Full wwPDB NMR Structure Validation Report (i)

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PDB ID	:	6NZN
BMRB ID	:	30572
Title	:	Dimer-of-dimer amyloid fibril structure of glucagon
Authors	:	Gelenter, M.D.; Smith, K.J.; Liao, S.Y.; Mandala, V.S.; Dregni, A.J.; Lamm, M.S.; Tian, Y.; Wei, X.; Pochan, D.J.; Tucker, T.J.; Su, Y.; Hong, M.
Deposited on	:	2019-02-14

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

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/NMRValidationReportHelp
with specific help available everywhere you see the (i) symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

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

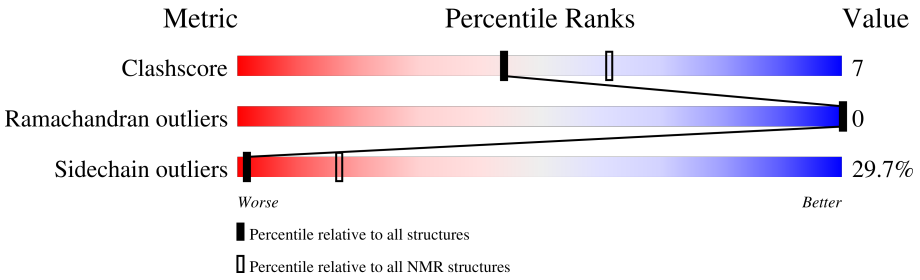
MolProbity	:	4.02b-467
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.33

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
SOLID-STATE NMR

The overall completeness of chemical shifts assignment is 6%.

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



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	158937	12864
Ramachandran outliers	154571	11451
Sidechain outliers	154315	11428

The table below summarises the geometric issues observed across the polymeric chains and their fit to the experimental data. The red, orange, yellow and green segments indicate the fraction of residues that contain outliers for >=3, 2, 1 and 0 types of geometric quality criteria. A cyan segment indicates the fraction of residues that are not part of the well-defined cores, and a grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions <=5%

Mol	Chain	Length	Quality of chain
1	A	29	55% 31% 14%
1	B	29	86% 14%
1	C	29	72% 28%
1	D	29	76% 24%
1	E	29	69% 31%
1	F	29	76% 24%
1	G	29	62% 38%
1	H	29	69% 31%
1	I	29	69% 28% .

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Mol	Chain	Length	Quality of chain
1	J	29	69% 28%
1	K	29	66% 31%
1	L	29	69% 24% 7%
1	M	29	62% 34%
1	N	29	62% 34%
1	O	29	69% 28%
1	P	29	79% 17%

2 Ensemble composition and analysis (i)

This entry contains 10 models. Model 1 is the overall representative, medoid model (most similar to other models).

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:5-A:29, B:1-B:29, C:1-C:29, D:1-D:29, E:1-E:29, F:1-F:29, G:1-G:29, H:1-H:29, I:101-I:129, J:101-J:129, K:101-K:129, L:101-L:129, M:101-M:129, N:101-N:129, O:101-O:129, P:101-P:129 (460)	0.83	1

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

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

The models can be grouped into 2 clusters and 1 single-model cluster was found.

Cluster number	Models
1	1, 2, 3, 5, 6, 8, 9
2	7, 10
Single-model clusters	4

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 7488 atoms, of which 3568 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Glucagon.

Mol	Chain	Residues	Atoms						Trace
1	A	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	B	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	C	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	D	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	E	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	F	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	G	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	H	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	I	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	J	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	K	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	L	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	M	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	N	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	O	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	
1	P	29	Total	C	H	N	O	S	0
			468	153	223	43	48	1	

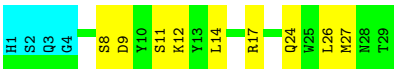
4 Residue-property plots

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: Glucagon

Chain A:

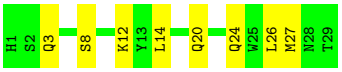


• Molecule 1: Glucagon

Chain B:

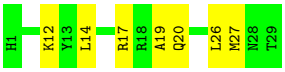
• Molecule 1: Glucagon

Chain C:



• Molecule 1: Glucagon

Chain D:

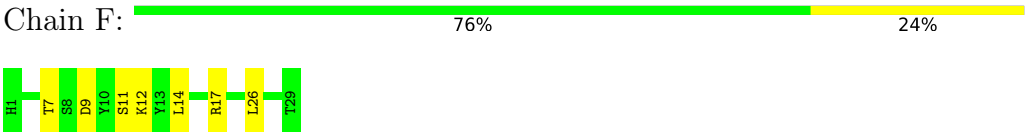


• Molecule 1: Glucagon

Chain E:

• Molecule 1: Glucagon

Chain F:

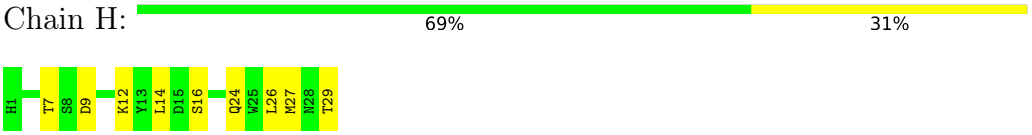


• Molecule 1: Glucagon

Chain G:

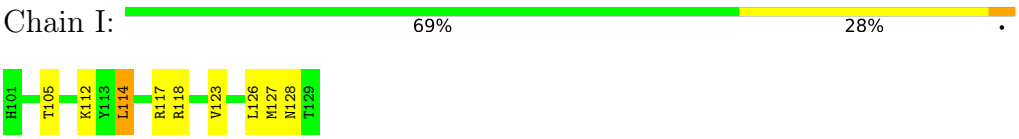
• Molecule 1: Glucagon

Chain H:



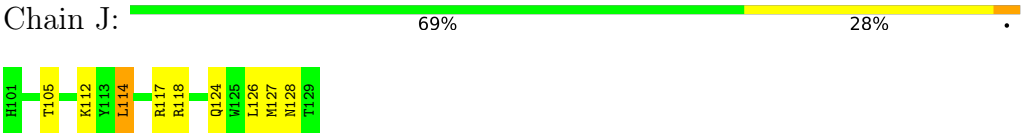
• Molecule 1: Glucagon

Chain I:



• Molecule 1: Glucagon

Chain J:

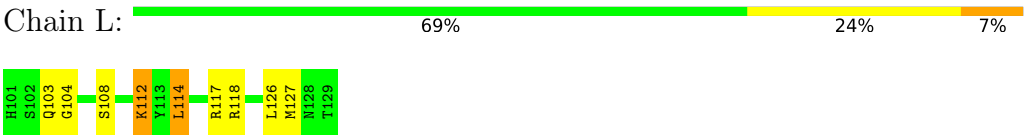


• Molecule 1: Glucagon

Chain K:

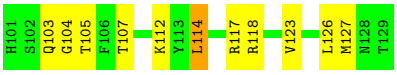
• Molecule 1: Glucagon

Chain L:



• Molecule 1: Glucagon

Chain M:



• Molecule 1: Glucagon

Chain N:

• Molecule 1: Glucagon

Chain O:

• Molecule 1: Glucagon

Chain P:

4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

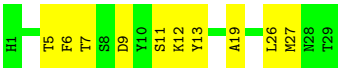
4.2.1 Score per residue for model 1 (medoid)

• Molecule 1: Glucagon

Chain A:

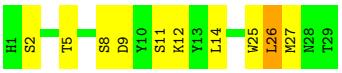
• Molecule 1: Glucagon

Chain B:



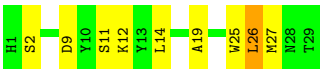
• Molecule 1: Glucagon

Chain C:



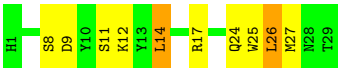
• Molecule 1: Glucagon

Chain D:



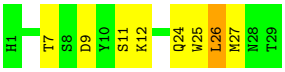
• Molecule 1: Glucagon

Chain E:



• Molecule 1: Glucagon

Chain F:



• Molecule 1: Glucagon

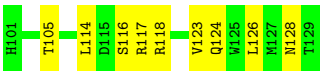
Chain G:

• Molecule 1: Glucagon

Chain H:

• Molecule 1: Glucagon

Chain I:



• Molecule 1: Glucagon

Chain J:

• Molecule 1: Glucagon

Chain K:

• Molecule 1: Glucagon

Chain L:

• Molecule 1: Glucagon

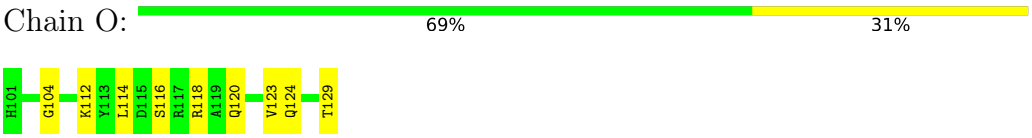
Chain M:

• Molecule 1: Glucagon

Chain N:

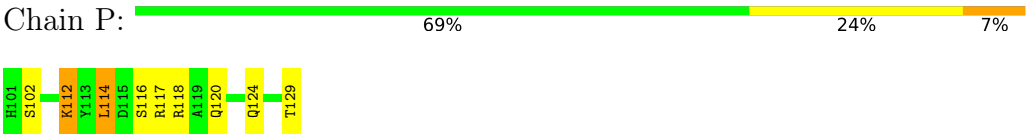
• Molecule 1: Glucagon

Chain O:



• Molecule 1: Glucagon

Chain P:



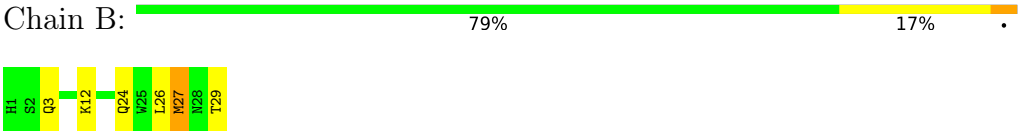
4.2.2 Score per residue for model 2

• Molecule 1: Glucagon

Chain A:

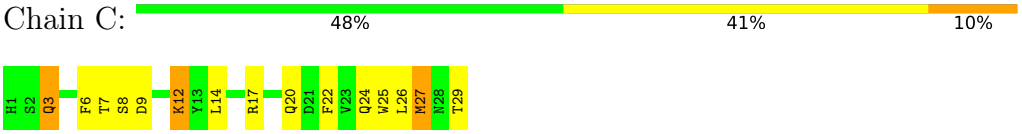
• Molecule 1: Glucagon

Chain B:



• Molecule 1: Glucagon

Chain C:



• Molecule 1: Glucagon

Chain D:

• Molecule 1: Glucagon

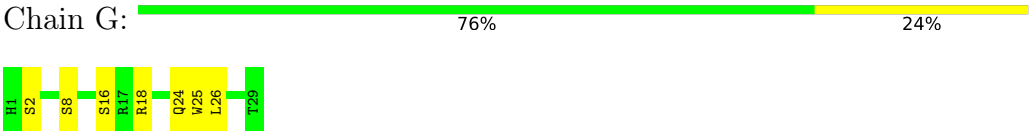
Chain E:

• Molecule 1: Glucagon

Chain F:

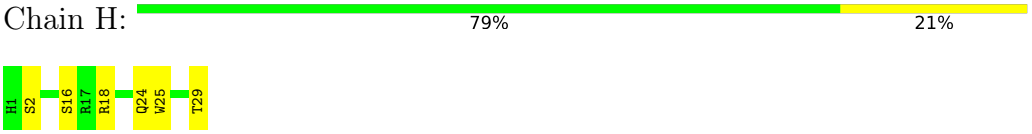
• Molecule 1: Glucagon

Chain G:



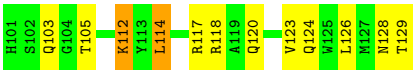
• Molecule 1: Glucagon

Chain H:



• Molecule 1: Glucagon

Chain I:



• Molecule 1: Glucagon

Chain J:

• Molecule 1: Glucagon

Chain K:

• Molecule 1: Glucagon

Chain L:

• Molecule 1: Glucagon

Chain M:

• Molecule 1: Glucagon

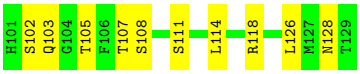
Chain N:

• Molecule 1: Glucagon

Chain O:

• Molecule 1: Glucagon

Chain P:



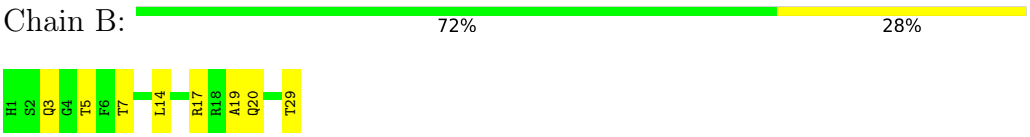
4.2.3 Score per residue for model 3

• Molecule 1: Glucagon

Chain A:

• Molecule 1: Glucagon

Chain B:



• Molecule 1: Glucagon

Chain C:

• Molecule 1: Glucagon

Chain D:

• Molecule 1: Glucagon

Chain E:

• Molecule 1: Glucagon

Chain F:

• Molecule 1: Glucagon

Chain G:

• Molecule 1: Glucagon

Chain H:

• Molecule 1: Glucagon

Chain I:

• Molecule 1: Glucagon

Chain J:

• Molecule 1: Glucagon

Chain K:

• Molecule 1: Glucagon

Chain L:

• Molecule 1: Glucagon

Chain M:

• Molecule 1: Glucagon

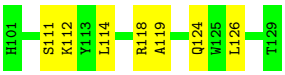
Chain N:

• Molecule 1: Glucagon

Chain O:

• Molecule 1: Glucagon

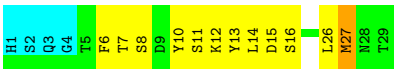
Chain P:



4.2.4 Score per residue for model 4

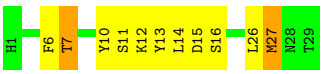
• Molecule 1: Glucagon

Chain A:



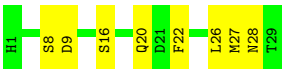
• Molecule 1: Glucagon

Chain B:



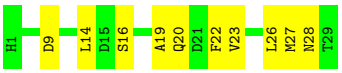
• Molecule 1: Glucagon

Chain C:



• Molecule 1: Glucagon

Chain D:

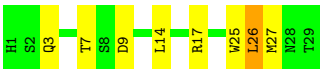


• Molecule 1: Glucagon

Chain E:

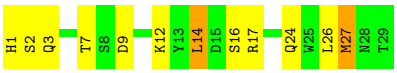
• Molecule 1: Glucagon

Chain F:



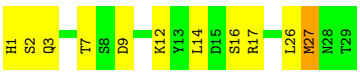
• Molecule 1: Glucagon

Chain G:



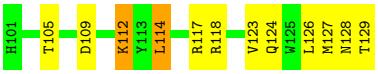
• Molecule 1: Glucagon

Chain H:



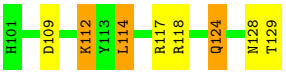
• Molecule 1: Glucagon

Chain I:



• Molecule 1: Glucagon

Chain J:



• Molecule 1: Glucagon

Chain K:

• Molecule 1: Glucagon

Chain L:

• Molecule 1: Glucagon

Chain M:

• Molecule 1: Glucagon

Chain N:

• Molecule 1: Glucagon

Chain O:

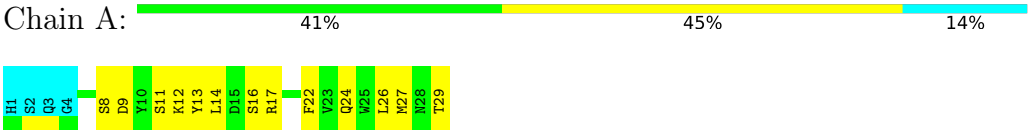
• Molecule 1: Glucagon

Chain P:

4.2.5 Score per residue for model 5

• Molecule 1: Glucagon

Chain A:

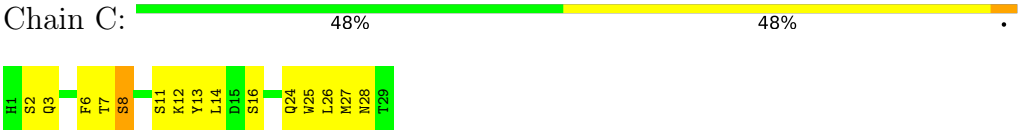


• Molecule 1: Glucagon

Chain B:

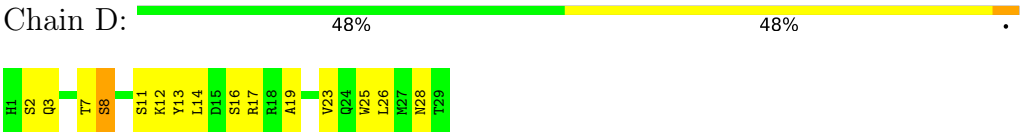
• Molecule 1: Glucagon

Chain C:



• Molecule 1: Glucagon

Chain D:

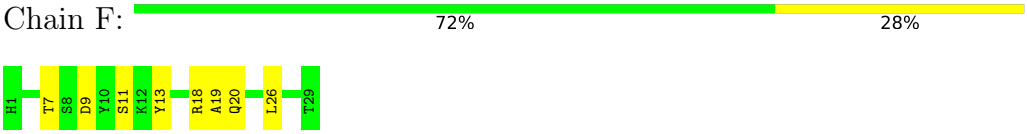


• Molecule 1: Glucagon

Chain E:

• Molecule 1: Glucagon

Chain F:



• Molecule 1: Glucagon

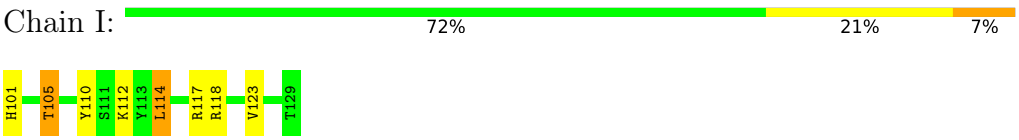
Chain G:

• Molecule 1: Glucagon

Chain H:

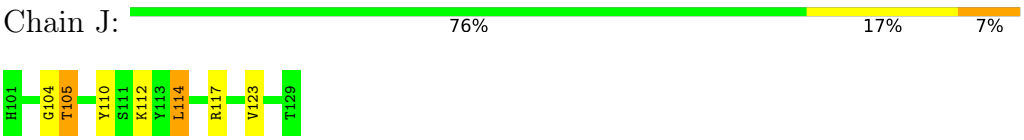
• Molecule 1: Glucagon

Chain I:



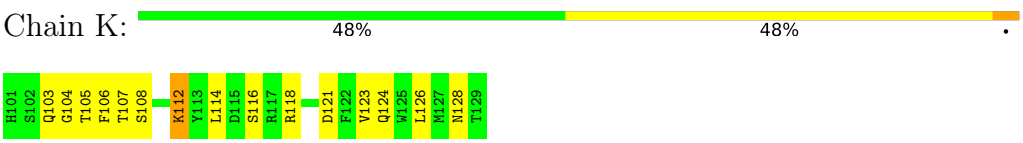
• Molecule 1: Glucagon

Chain J:



• Molecule 1: Glucagon

Chain K:



• Molecule 1: Glucagon

Chain L:

• Molecule 1: Glucagon

Chain M:

• Molecule 1: Glucagon

Chain N:

• Molecule 1: Glucagon

Chain O:

• Molecule 1: Glucagon

Chain P:

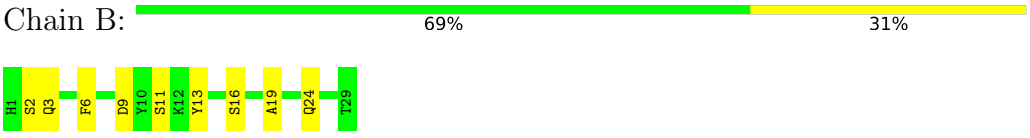
4.2.6 Score per residue for model 6

• Molecule 1: Glucagon

Chain A:

• Molecule 1: Glucagon

Chain B:



• Molecule 1: Glucagon

Chain C:

• Molecule 1: Glucagon

Chain D:

• Molecule 1: Glucagon

Chain E:

• Molecule 1: Glucagon

Chain F:

• Molecule 1: Glucagon

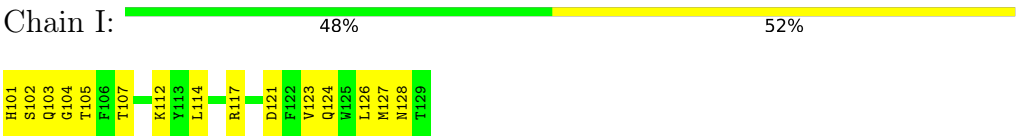
Chain G:

