ASP:HA	10	0.3
(1,3658)	2:182:B:PHE:HD1	2:184:B:LEU:HD11	9	0.3
(1,3658)	2:182:B:PHE:HD1	2:184:B:LEU:HD12	9	0.3
(1,3658)	2:182:B:PHE:HD1	2:184:B:LEU:HD13	9	0.3
(1,3658)	2:182:B:PHE:HD2	2:184:B:LEU:HD11	9	0.3
(1,3658)	2:182:B:PHE:HD2	2:184:B:LEU:HD12	9	0.3
(1,3658)	2:182:B:PHE:HD2	2:184:B:LEU:HD13	9	0.3
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG21	11	0.3
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG22	11	0.3
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG23	11	0.3
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG21	15	0.3
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG22	15	0.3
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG23	15	0.3
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	7	0.3
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	7	0.3
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	7	0.3
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	7	0.3
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	7	0.3
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	7	0.3
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	7	0.3
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	7	0.3
(1,3515)	1:230:A:GLU:HG3	1:231:A:LEU:HG	12	0.3
(1,2941)	1:227:A:LEU:HD11	1:227:A:LEU:H	5	0.3
(1,2941)	1:227:A:LEU:HD12	1:227:A:LEU:H	5	0.3
(1,2941)	1:227:A:LEU:HD13	1:227:A:LEU:H	5	0.3
(1,2737)	2:320:B:ARG:HA	2:323:B:VAL:H	2	0.3
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	12	0.3
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	12	0.3
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	12	0.3
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	20	0.3
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	20	0.3
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	20	0.3
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	8	0.3
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	8	0.3
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	8	0.3
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	12	0.3
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	12	0.3
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	12	0.3
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	18	0.3
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	18	0.3
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	18	0.3
(1,2458)	2:286:B:LEU:HB3	2:286:B:LEU:H	4	0.3
(1,2439)	2:279:B:LEU:HD21	2:284:B:LEU:H	15	0.3
(1,2439)	2:279:B:LEU:HD22	2:284:B:LEU:H	15	0.3
(1,2439)	2:279:B:LEU:HD23	2:284:B:LEU:H	15	0.3
(1,2319)	2:160:B:ILE:HD11	2:270:B:ILE:H	5	0.3
(1,2319)	2:160:B:ILE:HD12	2:270:B:ILE:H	5	0.3
(1,2319)	2:160:B:ILE:HD13	2:270:B:ILE:H	5	0.3
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	9	0.3
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	9	0.3
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	9	0.3
(1,1999)	2:222:B:LYS:HG3	2:223:B:GLU:H	3	0.3
(1,1791)	2:190:B:VAL:HB	2:191:B:ASP:H	14	0.3
(1,1729)	2:313:B:VAL:HG11	2:180:B:GLN:H	3	0.3
(1,1729)	2:313:B:VAL:HG12	2:180:B:GLN:H	3	0.3
(1,1729)	2:313:B:VAL:HG13	2:180:B:GLN:H	3	0.3
(1,1554)	2:155:B:GLU:HG3	2:156:B:VAL:H	14	0.3
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD21	9	0.3
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD22	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD23	9	0.3
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	14	0.3
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	14	0.3
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	14	0.3
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	14	0.3
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	14	0.3
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	14	0.3
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	14	0.3
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	14	0.3
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	14	0.3
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	14	0.3
(1,1086)	2:183:B:TYR:HD1	2:312:B:GLU:HG2	8	0.3
(1,1086)	2:183:B:TYR:HD2	2:312:B:GLU:HG2	8	0.3
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD11	18	0.3
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD12	18	0.3
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD13	18	0.3
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD3	10	0.3
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD2	11	0.3
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	9	0.3
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	14	0.3
(1,575)	2:273:B:MET:HG3	2:228:B:MET:HE1	13	0.3
(1,575)	2:273:B:MET:HG3	2:228:B:MET:HE2	13	0.3
(1,575)	2:273:B:MET:HG3	2:228:B:MET:HE3	13	0.3
(1,537)	2:294:B:PHE:HE1	2:221:B:ILE:HG12	14	0.3
(1,537)	2:294:B:PHE:HE2	2:221:B:ILE:HG12	14	0.3
(1,477)	2:204:B:ARG:HA	2:204:B:ARG:HD2	17	0.3
(1,212)	2:159:B:LYS:HA	2:159:B:LYS:HE3	7	0.3
(1,168)	2:173:B:ASP:HA	2:177:B:ARG:HG2	14	0.3
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD21	16	0.3
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD22	16	0.3
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD23	16	0.3
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD21	16	0.3
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD22	16	0.3
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD23	16	0.3
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD21	16	0.3
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD22	16	0.3
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD23	16	0.3
(1,95)	1:213:A:LEU:HD11	2:273:B:MET:HG2	16	0.3
(1,95)	1:213:A:LEU:HD12	2:273:B:MET:HG2	16	0.3
(1,95)	1:213:A:LEU:HD13	2:273:B:MET:HG2	16	0.3
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG11	8	0.29
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG12	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG13	8	0.29
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG11	18	0.29
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG12	18	0.29
(1,3861)	2:236:B:LYS:HE2	2:323:B:VAL:HG13	18	0.29
(1,3759)	2:242:B:TYR:HA	2:246:B:LEU:HD11	9	0.29
(1,3759)	2:242:B:TYR:HA	2:246:B:LEU:HD12	9	0.29
(1,3759)	2:242:B:TYR:HA	2:246:B:LEU:HD13	9	0.29
(1,3727)	2:222:B:LYS:HG2	2:223:B:GLU:HG2	13	0.29
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	3	0.29
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	3	0.29
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	3	0.29
(1,3495)	1:230:A:GLU:HA	1:229:A:ASN:HB2	9	0.29
(1,3343)	1:220:A:ARG:HD2	1:220:A:ARG:HA	7	0.29
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB1	11	0.29
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB2	11	0.29
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB3	11	0.29
(1,3135)	1:207:A:ARG:HB2	1:207:A:ARG:HD2	11	0.29
(1,3106)	1:205:A:GLN:HA	1:205:A:GLN:HG2	7	0.29
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	9	0.29
(1,2934)	1:227:A:LEU:HG	1:227:A:LEU:H	15	0.29
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	11	0.29
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	11	0.29
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	11	0.29
(1,2262)	2:258:B:TYR:H	2:257:B:VAL:H	20	0.29
(1,2255)	2:253:B:PRO:HB3	2:256:B:GLN:H	4	0.29
(1,2106)	2:236:B:LYS:HB3	2:236:B:LYS:H	18	0.29
(1,1336)	2:268:B:VAL:HG21	1:228:A:PRO:HD2	13	0.29
(1,1336)	2:268:B:VAL:HG22	1:228:A:PRO:HD2	13	0.29
(1,1336)	2:268:B:VAL:HG23	1:228:A:PRO:HD2	13	0.29
(1,1306)	2:231:B:THR:HA	1:222:A:PRO:HG3	5	0.29
(1,1306)	2:231:B:THR:HA	1:222:A:PRO:HG3	7	0.29
(1,1168)	2:236:B:LYS:HE3	2:323:B:VAL:HG21	15	0.29
(1,1168)	2:236:B:LYS:HE3	2:323:B:VAL:HG22	15	0.29
(1,1168)	2:236:B:LYS:HE3	2:323:B:VAL:HG23	15	0.29
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD11	1	0.29
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD12	1	0.29
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD13	1	0.29
(1,930)	2:282:B:LYS:HD3	2:282:B:LYS:HG2	8	0.29
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	4	0.29
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD11	3	0.29
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD12	3	0.29
(1,807)	2:267:B:PHE:HE1	2:266:B:LEU:HD13	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD11	3	0.29
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD12	3	0.29
(1,807)	2:267:B:PHE:HE2	2:266:B:LEU:HD13	3	0.29
(1,625)	2:239:B:ARG:HD3	2:236:B:LYS:HA	19	0.29
(1,623)	2:236:B:LYS:HB3	2:236:B:LYS:HE2	16	0.29
(1,570)	2:232:B:GLN:HG2	2:228:B:MET:HE1	20	0.29
(1,570)	2:232:B:GLN:HG2	2:228:B:MET:HE2	20	0.29
(1,570)	2:232:B:GLN:HG2	2:228:B:MET:HE3	20	0.29
(1,537)	2:294:B:PHE:HE1	2:221:B:ILE:HG12	7	0.29
(1,537)	2:294:B:PHE:HE2	2:221:B:ILE:HG12	7	0.29
(1,494)	2:210:B:LYS:HG2	2:210:B:LYS:HA	10	0.29
(1,402)	2:222:B:LYS:HG3	2:190:B:VAL:HG11	4	0.29
(1,402)	2:222:B:LYS:HG3	2:190:B:VAL:HG12	4	0.29
(1,402)	2:222:B:LYS:HG3	2:190:B:VAL:HG13	4	0.29
(1,377)	2:187:B:LYS:HG3	2:187:B:LYS:HE3	9	0.29
(1,200)	2:159:B:LYS:HD3	2:159:B:LYS:HG3	12	0.29
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD11	9	0.28
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD12	9	0.28
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD13	9	0.28
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD11	19	0.28
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD12	19	0.28
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD13	19	0.28
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD11	19	0.28
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD12	19	0.28
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD13	19	0.28
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD11	19	0.28
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD12	19	0.28
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD13	19	0.28
(1,3877)	2:277:B:THR:HG21	1:213:A:LEU:HG	19	0.28
(1,3877)	2:277:B:THR:HG22	1:213:A:LEU:HG	19	0.28
(1,3877)	2:277:B:THR:HG23	1:213:A:LEU:HG	19	0.28
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG11	19	0.28
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG12	19	0.28
(1,3861)	2:236:B:LYS:HE3	2:323:B:VAL:HG13	19	0.28
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD21	8	0.28
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD22	8	0.28
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD23	8	0.28
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD21	8	0.28
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD22	8	0.28
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD23	8	0.28
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD21	8	0.28
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD22	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD23	8	0.28
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD11	13	0.28
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD12	13	0.28
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD13	13	0.28
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD11	13	0.28
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD12	13	0.28
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD13	13	0.28
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD11	13	0.28
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD12	13	0.28
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD13	13	0.28
(1,3777)	2:271:B:GLY:HA3	2:288:B:LEU:HD21	20	0.28
(1,3777)	2:271:B:GLY:HA3	2:288:B:LEU:HD22	20	0.28
(1,3777)	2:271:B:GLY:HA3	2:288:B:LEU:HD23	20	0.28
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG11	1	0.28
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG12	1	0.28
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG13	1	0.28
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG11	1	0.28
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG12	1	0.28
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG13	1	0.28
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG11	1	0.28
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG12	1	0.28
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG13	1	0.28
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB1	8	0.28
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB2	8	0.28
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB3	8	0.28
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD21	5	0.28
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD22	5	0.28
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD23	5	0.28
(1,3670)	2:194:B:LEU:HB2	2:191:B:ASP:HA	2	0.28
(1,3557)	1:235:A:THR:HA	1:235:A:THR:HB	4	0.28
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD21	19	0.28
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD22	19	0.28
(1,3532)	1:230:A:GLU:HB2	1:231:A:LEU:HD23	19	0.28
(1,3150)	1:212:A:LEU:HG	1:208:A:ARG:HD3	8	0.28
(1,3098)	1:205:A:GLN:HG3	1:205:A:GLN:HA	9	0.28
(1,3069)	1:201:A:TYR:HE1	1:203:A:GLN:HG2	2	0.28
(1,3069)	1:201:A:TYR:HE2	1:203:A:GLN:HG2	2	0.28
(1,3011)	1:211:A:GLU:HG3	1:207:A:ARG:HG3	15	0.28
(1,3001)	1:208:A:ARG:HA	1:208:A:ARG:HG3	8	0.28
(1,2999)	1:211:A:GLU:HG2	1:207:A:ARG:HD2	2	0.28
(1,2987)	1:237:A:LEU:HB2	1:237:A:LEU:H	14	0.28
(1,2934)	1:227:A:LEU:HG	1:227:A:LEU:H	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2676)	2:312:B:GLU:HB3	2:313:B:VAL:H	11	0.28
(1,2601)	2:164:B:LEU:HD21	2:301:B:ASN:H	8	0.28
(1,2601)	2:164:B:LEU:HD22	2:301:B:ASN:H	8	0.28
(1,2601)	2:164:B:LEU:HD23	2:301:B:ASN:H	8	0.28
(1,2578)	2:298:B:LEU:HD11	2:299:B:ALA:H	16	0.28
(1,2578)	2:298:B:LEU:HD12	2:299:B:ALA:H	16	0.28
(1,2578)	2:298:B:LEU:HD13	2:299:B:ALA:H	16	0.28
(1,2449)	2:257:B:VAL:HG11	2:256:B:GLN:H	2	0.28
(1,2449)	2:257:B:VAL:HG12	2:256:B:GLN:H	2	0.28
(1,2449)	2:257:B:VAL:HG13	2:256:B:GLN:H	2	0.28
(1,2410)	2:280:B:ASP:HB3	2:281:B:GLU:H	7	0.28
(1,2319)	2:158:B:VAL:HG21	2:270:B:ILE:H	12	0.28
(1,2319)	2:158:B:VAL:HG22	2:270:B:ILE:H	12	0.28
(1,2319)	2:158:B:VAL:HG23	2:270:B:ILE:H	12	0.28
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	16	0.28
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	16	0.28
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	16	0.28
(1,1907)	2:204:B:ARG:HG3	2:204:B:ARG:H	13	0.28
(1,1566)	2:157:B:LYS:HD3	2:157:B:LYS:H	19	0.28
(1,1554)	2:155:B:GLU:HG2	2:156:B:VAL:H	13	0.28
(1,1554)	2:155:B:GLU:HG2	2:156:B:VAL:H	16	0.28
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	8	0.28
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	8	0.28
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	8	0.28
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD21	4	0.28
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD22	4	0.28
(1,1331)	2:168:B:LEU:HD11	1:227:A:LEU:HD23	4	0.28
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD21	4	0.28
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD22	4	0.28
(1,1331)	2:168:B:LEU:HD12	1:227:A:LEU:HD23	4	0.28
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD21	4	0.28
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD22	4	0.28
(1,1331)	2:168:B:LEU:HD13	1:227:A:LEU:HD23	4	0.28
(1,1313)	2:235:B:TYR:HE1	1:224:A:GLN:HG3	7	0.28
(1,1313)	2:235:B:TYR:HE2	1:224:A:GLN:HG3	7	0.28
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG3	6	0.28
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG3	6	0.28
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG3	6	0.28
(1,1206)	2:213:B:ALA:HB1	1:203:A:GLN:HG3	20	0.28
(1,1206)	2:213:B:ALA:HB2	1:203:A:GLN:HG3	20	0.28
(1,1206)	2:213:B:ALA:HB3	1:203:A:GLN:HG3	20	0.28
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD11	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD12	13	0.28
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD13	13	0.28
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD11	13	0.28
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD12	13	0.28
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD13	13	0.28
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD11	13	0.28
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD12	13	0.28
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD13	13	0.28
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	12	0.28
(1,761)	2:252:B:ALA:HB1	2:256:B:GLN:HG2	1	0.28
(1,761)	2:252:B:ALA:HB2	2:256:B:GLN:HG2	1	0.28
(1,761)	2:252:B:ALA:HB3	2:256:B:GLN:HG2	1	0.28
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG11	5	0.28
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG12	5	0.28
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG13	5	0.28
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD11	12	0.28
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD12	12	0.28
(1,258)	2:178:B:GLN:HG3	2:174:B:LEU:HD13	12	0.28
(1,215)	2:292:B:HIS:HE1	2:159:B:LYS:HE3	18	0.28
(1,155)	1:210:A:PHE:HE1	2:287:B:LEU:HD11	18	0.28
(1,155)	1:210:A:PHE:HE1	2:287:B:LEU:HD12	18	0.28
(1,155)	1:210:A:PHE:HE1	2:287:B:LEU:HD13	18	0.28
(1,155)	1:210:A:PHE:HE2	2:287:B:LEU:HD11	18	0.28
(1,155)	1:210:A:PHE:HE2	2:287:B:LEU:HD12	18	0.28
(1,155)	1:210:A:PHE:HE2	2:287:B:LEU:HD13	18	0.28
(1,62)	1:225:A:PHE:HZ	2:233:B:LEU:HD21	11	0.28
(1,62)	1:225:A:PHE:HZ	2:233:B:LEU:HD22	11	0.28
(1,62)	1:225:A:PHE:HZ	2:233:B:LEU:HD23	11	0.28
(1,3979)	2:225:B:PHE:HE1	2:233:B:LEU:HD11	11	0.27
(1,3979)	2:225:B:PHE:HE1	2:233:B:LEU:HD12	11	0.27
(1,3979)	2:225:B:PHE:HE1	2:233:B:LEU:HD13	11	0.27
(1,3979)	2:225:B:PHE:HE2	2:233:B:LEU:HD11	11	0.27
(1,3979)	2:225:B:PHE:HE2	2:233:B:LEU:HD12	11	0.27
(1,3979)	2:225:B:PHE:HE2	2:233:B:LEU:HD13	11	0.27
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD11	18	0.27
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD12	18	0.27
(1,3976)	2:267:B:PHE:HZ	2:298:B:LEU:HD13	18	0.27
(1,3913)	2:212:B:TYR:HD1	2:209:B:ASN:HB2	9	0.27
(1,3913)	2:212:B:TYR:HD2	2:209:B:ASN:HB2	9	0.27
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD11	12	0.27
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD12	12	0.27
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD13	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD11	12	0.27
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD12	12	0.27
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD13	12	0.27
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD11	12	0.27
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD12	12	0.27
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD13	12	0.27
(1,3877)	2:277:B:THR:HG21	1:213:A:LEU:HG	10	0.27
(1,3877)	2:277:B:THR:HG22	1:213:A:LEU:HG	10	0.27
(1,3877)	2:277:B:THR:HG23	1:213:A:LEU:HG	10	0.27
(1,3870)	2:217:B:VAL:HG11	1:206:A:LEU:HG	12	0.27
(1,3870)	2:217:B:VAL:HG12	1:206:A:LEU:HG	12	0.27
(1,3870)	2:217:B:VAL:HG13	1:206:A:LEU:HG	12	0.27
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG21	10	0.27
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG22	10	0.27
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG23	10	0.27
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG21	10	0.27
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG22	10	0.27
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG23	10	0.27
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG21	10	0.27
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG22	10	0.27
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG23	10	0.27
(1,3833)	2:264:B:LEU:HD11	2:295:B:LEU:HD21	4	0.27
(1,3833)	2:264:B:LEU:HD11	2:295:B:LEU:HD22	4	0.27
(1,3833)	2:264:B:LEU:HD11	2:295:B:LEU:HD23	4	0.27
(1,3833)	2:264:B:LEU:HD12	2:295:B:LEU:HD21	4	0.27
(1,3833)	2:264:B:LEU:HD12	2:295:B:LEU:HD22	4	0.27
(1,3833)	2:264:B:LEU:HD12	2:295:B:LEU:HD23	4	0.27
(1,3833)	2:264:B:LEU:HD13	2:295:B:LEU:HD21	4	0.27
(1,3833)	2:264:B:LEU:HD13	2:295:B:LEU:HD22	4	0.27
(1,3833)	2:264:B:LEU:HD13	2:295:B:LEU:HD23	4	0.27
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD21	18	0.27
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD22	18	0.27
(1,3833)	2:160:B:ILE:HG21	2:295:B:LEU:HD23	18	0.27
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD21	18	0.27
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD22	18	0.27
(1,3833)	2:160:B:ILE:HG22	2:295:B:LEU:HD23	18	0.27
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD21	18	0.27
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD22	18	0.27
(1,3833)	2:160:B:ILE:HG23	2:295:B:LEU:HD23	18	0.27
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD21	20	0.27
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD22	20	0.27
(1,3805)	2:284:B:LEU:HD21	2:279:B:LEU:HD23	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD21	20	0.27
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD22	20	0.27
(1,3805)	2:284:B:LEU:HD22	2:279:B:LEU:HD23	20	0.27
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD21	20	0.27
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD22	20	0.27
(1,3805)	2:284:B:LEU:HD23	2:279:B:LEU:HD23	20	0.27
(1,3789)	2:269:B:ARG:HA	2:273:B:MET:HE1	7	0.27
(1,3789)	2:269:B:ARG:HA	2:273:B:MET:HE2	7	0.27
(1,3789)	2:269:B:ARG:HA	2:273:B:MET:HE3	7	0.27
(1,3786)	2:263:B:LEU:HD21	2:193:B:ILE:HG21	11	0.27
(1,3786)	2:263:B:LEU:HD21	2:193:B:ILE:HG22	11	0.27
(1,3786)	2:263:B:LEU:HD21	2:193:B:ILE:HG23	11	0.27
(1,3786)	2:263:B:LEU:HD22	2:193:B:ILE:HG21	11	0.27
(1,3786)	2:263:B:LEU:HD22	2:193:B:ILE:HG22	11	0.27
(1,3786)	2:263:B:LEU:HD22	2:193:B:ILE:HG23	11	0.27
(1,3786)	2:263:B:LEU:HD23	2:193:B:ILE:HG21	11	0.27
(1,3786)	2:263:B:LEU:HD23	2:193:B:ILE:HG22	11	0.27
(1,3786)	2:263:B:LEU:HD23	2:193:B:ILE:HG23	11	0.27
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB1	6	0.27
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB2	6	0.27
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB3	6	0.27
(1,3760)	2:250:B:PRO:HA	2:246:B:LEU:HD21	20	0.27
(1,3760)	2:250:B:PRO:HA	2:246:B:LEU:HD22	20	0.27
(1,3760)	2:250:B:PRO:HA	2:246:B:LEU:HD23	20	0.27
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG21	14	0.27
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG22	14	0.27
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG23	14	0.27
(1,3629)	2:271:B:GLY:HA3	2:158:B:VAL:HG11	13	0.27
(1,3629)	2:271:B:GLY:HA3	2:158:B:VAL:HG12	13	0.27
(1,3629)	2:271:B:GLY:HA3	2:158:B:VAL:HG13	13	0.27
(1,3629)	2:271:B:GLY:HA3	2:156:B:VAL:HG11	16	0.27
(1,3629)	2:271:B:GLY:HA3	2:156:B:VAL:HG12	16	0.27
(1,3629)	2:271:B:GLY:HA3	2:156:B:VAL:HG13	16	0.27
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD21	20	0.27
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD22	20	0.27
(1,3532)	1:230:A:GLU:HB3	1:231:A:LEU:HD23	20	0.27
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD11	8	0.27
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD12	8	0.27
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD13	8	0.27
(1,3366)	1:222:A:PRO:HD2	1:221:A:ASN:HB3	17	0.27
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB1	6	0.27
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB2	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB3	6	0.27
(1,3192)	1:207:A:ARG:HG3	1:211:A:GLU:HG2	14	0.27
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	6	0.27
(1,3012)	1:207:A:ARG:HB3	1:207:A:ARG:HD3	5	0.27
(1,3000)	1:211:A:GLU:HB3	1:208:A:ARG:HD2	7	0.27
(1,2987)	1:237:A:LEU:HB2	1:237:A:LEU:H	7	0.27
(1,2952)	1:231:A:LEU:HB3	1:231:A:LEU:H	7	0.27
(1,2941)	1:227:A:LEU:HD11	1:227:A:LEU:H	4	0.27
(1,2941)	1:227:A:LEU:HD12	1:227:A:LEU:H	4	0.27
(1,2941)	1:227:A:LEU:HD13	1:227:A:LEU:H	4	0.27
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	14	0.27
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	14	0.27
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	14	0.27
(1,2092)	2:233:B:LEU:HB2	2:234:B:LEU:H	3	0.27
(1,1907)	2:204:B:ARG:HG3	2:204:B:ARG:H	8	0.27
(1,1907)	2:204:B:ARG:HG3	2:204:B:ARG:H	15	0.27
(1,1772)	2:187:B:LYS:HG3	2:188:B:LYS:H	12	0.27
(1,1574)	2:158:B:VAL:HB	2:158:B:VAL:H	10	0.27
(1,1567)	2:157:B:LYS:HG3	2:157:B:LYS:H	6	0.27
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	3	0.27
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	3	0.27
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	3	0.27
(1,1313)	2:235:B:TYR:HE1	1:224:A:GLN:HG3	4	0.27
(1,1313)	2:235:B:TYR:HE2	1:224:A:GLN:HG3	4	0.27
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG21	5	0.27
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG22	5	0.27
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG23	5	0.27
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB1	10	0.27
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB2	10	0.27
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB3	10	0.27
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB1	10	0.27
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB2	10	0.27
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB3	10	0.27
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB1	10	0.27
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB2	10	0.27
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB3	10	0.27
(1,1028)	2:293:B:ASP:HA	2:296:B:LYS:HD3	11	0.27
(1,988)	2:288:B:LEU:HB3	2:288:B:LEU:HD21	1	0.27
(1,988)	2:288:B:LEU:HB3	2:288:B:LEU:HD22	1	0.27
(1,988)	2:288:B:LEU:HB3	2:288:B:LEU:HD23	1	0.27
(1,988)	2:288:B:LEU:HB3	2:288:B:LEU:HD21	16	0.27
(1,988)	2:288:B:LEU:HB3	2:288:B:LEU:HD22	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,988)	2:288:B:LEU:HB3	2:288:B:LEU:HD23	16	0.27
(1,988)	2:288:B:LEU:HB3	2:288:B:LEU:HD21	17	0.27
(1,988)	2:288:B:LEU:HB3	2:288:B:LEU:HD22	17	0.27
(1,988)	2:288:B:LEU:HB3	2:288:B:LEU:HD23	17	0.27
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	15	0.27
(1,914)	2:281:B:GLU:HA	2:281:B:GLU:HG3	7	0.27
(1,762)	2:253:B:PRO:HD2	2:256:B:GLN:HG2	12	0.27
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG11	10	0.27
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG12	10	0.27
(1,518)	2:287:B:LEU:HD11	2:217:B:VAL:HG13	10	0.27
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG11	10	0.27
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG12	10	0.27
(1,518)	2:287:B:LEU:HD12	2:217:B:VAL:HG13	10	0.27
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG11	10	0.27
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG12	10	0.27
(1,518)	2:287:B:LEU:HD13	2:217:B:VAL:HG13	10	0.27
(1,200)	2:159:B:LYS:HB2	2:159:B:LYS:HG3	6	0.27
(1,200)	2:159:B:LYS:HB2	2:159:B:LYS:HG3	10	0.27
(1,200)	2:159:B:LYS:HD2	2:159:B:LYS:HG3	11	0.27
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD21	4	0.27
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD22	4	0.27
(1,111)	1:213:A:LEU:HD21	2:274:B:LEU:HD23	4	0.27
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD21	4	0.27
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD22	4	0.27
(1,111)	1:213:A:LEU:HD22	2:274:B:LEU:HD23	4	0.27
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD21	4	0.27
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD22	4	0.27
(1,111)	1:213:A:LEU:HD23	2:274:B:LEU:HD23	4	0.27
(1,64)	1:224:A:GLN:HG2	2:236:B:LYS:HG3	10	0.27
(1,49)	1:218:A:MET:HA	2:227:B:VAL:HG21	5	0.27
(1,49)	1:218:A:MET:HA	2:227:B:VAL:HG22	5	0.27
(1,49)	1:218:A:MET:HA	2:227:B:VAL:HG23	5	0.27
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	12	0.26
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	12	0.26
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	12	0.26
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	12	0.26
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	12	0.26
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	12	0.26
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD11	10	0.26
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD12	10	0.26
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD13	10	0.26
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD11	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD12	10	0.26
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD13	10	0.26
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD11	10	0.26
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD12	10	0.26
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD13	10	0.26
(1,3789)	2:269:B:ARG:HA	2:273:B:MET:HE1	8	0.26
(1,3789)	2:269:B:ARG:HA	2:273:B:MET:HE2	8	0.26
(1,3789)	2:269:B:ARG:HA	2:273:B:MET:HE3	8	0.26
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG11	14	0.26
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG12	14	0.26
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG13	14	0.26
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG11	14	0.26
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG12	14	0.26
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG13	14	0.26
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG11	14	0.26
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG12	14	0.26
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG13	14	0.26
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD21	14	0.26
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD22	14	0.26
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD23	14	0.26
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD21	12	0.26
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD22	12	0.26
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD23	12	0.26
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD21	15	0.26
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD22	15	0.26
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD23	15	0.26
(1,3726)	2:219:B:ALA:HA	2:222:B:LYS:HE3	16	0.26
(1,3719)	2:221:B:ILE:HD11	2:218:B:VAL:HA	1	0.26
(1,3719)	2:221:B:ILE:HD12	2:218:B:VAL:HA	1	0.26
(1,3719)	2:221:B:ILE:HD13	2:218:B:VAL:HA	1	0.26
(1,3681)	2:193:B:ILE:HD11	2:188:B:LYS:HE3	4	0.26
(1,3681)	2:193:B:ILE:HD12	2:188:B:LYS:HE3	4	0.26
(1,3681)	2:193:B:ILE:HD13	2:188:B:LYS:HE3	4	0.26
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	8	0.26
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	8	0.26
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	8	0.26
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG11	6	0.26
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG12	6	0.26
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG13	6	0.26
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB1	5	0.26
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB2	5	0.26
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB3	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3090)	1:204:A:PRO:HB2	1:204:A:PRO:HD2	3	0.26
(1,3090)	1:204:A:PRO:HB2	1:204:A:PRO:HD2	10	0.26
(1,3090)	1:204:A:PRO:HB2	1:204:A:PRO:HD2	14	0.26
(1,3090)	1:204:A:PRO:HB2	1:204:A:PRO:HD2	18	0.26
(1,3011)	1:211:A:GLU:HG3	1:207:A:ARG:HG3	17	0.26
(1,3000)	1:211:A:GLU:HB3	1:208:A:ARG:HD2	19	0.26
(1,2725)	2:301:B:ASN:HB2	2:302:B:SER:H	15	0.26
(1,2676)	2:312:B:GLU:HB3	2:313:B:VAL:H	4	0.26
(1,2637)	2:305:B:LEU:HD11	2:306:B:PHE:H	8	0.26
(1,2637)	2:305:B:LEU:HD12	2:306:B:PHE:H	8	0.26
(1,2637)	2:305:B:LEU:HD13	2:306:B:PHE:H	8	0.26
(1,2511)	2:287:B:LEU:HD11	2:291:B:LEU:H	18	0.26
(1,2511)	2:287:B:LEU:HD12	2:291:B:LEU:H	18	0.26
(1,2511)	2:287:B:LEU:HD13	2:291:B:LEU:H	18	0.26
(1,2449)	2:284:B:LEU:HD11	2:285:B:ALA:H	4	0.26
(1,2449)	2:284:B:LEU:HD12	2:285:B:ALA:H	4	0.26
(1,2449)	2:284:B:LEU:HD13	2:285:B:ALA:H	4	0.26
(1,2449)	2:284:B:LEU:HD11	2:285:B:ALA:H	5	0.26
(1,2449)	2:284:B:LEU:HD12	2:285:B:ALA:H	5	0.26
(1,2449)	2:284:B:LEU:HD13	2:285:B:ALA:H	5	0.26
(1,2449)	2:284:B:LEU:HD11	2:285:B:ALA:H	15	0.26
(1,2449)	2:284:B:LEU:HD12	2:285:B:ALA:H	15	0.26
(1,2449)	2:284:B:LEU:HD13	2:285:B:ALA:H	15	0.26
(1,1598)	2:163:B:GLU:HB2	2:163:B:GLU:H	4	0.26
(1,1557)	2:157:B:LYS:HG3	2:156:B:VAL:H	13	0.26
(1,1554)	2:155:B:GLU:HG3	2:156:B:VAL:H	6	0.26
(1,1512)	2:297:B:TYR:HE1	2:305:B:LEU:HD21	16	0.26
(1,1512)	2:297:B:TYR:HE1	2:305:B:LEU:HD22	16	0.26
(1,1512)	2:297:B:TYR:HE1	2:305:B:LEU:HD23	16	0.26
(1,1512)	2:297:B:TYR:HE2	2:305:B:LEU:HD21	16	0.26
(1,1512)	2:297:B:TYR:HE2	2:305:B:LEU:HD22	16	0.26
(1,1512)	2:297:B:TYR:HE2	2:305:B:LEU:HD23	16	0.26
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	18	0.26
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD11	11	0.26
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD12	11	0.26
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD13	11	0.26
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD11	11	0.26
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD12	11	0.26
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD13	11	0.26
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD11	11	0.26
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD12	11	0.26
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD13	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	2:317:B:GLU:HA	2:320:B:ARG:HD3	17	0.26
(1,760)	2:257:B:VAL:HG11	2:256:B:GLN:HG2	15	0.26
(1,760)	2:257:B:VAL:HG12	2:256:B:GLN:HG2	15	0.26
(1,760)	2:257:B:VAL:HG13	2:256:B:GLN:HG2	15	0.26
(1,623)	2:236:B:LYS:HB3	2:236:B:LYS:HE2	12	0.26
(1,537)	2:294:B:PHE:HE1	2:221:B:ILE:HG12	12	0.26
(1,537)	2:294:B:PHE:HE2	2:221:B:ILE:HG12	12	0.26
(1,530)	2:197:B:TYR:HD1	2:218:B:VAL:HG21	8	0.26
(1,530)	2:197:B:TYR:HD1	2:218:B:VAL:HG22	8	0.26
(1,530)	2:197:B:TYR:HD1	2:218:B:VAL:HG23	8	0.26
(1,530)	2:197:B:TYR:HD2	2:218:B:VAL:HG21	8	0.26
(1,530)	2:197:B:TYR:HD2	2:218:B:VAL:HG22	8	0.26
(1,530)	2:197:B:TYR:HD2	2:218:B:VAL:HG23	8	0.26
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD21	16	0.26
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD22	16	0.26
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD23	16	0.26
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG11	17	0.26
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG12	17	0.26
(1,165)	2:256:B:GLN:HG3	2:257:B:VAL:HG13	17	0.26
(1,151)	1:206:A:LEU:HD11	2:287:B:LEU:HD11	16	0.26
(1,151)	1:206:A:LEU:HD11	2:287:B:LEU:HD12	16	0.26
(1,151)	1:206:A:LEU:HD11	2:287:B:LEU:HD13	16	0.26
(1,151)	1:206:A:LEU:HD12	2:287:B:LEU:HD11	16	0.26
(1,151)	1:206:A:LEU:HD12	2:287:B:LEU:HD12	16	0.26
(1,151)	1:206:A:LEU:HD12	2:287:B:LEU:HD13	16	0.26
(1,151)	1:206:A:LEU:HD13	2:287:B:LEU:HD11	16	0.26
(1,151)	1:206:A:LEU:HD13	2:287:B:LEU:HD12	16	0.26
(1,151)	1:206:A:LEU:HD13	2:287:B:LEU:HD13	16	0.26
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG21	17	0.26
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG22	17	0.26
(1,10)	1:227:A:LEU:HD21	2:169:B:VAL:HG23	17	0.26
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG21	17	0.26
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG22	17	0.26
(1,10)	1:227:A:LEU:HD22	2:169:B:VAL:HG23	17	0.26
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG21	17	0.26
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG22	17	0.26
(1,10)	1:227:A:LEU:HD23	2:169:B:VAL:HG23	17	0.26
(1,3966)	2:237:B:PHE:HE1	2:181:B:LEU:HD11	13	0.25
(1,3966)	2:237:B:PHE:HE1	2:181:B:LEU:HD12	13	0.25
(1,3966)	2:237:B:PHE:HE1	2:181:B:LEU:HD13	13	0.25
(1,3966)	2:237:B:PHE:HE2	2:181:B:LEU:HD11	13	0.25
(1,3966)	2:237:B:PHE:HE2	2:181:B:LEU:HD12	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3966)	2:237:B:PHE:HE2	2:181:B:LEU:HD13	13	0.25
(1,3939)	2:237:B:PHE:HE1	2:175:B:ILE:HG21	12	0.25
(1,3939)	2:237:B:PHE:HE1	2:175:B:ILE:HG22	12	0.25
(1,3939)	2:237:B:PHE:HE1	2:175:B:ILE:HG23	12	0.25
(1,3939)	2:237:B:PHE:HE2	2:175:B:ILE:HG21	12	0.25
(1,3939)	2:237:B:PHE:HE2	2:175:B:ILE:HG22	12	0.25
(1,3939)	2:237:B:PHE:HE2	2:175:B:ILE:HG23	12	0.25
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB1	2	0.25
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB2	2	0.25
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB3	2	0.25
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD11	1	0.25
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD12	1	0.25
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD13	1	0.25
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD11	1	0.25
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD12	1	0.25
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD13	1	0.25
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD11	1	0.25
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD12	1	0.25
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD13	1	0.25
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD11	12	0.25
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD12	12	0.25
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD13	12	0.25
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD11	12	0.25
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD12	12	0.25
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD13	12	0.25
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD11	12	0.25
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD12	12	0.25
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD13	12	0.25
(1,3895)	2:236:B:LYS:HE3	1:224:A:GLN:HB2	12	0.25
(1,3866)	2:210:B:LYS:HA	1:203:A:GLN:HG2	18	0.25
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG21	4	0.25
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG22	4	0.25