• Molecule 1: Glucagon

Chain H:

• Molecule 1: Glucagon

Chain I:



• Molecule 1: Glucagon

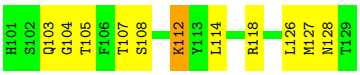
Chain J:

• Molecule 1: Glucagon

Chain K:

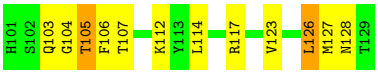
• Molecule 1: Glucagon

Chain L:



• Molecule 1: Glucagon

Chain M:

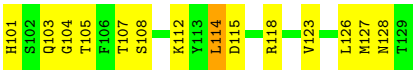


• Molecule 1: Glucagon

Chain N:

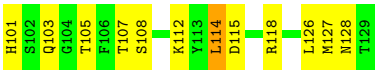
• Molecule 1: Glucagon

Chain O:



• Molecule 1: Glucagon

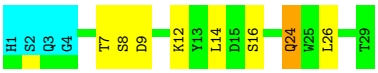
Chain P:



4.2.7 Score per residue for model 7

• Molecule 1: Glucagon

Chain A:



• Molecule 1: Glucagon

Chain B:

• Molecule 1: Glucagon

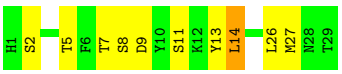
Chain C:

• Molecule 1: Glucagon

Chain D:

• Molecule 1: Glucagon

Chain E:

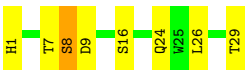


• Molecule 1: Glucagon

Chain F:

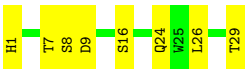
• Molecule 1: Glucagon

Chain G:



• Molecule 1: Glucagon

Chain H:

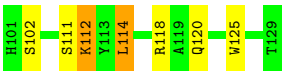


• Molecule 1: Glucagon

Chain I:

• Molecule 1: Glucagon

Chain J:

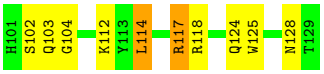


• Molecule 1: Glucagon

Chain K:

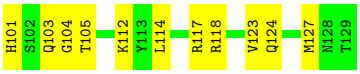
• Molecule 1: Glucagon

Chain L:



• Molecule 1: Glucagon

Chain M:



• Molecule 1: Glucagon

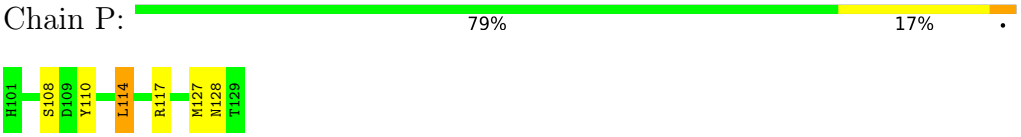
Chain N:

• Molecule 1: Glucagon

Chain O:

• Molecule 1: Glucagon

Chain P:



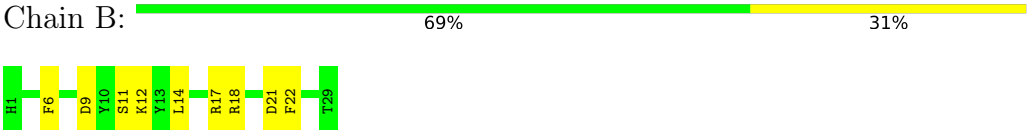
4.2.8 Score per residue for model 8

• Molecule 1: Glucagon

Chain A:

• Molecule 1: Glucagon

Chain B:



• Molecule 1: Glucagon

Chain C:

• Molecule 1: Glucagon

Chain D:

• Molecule 1: Glucagon

Chain E:

• Molecule 1: Glucagon

Chain F:

• Molecule 1: Glucagon

Chain G:

• Molecule 1: Glucagon

Chain H:

• Molecule 1: Glucagon

Chain I:

• Molecule 1: Glucagon

Chain J:

• Molecule 1: Glucagon

Chain K:

• Molecule 1: Glucagon

Chain L:

• Molecule 1: Glucagon

Chain M:

• Molecule 1: Glucagon

Chain N:

• Molecule 1: Glucagon

Chain O:

• Molecule 1: Glucagon

Chain P:

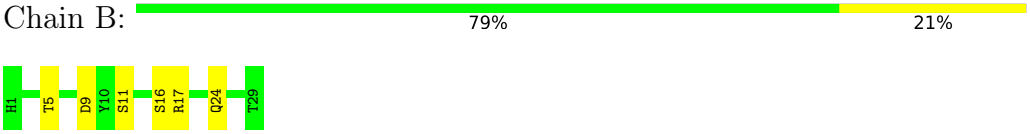
4.2.9 Score per residue for model 9

• Molecule 1: Glucagon

Chain A:

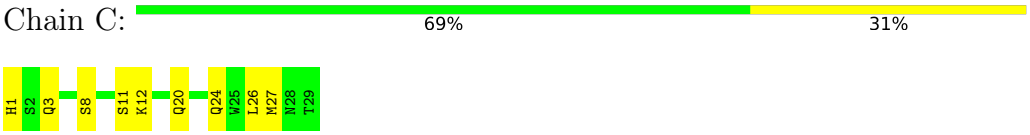
• Molecule 1: Glucagon

Chain B:



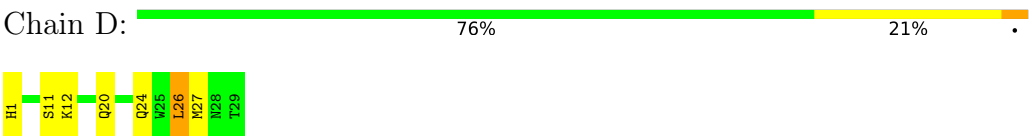
• Molecule 1: Glucagon

Chain C:



• Molecule 1: Glucagon

Chain D:



• Molecule 1: Glucagon

Chain E:

• Molecule 1: Glucagon

Chain F:

• Molecule 1: Glucagon

Chain G:

• Molecule 1: Glucagon

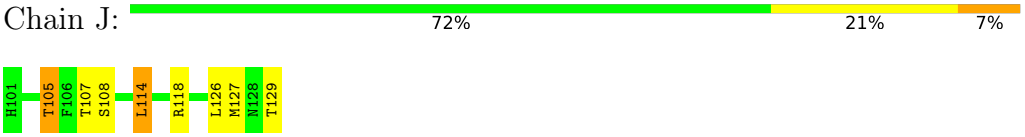
Chain H:

• Molecule 1: Glucagon

Chain I:

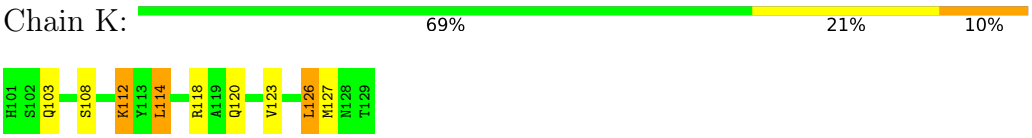
• Molecule 1: Glucagon

Chain J:



• Molecule 1: Glucagon

Chain K:



• Molecule 1: Glucagon

Chain L:

• Molecule 1: Glucagon

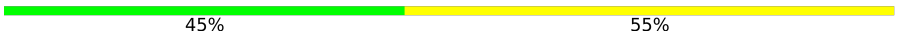
Chain M:

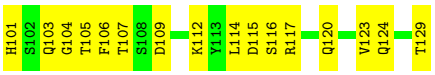
• Molecule 1: Glucagon

Chain N:

• Molecule 1: Glucagon

Chain O:





• Molecule 1: Glucagon

Chain P:

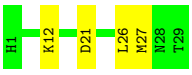
4.2.10 Score per residue for model 10

• Molecule 1: Glucagon

Chain A:

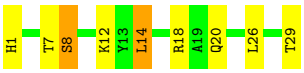
• Molecule 1: Glucagon

Chain B:



• Molecule 1: Glucagon

Chain C:

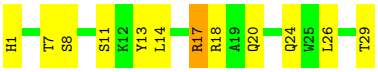


• Molecule 1: Glucagon

Chain D:

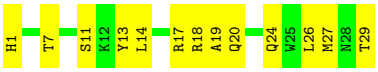
• Molecule 1: Glucagon

Chain E:



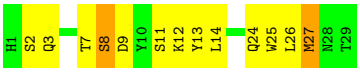
• Molecule 1: Glucagon

Chain F:



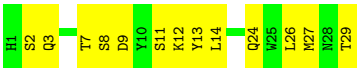
• Molecule 1: Glucagon

Chain G:



• Molecule 1: Glucagon

Chain H:



• Molecule 1: Glucagon

Chain I:

• Molecule 1: Glucagon

Chain J:

• Molecule 1: Glucagon

Chain K:

• Molecule 1: Glucagon

Chain L:

• Molecule 1: Glucagon

Chain M:

• Molecule 1: Glucagon

Chain N:

• Molecule 1: Glucagon

Chain O:

• Molecule 1: Glucagon

Chain P:

5 Refinement protocol and experimental data overview

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

Of the 700 calculated structures, 10 were deposited, based on the following criterion: *target function*.

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

Software name	Classification	Version
CYANA	refinement	2.1
CYANA	structure calculation	2.1

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	392
Number of shifts mapped to atoms	392
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	6%

Note: This is a solid-state NMR structure, where hydrogen atoms are typically not assigned a chemical shift value, which may lead to lower completeness of assignment measure.

6 Model quality

6.1 Standard geometry

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

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	216	200	200	4±1
1	B	245	223	225	1±1
1	C	245	223	225	5±3
1	D	245	223	225	4±2
1	E	245	223	225	7±3
1	F	245	223	225	6±3
1	G	245	223	225	6±3
1	H	245	223	225	5±2
1	I	245	223	222	7±2
1	J	245	223	222	5±1
1	K	245	223	222	7±3
1	L	245	223	222	6±2
1	M	245	223	222	7±3
1	N	245	223	222	6±3
1	O	245	223	222	6±3
1	P	245	223	222	5±2
All	All	38910	35450	35510	515

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
1:K:114:LEU:HD22	1:L:114:LEU:HD22	0.91	1.42	3	3
1:M:126:LEU:HD13	1:N:126:LEU:HD13	0.88	1.45	3	4
1:I:126:LEU:HD13	1:J:126:LEU:HD13	0.85	1.46	2	2
1:K:126:LEU:HD13	1:L:126:LEU:HD13	0.84	1.48	3	4
1:B:5:THR:HG22	1:J:126:LEU:HD23	0.80	1.54	3	1
1:I:114:LEU:HD13	1:J:114:LEU:HD13	0.79	1.54	8	3
1:O:126:LEU:HD13	1:P:126:LEU:HD13	0.77	1.57	2	5
1:M:114:LEU:HD13	1:N:114:LEU:HD13	0.77	1.54	9	2
1:F:5:THR:HG22	1:N:126:LEU:HD23	0.76	1.57	9	2
1:C:5:THR:HG22	1:I:126:LEU:HD12	0.75	1.59	1	1
1:O:114:LEU:HD13	1:P:114:LEU:HD13	0.73	1.57	7	3
1:H:5:THR:HG22	1:P:126:LEU:HD12	0.71	1.61	6	1
1:E:13:TYR:C	1:E:14:LEU:HD13	0.70	2.05	8	1
1:A:26:LEU:HD13	1:I:105:THR:HG23	0.67	1.66	8	2
1:F:13:TYR:C	1:F:14:LEU:HD13	0.66	2.11	8	1
1:G:26:LEU:HD23	1:O:105:THR:HB	0.66	1.66	9	3
1:C:14:LEU:HD23	1:K:117:ARG:HD2	0.66	1.68	8	3
1:C:26:LEU:HD23	1:K:105:THR:HB	0.65	1.67	5	3
1:I:126:LEU:O	1:I:126:LEU:HD13	0.65	1.91	3	1
1:I:126:LEU:HD22	1:I:127:MET:N	0.64	2.07	3	1
1:B:7:THR:HG23	1:J:124:GLN:HB3	0.64	1.70	1	1
1:D:23:VAL:HG13	1:L:108:SER:OG	0.64	1.93	5	2
1:M:126:LEU:O	1:M:126:LEU:HD13	0.64	1.92	9	2
1:M:126:LEU:HD22	1:M:127:MET:N	0.64	2.07	2	2
1:O:126:LEU:HD21	1:O:128:ASN:ND2	0.64	2.08	6	1
1:A:26:LEU:HD12	1:I:104:GLY:O	0.63	1.94	6	3
1:A:26:LEU:HB3	1:I:105:THR:HG23	0.63	1.70	5	2
1:H:24:GLN:HB2	1:N:107:THR:HG22	0.62	1.71	10	1
1:C:29:THR:HG23	1:K:101:HIS:HA	0.62	1.71	2	1
1:E:14:LEU:HD12	1:M:117:ARG:NE	0.62	2.10	8	1
1:D:14:LEU:HD12	1:L:117:ARG:HD3	0.61	1.72	3	1
1:E:24:GLN:HG3	1:M:107:THR:HG22	0.61	1.71	6	2
1:B:5:THR:CG2	1:J:126:LEU:HD12	0.61	2.26	1	1
1:G:14:LEU:HD13	1:M:117:ARG:CD	0.61	2.24	10	2
1:D:14:LEU:HD13	1:L:117:ARG:CD	0.60	2.26	2	1
1:B:5:THR:HG22	1:J:126:LEU:HD12	0.60	1.72	1	1
1:C:3:GLN:OE1	1:C:5:THR:HG23	0.60	1.97	3	1
1:F:19:ALA:HB2	1:N:112:LYS:HE3	0.60	1.72	7	2
1:P:126:LEU:HD21	1:P:128:ASN:ND2	0.60	2.10	6	1
1:D:19:ALA:HB2	1:L:112:LYS:HE3	0.59	1.73	1	1
1:K:126:LEU:HD21	1:K:128:ASN:OD1	0.59	1.97	5	1
1:A:29:THR:HG23	1:I:101:HIS:N	0.59	2.11	5	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:E:26:LEU:HD23	1:M:105:THR:HB	0.59	1.72	9	5
1:K:126:LEU:HD21	1:K:128:ASN:ND2	0.59	2.12	6	1
1:C:26:LEU:HD23	1:K:104:GLY:O	0.59	1.98	6	2
1:A:26:LEU:CB	1:I:105:THR:HG23	0.58	2.29	5	3
1:D:17:ARG:HD3	1:I:114:LEU:HD11	0.58	1.73	8	1
1:E:14:LEU:HD23	1:M:117:ARG:HD2	0.58	1.73	7	3
1:E:17:ARG:NE	1:N:114:LEU:HD11	0.58	2.13	10	1
1:B:5:THR:HG22	1:J:126:LEU:HG	0.58	1.76	9	1
1:C:26:LEU:HG	1:K:105:THR:HG23	0.58	1.74	1	1
1:G:26:LEU:HD23	1:O:104:GLY:O	0.58	1.99	1	1
1:H:12:LYS:NZ	1:H:14:LEU:HD11	0.57	2.14	9	1
1:M:126:LEU:HD22	1:M:126:LEU:C	0.57	2.20	2	2
1:F:26:LEU:HD23	1:L:105:THR:OG1	0.57	1.99	3	3
1:G:26:LEU:HD23	1:O:105:THR:OG1	0.57	1.99	10	2
1:I:126:LEU:HD22	1:I:126:LEU:C	0.57	2.20	3	1
1:K:114:LEU:CD2	1:L:114:LEU:HD22	0.57	2.27	3	3
1:M:114:LEU:CD1	1:N:114:LEU:HD13	0.57	2.29	9	1
1:F:7:THR:HG22	1:L:124:GLN:HG3	0.56	1.75	1	1
1:J:112:LYS:HE3	1:J:114:LEU:HD12	0.56	1.75	2	1
1:D:29:THR:HG23	1:L:101:HIS:O	0.56	2.00	3	2
1:G:12:LYS:CE	1:G:14:LEU:HD11	0.56	2.30	9	2
1:G:14:LEU:HD13	1:M:117:ARG:HD3	0.56	1.75	10	1
1:H:12:LYS:HG3	1:P:119:ALA:HB3	0.56	1.77	9	3
1:C:24:GLN:HG3	1:K:107:THR:HG22	0.56	1.76	8	1
1:F:12:LYS:HE2	1:F:14:LEU:HD21	0.56	1.75	8	1
1:F:14:LEU:HD22	1:F:14:LEU:N	0.56	2.16	8	1
1:O:114:LEU:CD1	1:P:114:LEU:HD13	0.55	2.31	7	2
1:M:114:LEU:HD22	1:N:114:LEU:HD22	0.55	1.77	5	2
1:K:126:LEU:HD13	1:L:126:LEU:CD1	0.55	2.28	3	2
1:I:126:LEU:HD13	1:J:126:LEU:CD1	0.55	2.28	2	2
1:G:23:VAL:HG13	1:M:106:PHE:CZ	0.55	2.36	6	1
1:G:26:LEU:HD22	1:O:104:GLY:O	0.55	2.01	3	5
1:A:24:GLN:HB2	1:I:107:THR:HG23	0.55	1.79	7	1
1:D:19:ALA:HB2	1:L:112:LYS:CE	0.55	2.31	1	5
1:N:112:LYS:HE2	1:N:114:LEU:HD12	0.54	1.79	3	2
1:E:23:VAL:HG13	1:K:108:SER:OG	0.54	2.02	5	1
1:D:26:LEU:CD1	1:J:105:THR:HG23	0.54	2.33	9	1
1:F:29:THR:HG1	1:L:101:HIS:N	0.54	2.00	2	1
1:H:26:LEU:HD23	1:N:105:THR:HB	0.54	1.77	9	3
1:H:12:LYS:CE	1:H:14:LEU:HD11	0.54	2.33	9	3
1:I:114:LEU:HD22	1:J:114:LEU:HD22	0.54	1.78	10	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:O:114:LEU:HD22	1:P:114:LEU:HD22	0.54	1.79	4	1
1:H:26:LEU:HD21	1:N:103:GLN:HG2	0.54	1.80	9	1
1:B:19:ALA:HB2	1:J:112:LYS:CE	0.54	2.32	7	2
1:H:26:LEU:HD22	1:N:104:GLY:O	0.53	2.03	7	3
1:A:8:SER:HA	1:I:123:VAL:HG12	0.53	1.79	4	10
1:E:8:SER:HA	1:M:123:VAL:HG12	0.53	1.80	4	10
1:G:12:LYS:NZ	1:G:14:LEU:HD11	0.53	2.18	9	1
1:F:26:LEU:HD22	1:L:104:GLY:O	0.53	2.02	7	5
1:K:126:LEU:HD23	1:K:126:LEU:O	0.53	2.03	4	2
1:I:112:LYS:HE3	1:I:114:LEU:HD12	0.53	1.79	2	1
1:L:126:LEU:HD21	1:L:128:ASN:OD1	0.53	2.03	5	1
1:E:26:LEU:HD23	1:M:105:THR:OG1	0.53	2.04	6	1
1:F:12:LYS:CE	1:F:14:LEU:HD11	0.53	2.33	9	2
1:E:29:THR:HG21	1:M:101:HIS:CD2	0.53	2.39	2	1
1:E:14:LEU:HD22	1:E:14:LEU:N	0.53	2.18	8	1
1:L:126:LEU:HD23	1:L:126:LEU:O	0.53	2.04	4	2
1:A:17:ARG:NH1	1:J:114:LEU:HD11	0.53	2.19	9	1
1:F:17:ARG:HD3	1:K:114:LEU:HD11	0.53	1.81	9	1
1:F:12:LYS:HG3	1:N:119:ALA:HB3	0.53	1.80	8	3
1:D:14:LEU:HD13	1:L:117:ARG:HD2	0.53	1.79	4	1
1:H:26:LEU:HD23	1:N:105:THR:OG1	0.53	2.04	10	1
1:C:29:THR:HG23	1:I:101:HIS:O	0.52	2.04	3	2
1:A:29:THR:HG23	1:I:101:HIS:HA	0.52	1.81	9	1
1:D:26:LEU:HD23	1:J:105:THR:OG1	0.52	2.04	5	2
1:K:112:LYS:NZ	1:K:114:LEU:HD12	0.52	2.20	10	1
1:I:114:LEU:CD1	1:J:114:LEU:HD13	0.52	2.34	9	2
1:N:126:LEU:HD22	1:N:127:MET:N	0.52	2.19	9	2
1:H:29:THR:HG21	1:N:101:HIS:CD2	0.52	2.39	3	2
1:O:112:LYS:CE	1:O:114:LEU:HD12	0.52	2.34	6	2
1:H:19:ALA:HB2	1:P:112:LYS:CE	0.52	2.35	1	3
1:F:12:LYS:HE3	1:F:14:LEU:HD11	0.52	1.80	9	1
1:E:14:LEU:HD13	1:E:14:LEU:N	0.52	2.19	8	1
1:M:112:LYS:HE2	1:M:114:LEU:HD12	0.51	1.82	3	2
1:D:12:LYS:HD3	1:D:14:LEU:HD11	0.51	1.81	7	1
1:D:26:LEU:HG	1:J:105:THR:HG23	0.51	1.83	6	2
1:L:112:LYS:NZ	1:L:114:LEU:HD12	0.51	2.20	10	1
1:H:5:THR:CG2	1:P:126:LEU:HD12	0.51	2.34	6	1
1:G:29:THR:HG21	1:O:101:HIS:CD2	0.51	2.40	9	1
1:G:17:ARG:HD3	1:P:114:LEU:HD11	0.51	1.82	1	2
1:J:126:LEU:HD22	1:J:127:MET:N	0.51	2.20	3	1
1:E:26:LEU:HD23	1:M:105:THR:HG23	0.51	1.82	6	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:H:19:ALA:HB2	1:P:112:LYS:HE2	0.51	1.82	1	1
1:C:24:GLN:HB2	1:K:107:THR:HG23	0.51	1.82	5	1
1:D:26:LEU:HD22	1:J:104:GLY:O	0.51	2.06	8	3
1:J:112:LYS:CE	1:J:114:LEU:HD12	0.51	2.36	2	1
1:M:126:LEU:HD23	1:M:127:MET:N	0.51	2.21	4	1
1:F:26:LEU:HD23	1:L:104:GLY:O	0.51	2.06	1	3
1:H:14:LEU:HD13	1:P:117:ARG:CD	0.51	2.36	1	1
1:G:5:THR:HG21	1:P:126:LEU:CD1	0.51	2.35	8	1
1:G:24:GLN:NE2	1:O:107:THR:HG22	0.50	2.21	4	1
1:G:13:TYR:C	1:G:14:LEU:HD12	0.50	2.27	8	1
1:G:24:GLN:HB2	1:O:107:THR:HG23	0.50	1.82	9	1
1:C:26:LEU:HD22	1:K:104:GLY:O	0.50	2.07	10	4
1:F:17:ARG:NE	1:K:114:LEU:HD11	0.50	2.20	8	1
1:C:8:SER:HA	1:K:123:VAL:HG12	0.50	1.81	2	10
1:D:26:LEU:HD23	1:J:104:GLY:O	0.50	2.05	1	2
1:J:126:LEU:HD13	1:J:126:LEU:O	0.50	2.06	3	1
1:N:126:LEU:HD13	1:N:126:LEU:O	0.50	2.06	2	2
1:F:29:THR:HG23	1:N:102:SER:HA	0.50	1.84	7	1
1:G:8:SER:HA	1:O:123:VAL:HG12	0.50	1.83	8	9
1:G:26:LEU:HD23	1:O:105:THR:CB	0.50	2.37	9	2
1:J:112:LYS:NZ	1:J:114:LEU:HD12	0.49	2.22	7	2
1:H:17:ARG:NH1	1:N:114:LEU:HD13	0.49	2.22	6	1
1:G:26:LEU:C	1:G:26:LEU:HD13	0.49	2.28	3	6
1:G:26:LEU:HD22	1:G:27:MET:N	0.49	2.23	9	3
1:G:17:ARG:CD	1:P:114:LEU:HD11	0.49	2.37	5	1
1:F:12:LYS:CE	1:F:14:LEU:HD21	0.49	2.37	8	1
1:G:29:THR:HG21	1:O:101:HIS:CG	0.49	2.43	9	1
1:M:126:LEU:HD21	1:M:128:ASN:ND2	0.49	2.23	6	1
1:E:26:LEU:HD22	1:M:104:GLY:O	0.49	2.07	3	7
1:M:114:LEU:HD13	1:N:114:LEU:CD1	0.49	2.36	3	2
1:G:26:LEU:HB2	1:O:105:THR:HG23	0.49	1.84	10	1
1:C:26:LEU:C	1:C:26:LEU:HD13	0.48	2.28	5	4
1:F:19:ALA:HB2	1:N:112:LYS:CE	0.48	2.38	7	3
1:E:3:GLN:HE22	1:E:5:THR:HG23	0.48	1.68	3	1
1:C:2:SER:CB	1:K:129:THR:HG23	0.48	2.38	6	1
1:C:26:LEU:HD22	1:C:27:MET:N	0.48	2.24	5	2
1:I:112:LYS:HE2	1:I:114:LEU:HD12	0.48	1.86	4	1
1:E:26:LEU:HG	1:M:105:THR:HG23	0.48	1.85	1	1
1:J:112:LYS:HE2	1:J:114:LEU:HD12	0.48	1.84	4	1
1:B:7:THR:HG23	1:J:124:GLN:CB	0.48	2.38	4	2
1:H:29:THR:HG23	1:P:102:SER:HA	0.48	1.84	2	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:K:126:LEU:HD21	1:K:128:ASN:HD21	0.48	1.69	6	1
1:D:17:ARG:NH1	1:J:114:LEU:HD13	0.48	2.23	10	1
1:C:26:LEU:HD23	1:K:105:THR:CB	0.48	2.38	8	2
1:E:26:LEU:C	1:E:26:LEU:HD13	0.48	2.29	6	7
1:H:5:THR:HG22	1:P:126:LEU:CD1	0.48	2.38	6	1
1:D:14:LEU:HD13	1:L:117:ARG:HD3	0.48	1.85	2	1
1:P:112:LYS:CE	1:P:114:LEU:HD12	0.47	2.37	6	1
1:A:17:ARG:HD3	1:J:114:LEU:HD11	0.47	1.85	8	1
1:E:14:LEU:HD22	1:E:14:LEU:H	0.47	1.69	8	1
1:L:112:LYS:CE	1:L:114:LEU:HD12	0.47	2.38	10	2
1:I:112:LYS:CE	1:I:114:LEU:HD12	0.47	2.40	2	1
1:H:19:ALA:HB2	1:P:112:LYS:HE3	0.47	1.85	9	2
1:N:126:LEU:HD23	1:N:127:MET:N	0.47	2.24	4	1
1:H:7:THR:HG23	1:P:124:GLN:HB2	0.47	1.86	5	1
1:H:13:TYR:C	1:H:14:LEU:HD12	0.47	2.29	8	1
1:H:26:LEU:HD23	1:N:104:GLY:O	0.47	2.10	8	3
1:I:126:LEU:CD1	1:J:126:LEU:HD13	0.47	2.32	2	1
1:L:112:LYS:HE3	1:L:114:LEU:HD12	0.47	1.86	10	2
1:D:26:LEU:C	1:D:26:LEU:HD13	0.47	2.30	2	4
1:E:26:LEU:HD23	1:M:105:THR:CB	0.47	2.39	7	4
1:F:5:THR:HG22	1:N:126:LEU:HD12	0.47	1.85	6	1
1:G:17:ARG:NH1	1:O:114:LEU:HD13	0.47	2.25	6	1
1:A:26:LEU:HD12	1:A:27:MET:N	0.46	2.26	4	2
1:E:26:LEU:HD22	1:E:27:MET:N	0.46	2.25	6	3
1:K:112:LYS:CE	1:K:114:LEU:HD12	0.46	2.39	10	2
1:H:12:LYS:HE3	1:H:14:LEU:HD11	0.46	1.87	10	1
1:A:26:LEU:HD13	1:I:105:THR:OG1	0.46	2.10	3	1
1:F:26:LEU:C	1:F:26:LEU:HD13	0.46	2.30	6	7
1:H:26:LEU:C	1:H:26:LEU:HD13	0.46	2.31	4	6
1:D:12:LYS:NZ	1:D:14:LEU:HD11	0.46	2.25	2	1
1:F:12:LYS:CG	1:N:119:ALA:HB3	0.46	2.40	2	2
1:B:19:ALA:HB2	1:J:112:LYS:NZ	0.46	2.25	3	1
1:E:24:GLN:HB2	1:M:107:THR:HG23	0.46	1.87	9	1
1:O:112:LYS:HE3	1:O:114:LEU:HD12	0.46	1.87	6	1
1:D:17:ARG:NE	1:I:114:LEU:HD11	0.46	2.26	7	1
1:F:14:LEU:HD23	1:L:117:ARG:HD2	0.46	1.87	7	1
1:F:3:GLN:HE22	1:F:5:THR:HG23	0.46	1.71	3	1
1:C:14:LEU:HD23	1:K:117:ARG:CD	0.46	2.39	8	2
1:H:29:THR:HG23	1:P:102:SER:CA	0.46	2.40	1	2
1:C:17:ARG:NH1	1:K:114:LEU:HD13	0.46	2.26	8	1
1:F:3:GLN:HE22	1:L:126:LEU:HD21	0.45	1.71	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:D:17:ARG:CD	1:I:114:LEU:HD11	0.45	2.41	5	1
1:K:126:LEU:CD1	1:L:126:LEU:HD13	0.45	2.41	5	1
1:G:26:LEU:HD23	1:O:105:THR:HG23	0.45	1.89	10	2
1:M:126:LEU:CD1	1:N:126:LEU:HD13	0.45	2.33	5	1
1:G:3:GLN:HE22	1:P:126:LEU:HD11	0.45	1.71	8	1
1:G:14:LEU:HD23	1:O:117:ARG:CD	0.45	2.42	4	1
1:I:112:LYS:NZ	1:I:114:LEU:HD12	0.45	2.26	7	1
1:I:114:LEU:HD13	1:J:114:LEU:CD1	0.45	2.36	8	2
1:F:29:THR:HG23	1:N:101:HIS:O	0.45	2.12	10	1
1:B:26:LEU:HD12	1:B:27:MET:N	0.45	2.26	4	2
1:E:17:ARG:NH1	1:M:114:LEU:HD13	0.45	2.27	2	1
1:E:14:LEU:HD23	1:M:117:ARG:CD	0.45	2.41	7	1
1:D:2:SER:HB3	1:L:129:THR:HG23	0.45	1.89	2	1
1:D:19:ALA:HB2	1:L:112:LYS:HE2	0.45	1.88	4	2
1:O:114:LEU:CD2	1:P:114:LEU:HD21	0.45	2.42	10	1
1:E:26:LEU:HD23	1:M:105:THR:CG2	0.44	2.42	6	1
1:A:24:GLN:CD	1:I:107:THR:HG23	0.44	2.33	10	1
1:L:126:LEU:HD21	1:L:128:ASN:ND2	0.44	2.26	6	1
1:P:112:LYS:HE3	1:P:114:LEU:HD12	0.44	1.90	6	1
1:A:26:LEU:HD13	1:I:105:THR:HB	0.44	1.88	2	2
1:N:126:LEU:HD13	1:N:126:LEU:C	0.44	2.33	2	2
1:G:28:ASN:HD21	1:M:103:GLN:NE2	0.44	2.10	5	1
1:K:112:LYS:HE3	1:K:114:LEU:HD12	0.44	1.87	10	1
1:O:126:LEU:HD23	1:O:127:MET:N	0.44	2.27	10	1
1:N:117:ARG:NH2	1:N:119:ALA:HB2	0.44	2.28	1	1
1:F:26:LEU:HD23	1:L:105:THR:HB	0.44	1.89	6	2
1:E:17:ARG:HD3	1:N:114:LEU:HD11	0.44	1.90	1	2
1:C:3:GLN:NE2	1:K:126:LEU:HD22	0.44	2.27	2	1
1:E:12:LYS:CE	1:E:14:LEU:HD11	0.44	2.43	9	1
1:D:14:LEU:HD13	1:L:117:ARG:NE	0.44	2.28	2	1
1:G:14:LEU:HD13	1:M:117:ARG:NE	0.43	2.28	4	1
1:C:12:LYS:NZ	1:C:14:LEU:HD11	0.43	2.28	2	1
1:H:13:TYR:O	1:H:14:LEU:HD12	0.43	2.13	8	1
1:A:29:THR:HG23	1:I:101:HIS:CA	0.43	2.43	9	1
1:O:126:LEU:HD11	1:P:126:LEU:HD11	0.43	1.90	10	1
1:D:25:TRP:CD1	1:D:25:TRP:N	0.43	2.87	5	2
1:O:114:LEU:HD21	1:P:114:LEU:HD21	0.43	1.89	10	1
1:I:126:LEU:HD23	1:I:127:MET:N	0.43	2.29	10	2
1:O:114:LEU:CD2	1:P:114:LEU:HD22	0.43	2.44	4	1
1:D:8:SER:HA	1:J:123:VAL:HG12	0.43	1.90	5	2
1:O:114:LEU:HD13	1:P:114:LEU:CD1	0.43	2.35	7	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:G:13:TYR:O	1:G:14:LEU:HD12	0.43	2.13	8	1
1:F:26:LEU:HD22	1:F:27:MET:N	0.43	2.28	10	1
1:E:24:GLN:CG	1:M:107:THR:HG22	0.43	2.42	6	1
1:B:19:ALA:HB2	1:J:112:LYS:HE2	0.43	1.90	7	1
1:A:14:LEU:HD12	1:I:117:ARG:HD2	0.43	1.91	8	1
1:J:112:LYS:HZ2	1:J:114:LEU:HD12	0.43	1.74	7	1
1:E:25:TRP:CH2	1:E:27:MET:HE1	0.43	2.48	8	1
1:H:24:GLN:CB	1:N:107:THR:HG22	0.43	2.41	10	1
1:H:14:LEU:HD13	1:P:117:ARG:NE	0.42	2.29	1	1
1:E:19:ALA:HB2	1:K:112:LYS:NZ	0.42	2.29	5	1
1:J:126:LEU:HD13	1:J:126:LEU:C	0.42	2.34	3	1
1:E:12:LYS:HE3	1:E:14:LEU:HD11	0.42	1.91	9	1
1:F:7:THR:HG22	1:L:124:GLN:CG	0.42	2.43	1	1
1:A:8:SER:CA	1:I:123:VAL:HG12	0.42	2.45	2	3
1:M:114:LEU:CD2	1:N:114:LEU:HD22	0.42	2.42	5	1
1:C:25:TRP:CD1	1:C:25:TRP:N	0.42	2.87	8	1
1:G:2:SER:CB	1:O:129:THR:HG23	0.42	2.45	3	1
1:L:126:LEU:HD21	1:L:128:ASN:HD21	0.41	1.75	6	1
1:A:14:LEU:HD12	1:I:117:ARG:HG3	0.41	1.90	7	1
1:E:26:LEU:HB2	1:M:105:THR:HG23	0.41	1.90	6	1
1:F:13:TYR:O	1:F:14:LEU:HD13	0.41	2.15	8	1
1:F:14:LEU:HD13	1:F:14:LEU:N	0.41	2.30	8	1
1:A:8:SER:CB	1:I:123:VAL:HG12	0.41	2.45	10	1
1:F:8:SER:HA	1:L:123:VAL:HG12	0.41	1.93	3	1
1:C:3:GLN:NE2	1:I:126:LEU:HD21	0.41	2.30	9	1
1:E:29:THR:HG23	1:K:101:HIS:O	0.41	2.15	10	1
1:C:8:SER:CA	1:K:123:VAL:HG12	0.41	2.46	2	2
1:D:26:LEU:HD22	1:D:27:MET:N	0.41	2.31	10	2
1:H:7:THR:HG23	1:P:124:GLN:CB	0.41	2.46	3	1
1:B:19:ALA:HB2	1:J:112:LYS:HE3	0.41	1.92	6	1
1:G:25:TRP:CE2	1:O:106:PHE:HB3	0.41	2.50	9	2
1:K:126:LEU:O	1:K:126:LEU:HD23	0.41	2.15	1	1
1:H:19:ALA:HB2	1:P:112:LYS:CD	0.41	2.45	3	1
1:F:25:TRP:CD1	1:F:25:TRP:N	0.41	2.88	6	1
1:I:114:LEU:HD22	1:J:114:LEU:CD2	0.41	2.46	3	2
1:C:25:TRP:CE2	1:K:106:PHE:HB3	0.41	2.51	5	1
1:C:26:LEU:HD23	1:K:105:THR:OG1	0.41	2.15	10	1
1:G:26:LEU:HD13	1:G:26:LEU:C	0.41	2.36	2	1
1:J:126:LEU:HD23	1:J:127:MET:N	0.41	2.30	10	1
1:P:126:LEU:HD23	1:P:127:MET:N	0.41	2.31	10	1
1:H:26:LEU:HD22	1:H:27:MET:N	0.40	2.31	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:H:26:LEU:HD21	1:N:103:GLN:OE1	0.40	2.16	8	1
1:M:126:LEU:C	1:M:126:LEU:CD2	0.40	2.90	2	1
1:A:29:THR:HG1	1:I:101:HIS:N	0.40	2.15	3	1
1:D:19:ALA:HB2	1:L:112:LYS:NZ	0.40	2.32	5	1
1:K:126:LEU:C	1:K:126:LEU:HD23	0.40	2.37	7	1
1:G:26:LEU:HD23	1:O:105:THR:CG2	0.40	2.47	10	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	24/29 (83%)	24±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
1	B	27/29 (93%)	27±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
1	C	27/29 (93%)	27±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
1	D	27/29 (93%)	27±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
1	E	27/29 (93%)	27±0 (100±1%)	0±0 (0±1%)	0±0 (0±0%)	100	100
1	F	27/29 (93%)	27±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
1	G	27/29 (93%)	27±0 (99±1%)	0±0 (1±1%)	0±0 (0±0%)	100	100
1	H	27/29 (93%)	27±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
1	I	27/29 (93%)	27±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
1	J	27/29 (93%)	27±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
1	K	27/29 (93%)	27±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
1	L	27/29 (93%)	27±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
1	M	27/29 (93%)	27±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
1	N	27/29 (93%)	27±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
1	O	27/29 (93%)	27±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
1	P	27/29 (93%)	27±0 (100±0%)	0±0 (0±0%)	0±0 (0±0%)	100	100
All	All	4290/4640 (92%)	4287 (100%)	3 (0%)	0 (0%)	100	100

There are no Ramachandran outliers.