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG23	4	0.25
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG21	4	0.25
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG22	4	0.25
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG23	4	0.25
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG21	4	0.25
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG22	4	0.25
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG23	4	0.25
(1,3813)	2:156:B:VAL:HA	2:284:B:LEU:HD21	9	0.25
(1,3813)	2:156:B:VAL:HA	2:284:B:LEU:HD22	9	0.25
(1,3813)	2:156:B:VAL:HA	2:284:B:LEU:HD23	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD21	1	0.25
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD22	1	0.25
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD23	1	0.25
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD21	19	0.25
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD22	19	0.25
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD23	19	0.25
(1,3759)	2:290:B:TYR:HA	2:217:B:VAL:HG21	3	0.25
(1,3759)	2:290:B:TYR:HA	2:217:B:VAL:HG22	3	0.25
(1,3759)	2:290:B:TYR:HA	2:217:B:VAL:HG23	3	0.25
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD21	7	0.25
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD22	7	0.25
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD23	7	0.25
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG21	18	0.25
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG22	18	0.25
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG23	18	0.25
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD21	12	0.25
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD22	12	0.25
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD23	12	0.25
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD21	12	0.25
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD22	12	0.25
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD23	12	0.25
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD21	12	0.25
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD22	12	0.25
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD23	12	0.25
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG21	9	0.25
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG22	9	0.25
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG23	9	0.25
(1,3541)	1:227:A:LEU:HD11	1:232:A:THR:HG21	5	0.25
(1,3541)	1:227:A:LEU:HD11	1:232:A:THR:HG22	5	0.25
(1,3541)	1:227:A:LEU:HD11	1:232:A:THR:HG23	5	0.25
(1,3541)	1:227:A:LEU:HD12	1:232:A:THR:HG21	5	0.25
(1,3541)	1:227:A:LEU:HD12	1:232:A:THR:HG22	5	0.25
(1,3541)	1:227:A:LEU:HD12	1:232:A:THR:HG23	5	0.25
(1,3541)	1:227:A:LEU:HD13	1:232:A:THR:HG21	5	0.25
(1,3541)	1:227:A:LEU:HD13	1:232:A:THR:HG22	5	0.25
(1,3541)	1:227:A:LEU:HD13	1:232:A:THR:HG23	5	0.25
(1,3515)	1:230:A:GLU:HG3	1:231:A:LEU:HG	16	0.25
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB1	7	0.25
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB2	7	0.25
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB3	7	0.25
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB1	15	0.25
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB2	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB3	15	0.25
(1,3090)	1:204:A:PRO:HB2	1:204:A:PRO:HD2	2	0.25
(1,3090)	1:204:A:PRO:HB2	1:204:A:PRO:HD2	6	0.25
(1,3012)	1:208:A:ARG:HB2	1:208:A:ARG:HD2	3	0.25
(1,2974)	1:232:A:THR:H	1:233:A:CYS:H	10	0.25
(1,2553)	2:296:B:LYS:HG3	2:296:B:LYS:H	8	0.25
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	4	0.25
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	4	0.25
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	4	0.25
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	15	0.25
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	15	0.25
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	15	0.25
(1,2481)	2:288:B:LEU:HG	2:288:B:LEU:H	11	0.25
(1,2356)	2:273:B:MET:HB2	2:274:B:LEU:H	8	0.25
(1,2068)	2:228:B:MET:HG3	2:232:B:GLN:HE22	17	0.25
(1,1907)	2:204:B:ARG:HG3	2:204:B:ARG:H	1	0.25
(1,1832)	2:195:B:GLU:HG2	2:196:B:ASP:H	17	0.25
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	5	0.25
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	15	0.25
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	7	0.25
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	7	0.25
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	7	0.25
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	7	0.25
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	7	0.25
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	7	0.25
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	7	0.25
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	7	0.25
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	7	0.25
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG3	20	0.25
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG3	20	0.25
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG3	20	0.25
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD21	11	0.25
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD22	11	0.25
(1,1195)	1:210:A:PHE:HE1	1:213:A:LEU:HD23	11	0.25
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD21	11	0.25
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD22	11	0.25
(1,1195)	1:210:A:PHE:HE2	1:213:A:LEU:HD23	11	0.25
(1,1139)	2:320:B:ARG:HG3	2:320:B:ARG:HA	12	0.25
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD11	12	0.25
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD12	12	0.25
(1,1059)	2:188:B:LYS:HG2	2:305:B:LEU:HD13	12	0.25
(1,998)	2:267:B:PHE:HE1	2:291:B:LEU:HD11	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,998)	2:267:B:PHE:HE1	2:291:B:LEU:HD12	13	0.25
(1,998)	2:267:B:PHE:HE1	2:291:B:LEU:HD13	13	0.25
(1,998)	2:267:B:PHE:HE2	2:291:B:LEU:HD11	13	0.25
(1,998)	2:267:B:PHE:HE2	2:291:B:LEU:HD12	13	0.25
(1,998)	2:267:B:PHE:HE2	2:291:B:LEU:HD13	13	0.25
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	5	0.25
(1,916)	2:281:B:GLU:HB2	2:281:B:GLU:HG2	7	0.25
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	8	0.25
(1,759)	2:253:B:PRO:HG2	2:256:B:GLN:HG3	9	0.25
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD21	10	0.25
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD22	10	0.25
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD23	10	0.25
(1,575)	2:273:B:MET:HG3	2:228:B:MET:HE1	7	0.25
(1,575)	2:273:B:MET:HG3	2:228:B:MET:HE2	7	0.25
(1,575)	2:273:B:MET:HG3	2:228:B:MET:HE3	7	0.25
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG11	13	0.25
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG12	13	0.25
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG13	13	0.25
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG11	13	0.25
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG12	13	0.25
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG13	13	0.25
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG11	19	0.25
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG12	19	0.25
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG13	19	0.25
(1,375)	2:187:B:LYS:HD2	2:187:B:LYS:HE3	1	0.25
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB1	19	0.25
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB2	19	0.25
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB3	19	0.25
(1,352)	2:241:B:GLN:HG3	2:184:B:LEU:HD21	9	0.25
(1,352)	2:241:B:GLN:HG3	2:184:B:LEU:HD22	9	0.25
(1,352)	2:241:B:GLN:HG3	2:184:B:LEU:HD23	9	0.25
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD11	4	0.25
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD12	4	0.25
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD13	4	0.25
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD11	4	0.25
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD12	4	0.25
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD13	4	0.25
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD11	4	0.25
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD12	4	0.25
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD13	4	0.25
(1,79)	1:227:A:LEU:HA	2:268:B:VAL:HG21	14	0.25
(1,79)	1:227:A:LEU:HA	2:268:B:VAL:HG22	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:227:A:LEU:HA	2:268:B:VAL:HG23	14	0.25
(1,49)	1:218:A:MET:HA	2:227:B:VAL:HG21	19	0.25
(1,49)	1:218:A:MET:HA	2:227:B:VAL:HG22	19	0.25
(1,49)	1:218:A:MET:HA	2:227:B:VAL:HG23	19	0.25
(1,3966)	2:237:B:PHE:HE1	2:181:B:LEU:HD11	18	0.24
(1,3966)	2:237:B:PHE:HE1	2:181:B:LEU:HD12	18	0.24
(1,3966)	2:237:B:PHE:HE1	2:181:B:LEU:HD13	18	0.24
(1,3966)	2:237:B:PHE:HE2	2:181:B:LEU:HD11	18	0.24
(1,3966)	2:237:B:PHE:HE2	2:181:B:LEU:HD12	18	0.24
(1,3966)	2:237:B:PHE:HE2	2:181:B:LEU:HD13	18	0.24
(1,3952)	2:182:B:PHE:HZ	2:184:B:LEU:HB2	13	0.24
(1,3950)	2:267:B:PHE:HD1	2:158:B:VAL:HG21	5	0.24
(1,3950)	2:267:B:PHE:HD1	2:158:B:VAL:HG22	5	0.24
(1,3950)	2:267:B:PHE:HD1	2:158:B:VAL:HG23	5	0.24
(1,3950)	2:267:B:PHE:HD2	2:158:B:VAL:HG21	5	0.24
(1,3950)	2:267:B:PHE:HD2	2:158:B:VAL:HG22	5	0.24
(1,3950)	2:267:B:PHE:HD2	2:158:B:VAL:HG23	5	0.24
(1,3937)	2:237:B:PHE:HD1	2:176:B:THR:HA	7	0.24
(1,3937)	2:237:B:PHE:HD2	2:176:B:THR:HA	7	0.24
(1,3928)	2:224:B:TYR:HD1	2:228:B:MET:HE1	4	0.24
(1,3928)	2:224:B:TYR:HD1	2:228:B:MET:HE2	4	0.24
(1,3928)	2:224:B:TYR:HD1	2:228:B:MET:HE3	4	0.24
(1,3928)	2:224:B:TYR:HD2	2:228:B:MET:HE1	4	0.24
(1,3928)	2:224:B:TYR:HD2	2:228:B:MET:HE2	4	0.24
(1,3928)	2:224:B:TYR:HD2	2:228:B:MET:HE3	4	0.24
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB1	15	0.24
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB2	15	0.24
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB3	15	0.24
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	13	0.24
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	13	0.24
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	13	0.24
(1,3844)	2:184:B:LEU:HG	2:257:B:VAL:HG21	3	0.24
(1,3844)	2:184:B:LEU:HG	2:257:B:VAL:HG22	3	0.24
(1,3844)	2:184:B:LEU:HG	2:257:B:VAL:HG23	3	0.24
(1,3695)	2:219:B:ALA:HA	2:194:B:LEU:HD11	18	0.24
(1,3695)	2:219:B:ALA:HA	2:194:B:LEU:HD12	18	0.24
(1,3695)	2:219:B:ALA:HA	2:194:B:LEU:HD13	18	0.24
(1,3500)	1:230:A:GLU:HB3	1:230:A:GLU:HG2	4	0.24
(1,3500)	1:230:A:GLU:HB2	1:230:A:GLU:HG3	9	0.24
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD21	2	0.24
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD22	2	0.24
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD23	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD21	8	0.24
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD22	8	0.24
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD23	8	0.24
(1,3339)	1:216:A:ALA:HA	1:219:A:GLU:HG2	15	0.24
(1,3272)	1:211:A:GLU:HG2	1:215:A:ALA:HB1	2	0.24
(1,3272)	1:211:A:GLU:HG2	1:215:A:ALA:HB2	2	0.24
(1,3272)	1:211:A:GLU:HG2	1:215:A:ALA:HB3	2	0.24
(1,3272)	1:211:A:GLU:HG2	1:215:A:ALA:HB1	4	0.24
(1,3272)	1:211:A:GLU:HG2	1:215:A:ALA:HB2	4	0.24
(1,3272)	1:211:A:GLU:HG2	1:215:A:ALA:HB3	4	0.24
(1,3181)	1:211:A:GLU:HG2	1:211:A:GLU:HA	4	0.24
(1,3098)	1:205:A:GLN:HG2	1:205:A:GLN:HA	11	0.24
(1,3098)	1:205:A:GLN:HG2	1:205:A:GLN:HA	14	0.24
(1,2730)	2:321:B:LYS:HA	2:322:B:ALA:H	9	0.24
(1,2481)	2:288:B:LEU:HG	2:288:B:LEU:H	6	0.24
(1,2481)	2:288:B:LEU:HG	2:288:B:LEU:H	7	0.24
(1,2449)	2:284:B:LEU:HD11	2:285:B:ALA:H	17	0.24
(1,2449)	2:284:B:LEU:HD12	2:285:B:ALA:H	17	0.24
(1,2449)	2:284:B:LEU:HD13	2:285:B:ALA:H	17	0.24
(1,2410)	2:280:B:ASP:HB3	2:281:B:GLU:H	1	0.24
(1,2044)	2:266:B:LEU:HD21	2:228:B:MET:H	4	0.24
(1,2044)	2:266:B:LEU:HD22	2:228:B:MET:H	4	0.24
(1,2044)	2:266:B:LEU:HD23	2:228:B:MET:H	4	0.24
(1,1907)	2:204:B:ARG:HG3	2:204:B:ARG:H	10	0.24
(1,1893)	2:202:B:LYS:HD2	2:202:B:LYS:H	2	0.24
(1,1857)	2:195:B:GLU:HG2	2:199:B:ASN:HD22	18	0.24
(1,1832)	2:195:B:GLU:HG2	2:196:B:ASP:H	6	0.24
(1,1567)	2:157:B:LYS:HG3	2:157:B:LYS:H	11	0.24
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	4	0.24
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	4	0.24
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	4	0.24
(1,1474)	2:290:B:TYR:HD1	2:286:B:LEU:HG	12	0.24
(1,1474)	2:290:B:TYR:HD2	2:286:B:LEU:HG	12	0.24
(1,1423)	2:237:B:PHE:HD1	2:181:B:LEU:HD11	10	0.24
(1,1423)	2:237:B:PHE:HD1	2:181:B:LEU:HD12	10	0.24
(1,1423)	2:237:B:PHE:HD1	2:181:B:LEU:HD13	10	0.24
(1,1423)	2:237:B:PHE:HD2	2:181:B:LEU:HD11	10	0.24
(1,1423)	2:237:B:PHE:HD2	2:181:B:LEU:HD12	10	0.24
(1,1423)	2:237:B:PHE:HD2	2:181:B:LEU:HD13	10	0.24
(1,1377)	2:182:B:PHE:HE1	2:184:B:LEU:HD11	1	0.24
(1,1377)	2:182:B:PHE:HE1	2:184:B:LEU:HD12	1	0.24
(1,1377)	2:182:B:PHE:HE1	2:184:B:LEU:HD13	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	2:182:B:PHE:HE2	2:184:B:LEU:HD11	1	0.24
(1,1377)	2:182:B:PHE:HE2	2:184:B:LEU:HD12	1	0.24
(1,1377)	2:182:B:PHE:HE2	2:184:B:LEU:HD13	1	0.24
(1,1301)	2:273:B:MET:HE1	1:220:A:ARG:HD3	4	0.24
(1,1301)	2:273:B:MET:HE2	1:220:A:ARG:HD3	4	0.24
(1,1301)	2:273:B:MET:HE3	1:220:A:ARG:HD3	4	0.24
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	17	0.24
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	17	0.24
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	17	0.24
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	17	0.24
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	17	0.24
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	17	0.24
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	17	0.24
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	17	0.24
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	17	0.24
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	20	0.24
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	20	0.24
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	20	0.24
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	20	0.24
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	20	0.24
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	20	0.24
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	20	0.24
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	20	0.24
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	20	0.24
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG3	2	0.24
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG3	2	0.24
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG3	2	0.24
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD3	6	0.24
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD11	6	0.24
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD12	6	0.24
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD13	6	0.24
(1,930)	2:282:B:LYS:HD2	2:282:B:LYS:HG2	16	0.24
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG21	2	0.24
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG22	2	0.24
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG23	2	0.24
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG21	2	0.24
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG22	2	0.24
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG23	2	0.24
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG21	2	0.24
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG22	2	0.24
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG23	2	0.24
(1,520)	2:290:B:TYR:HB3	2:217:B:VAL:HG11	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	2:290:B:TYR:HB3	2:217:B:VAL:HG12	13	0.24
(1,520)	2:290:B:TYR:HB3	2:217:B:VAL:HG13	13	0.24
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	6	0.24
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	6	0.24
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	6	0.24
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	5	0.24
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	7	0.24
(1,375)	2:187:B:LYS:HD2	2:187:B:LYS:HE3	8	0.24
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	14	0.24
(1,375)	2:187:B:LYS:HD2	2:187:B:LYS:HE3	16	0.24
(1,375)	2:187:B:LYS:HD2	2:187:B:LYS:HE3	17	0.24
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	20	0.24
(1,332)	2:238:B:GLU:HB3	2:181:B:LEU:HD11	1	0.24
(1,332)	2:238:B:GLU:HB3	2:181:B:LEU:HD12	1	0.24
(1,332)	2:238:B:GLU:HB3	2:181:B:LEU:HD13	1	0.24
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD11	11	0.24
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD12	11	0.24
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD13	11	0.24
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD11	11	0.24
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD12	11	0.24
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD13	11	0.24
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD11	11	0.24
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD12	11	0.24
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD13	11	0.24
(1,200)	2:159:B:LYS:HD2	2:159:B:LYS:HG3	1	0.24
(1,168)	2:173:B:ASP:HA	2:177:B:ARG:HG2	5	0.24
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD11	6	0.24
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD12	6	0.24
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD13	6	0.24
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB1	11	0.23
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB2	11	0.23
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB3	11	0.23
(1,3905)	2:286:B:LEU:HD11	1:204:A:PRO:HG2	11	0.23
(1,3905)	2:286:B:LEU:HD12	1:204:A:PRO:HG2	11	0.23
(1,3905)	2:286:B:LEU:HD13	1:204:A:PRO:HG2	11	0.23
(1,3903)	2:268:B:VAL:HG21	1:228:A:PRO:HD3	2	0.23
(1,3903)	2:268:B:VAL:HG22	1:228:A:PRO:HD3	2	0.23
(1,3903)	2:268:B:VAL:HG23	1:228:A:PRO:HD3	2	0.23
(1,3841)	2:267:B:PHE:HZ	2:298:B:LEU:HD21	2	0.23
(1,3841)	2:267:B:PHE:HZ	2:298:B:LEU:HD22	2	0.23
(1,3841)	2:267:B:PHE:HZ	2:298:B:LEU:HD23	2	0.23
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD21	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD22	7	0.23
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD23	7	0.23
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD21	7	0.23
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD22	7	0.23
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD23	7	0.23
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD21	7	0.23
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD22	7	0.23
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD23	7	0.23
(1,3809)	2:282:B:LYS:HG2	2:282:B:LYS:HD2	4	0.23
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG11	19	0.23
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG12	19	0.23
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG13	19	0.23
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG11	19	0.23
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG12	19	0.23
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG13	19	0.23
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG11	19	0.23
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG12	19	0.23
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG13	19	0.23
(1,3773)	2:252:B:ALA:HB1	2:254:B:MET:HE1	10	0.23
(1,3773)	2:252:B:ALA:HB1	2:254:B:MET:HE2	10	0.23
(1,3773)	2:252:B:ALA:HB1	2:254:B:MET:HE3	10	0.23
(1,3773)	2:252:B:ALA:HB2	2:254:B:MET:HE1	10	0.23
(1,3773)	2:252:B:ALA:HB2	2:254:B:MET:HE2	10	0.23
(1,3773)	2:252:B:ALA:HB2	2:254:B:MET:HE3	10	0.23
(1,3773)	2:252:B:ALA:HB3	2:254:B:MET:HE1	10	0.23
(1,3773)	2:252:B:ALA:HB3	2:254:B:MET:HE2	10	0.23
(1,3773)	2:252:B:ALA:HB3	2:254:B:MET:HE3	10	0.23
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB1	10	0.23
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB2	10	0.23
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB3	10	0.23
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD21	15	0.23
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD22	15	0.23
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD23	15	0.23
(1,3726)	2:219:B:ALA:HA	2:222:B:LYS:HE3	13	0.23
(1,3719)	2:221:B:ILE:HD11	2:218:B:VAL:HA	2	0.23
(1,3719)	2:221:B:ILE:HD12	2:218:B:VAL:HA	2	0.23
(1,3719)	2:221:B:ILE:HD13	2:218:B:VAL:HA	2	0.23
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG21	1	0.23
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG22	1	0.23
(1,3649)	2:176:B:THR:HG1	2:175:B:ILE:HG23	1	0.23
(1,3624)	2:296:B:LYS:HE2	2:296:B:LYS:HG2	17	0.23
(1,3500)	1:230:A:GLU:HB2	1:230:A:GLU:HG3	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3500)	1:230:A:GLU:HB2	1:230:A:GLU:HG3	19	0.23
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD21	5	0.23
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD22	5	0.23
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD23	5	0.23
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB1	12	0.23
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB2	12	0.23
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB3	12	0.23
(1,3090)	1:204:A:PRO:HB2	1:204:A:PRO:HD2	12	0.23
(1,3012)	1:207:A:ARG:HB3	1:207:A:ARG:HD3	17	0.23
(1,3000)	1:211:A:GLU:HB3	1:207:A:ARG:HD2	6	0.23
(1,2987)	1:237:A:LEU:HB2	1:237:A:LEU:H	2	0.23
(1,2940)	1:227:A:LEU:HB2	1:227:A:LEU:H	20	0.23
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	11	0.23
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	11	0.23
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	11	0.23
(1,2481)	2:288:B:LEU:HG	2:288:B:LEU:H	14	0.23
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	17	0.23
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	17	0.23
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	17	0.23
(1,1998)	2:222:B:LYS:HB2	2:223:B:GLU:H	17	0.23
(1,1554)	2:155:B:GLU:HG2	2:156:B:VAL:H	4	0.23
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	6	0.23
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	6	0.23
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	6	0.23
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	9	0.23
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	9	0.23
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	9	0.23
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	16	0.23
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	16	0.23
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	16	0.23
(1,1547)	2:155:B:GLU:HB3	2:155:B:GLU:H	5	0.23
(1,1526)	2:319:B:HIS:HE1	2:179:B:LYS:HG3	9	0.23
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD11	1	0.23
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD12	1	0.23
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD13	1	0.23
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD11	1	0.23
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD12	1	0.23
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD13	1	0.23
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD11	6	0.23
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD12	6	0.23
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD13	6	0.23
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD11	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD12	6	0.23
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD13	6	0.23
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD11	6	0.23
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD12	6	0.23
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD13	6	0.23
(1,1260)	2:274:B:LEU:HA	1:213:A:LEU:HD11	16	0.23
(1,1260)	2:274:B:LEU:HA	1:213:A:LEU:HD12	16	0.23
(1,1260)	2:274:B:LEU:HA	1:213:A:LEU:HD13	16	0.23
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD21	4	0.23
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD22	4	0.23
(1,1254)	2:217:B:VAL:HG21	1:206:A:LEU:HD23	4	0.23
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD21	4	0.23
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD22	4	0.23
(1,1254)	2:217:B:VAL:HG22	1:206:A:LEU:HD23	4	0.23
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD21	4	0.23
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD22	4	0.23
(1,1254)	2:217:B:VAL:HG23	1:206:A:LEU:HD23	4	0.23
(1,1141)	2:320:B:ARG:HA	2:320:B:ARG:HD3	8	0.23
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD2	19	0.23
(1,930)	2:282:B:LYS:HD2	2:282:B:LYS:HG2	4	0.23
(1,930)	2:282:B:LYS:HD3	2:282:B:LYS:HG2	7	0.23
(1,930)	2:282:B:LYS:HD2	2:282:B:LYS:HG2	18	0.23
(1,930)	2:282:B:LYS:HD3	2:282:B:LYS:HG2	19	0.23
(1,625)	2:239:B:ARG:HD3	2:236:B:LYS:HA	14	0.23
(1,375)	2:187:B:LYS:HD2	2:187:B:LYS:HE3	2	0.23
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	11	0.23
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	13	0.23
(1,200)	2:159:B:LYS:HB2	2:159:B:LYS:HG3	3	0.23
(1,200)	2:159:B:LYS:HD2	2:159:B:LYS:HG3	4	0.23
(1,200)	2:159:B:LYS:HD2	2:159:B:LYS:HG3	7	0.23
(1,125)	1:212:A:LEU:HD21	2:278:B:PRO:HG2	3	0.23
(1,125)	1:212:A:LEU:HD22	2:278:B:PRO:HG2	3	0.23
(1,125)	1:212:A:LEU:HD23	2:278:B:PRO:HG2	3	0.23
(1,49)	1:218:A:MET:HA	2:227:B:VAL:HG21	13	0.23
(1,49)	1:218:A:MET:HA	2:227:B:VAL:HG22	13	0.23
(1,49)	1:218:A:MET:HA	2:227:B:VAL:HG23	13	0.23
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD11	3	0.22
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD12	3	0.22
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD13	3	0.22
(1,3966)	2:237:B:PHE:HE1	2:181:B:LEU:HD11	10	0.22
(1,3966)	2:237:B:PHE:HE1	2:181:B:LEU:HD12	10	0.22
(1,3966)	2:237:B:PHE:HE1	2:181:B:LEU:HD13	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3966)	2:237:B:PHE:HE2	2:181:B:LEU:HD11	10	0.22
(1,3966)	2:237:B:PHE:HE2	2:181:B:LEU:HD12	10	0.22
(1,3966)	2:237:B:PHE:HE2	2:181:B:LEU:HD13	10	0.22
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG11	17	0.22
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG12	17	0.22
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG13	17	0.22
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG11	17	0.22
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG12	17	0.22
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG13	17	0.22
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	17	0.22
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	17	0.22
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	17	0.22
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	17	0.22
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	17	0.22
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	17	0.22
(1,3937)	2:237:B:PHE:HD1	2:176:B:THR:HA	16	0.22
(1,3937)	2:237:B:PHE:HD2	2:176:B:THR:HA	16	0.22
(1,3927)	2:224:B:TYR:HD1	2:227:B:VAL:HG21	18	0.22
(1,3927)	2:224:B:TYR:HD1	2:227:B:VAL:HG22	18	0.22
(1,3927)	2:224:B:TYR:HD1	2:227:B:VAL:HG23	18	0.22
(1,3927)	2:224:B:TYR:HD2	2:227:B:VAL:HG21	18	0.22
(1,3927)	2:224:B:TYR:HD2	2:227:B:VAL:HG22	18	0.22
(1,3927)	2:224:B:TYR:HD2	2:227:B:VAL:HG23	18	0.22
(1,3915)	2:267:B:PHE:HD1	2:266:B:LEU:HG	3	0.22
(1,3915)	2:267:B:PHE:HD2	2:266:B:LEU:HG	3	0.22
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB1	17	0.22
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB2	17	0.22
(1,3891)	2:266:B:LEU:HD21	1:217:A:ALA:HB3	17	0.22
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB1	17	0.22
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB2	17	0.22
(1,3891)	2:266:B:LEU:HD22	1:217:A:ALA:HB3	17	0.22
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB1	17	0.22
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB2	17	0.22
(1,3891)	2:266:B:LEU:HD23	1:217:A:ALA:HB3	17	0.22
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	10	0.22
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	10	0.22
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	10	0.22
(1,3817)	2:282:B:LYS:HA	2:285:B:ALA:HB1	1	0.22
(1,3817)	2:282:B:LYS:HA	2:285:B:ALA:HB2	1	0.22
(1,3817)	2:282:B:LYS:HA	2:285:B:ALA:HB3	1	0.22
(1,3748)	2:216:B:GLU:HB3	2:216:B:GLU:HA	18	0.22
(1,3748)	2:216:B:GLU:HB3	2:216:B:GLU:HA	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3713)	2:217:B:VAL:HA	2:217:B:VAL:HG11	10	0.22
(1,3713)	2:217:B:VAL:HA	2:217:B:VAL:HG12	10	0.22
(1,3713)	2:217:B:VAL:HA	2:217:B:VAL:HG13	10	0.22
(1,3713)	2:217:B:VAL:HA	2:217:B:VAL:HG11	14	0.22
(1,3713)	2:217:B:VAL:HA	2:217:B:VAL:HG12	14	0.22
(1,3713)	2:217:B:VAL:HA	2:217:B:VAL:HG13	14	0.22
(1,3699)	2:195:B:GLU:HG2	2:198:B:ALA:HB1	13	0.22
(1,3699)	2:195:B:GLU:HG2	2:198:B:ALA:HB2	13	0.22
(1,3699)	2:195:B:GLU:HG2	2:198:B:ALA:HB3	13	0.22
(1,3698)	2:198:B:ALA:HB1	2:195:B:GLU:HG2	13	0.22
(1,3698)	2:198:B:ALA:HB2	2:195:B:GLU:HG2	13	0.22
(1,3698)	2:198:B:ALA:HB3	2:195:B:GLU:HG2	13	0.22
(1,3694)	2:194:B:LEU:HA	2:194:B:LEU:HD11	19	0.22
(1,3694)	2:194:B:LEU:HA	2:194:B:LEU:HD12	19	0.22
(1,3694)	2:194:B:LEU:HA	2:194:B:LEU:HD13	19	0.22
(1,3675)	2:187:B:LYS:HG2	2:187:B:LYS:HD2	5	0.22
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD11	10	0.22
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD12	10	0.22
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD13	10	0.22
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD11	10	0.22
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD12	10	0.22
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD13	10	0.22
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD11	10	0.22
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD12	10	0.22
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD13	10	0.22
(1,3640)	2:233:B:LEU:HD11	2:233:B:LEU:HA	13	0.22
(1,3640)	2:233:B:LEU:HD12	2:233:B:LEU:HA	13	0.22
(1,3640)	2:233:B:LEU:HD13	2:233:B:LEU:HA	13	0.22
(1,3628)	2:156:B:VAL:HA	2:156:B:VAL:HB	1	0.22
(1,3628)	2:156:B:VAL:HA	2:156:B:VAL:HB	3	0.22
(1,3628)	2:236:B:LYS:HA	2:236:B:LYS:HB3	9	0.22
(1,3619)	2:218:B:VAL:HA	2:218:B:VAL:HB	10	0.22
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB1	3	0.22
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB2	3	0.22
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB3	3	0.22
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB1	19	0.22
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB2	19	0.22
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB3	19	0.22
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG21	13	0.22
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG22	13	0.22
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG23	13	0.22
(1,3540)	1:227:A:LEU:HB3	1:232:A:THR:HG21	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3540)	1:227:A:LEU:HB3	1:232:A:THR:HG22	20	0.22
(1,3540)	1:227:A:LEU:HB3	1:232:A:THR:HG23	20	0.22
(1,3500)	1:230:A:GLU:HB3	1:230:A:GLU:HG2	7	0.22
(1,3500)	1:230:A:GLU:HB3	1:230:A:GLU:HG2	8	0.22
(1,3366)	1:222:A:PRO:HD2	1:221:A:ASN:HB3	14	0.22
(1,3283)	1:213:A:LEU:HD11	1:216:A:ALA:HB1	4	0.22
(1,3283)	1:213:A:LEU:HD11	1:216:A:ALA:HB2	4	0.22
(1,3283)	1:213:A:LEU:HD11	1:216:A:ALA:HB3	4	0.22
(1,3283)	1:213:A:LEU:HD12	1:216:A:ALA:HB1	4	0.22
(1,3283)	1:213:A:LEU:HD12	1:216:A:ALA:HB2	4	0.22
(1,3283)	1:213:A:LEU:HD12	1:216:A:ALA:HB3	4	0.22
(1,3283)	1:213:A:LEU:HD13	1:216:A:ALA:HB1	4	0.22
(1,3283)	1:213:A:LEU:HD13	1:216:A:ALA:HB2	4	0.22
(1,3283)	1:213:A:LEU:HD13	1:216:A:ALA:HB3	4	0.22
(1,3134)	1:207:A:ARG:HA	1:207:A:ARG:HD2	10	0.22
(1,3052)	1:203:A:GLN:HG3	1:202:A:VAL:HG21	17	0.22
(1,3052)	1:203:A:GLN:HG3	1:202:A:VAL:HG22	17	0.22
(1,3052)	1:203:A:GLN:HG3	1:202:A:VAL:HG23	17	0.22
(1,2974)	1:232:A:THR:H	1:233:A:CYS:H	4	0.22
(1,2754)	1:202:A:VAL:HB	1:202:A:VAL:H	2	0.22
(1,2627)	2:305:B:LEU:HG	2:305:B:LEU:H	20	0.22
(1,2601)	2:305:B:LEU:HD21	2:301:B:ASN:H	10	0.22
(1,2601)	2:305:B:LEU:HD22	2:301:B:ASN:H	10	0.22
(1,2601)	2:305:B:LEU:HD23	2:301:B:ASN:H	10	0.22
(1,2439)	2:279:B:LEU:HD21	2:284:B:LEU:H	3	0.22
(1,2439)	2:279:B:LEU:HD22	2:284:B:LEU:H	3	0.22
(1,2439)	2:279:B:LEU:HD23	2:284:B:LEU:H	3	0.22
(1,2092)	2:233:B:LEU:HB3	2:234:B:LEU:H	9	0.22
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	12	0.22
(1,1857)	2:195:B:GLU:HG2	2:199:B:ASN:HD22	14	0.22
(1,1778)	2:186:B:ALA:HB1	2:189:B:ASN:H	20	0.22
(1,1778)	2:186:B:ALA:HB2	2:189:B:ASN:H	20	0.22
(1,1778)	2:186:B:ALA:HB3	2:189:B:ASN:H	20	0.22
(1,1598)	2:163:B:GLU:HB2	2:163:B:GLU:H	15	0.22
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	11	0.22
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	11	0.22
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	11	0.22
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	18	0.22
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	18	0.22
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	18	0.22
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD21	20	0.22
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD22	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1334)	2:268:B:VAL:HG21	1:227:A:LEU:HD23	20	0.22
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD21	20	0.22
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD22	20	0.22
(1,1334)	2:268:B:VAL:HG22	1:227:A:LEU:HD23	20	0.22
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD21	20	0.22
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD22	20	0.22
(1,1334)	2:268:B:VAL:HG23	1:227:A:LEU:HD23	20	0.22
(1,1170)	2:320:B:ARG:HD2	2:323:B:VAL:HG21	2	0.22
(1,1170)	2:320:B:ARG:HD2	2:323:B:VAL:HG22	2	0.22
(1,1170)	2:320:B:ARG:HD2	2:323:B:VAL:HG23	2	0.22
(1,1142)	2:320:B:ARG:HB3	2:320:B:ARG:HD3	12	0.22
(1,1140)	2:317:B:GLU:HA	2:320:B:ARG:HD3	19	0.22
(1,1139)	2:320:B:ARG:HG3	2:320:B:ARG:HA	15	0.22
(1,980)	2:158:B:VAL:HA	2:288:B:LEU:HD11	1	0.22
(1,980)	2:158:B:VAL:HA	2:288:B:LEU:HD12	1	0.22
(1,980)	2:158:B:VAL:HA	2:288:B:LEU:HD13	1	0.22
(1,930)	2:282:B:LYS:HD2	2:282:B:LYS:HG2	3	0.22
(1,930)	2:282:B:LYS:HD3	2:282:B:LYS:HG2	9	0.22
(1,930)	2:282:B:LYS:HD3	2:282:B:LYS:HG2	14	0.22
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG11	8	0.22
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG12	8	0.22
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG13	8	0.22
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG11	8	0.22
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG12	8	0.22
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG13	8	0.22
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG21	20	0.22
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG22	20	0.22
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG23	20	0.22
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG21	20	0.22
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG22	20	0.22
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG23	20	0.22
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG21	20	0.22
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG22	20	0.22
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG23	20	0.22
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	4	0.22
(1,326)	2:184:B:LEU:HD11	2:257:B:VAL:HB	14	0.22
(1,326)	2:184:B:LEU:HD12	2:257:B:VAL:HB	14	0.22
(1,326)	2:184:B:LEU:HD13	2:257:B:VAL:HB	14	0.22
(1,200)	2:159:B:LYS:HB2	2:159:B:LYS:HG3	2	0.22
(1,200)	2:159:B:LYS:HD3	2:159:B:LYS:HG3	8	0.22
(1,200)	2:159:B:LYS:HD2	2:159:B:LYS:HG3	15	0.22
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG21	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG22	13	0.22
(1,81)	1:228:A:PRO:HG3	2:268:B:VAL:HG23	13	0.22
(1,3980)	2:306:B:PHE:HZ	2:260:B:ALA:HB1	11	0.21
(1,3980)	2:306:B:PHE:HZ	2:260:B:ALA:HB2	11	0.21
(1,3980)	2:306:B:PHE:HZ	2:260:B:ALA:HB3	11	0.21
(1,3950)	2:267:B:PHE:HD1	2:158:B:VAL:HG21	13	0.21
(1,3950)	2:267:B:PHE:HD1	2:158:B:VAL:HG22	13	0.21
(1,3950)	2:267:B:PHE:HD1	2:158:B:VAL:HG23	13	0.21
(1,3950)	2:267:B:PHE:HD2	2:158:B:VAL:HG21	13	0.21
(1,3950)	2:267:B:PHE:HD2	2:158:B:VAL:HG22	13	0.21
(1,3950)	2:267:B:PHE:HD2	2:158:B:VAL:HG23	13	0.21
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG11	5	0.21
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG12	5	0.21
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG13	5	0.21
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG11	5	0.21
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG12	5	0.21
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG13	5	0.21
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB1	13	0.21
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB2	13	0.21
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB3	13	0.21
(1,3894)	2:236:B:LYS:HG2	1:224:A:GLN:HG2	7	0.21
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	2	0.21
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	2	0.21
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	2	0.21
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD11	17	0.21
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD12	17	0.21
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD13	17	0.21
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD11	17	0.21
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD12	17	0.21
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD13	17	0.21
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD11	17	0.21
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD12	17	0.21
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD13	17	0.21
(1,3877)	2:277:B:THR:HG21	1:213:A:LEU:HG	18	0.21
(1,3877)	2:277:B:THR:HG22	1:213:A:LEU:HG	18	0.21