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	24/27 (89%)	18±2 (73±9%)	6±2 (27±9%)	2	22
1	B	27/27 (100%)	20±2 (73±9%)	7±2 (27±9%)	2	21
1	C	27/27 (100%)	18±2 (68±6%)	9±2 (32±6%)	1	13
1	D	27/27 (100%)	19±1 (69±5%)	8±1 (31±5%)	1	15
1	E	27/27 (100%)	19±2 (71±6%)	8±2 (29±6%)	2	18
1	F	27/27 (100%)	20±2 (72±6%)	8±2 (28±6%)	2	20
1	G	27/27 (100%)	19±2 (70±7%)	8±2 (30±7%)	1	16
1	H	27/27 (100%)	19±2 (71±7%)	8±2 (29±7%)	1	17
1	I	27/27 (100%)	19±2 (70±7%)	8±2 (30±7%)	1	17
1	J	27/27 (100%)	19±2 (70±7%)	8±2 (30±7%)	1	17
1	K	27/27 (100%)	19±1 (70±3%)	8±1 (30±3%)	1	17
1	L	27/27 (100%)	19±1 (69±3%)	8±1 (31±3%)	1	15
1	M	27/27 (100%)	19±1 (69±6%)	8±1 (31±6%)	1	15
1	N	27/27 (100%)	18±2 (68±6%)	9±2 (32±6%)	1	13
1	O	27/27 (100%)	19±2 (70±7%)	8±2 (30±7%)	1	16
1	P	27/27 (100%)	19±2 (70±8%)	8±2 (30±8%)	1	16
All	All	4290/4320 (99%)	3014 (70%)	1276 (30%)	1	17

All 338 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	I	114	LEU	10
1	J	114	LEU	10
1	K	114	LEU	10
1	L	114	LEU	10
1	M	112	LYS	10
1	M	114	LEU	10

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Mol	Chain	Res	Type	Models (Total)
1	N	114	LEU	10
1	O	114	LEU	10
1	P	114	LEU	10
1	E	14	LEU	9
1	I	118	ARG	9
1	K	118	ARG	9
1	L	118	ARG	9
1	N	112	LYS	9
1	E	9	ASP	8
1	F	9	ASP	8
1	J	118	ARG	8
1	K	103	GLN	8
1	L	103	GLN	8
1	M	103	GLN	8
1	N	103	GLN	8
1	F	14	LEU	8
1	I	112	LYS	8
1	J	112	LYS	8
1	K	112	LYS	8
1	L	112	LYS	8
1	A	12	LYS	7
1	B	12	LYS	7
1	C	27	MET	7
1	G	9	ASP	7
1	G	27	MET	7
1	H	9	ASP	7
1	H	27	MET	7
1	M	127	MET	7
1	N	118	ARG	7
1	N	127	MET	7
1	O	118	ARG	7
1	P	118	ARG	7
1	G	24	GLN	7
1	E	7	THR	7
1	F	7	THR	7
1	A	9	ASP	6
1	A	11	SER	6
1	B	9	ASP	6
1	B	11	SER	6
1	C	12	LYS	6
1	C	14	LEU	6
1	C	26	LEU	6

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Mol	Chain	Res	Type	Models (Total)
1	D	12	LYS	6
1	D	14	LEU	6
1	D	26	LEU	6
1	D	27	MET	6
1	E	11	SER	6
1	F	11	SER	6
1	G	16	SER	6
1	H	16	SER	6
1	I	117	ARG	6
1	I	128	ASN	6
1	J	117	ARG	6
1	J	128	ASN	6
1	K	127	MET	6
1	L	127	MET	6
1	M	118	ARG	6
1	O	112	LYS	6
1	O	116	SER	6
1	P	112	LYS	6
1	P	116	SER	6
1	C	20	GLN	6
1	D	20	GLN	6
1	H	24	GLN	6
1	G	7	THR	6
1	H	7	THR	6
1	A	27	MET	5
1	B	27	MET	5
1	C	9	ASP	5
1	C	11	SER	5
1	D	9	ASP	5
1	D	11	SER	5
1	E	24	GLN	5
1	F	24	GLN	5
1	G	2	SER	5
1	H	2	SER	5
1	M	107	THR	5
1	N	107	THR	5
1	N	125	TRP	5
1	A	24	GLN	5
1	B	24	GLN	5
1	C	7	THR	5
1	D	7	THR	5
1	E	1	HIS	5

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Mol	Chain	Res	Type	Models (Total)
1	F	1	HIS	5
1	G	18	ARG	5
1	H	18	ARG	5
1	I	129	THR	5
1	J	129	THR	5
1	K	108	SER	5
1	L	108	SER	5
1	M	117	ARG	5
1	N	117	ARG	5
1	O	108	SER	5
1	O	111	SER	5
1	P	108	SER	5
1	P	111	SER	5
1	G	3	GLN	5
1	H	3	GLN	5
1	A	16	SER	5
1	B	16	SER	5
1	A	6	PHE	4
1	A	13	TYR	4
1	B	6	PHE	4
1	B	13	TYR	4
1	C	2	SER	4
1	D	2	SER	4
1	E	27	MET	4
1	F	27	MET	4
1	G	25	TRP	4
1	H	25	TRP	4
1	I	124	GLN	4
1	J	124	GLN	4
1	K	126	LEU	4
1	L	126	LEU	4
1	M	101	HIS	4
1	M	108	SER	4
1	N	101	HIS	4
1	N	108	SER	4
1	O	124	GLN	4
1	P	124	GLN	4
1	B	3	GLN	4
1	C	3	GLN	4
1	C	24	GLN	4
1	D	3	GLN	4
1	D	24	GLN	4

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Mol	Chain	Res	Type	Models (Total)
1	I	103	GLN	4
1	J	103	GLN	4
1	K	124	GLN	4
1	L	124	GLN	4
1	O	105	THR	4
1	O	107	THR	4
1	P	107	THR	4
1	A	14	LEU	4
1	A	17	ARG	4
1	B	14	LEU	4
1	B	17	ARG	4
1	C	1	HIS	4
1	D	1	HIS	4
1	I	127	MET	4
1	J	127	MET	4
1	K	116	SER	4
1	L	116	SER	4
1	L	125	TRP	4
1	C	16	SER	4
1	D	16	SER	4
1	E	17	ARG	4
1	F	17	ARG	4
1	G	1	HIS	4
1	H	1	HIS	4
1	M	111	SER	4
1	M	124	GLN	4
1	N	111	SER	4
1	N	124	GLN	4
1	O	115	ASP	4
1	O	117	ARG	4
1	O	127	MET	4
1	P	115	ASP	4
1	P	117	ARG	4
1	P	127	MET	4
1	E	13	TYR	4
1	E	20	GLN	4
1	F	13	TYR	4
1	F	20	GLN	4
1	I	105	THR	4
1	J	105	THR	4
1	B	26	LEU	3
1	E	25	TRP	3

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Mol	Chain	Res	Type	Models (Total)
1	E	26	LEU	3
1	F	25	TRP	3
1	F	26	LEU	3
1	G	26	LEU	3
1	H	26	LEU	3
1	K	115	ASP	3
1	K	128	ASN	3
1	L	107	THR	3
1	L	115	ASP	3
1	L	128	ASN	3
1	O	120	GLN	3
1	P	120	GLN	3
1	C	6	PHE	3
1	C	22	PHE	3
1	D	22	PHE	3
1	M	126	LEU	3
1	N	126	LEU	3
1	O	103	GLN	3
1	O	128	ASN	3
1	P	103	GLN	3
1	P	105	THR	3
1	P	128	ASN	3
1	A	7	THR	3
1	B	7	THR	3
1	C	18	ARG	3
1	D	18	ARG	3
1	E	18	ARG	3
1	F	18	ARG	3
1	J	125	TRP	3
1	E	6	PHE	3
1	G	12	LYS	3
1	G	14	LEU	3
1	H	12	LYS	3
1	K	117	ARG	3
1	L	117	ARG	3
1	B	2	SER	3
1	M	125	TRP	3
1	I	107	THR	3
1	J	107	THR	3
1	C	25	TRP	2
1	D	25	TRP	2
1	E	12	LYS	2

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Mol	Chain	Res	Type	Models (Total)
1	F	12	LYS	2
1	I	116	SER	2
1	J	116	SER	2
1	K	101	HIS	2
1	K	107	THR	2
1	L	101	HIS	2
1	M	110	TYR	2
1	N	110	TYR	2
1	O	129	THR	2
1	P	129	THR	2
1	A	29	THR	2
1	B	29	THR	2
1	C	17	ARG	2
1	D	17	ARG	2
1	E	16	SER	2
1	F	16	SER	2
1	I	120	GLN	2
1	J	120	GLN	2
1	K	111	SER	2
1	L	111	SER	2
1	M	116	SER	2
1	N	116	SER	2
1	I	108	SER	2
1	I	125	TRP	2
1	J	108	SER	2
1	K	129	THR	2
1	L	129	THR	2
1	M	102	SER	2
1	N	102	SER	2
1	C	28	ASN	2
1	D	28	ASN	2
1	G	17	ARG	2
1	H	14	LEU	2
1	H	17	ARG	2
1	O	101	HIS	2
1	P	101	HIS	2
1	A	22	PHE	2
1	B	22	PHE	2
1	C	8	SER	2
1	C	13	TYR	2
1	D	8	SER	2
1	D	13	TYR	2

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Mol	Chain	Res	Type	Models (Total)
1	O	110	TYR	2
1	O	125	TRP	2
1	P	110	TYR	2
1	P	125	TRP	2
1	E	2	SER	2
1	E	15	ASP	2
1	F	2	SER	2
1	F	6	PHE	2
1	F	15	ASP	2
1	G	28	ASN	2
1	G	29	THR	2
1	H	28	ASN	2
1	H	29	THR	2
1	I	102	SER	2
1	J	102	SER	2
1	M	105	THR	2
1	N	105	THR	2
1	A	26	LEU	2
1	G	8	SER	2
1	H	8	SER	2
1	K	125	TRP	2
1	B	21	ASP	2
1	G	11	SER	2
1	G	13	TYR	2
1	H	11	SER	2
1	H	13	TYR	2
1	M	129	THR	1
1	N	129	THR	1
1	A	20	GLN	1
1	B	20	GLN	1
1	E	3	GLN	1
1	F	3	GLN	1
1	G	22	PHE	1
1	H	22	PHE	1
1	I	126	LEU	1
1	J	126	LEU	1
1	A	10	TYR	1
1	A	15	ASP	1
1	B	10	TYR	1
1	B	15	ASP	1
1	I	109	ASP	1
1	J	109	ASP	1

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Mol	Chain	Res	Type	Models (Total)
1	M	128	ASN	1
1	N	128	ASN	1
1	O	121	ASP	1
1	P	121	ASP	1
1	I	110	TYR	1
1	J	110	TYR	1
1	K	121	ASP	1
1	L	121	ASP	1
1	D	6	PHE	1
1	G	20	GLN	1
1	G	21	ASP	1
1	H	20	GLN	1
1	H	21	ASP	1
1	I	101	HIS	1
1	I	121	ASP	1
1	J	101	HIS	1
1	J	121	ASP	1
1	C	15	ASP	1
1	D	15	ASP	1
1	E	5	THR	1
1	I	111	SER	1
1	J	111	SER	1
1	K	102	SER	1
1	L	102	SER	1
1	A	18	ARG	1
1	B	18	ARG	1
1	G	15	ASP	1
1	H	15	ASP	1
1	K	120	GLN	1
1	L	120	GLN	1
1	M	115	ASP	1
1	N	115	ASP	1
1	O	109	ASP	1
1	P	109	ASP	1
1	A	21	ASP	1
1	D	10	TYR	1
1	I	115	ASP	1
1	J	115	ASP	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no monosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 6% for the well-defined parts and 6% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *shifts_gluc.txt*

7.1.1 Bookkeeping

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

Total number of shifts	392
Number of shifts mapped to atoms	392
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	2

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	58	2.03 ± 0.11	Should be checked
$^{13}C_{\beta}$	56	0.47 ± 0.22	None needed (< 0.5 ppm)
$^{13}C'$	58	3.15 ± 0.13	Should be applied
^{15}N	58	-2.38 ± 0.37	Should be applied

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 6%, i.e. 354 atoms were assigned a chemical shift out of a possible 6341. 0 out of 48 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	162/2315 (7%)	0/935 (0%)	108/920 (12%)	54/460 (12%)
Sidechain	136/3120 (4%)	0/1990 (0%)	115/955 (12%)	21/175 (12%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	56/906 (6%)	0/444 (0%)	52/430 (12%)	4/32 (12%)
Overall	354/6341 (6%)	0/3369 (0%)	275/2305 (12%)	79/667 (12%)

Note: This is a solid-state NMR structure, where hydrogen atoms are typically not assigned a chemical shift value, which may lead to lower completeness of assignment measure.

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 6%, i.e. 376 atoms were assigned a chemical shift out of a possible 6386. 0 out of 48 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	174/2336 (7%)	0/944 (0%)	116/928 (12%)	58/464 (12%)
Sidechain	142/3136 (5%)	0/2000 (0%)	120/960 (12%)	22/176 (12%)
Aromatic	60/914 (7%)	0/448 (0%)	54/432 (12%)	6/34 (18%)
Overall	376/6386 (6%)	0/3392 (0%)	290/2320 (12%)	86/674 (13%)

Note: This is a solid-state NMR structure, where hydrogen atoms are typically not assigned a chemical shift value, which may lead to lower completeness of assignment measure.

7.1.4 Statistically unusual chemical shifts (i)

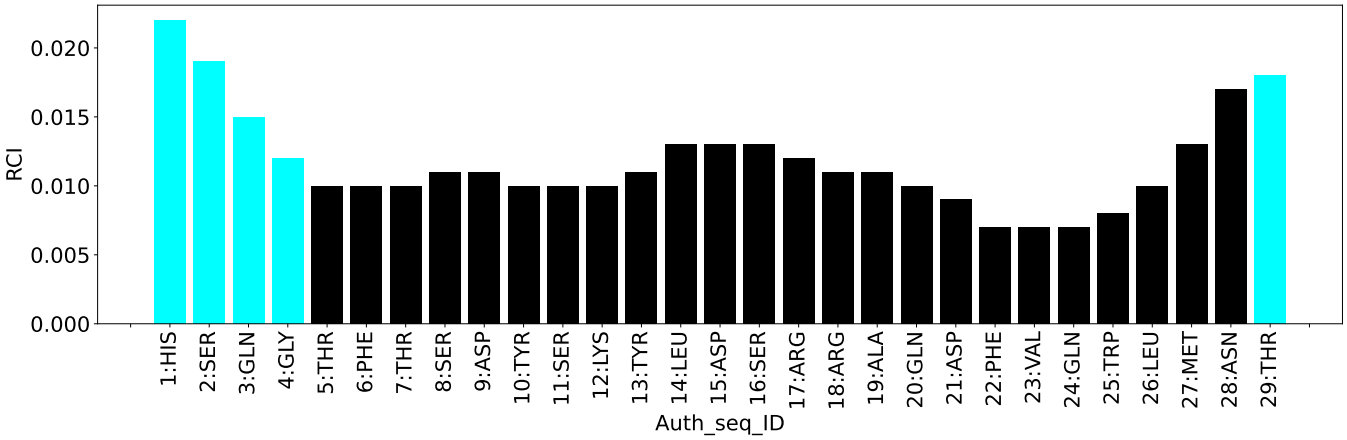
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	1	HIS	N	38.70	99.59 – 139.87	-20.1
1	I	101	HIS	N	38.70	99.59 – 139.87	-20.1

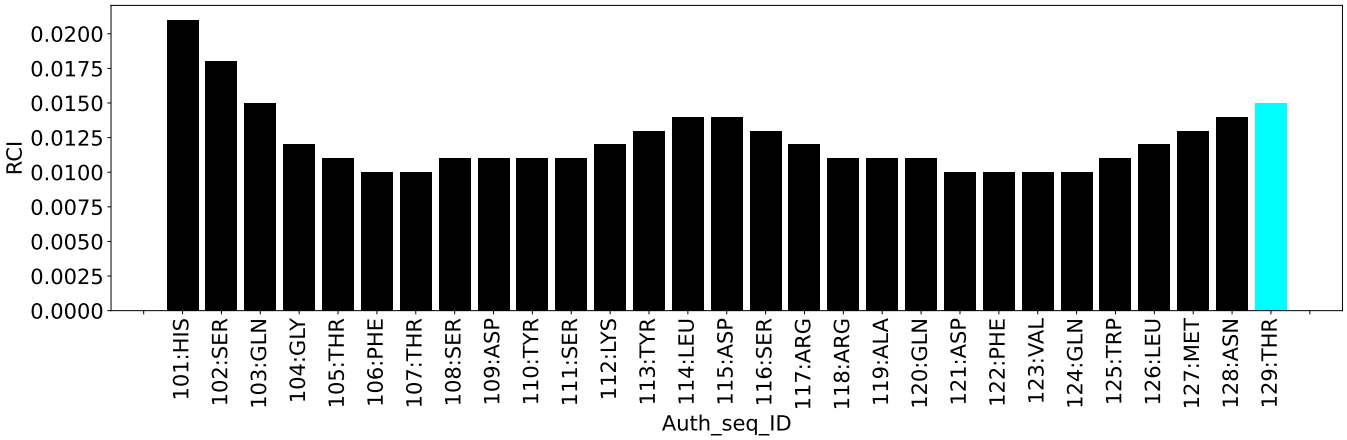
7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:



Random coil index (RCI) for chain I:



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	583
Intra-residue (|i-j|=0)	0
Sequential (|i-j|=1)	202
Medium range (|i-j|>1 and |i-j|<5)	110
Long range (|i-j|≥5)	0
Inter-chain	271
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	1.3
Number of long range restraints per residue[1]	0.0

[1]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)	0.6	0.17
0.2-0.5 (Medium)	None	None
>0.5 (Large)	6.0	4.05

8.2.2 Average number of dihedral-angle violations per model (i)

Dihedral-angle violations less than 1° are not included in the calculation.There are no dihedral-angle violations

9 Distance violation analysis (i)

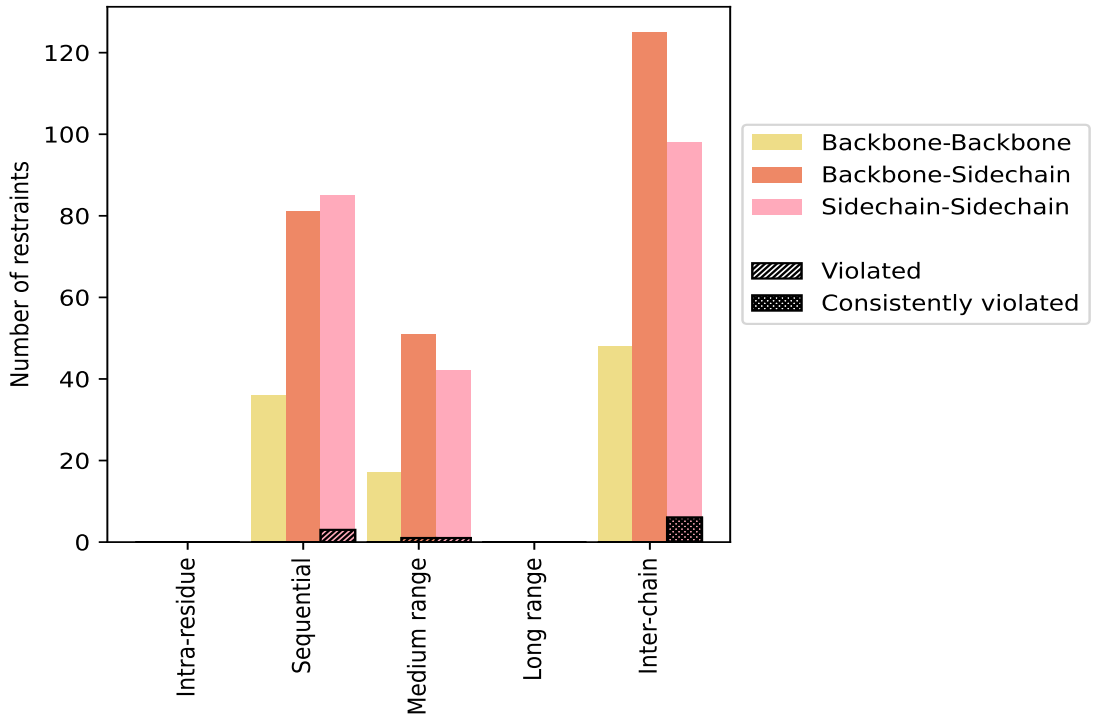
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sequential (|i-j|=1)	202	34.6	3	1.5	0.5	0	0.0	0.0
Backbone-Backbone	36	6.2	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	81	13.9	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	85	14.6	3	3.5	0.5	0	0.0	0.0
Medium range (|i-j|>1 & |i-j|<5)	110	18.9	2	1.8	0.3	0	0.0	0.0
Backbone-Backbone	17	2.9	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	51	8.7	1	2.0	0.2	0	0.0	0.0
Sidechain-Sidechain	42	7.2	1	2.4	0.2	0	0.0	0.0
Long range (|i-j|≥5)	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Inter-chain	271	46.5	6	2.2	1.0	6	2.2	1.0
Backbone-Backbone	48	8.2	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	125	21.4	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	98	16.8	6	6.1	1.0	6	6.1	1.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	583	100.0	11	1.9	1.9	6	1.0	1.0
Backbone-Backbone	101	17.3	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	257	44.1	1	0.4	0.2	0	0.0	0.0
Sidechain-Sidechain	225	38.6	10	4.4	1.7	6	2.7	1.0

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

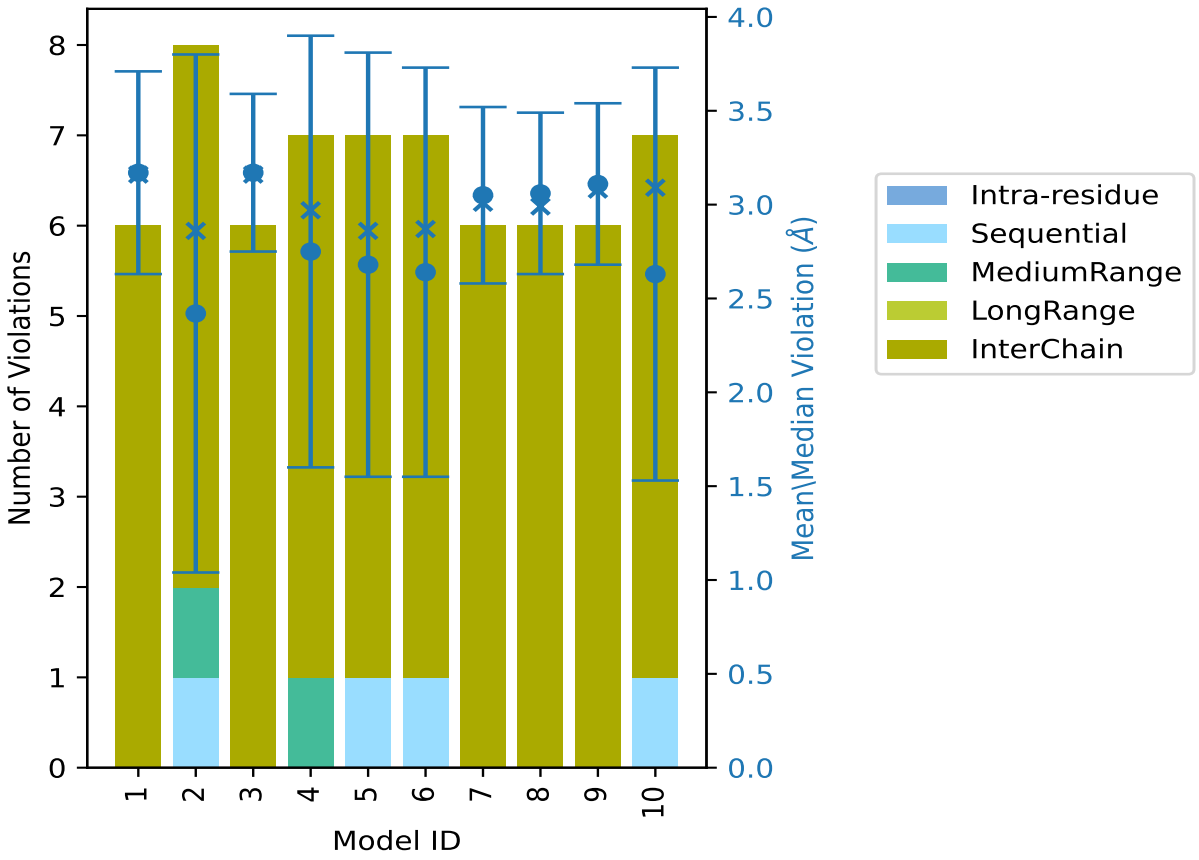
The following table provides the distance violation statistics for each model in the ensemble. Violations less than 0.1 Å are not included in the statistics.

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	0	0	0	0	6	6	3.17	4.05	0.54	3.16
2	0	1	1	0	6	8	2.42	3.96	1.38	2.86
3	0	0	0	0	6	6	3.17	3.82	0.42	3.16
4	0	0	1	0	6	7	2.75	3.92	1.15	2.97
5	0	1	0	0	6	7	2.68	3.93	1.13	2.86
6	0	1	0	0	6	7	2.64	3.69	1.09	2.87
7	0	0	0	0	6	6	3.05	3.85	0.47	3.01
8	0	0	0	0	6	6	3.06	3.85	0.43	2.99
9	0	0	0	0	6	6	3.11	3.83	0.43	3.08
10	0	1	0	0	6	7	2.63	3.59	1.1	3.09

[1]Intra-residue restraints, [2]Sequential restraints, [3]Medium range restraints, [4]Long range restraints,

[5]Inter-chain restraints, [6]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, 572(IR:0, SQ:199, MR:108, LR:0, IC:265) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
0	2	2	0	0	4	1	10.0
0	1	0	0	0	1	2	20.0
0	0	0	0	0	0	3	30.0
0	0	0	0	0	0	4	40.0

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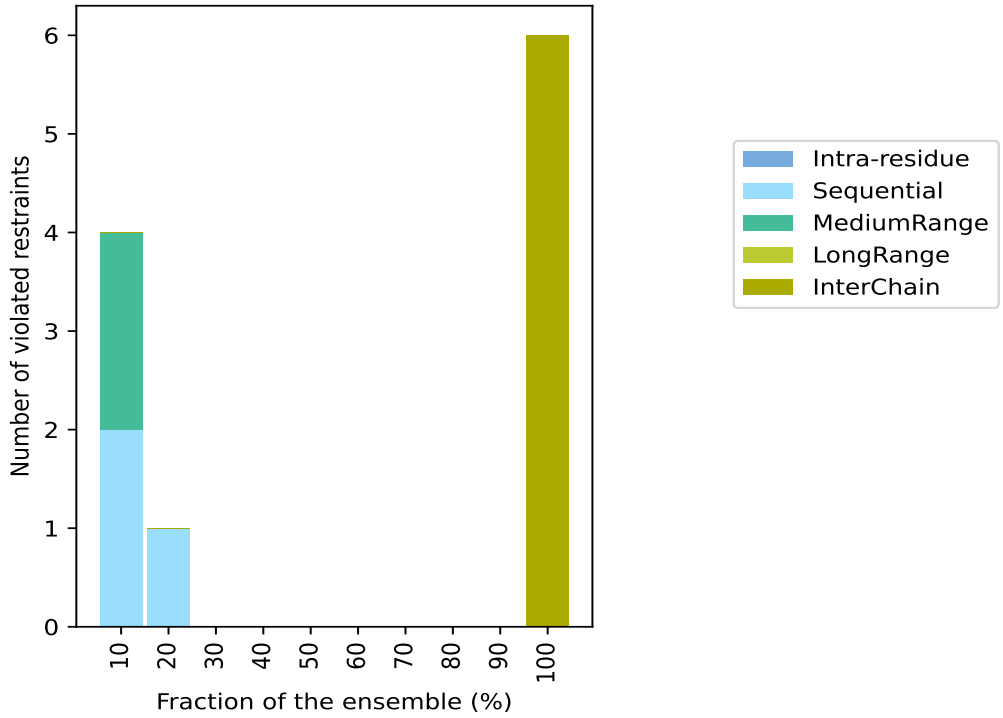
Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
0	0	0	0	0	0	5	50.0
0	0	0	0	0	0	6	60.0
0	0	0	0	0	0	7	70.0
0	0	0	0	0	0	8	80.0
0	0	0	0	0	0	9	90.0
0	0	0	0	6	6	10	100.0

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

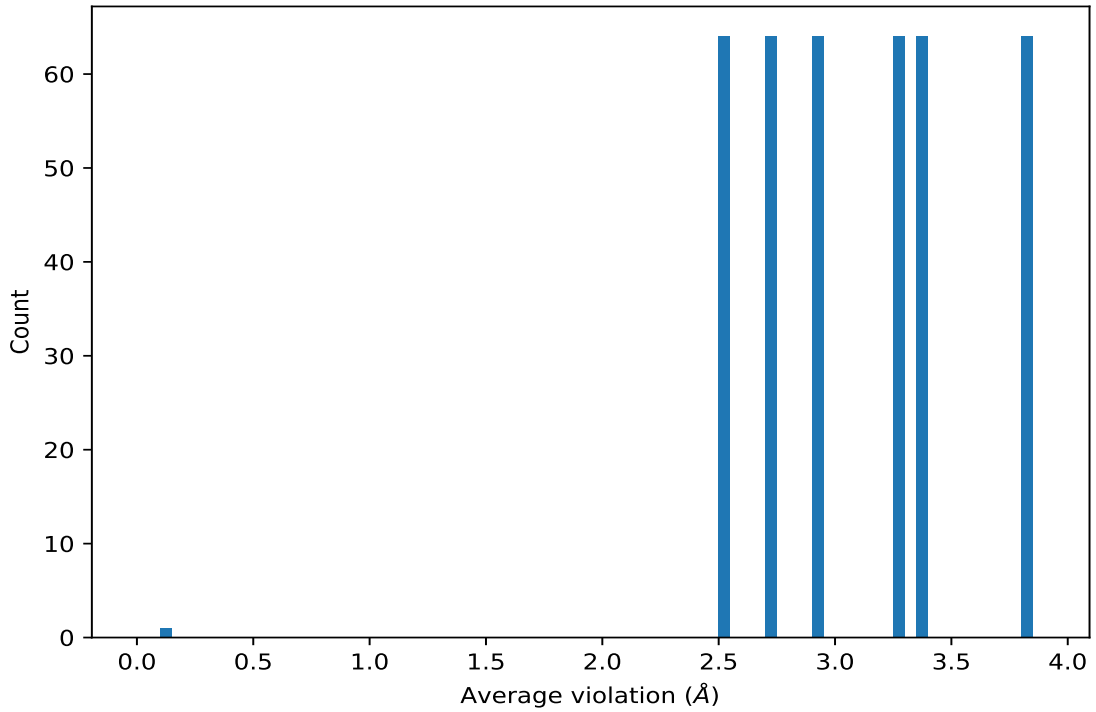
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,5)	1:F:18:ARG:CB	1:L:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:F:18:ARG:CB	1:K:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:F:18:ARG:CB	1:N:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:F:18:ARG:CB	1:J:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:F:18:ARG:CB	1:I:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:F:18:ARG:CB	1:O:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:F:18:ARG:CB	1:P:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:F:18:ARG:CB	1:M:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:E:18:ARG:CB	1:L:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:E:18:ARG:CB	1:K:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:E:18:ARG:CB	1:N:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:E:18:ARG:CB	1:J:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:E:18:ARG:CB	1:I:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:E:18:ARG:CB	1:O:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:E:18:ARG:CB	1:P:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:E:18:ARG:CB	1:M:113:TYR:CE2	10	3.84	0.15	3.85

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,5)	1:D:18:ARG:CB	1:L:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:D:18:ARG:CB	1:K:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:D:18:ARG:CB	1:N:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:D:18:ARG:CB	1:J:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:D:18:ARG:CB	1:I:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:D:18:ARG:CB	1:O:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:D:18:ARG:CB	1:P:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:D:18:ARG:CB	1:M:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:C:18:ARG:CB	1:L:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:C:18:ARG:CB	1:K:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:C:18:ARG:CB	1:N:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:C:18:ARG:CB	1:J:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:C:18:ARG:CB	1:I:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:C:18:ARG:CB	1:O:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:C:18:ARG:CB	1:P:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:C:18:ARG:CB	1:M:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:G:18:ARG:CB	1:L:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:G:18:ARG:CB	1:K:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:G:18:ARG:CB	1:N:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:G:18:ARG:CB	1:J:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:G:18:ARG:CB	1:I:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:G:18:ARG:CB	1:O:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:G:18:ARG:CB	1:P:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:G:18:ARG:CB	1:M:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:H:18:ARG:CB	1:L:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:H:18:ARG:CB	1:K:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:H:18:ARG:CB	1:N:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:H:18:ARG:CB	1:J:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:H:18:ARG:CB	1:I:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:H:18:ARG:CB	1:O:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:H:18:ARG:CB	1:P:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:H:18:ARG:CB	1:M:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:B:18:ARG:CB	1:L:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:B:18:ARG:CB	1:K:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:B:18:ARG:CB	1:N:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:B:18:ARG:CB	1:J:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:B:18:ARG:CB	1:I:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:B:18:ARG:CB	1:O:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:B:18:ARG:CB	1:P:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:B:18:ARG:CB	1:M:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:A:18:ARG:CB	1:L:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:A:18:ARG:CB	1:K:113:TYR:CE2	10	3.84	0.15	3.85

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,5)	1:A:18:ARG:CB	1:N:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:A:18:ARG:CB	1:J:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:A:18:ARG:CB	1:I:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:A:18:ARG:CB	1:O:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:A:18:ARG:CB	1:P:113:TYR:CE2	10	3.84	0.15	3.85
(2,5)	1:A:18:ARG:CB	1:M:113:TYR:CE2	10	3.84	0.15	3.85
(2,3)	1:C:13:TYR:CE2	1:I:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:C:13:TYR:CE2	1:O:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:C:13:TYR:CE2	1:P:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:C:13:TYR:CE2	1:N:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:C:13:TYR:CE2	1:M:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:C:13:TYR:CE2	1:J:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:C:13:TYR:CE2	1:K:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:C:13:TYR:CE2	1:L:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:H:13:TYR:CE2	1:I:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:H:13:TYR:CE2	1:O:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:H:13:TYR:CE2	1:P:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:H:13:TYR:CE2	1:N:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:H:13:TYR:CE2	1:M:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:H:13:TYR:CE2	1:J:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:H:13:TYR:CE2	1:K:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:H:13:TYR:CE2	1:L:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:B:13:TYR:CE2	1:I:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:B:13:TYR:CE2	1:O:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:B:13:TYR:CE2	1:P:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:B:13:TYR:CE2	1:N:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:B:13:TYR:CE2	1:M:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:B:13:TYR:CE2	1:J:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:B:13:TYR:CE2	1:K:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:B:13:TYR:CE2	1:L:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:A:13:TYR:CE2	1:I:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:A:13:TYR:CE2	1:O:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:A:13:TYR:CE2	1:P:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:A:13:TYR:CE2	1:N:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:A:13:TYR:CE2	1:M:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:A:13:TYR:CE2	1:J:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:A:13:TYR:CE2	1:K:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:A:13:TYR:CE2	1:L:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:G:13:TYR:CE2	1:I:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:G:13:TYR:CE2	1:O:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:G:13:TYR:CE2	1:P:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:G:13:TYR:CE2	1:N:118:ARG:CB	10	3.38	0.14	3.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3)	1:G:13:TYR:CE2	1:M:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:G:13:TYR:CE2	1:J:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:G:13:TYR:CE2	1:K:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:G:13:TYR:CE2	1:L:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:F:13:TYR:CE2	1:I:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:F:13:TYR:CE2	1:O:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:F:13:TYR:CE2	1:P:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:F:13:TYR:CE2	1:N:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:F:13:TYR:CE2	1:M:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:F:13:TYR:CE2	1:J:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:F:13:TYR:CE2	1:K:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:F:13:TYR:CE2	1:L:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:E:13:TYR:CE2	1:I:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:E:13:TYR:CE2	1:O:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:E:13:TYR:CE2	1:P:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:E:13:TYR:CE2	1:N:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:E:13:TYR:CE2	1:M:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:E:13:TYR:CE2	1:J:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:E:13:TYR:CE2	1:K:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:E:13:TYR:CE2	1:L:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:D:13:TYR:CE2	1:I:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:D:13:TYR:CE2	1:O:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:D:13:TYR:CE2	1:P:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:D:13:TYR:CE2	1:N:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:D:13:TYR:CE2	1:M:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:D:13:TYR:CE2	1:J:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:D:13:TYR:CE2	1:K:118:ARG:CB	10	3.38	0.14	3.4
(2,3)	1:D:13:TYR:CE2	1:L:118:ARG:CB	10	3.38	0.14	3.4
(2,4)	1:F:18:ARG:CB	1:L:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:F:18:ARG:CB	1:K:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:F:18:ARG:CB	1:N:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:F:18:ARG:CB	1:J:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:F:18:ARG:CB	1:I:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:F:18:ARG:CB	1:O:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:F:18:ARG:CB	1:P:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:F:18:ARG:CB	1:M:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:E:18:ARG:CB	1:L:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:E:18:ARG:CB	1:K:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:E:18:ARG:CB	1:N:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:E:18:ARG:CB	1:J:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:E:18:ARG:CB	1:I:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:E:18:ARG:CB	1:O:113:TYR:CD2	10	3.29	0.1	3.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4)	1:E:18:ARG:CB	1:P:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:E:18:ARG:CB	1:M:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:D:18:ARG:CB	1:L:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:D:18:ARG:CB	1:K:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:D:18:ARG:CB	1:N:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:D:18:ARG:CB	1:J:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:D:18:ARG:CB	1:I:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:D:18:ARG:CB	1:O:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:D:18:ARG:CB	1:P:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:D:18:ARG:CB	1:M:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:C:18:ARG:CB	1:L:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:C:18:ARG:CB	1:K:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:C:18:ARG:CB	1:N:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:C:18:ARG:CB	1:J:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:C:18:ARG:CB	1:I:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:C:18:ARG:CB	1:O:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:C:18:ARG:CB	1:P:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:C:18:ARG:CB	1:M:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:G:18:ARG:CB	1:L:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:G:18:ARG:CB	1:K:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:G:18:ARG:CB	1:N:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:G:18:ARG:CB	1:J:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:G:18:ARG:CB	1:I:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:G:18:ARG:CB	1:O:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:G:18:ARG:CB	1:P:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:G:18:ARG:CB	1:M:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:H:18:ARG:CB	1:L:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:H:18:ARG:CB	1:K:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:H:18:ARG:CB	1:N:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:H:18:ARG:CB	1:J:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:H:18:ARG:CB	1:I:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:H:18:ARG:CB	1:O:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:H:18:ARG:CB	1:P:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:H:18:ARG:CB	1:M:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:B:18:ARG:CB	1:L:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:B:18:ARG:CB	1:K:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:B:18:ARG:CB	1:N:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:B:18:ARG:CB	1:J:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:B:18:ARG:CB	1:I:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:B:18:ARG:CB	1:O:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:B:18:ARG:CB	1:P:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:B:18:ARG:CB	1:M:113:TYR:CD2	10	3.29	0.1	3.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4)	1:A:18:ARG:CB	1:L:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:A:18:ARG:CB	1:K:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:A:18:ARG:CB	1:N:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:A:18:ARG:CB	1:J:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:A:18:ARG:CB	1:I:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:A:18:ARG:CB	1:O:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:A:18:ARG:CB	1:P:113:TYR:CD2	10	3.29	0.1	3.29
(2,4)	1:A:18:ARG:CB	1:M:113:TYR:CD2	10	3.29	0.1	3.29
(2,2)	1:C:13:TYR:CD2	1:I:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:C:13:TYR:CD2	1:O:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:C:13:TYR:CD2	1:P:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:C:13:TYR:CD2	1:N:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:C:13:TYR:CD2	1:M:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:C:13:TYR:CD2	1:J:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:C:13:TYR:CD2	1:K:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:C:13:TYR:CD2	1:L:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:H:13:TYR:CD2	1:I:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:H:13:TYR:CD2	1:O:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:H:13:TYR:CD2	1:P:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:H:13:TYR:CD2	1:N:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:H:13:TYR:CD2	1:M:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:H:13:TYR:CD2	1:J:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:H:13:TYR:CD2	1:K:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:H:13:TYR:CD2	1:L:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:B:13:TYR:CD2	1:I:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:B:13:TYR:CD2	1:O:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:B:13:TYR:CD2	1:P:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:B:13:TYR:CD2	1:N:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:B:13:TYR:CD2	1:M:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:B:13:TYR:CD2	1:J:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:B:13:TYR:CD2	1:K:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:B:13:TYR:CD2	1:L:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:A:13:TYR:CD2	1:I:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:A:13:TYR:CD2	1:O:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:A:13:TYR:CD2	1:P:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:A:13:TYR:CD2	1:N:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:A:13:TYR:CD2	1:M:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:A:13:TYR:CD2	1:J:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:A:13:TYR:CD2	1:K:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:A:13:TYR:CD2	1:L:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:G:13:TYR:CD2	1:I:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:G:13:TYR:CD2	1:O:118:ARG:CB	10	2.93	0.09	2.9