(1,3877)	2:277:B:THR:HG23	1:213:A:LEU:HG	18	0.21
(1,3852)	2:317:B:GLU:HB2	2:317:B:GLU:HA	3	0.21
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG21	19	0.21
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG22	19	0.21
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG23	19	0.21
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG21	19	0.21
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG22	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG23	19	0.21
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG21	19	0.21
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG22	19	0.21
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG23	19	0.21
(1,3809)	2:282:B:LYS:HG2	2:282:B:LYS:HD2	1	0.21
(1,3809)	2:187:B:LYS:HG3	2:187:B:LYS:HD2	8	0.21
(1,3809)	2:282:B:LYS:HG2	2:282:B:LYS:HD3	11	0.21
(1,3809)	2:210:B:LYS:HG3	2:210:B:LYS:HD2	14	0.21
(1,3809)	2:282:B:LYS:HG2	2:282:B:LYS:HD3	15	0.21
(1,3806)	2:281:B:GLU:HB2	2:281:B:GLU:HG3	5	0.21
(1,3806)	2:317:B:GLU:HB2	2:317:B:GLU:HG3	10	0.21
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE1	2	0.21
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE2	2	0.21
(1,3789)	2:224:B:TYR:HA	2:273:B:MET:HE3	2	0.21
(1,3772)	2:246:B:LEU:HB3	2:254:B:MET:HE1	10	0.21
(1,3772)	2:246:B:LEU:HB3	2:254:B:MET:HE2	10	0.21
(1,3772)	2:246:B:LEU:HB3	2:254:B:MET:HE3	10	0.21
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB1	9	0.21
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB2	9	0.21
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB3	9	0.21
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD21	8	0.21
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD22	8	0.21
(1,3760)	2:242:B:TYR:HA	2:246:B:LEU:HD23	8	0.21
(1,3748)	2:216:B:GLU:HB3	2:216:B:GLU:HA	3	0.21
(1,3748)	2:244:B:GLU:HB3	2:244:B:GLU:HA	5	0.21
(1,3748)	2:216:B:GLU:HB3	2:216:B:GLU:HA	14	0.21
(1,3713)	2:217:B:VAL:HA	2:217:B:VAL:HG11	13	0.21
(1,3713)	2:217:B:VAL:HA	2:217:B:VAL:HG12	13	0.21
(1,3713)	2:217:B:VAL:HA	2:217:B:VAL:HG13	13	0.21
(1,3704)	2:209:B:ASN:HB2	2:209:B:ASN:HA	13	0.21
(1,3678)	2:210:B:LYS:HE2	2:210:B:LYS:HG2	4	0.21
(1,3628)	2:236:B:LYS:HA	2:236:B:LYS:HB3	10	0.21
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB1	10	0.21
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB2	10	0.21
(1,3617)	2:216:B:GLU:HB3	2:219:B:ALA:HB3	10	0.21
(1,3615)	2:187:B:LYS:HE3	2:187:B:LYS:HG3	6	0.21
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD11	14	0.21
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD12	14	0.21
(1,3602)	1:206:A:LEU:HD11	2:274:B:LEU:HD13	14	0.21
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD11	14	0.21
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD12	14	0.21
(1,3602)	1:206:A:LEU:HD12	2:274:B:LEU:HD13	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD11	14	0.21
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD12	14	0.21
(1,3602)	1:206:A:LEU:HD13	2:274:B:LEU:HD13	14	0.21
(1,3597)	1:232:A:THR:HA	2:169:B:VAL:HG11	11	0.21
(1,3597)	1:232:A:THR:HA	2:169:B:VAL:HG12	11	0.21
(1,3597)	1:232:A:THR:HA	2:169:B:VAL:HG13	11	0.21
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG21	18	0.21
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG22	18	0.21
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG23	18	0.21
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD11	9	0.21
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD12	9	0.21
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD13	9	0.21
(1,3523)	1:228:A:PRO:HB2	1:231:A:LEU:HD11	16	0.21
(1,3523)	1:228:A:PRO:HB2	1:231:A:LEU:HD12	16	0.21
(1,3523)	1:228:A:PRO:HB2	1:231:A:LEU:HD13	16	0.21
(1,3500)	1:230:A:GLU:HB3	1:230:A:GLU:HG2	3	0.21
(1,3500)	1:230:A:GLU:HB2	1:230:A:GLU:HG3	13	0.21
(1,3456)	1:231:A:LEU:HB2	1:227:A:LEU:HD21	8	0.21
(1,3456)	1:231:A:LEU:HB2	1:227:A:LEU:HD22	8	0.21
(1,3456)	1:231:A:LEU:HB2	1:227:A:LEU:HD23	8	0.21
(1,3454)	1:232:A:THR:HG21	1:227:A:LEU:HD11	20	0.21
(1,3454)	1:232:A:THR:HG21	1:227:A:LEU:HD12	20	0.21
(1,3454)	1:232:A:THR:HG21	1:227:A:LEU:HD13	20	0.21
(1,3454)	1:232:A:THR:HG22	1:227:A:LEU:HD11	20	0.21
(1,3454)	1:232:A:THR:HG22	1:227:A:LEU:HD12	20	0.21
(1,3454)	1:232:A:THR:HG22	1:227:A:LEU:HD13	20	0.21
(1,3454)	1:232:A:THR:HG23	1:227:A:LEU:HD11	20	0.21
(1,3454)	1:232:A:THR:HG23	1:227:A:LEU:HD12	20	0.21
(1,3454)	1:232:A:THR:HG23	1:227:A:LEU:HD13	20	0.21
(1,3329)	1:219:A:GLU:HG3	1:219:A:GLU:HB3	11	0.21
(1,3150)	1:212:A:LEU:HG	1:208:A:ARG:HD3	14	0.21
(1,3114)	1:228:A:PRO:HD3	1:231:A:LEU:HD21	11	0.21
(1,3114)	1:228:A:PRO:HD3	1:231:A:LEU:HD22	11	0.21
(1,3114)	1:228:A:PRO:HD3	1:231:A:LEU:HD23	11	0.21
(1,3012)	1:207:A:ARG:HB3	1:207:A:ARG:HD3	4	0.21
(1,2744)	1:234:A:THR:HB	1:224:A:GLN:HE21	7	0.21
(1,2553)	2:296:B:LYS:HG3	2:296:B:LYS:H	3	0.21
(1,2449)	2:284:B:LEU:HD11	2:285:B:ALA:H	19	0.21
(1,2449)	2:284:B:LEU:HD12	2:285:B:ALA:H	19	0.21
(1,2449)	2:284:B:LEU:HD13	2:285:B:ALA:H	19	0.21
(1,2446)	2:284:B:LEU:HB3	2:285:B:ALA:H	6	0.21
(1,2319)	2:160:B:ILE:HD11	2:270:B:ILE:H	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2319)	2:160:B:ILE:HD12	2:270:B:ILE:H	6	0.21
(1,2319)	2:160:B:ILE:HD13	2:270:B:ILE:H	6	0.21
(1,2239)	2:226:B:ASN:HD22	2:255:B:SER:H	19	0.21
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	13	0.21
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	13	0.21
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	13	0.21
(1,1957)	2:217:B:VAL:HG21	2:217:B:VAL:H	10	0.21
(1,1957)	2:217:B:VAL:HG22	2:217:B:VAL:H	10	0.21
(1,1957)	2:217:B:VAL:HG23	2:217:B:VAL:H	10	0.21
(1,1716)	2:174:B:LEU:HD11	2:180:B:GLN:HE22	6	0.21
(1,1716)	2:174:B:LEU:HD12	2:180:B:GLN:HE22	6	0.21
(1,1716)	2:174:B:LEU:HD13	2:180:B:GLN:HE22	6	0.21
(1,1716)	2:174:B:LEU:HD11	2:180:B:GLN:HE22	8	0.21
(1,1716)	2:174:B:LEU:HD12	2:180:B:GLN:HE22	8	0.21
(1,1716)	2:174:B:LEU:HD13	2:180:B:GLN:HE22	8	0.21
(1,1690)	2:174:B:LEU:HD11	2:178:B:GLN:HE22	1	0.21
(1,1690)	2:174:B:LEU:HD12	2:178:B:GLN:HE22	1	0.21
(1,1690)	2:174:B:LEU:HD13	2:178:B:GLN:HE22	1	0.21
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	17	0.21
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	17	0.21
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	17	0.21
(1,1547)	2:155:B:GLU:HB2	2:155:B:GLU:H	20	0.21
(1,1486)	2:292:B:HIS:HE1	2:158:B:VAL:HG21	10	0.21
(1,1486)	2:292:B:HIS:HE1	2:158:B:VAL:HG22	10	0.21
(1,1486)	2:292:B:HIS:HE1	2:158:B:VAL:HG23	10	0.21
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	12	0.21
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD11	8	0.21
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD12	8	0.21
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD13	8	0.21
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD11	8	0.21
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD12	8	0.21
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD13	8	0.21
(1,1322)	2:236:B:LYS:HD3	1:224:A:GLN:HG2	17	0.21
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	9	0.21
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	9	0.21
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	9	0.21
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	9	0.21
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	9	0.21
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	9	0.21
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	9	0.21
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	9	0.21
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	19	0.21
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	19	0.21
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	19	0.21
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	19	0.21
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	19	0.21
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	19	0.21
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	19	0.21
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	19	0.21
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	19	0.21
(1,1168)	2:236:B:LYS:HE3	2:323:B:VAL:HG21	8	0.21
(1,1168)	2:236:B:LYS:HE3	2:323:B:VAL:HG22	8	0.21
(1,1168)	2:236:B:LYS:HE3	2:323:B:VAL:HG23	8	0.21
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD3	4	0.21
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD2	18	0.21
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD11	3	0.21
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD12	3	0.21
(1,957)	2:289:B:ASN:HB3	2:286:B:LEU:HD13	3	0.21
(1,930)	2:282:B:LYS:HD2	2:282:B:LYS:HG2	1	0.21
(1,930)	2:282:B:LYS:HD3	2:282:B:LYS:HG2	11	0.21
(1,930)	2:282:B:LYS:HD3	2:282:B:LYS:HG2	15	0.21
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD11	3	0.21
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD12	3	0.21
(1,806)	2:267:B:PHE:HD1	2:266:B:LEU:HD13	3	0.21
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD11	3	0.21
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD12	3	0.21
(1,806)	2:267:B:PHE:HD2	2:266:B:LEU:HD13	3	0.21
(1,623)	2:236:B:LYS:HB3	2:236:B:LYS:HE3	1	0.21
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG11	20	0.21
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG12	20	0.21
(1,560)	2:224:B:TYR:HD1	2:227:B:VAL:HG13	20	0.21
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG11	20	0.21
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG12	20	0.21
(1,560)	2:224:B:TYR:HD2	2:227:B:VAL:HG13	20	0.21
(1,532)	2:222:B:LYS:HB3	2:219:B:ALA:HA	17	0.21
(1,482)	2:201:B:ARG:HA	2:204:B:ARG:HG2	15	0.21
(1,378)	2:187:B:LYS:HG2	2:187:B:LYS:HE3	10	0.21
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	12	0.21
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	15	0.21
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD11	3	0.21
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD12	3	0.21
(1,332)	2:238:B:GLU:HB2	2:181:B:LEU:HD13	3	0.21
(1,214)	2:159:B:LYS:HG2	2:159:B:LYS:HE3	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	2:159:B:LYS:HD3	2:159:B:LYS:HG3	16	0.21
(1,200)	2:159:B:LYS:HD2	2:159:B:LYS:HG3	19	0.21
(1,200)	2:159:B:LYS:HD3	2:159:B:LYS:HG3	20	0.21
(1,151)	1:206:A:LEU:HD11	2:287:B:LEU:HD11	11	0.21
(1,151)	1:206:A:LEU:HD11	2:287:B:LEU:HD12	11	0.21
(1,151)	1:206:A:LEU:HD11	2:287:B:LEU:HD13	11	0.21
(1,151)	1:206:A:LEU:HD12	2:287:B:LEU:HD11	11	0.21
(1,151)	1:206:A:LEU:HD12	2:287:B:LEU:HD12	11	0.21
(1,151)	1:206:A:LEU:HD12	2:287:B:LEU:HD13	11	0.21
(1,151)	1:206:A:LEU:HD13	2:287:B:LEU:HD11	11	0.21
(1,151)	1:206:A:LEU:HD13	2:287:B:LEU:HD12	11	0.21
(1,151)	1:206:A:LEU:HD13	2:287:B:LEU:HD13	11	0.21
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD11	18	0.21
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD12	18	0.21
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD13	18	0.21
(1,95)	1:213:A:LEU:HD11	2:273:B:MET:HG2	2	0.21
(1,95)	1:213:A:LEU:HD12	2:273:B:MET:HG2	2	0.21
(1,95)	1:213:A:LEU:HD13	2:273:B:MET:HG2	2	0.21
(2,24)	1:220:A:ARG:HA	1:223:A:THR:H	5	0.2
(2,24)	1:220:A:ARG:HA	1:223:A:THR:H	16	0.2
(1,3944)	2:242:B:TYR:HE1	2:234:B:LEU:HD21	10	0.2
(1,3944)	2:242:B:TYR:HE1	2:234:B:LEU:HD22	10	0.2
(1,3944)	2:242:B:TYR:HE1	2:234:B:LEU:HD23	10	0.2
(1,3944)	2:242:B:TYR:HE2	2:234:B:LEU:HD21	10	0.2
(1,3944)	2:242:B:TYR:HE2	2:234:B:LEU:HD22	10	0.2
(1,3944)	2:242:B:TYR:HE2	2:234:B:LEU:HD23	10	0.2
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	7	0.2
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	7	0.2
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	7	0.2
(1,3902)	2:268:B:VAL:HG21	1:228:A:PRO:HB2	20	0.2
(1,3902)	2:268:B:VAL:HG22	1:228:A:PRO:HB2	20	0.2
(1,3902)	2:268:B:VAL:HG23	1:228:A:PRO:HB2	20	0.2
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD11	14	0.2
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD12	14	0.2
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD13	14	0.2
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD11	14	0.2
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD12	14	0.2
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD13	14	0.2
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD11	14	0.2
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD12	14	0.2
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD13	14	0.2
(1,3866)	2:210:B:LYS:HA	1:203:A:GLN:HG2	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD11	3	0.2
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD12	3	0.2
(1,3843)	2:193:B:ILE:HG13	2:305:B:LEU:HD13	3	0.2
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB1	20	0.2
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB2	20	0.2
(1,3818)	2:288:B:LEU:HD11	2:285:B:ALA:HB3	20	0.2
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB1	20	0.2
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB2	20	0.2
(1,3818)	2:288:B:LEU:HD12	2:285:B:ALA:HB3	20	0.2
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB1	20	0.2
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB2	20	0.2
(1,3818)	2:288:B:LEU:HD13	2:285:B:ALA:HB3	20	0.2
(1,3813)	2:274:B:LEU:HA	2:284:B:LEU:HD21	16	0.2
(1,3813)	2:274:B:LEU:HA	2:284:B:LEU:HD22	16	0.2
(1,3813)	2:274:B:LEU:HA	2:284:B:LEU:HD23	16	0.2
(1,3809)	2:187:B:LYS:HG3	2:187:B:LYS:HD2	16	0.2
(1,3806)	2:317:B:GLU:HB2	2:317:B:GLU:HG3	17	0.2
(1,3748)	2:216:B:GLU:HB3	2:216:B:GLU:HA	1	0.2
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB1	7	0.2
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB2	7	0.2
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB3	7	0.2
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB1	7	0.2
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB2	7	0.2
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB3	7	0.2
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB1	7	0.2
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB2	7	0.2
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB3	7	0.2
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD21	8	0.2
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD22	8	0.2
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD23	8	0.2
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB1	12	0.2
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB2	12	0.2
(1,3722)	2:315:B:PRO:HB2	2:314:B:ALA:HB3	12	0.2
(1,3670)	2:194:B:LEU:HB2	2:191:B:ASP:HA	4	0.2
(1,3670)	2:194:B:LEU:HB2	2:191:B:ASP:HA	13	0.2
(1,3670)	2:194:B:LEU:HB2	2:191:B:ASP:HA	17	0.2
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD11	7	0.2
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD12	7	0.2
(1,3657)	2:245:B:ILE:HD11	2:184:B:LEU:HD13	7	0.2
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD11	7	0.2
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD12	7	0.2
(1,3657)	2:245:B:ILE:HD12	2:184:B:LEU:HD13	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD11	7	0.2
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD12	7	0.2
(1,3657)	2:245:B:ILE:HD13	2:184:B:LEU:HD13	7	0.2
(1,3649)	2:238:B:GLU:HB2	2:175:B:ILE:HG21	19	0.2
(1,3649)	2:238:B:GLU:HB2	2:175:B:ILE:HG22	19	0.2
(1,3649)	2:238:B:GLU:HB2	2:175:B:ILE:HG23	19	0.2
(1,3619)	2:218:B:VAL:HA	2:218:B:VAL:HB	13	0.2
(1,3619)	2:218:B:VAL:HA	2:218:B:VAL:HB	14	0.2
(1,3551)	1:234:A:THR:HA	1:233:A:CYS:HB2	2	0.2
(1,3500)	1:230:A:GLU:HB3	1:230:A:GLU:HG2	16	0.2
(1,3366)	1:222:A:PRO:HD2	1:221:A:ASN:HB3	11	0.2
(1,3354)	1:220:A:ARG:HG2	1:220:A:ARG:HB2	7	0.2
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB1	1	0.2
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB2	1	0.2
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB3	1	0.2
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB1	3	0.2
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB2	3	0.2
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB3	3	0.2
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD21	4	0.2
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD22	4	0.2
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD23	4	0.2
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	4	0.2
(1,3000)	1:211:A:GLU:HB3	1:208:A:ARG:HD2	20	0.2
(1,2974)	1:232:A:THR:H	1:233:A:CYS:H	11	0.2
(1,2952)	1:231:A:LEU:HB3	1:231:A:LEU:H	16	0.2
(1,2762)	1:203:A:GLN:HB2	1:203:A:GLN:H	5	0.2
(1,2762)	1:203:A:GLN:HB2	1:203:A:GLN:H	9	0.2
(1,2762)	1:203:A:GLN:HB2	1:203:A:GLN:H	12	0.2
(1,2738)	2:321:B:LYS:HB3	2:323:B:VAL:H	11	0.2
(1,2673)	2:312:B:GLU:HG3	2:312:B:GLU:H	11	0.2
(1,2637)	2:305:B:LEU:HD11	2:306:B:PHE:H	3	0.2
(1,2637)	2:305:B:LEU:HD12	2:306:B:PHE:H	3	0.2
(1,2637)	2:305:B:LEU:HD13	2:306:B:PHE:H	3	0.2
(1,2553)	2:296:B:LYS:HG3	2:296:B:LYS:H	4	0.2
(1,2439)	2:279:B:LEU:HD21	2:284:B:LEU:H	13	0.2
(1,2439)	2:279:B:LEU:HD22	2:284:B:LEU:H	13	0.2
(1,2439)	2:279:B:LEU:HD23	2:284:B:LEU:H	13	0.2
(1,2439)	2:279:B:LEU:HD21	2:284:B:LEU:H	17	0.2
(1,2439)	2:279:B:LEU:HD22	2:284:B:LEU:H	17	0.2
(1,2439)	2:279:B:LEU:HD23	2:284:B:LEU:H	17	0.2
(1,2262)	2:258:B:TYR:H	2:257:B:VAL:H	19	0.2
(1,2092)	2:233:B:LEU:HB2	2:234:B:LEU:H	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2044)	2:233:B:LEU:HD11	2:228:B:MET:H	10	0.2
(1,2044)	2:233:B:LEU:HD12	2:228:B:MET:H	10	0.2
(1,2044)	2:233:B:LEU:HD13	2:228:B:MET:H	10	0.2
(1,1957)	2:217:B:VAL:HG21	2:217:B:VAL:H	13	0.2
(1,1957)	2:217:B:VAL:HG22	2:217:B:VAL:H	13	0.2
(1,1957)	2:217:B:VAL:HG23	2:217:B:VAL:H	13	0.2
(1,1957)	2:217:B:VAL:HG21	2:217:B:VAL:H	14	0.2
(1,1957)	2:217:B:VAL:HG22	2:217:B:VAL:H	14	0.2
(1,1957)	2:217:B:VAL:HG23	2:217:B:VAL:H	14	0.2
(1,1907)	2:204:B:ARG:HG2	2:204:B:ARG:H	9	0.2
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	19	0.2
(1,1581)	2:159:B:LYS:HB3	2:160:B:ILE:H	1	0.2
(1,1566)	2:157:B:LYS:HD3	2:157:B:LYS:H	8	0.2
(1,1474)	2:290:B:TYR:HD1	2:286:B:LEU:HG	4	0.2
(1,1474)	2:290:B:TYR:HD2	2:286:B:LEU:HG	4	0.2
(1,1452)	2:262:B:HIS:HD2	2:229:B:LEU:HD21	19	0.2
(1,1452)	2:262:B:HIS:HD2	2:229:B:LEU:HD22	19	0.2
(1,1452)	2:262:B:HIS:HD2	2:229:B:LEU:HD23	19	0.2
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	2	0.2
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	16	0.2
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	19	0.2
(1,1336)	2:268:B:VAL:HG21	1:228:A:PRO:HD2	5	0.2
(1,1336)	2:268:B:VAL:HG22	1:228:A:PRO:HD2	5	0.2
(1,1336)	2:268:B:VAL:HG23	1:228:A:PRO:HD2	5	0.2
(1,1258)	2:273:B:MET:HB2	1:213:A:LEU:HD11	4	0.2
(1,1258)	2:273:B:MET:HB2	1:213:A:LEU:HD12	4	0.2
(1,1258)	2:273:B:MET:HB2	1:213:A:LEU:HD13	4	0.2
(1,1225)	2:287:B:LEU:HD11	1:206:A:LEU:HD21	18	0.2
(1,1225)	2:287:B:LEU:HD11	1:206:A:LEU:HD22	18	0.2
(1,1225)	2:287:B:LEU:HD11	1:206:A:LEU:HD23	18	0.2
(1,1225)	2:287:B:LEU:HD12	1:206:A:LEU:HD21	18	0.2
(1,1225)	2:287:B:LEU:HD12	1:206:A:LEU:HD22	18	0.2
(1,1225)	2:287:B:LEU:HD12	1:206:A:LEU:HD23	18	0.2
(1,1225)	2:287:B:LEU:HD13	1:206:A:LEU:HD21	18	0.2
(1,1225)	2:287:B:LEU:HD13	1:206:A:LEU:HD22	18	0.2
(1,1225)	2:287:B:LEU:HD13	1:206:A:LEU:HD23	18	0.2
(1,1224)	2:216:B:GLU:HB2	1:206:A:LEU:HD21	17	0.2
(1,1224)	2:216:B:GLU:HB2	1:206:A:LEU:HD22	17	0.2
(1,1224)	2:216:B:GLU:HB2	1:206:A:LEU:HD23	17	0.2
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD3	13	0.2
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD2	5	0.2
(1,930)	2:282:B:LYS:HD2	2:282:B:LYS:HG2	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	10	0.2
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	17	0.2
(1,870)	2:156:B:VAL:HG21	2:275:B:ALA:HB1	1	0.2
(1,870)	2:156:B:VAL:HG21	2:275:B:ALA:HB2	1	0.2
(1,870)	2:156:B:VAL:HG21	2:275:B:ALA:HB3	1	0.2
(1,870)	2:156:B:VAL:HG22	2:275:B:ALA:HB1	1	0.2
(1,870)	2:156:B:VAL:HG22	2:275:B:ALA:HB2	1	0.2
(1,870)	2:156:B:VAL:HG22	2:275:B:ALA:HB3	1	0.2
(1,870)	2:156:B:VAL:HG23	2:275:B:ALA:HB1	1	0.2
(1,870)	2:156:B:VAL:HG23	2:275:B:ALA:HB2	1	0.2
(1,870)	2:156:B:VAL:HG23	2:275:B:ALA:HB3	1	0.2
(1,623)	2:236:B:LYS:HB3	2:236:B:LYS:HE2	3	0.2
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD21	6	0.2
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD22	6	0.2
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD23	6	0.2
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD21	15	0.2
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD22	15	0.2
(1,619)	2:239:B:ARG:HD2	2:234:B:LEU:HD23	15	0.2
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE1	19	0.2
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE2	19	0.2
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE3	19	0.2
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG11	20	0.2
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG12	20	0.2
(1,559)	2:224:B:TYR:HA	2:227:B:VAL:HG13	20	0.2
(1,464)	2:214:B:VAL:HG21	2:202:B:LYS:HE3	15	0.2
(1,464)	2:214:B:VAL:HG22	2:202:B:LYS:HE3	15	0.2
(1,464)	2:214:B:VAL:HG23	2:202:B:LYS:HE3	15	0.2
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	7	0.2
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	7	0.2
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	7	0.2
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD11	11	0.2
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD12	11	0.2
(1,433)	2:222:B:LYS:HE3	2:194:B:LEU:HD13	11	0.2
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD11	5	0.2
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD12	5	0.2
(1,432)	2:222:B:LYS:HA	2:194:B:LEU:HD13	5	0.2
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	19	0.2
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD21	20	0.2
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD22	20	0.2
(1,338)	2:314:B:ALA:HA	2:181:B:LEU:HD23	20	0.2
(1,245)	2:268:B:VAL:HG11	2:168:B:LEU:HD21	3	0.2
(1,245)	2:268:B:VAL:HG11	2:168:B:LEU:HD22	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,245)	2:268:B:VAL:HG11	2:168:B:LEU:HD23	3	0.2
(1,245)	2:268:B:VAL:HG12	2:168:B:LEU:HD21	3	0.2
(1,245)	2:268:B:VAL:HG12	2:168:B:LEU:HD22	3	0.2
(1,245)	2:268:B:VAL:HG12	2:168:B:LEU:HD23	3	0.2
(1,245)	2:268:B:VAL:HG13	2:168:B:LEU:HD21	3	0.2
(1,245)	2:268:B:VAL:HG13	2:168:B:LEU:HD22	3	0.2
(1,245)	2:268:B:VAL:HG13	2:168:B:LEU:HD23	3	0.2
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD21	12	0.2
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD22	12	0.2
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD23	12	0.2
(1,214)	2:159:B:LYS:HG2	2:159:B:LYS:HE2	2	0.2
(1,214)	2:159:B:LYS:HG2	2:159:B:LYS:HE2	3	0.2
(1,197)	2:270:B:ILE:HG21	2:158:B:VAL:HG21	15	0.2
(1,197)	2:270:B:ILE:HG21	2:158:B:VAL:HG22	15	0.2
(1,197)	2:270:B:ILE:HG21	2:158:B:VAL:HG23	15	0.2
(1,197)	2:270:B:ILE:HG22	2:158:B:VAL:HG21	15	0.2
(1,197)	2:270:B:ILE:HG22	2:158:B:VAL:HG22	15	0.2
(1,197)	2:270:B:ILE:HG22	2:158:B:VAL:HG23	15	0.2
(1,197)	2:270:B:ILE:HG23	2:158:B:VAL:HG21	15	0.2
(1,197)	2:270:B:ILE:HG23	2:158:B:VAL:HG22	15	0.2
(1,197)	2:270:B:ILE:HG23	2:158:B:VAL:HG23	15	0.2
(1,51)	1:213:A:LEU:HD11	2:228:B:MET:HE1	2	0.2
(1,51)	1:213:A:LEU:HD11	2:228:B:MET:HE2	2	0.2
(1,51)	1:213:A:LEU:HD11	2:228:B:MET:HE3	2	0.2
(1,51)	1:213:A:LEU:HD12	2:228:B:MET:HE1	2	0.2
(1,51)	1:213:A:LEU:HD12	2:228:B:MET:HE2	2	0.2
(1,51)	1:213:A:LEU:HD12	2:228:B:MET:HE3	2	0.2
(1,51)	1:213:A:LEU:HD13	2:228:B:MET:HE1	2	0.2
(1,51)	1:213:A:LEU:HD13	2:228:B:MET:HE2	2	0.2
(1,51)	1:213:A:LEU:HD13	2:228:B:MET:HE3	2	0.2
(1,8)	1:231:A:LEU:HD21	2:168:B:LEU:HD11	13	0.2
(1,8)	1:231:A:LEU:HD21	2:168:B:LEU:HD12	13	0.2
(1,8)	1:231:A:LEU:HD21	2:168:B:LEU:HD13	13	0.2
(1,8)	1:231:A:LEU:HD22	2:168:B:LEU:HD11	13	0.2
(1,8)	1:231:A:LEU:HD22	2:168:B:LEU:HD12	13	0.2
(1,8)	1:231:A:LEU:HD22	2:168:B:LEU:HD13	13	0.2
(1,8)	1:231:A:LEU:HD23	2:168:B:LEU:HD11	13	0.2
(1,8)	1:231:A:LEU:HD23	2:168:B:LEU:HD12	13	0.2
(1,8)	1:231:A:LEU:HD23	2:168:B:LEU:HD13	13	0.2
(3,79)	2:286:B:LEU:O	2:290:B:TYR:H	8	0.19
(2,24)	1:220:A:ARG:HA	1:223:A:THR:H	9	0.19
(1,3976)	2:294:B:PHE:HZ	2:194:B:LEU:HD21	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3976)	2:294:B:PHE:HZ	2:194:B:LEU:HD22	8	0.19
(1,3976)	2:294:B:PHE:HZ	2:194:B:LEU:HD23	8	0.19
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD11	7	0.19
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD12	7	0.19
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD13	7	0.19
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD21	5	0.19
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD22	5	0.19
(1,3900)	2:168:B:LEU:HD21	1:227:A:LEU:HD23	5	0.19
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD21	5	0.19
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD22	5	0.19
(1,3900)	2:168:B:LEU:HD22	1:227:A:LEU:HD23	5	0.19
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD21	5	0.19
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD22	5	0.19
(1,3900)	2:168:B:LEU:HD23	1:227:A:LEU:HD23	5	0.19
(1,3809)	2:282:B:LYS:HG2	2:282:B:LYS:HD3	2	0.19
(1,3806)	2:317:B:GLU:HB2	2:317:B:GLU:HG3	6	0.19
(1,3806)	2:281:B:GLU:HB2	2:281:B:GLU:HG3	12	0.19
(1,3806)	2:281:B:GLU:HB2	2:281:B:GLU:HG3	15	0.19
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	20	0.19
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	20	0.19
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	20	0.19
(1,3762)	2:256:B:GLN:HB2	2:252:B:ALA:HB1	2	0.19
(1,3762)	2:256:B:GLN:HB2	2:252:B:ALA:HB2	2	0.19
(1,3762)	2:256:B:GLN:HB2	2:252:B:ALA:HB3	2	0.19
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD11	2	0.19
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD12	2	0.19
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD13	2	0.19
(1,3747)	2:246:B:LEU:HD21	2:243:B:ALA:HB1	17	0.19
(1,3747)	2:246:B:LEU:HD21	2:243:B:ALA:HB2	17	0.19
(1,3747)	2:246:B:LEU:HD21	2:243:B:ALA:HB3	17	0.19
(1,3747)	2:246:B:LEU:HD22	2:243:B:ALA:HB1	17	0.19
(1,3747)	2:246:B:LEU:HD22	2:243:B:ALA:HB2	17	0.19
(1,3747)	2:246:B:LEU:HD22	2:243:B:ALA:HB3	17	0.19
(1,3747)	2:246:B:LEU:HD23	2:243:B:ALA:HB1	17	0.19
(1,3747)	2:246:B:LEU:HD23	2:243:B:ALA:HB2	17	0.19
(1,3747)	2:246:B:LEU:HD23	2:243:B:ALA:HB3	17	0.19
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD21	20	0.19
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD22	20	0.19
(1,3741)	2:239:B:ARG:HA	2:234:B:LEU:HD23	20	0.19
(1,3738)	2:269:B:ARG:HB2	2:233:B:LEU:HD21	20	0.19
(1,3738)	2:269:B:ARG:HB2	2:233:B:LEU:HD22	20	0.19
(1,3738)	2:269:B:ARG:HB2	2:233:B:LEU:HD23	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3719)	2:221:B:ILE:HD11	2:218:B:VAL:HA	7	0.19
(1,3719)	2:221:B:ILE:HD12	2:218:B:VAL:HA	7	0.19
(1,3719)	2:221:B:ILE:HD13	2:218:B:VAL:HA	7	0.19
(1,3675)	2:187:B:LYS:HG2	2:187:B:LYS:HD2	17	0.19
(1,3640)	2:233:B:LEU:HD11	2:233:B:LEU:HA	3	0.19
(1,3640)	2:233:B:LEU:HD12	2:233:B:LEU:HA	3	0.19
(1,3640)	2:233:B:LEU:HD13	2:233:B:LEU:HA	3	0.19
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB1	14	0.19
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB2	14	0.19
(1,3617)	2:216:B:GLU:HB3	2:213:B:ALA:HB3	14	0.19
(1,3590)	1:204:A:PRO:HB3	1:204:A:PRO:HG2	3	0.19
(1,3590)	1:238:A:PRO:HB3	1:238:A:PRO:HG2	6	0.19
(1,3590)	1:204:A:PRO:HB3	1:204:A:PRO:HG2	18	0.19
(1,3551)	1:234:A:THR:HA	1:233:A:CYS:HB2	16	0.19
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG21	8	0.19
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG22	8	0.19
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG23	8	0.19
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD11	10	0.19
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD12	10	0.19
(1,3527)	1:230:A:GLU:HG2	1:231:A:LEU:HD13	10	0.19
(1,3500)	1:230:A:GLU:HB3	1:230:A:GLU:HG2	2	0.19
(1,3500)	1:230:A:GLU:HB3	1:230:A:GLU:HG2	12	0.19
(1,3329)	1:219:A:GLU:HG3	1:219:A:GLU:HB3	15	0.19
(1,3215)	1:205:A:GLN:HG3	1:206:A:LEU:HD21	4	0.19
(1,3215)	1:205:A:GLN:HG3	1:206:A:LEU:HD22	4	0.19
(1,3215)	1:205:A:GLN:HG3	1:206:A:LEU:HD23	4	0.19
(1,3098)	1:205:A:GLN:HG2	1:205:A:GLN:HA	7	0.19
(1,3095)	1:206:A:LEU:HG	1:205:A:GLN:HA	16	0.19
(1,2974)	1:232:A:THR:H	1:233:A:CYS:H	3	0.19
(1,2974)	1:232:A:THR:H	1:233:A:CYS:H	15	0.19
(1,2934)	1:227:A:LEU:HG	1:227:A:LEU:H	18	0.19
(1,2762)	1:203:A:GLN:HB2	1:203:A:GLN:H	7	0.19
(1,2762)	1:203:A:GLN:HB2	1:203:A:GLN:H	15	0.19
(1,2738)	2:321:B:LYS:HB3	2:323:B:VAL:H	2	0.19
(1,2730)	2:321:B:LYS:HA	2:322:B:ALA:H	13	0.19
(1,2695)	2:315:B:PRO:HB2	2:317:B:GLU:H	3	0.19
(1,2476)	2:287:B:LEU:HB2	2:288:B:LEU:H	1	0.19
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	7	0.19
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	11	0.19
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	17	0.19
(1,2449)	2:257:B:VAL:HG11	2:256:B:GLN:H	6	0.19
(1,2449)	2:257:B:VAL:HG12	2:256:B:GLN:H	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2449)	2:257:B:VAL:HG13	2:256:B:GLN:H	6	0.19
(1,2439)	2:279:B:LEU:HD21	2:284:B:LEU:H	14	0.19
(1,2439)	2:279:B:LEU:HD22	2:284:B:LEU:H	14	0.19
(1,2439)	2:279:B:LEU:HD23	2:284:B:LEU:H	14	0.19
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	10	0.19
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	10	0.19
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	10	0.19
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	19	0.19
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	19	0.19
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	19	0.19
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	20	0.19
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	20	0.19
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	20	0.19
(1,2097)	2:234:B:LEU:HB3	2:234:B:LEU:H	1	0.19
(1,2044)	2:233:B:LEU:HD11	2:228:B:MET:H	12	0.19
(1,2044)	2:233:B:LEU:HD12	2:228:B:MET:H	12	0.19
(1,2044)	2:233:B:LEU:HD13	2:228:B:MET:H	12	0.19
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	10	0.19
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	10	0.19
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	10	0.19
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	10	0.19
(1,1548)	2:155:B:GLU:HG3	2:155:B:GLU:H	2	0.19
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD21	20	0.19
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD22	20	0.19
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD23	20	0.19
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD21	20	0.19
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD22	20	0.19
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD23	20	0.19
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	10	0.19
(1,1336)	2:268:B:VAL:HG21	1:228:A:PRO:HD2	1	0.19
(1,1336)	2:268:B:VAL:HG22	1:228:A:PRO:HD2	1	0.19
(1,1336)	2:268:B:VAL:HG23	1:228:A:PRO:HD2	1	0.19
(1,1326)	2:236:B:LYS:HG3	1:224:A:GLN:HB2	9	0.19
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	5	0.19
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	5	0.19
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	5	0.19
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	5	0.19
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	5	0.19
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	5	0.19
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	5	0.19
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	5	0.19
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG3	13	0.19
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG3	13	0.19
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG3	13	0.19
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD3	11	0.19
(1,1140)	2:317:B:GLU:HA	2:320:B:ARG:HD3	9	0.19
(1,1139)	2:320:B:ARG:HG3	2:320:B:ARG:HA	8	0.19
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD11	13	0.19
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD12	13	0.19
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD13	13	0.19
(1,930)	2:282:B:LYS:HD3	2:282:B:LYS:HG2	2	0.19
(1,927)	2:282:B:LYS:HD2	2:282:B:LYS:HG3	10	0.19
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	3	0.19
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	13	0.19
(1,759)	2:253:B:PRO:HG2	2:256:B:GLN:HG3	5	0.19
(1,758)	2:257:B:VAL:HG11	2:256:B:GLN:HB2	18	0.19
(1,758)	2:257:B:VAL:HG12	2:256:B:GLN:HB2	18	0.19
(1,758)	2:257:B:VAL:HG13	2:256:B:GLN:HB2	18	0.19
(1,749)	2:258:B:TYR:HE1	2:254:B:MET:HE1	20	0.19
(1,749)	2:258:B:TYR:HE1	2:254:B:MET:HE2	20	0.19
(1,749)	2:258:B:TYR:HE1	2:254:B:MET:HE3	20	0.19
(1,749)	2:258:B:TYR:HE2	2:254:B:MET:HE1	20	0.19
(1,749)	2:258:B:TYR:HE2	2:254:B:MET:HE2	20	0.19
(1,749)	2:258:B:TYR:HE2	2:254:B:MET:HE3	20	0.19
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE1	5	0.19
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE2	5	0.19
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE3	5	0.19
(1,414)	2:263:B:LEU:HD21	2:190:B:VAL:HG21	5	0.19
(1,414)	2:263:B:LEU:HD21	2:190:B:VAL:HG22	5	0.19
(1,414)	2:263:B:LEU:HD21	2:190:B:VAL:HG23	5	0.19
(1,414)	2:263:B:LEU:HD22	2:190:B:VAL:HG21	5	0.19
(1,414)	2:263:B:LEU:HD22	2:190:B:VAL:HG22	5	0.19
(1,414)	2:263:B:LEU:HD22	2:190:B:VAL:HG23	5	0.19
(1,414)	2:263:B:LEU:HD23	2:190:B:VAL:HG21	5	0.19
(1,414)	2:263:B:LEU:HD23	2:190:B:VAL:HG22	5	0.19
(1,414)	2:263:B:LEU:HD23	2:190:B:VAL:HG23	5	0.19
(1,378)	2:187:B:LYS:HG2	2:187:B:LYS:HE3	3	0.19
(1,201)	2:159:B:LYS:HA	2:159:B:LYS:HG3	13	0.19
(1,200)	2:159:B:LYS:HD3	2:159:B:LYS:HG3	5	0.19
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG11	7	0.19
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG12	7	0.19
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG13	7	0.19
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG11	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG12	11	0.19
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG13	11	0.19
(1,162)	1:213:A:LEU:HD21	2:287:B:LEU:HD21	16	0.19
(1,162)	1:213:A:LEU:HD21	2:287:B:LEU:HD22	16	0.19
(1,162)	1:213:A:LEU:HD21	2:287:B:LEU:HD23	16	0.19
(1,162)	1:213:A:LEU:HD22	2:287:B:LEU:HD21	16	0.19
(1,162)	1:213:A:LEU:HD22	2:287:B:LEU:HD22	16	0.19
(1,162)	1:213:A:LEU:HD22	2:287:B:LEU:HD23	16	0.19
(1,162)	1:213:A:LEU:HD23	2:287:B:LEU:HD21	16	0.19
(1,162)	1:213:A:LEU:HD23	2:287:B:LEU:HD22	16	0.19
(1,162)	1:213:A:LEU:HD23	2:287:B:LEU:HD23	16	0.19
(1,79)	1:227:A:LEU:HA	2:268:B:VAL:HG21	2	0.19
(1,79)	1:227:A:LEU:HA	2:268:B:VAL:HG22	2	0.19
(1,79)	1:227:A:LEU:HA	2:268:B:VAL:HG23	2	0.19
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG11	12	0.19
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG12	12	0.19
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG13	12	0.19
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG11	12	0.19
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG12	12	0.19
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG13	12	0.19
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG11	12	0.19
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG12	12	0.19
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG13	12	0.19
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	4	0.18
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	4	0.18
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	4	0.18
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	4	0.18
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	4	0.18
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	4	0.18
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	10	0.18
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	10	0.18
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	10	0.18
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	10	0.18
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	10	0.18
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	10	0.18
(1,3937)	2:237:B:PHE:HD1	2:176:B:THR:HA	2	0.18
(1,3937)	2:237:B:PHE:HD2	2:176:B:THR:HA	2	0.18
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD21	9	0.18
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD22	9	0.18
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD23	9	0.18
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD21	9	0.18
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD22	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD23	9	0.18
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD21	9	0.18
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD22	9	0.18
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD23	9	0.18
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD11	18	0.18
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD12	18	0.18
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD13	18	0.18
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD11	18	0.18
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD12	18	0.18
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD13	18	0.18
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD11	18	0.18
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD12	18	0.18
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD13	18	0.18
(1,3877)	2:277:B:THR:HG21	1:213:A:LEU:HG	9	0.18
(1,3877)	2:277:B:THR:HG22	1:213:A:LEU:HG	9	0.18
(1,3877)	2:277:B:THR:HG23	1:213:A:LEU:HG	9	0.18
(1,3866)	2:213:B:ALA:HA	1:203:A:GLN:HG3	7	0.18
(1,3838)	2:294:B:PHE:HE1	2:298:B:LEU:HD11	4	0.18
(1,3838)	2:294:B:PHE:HE1	2:298:B:LEU:HD12	4	0.18
(1,3838)	2:294:B:PHE:HE1	2:298:B:LEU:HD13	4	0.18
(1,3838)	2:294:B:PHE:HE2	2:298:B:LEU:HD11	4	0.18
(1,3838)	2:294:B:PHE:HE2	2:298:B:LEU:HD12	4	0.18
(1,3838)	2:294:B:PHE:HE2	2:298:B:LEU:HD13	4	0.18
(1,3809)	2:187:B:LYS:HG3	2:187:B:LYS:HD2	3	0.18
(1,3809)	2:282:B:LYS:HG2	2:282:B:LYS:HD3	13	0.18
(1,3809)	2:282:B:LYS:HG2	2:282:B:LYS:HD2	20	0.18
(1,3806)	2:317:B:GLU:HB2	2:317:B:GLU:HG3	3	0.18
(1,3806)	2:281:B:GLU:HB2	2:281:B:GLU:HG3	4	0.18
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	9	0.18
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	9	0.18
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	9	0.18
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG11	9	0.18
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG12	9	0.18
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG13	9	0.18
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG11	9	0.18
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG12	9	0.18
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG13	9	0.18
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG11	9	0.18
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG12	9	0.18
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG13	9	0.18
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG11	11	0.18
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG12	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG13	11	0.18
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG11	11	0.18
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG12	11	0.18
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG13	11	0.18
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG11	11	0.18
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG12	11	0.18
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG13	11	0.18
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG11	16	0.18
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG12	16	0.18
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG13	16	0.18
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG11	16	0.18
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG12	16	0.18
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG13	16	0.18
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG11	16	0.18
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG12	16	0.18
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG13	16	0.18
(1,3754)	2:252:B:ALA:HB1	2:245:B:ILE:HD11	15	0.18
(1,3754)	2:252:B:ALA:HB1	2:245:B:ILE:HD12	15	0.18
(1,3754)	2:252:B:ALA:HB1	2:245:B:ILE:HD13	15	0.18
(1,3754)	2:252:B:ALA:HB2	2:245:B:ILE:HD11	15	0.18
(1,3754)	2:252:B:ALA:HB2	2:245:B:ILE:HD12	15	0.18
(1,3754)	2:252:B:ALA:HB2	2:245:B:ILE:HD13	15	0.18
(1,3754)	2:252:B:ALA:HB3	2:245:B:ILE:HD11	15	0.18
(1,3754)	2:252:B:ALA:HB3	2:245:B:ILE:HD12	15	0.18
(1,3754)	2:252:B:ALA:HB3	2:245:B:ILE:HD13	15	0.18
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB1	9	0.18
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB2	9	0.18
(1,3747)	2:194:B:LEU:HD21	2:198:B:ALA:HB3	9	0.18
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB1	9	0.18
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB2	9	0.18
(1,3747)	2:194:B:LEU:HD22	2:198:B:ALA:HB3	9	0.18
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB1	9	0.18
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB2	9	0.18
(1,3747)	2:194:B:LEU:HD23	2:198:B:ALA:HB3	9	0.18
(1,3699)	2:195:B:GLU:HG3	2:198:B:ALA:HB1	15	0.18
(1,3699)	2:195:B:GLU:HG3	2:198:B:ALA:HB2	15	0.18
(1,3699)	2:195:B:GLU:HG3	2:198:B:ALA:HB3	15	0.18
(1,3698)	2:198:B:ALA:HB1	2:195:B:GLU:HG3	15	0.18
(1,3698)	2:198:B:ALA:HB2	2:195:B:GLU:HG3	15	0.18
(1,3698)	2:198:B:ALA:HB3	2:195:B:GLU:HG3	15	0.18
(1,3675)	2:210:B:LYS:HG2	2:210:B:LYS:HD3	9	0.18
(1,3624)	2:296:B:LYS:HE3	2:296:B:LYS:HG2	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3610)	1:205:A:GLN:HA	2:286:B:LEU:HD21	15	0.18
(1,3610)	1:205:A:GLN:HA	2:286:B:LEU:HD22	15	0.18
(1,3610)	1:205:A:GLN:HA	2:286:B:LEU:HD23	15	0.18
(1,3551)	1:234:A:THR:HA	1:233:A:CYS:HB2	14	0.18
(1,3550)	1:234:A:THR:HA	1:233:A:CYS:HB3	8	0.18
(1,3500)	1:230:A:GLU:HB2	1:230:A:GLU:HG3	18	0.18
(1,3326)	1:219:A:GLU:HG2	1:219:A:GLU:HA	2	0.18
(1,3019)	1:209:A:PRO:HD3	1:208:A:ARG:HG3	9	0.18
(1,3012)	1:207:A:ARG:HB3	1:207:A:ARG:HD2	20	0.18
(1,2968)	1:231:A:LEU:HD11	1:232:A:THR:H	6	0.18
(1,2968)	1:231:A:LEU:HD12	1:232:A:THR:H	6	0.18
(1,2968)	1:231:A:LEU:HD13	1:232:A:THR:H	6	0.18
(1,2730)	2:321:B:LYS:HA	2:322:B:ALA:H	8	0.18
(1,2481)	2:288:B:LEU:HG	2:288:B:LEU:H	17	0.18
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	14	0.18
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	15	0.18
(1,2426)	2:282:B:LYS:HD3	2:282:B:LYS:H	6	0.18
(1,2389)	2:284:B:LEU:HD21	2:279:B:LEU:H	16	0.18
(1,2389)	2:284:B:LEU:HD22	2:279:B:LEU:H	16	0.18
(1,2389)	2:284:B:LEU:HD23	2:279:B:LEU:H	16	0.18
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	8	0.18
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	8	0.18
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	8	0.18
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	18	0.18
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	18	0.18
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	18	0.18
(1,2069)	2:269:B:ARG:HB2	2:232:B:GLN:HE22	8	0.18
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	16	0.18
(1,1789)	2:189:B:ASN:HB3	2:191:B:ASP:H	15	0.18
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD21	10	0.18
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD22	10	0.18
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD23	10	0.18
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD21	10	0.18
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD22	10	0.18
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD23	10	0.18
(1,1474)	2:290:B:TYR:HD1	2:286:B:LEU:HG	15	0.18
(1,1474)	2:290:B:TYR:HD2	2:286:B:LEU:HG	15	0.18
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	17	0.18
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	6	0.18
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	6	0.18
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	6	0.18
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	6	0.18
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	6	0.18
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	6	0.18
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	6	0.18
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	6	0.18
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG21	11	0.18
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG22	11	0.18
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG23	11	0.18
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD3	17	0.18
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD2	19	0.18
(1,1145)	2:320:B:ARG:HB2	2:320:B:ARG:HG2	12	0.18
(1,1142)	2:320:B:ARG:HB3	2:320:B:ARG:HD3	15	0.18
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD11	10	0.18
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD12	10	0.18
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD13	10	0.18
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD11	10	0.18
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD12	10	0.18
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD13	10	0.18
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD11	10	0.18
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD12	10	0.18
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD13	10	0.18
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD2	13	0.18
(1,930)	2:282:B:LYS:HD3	2:282:B:LYS:HG2	13	0.18
(1,930)	2:282:B:LYS:HD2	2:282:B:LYS:HG2	20	0.18
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	6	0.18
(1,915)	2:281:B:GLU:HA	2:281:B:GLU:HG2	10	0.18
(1,630)	2:236:B:LYS:HG3	2:236:B:LYS:HE2	15	0.18
(1,580)	2:234:B:LEU:HD11	2:229:B:LEU:HD11	9	0.18
(1,580)	2:234:B:LEU:HD11	2:229:B:LEU:HD12	9	0.18
(1,580)	2:234:B:LEU:HD11	2:229:B:LEU:HD13	9	0.18
(1,580)	2:234:B:LEU:HD12	2:229:B:LEU:HD11	9	0.18
(1,580)	2:234:B:LEU:HD12	2:229:B:LEU:HD12	9	0.18
(1,580)	2:234:B:LEU:HD12	2:229:B:LEU:HD13	9	0.18
(1,580)	2:234:B:LEU:HD13	2:229:B:LEU:HD11	9	0.18
(1,580)	2:234:B:LEU:HD13	2:229:B:LEU:HD12	9	0.18
(1,580)	2:234:B:LEU:HD13	2:229:B:LEU:HD13	9	0.18
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG21	14	0.18
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG22	14	0.18
(1,548)	2:263:B:LEU:HD21	2:221:B:ILE:HG23	14	0.18
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG21	14	0.18
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG22	14	0.18
(1,548)	2:263:B:LEU:HD22	2:221:B:ILE:HG23	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG21	14	0.18
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG22	14	0.18
(1,548)	2:263:B:LEU:HD23	2:221:B:ILE:HG23	14	0.18
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	10	0.18
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB1	9	0.18
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB2	9	0.18
(1,368)	2:189:B:ASN:HB2	2:186:B:ALA:HB3	9	0.18
(1,242)	2:168:B:LEU:HA	2:168:B:LEU:HD11	7	0.18
(1,242)	2:168:B:LEU:HA	2:168:B:LEU:HD12	7	0.18
(1,242)	2:168:B:LEU:HA	2:168:B:LEU:HD13	7	0.18
(1,242)	2:168:B:LEU:HA	2:168:B:LEU:HD11	16	0.18
(1,242)	2:168:B:LEU:HA	2:168:B:LEU:HD12	16	0.18
(1,242)	2:168:B:LEU:HA	2:168:B:LEU:HD13	16	0.18
(1,200)	2:159:B:LYS:HB2	2:159:B:LYS:HG3	17	0.18
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG11	12	0.18
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG12	12	0.18
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG13	12	0.18
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG11	17	0.18
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG12	17	0.18
(1,179)	2:156:B:VAL:HA	2:156:B:VAL:HG13	17	0.18
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD11	9	0.18
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD12	9	0.18
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD13	9	0.18
(1,11)	1:231:A:LEU:HA	2:169:B:VAL:HG21	17	0.18
(1,11)	1:231:A:LEU:HA	2:169:B:VAL:HG22	17	0.18
(1,11)	1:231:A:LEU:HA	2:169:B:VAL:HG23	17	0.18
(1,3940)	2:237:B:PHE:HE1	2:314:B:ALA:HB1	2	0.17
(1,3940)	2:237:B:PHE:HE1	2:314:B:ALA:HB2	2	0.17
(1,3940)	2:237:B:PHE:HE1	2:314:B:ALA:HB3	2	0.17
(1,3940)	2:237:B:PHE:HE2	2:314:B:ALA:HB1	2	0.17
(1,3940)	2:237:B:PHE:HE2	2:314:B:ALA:HB2	2	0.17
(1,3940)	2:237:B:PHE:HE2	2:314:B:ALA:HB3	2	0.17
(1,3903)	2:268:B:VAL:HG21	1:228:A:PRO:HD3	14	0.17
(1,3903)	2:268:B:VAL:HG22	1:228:A:PRO:HD3	14	0.17
(1,3903)	2:268:B:VAL:HG23	1:228:A:PRO:HD3	14	0.17
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	7	0.17
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	7	0.17
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	7	0.17
(1,3877)	2:277:B:THR:HG21	1:213:A:LEU:HG	3	0.17
(1,3877)	2:277:B:THR:HG22	1:213:A:LEU:HG	3	0.17
(1,3877)	2:277:B:THR:HG23	1:213:A:LEU:HG	3	0.17
(1,3844)	2:188:B:LYS:HB2	2:305:B:LEU:HD11	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3844)	2:188:B:LYS:HB2	2:305:B:LEU:HD12	2	0.17
(1,3844)	2:188:B:LYS:HB2	2:305:B:LEU:HD13	2	0.17
(1,3842)	2:194:B:LEU:HB2	2:218:B:VAL:HG11	1	0.17
(1,3842)	2:194:B:LEU:HB2	2:218:B:VAL:HG12	1	0.17
(1,3842)	2:194:B:LEU:HB2	2:218:B:VAL:HG13	1	0.17
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG21	3	0.17
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG22	3	0.17
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG23	3	0.17
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG21	3	0.17
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG22	3	0.17
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG23	3	0.17
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG21	3	0.17
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG22	3	0.17
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG23	3	0.17
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG21	15	0.17
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG22	15	0.17
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG23	15	0.17
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG21	15	0.17
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG22	15	0.17
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG23	15	0.17
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG21	15	0.17
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG22	15	0.17
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG23	15	0.17
(1,3809)	2:210:B:LYS:HG3	2:210:B:LYS:HD2	6	0.17
(1,3809)	2:187:B:LYS:HG3	2:187:B:LYS:HD2	7	0.17
(1,3809)	2:187:B:LYS:HG3	2:187:B:LYS:HD2	9	0.17
(1,3806)	2:317:B:GLU:HB2	2:317:B:GLU:HG3	7	0.17
(1,3806)	2:281:B:GLU:HB2	2:281:B:GLU:HG3	14	0.17
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	6	0.17
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	6	0.17
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	6	0.17
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	18	0.17
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	18	0.17
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	18	0.17
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD21	19	0.17
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD22	19	0.17
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD23	19	0.17
(1,3699)	2:195:B:GLU:HG2	2:198:B:ALA:HB1	19	0.17
(1,3699)	2:195:B:GLU:HG2	2:198:B:ALA:HB2	19	0.17
(1,3699)	2:195:B:GLU:HG2	2:198:B:ALA:HB3	19	0.17
(1,3698)	2:198:B:ALA:HB1	2:195:B:GLU:HG2	19	0.17
(1,3698)	2:198:B:ALA:HB2	2:195:B:GLU:HG2	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3698)	2:198:B:ALA:HB3	2:195:B:GLU:HG2	19	0.17
(1,3681)	2:193:B:ILE:HD11	2:188:B:LYS:HE3	20	0.17
(1,3681)	2:193:B:ILE:HD12	2:188:B:LYS:HE3	20	0.17
(1,3681)	2:193:B:ILE:HD13	2:188:B:LYS:HE3	20	0.17
(1,3677)	2:187:B:LYS:HB3	2:187:B:LYS:HG2	8	0.17
(1,3675)	2:210:B:LYS:HG2	2:210:B:LYS:HD3	16	0.17
(1,3662)	2:279:B:LEU:HD21	2:283:B:SER:HA	13	0.17
(1,3662)	2:279:B:LEU:HD22	2:283:B:SER:HA	13	0.17
(1,3662)	2:279:B:LEU:HD23	2:283:B:SER:HA	13	0.17
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG21	20	0.17
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG22	20	0.17
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG23	20	0.17
(1,3500)	1:230:A:GLU:HB2	1:230:A:GLU:HG3	6	0.17
(1,3500)	1:230:A:GLU:HB3	1:230:A:GLU:HG2	10	0.17
(1,3495)	1:230:A:GLU:HA	1:229:A:ASN:HB2	4	0.17
(1,3329)	1:219:A:GLU:HG3	1:219:A:GLU:HB3	2	0.17
(1,3276)	1:218:A:MET:HE1	1:215:A:ALA:HB1	13	0.17
(1,3276)	1:218:A:MET:HE1	1:215:A:ALA:HB2	13	0.17
(1,3276)	1:218:A:MET:HE1	1:215:A:ALA:HB3	13	0.17
(1,3276)	1:218:A:MET:HE2	1:215:A:ALA:HB1	13	0.17
(1,3276)	1:218:A:MET:HE2	1:215:A:ALA:HB2	13	0.17
(1,3276)	1:218:A:MET:HE2	1:215:A:ALA:HB3	13	0.17
(1,3276)	1:218:A:MET:HE3	1:215:A:ALA:HB1	13	0.17
(1,3276)	1:218:A:MET:HE3	1:215:A:ALA:HB2	13	0.17
(1,3276)	1:218:A:MET:HE3	1:215:A:ALA:HB3	13	0.17
(1,3276)	1:218:A:MET:HE1	1:215:A:ALA:HB1	20	0.17
(1,3276)	1:218:A:MET:HE1	1:215:A:ALA:HB2	20	0.17
(1,3276)	1:218:A:MET:HE1	1:215:A:ALA:HB3	20	0.17
(1,3276)	1:218:A:MET:HE2	1:215:A:ALA:HB1	20	0.17
(1,3276)	1:218:A:MET:HE2	1:215:A:ALA:HB2	20	0.17
(1,3276)	1:218:A:MET:HE2	1:215:A:ALA:HB3	20	0.17
(1,3276)	1:218:A:MET:HE3	1:215:A:ALA:HB1	20	0.17
(1,3276)	1:218:A:MET:HE3	1:215:A:ALA:HB2	20	0.17
(1,3276)	1:218:A:MET:HE3	1:215:A:ALA:HB3	20	0.17
(1,3012)	1:207:A:ARG:HB3	1:207:A:ARG:HD3	16	0.17
(1,2998)	1:220:A:ARG:HA	1:220:A:ARG:HG2	14	0.17
(1,2952)	1:231:A:LEU:HB3	1:231:A:LEU:H	12	0.17
(1,2942)	1:227:A:LEU:HD21	1:227:A:LEU:H	4	0.17
(1,2942)	1:227:A:LEU:HD22	1:227:A:LEU:H	4	0.17
(1,2942)	1:227:A:LEU:HD23	1:227:A:LEU:H	4	0.17
(1,2941)	1:227:A:LEU:HD11	1:227:A:LEU:H	8	0.17
(1,2941)	1:227:A:LEU:HD12	1:227:A:LEU:H	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2941)	1:227:A:LEU:HD13	1:227:A:LEU:H	8	0.17
(1,2876)	1:219:A:GLU:HG2	1:219:A:GLU:H	11	0.17
(1,2876)	1:219:A:GLU:HG2	1:219:A:GLU:H	15	0.17
(1,2764)	1:202:A:VAL:HA	1:203:A:GLN:H	17	0.17
(1,2738)	2:321:B:LYS:HB3	2:323:B:VAL:H	5	0.17
(1,2730)	2:321:B:LYS:HA	2:322:B:ALA:H	17	0.17
(1,2601)	2:305:B:LEU:HD21	2:301:B:ASN:H	13	0.17
(1,2601)	2:305:B:LEU:HD22	2:301:B:ASN:H	13	0.17
(1,2601)	2:305:B:LEU:HD23	2:301:B:ASN:H	13	0.17
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	12	0.17
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	20	0.17
(1,2449)	2:284:B:LEU:HD11	2:285:B:ALA:H	3	0.17
(1,2449)	2:284:B:LEU:HD12	2:285:B:ALA:H	3	0.17
(1,2449)	2:284:B:LEU:HD13	2:285:B:ALA:H	3	0.17
(1,2446)	2:284:B:LEU:HB3	2:285:B:ALA:H	11	0.17
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	1	0.17
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	1	0.17
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	1	0.17
(1,2065)	2:232:B:GLN:H	2:231:B:THR:H	7	0.17
(1,1907)	2:204:B:ARG:HG2	2:204:B:ARG:H	14	0.17
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	9	0.17
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	15	0.17
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	18	0.17
(1,1857)	2:195:B:GLU:HG2	2:199:B:ASN:HD22	8	0.17
(1,1566)	2:157:B:LYS:HD3	2:157:B:LYS:H	5	0.17
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD11	7	0.17
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD12	7	0.17
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD13	7	0.17
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD11	7	0.17
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD12	7	0.17
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD13	7	0.17
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD11	17	0.17
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD12	17	0.17
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD13	17	0.17
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD11	17	0.17
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD12	17	0.17
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD13	17	0.17
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD11	19	0.17
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD12	19	0.17
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD13	19	0.17
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD11	19	0.17
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD12	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD13	19	0.17
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	6	0.17
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	9	0.17
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD11	15	0.17
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD12	15	0.17
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD13	15	0.17
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD11	15	0.17
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD12	15	0.17
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD13	15	0.17
(1,1336)	2:268:B:VAL:HG21	1:228:A:PRO:HD2	2	0.17
(1,1336)	2:268:B:VAL:HG22	1:228:A:PRO:HD2	2	0.17
(1,1336)	2:268:B:VAL:HG23	1:228:A:PRO:HD2	2	0.17
(1,1226)	2:287:B:LEU:HD21	1:206:A:LEU:HD21	4	0.17
(1,1226)	2:287:B:LEU:HD21	1:206:A:LEU:HD22	4	0.17
(1,1226)	2:287:B:LEU:HD21	1:206:A:LEU:HD23	4	0.17
(1,1226)	2:287:B:LEU:HD22	1:206:A:LEU:HD21	4	0.17
(1,1226)	2:287:B:LEU:HD22	1:206:A:LEU:HD22	4	0.17
(1,1226)	2:287:B:LEU:HD22	1:206:A:LEU:HD23	4	0.17
(1,1226)	2:287:B:LEU:HD23	1:206:A:LEU:HD21	4	0.17
(1,1226)	2:287:B:LEU:HD23	1:206:A:LEU:HD22	4	0.17
(1,1226)	2:287:B:LEU:HD23	1:206:A:LEU:HD23	4	0.17
(1,1225)	2:287:B:LEU:HD11	1:206:A:LEU:HD21	16	0.17
(1,1225)	2:287:B:LEU:HD11	1:206:A:LEU:HD22	16	0.17
(1,1225)	2:287:B:LEU:HD11	1:206:A:LEU:HD23	16	0.17
(1,1225)	2:287:B:LEU:HD12	1:206:A:LEU:HD21	16	0.17
(1,1225)	2:287:B:LEU:HD12	1:206:A:LEU:HD22	16	0.17
(1,1225)	2:287:B:LEU:HD12	1:206:A:LEU:HD23	16	0.17
(1,1225)	2:287:B:LEU:HD13	1:206:A:LEU:HD21	16	0.17
(1,1225)	2:287:B:LEU:HD13	1:206:A:LEU:HD22	16	0.17
(1,1225)	2:287:B:LEU:HD13	1:206:A:LEU:HD23	16	0.17
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG3	11	0.17
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG3	11	0.17
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG3	11	0.17
(1,1209)	2:286:B:LEU:HD21	1:204:A:PRO:HB2	17	0.17
(1,1209)	2:286:B:LEU:HD22	1:204:A:PRO:HB2	17	0.17
(1,1209)	2:286:B:LEU:HD23	1:204:A:PRO:HB2	17	0.17
(1,1145)	2:320:B:ARG:HB2	2:320:B:ARG:HG2	15	0.17
(1,938)	2:284:B:LEU:HA	2:284:B:LEU:HD11	6	0.17
(1,938)	2:284:B:LEU:HA	2:284:B:LEU:HD12	6	0.17
(1,938)	2:284:B:LEU:HA	2:284:B:LEU:HD13	6	0.17
(1,916)	2:281:B:GLU:HB3	2:281:B:GLU:HG2	20	0.17
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG21	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG22	16	0.17
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG23	16	0.17
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG21	16	0.17
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG22	16	0.17
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG23	16	0.17
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG21	16	0.17
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG22	16	0.17
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG23	16	0.17
(1,760)	2:257:B:VAL:HG11	2:256:B:GLN:HG2	4	0.17
(1,760)	2:257:B:VAL:HG12	2:256:B:GLN:HG2	4	0.17
(1,760)	2:257:B:VAL:HG13	2:256:B:GLN:HG2	4	0.17
(1,759)	2:253:B:PRO:HG2	2:256:B:GLN:HG3	20	0.17
(1,637)	2:239:B:ARG:HA	2:239:B:ARG:HD3	19	0.17
(1,575)	2:273:B:MET:HG3	2:228:B:MET:HE1	6	0.17
(1,575)	2:273:B:MET:HG3	2:228:B:MET:HE2	6	0.17
(1,575)	2:273:B:MET:HG3	2:228:B:MET:HE3	6	0.17
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	3	0.17
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	9	0.17
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD21	3	0.17
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD22	3	0.17
(1,239)	2:299:B:ALA:HA	2:164:B:LEU:HD23	3	0.17
(1,125)	1:212:A:LEU:HD21	2:278:B:PRO:HG2	12	0.17
(1,125)	1:212:A:LEU:HD22	2:278:B:PRO:HG2	12	0.17
(1,125)	1:212:A:LEU:HD23	2:278:B:PRO:HG2	12	0.17
(1,119)	1:213:A:LEU:HD11	2:277:B:THR:HG21	2	0.17
(1,119)	1:213:A:LEU:HD11	2:277:B:THR:HG22	2	0.17
(1,119)	1:213:A:LEU:HD11	2:277:B:THR:HG23	2	0.17
(1,119)	1:213:A:LEU:HD12	2:277:B:THR:HG21	2	0.17
(1,119)	1:213:A:LEU:HD12	2:277:B:THR:HG22	2	0.17
(1,119)	1:213:A:LEU:HD12	2:277:B:THR:HG23	2	0.17
(1,119)	1:213:A:LEU:HD13	2:277:B:THR:HG21	2	0.17
(1,119)	1:213:A:LEU:HD13	2:277:B:THR:HG22	2	0.17
(1,119)	1:213:A:LEU:HD13	2:277:B:THR:HG23	2	0.17
(1,119)	1:213:A:LEU:HD11	2:277:B:THR:HG21	16	0.17
(1,119)	1:213:A:LEU:HD11	2:277:B:THR:HG22	16	0.17
(1,119)	1:213:A:LEU:HD11	2:277:B:THR:HG23	16	0.17
(1,119)	1:213:A:LEU:HD12	2:277:B:THR:HG21	16	0.17
(1,119)	1:213:A:LEU:HD12	2:277:B:THR:HG22	16	0.17
(1,119)	1:213:A:LEU:HD12	2:277:B:THR:HG23	16	0.17
(1,119)	1:213:A:LEU:HD13	2:277:B:THR:HG21	16	0.17
(1,119)	1:213:A:LEU:HD13	2:277:B:THR:HG22	16	0.17
(1,119)	1:213:A:LEU:HD13	2:277:B:THR:HG23	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,79)	2:286:B:LEU:O	2:290:B:TYR:H	5	0.16
(3,79)	2:286:B:LEU:O	2:290:B:TYR:H	14	0.16
(2,24)	1:220:A:ARG:HA	1:223:A:THR:H	13	0.16
(2,24)	1:220:A:ARG:HA	1:223:A:THR:H	19	0.16
(2,8)	2:243:B:ALA:HB1	2:246:B:LEU:HD21	9	0.16
(2,8)	2:243:B:ALA:HB1	2:246:B:LEU:HD22	9	0.16
(2,8)	2:243:B:ALA:HB1	2:246:B:LEU:HD23	9	0.16
(2,8)	2:243:B:ALA:HB2	2:246:B:LEU:HD21	9	0.16
(2,8)	2:243:B:ALA:HB2	2:246:B:LEU:HD22	9	0.16
(2,8)	2:243:B:ALA:HB2	2:246:B:LEU:HD23	9	0.16
(2,8)	2:243:B:ALA:HB3	2:246:B:LEU:HD21	9	0.16
(2,8)	2:243:B:ALA:HB3	2:246:B:LEU:HD22	9	0.16
(2,8)	2:243:B:ALA:HB3	2:246:B:LEU:HD23	9	0.16
(1,3969)	2:319:B:HIS:HE1	2:179:B:LYS:HD2	14	0.16
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG11	2	0.16
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG12	2	0.16
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG13	2	0.16
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG11	2	0.16
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG12	2	0.16
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG13	2	0.16
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD11	13	0.16
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD12	13	0.16
(1,3909)	2:169:B:VAL:HA	1:231:A:LEU:HD13	13	0.16
(1,3894)	2:236:B:LYS:HG2	1:224:A:GLN:HG2	16	0.16
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD11	17	0.16
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD12	17	0.16
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD13	17	0.16
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD11	17	0.16
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD12	17	0.16
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD13	17	0.16
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD11	17	0.16
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD12	17	0.16
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD13	17	0.16
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD21	16	0.16
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD22	16	0.16
(1,3814)	2:288:B:LEU:HD21	2:284:B:LEU:HD23	16	0.16
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD21	16	0.16
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD22	16	0.16
(1,3814)	2:288:B:LEU:HD22	2:284:B:LEU:HD23	16	0.16
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD21	16	0.16
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD22	16	0.16
(1,3814)	2:288:B:LEU:HD23	2:284:B:LEU:HD23	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3813)	2:156:B:VAL:HA	2:284:B:LEU:HD21	18	0.16
(1,3813)	2:156:B:VAL:HA	2:284:B:LEU:HD22	18	0.16
(1,3813)	2:156:B:VAL:HA	2:284:B:LEU:HD23	18	0.16
(1,3809)	2:187:B:LYS:HG3	2:187:B:LYS:HD3	12	0.16
(1,3806)	2:317:B:GLU:HB3	2:317:B:GLU:HG2	8	0.16
(1,3806)	2:281:B:GLU:HB2	2:281:B:GLU:HG3	16	0.16
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	10	0.16
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	10	0.16
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	10	0.16
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	14	0.16
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	14	0.16
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	14	0.16
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	19	0.16
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	19	0.16
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	19	0.16
(1,3790)	2:270:B:ILE:HD11	2:273:B:MET:HE1	9	0.16
(1,3790)	2:270:B:ILE:HD11	2:273:B:MET:HE2	9	0.16
(1,3790)	2:270:B:ILE:HD11	2:273:B:MET:HE3	9	0.16
(1,3790)	2:270:B:ILE:HD12	2:273:B:MET:HE1	9	0.16
(1,3790)	2:270:B:ILE:HD12	2:273:B:MET:HE2	9	0.16
(1,3790)	2:270:B:ILE:HD12	2:273:B:MET:HE3	9	0.16
(1,3790)	2:270:B:ILE:HD13	2:273:B:MET:HE1	9	0.16
(1,3790)	2:270:B:ILE:HD13	2:273:B:MET:HE2	9	0.16
(1,3790)	2:270:B:ILE:HD13	2:273:B:MET:HE3	9	0.16
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG21	2	0.16
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG22	2	0.16
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG23	2	0.16
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG21	7	0.16
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG22	7	0.16
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG23	7	0.16
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG21	15	0.16
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG22	15	0.16
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG23	15	0.16
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG11	13	0.16
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG12	13	0.16
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG13	13	0.16
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG11	13	0.16
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG12	13	0.16
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG13	13	0.16
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG11	13	0.16
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG12	13	0.16
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG13	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB1	11	0.16
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB2	11	0.16
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB3	11	0.16
(1,3747)	2:246:B:LEU:HD21	2:243:B:ALA:HB1	18	0.16
(1,3747)	2:246:B:LEU:HD21	2:243:B:ALA:HB2	18	0.16
(1,3747)	2:246:B:LEU:HD21	2:243:B:ALA:HB3	18	0.16
(1,3747)	2:246:B:LEU:HD22	2:243:B:ALA:HB1	18	0.16
(1,3747)	2:246:B:LEU:HD22	2:243:B:ALA:HB2	18	0.16
(1,3747)	2:246:B:LEU:HD22	2:243:B:ALA:HB3	18	0.16
(1,3747)	2:246:B:LEU:HD23	2:243:B:ALA:HB1	18	0.16
(1,3747)	2:246:B:LEU:HD23	2:243:B:ALA:HB2	18	0.16
(1,3747)	2:246:B:LEU:HD23	2:243:B:ALA:HB3	18	0.16
(1,3703)	2:204:B:ARG:HG3	2:201:B:ARG:HA	7	0.16
(1,3688)	2:221:B:ILE:HG21	2:190:B:VAL:HG21	8	0.16
(1,3688)	2:221:B:ILE:HG21	2:190:B:VAL:HG22	8	0.16
(1,3688)	2:221:B:ILE:HG21	2:190:B:VAL:HG23	8	0.16
(1,3688)	2:221:B:ILE:HG22	2:190:B:VAL:HG21	8	0.16
(1,3688)	2:221:B:ILE:HG22	2:190:B:VAL:HG22	8	0.16
(1,3688)	2:221:B:ILE:HG22	2:190:B:VAL:HG23	8	0.16
(1,3688)	2:221:B:ILE:HG23	2:190:B:VAL:HG21	8	0.16
(1,3688)	2:221:B:ILE:HG23	2:190:B:VAL:HG22	8	0.16
(1,3688)	2:221:B:ILE:HG23	2:190:B:VAL:HG23	8	0.16
(1,3677)	2:210:B:LYS:HB2	2:210:B:LYS:HG2	15	0.16
(1,3677)	2:210:B:LYS:HB2	2:210:B:LYS:HG2	17	0.16
(1,3677)	2:187:B:LYS:HB3	2:187:B:LYS:HG2	19	0.16
(1,3670)	2:194:B:LEU:HB2	2:191:B:ASP:HA	18	0.16
(1,3640)	2:233:B:LEU:HD11	2:233:B:LEU:HA	15	0.16
(1,3640)	2:233:B:LEU:HD12	2:233:B:LEU:HA	15	0.16
(1,3640)	2:233:B:LEU:HD13	2:233:B:LEU:HA	15	0.16
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG11	1	0.16
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG12	1	0.16
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG13	1	0.16
(1,3590)	1:238:A:PRO:HB3	1:238:A:PRO:HG2	2	0.16
(1,3515)	1:230:A:GLU:HG3	1:231:A:LEU:HG	7	0.16
(1,3499)	1:230:A:GLU:HA	1:230:A:GLU:HG2	3	0.16
(1,3499)	1:230:A:GLU:HA	1:230:A:GLU:HG2	11	0.16
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD21	4	0.16
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD22	4	0.16
(1,3455)	1:228:A:PRO:HA	1:227:A:LEU:HD23	4	0.16
(1,3331)	1:216:A:ALA:HA	1:219:A:GLU:HB2	12	0.16
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB1	17	0.16
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB2	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB3	17	0.16
(1,3151)	1:212:A:LEU:HD11	1:208:A:ARG:HD2	5	0.16
(1,3151)	1:212:A:LEU:HD12	1:208:A:ARG:HD2	5	0.16
(1,3151)	1:212:A:LEU:HD13	1:208:A:ARG:HD2	5	0.16
(1,3012)	1:207:A:ARG:HB3	1:207:A:ARG:HD2	9	0.16
(1,3012)	1:207:A:ARG:HB3	1:207:A:ARG:HD2	18	0.16
(1,2762)	1:203:A:GLN:HB2	1:203:A:GLN:H	11	0.16
(1,2749)	1:202:A:VAL:H	1:201:A:TYR:H	2	0.16
(1,2730)	2:319:B:HIS:HA	2:322:B:ALA:H	10	0.16
(1,2627)	2:305:B:LEU:HG	2:305:B:LEU:H	1	0.16
(1,2601)	2:305:B:LEU:HD21	2:301:B:ASN:H	6	0.16
(1,2601)	2:305:B:LEU:HD22	2:301:B:ASN:H	6	0.16
(1,2601)	2:305:B:LEU:HD23	2:301:B:ASN:H	6	0.16
(1,2482)	2:288:B:LEU:HD11	2:288:B:LEU:H	1	0.16
(1,2482)	2:288:B:LEU:HD12	2:288:B:LEU:H	1	0.16
(1,2482)	2:288:B:LEU:HD13	2:288:B:LEU:H	1	0.16
(1,2389)	2:284:B:LEU:HD21	2:279:B:LEU:H	2	0.16
(1,2389)	2:284:B:LEU:HD22	2:279:B:LEU:H	2	0.16
(1,2389)	2:284:B:LEU:HD23	2:279:B:LEU:H	2	0.16
(1,2255)	2:253:B:PRO:HB3	2:256:B:GLN:H	15	0.16
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	6	0.16
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	6	0.16
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	6	0.16
(1,2044)	2:266:B:LEU:HD21	2:228:B:MET:H	20	0.16
(1,2044)	2:266:B:LEU:HD22	2:228:B:MET:H	20	0.16
(1,2044)	2:266:B:LEU:HD23	2:228:B:MET:H	20	0.16
(1,1997)	2:219:B:ALA:HA	2:223:B:GLU:H	19	0.16
(1,1991)	2:194:B:LEU:HD11	2:222:B:LYS:H	3	0.16
(1,1991)	2:194:B:LEU:HD12	2:222:B:LYS:H	3	0.16
(1,1991)	2:194:B:LEU:HD13	2:222:B:LYS:H	3	0.16
(1,1907)	2:204:B:ARG:HG2	2:204:B:ARG:H	2	0.16
(1,1907)	2:204:B:ARG:HG2	2:204:B:ARG:H	12	0.16
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	7	0.16
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	14	0.16
(1,1893)	2:201:B:ARG:HB2	2:202:B:LYS:H	4	0.16
(1,1712)	2:174:B:LEU:HD11	2:180:B:GLN:HE21	20	0.16
(1,1712)	2:174:B:LEU:HD12	2:180:B:GLN:HE21	20	0.16
(1,1712)	2:174:B:LEU:HD13	2:180:B:GLN:HE21	20	0.16
(1,1572)	2:157:B:LYS:HD3	2:158:B:VAL:H	10	0.16
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD21	6	0.16
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD22	6	0.16
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD23	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD21	6	0.16
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD22	6	0.16
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD23	6	0.16
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD11	10	0.16
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD12	10	0.16
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD13	10	0.16
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD11	10	0.16
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD12	10	0.16
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD13	10	0.16
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	7	0.16
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	11	0.16
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD21	8	0.16
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD22	8	0.16
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD23	8	0.16
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	12	0.16
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	12	0.16
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	12	0.16
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	12	0.16
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	12	0.16
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	12	0.16
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	12	0.16
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	12	0.16
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	12	0.16
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG3	10	0.16
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG3	10	0.16
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG3	10	0.16
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD3	5	0.16
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD2	16	0.16
(1,1145)	2:320:B:ARG:HB2	2:320:B:ARG:HG2	8	0.16
(1,1066)	2:306:B:PHE:HE1	2:305:B:LEU:HD21	11	0.16
(1,1066)	2:306:B:PHE:HE1	2:305:B:LEU:HD22	11	0.16
(1,1066)	2:306:B:PHE:HE1	2:305:B:LEU:HD23	11	0.16
(1,1066)	2:306:B:PHE:HE2	2:305:B:LEU:HD21	11	0.16
(1,1066)	2:306:B:PHE:HE2	2:305:B:LEU:HD22	11	0.16
(1,1066)	2:306:B:PHE:HE2	2:305:B:LEU:HD23	11	0.16
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD11	17	0.16
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD12	17	0.16
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD13	17	0.16
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD11	17	0.16
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD12	17	0.16
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD13	17	0.16
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD11	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD12	17	0.16
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD13	17	0.16
(1,998)	2:267:B:PHE:HE1	2:291:B:LEU:HD11	17	0.16
(1,998)	2:267:B:PHE:HE1	2:291:B:LEU:HD12	17	0.16
(1,998)	2:267:B:PHE:HE1	2:291:B:LEU:HD13	17	0.16
(1,998)	2:267:B:PHE:HE2	2:291:B:LEU:HD11	17	0.16
(1,998)	2:267:B:PHE:HE2	2:291:B:LEU:HD12	17	0.16
(1,998)	2:267:B:PHE:HE2	2:291:B:LEU:HD13	17	0.16
(1,938)	2:284:B:LEU:HA	2:284:B:LEU:HD11	18	0.16
(1,938)	2:284:B:LEU:HA	2:284:B:LEU:HD12	18	0.16
(1,938)	2:284:B:LEU:HA	2:284:B:LEU:HD13	18	0.16
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD3	6	0.16
(1,930)	2:282:B:LYS:HD3	2:282:B:LYS:HG2	17	0.16
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE1	3	0.16
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE2	3	0.16
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE3	3	0.16
(1,761)	2:252:B:ALA:HB1	2:256:B:GLN:HG3	4	0.16
(1,761)	2:252:B:ALA:HB2	2:256:B:GLN:HG3	4	0.16
(1,761)	2:252:B:ALA:HB3	2:256:B:GLN:HG3	4	0.16
(1,637)	2:239:B:ARG:HA	2:239:B:ARG:HD3	14	0.16
(1,637)	2:239:B:ARG:HA	2:239:B:ARG:HD3	20	0.16
(1,623)	2:236:B:LYS:HB3	2:236:B:LYS:HE2	17	0.16
(1,482)	2:201:B:ARG:HA	2:204:B:ARG:HG2	1	0.16
(1,165)	2:256:B:GLN:HG2	2:257:B:VAL:HG11	20	0.16
(1,165)	2:256:B:GLN:HG2	2:257:B:VAL:HG12	20	0.16
(1,165)	2:256:B:GLN:HG2	2:257:B:VAL:HG13	20	0.16
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD11	3	0.16
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD12	3	0.16
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD13	3	0.16
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD11	15	0.16
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD12	15	0.16
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD13	15	0.16
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD11	15	0.16
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD12	15	0.16
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD13	15	0.16