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2)	1:G:13:TYR:CD2	1:P:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:G:13:TYR:CD2	1:N:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:G:13:TYR:CD2	1:M:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:G:13:TYR:CD2	1:J:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:G:13:TYR:CD2	1:K:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:G:13:TYR:CD2	1:L:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:F:13:TYR:CD2	1:I:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:F:13:TYR:CD2	1:O:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:F:13:TYR:CD2	1:P:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:F:13:TYR:CD2	1:N:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:F:13:TYR:CD2	1:M:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:F:13:TYR:CD2	1:J:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:F:13:TYR:CD2	1:K:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:F:13:TYR:CD2	1:L:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:E:13:TYR:CD2	1:I:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:E:13:TYR:CD2	1:O:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:E:13:TYR:CD2	1:P:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:E:13:TYR:CD2	1:N:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:E:13:TYR:CD2	1:M:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:E:13:TYR:CD2	1:J:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:E:13:TYR:CD2	1:K:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:E:13:TYR:CD2	1:L:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:D:13:TYR:CD2	1:I:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:D:13:TYR:CD2	1:O:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:D:13:TYR:CD2	1:P:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:D:13:TYR:CD2	1:N:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:D:13:TYR:CD2	1:M:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:D:13:TYR:CD2	1:J:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:D:13:TYR:CD2	1:K:118:ARG:CB	10	2.93	0.09	2.9
(2,2)	1:D:13:TYR:CD2	1:L:118:ARG:CB	10	2.93	0.09	2.9
(2,6)	1:H:22:PHE:CE2	1:M:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:H:22:PHE:CE2	1:N:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:H:22:PHE:CE2	1:J:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:H:22:PHE:CE2	1:P:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:H:22:PHE:CE2	1:K:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:H:22:PHE:CE2	1:L:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:H:22:PHE:CE2	1:O:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:H:22:PHE:CE2	1:I:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:F:22:PHE:CE2	1:M:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:F:22:PHE:CE2	1:N:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:F:22:PHE:CE2	1:J:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:F:22:PHE:CE2	1:P:109:ASP:CB	10	2.72	0.1	2.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,6)	1:F:22:PHE:CE2	1:K:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:F:22:PHE:CE2	1:L:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:F:22:PHE:CE2	1:O:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:F:22:PHE:CE2	1:I:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:E:22:PHE:CE2	1:M:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:E:22:PHE:CE2	1:N:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:E:22:PHE:CE2	1:J:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:E:22:PHE:CE2	1:P:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:E:22:PHE:CE2	1:K:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:E:22:PHE:CE2	1:L:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:E:22:PHE:CE2	1:O:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:E:22:PHE:CE2	1:I:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:B:22:PHE:CE2	1:M:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:B:22:PHE:CE2	1:N:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:B:22:PHE:CE2	1:J:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:B:22:PHE:CE2	1:P:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:B:22:PHE:CE2	1:K:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:B:22:PHE:CE2	1:L:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:B:22:PHE:CE2	1:O:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:B:22:PHE:CE2	1:I:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:G:22:PHE:CE2	1:M:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:G:22:PHE:CE2	1:N:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:G:22:PHE:CE2	1:J:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:G:22:PHE:CE2	1:P:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:G:22:PHE:CE2	1:K:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:G:22:PHE:CE2	1:L:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:G:22:PHE:CE2	1:O:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:G:22:PHE:CE2	1:I:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:A:22:PHE:CE2	1:M:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:A:22:PHE:CE2	1:N:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:A:22:PHE:CE2	1:J:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:A:22:PHE:CE2	1:P:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:A:22:PHE:CE2	1:K:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:A:22:PHE:CE2	1:L:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:A:22:PHE:CE2	1:O:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:A:22:PHE:CE2	1:I:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:D:22:PHE:CE2	1:M:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:D:22:PHE:CE2	1:N:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:D:22:PHE:CE2	1:J:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:D:22:PHE:CE2	1:P:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:D:22:PHE:CE2	1:K:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:D:22:PHE:CE2	1:L:109:ASP:CB	10	2.72	0.1	2.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,6)	1:D:22:PHE:CE2	1:O:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:D:22:PHE:CE2	1:I:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:C:22:PHE:CE2	1:M:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:C:22:PHE:CE2	1:N:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:C:22:PHE:CE2	1:J:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:C:22:PHE:CE2	1:P:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:C:22:PHE:CE2	1:K:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:C:22:PHE:CE2	1:L:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:C:22:PHE:CE2	1:O:109:ASP:CB	10	2.72	0.1	2.7
(2,6)	1:C:22:PHE:CE2	1:I:109:ASP:CB	10	2.72	0.1	2.7
(2,1)	1:H:9:ASP:CB	1:N:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:H:9:ASP:CB	1:I:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:H:9:ASP:CB	1:P:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:H:9:ASP:CB	1:M:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:H:9:ASP:CB	1:L:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:H:9:ASP:CB	1:K:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:H:9:ASP:CB	1:J:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:H:9:ASP:CB	1:O:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:A:9:ASP:CB	1:N:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:A:9:ASP:CB	1:I:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:A:9:ASP:CB	1:P:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:A:9:ASP:CB	1:M:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:A:9:ASP:CB	1:L:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:A:9:ASP:CB	1:K:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:A:9:ASP:CB	1:J:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:A:9:ASP:CB	1:O:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:F:9:ASP:CB	1:N:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:F:9:ASP:CB	1:I:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:F:9:ASP:CB	1:P:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:F:9:ASP:CB	1:M:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:F:9:ASP:CB	1:L:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:F:9:ASP:CB	1:K:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:F:9:ASP:CB	1:J:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:F:9:ASP:CB	1:O:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:E:9:ASP:CB	1:N:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:E:9:ASP:CB	1:I:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:E:9:ASP:CB	1:P:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:E:9:ASP:CB	1:M:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:E:9:ASP:CB	1:L:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:E:9:ASP:CB	1:K:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:E:9:ASP:CB	1:J:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:E:9:ASP:CB	1:O:122:PHE:CE2	10	2.51	0.09	2.49

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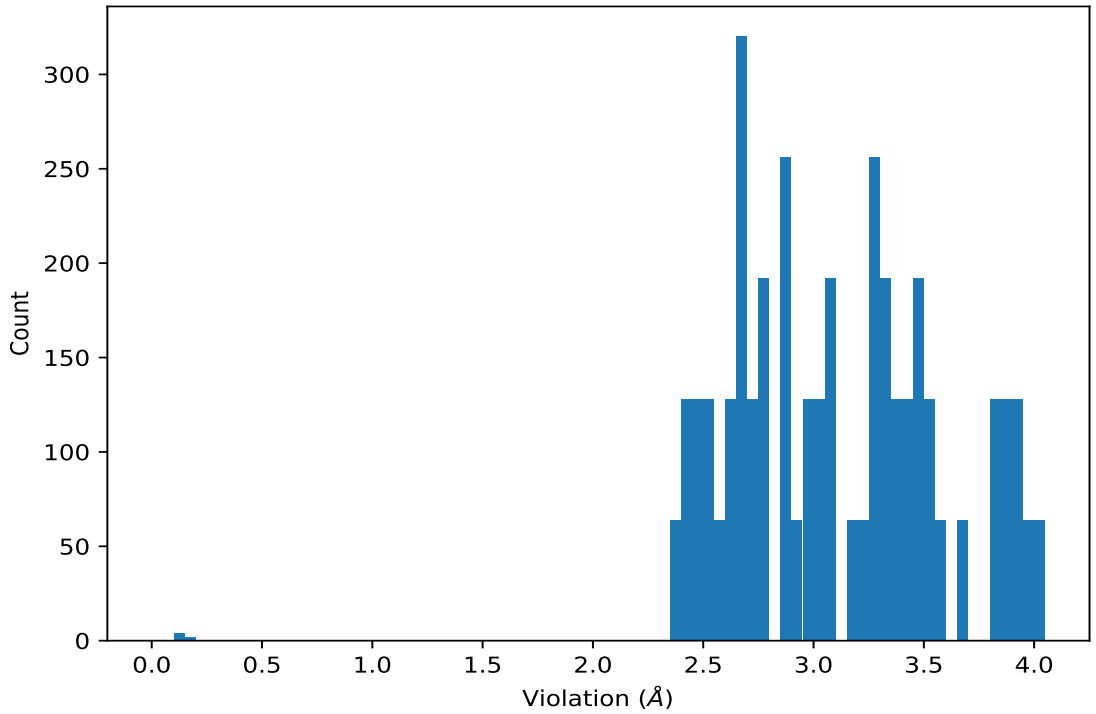
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1)	1:B:9:ASP:CB	1:N:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:B:9:ASP:CB	1:I:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:B:9:ASP:CB	1:P:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:B:9:ASP:CB	1:M:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:B:9:ASP:CB	1:L:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:B:9:ASP:CB	1:K:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:B:9:ASP:CB	1:J:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:B:9:ASP:CB	1:O:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:G:9:ASP:CB	1:N:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:G:9:ASP:CB	1:I:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:G:9:ASP:CB	1:P:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:G:9:ASP:CB	1:M:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:G:9:ASP:CB	1:L:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:G:9:ASP:CB	1:K:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:G:9:ASP:CB	1:J:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:G:9:ASP:CB	1:O:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:D:9:ASP:CB	1:N:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:D:9:ASP:CB	1:I:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:D:9:ASP:CB	1:P:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:D:9:ASP:CB	1:M:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:D:9:ASP:CB	1:L:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:D:9:ASP:CB	1:K:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:D:9:ASP:CB	1:J:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:D:9:ASP:CB	1:O:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:C:9:ASP:CB	1:N:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:C:9:ASP:CB	1:I:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:C:9:ASP:CB	1:P:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:C:9:ASP:CB	1:M:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:C:9:ASP:CB	1:L:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:C:9:ASP:CB	1:K:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:C:9:ASP:CB	1:J:122:PHE:CE2	10	2.51	0.09	2.49
(2,1)	1:C:9:ASP:CB	1:O:122:PHE:CE2	10	2.51	0.09	2.49
(1,459)	1:A:24:GLN:CG	1:A:25:TRP:CH2	2	0.11	0.0	0.11

[1]Number of violated models, [2]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 ⓘ