(3,79)	2:286:B:LEU:O	2:290:B:TYR:H	13	0.15
(2,24)	1:220:A:ARG:HA	1:223:A:THR:H	1	0.15
(1,3983)	2:319:B:HIS:HE1	2:313:B:VAL:HG11	9	0.15
(1,3983)	2:319:B:HIS:HE1	2:313:B:VAL:HG12	9	0.15
(1,3983)	2:319:B:HIS:HE1	2:313:B:VAL:HG13	9	0.15
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD11	11	0.15
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD12	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD13	11	0.15
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD11	11	0.15
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD12	11	0.15
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD13	11	0.15
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD11	12	0.15
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD12	12	0.15
(1,3960)	2:267:B:PHE:HE1	2:291:B:LEU:HD13	12	0.15
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD11	12	0.15
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD12	12	0.15
(1,3960)	2:267:B:PHE:HE2	2:291:B:LEU:HD13	12	0.15
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG11	11	0.15
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG12	11	0.15
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG13	11	0.15
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG11	11	0.15
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG12	11	0.15
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG13	11	0.15
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG11	13	0.15
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG12	13	0.15
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG13	13	0.15
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG11	13	0.15
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG12	13	0.15
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG13	13	0.15
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD11	3	0.15
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD12	3	0.15
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD13	3	0.15
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD11	3	0.15
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD12	3	0.15
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD13	3	0.15
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD11	3	0.15
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD12	3	0.15
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD13	3	0.15
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	4	0.15
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	4	0.15
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	4	0.15
(1,3868)	2:286:B:LEU:HD21	1:205:A:GLN:HB2	16	0.15
(1,3868)	2:286:B:LEU:HD22	1:205:A:GLN:HB2	16	0.15
(1,3868)	2:286:B:LEU:HD23	1:205:A:GLN:HB2	16	0.15
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD21	14	0.15
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD22	14	0.15
(1,3826)	2:158:B:VAL:HA	2:288:B:LEU:HD23	14	0.15
(1,3815)	2:281:B:GLU:HA	2:284:B:LEU:HD21	12	0.15
(1,3815)	2:281:B:GLU:HA	2:284:B:LEU:HD22	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3815)	2:281:B:GLU:HA	2:284:B:LEU:HD23	12	0.15
(1,3806)	2:281:B:GLU:HB2	2:281:B:GLU:HG3	18	0.15
(1,3806)	2:281:B:GLU:HB2	2:281:B:GLU:HG3	19	0.15
(1,3806)	2:317:B:GLU:HB2	2:317:B:GLU:HG3	20	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	3	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	3	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	3	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	4	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	4	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	4	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	5	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	5	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	5	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	8	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	8	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	8	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	16	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	16	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	16	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	17	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	17	0.15
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	17	0.15
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG21	5	0.15
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG22	5	0.15
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG23	5	0.15
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG21	12	0.15
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG22	12	0.15
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG23	12	0.15
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG21	17	0.15
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG22	17	0.15
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG23	17	0.15
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB1	5	0.15
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB2	5	0.15
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB3	5	0.15
(1,3754)	2:252:B:ALA:HB1	2:245:B:ILE:HD11	18	0.15
(1,3754)	2:252:B:ALA:HB1	2:245:B:ILE:HD12	18	0.15
(1,3754)	2:252:B:ALA:HB1	2:245:B:ILE:HD13	18	0.15
(1,3754)	2:252:B:ALA:HB2	2:245:B:ILE:HD11	18	0.15
(1,3754)	2:252:B:ALA:HB2	2:245:B:ILE:HD12	18	0.15
(1,3754)	2:252:B:ALA:HB2	2:245:B:ILE:HD13	18	0.15
(1,3754)	2:252:B:ALA:HB3	2:245:B:ILE:HD11	18	0.15
(1,3754)	2:252:B:ALA:HB3	2:245:B:ILE:HD12	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3754)	2:252:B:ALA:HB3	2:245:B:ILE:HD13	18	0.15
(1,3719)	2:221:B:ILE:HD11	2:218:B:VAL:HA	13	0.15
(1,3719)	2:221:B:ILE:HD12	2:218:B:VAL:HA	13	0.15
(1,3719)	2:221:B:ILE:HD13	2:218:B:VAL:HA	13	0.15
(1,3677)	2:187:B:LYS:HB3	2:187:B:LYS:HG2	3	0.15
(1,3647)	2:181:B:LEU:HD21	2:175:B:ILE:HD11	3	0.15
(1,3647)	2:181:B:LEU:HD21	2:175:B:ILE:HD12	3	0.15
(1,3647)	2:181:B:LEU:HD21	2:175:B:ILE:HD13	3	0.15
(1,3647)	2:181:B:LEU:HD22	2:175:B:ILE:HD11	3	0.15
(1,3647)	2:181:B:LEU:HD22	2:175:B:ILE:HD12	3	0.15
(1,3647)	2:181:B:LEU:HD22	2:175:B:ILE:HD13	3	0.15
(1,3647)	2:181:B:LEU:HD23	2:175:B:ILE:HD11	3	0.15
(1,3647)	2:181:B:LEU:HD23	2:175:B:ILE:HD12	3	0.15
(1,3647)	2:181:B:LEU:HD23	2:175:B:ILE:HD13	3	0.15
(1,3640)	2:233:B:LEU:HD11	2:233:B:LEU:HA	12	0.15
(1,3640)	2:233:B:LEU:HD12	2:233:B:LEU:HA	12	0.15
(1,3640)	2:233:B:LEU:HD13	2:233:B:LEU:HA	12	0.15
(1,3608)	1:205:A:GLN:HA	2:286:B:LEU:HD11	9	0.15
(1,3608)	1:205:A:GLN:HA	2:286:B:LEU:HD12	9	0.15
(1,3608)	1:205:A:GLN:HA	2:286:B:LEU:HD13	9	0.15
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD21	3	0.15
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD22	3	0.15
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD23	3	0.15
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD21	3	0.15
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD22	3	0.15
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD23	3	0.15
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD21	3	0.15
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD22	3	0.15
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD23	3	0.15
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG21	15	0.15
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG22	15	0.15
(1,3558)	1:232:A:THR:HA	1:234:A:THR:HG23	15	0.15
(1,3553)	1:234:A:THR:HB	1:234:A:THR:HA	13	0.15
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG21	4	0.15
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG22	4	0.15
(1,3545)	1:229:A:ASN:HB2	1:232:A:THR:HG23	4	0.15
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG21	17	0.15
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG22	17	0.15
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG23	17	0.15
(1,3531)	1:228:A:PRO:HD2	1:231:A:LEU:HD21	13	0.15
(1,3531)	1:228:A:PRO:HD2	1:231:A:LEU:HD22	13	0.15
(1,3531)	1:228:A:PRO:HD2	1:231:A:LEU:HD23	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3503)	1:231:A:LEU:HD21	1:230:A:GLU:HG3	12	0.15
(1,3503)	1:231:A:LEU:HD22	1:230:A:GLU:HG3	12	0.15
(1,3503)	1:231:A:LEU:HD23	1:230:A:GLU:HG3	12	0.15
(1,3501)	1:231:A:LEU:HG	1:230:A:GLU:HG3	13	0.15
(1,3499)	1:230:A:GLU:HA	1:230:A:GLU:HG2	4	0.15
(1,3499)	1:230:A:GLU:HA	1:230:A:GLU:HG2	19	0.15
(1,3495)	1:230:A:GLU:HA	1:229:A:ASN:HB2	8	0.15
(1,3361)	1:222:A:PRO:HD3	1:221:A:ASN:HA	5	0.15
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD21	1	0.15
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD22	1	0.15
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD23	1	0.15
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD21	5	0.15
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD22	5	0.15
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD23	5	0.15
(1,3022)	1:217:A:ALA:HA	1:220:A:ARG:HD3	4	0.15
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	20	0.15
(1,3012)	1:207:A:ARG:HB3	1:207:A:ARG:HD2	7	0.15
(1,3012)	1:208:A:ARG:HB2	1:208:A:ARG:HD2	12	0.15
(1,3012)	1:208:A:ARG:HB2	1:208:A:ARG:HD2	15	0.15
(1,2978)	1:233:A:CYS:HB2	1:233:A:CYS:H	8	0.15
(1,2738)	2:321:B:LYS:HB3	2:323:B:VAL:H	16	0.15
(1,2730)	2:321:B:LYS:HA	2:322:B:ALA:H	15	0.15
(1,2637)	2:305:B:LEU:HD11	2:306:B:PHE:H	5	0.15
(1,2637)	2:305:B:LEU:HD12	2:306:B:PHE:H	5	0.15
(1,2637)	2:305:B:LEU:HD13	2:306:B:PHE:H	5	0.15
(1,2637)	2:305:B:LEU:HD11	2:306:B:PHE:H	16	0.15
(1,2637)	2:305:B:LEU:HD12	2:306:B:PHE:H	16	0.15
(1,2637)	2:305:B:LEU:HD13	2:306:B:PHE:H	16	0.15
(1,2627)	2:305:B:LEU:HG	2:305:B:LEU:H	10	0.15
(1,2627)	2:303:B:ALA:HB1	2:305:B:LEU:H	18	0.15
(1,2627)	2:303:B:ALA:HB2	2:305:B:LEU:H	18	0.15
(1,2627)	2:303:B:ALA:HB3	2:305:B:LEU:H	18	0.15
(1,2601)	2:164:B:LEU:HD21	2:301:B:ASN:H	1	0.15
(1,2601)	2:164:B:LEU:HD22	2:301:B:ASN:H	1	0.15
(1,2601)	2:164:B:LEU:HD23	2:301:B:ASN:H	1	0.15
(1,2601)	2:305:B:LEU:HD21	2:301:B:ASN:H	9	0.15
(1,2601)	2:305:B:LEU:HD22	2:301:B:ASN:H	9	0.15
(1,2601)	2:305:B:LEU:HD23	2:301:B:ASN:H	9	0.15
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	3	0.15
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	10	0.15
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	19	0.15
(1,2449)	2:284:B:LEU:HD21	2:285:B:ALA:H	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2449)	2:284:B:LEU:HD22	2:285:B:ALA:H	18	0.15
(1,2449)	2:284:B:LEU:HD23	2:285:B:ALA:H	18	0.15
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	5	0.15
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	5	0.15
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	5	0.15
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	11	0.15
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	11	0.15
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	11	0.15
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	13	0.15
(1,1893)	2:201:B:ARG:HB2	2:202:B:LYS:H	8	0.15
(1,1581)	2:159:B:LYS:HB3	2:160:B:ILE:H	5	0.15
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD21	7	0.15
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD22	7	0.15
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD23	7	0.15
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD21	7	0.15
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD22	7	0.15
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD23	7	0.15
(1,1474)	2:290:B:TYR:HD1	2:286:B:LEU:HG	17	0.15
(1,1474)	2:290:B:TYR:HD2	2:286:B:LEU:HG	17	0.15
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	3	0.15
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	20	0.15
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD11	14	0.15
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD12	14	0.15
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD13	14	0.15
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD11	14	0.15
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD12	14	0.15
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD13	14	0.15
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD11	17	0.15
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD12	17	0.15
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD13	17	0.15
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD11	17	0.15
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD12	17	0.15
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD13	17	0.15
(1,1313)	2:235:B:TYR:HE1	1:224:A:GLN:HG3	9	0.15
(1,1313)	2:235:B:TYR:HE2	1:224:A:GLN:HG3	9	0.15
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	3	0.15
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	3	0.15
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	3	0.15
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	3	0.15
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	3	0.15
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	3	0.15
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	3	0.15
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	3	0.15
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD21	10	0.15
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD22	10	0.15
(1,1270)	2:287:B:LEU:HD11	1:213:A:LEU:HD23	10	0.15
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD21	10	0.15
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD22	10	0.15
(1,1270)	2:287:B:LEU:HD12	1:213:A:LEU:HD23	10	0.15
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD21	10	0.15
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD22	10	0.15
(1,1270)	2:287:B:LEU:HD13	1:213:A:LEU:HD23	10	0.15
(1,1226)	2:287:B:LEU:HD21	1:206:A:LEU:HD21	8	0.15
(1,1226)	2:287:B:LEU:HD21	1:206:A:LEU:HD22	8	0.15
(1,1226)	2:287:B:LEU:HD21	1:206:A:LEU:HD23	8	0.15
(1,1226)	2:287:B:LEU:HD22	1:206:A:LEU:HD21	8	0.15
(1,1226)	2:287:B:LEU:HD22	1:206:A:LEU:HD22	8	0.15
(1,1226)	2:287:B:LEU:HD22	1:206:A:LEU:HD23	8	0.15
(1,1226)	2:287:B:LEU:HD23	1:206:A:LEU:HD21	8	0.15
(1,1226)	2:287:B:LEU:HD23	1:206:A:LEU:HD22	8	0.15
(1,1226)	2:287:B:LEU:HD23	1:206:A:LEU:HD23	8	0.15
(1,1207)	2:286:B:LEU:HD11	1:203:A:GLN:HG3	9	0.15
(1,1207)	2:286:B:LEU:HD12	1:203:A:GLN:HG3	9	0.15
(1,1207)	2:286:B:LEU:HD13	1:203:A:GLN:HG3	9	0.15
(1,1203)	1:225:A:PHE:HE1	1:227:A:LEU:HD11	8	0.15
(1,1203)	1:225:A:PHE:HE1	1:227:A:LEU:HD12	8	0.15
(1,1203)	1:225:A:PHE:HE1	1:227:A:LEU:HD13	8	0.15
(1,1203)	1:225:A:PHE:HE2	1:227:A:LEU:HD11	8	0.15
(1,1203)	1:225:A:PHE:HE2	1:227:A:LEU:HD12	8	0.15
(1,1203)	1:225:A:PHE:HE2	1:227:A:LEU:HD13	8	0.15
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD2	7	0.15
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD3	20	0.15
(1,1143)	2:320:B:ARG:HB2	2:320:B:ARG:HD2	3	0.15
(1,1045)	2:164:B:LEU:HD21	2:299:B:ALA:HB1	16	0.15
(1,1045)	2:164:B:LEU:HD21	2:299:B:ALA:HB2	16	0.15
(1,1045)	2:164:B:LEU:HD21	2:299:B:ALA:HB3	16	0.15
(1,1045)	2:164:B:LEU:HD22	2:299:B:ALA:HB1	16	0.15
(1,1045)	2:164:B:LEU:HD22	2:299:B:ALA:HB2	16	0.15
(1,1045)	2:164:B:LEU:HD22	2:299:B:ALA:HB3	16	0.15
(1,1045)	2:164:B:LEU:HD23	2:299:B:ALA:HB1	16	0.15
(1,1045)	2:164:B:LEU:HD23	2:299:B:ALA:HB2	16	0.15
(1,1045)	2:164:B:LEU:HD23	2:299:B:ALA:HB3	16	0.15
(1,1010)	2:296:B:LYS:HE2	2:293:B:ASP:HA	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	2:284:B:LEU:HA	2:284:B:LEU:HD11	9	0.15
(1,938)	2:284:B:LEU:HA	2:284:B:LEU:HD12	9	0.15
(1,938)	2:284:B:LEU:HA	2:284:B:LEU:HD13	9	0.15
(1,928)	2:282:B:LYS:HE3	2:282:B:LYS:HG3	3	0.15
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE1	10	0.15
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE2	10	0.15
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE3	10	0.15
(1,761)	2:252:B:ALA:HB1	2:256:B:GLN:HG2	12	0.15
(1,761)	2:252:B:ALA:HB2	2:256:B:GLN:HG2	12	0.15
(1,761)	2:252:B:ALA:HB3	2:256:B:GLN:HG2	12	0.15
(1,630)	2:236:B:LYS:HG3	2:236:B:LYS:HE2	8	0.15
(1,476)	2:200:B:TYR:HE1	2:204:B:ARG:HD2	5	0.15
(1,476)	2:200:B:TYR:HE2	2:204:B:ARG:HD2	5	0.15
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	18	0.15
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD11	5	0.15
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD12	5	0.15
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD13	5	0.15
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD11	5	0.15
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD12	5	0.15
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD13	5	0.15
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD11	5	0.15
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD12	5	0.15
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD13	5	0.15
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD11	14	0.15
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD12	14	0.15
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD13	14	0.15
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD11	14	0.15
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD12	14	0.15
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD13	14	0.15
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD11	14	0.15
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD12	14	0.15
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD13	14	0.15
(1,197)	2:270:B:ILE:HG21	2:158:B:VAL:HG21	10	0.15
(1,197)	2:270:B:ILE:HG21	2:158:B:VAL:HG22	10	0.15
(1,197)	2:270:B:ILE:HG21	2:158:B:VAL:HG23	10	0.15
(1,197)	2:270:B:ILE:HG22	2:158:B:VAL:HG21	10	0.15
(1,197)	2:270:B:ILE:HG22	2:158:B:VAL:HG22	10	0.15
(1,197)	2:270:B:ILE:HG22	2:158:B:VAL:HG23	10	0.15
(1,197)	2:270:B:ILE:HG23	2:158:B:VAL:HG21	10	0.15
(1,197)	2:270:B:ILE:HG23	2:158:B:VAL:HG22	10	0.15
(1,197)	2:270:B:ILE:HG23	2:158:B:VAL:HG23	10	0.15
(1,176)	2:155:B:GLU:HA	2:155:B:GLU:HG3	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD11	5	0.15
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD12	5	0.15
(1,108)	1:213:A:LEU:HG	2:274:B:LEU:HD13	5	0.15
(1,8)	1:231:A:LEU:HD21	2:168:B:LEU:HD11	8	0.15
(1,8)	1:231:A:LEU:HD21	2:168:B:LEU:HD12	8	0.15
(1,8)	1:231:A:LEU:HD21	2:168:B:LEU:HD13	8	0.15
(1,8)	1:231:A:LEU:HD22	2:168:B:LEU:HD11	8	0.15
(1,8)	1:231:A:LEU:HD22	2:168:B:LEU:HD12	8	0.15
(1,8)	1:231:A:LEU:HD22	2:168:B:LEU:HD13	8	0.15
(1,8)	1:231:A:LEU:HD23	2:168:B:LEU:HD11	8	0.15
(1,8)	1:231:A:LEU:HD23	2:168:B:LEU:HD12	8	0.15
(1,8)	1:231:A:LEU:HD23	2:168:B:LEU:HD13	8	0.15
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG11	7	0.14
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG12	7	0.14
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG13	7	0.14
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG11	7	0.14
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG12	7	0.14
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG13	7	0.14
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG11	12	0.14
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG12	12	0.14
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG13	12	0.14
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG11	12	0.14
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG12	12	0.14
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG13	12	0.14
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB1	1	0.14
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB2	1	0.14
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB3	1	0.14
(1,3914)	2:267:B:PHE:HZ	2:263:B:LEU:HD11	15	0.14
(1,3914)	2:267:B:PHE:HZ	2:263:B:LEU:HD12	15	0.14
(1,3914)	2:267:B:PHE:HZ	2:263:B:LEU:HD13	15	0.14
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD11	6	0.14
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD12	6	0.14
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD13	6	0.14
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD11	6	0.14
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD12	6	0.14
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD13	6	0.14
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD11	6	0.14
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD12	6	0.14
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD13	6	0.14
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD21	19	0.14
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD22	19	0.14
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD23	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD21	19	0.14
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD22	19	0.14
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD23	19	0.14
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD21	19	0.14
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD22	19	0.14
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD23	19	0.14
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD11	7	0.14
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD12	7	0.14
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD13	7	0.14
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD11	7	0.14
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD12	7	0.14
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD13	7	0.14
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD11	7	0.14
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD12	7	0.14
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD13	7	0.14
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD11	19	0.14
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD12	19	0.14
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD13	19	0.14
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD11	19	0.14
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD12	19	0.14
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD13	19	0.14
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD11	19	0.14
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD12	19	0.14
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD13	19	0.14
(1,3877)	2:277:B:THR:HG21	1:213:A:LEU:HG	7	0.14
(1,3877)	2:277:B:THR:HG22	1:213:A:LEU:HG	7	0.14
(1,3877)	2:277:B:THR:HG23	1:213:A:LEU:HG	7	0.14
(1,3867)	2:286:B:LEU:HD11	1:204:A:PRO:HB2	18	0.14
(1,3867)	2:286:B:LEU:HD12	1:204:A:PRO:HB2	18	0.14
(1,3867)	2:286:B:LEU:HD13	1:204:A:PRO:HB2	18	0.14
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD21	3	0.14
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD22	3	0.14
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD23	3	0.14
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD21	3	0.14
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD22	3	0.14
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD23	3	0.14
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD21	3	0.14
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD22	3	0.14
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD23	3	0.14
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD11	8	0.14
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD12	8	0.14
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD13	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD11	8	0.14
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD12	8	0.14
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD13	8	0.14
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD11	8	0.14
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD12	8	0.14
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD13	8	0.14
(1,3809)	2:210:B:LYS:HG3	2:210:B:LYS:HD2	17	0.14
(1,3809)	2:210:B:LYS:HG3	2:210:B:LYS:HD2	19	0.14
(1,3806)	2:281:B:GLU:HB2	2:281:B:GLU:HG3	1	0.14
(1,3806)	2:281:B:GLU:HB2	2:281:B:GLU:HG3	2	0.14
(1,3806)	2:317:B:GLU:HB3	2:317:B:GLU:HG2	13	0.14
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	15	0.14
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	15	0.14
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	15	0.14
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG11	4	0.14
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG12	4	0.14
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG13	4	0.14
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG11	4	0.14
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG12	4	0.14
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG13	4	0.14
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG11	4	0.14
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG12	4	0.14
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG13	4	0.14
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG11	6	0.14
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG12	6	0.14
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG13	6	0.14
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG11	6	0.14
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG12	6	0.14
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG13	6	0.14
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG11	6	0.14
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG12	6	0.14
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG13	6	0.14
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG11	8	0.14
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG12	8	0.14
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG13	8	0.14
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG11	8	0.14
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG12	8	0.14
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG13	8	0.14
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG11	8	0.14
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG12	8	0.14
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG13	8	0.14
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG11	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG12	18	0.14
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG13	18	0.14
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG11	18	0.14
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG12	18	0.14
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG13	18	0.14
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG11	18	0.14
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG12	18	0.14
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG13	18	0.14
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD21	13	0.14
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD22	13	0.14
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD23	13	0.14
(1,3719)	2:190:B:VAL:HG11	2:218:B:VAL:HA	9	0.14
(1,3719)	2:190:B:VAL:HG12	2:218:B:VAL:HA	9	0.14
(1,3719)	2:190:B:VAL:HG13	2:218:B:VAL:HA	9	0.14
(1,3694)	2:194:B:LEU:HA	2:194:B:LEU:HD11	13	0.14
(1,3694)	2:194:B:LEU:HA	2:194:B:LEU:HD12	13	0.14
(1,3694)	2:194:B:LEU:HA	2:194:B:LEU:HD13	13	0.14
(1,3675)	2:210:B:LYS:HG2	2:210:B:LYS:HD3	3	0.14
(1,3675)	2:187:B:LYS:HG2	2:187:B:LYS:HD2	4	0.14
(1,3675)	2:210:B:LYS:HG2	2:210:B:LYS:HD3	7	0.14
(1,3675)	2:210:B:LYS:HG2	2:210:B:LYS:HD3	8	0.14
(1,3675)	2:210:B:LYS:HG2	2:210:B:LYS:HD3	11	0.14
(1,3671)	2:202:B:LYS:HG2	2:202:B:LYS:HA	20	0.14
(1,3647)	2:174:B:LEU:HD21	2:175:B:ILE:HD11	8	0.14
(1,3647)	2:174:B:LEU:HD21	2:175:B:ILE:HD12	8	0.14
(1,3647)	2:174:B:LEU:HD21	2:175:B:ILE:HD13	8	0.14
(1,3647)	2:174:B:LEU:HD22	2:175:B:ILE:HD11	8	0.14
(1,3647)	2:174:B:LEU:HD22	2:175:B:ILE:HD12	8	0.14
(1,3647)	2:174:B:LEU:HD22	2:175:B:ILE:HD13	8	0.14
(1,3647)	2:174:B:LEU:HD23	2:175:B:ILE:HD11	8	0.14
(1,3647)	2:174:B:LEU:HD23	2:175:B:ILE:HD12	8	0.14
(1,3647)	2:174:B:LEU:HD23	2:175:B:ILE:HD13	8	0.14
(1,3624)	2:282:B:LYS:HE3	2:282:B:LYS:HG2	3	0.14
(1,3608)	1:204:A:PRO:HA	2:286:B:LEU:HD11	2	0.14
(1,3608)	1:204:A:PRO:HA	2:286:B:LEU:HD12	2	0.14
(1,3608)	1:204:A:PRO:HA	2:286:B:LEU:HD13	2	0.14
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD21	6	0.14
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD22	6	0.14
(1,3596)	1:227:A:LEU:HD11	2:168:B:LEU:HD23	6	0.14
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD21	6	0.14
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD22	6	0.14
(1,3596)	1:227:A:LEU:HD12	2:168:B:LEU:HD23	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD21	6	0.14
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD22	6	0.14
(1,3596)	1:227:A:LEU:HD13	2:168:B:LEU:HD23	6	0.14
(1,3551)	1:234:A:THR:HA	1:233:A:CYS:HB2	19	0.14
(1,3540)	1:227:A:LEU:HB3	1:232:A:THR:HG21	8	0.14
(1,3540)	1:227:A:LEU:HB3	1:232:A:THR:HG22	8	0.14
(1,3540)	1:227:A:LEU:HB3	1:232:A:THR:HG23	8	0.14
(1,3531)	1:228:A:PRO:HD2	1:231:A:LEU:HD21	7	0.14
(1,3531)	1:228:A:PRO:HD2	1:231:A:LEU:HD22	7	0.14
(1,3531)	1:228:A:PRO:HD2	1:231:A:LEU:HD23	7	0.14
(1,3527)	1:230:A:GLU:HG3	1:231:A:LEU:HD11	19	0.14
(1,3527)	1:230:A:GLU:HG3	1:231:A:LEU:HD12	19	0.14
(1,3527)	1:230:A:GLU:HG3	1:231:A:LEU:HD13	19	0.14
(1,3500)	1:230:A:GLU:HB3	1:230:A:GLU:HG2	1	0.14
(1,3454)	1:232:A:THR:HG21	1:227:A:LEU:HD11	8	0.14
(1,3454)	1:232:A:THR:HG21	1:227:A:LEU:HD12	8	0.14
(1,3454)	1:232:A:THR:HG21	1:227:A:LEU:HD13	8	0.14
(1,3454)	1:232:A:THR:HG22	1:227:A:LEU:HD11	8	0.14
(1,3454)	1:232:A:THR:HG22	1:227:A:LEU:HD12	8	0.14
(1,3454)	1:232:A:THR:HG22	1:227:A:LEU:HD13	8	0.14
(1,3454)	1:232:A:THR:HG23	1:227:A:LEU:HD11	8	0.14
(1,3454)	1:232:A:THR:HG23	1:227:A:LEU:HD12	8	0.14
(1,3454)	1:232:A:THR:HG23	1:227:A:LEU:HD13	8	0.14
(1,3329)	1:219:A:GLU:HG3	1:219:A:GLU:HB3	12	0.14
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD21	9	0.14
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD22	9	0.14
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD23	9	0.14
(1,3150)	1:212:A:LEU:HG	1:208:A:ARG:HD3	4	0.14
(1,3150)	1:212:A:LEU:HG	1:208:A:ARG:HD3	19	0.14
(1,3068)	1:201:A:TYR:HD1	1:203:A:GLN:HG3	1	0.14
(1,3068)	1:201:A:TYR:HD2	1:203:A:GLN:HG3	1	0.14
(1,3020)	1:209:A:PRO:HD2	1:208:A:ARG:HG3	10	0.14
(1,3014)	1:211:A:GLU:HB2	1:208:A:ARG:HD2	10	0.14
(1,3012)	1:208:A:ARG:HB2	1:208:A:ARG:HD2	19	0.14
(1,3004)	1:211:A:GLU:HB3	1:208:A:ARG:HG3	10	0.14
(1,3001)	1:208:A:ARG:HA	1:208:A:ARG:HG3	10	0.14
(1,2999)	1:211:A:GLU:HG2	1:207:A:ARG:HD2	1	0.14
(1,2936)	1:226:A:GLN:HB2	1:227:A:LEU:H	13	0.14
(1,2931)	1:226:A:GLN:HG3	1:226:A:GLN:H	1	0.14
(1,2762)	1:203:A:GLN:HB2	1:203:A:GLN:H	10	0.14
(1,2737)	2:320:B:ARG:HA	2:323:B:VAL:H	1	0.14
(1,2737)	2:320:B:ARG:HA	2:323:B:VAL:H	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2627)	2:305:B:LEU:HG	2:305:B:LEU:H	9	0.14
(1,2553)	2:296:B:LYS:HG3	2:296:B:LYS:H	9	0.14
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	2	0.14
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	5	0.14
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	9	0.14
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	13	0.14
(1,2439)	2:279:B:LEU:HD21	2:284:B:LEU:H	6	0.14
(1,2439)	2:279:B:LEU:HD22	2:284:B:LEU:H	6	0.14
(1,2439)	2:279:B:LEU:HD23	2:284:B:LEU:H	6	0.14
(1,2389)	2:284:B:LEU:HD11	2:279:B:LEU:H	6	0.14
(1,2389)	2:284:B:LEU:HD12	2:279:B:LEU:H	6	0.14
(1,2389)	2:284:B:LEU:HD13	2:279:B:LEU:H	6	0.14
(1,2252)	2:256:B:GLN:HB2	2:256:B:GLN:H	6	0.14
(1,2206)	2:252:B:ALA:HB1	2:249:B:HIS:H	12	0.14
(1,2206)	2:252:B:ALA:HB2	2:249:B:HIS:H	12	0.14
(1,2206)	2:252:B:ALA:HB3	2:249:B:HIS:H	12	0.14
(1,2092)	2:233:B:LEU:HB2	2:234:B:LEU:H	6	0.14
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	1	0.14
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	2	0.14
(1,1789)	2:189:B:ASN:HB3	2:191:B:ASP:H	13	0.14
(1,1572)	2:157:B:LYS:HD2	2:158:B:VAL:H	6	0.14
(1,1557)	2:157:B:LYS:HG3	2:156:B:VAL:H	11	0.14
(1,1549)	2:156:B:VAL:HG11	2:155:B:GLU:H	11	0.14
(1,1549)	2:156:B:VAL:HG12	2:155:B:GLU:H	11	0.14
(1,1549)	2:156:B:VAL:HG13	2:155:B:GLU:H	11	0.14
(1,1547)	2:155:B:GLU:HB3	2:155:B:GLU:H	14	0.14
(1,1544)	2:154:B:ALA:HA	2:155:B:GLU:H	12	0.14
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD21	13	0.14
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD22	13	0.14
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD23	13	0.14
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD21	13	0.14
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD22	13	0.14
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD23	13	0.14
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD21	14	0.14
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD22	14	0.14
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD23	14	0.14
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD21	14	0.14
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD22	14	0.14
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD23	14	0.14
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD11	17	0.14
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD12	17	0.14
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD13	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD11	11	0.14
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD12	11	0.14
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD13	11	0.14
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD11	11	0.14
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD12	11	0.14
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD13	11	0.14
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	1	0.14
(1,1365)	2:172:B:TRP:HE3	2:169:B:VAL:HG11	15	0.14
(1,1365)	2:172:B:TRP:HE3	2:169:B:VAL:HG12	15	0.14
(1,1365)	2:172:B:TRP:HE3	2:169:B:VAL:HG13	15	0.14
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD11	7	0.14
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD12	7	0.14
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD13	7	0.14
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD11	7	0.14
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD12	7	0.14
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD13	7	0.14
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD11	12	0.14
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD12	12	0.14
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD13	12	0.14
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD11	12	0.14
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD12	12	0.14
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD13	12	0.14
(1,1215)	2:287:B:LEU:HA	1:206:A:LEU:HD11	17	0.14
(1,1215)	2:287:B:LEU:HA	1:206:A:LEU:HD12	17	0.14
(1,1215)	2:287:B:LEU:HA	1:206:A:LEU:HD13	17	0.14
(1,1211)	2:217:B:VAL:HG21	1:206:A:LEU:HG	4	0.14
(1,1211)	2:217:B:VAL:HG22	1:206:A:LEU:HG	4	0.14
(1,1211)	2:217:B:VAL:HG23	1:206:A:LEU:HG	4	0.14
(1,1209)	2:286:B:LEU:HD21	1:204:A:PRO:HB2	16	0.14
(1,1209)	2:286:B:LEU:HD22	1:204:A:PRO:HB2	16	0.14
(1,1209)	2:286:B:LEU:HD23	1:204:A:PRO:HB2	16	0.14
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG11	20	0.14
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG12	20	0.14
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG13	20	0.14
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG11	20	0.14
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG12	20	0.14
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG13	20	0.14
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD2	15	0.14
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB1	6	0.14
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB2	6	0.14
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB3	6	0.14
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB1	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB2	6	0.14
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB3	6	0.14
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB1	6	0.14
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB2	6	0.14
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB3	6	0.14
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD11	7	0.14
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD12	7	0.14
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD13	7	0.14
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD11	8	0.14
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD12	8	0.14
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD13	8	0.14
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD11	8	0.14
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD12	8	0.14
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD13	8	0.14
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD11	8	0.14
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD12	8	0.14
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD13	8	0.14
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB1	4	0.14
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB2	4	0.14
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB3	4	0.14
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB1	4	0.14
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB2	4	0.14
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB3	4	0.14
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB1	4	0.14
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB2	4	0.14
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB3	4	0.14
(1,774)	2:256:B:GLN:HB2	2:257:B:VAL:HG21	14	0.14
(1,774)	2:256:B:GLN:HB2	2:257:B:VAL:HG22	14	0.14
(1,774)	2:256:B:GLN:HB2	2:257:B:VAL:HG23	14	0.14
(1,623)	2:236:B:LYS:HB3	2:236:B:LYS:HE2	6	0.14
(1,482)	2:201:B:ARG:HA	2:204:B:ARG:HG2	18	0.14
(1,413)	2:263:B:LEU:HD11	2:190:B:VAL:HG21	14	0.14
(1,413)	2:263:B:LEU:HD11	2:190:B:VAL:HG22	14	0.14
(1,413)	2:263:B:LEU:HD11	2:190:B:VAL:HG23	14	0.14
(1,413)	2:263:B:LEU:HD12	2:190:B:VAL:HG21	14	0.14
(1,413)	2:263:B:LEU:HD12	2:190:B:VAL:HG22	14	0.14
(1,413)	2:263:B:LEU:HD12	2:190:B:VAL:HG23	14	0.14
(1,413)	2:263:B:LEU:HD13	2:190:B:VAL:HG21	14	0.14
(1,413)	2:263:B:LEU:HD13	2:190:B:VAL:HG22	14	0.14
(1,413)	2:263:B:LEU:HD13	2:190:B:VAL:HG23	14	0.14
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD11	9	0.14
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD12	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD13	9	0.14
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD11	9	0.14
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD12	9	0.14
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD13	9	0.14
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD11	9	0.14
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD12	9	0.14
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD13	9	0.14
(1,325)	2:319:B:HIS:HE1	2:179:B:LYS:HE3	7	0.14
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD11	12	0.14
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD12	12	0.14
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD13	12	0.14
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD11	12	0.14
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD12	12	0.14
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD13	12	0.14
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD11	12	0.14
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD12	12	0.14
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD13	12	0.14
(1,215)	2:292:B:HIS:HE1	2:159:B:LYS:HE3	16	0.14
(1,214)	2:159:B:LYS:HG2	2:159:B:LYS:HE2	12	0.14
(1,165)	2:256:B:GLN:HG2	2:257:B:VAL:HG11	13	0.14
(1,165)	2:256:B:GLN:HG2	2:257:B:VAL:HG12	13	0.14
(1,165)	2:256:B:GLN:HG2	2:257:B:VAL:HG13	13	0.14
(1,125)	1:212:A:LEU:HD21	2:278:B:PRO:HG2	2	0.14
(1,125)	1:212:A:LEU:HD22	2:278:B:PRO:HG2	2	0.14
(1,125)	1:212:A:LEU:HD23	2:278:B:PRO:HG2	2	0.14
(1,57)	1:222:A:PRO:HA	2:231:B:THR:HG21	5	0.14
(1,57)	1:222:A:PRO:HA	2:231:B:THR:HG22	5	0.14
(1,57)	1:222:A:PRO:HA	2:231:B:THR:HG23	5	0.14
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD11	14	0.14
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD12	14	0.14
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD13	14	0.14
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD11	14	0.14
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD12	14	0.14
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD13	14	0.14
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD11	17	0.14
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD12	17	0.14
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD13	17	0.14
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD11	17	0.14
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD12	17	0.14
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD13	17	0.14
(3,80)	2:286:B:LEU:O	2:290:B:TYR:N	8	0.13
(3,80)	2:286:B:LEU:O	2:290:B:TYR:N	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,79)	2:286:B:LEU:O	2:290:B:TYR:H	7	0.13
(3,79)	2:286:B:LEU:O	2:290:B:TYR:H	10	0.13
(3,7)	2:168:B:LEU:O	2:172:B:TRP:H	13	0.13
(2,26)	1:218:A:MET:HG3	1:214:A:ILE:HD11	20	0.13
(2,26)	1:218:A:MET:HG3	1:214:A:ILE:HD12	20	0.13
(2,26)	1:218:A:MET:HG3	1:214:A:ILE:HD13	20	0.13
(2,25)	1:225:A:PHE:H	1:223:A:THR:H	16	0.13
(2,24)	1:220:A:ARG:HA	1:223:A:THR:H	10	0.13
(1,3969)	2:319:B:HIS:HE1	2:179:B:LYS:HD2	8	0.13
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD11	11	0.13
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD12	11	0.13
(1,3947)	2:258:B:TYR:HE1	2:234:B:LEU:HD13	11	0.13
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD11	11	0.13
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD12	11	0.13
(1,3947)	2:258:B:TYR:HE2	2:234:B:LEU:HD13	11	0.13
(1,3909)	2:168:B:LEU:HA	1:231:A:LEU:HD11	3	0.13
(1,3909)	2:168:B:LEU:HA	1:231:A:LEU:HD12	3	0.13
(1,3909)	2:168:B:LEU:HA	1:231:A:LEU:HD13	3	0.13
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD21	5	0.13
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD22	5	0.13
(1,3884)	2:266:B:LEU:HD11	1:213:A:LEU:HD23	5	0.13
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD21	5	0.13
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD22	5	0.13
(1,3884)	2:266:B:LEU:HD12	1:213:A:LEU:HD23	5	0.13
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD21	5	0.13
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD22	5	0.13
(1,3884)	2:266:B:LEU:HD13	1:213:A:LEU:HD23	5	0.13
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD11	8	0.13
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD12	8	0.13
(1,3878)	2:277:B:THR:HG21	1:213:A:LEU:HD13	8	0.13
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD11	8	0.13
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD12	8	0.13
(1,3878)	2:277:B:THR:HG22	1:213:A:LEU:HD13	8	0.13
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD11	8	0.13
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD12	8	0.13
(1,3878)	2:277:B:THR:HG23	1:213:A:LEU:HD13	8	0.13
(1,3873)	2:287:B:LEU:HA	1:206:A:LEU:HD21	15	0.13
(1,3873)	2:287:B:LEU:HA	1:206:A:LEU:HD22	15	0.13
(1,3873)	2:287:B:LEU:HA	1:206:A:LEU:HD23	15	0.13
(1,3842)	2:194:B:LEU:HB2	2:218:B:VAL:HG11	7	0.13
(1,3842)	2:194:B:LEU:HB2	2:218:B:VAL:HG12	7	0.13
(1,3842)	2:194:B:LEU:HB2	2:218:B:VAL:HG13	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG21	17	0.13
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG22	17	0.13
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG23	17	0.13
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG21	17	0.13
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG22	17	0.13
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG23	17	0.13
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG21	17	0.13
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG22	17	0.13
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG23	17	0.13
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD21	5	0.13
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD22	5	0.13
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD23	5	0.13
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD21	5	0.13
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD22	5	0.13
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD23	5	0.13
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD21	5	0.13
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD22	5	0.13
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD23	5	0.13
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD11	11	0.13
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD12	11	0.13
(1,3819)	2:291:B:LEU:HD11	2:287:B:LEU:HD13	11	0.13
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD11	11	0.13
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD12	11	0.13
(1,3819)	2:291:B:LEU:HD12	2:287:B:LEU:HD13	11	0.13
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD11	11	0.13
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD12	11	0.13
(1,3819)	2:291:B:LEU:HD13	2:287:B:LEU:HD13	11	0.13
(1,3806)	2:317:B:GLU:HB3	2:317:B:GLU:HG2	9	0.13
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	2	0.13
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	2	0.13
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	2	0.13
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	7	0.13
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	7	0.13
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	7	0.13
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	11	0.13
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	11	0.13
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	11	0.13
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	12	0.13
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	12	0.13
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	12	0.13
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	13	0.13
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	13	0.13
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG21	13	0.13
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG22	13	0.13
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG23	13	0.13
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG11	12	0.13
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG12	12	0.13
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG13	12	0.13
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG11	12	0.13
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG12	12	0.13
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG13	12	0.13
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG11	12	0.13
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG12	12	0.13
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG13	12	0.13
(1,3773)	2:252:B:ALA:HB1	2:254:B:MET:HE1	3	0.13
(1,3773)	2:252:B:ALA:HB1	2:254:B:MET:HE2	3	0.13
(1,3773)	2:252:B:ALA:HB1	2:254:B:MET:HE3	3	0.13
(1,3773)	2:252:B:ALA:HB2	2:254:B:MET:HE1	3	0.13
(1,3773)	2:252:B:ALA:HB2	2:254:B:MET:HE2	3	0.13
(1,3773)	2:252:B:ALA:HB2	2:254:B:MET:HE3	3	0.13
(1,3773)	2:252:B:ALA:HB3	2:254:B:MET:HE1	3	0.13
(1,3773)	2:252:B:ALA:HB3	2:254:B:MET:HE2	3	0.13
(1,3773)	2:252:B:ALA:HB3	2:254:B:MET:HE3	3	0.13
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB1	6	0.13
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB2	6	0.13
(1,3762)	2:253:B:PRO:HG2	2:252:B:ALA:HB3	6	0.13
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD11	7	0.13
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD12	7	0.13
(1,3754)	2:184:B:LEU:HB3	2:245:B:ILE:HD13	7	0.13
(1,3699)	2:195:B:GLU:HG2	2:198:B:ALA:HB1	20	0.13
(1,3699)	2:195:B:GLU:HG2	2:198:B:ALA:HB2	20	0.13
(1,3699)	2:195:B:GLU:HG2	2:198:B:ALA:HB3	20	0.13
(1,3698)	2:198:B:ALA:HB1	2:195:B:GLU:HG2	20	0.13
(1,3698)	2:198:B:ALA:HB2	2:195:B:GLU:HG2	20	0.13
(1,3698)	2:198:B:ALA:HB3	2:195:B:GLU:HG2	20	0.13
(1,3687)	2:193:B:ILE:HB	2:190:B:VAL:HG11	14	0.13
(1,3687)	2:193:B:ILE:HB	2:190:B:VAL:HG12	14	0.13
(1,3687)	2:193:B:ILE:HB	2:190:B:VAL:HG13	14	0.13
(1,3681)	2:193:B:ILE:HD11	2:188:B:LYS:HE3	3	0.13
(1,3681)	2:193:B:ILE:HD12	2:188:B:LYS:HE3	3	0.13
(1,3681)	2:193:B:ILE:HD13	2:188:B:LYS:HE3	3	0.13
(1,3677)	2:210:B:LYS:HB2	2:210:B:LYS:HG2	7	0.13
(1,3677)	2:210:B:LYS:HB3	2:210:B:LYS:HG2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3670)	2:194:B:LEU:HB2	2:191:B:ASP:HA	19	0.13
(1,3640)	2:233:B:LEU:HD11	2:233:B:LEU:HA	14	0.13
(1,3640)	2:233:B:LEU:HD12	2:233:B:LEU:HA	14	0.13
(1,3640)	2:233:B:LEU:HD13	2:233:B:LEU:HA	14	0.13
(1,3601)	1:231:A:LEU:HD11	2:268:B:VAL:HG11	16	0.13
(1,3601)	1:231:A:LEU:HD11	2:268:B:VAL:HG12	16	0.13
(1,3601)	1:231:A:LEU:HD11	2:268:B:VAL:HG13	16	0.13
(1,3601)	1:231:A:LEU:HD12	2:268:B:VAL:HG11	16	0.13
(1,3601)	1:231:A:LEU:HD12	2:268:B:VAL:HG12	16	0.13
(1,3601)	1:231:A:LEU:HD12	2:268:B:VAL:HG13	16	0.13
(1,3601)	1:231:A:LEU:HD13	2:268:B:VAL:HG11	16	0.13
(1,3601)	1:231:A:LEU:HD13	2:268:B:VAL:HG12	16	0.13
(1,3601)	1:231:A:LEU:HD13	2:268:B:VAL:HG13	16	0.13
(1,3590)	1:238:A:PRO:HB3	1:238:A:PRO:HG2	12	0.13
(1,3553)	1:234:A:THR:HB	1:234:A:THR:HA	5	0.13
(1,3553)	1:234:A:THR:HB	1:234:A:THR:HA	14	0.13
(1,3500)	1:230:A:GLU:HB2	1:230:A:GLU:HG3	14	0.13
(1,3495)	1:230:A:GLU:HA	1:229:A:ASN:HB2	3	0.13
(1,3400)	1:222:A:PRO:HA	1:223:A:THR:HG21	3	0.13
(1,3400)	1:222:A:PRO:HA	1:223:A:THR:HG22	3	0.13
(1,3400)	1:222:A:PRO:HA	1:223:A:THR:HG23	3	0.13
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB1	16	0.13
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB2	16	0.13
(1,3272)	1:218:A:MET:HB3	1:215:A:ALA:HB3	16	0.13
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD21	14	0.13
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD22	14	0.13
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD23	14	0.13
(1,3151)	1:212:A:LEU:HD21	1:208:A:ARG:HD2	4	0.13
(1,3151)	1:212:A:LEU:HD22	1:208:A:ARG:HD2	4	0.13
(1,3151)	1:212:A:LEU:HD23	1:208:A:ARG:HD2	4	0.13
(1,3006)	1:207:A:ARG:HG2	1:207:A:ARG:HD3	12	0.13
(1,3000)	1:211:A:GLU:HB3	1:208:A:ARG:HD2	13	0.13
(1,3000)	1:211:A:GLU:HB3	1:208:A:ARG:HD2	17	0.13
(1,2998)	1:207:A:ARG:HA	1:207:A:ARG:HG3	12	0.13
(1,2974)	1:232:A:THR:H	1:233:A:CYS:H	19	0.13
(1,2942)	1:227:A:LEU:HD21	1:227:A:LEU:H	8	0.13
(1,2942)	1:227:A:LEU:HD22	1:227:A:LEU:H	8	0.13
(1,2942)	1:227:A:LEU:HD23	1:227:A:LEU:H	8	0.13
(1,2942)	1:227:A:LEU:HD21	1:227:A:LEU:H	20	0.13
(1,2942)	1:227:A:LEU:HD22	1:227:A:LEU:H	20	0.13
(1,2942)	1:227:A:LEU:HD23	1:227:A:LEU:H	20	0.13
(1,2940)	1:227:A:LEU:HB2	1:227:A:LEU:H	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2728)	2:321:B:LYS:HG2	2:321:B:LYS:H	15	0.13
(1,2663)	2:181:B:LEU:HB3	2:312:B:GLU:H	10	0.13
(1,2559)	2:296:B:LYS:HB3	2:297:B:TYR:H	3	0.13
(1,2482)	2:288:B:LEU:HD11	2:288:B:LEU:H	16	0.13
(1,2482)	2:288:B:LEU:HD12	2:288:B:LEU:H	16	0.13
(1,2482)	2:288:B:LEU:HD13	2:288:B:LEU:H	16	0.13
(1,2481)	2:288:B:LEU:HG	2:288:B:LEU:H	1	0.13
(1,2190)	2:250:B:PRO:HG3	2:249:B:HIS:H	5	0.13
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	4	0.13
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	4	0.13
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	4	0.13
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	4	0.13
(1,1771)	2:187:B:LYS:HB3	2:188:B:LYS:H	19	0.13
(1,1690)	2:174:B:LEU:HD11	2:178:B:GLN:HE22	15	0.13
(1,1690)	2:174:B:LEU:HD12	2:178:B:GLN:HE22	15	0.13
(1,1690)	2:174:B:LEU:HD13	2:178:B:GLN:HE22	15	0.13
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD21	3	0.13
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD22	3	0.13
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD23	3	0.13
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD21	3	0.13
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD22	3	0.13
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD23	3	0.13
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD11	13	0.13
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD12	13	0.13
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD13	13	0.13
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD11	13	0.13
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD12	13	0.13
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD13	13	0.13
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	4	0.13
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD11	19	0.13
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD12	19	0.13
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD13	19	0.13
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD11	19	0.13
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD12	19	0.13
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD13	19	0.13
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD21	17	0.13
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD22	17	0.13
(1,1330)	2:168:B:LEU:HB3	1:227:A:LEU:HD23	17	0.13
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD11	17	0.13
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD12	17	0.13
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD13	17	0.13
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD11	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD12	17	0.13
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD13	17	0.13
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD11	17	0.13
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD12	17	0.13
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD13	17	0.13
(1,1322)	2:236:B:LYS:HD2	1:224:A:GLN:HG2	18	0.13
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD11	7	0.13
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD12	7	0.13
(1,1259)	2:273:B:MET:HE1	1:213:A:LEU:HD13	7	0.13
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD11	7	0.13
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD12	7	0.13
(1,1259)	2:273:B:MET:HE2	1:213:A:LEU:HD13	7	0.13
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD11	7	0.13
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD12	7	0.13
(1,1259)	2:273:B:MET:HE3	1:213:A:LEU:HD13	7	0.13
(1,1226)	2:287:B:LEU:HD21	1:206:A:LEU:HD21	1	0.13
(1,1226)	2:287:B:LEU:HD21	1:206:A:LEU:HD22	1	0.13
(1,1226)	2:287:B:LEU:HD21	1:206:A:LEU:HD23	1	0.13
(1,1226)	2:287:B:LEU:HD22	1:206:A:LEU:HD21	1	0.13
(1,1226)	2:287:B:LEU:HD22	1:206:A:LEU:HD22	1	0.13
(1,1226)	2:287:B:LEU:HD22	1:206:A:LEU:HD23	1	0.13
(1,1226)	2:287:B:LEU:HD23	1:206:A:LEU:HD21	1	0.13
(1,1226)	2:287:B:LEU:HD23	1:206:A:LEU:HD22	1	0.13
(1,1226)	2:287:B:LEU:HD23	1:206:A:LEU:HD23	1	0.13
(1,1209)	2:286:B:LEU:HD21	1:204:A:PRO:HB2	4	0.13
(1,1209)	2:286:B:LEU:HD22	1:204:A:PRO:HB2	4	0.13
(1,1209)	2:286:B:LEU:HD23	1:204:A:PRO:HB2	4	0.13
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG21	18	0.13
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG22	18	0.13
(1,1180)	1:201:A:TYR:HE1	1:202:A:VAL:HG23	18	0.13
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG21	18	0.13
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG22	18	0.13
(1,1180)	1:201:A:TYR:HE2	1:202:A:VAL:HG23	18	0.13
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD2	9	0.13
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD2	10	0.13
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB1	16	0.13
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB2	16	0.13
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB3	16	0.13
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB1	16	0.13
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB2	16	0.13
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB3	16	0.13
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB1	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB2	16	0.13
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB3	16	0.13
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB1	20	0.13
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB2	20	0.13
(1,1107)	2:181:B:LEU:HD21	2:314:B:ALA:HB3	20	0.13
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB1	20	0.13
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB2	20	0.13
(1,1107)	2:181:B:LEU:HD22	2:314:B:ALA:HB3	20	0.13
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB1	20	0.13
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB2	20	0.13
(1,1107)	2:181:B:LEU:HD23	2:314:B:ALA:HB3	20	0.13
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD11	10	0.13
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD12	10	0.13
(1,1057)	2:188:B:LYS:HE3	2:305:B:LEU:HD13	10	0.13
(1,1045)	2:164:B:LEU:HD21	2:299:B:ALA:HB1	11	0.13
(1,1045)	2:164:B:LEU:HD21	2:299:B:ALA:HB2	11	0.13
(1,1045)	2:164:B:LEU:HD21	2:299:B:ALA:HB3	11	0.13
(1,1045)	2:164:B:LEU:HD22	2:299:B:ALA:HB1	11	0.13
(1,1045)	2:164:B:LEU:HD22	2:299:B:ALA:HB2	11	0.13
(1,1045)	2:164:B:LEU:HD22	2:299:B:ALA:HB3	11	0.13
(1,1045)	2:164:B:LEU:HD23	2:299:B:ALA:HB1	11	0.13
(1,1045)	2:164:B:LEU:HD23	2:299:B:ALA:HB2	11	0.13
(1,1045)	2:164:B:LEU:HD23	2:299:B:ALA:HB3	11	0.13
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD11	11	0.13
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD12	11	0.13
(1,999)	2:287:B:LEU:HD11	2:291:B:LEU:HD13	11	0.13
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD11	11	0.13
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD12	11	0.13
(1,999)	2:287:B:LEU:HD12	2:291:B:LEU:HD13	11	0.13
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD11	11	0.13
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD12	11	0.13
(1,999)	2:287:B:LEU:HD13	2:291:B:LEU:HD13	11	0.13
(1,931)	2:282:B:LYS:HA	2:282:B:LYS:HD3	15	0.13
(1,928)	2:282:B:LYS:HE3	2:282:B:LYS:HG3	16	0.13
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB1	6	0.13
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB2	6	0.13
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB3	6	0.13
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB1	6	0.13
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB2	6	0.13
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB3	6	0.13
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB1	6	0.13
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB3	6	0.13
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE1	11	0.13
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE2	11	0.13
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE3	11	0.13
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE1	16	0.13
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE2	16	0.13
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE3	16	0.13
(1,761)	2:252:B:ALA:HB1	2:256:B:GLN:HG3	15	0.13
(1,761)	2:252:B:ALA:HB2	2:256:B:GLN:HG3	15	0.13
(1,761)	2:252:B:ALA:HB3	2:256:B:GLN:HG3	15	0.13
(1,642)	2:239:B:ARG:HA	2:239:B:ARG:HD2	18	0.13
(1,625)	2:239:B:ARG:HD3	2:236:B:LYS:HA	12	0.13
(1,574)	2:273:B:MET:HB2	2:228:B:MET:HE1	9	0.13
(1,574)	2:273:B:MET:HB2	2:228:B:MET:HE2	9	0.13
(1,574)	2:273:B:MET:HB2	2:228:B:MET:HE3	9	0.13
(1,574)	2:273:B:MET:HB2	2:228:B:MET:HE1	16	0.13
(1,574)	2:273:B:MET:HB2	2:228:B:MET:HE2	16	0.13
(1,574)	2:273:B:MET:HB2	2:228:B:MET:HE3	16	0.13
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE1	11	0.13
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE2	11	0.13
(1,570)	2:232:B:GLN:HG3	2:228:B:MET:HE3	11	0.13
(1,476)	2:200:B:TYR:HE1	2:204:B:ARG:HD2	6	0.13
(1,476)	2:200:B:TYR:HE2	2:204:B:ARG:HD2	6	0.13
(1,454)	2:201:B:ARG:HD3	2:201:B:ARG:HA	7	0.13
(1,262)	2:311:B:TYR:HE1	2:174:B:LEU:HD11	17	0.13
(1,262)	2:311:B:TYR:HE1	2:174:B:LEU:HD12	17	0.13
(1,262)	2:311:B:TYR:HE1	2:174:B:LEU:HD13	17	0.13
(1,262)	2:311:B:TYR:HE2	2:174:B:LEU:HD11	17	0.13
(1,262)	2:311:B:TYR:HE2	2:174:B:LEU:HD12	17	0.13
(1,262)	2:311:B:TYR:HE2	2:174:B:LEU:HD13	17	0.13
(1,213)	2:159:B:LYS:HG3	2:159:B:LYS:HE3	7	0.13
(1,200)	2:159:B:LYS:HB2	2:159:B:LYS:HG3	9	0.13
(1,200)	2:159:B:LYS:HD2	2:159:B:LYS:HG3	13	0.13
(1,177)	2:155:B:GLU:HB3	2:155:B:GLU:HG2	8	0.13
(1,177)	2:155:B:GLU:HB3	2:155:B:GLU:HG2	14	0.13
(1,176)	2:155:B:GLU:HA	2:155:B:GLU:HG2	9	0.13
(3,80)	2:286:B:LEU:O	2:290:B:TYR:N	5	0.12
(3,79)	2:286:B:LEU:O	2:290:B:TYR:H	19	0.12
(3,33)	2:212:B:TYR:O	2:216:B:GLU:H	12	0.12
(2,26)	1:218:A:MET:HG3	1:214:A:ILE:HD11	13	0.12
(2,26)	1:218:A:MET:HG3	1:214:A:ILE:HD12	13	0.12
(2,26)	1:218:A:MET:HG3	1:214:A:ILE:HD13	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,25)	1:225:A:PHE:H	1:223:A:THR:H	5	0.12
(2,25)	1:225:A:PHE:H	1:223:A:THR:H	13	0.12
(2,24)	1:220:A:ARG:HA	1:223:A:THR:H	2	0.12
(2,24)	1:220:A:ARG:HA	1:223:A:THR:H	20	0.12
(1,3945)	2:242:B:TYR:HE1	2:246:B:LEU:HD21	16	0.12
(1,3945)	2:242:B:TYR:HE1	2:246:B:LEU:HD22	16	0.12
(1,3945)	2:242:B:TYR:HE1	2:246:B:LEU:HD23	16	0.12
(1,3945)	2:242:B:TYR:HE2	2:246:B:LEU:HD21	16	0.12
(1,3945)	2:242:B:TYR:HE2	2:246:B:LEU:HD22	16	0.12
(1,3945)	2:242:B:TYR:HE2	2:246:B:LEU:HD23	16	0.12
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	6	0.12
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	6	0.12
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	6	0.12
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD11	20	0.12
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD12	20	0.12
(1,3879)	2:279:B:LEU:HD21	1:213:A:LEU:HD13	20	0.12
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD11	20	0.12
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD12	20	0.12
(1,3879)	2:279:B:LEU:HD22	1:213:A:LEU:HD13	20	0.12
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD11	20	0.12
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD12	20	0.12
(1,3879)	2:279:B:LEU:HD23	1:213:A:LEU:HD13	20	0.12
(1,3877)	2:277:B:THR:HG21	1:213:A:LEU:HG	1	0.12
(1,3877)	2:277:B:THR:HG22	1:213:A:LEU:HG	1	0.12
(1,3877)	2:277:B:THR:HG23	1:213:A:LEU:HG	1	0.12
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG21	14	0.12
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG22	14	0.12
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG23	14	0.12
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG21	14	0.12
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG22	14	0.12
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG23	14	0.12
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG21	14	0.12
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG22	14	0.12
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG23	14	0.12
(1,3809)	2:210:B:LYS:HG3	2:210:B:LYS:HD2	18	0.12
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD11	1	0.12
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD12	1	0.12
(1,3792)	2:274:B:LEU:HA	2:274:B:LEU:HD13	1	0.12
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG21	1	0.12
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG22	1	0.12
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG23	1	0.12
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG21	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG22	1	0.12
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG23	1	0.12
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG21	1	0.12
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG22	1	0.12
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG23	1	0.12
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG21	6	0.12
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG22	6	0.12
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG23	6	0.12
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG21	11	0.12
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG22	11	0.12
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG23	11	0.12
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG11	7	0.12
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG12	7	0.12
(1,3776)	2:254:B:MET:HE1	2:257:B:VAL:HG13	7	0.12
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG11	7	0.12
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG12	7	0.12
(1,3776)	2:254:B:MET:HE2	2:257:B:VAL:HG13	7	0.12
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG11	7	0.12
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG12	7	0.12
(1,3776)	2:254:B:MET:HE3	2:257:B:VAL:HG13	7	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG21	2	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG22	2	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG23	2	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG21	3	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG22	3	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG23	3	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG21	7	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG22	7	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG23	7	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG21	11	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG22	11	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG23	11	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG21	12	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG22	12	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG23	12	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG21	20	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG22	20	0.12
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG23	20	0.12
(1,3703)	2:204:B:ARG:HG2	2:201:B:ARG:HA	9	0.12
(1,3703)	2:204:B:ARG:HG2	2:201:B:ARG:HA	10	0.12
(1,3698)	2:198:B:ALA:HB1	2:195:B:GLU:HG3	9	0.12
(1,3698)	2:198:B:ALA:HB2	2:195:B:GLU:HG3	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3698)	2:198:B:ALA:HB3	2:195:B:GLU:HG3	9	0.12
(1,3694)	2:194:B:LEU:HA	2:194:B:LEU:HD11	18	0.12
(1,3694)	2:194:B:LEU:HA	2:194:B:LEU:HD12	18	0.12
(1,3694)	2:194:B:LEU:HA	2:194:B:LEU:HD13	18	0.12
(1,3677)	2:187:B:LYS:HB3	2:187:B:LYS:HG2	14	0.12
(1,3675)	2:187:B:LYS:HG2	2:187:B:LYS:HD2	2	0.12
(1,3675)	2:210:B:LYS:HG2	2:210:B:LYS:HD3	10	0.12
(1,3675)	2:187:B:LYS:HG2	2:187:B:LYS:HD2	15	0.12
(1,3675)	2:187:B:LYS:HG2	2:187:B:LYS:HD3	18	0.12
(1,3597)	1:217:A:ALA:HA	2:227:B:VAL:HG21	10	0.12
(1,3597)	1:217:A:ALA:HA	2:227:B:VAL:HG22	10	0.12
(1,3597)	1:217:A:ALA:HA	2:227:B:VAL:HG23	10	0.12
(1,3590)	1:204:A:PRO:HB3	1:204:A:PRO:HG2	16	0.12
(1,3553)	1:234:A:THR:HB	1:234:A:THR:HA	2	0.12
(1,3553)	1:234:A:THR:HB	1:234:A:THR:HA	8	0.12
(1,3553)	1:234:A:THR:HB	1:234:A:THR:HA	12	0.12
(1,3553)	1:234:A:THR:HB	1:234:A:THR:HA	19	0.12
(1,3551)	1:234:A:THR:HA	1:233:A:CYS:HB2	12	0.12
(1,3551)	1:234:A:THR:HA	1:233:A:CYS:HB2	13	0.12
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG21	3	0.12
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG22	3	0.12
(1,3544)	1:229:A:ASN:HA	1:232:A:THR:HG23	3	0.12
(1,3499)	1:230:A:GLU:HA	1:230:A:GLU:HG2	13	0.12
(1,3499)	1:230:A:GLU:HA	1:230:A:GLU:HG2	18	0.12
(1,3495)	1:230:A:GLU:HA	1:229:A:ASN:HB2	12	0.12
(1,3484)	1:231:A:LEU:HD11	1:228:A:PRO:HD2	14	0.12
(1,3484)	1:231:A:LEU:HD12	1:228:A:PRO:HD2	14	0.12
(1,3484)	1:231:A:LEU:HD13	1:228:A:PRO:HD2	14	0.12
(1,3480)	1:231:A:LEU:HD11	1:228:A:PRO:HB2	7	0.12
(1,3480)	1:231:A:LEU:HD12	1:228:A:PRO:HB2	7	0.12
(1,3480)	1:231:A:LEU:HD13	1:228:A:PRO:HB2	7	0.12
(1,3480)	1:231:A:LEU:HD11	1:228:A:PRO:HB2	14	0.12
(1,3480)	1:231:A:LEU:HD12	1:228:A:PRO:HB2	14	0.12
(1,3480)	1:231:A:LEU:HD13	1:228:A:PRO:HB2	14	0.12
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD11	9	0.12
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD12	9	0.12
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD13	9	0.12
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD11	17	0.12
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD12	17	0.12
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD13	17	0.12
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD21	17	0.12
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD22	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD23	17	0.12
(1,3020)	1:238:A:PRO:HD2	1:237:A:LEU:HG	18	0.12
(1,3012)	1:208:A:ARG:HB2	1:208:A:ARG:HD2	2	0.12
(1,3000)	1:211:A:GLU:HB3	1:207:A:ARG:HD2	16	0.12
(1,2998)	1:220:A:ARG:HA	1:220:A:ARG:HG2	17	0.12
(1,2891)	1:220:A:ARG:HG2	1:220:A:ARG:H	6	0.12
(1,2873)	1:218:A:MET:HB2	1:219:A:GLU:H	7	0.12
(1,2738)	2:320:B:ARG:HG2	2:323:B:VAL:H	1	0.12
(1,2735)	2:322:B:ALA:HB1	2:322:B:ALA:H	4	0.12
(1,2735)	2:322:B:ALA:HB2	2:322:B:ALA:H	4	0.12
(1,2735)	2:322:B:ALA:HB3	2:322:B:ALA:H	4	0.12
(1,2627)	2:303:B:ALA:HB1	2:305:B:LEU:H	6	0.12
(1,2627)	2:303:B:ALA:HB2	2:305:B:LEU:H	6	0.12
(1,2627)	2:303:B:ALA:HB3	2:305:B:LEU:H	6	0.12
(1,2627)	2:303:B:ALA:HB1	2:305:B:LEU:H	7	0.12
(1,2627)	2:303:B:ALA:HB2	2:305:B:LEU:H	7	0.12
(1,2627)	2:303:B:ALA:HB3	2:305:B:LEU:H	7	0.12
(1,2627)	2:305:B:LEU:HG	2:305:B:LEU:H	12	0.12
(1,2546)	2:295:B:LEU:HG	2:295:B:LEU:H	16	0.12
(1,2525)	2:295:B:LEU:HD11	2:292:B:HIS:H	1	0.12
(1,2525)	2:295:B:LEU:HD12	2:292:B:HIS:H	1	0.12
(1,2525)	2:295:B:LEU:HD13	2:292:B:HIS:H	1	0.12
(1,2482)	2:288:B:LEU:HD11	2:288:B:LEU:H	17	0.12
(1,2482)	2:288:B:LEU:HD12	2:288:B:LEU:H	17	0.12
(1,2482)	2:288:B:LEU:HD13	2:288:B:LEU:H	17	0.12
(1,2472)	2:287:B:LEU:HG	2:287:B:LEU:H	6	0.12
(1,2452)	2:286:B:LEU:H	2:285:B:ALA:H	6	0.12
(1,2449)	2:284:B:LEU:HD11	2:285:B:ALA:H	14	0.12
(1,2449)	2:284:B:LEU:HD12	2:285:B:ALA:H	14	0.12
(1,2449)	2:284:B:LEU:HD13	2:285:B:ALA:H	14	0.12
(1,2410)	2:280:B:ASP:HB3	2:281:B:GLU:H	8	0.12
(1,2319)	2:158:B:VAL:HG21	2:270:B:ILE:H	9	0.12
(1,2319)	2:158:B:VAL:HG22	2:270:B:ILE:H	9	0.12
(1,2319)	2:158:B:VAL:HG23	2:270:B:ILE:H	9	0.12
(1,2307)	2:268:B:VAL:HB	2:268:B:VAL:H	16	0.12
(1,2307)	2:268:B:VAL:HB	2:268:B:VAL:H	19	0.12
(1,2255)	2:253:B:PRO:HB3	2:256:B:GLN:H	13	0.12
(1,2254)	2:256:B:GLN:HB3	2:256:B:GLN:H	3	0.12
(1,2177)	2:246:B:LEU:HB2	2:247:B:ALA:H	3	0.12
(1,1686)	2:233:B:LEU:HD21	2:267:B:PHE:H	4	0.12
(1,1686)	2:233:B:LEU:HD22	2:267:B:PHE:H	4	0.12
(1,1686)	2:233:B:LEU:HD23	2:267:B:PHE:H	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1554)	2:155:B:GLU:HG3	2:156:B:VAL:H	5	0.12
(1,1544)	2:154:B:ALA:HA	2:155:B:GLU:H	15	0.12
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD21	4	0.12
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD22	4	0.12
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD23	4	0.12
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD21	4	0.12
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD22	4	0.12
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD23	4	0.12
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD11	5	0.12
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD12	5	0.12
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD13	5	0.12
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD11	5	0.12
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD12	5	0.12
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD13	5	0.12
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD11	14	0.12
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD12	14	0.12
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD13	14	0.12
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD11	14	0.12
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD12	14	0.12
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD13	14	0.12
(1,1367)	2:172:B:TRP:HE3	2:172:B:TRP:HA	8	0.12
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD11	2	0.12
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD12	2	0.12
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD13	2	0.12
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD11	2	0.12
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD12	2	0.12
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD13	2	0.12
(1,1211)	2:217:B:VAL:HG21	1:206:A:LEU:HG	11	0.12
(1,1211)	2:217:B:VAL:HG22	1:206:A:LEU:HG	11	0.12
(1,1211)	2:217:B:VAL:HG23	1:206:A:LEU:HG	11	0.12
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG21	8	0.12
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG22	8	0.12
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG23	8	0.12
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG21	19	0.12
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG22	19	0.12
(1,1170)	2:320:B:ARG:HD3	2:323:B:VAL:HG23	19	0.12
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD3	12	0.12
(1,1099)	2:313:B:VAL:HA	2:313:B:VAL:HG11	20	0.12
(1,1099)	2:313:B:VAL:HA	2:313:B:VAL:HG12	20	0.12
(1,1099)	2:313:B:VAL:HA	2:313:B:VAL:HG13	20	0.12
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB1	19	0.12
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB2	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB3	19	0.12
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB1	19	0.12
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB2	19	0.12
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB3	19	0.12
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB1	19	0.12
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB2	19	0.12
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB3	19	0.12
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE1	2	0.12
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE2	2	0.12
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE3	2	0.12
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG21	14	0.12
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG22	14	0.12
(1,773)	2:184:B:LEU:HD21	2:257:B:VAL:HG23	14	0.12
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG21	14	0.12
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG22	14	0.12
(1,773)	2:184:B:LEU:HD22	2:257:B:VAL:HG23	14	0.12
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG21	14	0.12
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG22	14	0.12
(1,773)	2:184:B:LEU:HD23	2:257:B:VAL:HG23	14	0.12
(1,765)	2:184:B:LEU:HD11	2:257:B:VAL:HG11	3	0.12
(1,765)	2:184:B:LEU:HD11	2:257:B:VAL:HG12	3	0.12
(1,765)	2:184:B:LEU:HD11	2:257:B:VAL:HG13	3	0.12
(1,765)	2:184:B:LEU:HD12	2:257:B:VAL:HG11	3	0.12
(1,765)	2:184:B:LEU:HD12	2:257:B:VAL:HG12	3	0.12
(1,765)	2:184:B:LEU:HD12	2:257:B:VAL:HG13	3	0.12
(1,765)	2:184:B:LEU:HD13	2:257:B:VAL:HG11	3	0.12
(1,765)	2:184:B:LEU:HD13	2:257:B:VAL:HG12	3	0.12
(1,765)	2:184:B:LEU:HD13	2:257:B:VAL:HG13	3	0.12
(1,759)	2:253:B:PRO:HG2	2:256:B:GLN:HG3	6	0.12
(1,675)	2:257:B:VAL:HG11	2:245:B:ILE:HD11	10	0.12
(1,675)	2:257:B:VAL:HG11	2:245:B:ILE:HD12	10	0.12
(1,675)	2:257:B:VAL:HG11	2:245:B:ILE:HD13	10	0.12
(1,675)	2:257:B:VAL:HG12	2:245:B:ILE:HD11	10	0.12
(1,675)	2:257:B:VAL:HG12	2:245:B:ILE:HD12	10	0.12
(1,675)	2:257:B:VAL:HG12	2:245:B:ILE:HD13	10	0.12
(1,675)	2:257:B:VAL:HG13	2:245:B:ILE:HD11	10	0.12
(1,675)	2:257:B:VAL:HG13	2:245:B:ILE:HD12	10	0.12
(1,675)	2:257:B:VAL:HG13	2:245:B:ILE:HD13	10	0.12
(1,675)	2:257:B:VAL:HG11	2:245:B:ILE:HD11	20	0.12
(1,675)	2:257:B:VAL:HG11	2:245:B:ILE:HD12	20	0.12
(1,675)	2:257:B:VAL:HG11	2:245:B:ILE:HD13	20	0.12