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)
(2,5)	1:F:18:ARG:CB	1:L:113:TYR:CE2	1	4.05
(2,5)	1:F:18:ARG:CB	1:K:113:TYR:CE2	1	4.05
(2,5)	1:F:18:ARG:CB	1:N:113:TYR:CE2	1	4.05
(2,5)	1:F:18:ARG:CB	1:J:113:TYR:CE2	1	4.05
(2,5)	1:F:18:ARG:CB	1:I:113:TYR:CE2	1	4.05
(2,5)	1:F:18:ARG:CB	1:O:113:TYR:CE2	1	4.05
(2,5)	1:F:18:ARG:CB	1:P:113:TYR:CE2	1	4.05
(2,5)	1:F:18:ARG:CB	1:M:113:TYR:CE2	1	4.05
(2,5)	1:E:18:ARG:CB	1:L:113:TYR:CE2	1	4.05
(2,5)	1:E:18:ARG:CB	1:K:113:TYR:CE2	1	4.05
(2,5)	1:E:18:ARG:CB	1:N:113:TYR:CE2	1	4.05
(2,5)	1:E:18:ARG:CB	1:J:113:TYR:CE2	1	4.05
(2,5)	1:E:18:ARG:CB	1:I:113:TYR:CE2	1	4.05
(2,5)	1:E:18:ARG:CB	1:O:113:TYR:CE2	1	4.05
(2,5)	1:E:18:ARG:CB	1:P:113:TYR:CE2	1	4.05
(2,5)	1:E:18:ARG:CB	1:M:113:TYR:CE2	1	4.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:D:18:ARG:CB	1:L:113:TYR:CE2	1	4.05
(2,5)	1:D:18:ARG:CB	1:K:113:TYR:CE2	1	4.05
(2,5)	1:D:18:ARG:CB	1:N:113:TYR:CE2	1	4.05
(2,5)	1:D:18:ARG:CB	1:J:113:TYR:CE2	1	4.05
(2,5)	1:D:18:ARG:CB	1:I:113:TYR:CE2	1	4.05
(2,5)	1:D:18:ARG:CB	1:O:113:TYR:CE2	1	4.05
(2,5)	1:D:18:ARG:CB	1:P:113:TYR:CE2	1	4.05
(2,5)	1:D:18:ARG:CB	1:M:113:TYR:CE2	1	4.05
(2,5)	1:C:18:ARG:CB	1:L:113:TYR:CE2	1	4.05
(2,5)	1:C:18:ARG:CB	1:K:113:TYR:CE2	1	4.05
(2,5)	1:C:18:ARG:CB	1:N:113:TYR:CE2	1	4.05
(2,5)	1:C:18:ARG:CB	1:J:113:TYR:CE2	1	4.05
(2,5)	1:C:18:ARG:CB	1:I:113:TYR:CE2	1	4.05
(2,5)	1:C:18:ARG:CB	1:O:113:TYR:CE2	1	4.05
(2,5)	1:C:18:ARG:CB	1:P:113:TYR:CE2	1	4.05
(2,5)	1:C:18:ARG:CB	1:M:113:TYR:CE2	1	4.05
(2,5)	1:G:18:ARG:CB	1:L:113:TYR:CE2	1	4.05
(2,5)	1:G:18:ARG:CB	1:K:113:TYR:CE2	1	4.05
(2,5)	1:G:18:ARG:CB	1:N:113:TYR:CE2	1	4.05
(2,5)	1:G:18:ARG:CB	1:J:113:TYR:CE2	1	4.05
(2,5)	1:G:18:ARG:CB	1:I:113:TYR:CE2	1	4.05
(2,5)	1:G:18:ARG:CB	1:O:113:TYR:CE2	1	4.05
(2,5)	1:G:18:ARG:CB	1:P:113:TYR:CE2	1	4.05
(2,5)	1:G:18:ARG:CB	1:M:113:TYR:CE2	1	4.05
(2,5)	1:H:18:ARG:CB	1:L:113:TYR:CE2	1	4.05
(2,5)	1:H:18:ARG:CB	1:K:113:TYR:CE2	1	4.05
(2,5)	1:H:18:ARG:CB	1:N:113:TYR:CE2	1	4.05
(2,5)	1:H:18:ARG:CB	1:J:113:TYR:CE2	1	4.05
(2,5)	1:H:18:ARG:CB	1:I:113:TYR:CE2	1	4.05
(2,5)	1:H:18:ARG:CB	1:O:113:TYR:CE2	1	4.05
(2,5)	1:H:18:ARG:CB	1:P:113:TYR:CE2	1	4.05
(2,5)	1:H:18:ARG:CB	1:M:113:TYR:CE2	1	4.05
(2,5)	1:B:18:ARG:CB	1:L:113:TYR:CE2	1	4.05
(2,5)	1:B:18:ARG:CB	1:K:113:TYR:CE2	1	4.05
(2,5)	1:B:18:ARG:CB	1:N:113:TYR:CE2	1	4.05
(2,5)	1:B:18:ARG:CB	1:J:113:TYR:CE2	1	4.05
(2,5)	1:B:18:ARG:CB	1:I:113:TYR:CE2	1	4.05
(2,5)	1:B:18:ARG:CB	1:O:113:TYR:CE2	1	4.05
(2,5)	1:B:18:ARG:CB	1:P:113:TYR:CE2	1	4.05
(2,5)	1:B:18:ARG:CB	1:M:113:TYR:CE2	1	4.05
(2,5)	1:A:18:ARG:CB	1:L:113:TYR:CE2	1	4.05
(2,5)	1:A:18:ARG:CB	1:K:113:TYR:CE2	1	4.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:A:18:ARG:CB	1:N:113:TYR:CE2	1	4.05
(2,5)	1:A:18:ARG:CB	1:J:113:TYR:CE2	1	4.05
(2,5)	1:A:18:ARG:CB	1:I:113:TYR:CE2	1	4.05
(2,5)	1:A:18:ARG:CB	1:O:113:TYR:CE2	1	4.05
(2,5)	1:A:18:ARG:CB	1:P:113:TYR:CE2	1	4.05
(2,5)	1:A:18:ARG:CB	1:M:113:TYR:CE2	1	4.05
(2,5)	1:F:18:ARG:CB	1:L:113:TYR:CE2	2	3.96
(2,5)	1:F:18:ARG:CB	1:K:113:TYR:CE2	2	3.96
(2,5)	1:F:18:ARG:CB	1:N:113:TYR:CE2	2	3.96
(2,5)	1:F:18:ARG:CB	1:J:113:TYR:CE2	2	3.96
(2,5)	1:F:18:ARG:CB	1:I:113:TYR:CE2	2	3.96
(2,5)	1:F:18:ARG:CB	1:O:113:TYR:CE2	2	3.96
(2,5)	1:F:18:ARG:CB	1:P:113:TYR:CE2	2	3.96
(2,5)	1:F:18:ARG:CB	1:M:113:TYR:CE2	2	3.96
(2,5)	1:E:18:ARG:CB	1:L:113:TYR:CE2	2	3.96
(2,5)	1:E:18:ARG:CB	1:K:113:TYR:CE2	2	3.96
(2,5)	1:E:18:ARG:CB	1:N:113:TYR:CE2	2	3.96
(2,5)	1:E:18:ARG:CB	1:J:113:TYR:CE2	2	3.96
(2,5)	1:E:18:ARG:CB	1:I:113:TYR:CE2	2	3.96
(2,5)	1:E:18:ARG:CB	1:O:113:TYR:CE2	2	3.96
(2,5)	1:E:18:ARG:CB	1:P:113:TYR:CE2	2	3.96
(2,5)	1:E:18:ARG:CB	1:M:113:TYR:CE2	2	3.96
(2,5)	1:D:18:ARG:CB	1:L:113:TYR:CE2	2	3.96
(2,5)	1:D:18:ARG:CB	1:K:113:TYR:CE2	2	3.96
(2,5)	1:D:18:ARG:CB	1:N:113:TYR:CE2	2	3.96
(2,5)	1:D:18:ARG:CB	1:J:113:TYR:CE2	2	3.96
(2,5)	1:D:18:ARG:CB	1:I:113:TYR:CE2	2	3.96
(2,5)	1:D:18:ARG:CB	1:O:113:TYR:CE2	2	3.96
(2,5)	1:D:18:ARG:CB	1:P:113:TYR:CE2	2	3.96
(2,5)	1:D:18:ARG:CB	1:M:113:TYR:CE2	2	3.96
(2,5)	1:C:18:ARG:CB	1:L:113:TYR:CE2	2	3.96
(2,5)	1:C:18:ARG:CB	1:K:113:TYR:CE2	2	3.96
(2,5)	1:C:18:ARG:CB	1:N:113:TYR:CE2	2	3.96
(2,5)	1:C:18:ARG:CB	1:J:113:TYR:CE2	2	3.96
(2,5)	1:C:18:ARG:CB	1:I:113:TYR:CE2	2	3.96
(2,5)	1:C:18:ARG:CB	1:O:113:TYR:CE2	2	3.96
(2,5)	1:C:18:ARG:CB	1:P:113:TYR:CE2	2	3.96
(2,5)	1:C:18:ARG:CB	1:M:113:TYR:CE2	2	3.96
(2,5)	1:G:18:ARG:CB	1:L:113:TYR:CE2	2	3.96
(2,5)	1:G:18:ARG:CB	1:K:113:TYR:CE2	2	3.96
(2,5)	1:G:18:ARG:CB	1:N:113:TYR:CE2	2	3.96
(2,5)	1:G:18:ARG:CB	1:J:113:TYR:CE2	2	3.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:G:18:ARG:CB	1:I:113:TYR:CE2	2	3.96
(2,5)	1:G:18:ARG:CB	1:O:113:TYR:CE2	2	3.96
(2,5)	1:G:18:ARG:CB	1:P:113:TYR:CE2	2	3.96
(2,5)	1:G:18:ARG:CB	1:M:113:TYR:CE2	2	3.96
(2,5)	1:H:18:ARG:CB	1:L:113:TYR:CE2	2	3.96
(2,5)	1:H:18:ARG:CB	1:K:113:TYR:CE2	2	3.96
(2,5)	1:H:18:ARG:CB	1:N:113:TYR:CE2	2	3.96
(2,5)	1:H:18:ARG:CB	1:J:113:TYR:CE2	2	3.96
(2,5)	1:H:18:ARG:CB	1:I:113:TYR:CE2	2	3.96
(2,5)	1:H:18:ARG:CB	1:O:113:TYR:CE2	2	3.96
(2,5)	1:H:18:ARG:CB	1:P:113:TYR:CE2	2	3.96
(2,5)	1:H:18:ARG:CB	1:M:113:TYR:CE2	2	3.96
(2,5)	1:B:18:ARG:CB	1:L:113:TYR:CE2	2	3.96
(2,5)	1:B:18:ARG:CB	1:K:113:TYR:CE2	2	3.96
(2,5)	1:B:18:ARG:CB	1:N:113:TYR:CE2	2	3.96
(2,5)	1:B:18:ARG:CB	1:J:113:TYR:CE2	2	3.96
(2,5)	1:B:18:ARG:CB	1:I:113:TYR:CE2	2	3.96
(2,5)	1:B:18:ARG:CB	1:O:113:TYR:CE2	2	3.96
(2,5)	1:B:18:ARG:CB	1:P:113:TYR:CE2	2	3.96
(2,5)	1:B:18:ARG:CB	1:M:113:TYR:CE2	2	3.96
(2,5)	1:A:18:ARG:CB	1:L:113:TYR:CE2	2	3.96
(2,5)	1:A:18:ARG:CB	1:K:113:TYR:CE2	2	3.96
(2,5)	1:A:18:ARG:CB	1:N:113:TYR:CE2	2	3.96
(2,5)	1:A:18:ARG:CB	1:J:113:TYR:CE2	2	3.96
(2,5)	1:A:18:ARG:CB	1:I:113:TYR:CE2	2	3.96
(2,5)	1:A:18:ARG:CB	1:O:113:TYR:CE2	2	3.96
(2,5)	1:A:18:ARG:CB	1:P:113:TYR:CE2	2	3.96
(2,5)	1:A:18:ARG:CB	1:M:113:TYR:CE2	2	3.96
(2,5)	1:F:18:ARG:CB	1:L:113:TYR:CE2	5	3.93
(2,5)	1:F:18:ARG:CB	1:K:113:TYR:CE2	5	3.93
(2,5)	1:F:18:ARG:CB	1:N:113:TYR:CE2	5	3.93
(2,5)	1:F:18:ARG:CB	1:J:113:TYR:CE2	5	3.93
(2,5)	1:F:18:ARG:CB	1:I:113:TYR:CE2	5	3.93
(2,5)	1:F:18:ARG:CB	1:O:113:TYR:CE2	5	3.93
(2,5)	1:F:18:ARG:CB	1:P:113:TYR:CE2	5	3.93
(2,5)	1:F:18:ARG:CB	1:M:113:TYR:CE2	5	3.93
(2,5)	1:E:18:ARG:CB	1:L:113:TYR:CE2	5	3.93
(2,5)	1:E:18:ARG:CB	1:K:113:TYR:CE2	5	3.93
(2,5)	1:E:18:ARG:CB	1:N:113:TYR:CE2	5	3.93
(2,5)	1:E:18:ARG:CB	1:J:113:TYR:CE2	5	3.93
(2,5)	1:E:18:ARG:CB	1:I:113:TYR:CE2	5	3.93
(2,5)	1:E:18:ARG:CB	1:O:113:TYR:CE2	5	3.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:E:18:ARG:CB	1:P:113:TYR:CE2	5	3.93
(2,5)	1:E:18:ARG:CB	1:M:113:TYR:CE2	5	3.93
(2,5)	1:D:18:ARG:CB	1:L:113:TYR:CE2	5	3.93
(2,5)	1:D:18:ARG:CB	1:K:113:TYR:CE2	5	3.93
(2,5)	1:D:18:ARG:CB	1:N:113:TYR:CE2	5	3.93
(2,5)	1:D:18:ARG:CB	1:J:113:TYR:CE2	5	3.93
(2,5)	1:D:18:ARG:CB	1:I:113:TYR:CE2	5	3.93
(2,5)	1:D:18:ARG:CB	1:O:113:TYR:CE2	5	3.93
(2,5)	1:D:18:ARG:CB	1:P:113:TYR:CE2	5	3.93
(2,5)	1:D:18:ARG:CB	1:M:113:TYR:CE2	5	3.93
(2,5)	1:C:18:ARG:CB	1:L:113:TYR:CE2	5	3.93
(2,5)	1:C:18:ARG:CB	1:K:113:TYR:CE2	5	3.93
(2,5)	1:C:18:ARG:CB	1:N:113:TYR:CE2	5	3.93
(2,5)	1:C:18:ARG:CB	1:J:113:TYR:CE2	5	3.93
(2,5)	1:C:18:ARG:CB	1:I:113:TYR:CE2	5	3.93
(2,5)	1:C:18:ARG:CB	1:O:113:TYR:CE2	5	3.93
(2,5)	1:C:18:ARG:CB	1:P:113:TYR:CE2	5	3.93
(2,5)	1:C:18:ARG:CB	1:M:113:TYR:CE2	5	3.93
(2,5)	1:G:18:ARG:CB	1:L:113:TYR:CE2	5	3.93
(2,5)	1:G:18:ARG:CB	1:K:113:TYR:CE2	5	3.93
(2,5)	1:G:18:ARG:CB	1:N:113:TYR:CE2	5	3.93
(2,5)	1:G:18:ARG:CB	1:J:113:TYR:CE2	5	3.93
(2,5)	1:G:18:ARG:CB	1:I:113:TYR:CE2	5	3.93
(2,5)	1:G:18:ARG:CB	1:O:113:TYR:CE2	5	3.93
(2,5)	1:G:18:ARG:CB	1:P:113:TYR:CE2	5	3.93
(2,5)	1:G:18:ARG:CB	1:M:113:TYR:CE2	5	3.93
(2,5)	1:H:18:ARG:CB	1:L:113:TYR:CE2	5	3.93
(2,5)	1:H:18:ARG:CB	1:K:113:TYR:CE2	5	3.93
(2,5)	1:H:18:ARG:CB	1:N:113:TYR:CE2	5	3.93
(2,5)	1:H:18:ARG:CB	1:J:113:TYR:CE2	5	3.93
(2,5)	1:H:18:ARG:CB	1:I:113:TYR:CE2	5	3.93
(2,5)	1:H:18:ARG:CB	1:O:113:TYR:CE2	5	3.93
(2,5)	1:H:18:ARG:CB	1:P:113:TYR:CE2	5	3.93
(2,5)	1:H:18:ARG:CB	1:M:113:TYR:CE2	5	3.93
(2,5)	1:B:18:ARG:CB	1:L:113:TYR:CE2	5	3.93
(2,5)	1:B:18:ARG:CB	1:K:113:TYR:CE2	5	3.93
(2,5)	1:B:18:ARG:CB	1:N:113:TYR:CE2	5	3.93
(2,5)	1:B:18:ARG:CB	1:J:113:TYR:CE2	5	3.93
(2,5)	1:B:18:ARG:CB	1:I:113:TYR:CE2	5	3.93
(2,5)	1:B:18:ARG:CB	1:O:113:TYR:CE2	5	3.93
(2,5)	1:B:18:ARG:CB	1:P:113:TYR:CE2	5	3.93
(2,5)	1:B:18:ARG:CB	1:M:113:TYR:CE2	5	3.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:A:18:ARG:CB	1:L:113:TYR:CE2	5	3.93
(2,5)	1:A:18:ARG:CB	1:K:113:TYR:CE2	5	3.93
(2,5)	1:A:18:ARG:CB	1:N:113:TYR:CE2	5	3.93
(2,5)	1:A:18:ARG:CB	1:J:113:TYR:CE2	5	3.93
(2,5)	1:A:18:ARG:CB	1:I:113:TYR:CE2	5	3.93
(2,5)	1:A:18:ARG:CB	1:O:113:TYR:CE2	5	3.93
(2,5)	1:A:18:ARG:CB	1:P:113:TYR:CE2	5	3.93
(2,5)	1:A:18:ARG:CB	1:M:113:TYR:CE2	5	3.93
(2,5)	1:F:18:ARG:CB	1:L:113:TYR:CE2	4	3.92
(2,5)	1:F:18:ARG:CB	1:K:113:TYR:CE2	4	3.92
(2,5)	1:F:18:ARG:CB	1:N:113:TYR:CE2	4	3.92
(2,5)	1:F:18:ARG:CB	1:J:113:TYR:CE2	4	3.92
(2,5)	1:F:18:ARG:CB	1:I:113:TYR:CE2	4	3.92
(2,5)	1:F:18:ARG:CB	1:O:113:TYR:CE2	4	3.92
(2,5)	1:F:18:ARG:CB	1:P:113:TYR:CE2	4	3.92
(2,5)	1:F:18:ARG:CB	1:M:113:TYR:CE2	4	3.92
(2,5)	1:E:18:ARG:CB	1:L:113:TYR:CE2	4	3.92
(2,5)	1:E:18:ARG:CB	1:K:113:TYR:CE2	4	3.92
(2,5)	1:E:18:ARG:CB	1:N:113:TYR:CE2	4	3.92
(2,5)	1:E:18:ARG:CB	1:J:113:TYR:CE2	4	3.92
(2,5)	1:E:18:ARG:CB	1:I:113:TYR:CE2	4	3.92
(2,5)	1:E:18:ARG:CB	1:O:113:TYR:CE2	4	3.92
(2,5)	1:E:18:ARG:CB	1:P:113:TYR:CE2	4	3.92
(2,5)	1:E:18:ARG:CB	1:M:113:TYR:CE2	4	3.92
(2,5)	1:D:18:ARG:CB	1:L:113:TYR:CE2	4	3.92
(2,5)	1:D:18:ARG:CB	1:K:113:TYR:CE2	4	3.92
(2,5)	1:D:18:ARG:CB	1:N:113:TYR:CE2	4	3.92
(2,5)	1:D:18:ARG:CB	1:J:113:TYR:CE2	4	3.92
(2,5)	1:D:18:ARG:CB	1:I:113:TYR:CE2	4	3.92
(2,5)	1:D:18:ARG:CB	1:O:113:TYR:CE2	4	3.92
(2,5)	1:D:18:ARG:CB	1:P:113:TYR:CE2	4	3.92
(2,5)	1:D:18:ARG:CB	1:M:113:TYR:CE2	4	3.92
(2,5)	1:C:18:ARG:CB	1:L:113:TYR:CE2	4	3.92
(2,5)	1:C:18:ARG:CB	1:K:113:TYR:CE2	4	3.92
(2,5)	1:C:18:ARG:CB	1:N:113:TYR:CE2	4	3.92
(2,5)	1:C:18:ARG:CB	1:J:113:TYR:CE2	4	3.92
(2,5)	1:C:18:ARG:CB	1:I:113:TYR:CE2	4	3.92
(2,5)	1:C:18:ARG:CB	1:O:113:TYR:CE2	4	3.92
(2,5)	1:C:18:ARG:CB	1:P:113:TYR:CE2	4	3.92
(2,5)	1:C:18:ARG:CB	1:M:113:TYR:CE2	4	3.92
(2,5)	1:G:18:ARG:CB	1:L:113:TYR:CE2	4	3.92
(2,5)	1:G:18:ARG:CB	1:K:113:TYR:CE2	4	3.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:G:18:ARG:CB	1:N:113:TYR:CE2	4	3.92
(2,5)	1:G:18:ARG:CB	1:J:113:TYR:CE2	4	3.92
(2,5)	1:G:18:ARG:CB	1:I:113:TYR:CE2	4	3.92
(2,5)	1:G:18:ARG:CB	1:O:113:TYR:CE2	4	3.92
(2,5)	1:G:18:ARG:CB	1:P:113:TYR:CE2	4	3.92
(2,5)	1:G:18:ARG:CB	1:M:113:TYR:CE2	4	3.92
(2,5)	1:H:18:ARG:CB	1:L:113:TYR:CE2	4	3.92
(2,5)	1:H:18:ARG:CB	1:K:113:TYR:CE2	4	3.92
(2,5)	1:H:18:ARG:CB	1:N:113:TYR:CE2	4	3.92
(2,5)	1:H:18:ARG:CB	1:J:113:TYR:CE2	4	3.92
(2,5)	1:H:18:ARG:CB	1:I:113:TYR:CE2	4	3.92
(2,5)	1:H:18:ARG:CB	1:O:113:TYR:CE2	4	3.92
(2,5)	1:H:18:ARG:CB	1:P:113:TYR:CE2	4	3.92
(2,5)	1:H:18:ARG:CB	1:M:113:TYR:CE2	4	3.92
(2,5)	1:B:18:ARG:CB	1:L:113:TYR:CE2	4	3.92
(2,5)	1:B:18:ARG:CB	1:K:113:TYR:CE2	4	3.92
(2,5)	1:B:18:ARG:CB	1:N:113:TYR:CE2	4	3.92
(2,5)	1:B:18:ARG:CB	1:J:113:TYR:CE2	4	3.92
(2,5)	1:B:18:ARG:CB	1:I:113:TYR:CE2	4	3.92
(2,5)	1:B:18:ARG:CB	1:O:113:TYR:CE2	4	3.92
(2,5)	1:B:18:ARG:CB	1:P:113:TYR:CE2	4	3.92
(2,5)	1:B:18:ARG:CB	1:M:113:TYR:CE2	4	3.92
(2,5)	1:A:18:ARG:CB	1:L:113:TYR:CE2	4	3.92
(2,5)	1:A:18:ARG:CB	1:K:113:TYR:CE2	4	3.92
(2,5)	1:A:18:ARG:CB	1:N:113:TYR:CE2	4	3.92
(2,5)	1:A:18:ARG:CB	1:J:113:TYR:CE2	4	3.92
(2,5)	1:A:18:ARG:CB	1:I:113:TYR:CE2	4	3.92
(2,5)	1:A:18:ARG:CB	1:O:113:TYR:CE2	4	3.92
(2,5)	1:A:18:ARG:CB	1:P:113:TYR:CE2	4	3.92
(2,5)	1:A:18:ARG:CB	1:M:113:TYR:CE2	4	3.92
(2,5)	1:F:18:ARG:CB	1:L:113:TYR:CE2	7	3.85
(2,5)	1:F:18:ARG:CB	1:K:113:TYR:CE2	7	3.85
(2,5)	1:F:18:ARG:CB	1:N:113:TYR:CE2	7	3.85
(2,5)	1:F:18:ARG:CB	1:J:113:TYR:CE2	7	3.85
(2,5)	1:F:18:ARG:CB	1:I:113:TYR:CE2	7	3.85
(2,5)	1:F:18:ARG:CB	1:O:113:TYR:CE2	7	3.85
(2,5)	1:F:18:ARG:CB	1:P:113:TYR:CE2	7	3.85
(2,5)	1:F:18:ARG:CB	1:M:113:TYR:CE2	7	3.85
(2,5)	1:E:18:ARG:CB	1:L:113:TYR:CE2	7	3.85
(2,5)	1:E:18:ARG:CB	1:K:113:TYR:CE2	7	3.85
(2,5)	1:E:18:ARG:CB	1:N:113:TYR:CE2	7	3.85
(2,5)	1:E:18:ARG:CB	1:J:113:TYR:CE2	7	3.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:E:18:ARG:CB	1:I:113:TYR:CE2	7	3.85
(2,5)	1:E:18:ARG:CB	1:O:113:TYR:CE2	7	3.85
(2,5)	1:E:18:ARG:CB	1:P:113:TYR:CE2	7	3.85
(2,5)	1:E:18:ARG:CB	1:M:113:TYR:CE2	7	3.85
(2,5)	1:D:18:ARG:CB	1:L:113:TYR:CE2	7	3.85
(2,5)	1:D:18:ARG:CB	1:K:113:TYR:CE2	7	3.85
(2,5)	1:D:18:ARG:CB	1:N:113:TYR:CE2	7	3.85
(2,5)	1:D:18:ARG:CB	1:J:113:TYR:CE2	7	3.85
(2,5)	1:D:18:ARG:CB	1:I:113:TYR:CE2	7	3.85
(2,5)	1:D:18:ARG:CB	1:O:113:TYR:CE2	7	3.85
(2,5)	1:D:18:ARG:CB	1:P:113:TYR:CE2	7	3.85
(2,5)	1:D:18:ARG:CB	1:M:113:TYR:CE2	7	3.85
(2,5)	1:C:18:ARG:CB	1:L:113:TYR:CE2	7	3.85