(1,675)	2:257:B:VAL:HG12	2:245:B:ILE:HD11	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	2:257:B:VAL:HG12	2:245:B:ILE:HD12	20	0.12
(1,675)	2:257:B:VAL:HG12	2:245:B:ILE:HD13	20	0.12
(1,675)	2:257:B:VAL:HG13	2:245:B:ILE:HD11	20	0.12
(1,675)	2:257:B:VAL:HG13	2:245:B:ILE:HD12	20	0.12
(1,675)	2:257:B:VAL:HG13	2:245:B:ILE:HD13	20	0.12
(1,637)	2:239:B:ARG:HA	2:239:B:ARG:HD3	12	0.12
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD21	11	0.12
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD22	11	0.12
(1,609)	2:269:B:ARG:HG3	2:233:B:LEU:HD23	11	0.12
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG11	2	0.12
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG12	2	0.12
(1,509)	2:290:B:TYR:HE1	2:214:B:VAL:HG13	2	0.12
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG11	2	0.12
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG12	2	0.12
(1,509)	2:290:B:TYR:HE2	2:214:B:VAL:HG13	2	0.12
(1,454)	2:201:B:ARG:HD3	2:201:B:ARG:HA	14	0.12
(1,375)	2:187:B:LYS:HD3	2:187:B:LYS:HE2	6	0.12
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD11	8	0.12
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD12	8	0.12
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD13	8	0.12
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD11	8	0.12
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD12	8	0.12
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD13	8	0.12
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD11	8	0.12
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD12	8	0.12
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD13	8	0.12
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD11	14	0.12
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD12	14	0.12
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD13	14	0.12
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD11	14	0.12
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD12	14	0.12
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD13	14	0.12
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD11	14	0.12
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD12	14	0.12
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD13	14	0.12
(1,262)	2:311:B:TYR:HE1	2:174:B:LEU:HD11	12	0.12
(1,262)	2:311:B:TYR:HE1	2:174:B:LEU:HD12	12	0.12
(1,262)	2:311:B:TYR:HE1	2:174:B:LEU:HD13	12	0.12
(1,262)	2:311:B:TYR:HE2	2:174:B:LEU:HD11	12	0.12
(1,262)	2:311:B:TYR:HE2	2:174:B:LEU:HD12	12	0.12
(1,262)	2:311:B:TYR:HE2	2:174:B:LEU:HD13	12	0.12
(1,178)	2:274:B:LEU:HD11	2:156:B:VAL:HB	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	2:274:B:LEU:HD12	2:156:B:VAL:HB	12	0.12
(1,178)	2:274:B:LEU:HD13	2:156:B:VAL:HB	12	0.12
(1,177)	2:155:B:GLU:HB2	2:155:B:GLU:HG3	1	0.12
(1,177)	2:155:B:GLU:HB3	2:155:B:GLU:HG2	2	0.12
(1,177)	2:155:B:GLU:HB2	2:155:B:GLU:HG3	11	0.12
(1,140)	1:204:A:PRO:HB2	2:286:B:LEU:HD11	16	0.12
(1,140)	1:204:A:PRO:HB2	2:286:B:LEU:HD12	16	0.12
(1,140)	1:204:A:PRO:HB2	2:286:B:LEU:HD13	16	0.12
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG11	13	0.12
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG12	13	0.12
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG13	13	0.12
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG11	13	0.12
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG12	13	0.12
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG13	13	0.12
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG11	13	0.12
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG12	13	0.12
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG13	13	0.12
(1,12)	1:231:A:LEU:HB2	2:169:B:VAL:HG21	17	0.12
(1,12)	1:231:A:LEU:HB2	2:169:B:VAL:HG22	17	0.12
(1,12)	1:231:A:LEU:HB2	2:169:B:VAL:HG23	17	0.12
(3,80)	2:286:B:LEU:O	2:290:B:TYR:N	13	0.11
(3,79)	2:286:B:LEU:O	2:290:B:TYR:H	6	0.11
(3,79)	2:286:B:LEU:O	2:290:B:TYR:H	20	0.11
(3,55)	2:223:B:GLU:O	2:227:B:VAL:H	13	0.11
(2,24)	1:220:A:ARG:HA	1:223:A:THR:H	15	0.11
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG11	3	0.11
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG12	3	0.11
(1,3949)	2:267:B:PHE:HD1	2:158:B:VAL:HG13	3	0.11
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG11	3	0.11
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG12	3	0.11
(1,3949)	2:267:B:PHE:HD2	2:158:B:VAL:HG13	3	0.11
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB1	6	0.11
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB2	6	0.11
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB3	6	0.11
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB1	19	0.11
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB2	19	0.11
(1,3915)	2:182:B:PHE:HZ	2:186:B:ALA:HB3	19	0.11
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD11	9	0.11
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD12	9	0.11
(1,3898)	2:168:B:LEU:HD21	1:227:A:LEU:HD13	9	0.11
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD11	9	0.11
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD12	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3898)	2:168:B:LEU:HD22	1:227:A:LEU:HD13	9	0.11
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD11	9	0.11
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD12	9	0.11
(1,3898)	2:168:B:LEU:HD23	1:227:A:LEU:HD13	9	0.11
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB1	18	0.11
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB2	18	0.11
(1,3888)	2:273:B:MET:HB2	1:216:A:ALA:HB3	18	0.11
(1,3862)	2:320:B:ARG:HD2	2:323:B:VAL:HG11	3	0.11
(1,3862)	2:320:B:ARG:HD2	2:323:B:VAL:HG12	3	0.11
(1,3862)	2:320:B:ARG:HD2	2:323:B:VAL:HG13	3	0.11
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG21	12	0.11
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG22	12	0.11
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG23	12	0.11
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG21	12	0.11
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG22	12	0.11
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG23	12	0.11
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG21	12	0.11
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG22	12	0.11
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG23	12	0.11
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG21	13	0.11
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG22	13	0.11
(1,3842)	2:303:B:ALA:HB1	2:304:B:THR:HG23	13	0.11
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG21	13	0.11
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG22	13	0.11
(1,3842)	2:303:B:ALA:HB2	2:304:B:THR:HG23	13	0.11
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG21	13	0.11
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG22	13	0.11
(1,3842)	2:303:B:ALA:HB3	2:304:B:THR:HG23	13	0.11
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD21	19	0.11
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD22	19	0.11
(1,3841)	2:294:B:PHE:HZ	2:298:B:LEU:HD23	19	0.11
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD21	19	0.11
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD22	19	0.11
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD23	19	0.11
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD21	19	0.11
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD22	19	0.11
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD23	19	0.11
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD21	19	0.11
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD22	19	0.11
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD23	19	0.11
(1,3809)	2:282:B:LYS:HG2	2:282:B:LYS:HD3	5	0.11
(1,3806)	2:317:B:GLU:HB2	2:317:B:GLU:HG3	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3793)	2:265:B:ARG:HB2	2:266:B:LEU:HD11	17	0.11
(1,3793)	2:265:B:ARG:HB2	2:266:B:LEU:HD12	17	0.11
(1,3793)	2:265:B:ARG:HB2	2:266:B:LEU:HD13	17	0.11
(1,3786)	2:158:B:VAL:HG11	2:270:B:ILE:HG21	4	0.11
(1,3786)	2:158:B:VAL:HG11	2:270:B:ILE:HG22	4	0.11
(1,3786)	2:158:B:VAL:HG11	2:270:B:ILE:HG23	4	0.11
(1,3786)	2:158:B:VAL:HG12	2:270:B:ILE:HG21	4	0.11
(1,3786)	2:158:B:VAL:HG12	2:270:B:ILE:HG22	4	0.11
(1,3786)	2:158:B:VAL:HG12	2:270:B:ILE:HG23	4	0.11
(1,3786)	2:158:B:VAL:HG13	2:270:B:ILE:HG21	4	0.11
(1,3786)	2:158:B:VAL:HG13	2:270:B:ILE:HG22	4	0.11
(1,3786)	2:158:B:VAL:HG13	2:270:B:ILE:HG23	4	0.11
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG21	6	0.11
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG22	6	0.11
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG23	6	0.11
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG21	6	0.11
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG22	6	0.11
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG23	6	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG21	6	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG22	6	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG23	6	0.11
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG21	12	0.11
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG22	12	0.11
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG23	12	0.11
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG21	12	0.11
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG22	12	0.11
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG23	12	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG21	12	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG22	12	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG23	12	0.11
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG21	16	0.11
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG22	16	0.11
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG23	16	0.11
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG21	16	0.11
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG22	16	0.11
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG23	16	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG21	16	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG22	16	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG23	16	0.11
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG21	19	0.11
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG22	19	0.11
(1,3779)	2:252:B:ALA:HB1	2:257:B:VAL:HG23	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG21	19	0.11
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG22	19	0.11
(1,3779)	2:252:B:ALA:HB2	2:257:B:VAL:HG23	19	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG21	19	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG22	19	0.11
(1,3779)	2:252:B:ALA:HB3	2:257:B:VAL:HG23	19	0.11
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG21	9	0.11
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG22	9	0.11
(1,3777)	2:258:B:TYR:HA	2:257:B:VAL:HG23	9	0.11
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB1	14	0.11
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB2	14	0.11
(1,3764)	2:256:B:GLN:HG2	2:252:B:ALA:HB3	14	0.11
(1,3729)	2:227:B:VAL:HA	2:227:B:VAL:HG21	20	0.11
(1,3729)	2:227:B:VAL:HA	2:227:B:VAL:HG22	20	0.11
(1,3729)	2:227:B:VAL:HA	2:227:B:VAL:HG23	20	0.11
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG21	9	0.11
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG22	9	0.11
(1,3715)	2:214:B:VAL:HA	2:214:B:VAL:HG23	9	0.11
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG21	16	0.11
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG22	16	0.11
(1,3714)	2:198:B:ALA:HB1	2:214:B:VAL:HG23	16	0.11
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG21	16	0.11
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG22	16	0.11
(1,3714)	2:198:B:ALA:HB2	2:214:B:VAL:HG23	16	0.11
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG21	16	0.11
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG22	16	0.11
(1,3714)	2:198:B:ALA:HB3	2:214:B:VAL:HG23	16	0.11
(1,3685)	2:194:B:LEU:HD21	2:190:B:VAL:HG11	14	0.11
(1,3685)	2:194:B:LEU:HD21	2:190:B:VAL:HG12	14	0.11
(1,3685)	2:194:B:LEU:HD21	2:190:B:VAL:HG13	14	0.11
(1,3685)	2:194:B:LEU:HD22	2:190:B:VAL:HG11	14	0.11
(1,3685)	2:194:B:LEU:HD22	2:190:B:VAL:HG12	14	0.11
(1,3685)	2:194:B:LEU:HD22	2:190:B:VAL:HG13	14	0.11
(1,3685)	2:194:B:LEU:HD23	2:190:B:VAL:HG11	14	0.11
(1,3685)	2:194:B:LEU:HD23	2:190:B:VAL:HG12	14	0.11
(1,3685)	2:194:B:LEU:HD23	2:190:B:VAL:HG13	14	0.11
(1,3682)	2:305:B:LEU:HD11	2:188:B:LYS:HE2	17	0.11
(1,3682)	2:305:B:LEU:HD12	2:188:B:LYS:HE2	17	0.11
(1,3682)	2:305:B:LEU:HD13	2:188:B:LYS:HE2	17	0.11
(1,3677)	2:210:B:LYS:HB3	2:210:B:LYS:HG2	12	0.11
(1,3677)	2:210:B:LYS:HB3	2:210:B:LYS:HG2	16	0.11
(1,3677)	2:210:B:LYS:HB2	2:210:B:LYS:HG2	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3675)	2:187:B:LYS:HG2	2:187:B:LYS:HD2	6	0.11
(1,3675)	2:187:B:LYS:HG2	2:187:B:LYS:HD2	14	0.11
(1,3670)	2:194:B:LEU:HB2	2:191:B:ASP:HA	6	0.11
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG11	5	0.11
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG12	5	0.11
(1,3634)	2:249:B:HIS:HD2	2:257:B:VAL:HG13	5	0.11
(1,3567)	1:238:A:PRO:HD2	1:237:A:LEU:HD21	4	0.11
(1,3567)	1:238:A:PRO:HD2	1:237:A:LEU:HD22	4	0.11
(1,3567)	1:238:A:PRO:HD2	1:237:A:LEU:HD23	4	0.11
(1,3555)	1:234:A:THR:HA	1:234:A:THR:HG21	6	0.11
(1,3555)	1:234:A:THR:HA	1:234:A:THR:HG22	6	0.11
(1,3555)	1:234:A:THR:HA	1:234:A:THR:HG23	6	0.11
(1,3553)	1:234:A:THR:HB	1:234:A:THR:HA	1	0.11
(1,3553)	1:234:A:THR:HB	1:234:A:THR:HA	16	0.11
(1,3499)	1:230:A:GLU:HA	1:230:A:GLU:HG3	2	0.11
(1,3499)	1:230:A:GLU:HA	1:230:A:GLU:HG3	7	0.11
(1,3499)	1:230:A:GLU:HA	1:230:A:GLU:HG3	16	0.11
(1,3449)	1:227:A:LEU:HA	1:227:A:LEU:HD11	4	0.11
(1,3449)	1:227:A:LEU:HA	1:227:A:LEU:HD12	4	0.11
(1,3449)	1:227:A:LEU:HA	1:227:A:LEU:HD13	4	0.11
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD11	2	0.11
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD12	2	0.11
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD13	2	0.11
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD11	3	0.11
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD12	3	0.11
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD13	3	0.11
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD11	11	0.11
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD12	11	0.11
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD13	11	0.11
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD11	18	0.11
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD12	18	0.11
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD13	18	0.11
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD21	12	0.11
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD22	12	0.11
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD23	12	0.11
(1,3150)	1:212:A:LEU:HG	1:208:A:ARG:HD3	1	0.11
(1,3150)	1:212:A:LEU:HG	1:208:A:ARG:HD3	5	0.11
(1,3012)	1:208:A:ARG:HB2	1:208:A:ARG:HD2	14	0.11
(1,3006)	1:207:A:ARG:HG2	1:207:A:ARG:HD3	2	0.11
(1,3006)	1:207:A:ARG:HG3	1:207:A:ARG:HD2	16	0.11
(1,2934)	1:227:A:LEU:HG	1:227:A:LEU:H	3	0.11
(1,2766)	1:203:A:GLN:HB3	1:203:A:GLN:H	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2762)	1:203:A:GLN:HB2	1:203:A:GLN:H	3	0.11
(1,2347)	2:273:B:MET:HG2	2:273:B:MET:H	8	0.11
(1,2259)	2:256:B:GLN:HB3	2:257:B:VAL:H	20	0.11
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	2	0.11
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	2	0.11
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	2	0.11
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	14	0.11
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	14	0.11
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	14	0.11
(1,2103)	2:235:B:TYR:HB3	2:236:B:LYS:H	12	0.11
(1,1999)	2:222:B:LYS:HG2	2:223:B:GLU:H	20	0.11
(1,1997)	2:244:B:GLU:HA	2:248:B:ASP:H	3	0.11
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	5	0.11
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	11	0.11
(1,1581)	2:159:B:LYS:HB3	2:160:B:ILE:H	12	0.11
(1,1556)	2:156:B:VAL:HB	2:156:B:VAL:H	17	0.11
(1,1553)	2:274:B:LEU:HB2	2:156:B:VAL:H	20	0.11
(1,1551)	2:274:B:LEU:HD11	2:156:B:VAL:H	14	0.11
(1,1551)	2:274:B:LEU:HD12	2:156:B:VAL:H	14	0.11
(1,1551)	2:274:B:LEU:HD13	2:156:B:VAL:H	14	0.11
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD21	9	0.11
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD22	9	0.11
(1,1516)	2:311:B:TYR:HE1	2:174:B:LEU:HD23	9	0.11
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD21	9	0.11
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD22	9	0.11
(1,1516)	2:311:B:TYR:HE2	2:174:B:LEU:HD23	9	0.11
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD21	15	0.11
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD22	15	0.11
(1,1513)	2:306:B:PHE:HZ	2:164:B:LEU:HD23	15	0.11
(1,1482)	2:290:B:TYR:HE1	2:286:B:LEU:HG	14	0.11
(1,1482)	2:290:B:TYR:HE2	2:286:B:LEU:HG	14	0.11
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD11	1	0.11
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD12	1	0.11
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD13	1	0.11
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD11	15	0.11
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD12	15	0.11
(1,1450)	2:262:B:HIS:HD2	2:233:B:LEU:HD13	15	0.11
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD11	6	0.11
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD12	6	0.11
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD13	6	0.11
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD11	6	0.11
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD12	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD13	6	0.11
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD11	10	0.11
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD12	10	0.11
(1,1358)	2:290:B:TYR:HE1	2:287:B:LEU:HD13	10	0.11
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD11	10	0.11
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD12	10	0.11
(1,1358)	2:290:B:TYR:HE2	2:287:B:LEU:HD13	10	0.11
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD11	10	0.11
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD12	10	0.11
(1,1329)	2:268:B:VAL:HG21	1:227:A:LEU:HD13	10	0.11
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD11	10	0.11
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD12	10	0.11
(1,1329)	2:268:B:VAL:HG22	1:227:A:LEU:HD13	10	0.11
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD11	10	0.11
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD12	10	0.11
(1,1329)	2:268:B:VAL:HG23	1:227:A:LEU:HD13	10	0.11
(1,1299)	2:273:B:MET:HE1	1:220:A:ARG:HB3	6	0.11
(1,1299)	2:273:B:MET:HE2	1:220:A:ARG:HB3	6	0.11
(1,1299)	2:273:B:MET:HE3	1:220:A:ARG:HB3	6	0.11
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG3	7	0.11
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG3	7	0.11
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG3	7	0.11
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD2	3	0.11
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD2	8	0.11
(1,1149)	2:321:B:LYS:HG2	2:321:B:LYS:HA	17	0.11
(1,1143)	2:320:B:ARG:HB2	2:320:B:ARG:HD2	16	0.11
(1,1099)	2:313:B:VAL:HA	2:313:B:VAL:HG11	9	0.11
(1,1099)	2:313:B:VAL:HA	2:313:B:VAL:HG12	9	0.11
(1,1099)	2:313:B:VAL:HA	2:313:B:VAL:HG13	9	0.11
(1,1099)	2:313:B:VAL:HA	2:313:B:VAL:HG11	17	0.11
(1,1099)	2:313:B:VAL:HA	2:313:B:VAL:HG12	17	0.11
(1,1099)	2:313:B:VAL:HA	2:313:B:VAL:HG13	17	0.11
(1,1045)	2:164:B:LEU:HD21	2:299:B:ALA:HB1	2	0.11
(1,1045)	2:164:B:LEU:HD21	2:299:B:ALA:HB2	2	0.11
(1,1045)	2:164:B:LEU:HD21	2:299:B:ALA:HB3	2	0.11
(1,1045)	2:164:B:LEU:HD22	2:299:B:ALA:HB1	2	0.11
(1,1045)	2:164:B:LEU:HD22	2:299:B:ALA:HB2	2	0.11
(1,1045)	2:164:B:LEU:HD22	2:299:B:ALA:HB3	2	0.11
(1,1045)	2:164:B:LEU:HD23	2:299:B:ALA:HB1	2	0.11
(1,1045)	2:164:B:LEU:HD23	2:299:B:ALA:HB2	2	0.11
(1,1045)	2:164:B:LEU:HD23	2:299:B:ALA:HB3	2	0.11
(1,1010)	2:296:B:LYS:HE2	2:293:B:ASP:HA	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	2:288:B:LEU:HB3	2:288:B:LEU:HD11	12	0.11
(1,984)	2:288:B:LEU:HB3	2:288:B:LEU:HD12	12	0.11
(1,984)	2:288:B:LEU:HB3	2:288:B:LEU:HD13	12	0.11
(1,930)	2:282:B:LYS:HD3	2:282:B:LYS:HG2	5	0.11
(1,917)	2:281:B:GLU:HG3	2:281:B:GLU:HB2	5	0.11
(1,917)	2:281:B:GLU:HG3	2:281:B:GLU:HB2	7	0.11
(1,917)	2:281:B:GLU:HG3	2:281:B:GLU:HB2	8	0.11
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB1	12	0.11
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB2	12	0.11
(1,873)	2:272:B:ALA:HB1	2:275:B:ALA:HB3	12	0.11
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB1	12	0.11
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB2	12	0.11
(1,873)	2:272:B:ALA:HB2	2:275:B:ALA:HB3	12	0.11
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB1	12	0.11
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB2	12	0.11
(1,873)	2:272:B:ALA:HB3	2:275:B:ALA:HB3	12	0.11
(1,778)	2:184:B:LEU:HD11	2:258:B:TYR:HA	4	0.11
(1,778)	2:184:B:LEU:HD12	2:258:B:TYR:HA	4	0.11
(1,778)	2:184:B:LEU:HD13	2:258:B:TYR:HA	4	0.11
(1,778)	2:184:B:LEU:HD11	2:258:B:TYR:HA	15	0.11
(1,778)	2:184:B:LEU:HD12	2:258:B:TYR:HA	15	0.11
(1,778)	2:184:B:LEU:HD13	2:258:B:TYR:HA	15	0.11
(1,774)	2:256:B:GLN:HB2	2:257:B:VAL:HG21	12	0.11
(1,774)	2:256:B:GLN:HB2	2:257:B:VAL:HG22	12	0.11
(1,774)	2:256:B:GLN:HB2	2:257:B:VAL:HG23	12	0.11
(1,628)	2:236:B:LYS:HB2	2:236:B:LYS:HE3	1	0.11
(1,507)	2:214:B:VAL:HA	2:214:B:VAL:HG11	16	0.11
(1,507)	2:214:B:VAL:HA	2:214:B:VAL:HG12	16	0.11
(1,507)	2:214:B:VAL:HA	2:214:B:VAL:HG13	16	0.11
(1,454)	2:201:B:ARG:HD3	2:201:B:ARG:HA	9	0.11
(1,414)	2:263:B:LEU:HD21	2:190:B:VAL:HG21	14	0.11
(1,414)	2:263:B:LEU:HD21	2:190:B:VAL:HG22	14	0.11
(1,414)	2:263:B:LEU:HD21	2:190:B:VAL:HG23	14	0.11
(1,414)	2:263:B:LEU:HD22	2:190:B:VAL:HG21	14	0.11
(1,414)	2:263:B:LEU:HD22	2:190:B:VAL:HG22	14	0.11
(1,414)	2:263:B:LEU:HD22	2:190:B:VAL:HG23	14	0.11
(1,414)	2:263:B:LEU:HD23	2:190:B:VAL:HG21	14	0.11
(1,414)	2:263:B:LEU:HD23	2:190:B:VAL:HG22	14	0.11
(1,414)	2:263:B:LEU:HD23	2:190:B:VAL:HG23	14	0.11
(1,413)	2:263:B:LEU:HD11	2:190:B:VAL:HG21	5	0.11
(1,413)	2:263:B:LEU:HD11	2:190:B:VAL:HG22	5	0.11
(1,413)	2:263:B:LEU:HD11	2:190:B:VAL:HG23	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	2:263:B:LEU:HD12	2:190:B:VAL:HG21	5	0.11
(1,413)	2:263:B:LEU:HD12	2:190:B:VAL:HG22	5	0.11
(1,413)	2:263:B:LEU:HD12	2:190:B:VAL:HG23	5	0.11
(1,413)	2:263:B:LEU:HD13	2:190:B:VAL:HG21	5	0.11
(1,413)	2:263:B:LEU:HD13	2:190:B:VAL:HG22	5	0.11
(1,413)	2:263:B:LEU:HD13	2:190:B:VAL:HG23	5	0.11
(1,383)	2:188:B:LYS:HA	2:188:B:LYS:HD3	19	0.11
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD11	7	0.11
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD12	7	0.11
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD13	7	0.11
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD11	7	0.11
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD12	7	0.11
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD13	7	0.11
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD11	7	0.11
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD12	7	0.11
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD13	7	0.11
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD11	10	0.11
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD12	10	0.11
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD13	10	0.11
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD11	10	0.11
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD12	10	0.11
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD13	10	0.11
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD11	10	0.11
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD12	10	0.11
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD13	10	0.11
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD11	18	0.11
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD12	18	0.11
(1,347)	2:186:B:ALA:HB1	2:184:B:LEU:HD13	18	0.11
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD11	18	0.11
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD12	18	0.11
(1,347)	2:186:B:ALA:HB2	2:184:B:LEU:HD13	18	0.11
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD11	18	0.11
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD12	18	0.11
(1,347)	2:186:B:ALA:HB3	2:184:B:LEU:HD13	18	0.11
(1,325)	2:319:B:HIS:HE1	2:179:B:LYS:HE2	16	0.11
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD11	17	0.11
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD12	17	0.11
(1,222)	2:268:B:VAL:HG11	2:160:B:ILE:HD13	17	0.11
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD11	17	0.11
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD12	17	0.11
(1,222)	2:268:B:VAL:HG12	2:160:B:ILE:HD13	17	0.11
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD11	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD12	17	0.11
(1,222)	2:268:B:VAL:HG13	2:160:B:ILE:HD13	17	0.11
(1,194)	2:267:B:PHE:HD1	2:158:B:VAL:HG11	1	0.11
(1,194)	2:267:B:PHE:HD1	2:158:B:VAL:HG12	1	0.11
(1,194)	2:267:B:PHE:HD1	2:158:B:VAL:HG13	1	0.11
(1,194)	2:267:B:PHE:HD2	2:158:B:VAL:HG11	1	0.11
(1,194)	2:267:B:PHE:HD2	2:158:B:VAL:HG12	1	0.11
(1,194)	2:267:B:PHE:HD2	2:158:B:VAL:HG13	1	0.11
(1,192)	2:158:B:VAL:HA	2:158:B:VAL:HG11	1	0.11
(1,192)	2:158:B:VAL:HA	2:158:B:VAL:HG12	1	0.11
(1,192)	2:158:B:VAL:HA	2:158:B:VAL:HG13	1	0.11
(1,192)	2:158:B:VAL:HA	2:158:B:VAL:HG11	6	0.11
(1,192)	2:158:B:VAL:HA	2:158:B:VAL:HG12	6	0.11
(1,192)	2:158:B:VAL:HA	2:158:B:VAL:HG13	6	0.11
(1,177)	2:155:B:GLU:HB3	2:155:B:GLU:HG2	4	0.11
(1,177)	2:155:B:GLU:HB2	2:155:B:GLU:HG3	12	0.11
(1,136)	1:212:A:LEU:HD11	2:279:B:LEU:HD21	4	0.11
(1,136)	1:212:A:LEU:HD11	2:279:B:LEU:HD22	4	0.11
(1,136)	1:212:A:LEU:HD11	2:279:B:LEU:HD23	4	0.11
(1,136)	1:212:A:LEU:HD12	2:279:B:LEU:HD21	4	0.11
(1,136)	1:212:A:LEU:HD12	2:279:B:LEU:HD22	4	0.11
(1,136)	1:212:A:LEU:HD12	2:279:B:LEU:HD23	4	0.11
(1,136)	1:212:A:LEU:HD13	2:279:B:LEU:HD21	4	0.11
(1,136)	1:212:A:LEU:HD13	2:279:B:LEU:HD22	4	0.11
(1,136)	1:212:A:LEU:HD13	2:279:B:LEU:HD23	4	0.11
(1,136)	1:212:A:LEU:HD11	2:279:B:LEU:HD21	16	0.11
(1,136)	1:212:A:LEU:HD11	2:279:B:LEU:HD22	16	0.11
(1,136)	1:212:A:LEU:HD11	2:279:B:LEU:HD23	16	0.11
(1,136)	1:212:A:LEU:HD12	2:279:B:LEU:HD21	16	0.11
(1,136)	1:212:A:LEU:HD12	2:279:B:LEU:HD22	16	0.11
(1,136)	1:212:A:LEU:HD12	2:279:B:LEU:HD23	16	0.11
(1,136)	1:212:A:LEU:HD13	2:279:B:LEU:HD21	16	0.11
(1,136)	1:212:A:LEU:HD13	2:279:B:LEU:HD22	16	0.11
(1,136)	1:212:A:LEU:HD13	2:279:B:LEU:HD23	16	0.11
(1,82)	1:228:A:PRO:HG2	2:268:B:VAL:HG21	9	0.11
(1,82)	1:228:A:PRO:HG2	2:268:B:VAL:HG22	9	0.11
(1,82)	1:228:A:PRO:HG2	2:268:B:VAL:HG23	9	0.11
(1,69)	1:217:A:ALA:HB1	2:266:B:LEU:HD21	11	0.11
(1,69)	1:217:A:ALA:HB1	2:266:B:LEU:HD22	11	0.11
(1,69)	1:217:A:ALA:HB1	2:266:B:LEU:HD23	11	0.11
(1,69)	1:217:A:ALA:HB2	2:266:B:LEU:HD21	11	0.11
(1,69)	1:217:A:ALA:HB2	2:266:B:LEU:HD22	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:217:A:ALA:HB2	2:266:B:LEU:HD23	11	0.11
(1,69)	1:217:A:ALA:HB3	2:266:B:LEU:HD21	11	0.11
(1,69)	1:217:A:ALA:HB3	2:266:B:LEU:HD22	11	0.11
(1,69)	1:217:A:ALA:HB3	2:266:B:LEU:HD23	11	0.11
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG11	8	0.11
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG12	8	0.11
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG13	8	0.11
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG11	8	0.11
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG12	8	0.11
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG13	8	0.11
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG11	8	0.11
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG12	8	0.11
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG13	8	0.11
(1,35)	1:214:A:ILE:HG21	2:223:B:GLU:HG2	9	0.11
(1,35)	1:214:A:ILE:HG22	2:223:B:GLU:HG2	9	0.11
(1,35)	1:214:A:ILE:HG23	2:223:B:GLU:HG2	9	0.11
(1,11)	1:231:A:LEU:HA	2:169:B:VAL:HG21	4	0.11
(1,11)	1:231:A:LEU:HA	2:169:B:VAL:HG22	4	0.11
(1,11)	1:231:A:LEU:HA	2:169:B:VAL:HG23	4	0.11
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD11	16	0.11
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD12	16	0.11
(1,2)	1:225:A:PHE:HE1	2:160:B:ILE:HD13	16	0.11
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD11	16	0.11
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD12	16	0.11
(1,2)	1:225:A:PHE:HE2	2:160:B:ILE:HD13	16	0.11
(3,80)	2:286:B:LEU:O	2:290:B:TYR:N	10	0.1
(3,79)	2:286:B:LEU:O	2:290:B:TYR:H	2	0.1
(3,79)	2:286:B:LEU:O	2:290:B:TYR:H	3	0.1
(3,79)	2:286:B:LEU:O	2:290:B:TYR:H	9	0.1
(3,79)	2:286:B:LEU:O	2:290:B:TYR:H	18	0.1
(3,71)	2:282:B:LYS:O	2:286:B:LEU:H	9	0.1
(3,8)	2:168:B:LEU:O	2:172:B:TRP:N	13	0.1
(2,24)	1:220:A:ARG:HA	1:223:A:THR:H	3	0.1
(2,24)	1:220:A:ARG:HA	1:223:A:THR:H	11	0.1
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD11	4	0.1
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD12	4	0.1
(1,3974)	2:267:B:PHE:HZ	2:263:B:LEU:HD13	4	0.1
(1,3945)	2:242:B:TYR:HE1	2:246:B:LEU:HD21	7	0.1
(1,3945)	2:242:B:TYR:HE1	2:246:B:LEU:HD22	7	0.1
(1,3945)	2:242:B:TYR:HE1	2:246:B:LEU:HD23	7	0.1
(1,3945)	2:242:B:TYR:HE2	2:246:B:LEU:HD21	7	0.1
(1,3945)	2:242:B:TYR:HE2	2:246:B:LEU:HD22	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3945)	2:242:B:TYR:HE2	2:246:B:LEU:HD23	7	0.1
(1,3844)	2:188:B:LYS:HB2	2:305:B:LEU:HD11	20	0.1
(1,3844)	2:188:B:LYS:HB2	2:305:B:LEU:HD12	20	0.1
(1,3844)	2:188:B:LYS:HB2	2:305:B:LEU:HD13	20	0.1
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD21	10	0.1
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD22	10	0.1
(1,3822)	2:284:B:LEU:HD11	2:287:B:LEU:HD23	10	0.1
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD21	10	0.1
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD22	10	0.1
(1,3822)	2:284:B:LEU:HD12	2:287:B:LEU:HD23	10	0.1
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD21	10	0.1
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD22	10	0.1
(1,3822)	2:284:B:LEU:HD13	2:287:B:LEU:HD23	10	0.1
(1,3760)	2:250:B:PRO:HA	2:246:B:LEU:HD21	17	0.1
(1,3760)	2:250:B:PRO:HA	2:246:B:LEU:HD22	17	0.1
(1,3760)	2:250:B:PRO:HA	2:246:B:LEU:HD23	17	0.1
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD21	3	0.1
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD22	3	0.1
(1,3739)	2:265:B:ARG:HB2	2:234:B:LEU:HD23	3	0.1
(1,3729)	2:227:B:VAL:HA	2:227:B:VAL:HG21	13	0.1
(1,3729)	2:227:B:VAL:HA	2:227:B:VAL:HG22	13	0.1
(1,3729)	2:227:B:VAL:HA	2:227:B:VAL:HG23	13	0.1
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG21	10	0.1
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG22	10	0.1
(1,3714)	2:202:B:LYS:HG2	2:214:B:VAL:HG23	10	0.1
(1,3675)	2:187:B:LYS:HG2	2:187:B:LYS:HD2	20	0.1
(1,3632)	2:157:B:LYS:HD3	2:157:B:LYS:HE3	13	0.1
(1,3628)	2:236:B:LYS:HA	2:236:B:LYS:HB3	19	0.1
(1,3555)	1:234:A:THR:HA	1:234:A:THR:HG21	20	0.1
(1,3555)	1:234:A:THR:HA	1:234:A:THR:HG22	20	0.1
(1,3555)	1:234:A:THR:HA	1:234:A:THR:HG23	20	0.1
(1,3553)	1:234:A:THR:HB	1:234:A:THR:HA	4	0.1
(1,3501)	1:231:A:LEU:HG	1:230:A:GLU:HG3	12	0.1
(1,3449)	1:227:A:LEU:HA	1:227:A:LEU:HD11	8	0.1
(1,3449)	1:227:A:LEU:HA	1:227:A:LEU:HD12	8	0.1
(1,3449)	1:227:A:LEU:HA	1:227:A:LEU:HD13	8	0.1
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD11	7	0.1
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD12	7	0.1
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD13	7	0.1
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD11	16	0.1
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD12	16	0.1
(1,3251)	1:218:A:MET:HG2	1:214:A:ILE:HD13	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD21	8	0.1
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD22	8	0.1
(1,3218)	1:209:A:PRO:HA	1:212:A:LEU:HD23	8	0.1
(1,3024)	1:220:A:ARG:HB3	1:220:A:ARG:HD2	15	0.1
(1,3006)	1:207:A:ARG:HG2	1:207:A:ARG:HD3	9	0.1
(1,2998)	1:220:A:ARG:HA	1:220:A:ARG:HG2	16	0.1
(1,2998)	1:220:A:ARG:HA	1:220:A:ARG:HG2	20	0.1
(1,2939)	1:227:A:LEU:HB3	1:227:A:LEU:H	13	0.1
(1,2647)	2:307:B:SER:HB3	2:309:B:SER:H	12	0.1
(1,2546)	2:295:B:LEU:HG	2:295:B:LEU:H	7	0.1
(1,2481)	2:288:B:LEU:HG	2:288:B:LEU:H	16	0.1
(1,2179)	2:246:B:LEU:HD21	2:247:B:ALA:H	15	0.1
(1,2179)	2:246:B:LEU:HD22	2:247:B:ALA:H	15	0.1
(1,2179)	2:246:B:LEU:HD23	2:247:B:ALA:H	15	0.1
(1,2088)	2:229:B:LEU:HD21	2:234:B:LEU:H	18	0.1
(1,2088)	2:229:B:LEU:HD22	2:234:B:LEU:H	18	0.1
(1,2088)	2:229:B:LEU:HD23	2:234:B:LEU:H	18	0.1
(1,1894)	2:202:B:LYS:HA	2:203:B:SER:H	3	0.1
(1,1753)	2:184:B:LEU:HD11	2:186:B:ALA:H	11	0.1
(1,1753)	2:184:B:LEU:HD12	2:186:B:ALA:H	11	0.1
(1,1753)	2:184:B:LEU:HD13	2:186:B:ALA:H	11	0.1
(1,1495)	2:294:B:PHE:HD1	2:294:B:PHE:HA	4	0.1
(1,1495)	2:294:B:PHE:HD2	2:294:B:PHE:HA	4	0.1
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD11	20	0.1
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD12	20	0.1
(1,1396)	2:212:B:TYR:HE1	2:286:B:LEU:HD13	20	0.1
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD11	20	0.1
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD12	20	0.1
(1,1396)	2:212:B:TYR:HE2	2:286:B:LEU:HD13	20	0.1
(1,1252)	2:277:B:THR:HB	1:212:A:LEU:HD21	15	0.1
(1,1252)	2:277:B:THR:HB	1:212:A:LEU:HD22	15	0.1
(1,1252)	2:277:B:THR:HB	1:212:A:LEU:HD23	15	0.1
(1,1233)	2:279:B:LEU:HD21	1:209:A:PRO:HB3	9	0.1
(1,1233)	2:279:B:LEU:HD22	1:209:A:PRO:HB3	9	0.1
(1,1233)	2:279:B:LEU:HD23	1:209:A:PRO:HB3	9	0.1
(1,1218)	2:290:B:TYR:HE1	1:206:A:LEU:HD11	11	0.1
(1,1218)	2:290:B:TYR:HE1	1:206:A:LEU:HD12	11	0.1
(1,1218)	2:290:B:TYR:HE1	1:206:A:LEU:HD13	11	0.1
(1,1218)	2:290:B:TYR:HE2	1:206:A:LEU:HD11	11	0.1
(1,1218)	2:290:B:TYR:HE2	1:206:A:LEU:HD12	11	0.1
(1,1218)	2:290:B:TYR:HE2	1:206:A:LEU:HD13	11	0.1
(1,1210)	2:286:B:LEU:HD21	1:203:A:GLN:HG3	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	2:286:B:LEU:HD22	1:203:A:GLN:HG3	14	0.1
(1,1210)	2:286:B:LEU:HD23	1:203:A:GLN:HG3	14	0.1
(1,1159)	2:237:B:PHE:HA	2:322:B:ALA:HB1	8	0.1
(1,1159)	2:237:B:PHE:HA	2:322:B:ALA:HB2	8	0.1
(1,1159)	2:237:B:PHE:HA	2:322:B:ALA:HB3	8	0.1
(1,1156)	2:321:B:LYS:HG3	2:321:B:LYS:HD3	2	0.1
(1,1143)	2:320:B:ARG:HB2	2:320:B:ARG:HD2	2	0.1
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE1	9	0.1
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE2	9	0.1
(1,859)	2:273:B:MET:HB2	2:273:B:MET:HE3	9	0.1
(1,743)	2:246:B:LEU:HD21	2:254:B:MET:HE1	1	0.1
(1,743)	2:246:B:LEU:HD21	2:254:B:MET:HE2	1	0.1
(1,743)	2:246:B:LEU:HD21	2:254:B:MET:HE3	1	0.1
(1,743)	2:246:B:LEU:HD22	2:254:B:MET:HE1	1	0.1
(1,743)	2:246:B:LEU:HD22	2:254:B:MET:HE2	1	0.1
(1,743)	2:246:B:LEU:HD22	2:254:B:MET:HE3	1	0.1
(1,743)	2:246:B:LEU:HD23	2:254:B:MET:HE1	1	0.1
(1,743)	2:246:B:LEU:HD23	2:254:B:MET:HE2	1	0.1
(1,743)	2:246:B:LEU:HD23	2:254:B:MET:HE3	1	0.1
(1,694)	2:242:B:TYR:HE1	2:246:B:LEU:HD11	3	0.1
(1,694)	2:242:B:TYR:HE1	2:246:B:LEU:HD12	3	0.1
(1,694)	2:242:B:TYR:HE1	2:246:B:LEU:HD13	3	0.1
(1,694)	2:242:B:TYR:HE2	2:246:B:LEU:HD11	3	0.1
(1,694)	2:242:B:TYR:HE2	2:246:B:LEU:HD12	3	0.1
(1,694)	2:242:B:TYR:HE2	2:246:B:LEU:HD13	3	0.1
(1,675)	2:257:B:VAL:HG11	2:245:B:ILE:HD11	11	0.1
(1,675)	2:257:B:VAL:HG11	2:245:B:ILE:HD12	11	0.1
(1,675)	2:257:B:VAL:HG11	2:245:B:ILE:HD13	11	0.1
(1,675)	2:257:B:VAL:HG12	2:245:B:ILE:HD11	11	0.1
(1,675)	2:257:B:VAL:HG12	2:245:B:ILE:HD12	11	0.1
(1,675)	2:257:B:VAL:HG12	2:245:B:ILE:HD13	11	0.1
(1,675)	2:257:B:VAL:HG13	2:245:B:ILE:HD11	11	0.1
(1,675)	2:257:B:VAL:HG13	2:245:B:ILE:HD12	11	0.1
(1,675)	2:257:B:VAL:HG13	2:245:B:ILE:HD13	11	0.1
(1,353)	2:245:B:ILE:HG13	2:184:B:LEU:HD21	11	0.1
(1,353)	2:245:B:ILE:HG13	2:184:B:LEU:HD22	11	0.1
(1,353)	2:245:B:ILE:HG13	2:184:B:LEU:HD23	11	0.1
(1,327)	2:181:B:LEU:HD21	2:181:B:LEU:HA	5	0.1
(1,327)	2:181:B:LEU:HD22	2:181:B:LEU:HA	5	0.1
(1,327)	2:181:B:LEU:HD23	2:181:B:LEU:HA	5	0.1
(1,327)	2:181:B:LEU:HD21	2:181:B:LEU:HA	10	0.1
(1,327)	2:181:B:LEU:HD22	2:181:B:LEU:HA	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,327)	2:181:B:LEU:HD23	2:181:B:LEU:HA	10	0.1
(1,177)	2:155:B:GLU:HB3	2:155:B:GLU:HG2	3	0.1
(1,176)	2:155:B:GLU:HA	2:155:B:GLU:HG2	8	0.1
(1,136)	1:212:A:LEU:HD11	2:279:B:LEU:HD21	11	0.1
(1,136)	1:212:A:LEU:HD11	2:279:B:LEU:HD22	11	0.1
(1,136)	1:212:A:LEU:HD11	2:279:B:LEU:HD23	11	0.1
(1,136)	1:212:A:LEU:HD12	2:279:B:LEU:HD21	11	0.1
(1,136)	1:212:A:LEU:HD12	2:279:B:LEU:HD22	11	0.1
(1,136)	1:212:A:LEU:HD12	2:279:B:LEU:HD23	11	0.1
(1,136)	1:212:A:LEU:HD13	2:279:B:LEU:HD21	11	0.1
(1,136)	1:212:A:LEU:HD13	2:279:B:LEU:HD22	11	0.1
(1,136)	1:212:A:LEU:HD13	2:279:B:LEU:HD23	11	0.1
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG11	20	0.1
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG12	20	0.1
(1,43)	1:217:A:ALA:HB1	2:227:B:VAL:HG13	20	0.1
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG11	20	0.1
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG12	20	0.1
(1,43)	1:217:A:ALA:HB2	2:227:B:VAL:HG13	20	0.1
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG11	20	0.1
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG12	20	0.1
(1,43)	1:217:A:ALA:HB3	2:227:B:VAL:HG13	20	0.1

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

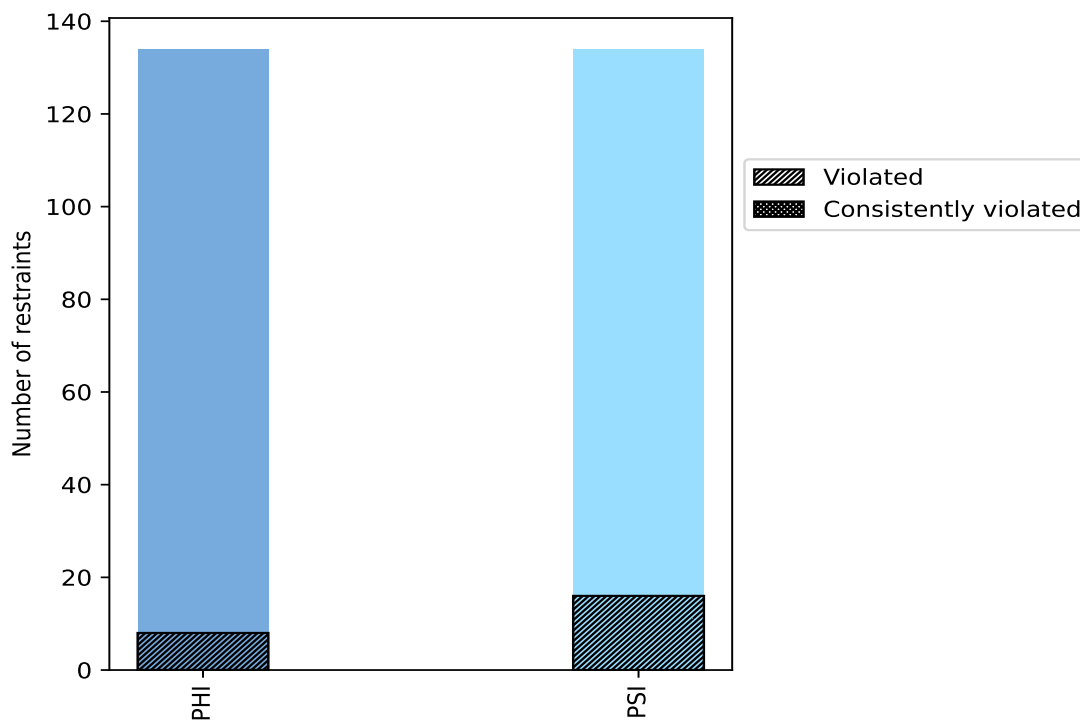
### 10.1 Summary of dihedral-angle violations [i](#)

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>
PHI	134	50.0	8	6.0	3.0	0	0.0	0.0
PSI	134	50.0	16	11.9	6.0	0	0.0	0.0
Total	268	100.0	24	9.0	9.0	0	0.0	0.0

<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](#)



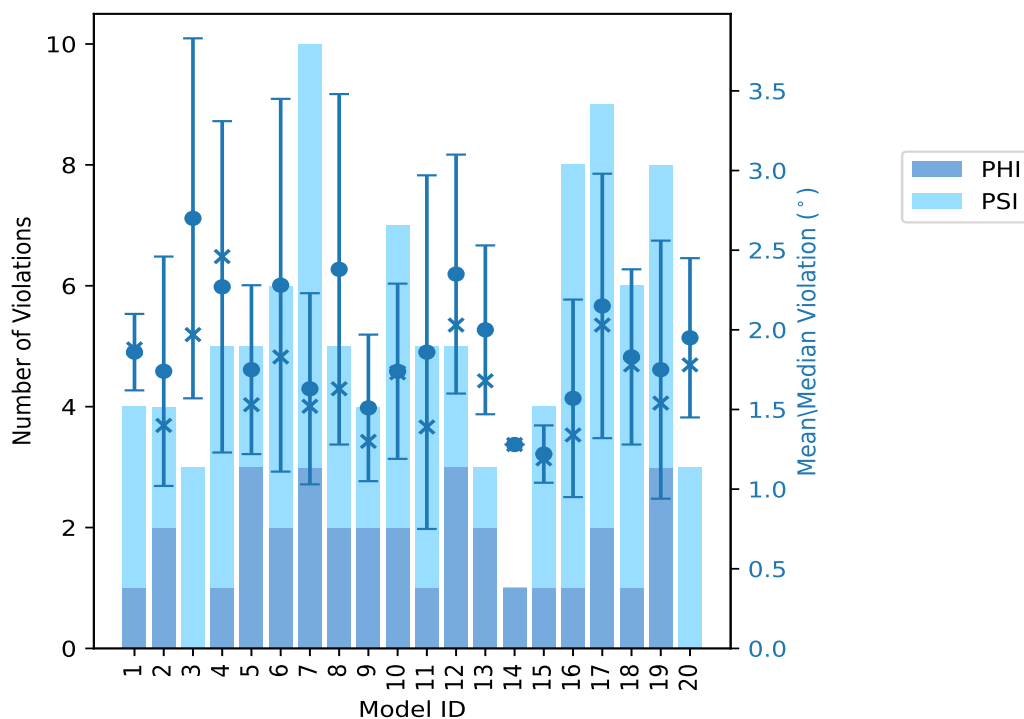
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	1	3	4	1.86	2.16	0.24	1.88
2	2	2	4	1.74	2.97	0.72	1.4
3	0	3	3	2.7	4.29	1.13	1.97
4	1	4	5	2.27	3.96	1.04	2.46
5	3	2	5	1.75	2.63	0.53	1.53
6	2	4	6	2.28	4.2	1.17	1.83
7	3	7	10	1.63	2.97	0.6	1.52
8	2	3	5	2.38	4.2	1.1	1.63
9	2	2	4	1.51	2.29	0.46	1.3
10	2	5	7	1.74	2.5	0.55	1.73
11	1	4	5	1.86	4.05	1.11	1.39
12	3	2	5	2.35	3.38	0.75	2.03
13	2	1	3	2.0	2.74	0.53	1.68
14	1	0	1	1.28	1.28	0.0	1.28
15	1	3	4	1.22	1.5	0.18	1.19
16	1	7	8	1.57	3.03	0.62	1.34
17	2	7	9	2.15	3.92	0.83	2.03
18	1	5	6	1.83	2.51	0.55	1.78
19	3	5	8	1.75	3.78	0.81	1.54
20	0	3	3	1.95	2.63	0.5	1.78

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



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

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

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

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count <sup>1</sup>	%
4	3	7	1	5.0
1	4	5	2	10.0
0	2	2	3	15.0
1	2	3	4	20.0
0	1	1	5	25.0
0	2	2	6	30.0
0	0	0	7	35.0
0	0	0	8	40.0
0	0	0	9	45.0
0	0	0	10	50.0
1	1	2	11	55.0

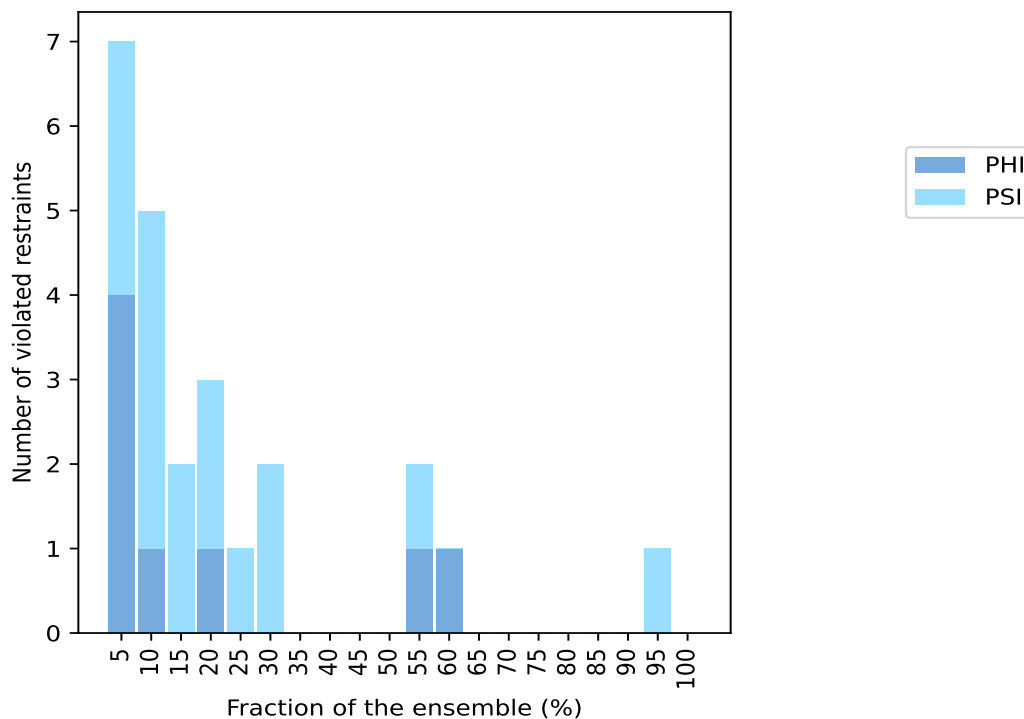
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Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count <sup>1</sup>	%
1	0	1	12	60.0
0	0	0	13	65.0
0	0	0	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	0	0	17	85.0
0	0	0	18	90.0
0	1	1	19	95.0
0	0	0	20	100.0

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

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

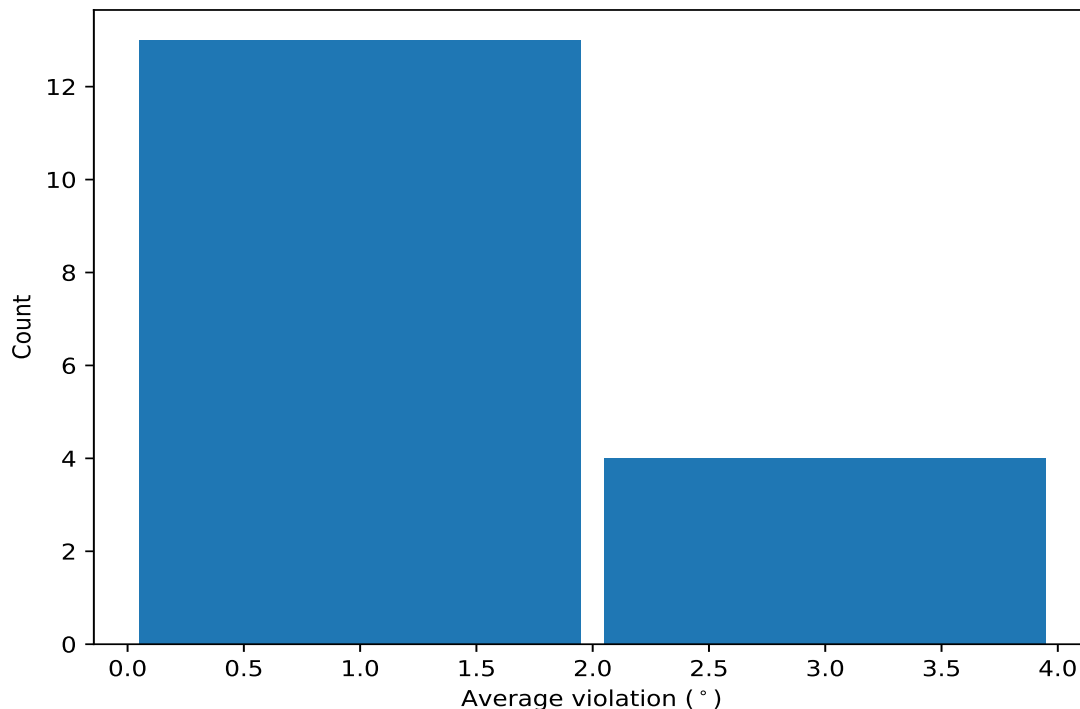


## 10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

### 10.4.1 Histogram : Distribution of mean dihedral-angle violations [i](#)

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

in the ensemble



#### 10.4.2 Table: Most violated dihedral-angle restraints [i](#)

The following table provides the mean and the standard deviation of the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models <sup>1</sup>	Mean	SD <sup>2</sup>	Median
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	19	2.88	0.95	2.74
(1,77)	2:261:B:PRO:C	2:262:B:HIS:N	2:262:B:HIS:CA	2:262:B:HIS:C	12	1.62	0.49	1.49
(1,237)	1:205:A:GLN:C	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	11	2.02	0.67	2.03
(1,200)	2:267:B:PHE:N	2:267:B:PHE:CA	2:267:B:PHE:C	2:268:B:VAL:N	11	1.54	0.26	1.51
(1,253)	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	1:207:A:ARG:N	6	2.19	0.93	2.12
(1,198)	2:265:B:ARG:N	2:265:B:ARG:CA	2:265:B:ARG:C	2:266:B:LEU:N	6	1.84	0.78	1.7
(1,175)	2:236:B:LYS:N	2:236:B:LYS:CA	2:236:B:LYS:C	2:237:B:PHE:N	5	1.33	0.29	1.23
(1,155)	2:210:B:LYS:N	2:210:B:LYS:CA	2:210:B:LYS:C	2:211:B:GLU:N	4	1.78	0.22	1.69
(1,132)	2:177:B:ARG:N	2:177:B:ARG:CA	2:177:B:ARG:C	2:178:B:GLN:N	4	1.77	0.55	1.59
(1,37)	2:209:B:ASN:C	2:210:B:LYS:N	2:210:B:LYS:CA	2:210:B:LYS:C	4	1.51	0.06	1.5
(1,174)	2:229:B:LEU:N	2:229:B:LEU:CA	2:229:B:LEU:C	2:230:B:GLY:N	3	1.85	1.17	1.05
(1,201)	2:268:B:VAL:N	2:268:B:VAL:CA	2:268:B:VAL:C	2:269:B:ARG:N	3	1.53	0.32	1.38
(1,236)	2:319:B:HIS:N	2:319:B:HIS:CA	2:319:B:HIS:C	2:320:B:ARG:N	2	2.48	0.08	2.48
(1,120)	2:162:B:GLU:N	2:162:B:GLU:CA	2:162:B:GLU:C	2:163:B:GLU:N	2	1.4	0.16	1.4
(1,131)	2:176:B:THR:N	2:176:B:THR:CA	2:176:B:THR:C	2:177:B:ARG:N	2	1.32	0.31	1.32
(1,235)	2:318:B:TYR:N	2:318:B:TYR:CA	2:318:B:TYR:C	2:319:B:HIS:N	2	1.32	0.32	1.32
(1,85)	2:271:B:GLY:C	2:272:B:ALA:N	2:272:B:ALA:CA	2:272:B:ALA:C	2	1.08	0.07	1.08

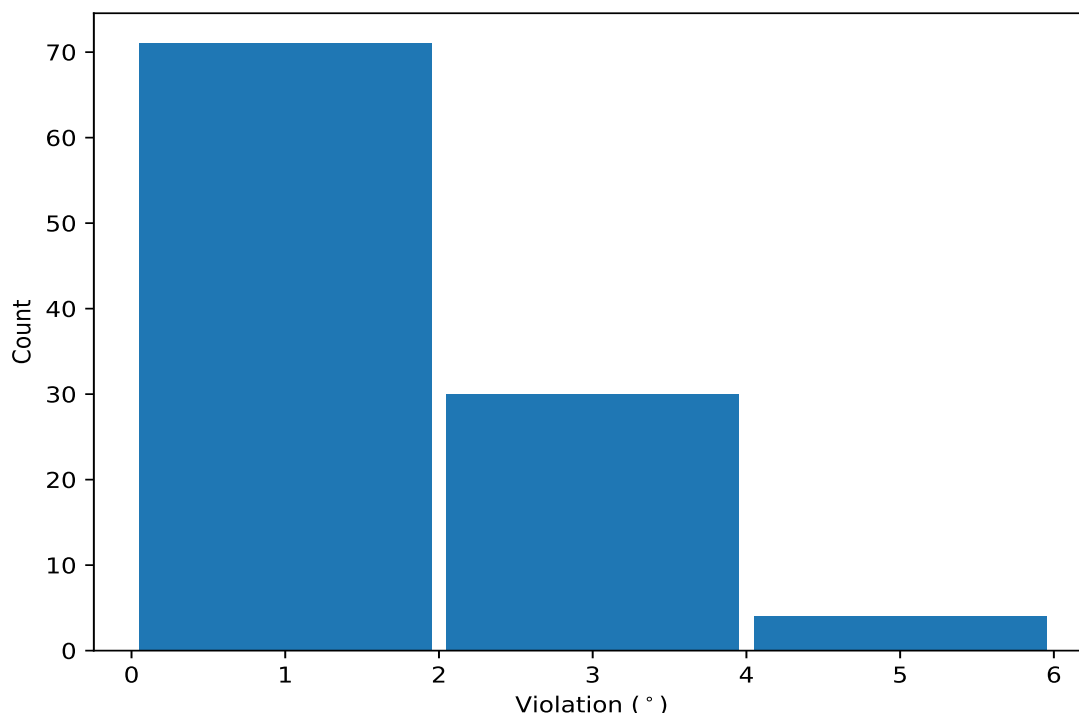
<sup>1</sup> Number of violated models, <sup>2</sup>Standard deviation, All angle values are in degree (°)



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

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

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



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

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	3	4.29
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	6	4.2
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	8	4.2
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	11	4.05
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	4	3.96
(1,253)	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	1:207:A:ARG:N	17	3.92
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	19	3.78
(1,174)	2:229:B:LEU:N	2:229:B:LEU:CA	2:229:B:LEU:C	2:230:B:GLY:N	6	3.51
(1,198)	2:265:B:ARG:N	2:265:B:ARG:CA	2:265:B:ARG:C	2:266:B:LEU:N	12	3.38
(1,237)	1:205:A:GLN:C	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	8	3.12
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	12	3.07
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	16	3.03
(1,237)	1:205:A:GLN:C	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	7	2.97
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	2	2.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,77)	2:261:B:PRO:C	2:262:B:HIS:N	2:262:B:HIS:CA	2:262:B:HIS:C	17	2.83
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	13	2.74
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	5	2.63
(1,132)	2:177:B:ARG:N	2:177:B:ARG:CA	2:177:B:ARG:C	2:178:B:GLN:N	20	2.63
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	17	2.61
(1,236)	2:319:B:HIS:N	2:319:B:HIS:CA	2:319:B:HIS:C	2:320:B:ARG:N	4	2.56
(1,237)	1:205:A:GLN:C	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	18	2.51
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	10	2.5
(1,253)	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	1:207:A:ARG:N	18	2.47
(1,253)	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	1:207:A:ARG:N	4	2.46
(1,237)	1:205:A:GLN:C	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	10	2.4
(1,236)	2:319:B:HIS:N	2:319:B:HIS:CA	2:319:B:HIS:C	2:320:B:ARG:N	7	2.4
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	9	2.29
(1,237)	1:205:A:GLN:C	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	1	2.16
(1,155)	2:210:B:LYS:N	2:210:B:LYS:CA	2:210:B:LYS:C	2:211:B:GLU:N	17	2.14
(1,77)	2:261:B:PRO:C	2:262:B:HIS:N	2:262:B:HIS:CA	2:262:B:HIS:C	6	2.1
(1,200)	2:267:B:PHE:N	2:267:B:PHE:CA	2:267:B:PHE:C	2:268:B:VAL:N	10	2.08
(1,237)	1:205:A:GLN:C	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	12	2.03
(1,198)	2:265:B:ARG:N	2:265:B:ARG:CA	2:265:B:ARG:C	2:266:B:LEU:N	17	2.03
(1,77)	2:261:B:PRO:C	2:262:B:HIS:N	2:262:B:HIS:CA	2:262:B:HIS:C	5	2.01
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	18	1.99
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	1	1.98
(1,201)	2:268:B:VAL:N	2:268:B:VAL:CA	2:268:B:VAL:C	2:269:B:ARG:N	16	1.97
(1,198)	2:265:B:ARG:N	2:265:B:ARG:CA	2:265:B:ARG:C	2:266:B:LEU:N	3	1.97
(1,237)	1:205:A:GLN:C	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	19	1.92
(1,132)	2:177:B:ARG:N	2:177:B:ARG:CA	2:177:B:ARG:C	2:178:B:GLN:N	17	1.87
(1,77)	2:261:B:PRO:C	2:262:B:HIS:N	2:262:B:HIS:CA	2:262:B:HIS:C	12	1.85
(1,200)	2:267:B:PHE:N	2:267:B:PHE:CA	2:267:B:PHE:C	2:268:B:VAL:N	3	1.84
(1,175)	2:236:B:LYS:N	2:236:B:LYS:CA	2:236:B:LYS:C	2:237:B:PHE:N	7	1.84
(1,253)	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	1:207:A:ARG:N	1	1.78
(1,200)	2:267:B:PHE:N	2:267:B:PHE:CA	2:267:B:PHE:C	2:268:B:VAL:N	20	1.78
(1,155)	2:210:B:LYS:N	2:210:B:LYS:CA	2:210:B:LYS:C	2:211:B:GLU:N	10	1.73
(1,77)	2:261:B:PRO:C	2:262:B:HIS:N	2:262:B:HIS:CA	2:262:B:HIS:C	13	1.68
(1,155)	2:210:B:LYS:N	2:210:B:LYS:CA	2:210:B:LYS:C	2:211:B:GLU:N	11	1.65
(1,235)	2:318:B:TYR:N	2:318:B:TYR:CA	2:318:B:TYR:C	2:319:B:HIS:N	19	1.64
(1,131)	2:176:B:THR:N	2:176:B:THR:CA	2:176:B:THR:C	2:177:B:ARG:N	8	1.63
(1,237)	1:205:A:GLN:C	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	17	1.62
(1,37)	2:209:B:ASN:C	2:210:B:LYS:N	2:210:B:LYS:CA	2:210:B:LYS:C	19	1.6
(1,77)	2:261:B:PRO:C	2:262:B:HIS:N	2:262:B:HIS:CA	2:262:B:HIS:C	7	1.59
(1,155)	2:210:B:LYS:N	2:210:B:LYS:CA	2:210:B:LYS:C	2:211:B:GLU:N	18	1.58
(1,13)	2:175:B:ILE:C	2:176:B:THR:N	2:176:B:THR:CA	2:176:B:THR:C	13	1.57
(1,120)	2:162:B:GLU:N	2:162:B:GLU:CA	2:162:B:GLU:C	2:163:B:GLU:N	7	1.56
(1,200)	2:267:B:PHE:N	2:267:B:PHE:CA	2:267:B:PHE:C	2:268:B:VAL:N	6	1.55
(1,253)	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	1:207:A:ARG:N	5	1.53
(1,200)	2:267:B:PHE:N	2:267:B:PHE:CA	2:267:B:PHE:C	2:268:B:VAL:N	16	1.53
(1,200)	2:267:B:PHE:N	2:267:B:PHE:CA	2:267:B:PHE:C	2:268:B:VAL:N	1	1.51
(1,37)	2:209:B:ASN:C	2:210:B:LYS:N	2:210:B:LYS:CA	2:210:B:LYS:C	8	1.51
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	15	1.5
(1,200)	2:267:B:PHE:N	2:267:B:PHE:CA	2:267:B:PHE:C	2:268:B:VAL:N	19	1.49
(1,37)	2:209:B:ASN:C	2:210:B:LYS:N	2:210:B:LYS:CA	2:210:B:LYS:C	2	1.49
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	7	1.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,138)	2:185:B:PRO:N	2:185:B:PRO:CA	2:185:B:PRO:C	2:186:B:ALA:N	20	1.44
(1,37)	2:209:B:ASN:C	2:210:B:LYS:N	2:210:B:LYS:CA	2:210:B:LYS:C	5	1.44
(1,198)	2:265:B:ARG:N	2:265:B:ARG:CA	2:265:B:ARG:C	2:266:B:LEU:N	18	1.43
(1,175)	2:236:B:LYS:N	2:236:B:LYS:CA	2:236:B:LYS:C	2:237:B:PHE:N	8	1.42
(1,39)	2:211:B:GLU:C	2:212:B:TYR:N	2:212:B:TYR:CA	2:212:B:TYR:C	12	1.42
(1,77)	2:261:B:PRO:C	2:262:B:HIS:N	2:262:B:HIS:CA	2:262:B:HIS:C	11	1.39
(1,201)	2:268:B:VAL:N	2:268:B:VAL:CA	2:268:B:VAL:C	2:269:B:ARG:N	4	1.38
(1,200)	2:267:B:PHE:N	2:267:B:PHE:CA	2:267:B:PHE:C	2:268:B:VAL:N	7	1.37
(1,237)	1:205:A:GLN:C	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	16	1.36
(1,136)	2:182:B:PHE:N	2:182:B:PHE:CA	2:182:B:PHE:C	2:183:B:TYR:N	19	1.35
(1,200)	2:267:B:PHE:N	2:267:B:PHE:CA	2:267:B:PHE:C	2:268:B:VAL:N	9	1.34
(1,132)	2:177:B:ARG:N	2:177:B:ARG:CA	2:177:B:ARG:C	2:178:B:GLN:N	16	1.31
(1,77)	2:261:B:PRO:C	2:262:B:HIS:N	2:262:B:HIS:CA	2:262:B:HIS:C	2	1.3
(1,192)	2:255:B:SER:N	2:255:B:SER:CA	2:255:B:SER:C	2:256:B:GLN:N	6	1.29
(1,77)	2:261:B:PRO:C	2:262:B:HIS:N	2:262:B:HIS:CA	2:262:B:HIS:C	14	1.28
(1,132)	2:177:B:ARG:N	2:177:B:ARG:CA	2:177:B:ARG:C	2:178:B:GLN:N	10	1.27
(1,198)	2:265:B:ARG:N	2:265:B:ARG:CA	2:265:B:ARG:C	2:266:B:LEU:N	16	1.26
(1,77)	2:261:B:PRO:C	2:262:B:HIS:N	2:262:B:HIS:CA	2:262:B:HIS:C	9	1.26
(1,120)	2:162:B:GLU:N	2:162:B:GLU:CA	2:162:B:GLU:C	2:163:B:GLU:N	17	1.25
(1,201)	2:268:B:VAL:N	2:268:B:VAL:CA	2:268:B:VAL:C	2:269:B:ARG:N	19	1.23
(1,200)	2:267:B:PHE:N	2:267:B:PHE:CA	2:267:B:PHE:C	2:268:B:VAL:N	11	1.23
(1,175)	2:236:B:LYS:N	2:236:B:LYS:CA	2:236:B:LYS:C	2:237:B:PHE:N	15	1.23
(1,200)	2:267:B:PHE:N	2:267:B:PHE:CA	2:267:B:PHE:C	2:268:B:VAL:N	2	1.21
(1,85)	2:271:B:GLY:C	2:272:B:ALA:N	2:272:B:ALA:CA	2:272:B:ALA:C	15	1.15
(1,77)	2:261:B:PRO:C	2:262:B:HIS:N	2:262:B:HIS:CA	2:262:B:HIS:C	10	1.14
(1,36)	2:201:B:ARG:C	2:202:B:LYS:N	2:202:B:LYS:CA	2:202:B:LYS:C	9	1.14
(1,237)	1:205:A:GLN:C	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	5	1.12
(1,195)	2:262:B:HIS:N	2:262:B:HIS:CA	2:262:B:HIS:C	2:263:B:LEU:N	10	1.09
(1,14)	2:176:B:THR:C	2:177:B:ARG:N	2:177:B:ARG:CA	2:177:B:ARG:C	7	1.09
(1,175)	2:236:B:LYS:N	2:236:B:LYS:CA	2:236:B:LYS:C	2:237:B:PHE:N	17	1.08
(1,175)	2:236:B:LYS:N	2:236:B:LYS:CA	2:236:B:LYS:C	2:237:B:PHE:N	16	1.06
(1,237)	1:205:A:GLN:C	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	6	1.05
(1,174)	2:229:B:LEU:N	2:229:B:LEU:CA	2:229:B:LEU:C	2:230:B:GLY:N	16	1.05
(1,131)	2:176:B:THR:N	2:176:B:THR:CA	2:176:B:THR:C	2:177:B:ARG:N	18	1.01
(1,77)	2:261:B:PRO:C	2:262:B:HIS:N	2:262:B:HIS:CA	2:262:B:HIS:C	19	1.01
(1,253)	1:206:A:LEU:N	1:206:A:LEU:CA	1:206:A:LEU:C	1:207:A:ARG:N	11	1.0
(1,235)	2:318:B:TYR:N	2:318:B:TYR:CA	2:318:B:TYR:C	2:319:B:HIS:N	7	1.0
(1,198)	2:265:B:ARG:N	2:265:B:ARG:CA	2:265:B:ARG:C	2:266:B:LEU:N	7	1.0
(1,174)	2:229:B:LEU:N	2:229:B:LEU:CA	2:229:B:LEU:C	2:230:B:GLY:N	15	1.0
(1,85)	2:271:B:GLY:C	2:272:B:ALA:N	2:272:B:ALA:CA	2:272:B:ALA:C	4	1.0