(2,5)	1:C:18:ARG:CB	1:K:113:TYR:CE2	7	3.85
(2,5)	1:C:18:ARG:CB	1:N:113:TYR:CE2	7	3.85
(2,5)	1:C:18:ARG:CB	1:J:113:TYR:CE2	7	3.85
(2,5)	1:C:18:ARG:CB	1:I:113:TYR:CE2	7	3.85
(2,5)	1:C:18:ARG:CB	1:O:113:TYR:CE2	7	3.85
(2,5)	1:C:18:ARG:CB	1:P:113:TYR:CE2	7	3.85
(2,5)	1:C:18:ARG:CB	1:M:113:TYR:CE2	7	3.85
(2,5)	1:G:18:ARG:CB	1:L:113:TYR:CE2	7	3.85
(2,5)	1:G:18:ARG:CB	1:K:113:TYR:CE2	7	3.85
(2,5)	1:G:18:ARG:CB	1:N:113:TYR:CE2	7	3.85
(2,5)	1:G:18:ARG:CB	1:J:113:TYR:CE2	7	3.85
(2,5)	1:G:18:ARG:CB	1:I:113:TYR:CE2	7	3.85
(2,5)	1:G:18:ARG:CB	1:O:113:TYR:CE2	7	3.85
(2,5)	1:G:18:ARG:CB	1:P:113:TYR:CE2	7	3.85
(2,5)	1:G:18:ARG:CB	1:M:113:TYR:CE2	7	3.85
(2,5)	1:H:18:ARG:CB	1:L:113:TYR:CE2	7	3.85
(2,5)	1:H:18:ARG:CB	1:K:113:TYR:CE2	7	3.85
(2,5)	1:H:18:ARG:CB	1:N:113:TYR:CE2	7	3.85
(2,5)	1:H:18:ARG:CB	1:J:113:TYR:CE2	7	3.85
(2,5)	1:H:18:ARG:CB	1:I:113:TYR:CE2	7	3.85
(2,5)	1:H:18:ARG:CB	1:O:113:TYR:CE2	7	3.85
(2,5)	1:H:18:ARG:CB	1:P:113:TYR:CE2	7	3.85
(2,5)	1:H:18:ARG:CB	1:M:113:TYR:CE2	7	3.85
(2,5)	1:B:18:ARG:CB	1:L:113:TYR:CE2	7	3.85
(2,5)	1:B:18:ARG:CB	1:K:113:TYR:CE2	7	3.85
(2,5)	1:B:18:ARG:CB	1:N:113:TYR:CE2	7	3.85
(2,5)	1:B:18:ARG:CB	1:J:113:TYR:CE2	7	3.85
(2,5)	1:B:18:ARG:CB	1:I:113:TYR:CE2	7	3.85
(2,5)	1:B:18:ARG:CB	1:O:113:TYR:CE2	7	3.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:B:18:ARG:CB	1:P:113:TYR:CE2	7	3.85
(2,5)	1:B:18:ARG:CB	1:M:113:TYR:CE2	7	3.85
(2,5)	1:A:18:ARG:CB	1:L:113:TYR:CE2	7	3.85
(2,5)	1:A:18:ARG:CB	1:K:113:TYR:CE2	7	3.85
(2,5)	1:A:18:ARG:CB	1:N:113:TYR:CE2	7	3.85
(2,5)	1:A:18:ARG:CB	1:J:113:TYR:CE2	7	3.85
(2,5)	1:A:18:ARG:CB	1:I:113:TYR:CE2	7	3.85
(2,5)	1:A:18:ARG:CB	1:O:113:TYR:CE2	7	3.85
(2,5)	1:A:18:ARG:CB	1:P:113:TYR:CE2	7	3.85
(2,5)	1:A:18:ARG:CB	1:M:113:TYR:CE2	7	3.85
(2,5)	1:F:18:ARG:CB	1:L:113:TYR:CE2	8	3.85
(2,5)	1:F:18:ARG:CB	1:K:113:TYR:CE2	8	3.85
(2,5)	1:F:18:ARG:CB	1:N:113:TYR:CE2	8	3.85
(2,5)	1:F:18:ARG:CB	1:J:113:TYR:CE2	8	3.85
(2,5)	1:F:18:ARG:CB	1:I:113:TYR:CE2	8	3.85
(2,5)	1:F:18:ARG:CB	1:O:113:TYR:CE2	8	3.85
(2,5)	1:F:18:ARG:CB	1:P:113:TYR:CE2	8	3.85
(2,5)	1:F:18:ARG:CB	1:M:113:TYR:CE2	8	3.85
(2,5)	1:E:18:ARG:CB	1:L:113:TYR:CE2	8	3.85
(2,5)	1:E:18:ARG:CB	1:K:113:TYR:CE2	8	3.85
(2,5)	1:E:18:ARG:CB	1:N:113:TYR:CE2	8	3.85
(2,5)	1:E:18:ARG:CB	1:J:113:TYR:CE2	8	3.85
(2,5)	1:E:18:ARG:CB	1:I:113:TYR:CE2	8	3.85
(2,5)	1:E:18:ARG:CB	1:O:113:TYR:CE2	8	3.85
(2,5)	1:E:18:ARG:CB	1:P:113:TYR:CE2	8	3.85
(2,5)	1:E:18:ARG:CB	1:M:113:TYR:CE2	8	3.85
(2,5)	1:D:18:ARG:CB	1:L:113:TYR:CE2	8	3.85
(2,5)	1:D:18:ARG:CB	1:K:113:TYR:CE2	8	3.85
(2,5)	1:D:18:ARG:CB	1:N:113:TYR:CE2	8	3.85
(2,5)	1:D:18:ARG:CB	1:J:113:TYR:CE2	8	3.85
(2,5)	1:D:18:ARG:CB	1:I:113:TYR:CE2	8	3.85
(2,5)	1:D:18:ARG:CB	1:O:113:TYR:CE2	8	3.85
(2,5)	1:D:18:ARG:CB	1:P:113:TYR:CE2	8	3.85
(2,5)	1:D:18:ARG:CB	1:M:113:TYR:CE2	8	3.85
(2,5)	1:C:18:ARG:CB	1:L:113:TYR:CE2	8	3.85
(2,5)	1:C:18:ARG:CB	1:K:113:TYR:CE2	8	3.85
(2,5)	1:C:18:ARG:CB	1:N:113:TYR:CE2	8	3.85
(2,5)	1:C:18:ARG:CB	1:J:113:TYR:CE2	8	3.85
(2,5)	1:C:18:ARG:CB	1:I:113:TYR:CE2	8	3.85
(2,5)	1:C:18:ARG:CB	1:O:113:TYR:CE2	8	3.85
(2,5)	1:C:18:ARG:CB	1:P:113:TYR:CE2	8	3.85
(2,5)	1:C:18:ARG:CB	1:M:113:TYR:CE2	8	3.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:G:18:ARG:CB	1:L:113:TYR:CE2	8	3.85
(2,5)	1:G:18:ARG:CB	1:K:113:TYR:CE2	8	3.85
(2,5)	1:G:18:ARG:CB	1:N:113:TYR:CE2	8	3.85
(2,5)	1:G:18:ARG:CB	1:J:113:TYR:CE2	8	3.85
(2,5)	1:G:18:ARG:CB	1:I:113:TYR:CE2	8	3.85
(2,5)	1:G:18:ARG:CB	1:O:113:TYR:CE2	8	3.85
(2,5)	1:G:18:ARG:CB	1:P:113:TYR:CE2	8	3.85
(2,5)	1:G:18:ARG:CB	1:M:113:TYR:CE2	8	3.85
(2,5)	1:H:18:ARG:CB	1:L:113:TYR:CE2	8	3.85
(2,5)	1:H:18:ARG:CB	1:K:113:TYR:CE2	8	3.85
(2,5)	1:H:18:ARG:CB	1:N:113:TYR:CE2	8	3.85
(2,5)	1:H:18:ARG:CB	1:J:113:TYR:CE2	8	3.85
(2,5)	1:H:18:ARG:CB	1:I:113:TYR:CE2	8	3.85
(2,5)	1:H:18:ARG:CB	1:O:113:TYR:CE2	8	3.85
(2,5)	1:H:18:ARG:CB	1:P:113:TYR:CE2	8	3.85
(2,5)	1:H:18:ARG:CB	1:M:113:TYR:CE2	8	3.85
(2,5)	1:B:18:ARG:CB	1:L:113:TYR:CE2	8	3.85
(2,5)	1:B:18:ARG:CB	1:K:113:TYR:CE2	8	3.85
(2,5)	1:B:18:ARG:CB	1:N:113:TYR:CE2	8	3.85
(2,5)	1:B:18:ARG:CB	1:J:113:TYR:CE2	8	3.85
(2,5)	1:B:18:ARG:CB	1:I:113:TYR:CE2	8	3.85
(2,5)	1:B:18:ARG:CB	1:O:113:TYR:CE2	8	3.85
(2,5)	1:B:18:ARG:CB	1:P:113:TYR:CE2	8	3.85
(2,5)	1:B:18:ARG:CB	1:M:113:TYR:CE2	8	3.85
(2,5)	1:A:18:ARG:CB	1:L:113:TYR:CE2	8	3.85
(2,5)	1:A:18:ARG:CB	1:K:113:TYR:CE2	8	3.85
(2,5)	1:A:18:ARG:CB	1:N:113:TYR:CE2	8	3.85
(2,5)	1:A:18:ARG:CB	1:J:113:TYR:CE2	8	3.85
(2,5)	1:A:18:ARG:CB	1:I:113:TYR:CE2	8	3.85
(2,5)	1:A:18:ARG:CB	1:O:113:TYR:CE2	8	3.85
(2,5)	1:A:18:ARG:CB	1:P:113:TYR:CE2	8	3.85
(2,5)	1:A:18:ARG:CB	1:M:113:TYR:CE2	8	3.85
(2,5)	1:F:18:ARG:CB	1:L:113:TYR:CE2	9	3.83
(2,5)	1:F:18:ARG:CB	1:K:113:TYR:CE2	9	3.83
(2,5)	1:F:18:ARG:CB	1:N:113:TYR:CE2	9	3.83
(2,5)	1:F:18:ARG:CB	1:J:113:TYR:CE2	9	3.83
(2,5)	1:F:18:ARG:CB	1:I:113:TYR:CE2	9	3.83
(2,5)	1:F:18:ARG:CB	1:O:113:TYR:CE2	9	3.83
(2,5)	1:F:18:ARG:CB	1:P:113:TYR:CE2	9	3.83
(2,5)	1:F:18:ARG:CB	1:M:113:TYR:CE2	9	3.83
(2,5)	1:E:18:ARG:CB	1:L:113:TYR:CE2	9	3.83
(2,5)	1:E:18:ARG:CB	1:K:113:TYR:CE2	9	3.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:E:18:ARG:CB	1:N:113:TYR:CE2	9	3.83
(2,5)	1:E:18:ARG:CB	1:J:113:TYR:CE2	9	3.83
(2,5)	1:E:18:ARG:CB	1:I:113:TYR:CE2	9	3.83
(2,5)	1:E:18:ARG:CB	1:O:113:TYR:CE2	9	3.83
(2,5)	1:E:18:ARG:CB	1:P:113:TYR:CE2	9	3.83
(2,5)	1:E:18:ARG:CB	1:M:113:TYR:CE2	9	3.83
(2,5)	1:D:18:ARG:CB	1:L:113:TYR:CE2	9	3.83
(2,5)	1:D:18:ARG:CB	1:K:113:TYR:CE2	9	3.83
(2,5)	1:D:18:ARG:CB	1:N:113:TYR:CE2	9	3.83
(2,5)	1:D:18:ARG:CB	1:J:113:TYR:CE2	9	3.83
(2,5)	1:D:18:ARG:CB	1:I:113:TYR:CE2	9	3.83
(2,5)	1:D:18:ARG:CB	1:O:113:TYR:CE2	9	3.83
(2,5)	1:D:18:ARG:CB	1:P:113:TYR:CE2	9	3.83
(2,5)	1:D:18:ARG:CB	1:M:113:TYR:CE2	9	3.83
(2,5)	1:C:18:ARG:CB	1:L:113:TYR:CE2	9	3.83
(2,5)	1:C:18:ARG:CB	1:K:113:TYR:CE2	9	3.83
(2,5)	1:C:18:ARG:CB	1:N:113:TYR:CE2	9	3.83
(2,5)	1:C:18:ARG:CB	1:J:113:TYR:CE2	9	3.83
(2,5)	1:C:18:ARG:CB	1:I:113:TYR:CE2	9	3.83
(2,5)	1:C:18:ARG:CB	1:O:113:TYR:CE2	9	3.83
(2,5)	1:C:18:ARG:CB	1:P:113:TYR:CE2	9	3.83
(2,5)	1:C:18:ARG:CB	1:M:113:TYR:CE2	9	3.83
(2,5)	1:G:18:ARG:CB	1:L:113:TYR:CE2	9	3.83
(2,5)	1:G:18:ARG:CB	1:K:113:TYR:CE2	9	3.83
(2,5)	1:G:18:ARG:CB	1:N:113:TYR:CE2	9	3.83
(2,5)	1:G:18:ARG:CB	1:J:113:TYR:CE2	9	3.83
(2,5)	1:G:18:ARG:CB	1:I:113:TYR:CE2	9	3.83
(2,5)	1:G:18:ARG:CB	1:O:113:TYR:CE2	9	3.83
(2,5)	1:G:18:ARG:CB	1:P:113:TYR:CE2	9	3.83
(2,5)	1:G:18:ARG:CB	1:M:113:TYR:CE2	9	3.83
(2,5)	1:H:18:ARG:CB	1:L:113:TYR:CE2	9	3.83
(2,5)	1:H:18:ARG:CB	1:K:113:TYR:CE2	9	3.83
(2,5)	1:H:18:ARG:CB	1:N:113:TYR:CE2	9	3.83
(2,5)	1:H:18:ARG:CB	1:J:113:TYR:CE2	9	3.83
(2,5)	1:H:18:ARG:CB	1:I:113:TYR:CE2	9	3.83
(2,5)	1:H:18:ARG:CB	1:O:113:TYR:CE2	9	3.83
(2,5)	1:H:18:ARG:CB	1:P:113:TYR:CE2	9	3.83
(2,5)	1:H:18:ARG:CB	1:M:113:TYR:CE2	9	3.83
(2,5)	1:B:18:ARG:CB	1:L:113:TYR:CE2	9	3.83
(2,5)	1:B:18:ARG:CB	1:K:113:TYR:CE2	9	3.83
(2,5)	1:B:18:ARG:CB	1:N:113:TYR:CE2	9	3.83
(2,5)	1:B:18:ARG:CB	1:J:113:TYR:CE2	9	3.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:B:18:ARG:CB	1:I:113:TYR:CE2	9	3.83
(2,5)	1:B:18:ARG:CB	1:O:113:TYR:CE2	9	3.83
(2,5)	1:B:18:ARG:CB	1:P:113:TYR:CE2	9	3.83
(2,5)	1:B:18:ARG:CB	1:M:113:TYR:CE2	9	3.83
(2,5)	1:A:18:ARG:CB	1:L:113:TYR:CE2	9	3.83
(2,5)	1:A:18:ARG:CB	1:K:113:TYR:CE2	9	3.83
(2,5)	1:A:18:ARG:CB	1:N:113:TYR:CE2	9	3.83
(2,5)	1:A:18:ARG:CB	1:J:113:TYR:CE2	9	3.83
(2,5)	1:A:18:ARG:CB	1:I:113:TYR:CE2	9	3.83
(2,5)	1:A:18:ARG:CB	1:O:113:TYR:CE2	9	3.83
(2,5)	1:A:18:ARG:CB	1:P:113:TYR:CE2	9	3.83
(2,5)	1:A:18:ARG:CB	1:M:113:TYR:CE2	9	3.83
(2,5)	1:F:18:ARG:CB	1:L:113:TYR:CE2	3	3.82
(2,5)	1:F:18:ARG:CB	1:K:113:TYR:CE2	3	3.82
(2,5)	1:F:18:ARG:CB	1:N:113:TYR:CE2	3	3.82
(2,5)	1:F:18:ARG:CB	1:J:113:TYR:CE2	3	3.82
(2,5)	1:F:18:ARG:CB	1:I:113:TYR:CE2	3	3.82
(2,5)	1:F:18:ARG:CB	1:O:113:TYR:CE2	3	3.82
(2,5)	1:F:18:ARG:CB	1:P:113:TYR:CE2	3	3.82
(2,5)	1:F:18:ARG:CB	1:M:113:TYR:CE2	3	3.82
(2,5)	1:E:18:ARG:CB	1:L:113:TYR:CE2	3	3.82
(2,5)	1:E:18:ARG:CB	1:K:113:TYR:CE2	3	3.82
(2,5)	1:E:18:ARG:CB	1:N:113:TYR:CE2	3	3.82
(2,5)	1:E:18:ARG:CB	1:J:113:TYR:CE2	3	3.82
(2,5)	1:E:18:ARG:CB	1:I:113:TYR:CE2	3	3.82
(2,5)	1:E:18:ARG:CB	1:O:113:TYR:CE2	3	3.82
(2,5)	1:E:18:ARG:CB	1:P:113:TYR:CE2	3	3.82
(2,5)	1:E:18:ARG:CB	1:M:113:TYR:CE2	3	3.82
(2,5)	1:D:18:ARG:CB	1:L:113:TYR:CE2	3	3.82
(2,5)	1:D:18:ARG:CB	1:K:113:TYR:CE2	3	3.82
(2,5)	1:D:18:ARG:CB	1:N:113:TYR:CE2	3	3.82
(2,5)	1:D:18:ARG:CB	1:J:113:TYR:CE2	3	3.82
(2,5)	1:D:18:ARG:CB	1:I:113:TYR:CE2	3	3.82
(2,5)	1:D:18:ARG:CB	1:O:113:TYR:CE2	3	3.82
(2,5)	1:D:18:ARG:CB	1:P:113:TYR:CE2	3	3.82
(2,5)	1:D:18:ARG:CB	1:M:113:TYR:CE2	3	3.82
(2,5)	1:C:18:ARG:CB	1:L:113:TYR:CE2	3	3.82
(2,5)	1:C:18:ARG:CB	1:K:113:TYR:CE2	3	3.82
(2,5)	1:C:18:ARG:CB	1:N:113:TYR:CE2	3	3.82
(2,5)	1:C:18:ARG:CB	1:J:113:TYR:CE2	3	3.82
(2,5)	1:C:18:ARG:CB	1:I:113:TYR:CE2	3	3.82
(2,5)	1:C:18:ARG:CB	1:O:113:TYR:CE2	3	3.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:C:18:ARG:CB	1:P:113:TYR:CE2	3	3.82
(2,5)	1:C:18:ARG:CB	1:M:113:TYR:CE2	3	3.82
(2,5)	1:G:18:ARG:CB	1:L:113:TYR:CE2	3	3.82
(2,5)	1:G:18:ARG:CB	1:K:113:TYR:CE2	3	3.82
(2,5)	1:G:18:ARG:CB	1:N:113:TYR:CE2	3	3.82
(2,5)	1:G:18:ARG:CB	1:J:113:TYR:CE2	3	3.82
(2,5)	1:G:18:ARG:CB	1:I:113:TYR:CE2	3	3.82
(2,5)	1:G:18:ARG:CB	1:O:113:TYR:CE2	3	3.82
(2,5)	1:G:18:ARG:CB	1:P:113:TYR:CE2	3	3.82
(2,5)	1:G:18:ARG:CB	1:M:113:TYR:CE2	3	3.82
(2,5)	1:H:18:ARG:CB	1:L:113:TYR:CE2	3	3.82
(2,5)	1:H:18:ARG:CB	1:K:113:TYR:CE2	3	3.82
(2,5)	1:H:18:ARG:CB	1:N:113:TYR:CE2	3	3.82
(2,5)	1:H:18:ARG:CB	1:J:113:TYR:CE2	3	3.82
(2,5)	1:H:18:ARG:CB	1:I:113:TYR:CE2	3	3.82
(2,5)	1:H:18:ARG:CB	1:O:113:TYR:CE2	3	3.82
(2,5)	1:H:18:ARG:CB	1:P:113:TYR:CE2	3	3.82
(2,5)	1:H:18:ARG:CB	1:M:113:TYR:CE2	3	3.82
(2,5)	1:B:18:ARG:CB	1:L:113:TYR:CE2	3	3.82
(2,5)	1:B:18:ARG:CB	1:K:113:TYR:CE2	3	3.82
(2,5)	1:B:18:ARG:CB	1:N:113:TYR:CE2	3	3.82
(2,5)	1:B:18:ARG:CB	1:J:113:TYR:CE2	3	3.82
(2,5)	1:B:18:ARG:CB	1:I:113:TYR:CE2	3	3.82
(2,5)	1:B:18:ARG:CB	1:O:113:TYR:CE2	3	3.82
(2,5)	1:B:18:ARG:CB	1:P:113:TYR:CE2	3	3.82
(2,5)	1:B:18:ARG:CB	1:M:113:TYR:CE2	3	3.82
(2,5)	1:A:18:ARG:CB	1:L:113:TYR:CE2	3	3.82
(2,5)	1:A:18:ARG:CB	1:K:113:TYR:CE2	3	3.82
(2,5)	1:A:18:ARG:CB	1:N:113:TYR:CE2	3	3.82
(2,5)	1:A:18:ARG:CB	1:J:113:TYR:CE2	3	3.82
(2,5)	1:A:18:ARG:CB	1:I:113:TYR:CE2	3	3.82
(2,5)	1:A:18:ARG:CB	1:O:113:TYR:CE2	3	3.82
(2,5)	1:A:18:ARG:CB	1:P:113:TYR:CE2	3	3.82
(2,5)	1:A:18:ARG:CB	1:M:113:TYR:CE2	3	3.82
(2,5)	1:F:18:ARG:CB	1:L:113:TYR:CE2	6	3.69
(2,5)	1:F:18:ARG:CB	1:K:113:TYR:CE2	6	3.69
(2,5)	1:F:18:ARG:CB	1:N:113:TYR:CE2	6	3.69
(2,5)	1:F:18:ARG:CB	1:J:113:TYR:CE2	6	3.69
(2,5)	1:F:18:ARG:CB	1:I:113:TYR:CE2	6	3.69
(2,5)	1:F:18:ARG:CB	1:O:113:TYR:CE2	6	3.69
(2,5)	1:F:18:ARG:CB	1:P:113:TYR:CE2	6	3.69
(2,5)	1:F:18:ARG:CB	1:M:113:TYR:CE2	6	3.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:E:18:ARG:CB	1:L:113:TYR:CE2	6	3.69
(2,5)	1:E:18:ARG:CB	1:K:113:TYR:CE2	6	3.69
(2,5)	1:E:18:ARG:CB	1:N:113:TYR:CE2	6	3.69
(2,5)	1:E:18:ARG:CB	1:J:113:TYR:CE2	6	3.69
(2,5)	1:E:18:ARG:CB	1:I:113:TYR:CE2	6	3.69
(2,5)	1:E:18:ARG:CB	1:O:113:TYR:CE2	6	3.69
(2,5)	1:E:18:ARG:CB	1:P:113:TYR:CE2	6	3.69
(2,5)	1:E:18:ARG:CB	1:M:113:TYR:CE2	6	3.69
(2,5)	1:D:18:ARG:CB	1:L:113:TYR:CE2	6	3.69
(2,5)	1:D:18:ARG:CB	1:K:113:TYR:CE2	6	3.69
(2,5)	1:D:18:ARG:CB	1:N:113:TYR:CE2	6	3.69
(2,5)	1:D:18:ARG:CB	1:J:113:TYR:CE2	6	3.69
(2,5)	1:D:18:ARG:CB	1:I:113:TYR:CE2	6	3.69
(2,5)	1:D:18:ARG:CB	1:O:113:TYR:CE2	6	3.69
(2,5)	1:D:18:ARG:CB	1:P:113:TYR:CE2	6	3.69
(2,5)	1:D:18:ARG:CB	1:M:113:TYR:CE2	6	3.69
(2,5)	1:C:18:ARG:CB	1:L:113:TYR:CE2	6	3.69
(2,5)	1:C:18:ARG:CB	1:K:113:TYR:CE2	6	3.69
(2,5)	1:C:18:ARG:CB	1:N:113:TYR:CE2	6	3.69
(2,5)	1:C:18:ARG:CB	1:J:113:TYR:CE2	6	3.69
(2,5)	1:C:18:ARG:CB	1:I:113:TYR:CE2	6	3.69
(2,5)	1:C:18:ARG:CB	1:O:113:TYR:CE2	6	3.69
(2,5)	1:C:18:ARG:CB	1:P:113:TYR:CE2	6	3.69
(2,5)	1:C:18:ARG:CB	1:M:113:TYR:CE2	6	3.69
(2,5)	1:G:18:ARG:CB	1:L:113:TYR:CE2	6	3.69
(2,5)	1:G:18:ARG:CB	1:K:113:TYR:CE2	6	3.69
(2,5)	1:G:18:ARG:CB	1:N:113:TYR:CE2	6	3.69
(2,5)	1:G:18:ARG:CB	1:J:113:TYR:CE2	6	3.69
(2,5)	1:G:18:ARG:CB	1:I:113:TYR:CE2	6	3.69
(2,5)	1:G:18:ARG:CB	1:O:113:TYR:CE2	6	3.69
(2,5)	1:G:18:ARG:CB	1:P:113:TYR:CE2	6	3.69
(2,5)	1:G:18:ARG:CB	1:M:113:TYR:CE2	6	3.69
(2,5)	1:H:18:ARG:CB	1:L:113:TYR:CE2	6	3.69
(2,5)	1:H:18:ARG:CB	1:K:113:TYR:CE2	6	3.69
(2,5)	1:H:18:ARG:CB	1:N:113:TYR:CE2	6	3.69
(2,5)	1:H:18:ARG:CB	1:J:113:TYR:CE2	6	3.69
(2,5)	1:H:18:ARG:CB	1:I:113:TYR:CE2	6	3.69
(2,5)	1:H:18:ARG:CB	1:O:113:TYR:CE2	6	3.69
(2,5)	1:H:18:ARG:CB	1:P:113:TYR:CE2	6	3.69
(2,5)	1:H:18:ARG:CB	1:M:113:TYR:CE2	6	3.69
(2,5)	1:B:18:ARG:CB	1:L:113:TYR:CE2	6	3.69
(2,5)	1:B:18:ARG:CB	1:K:113:TYR:CE2	6	3.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:B:18:ARG:CB	1:N:113:TYR:CE2	6	3.69
(2,5)	1:B:18:ARG:CB	1:J:113:TYR:CE2	6	3.69
(2,5)	1:B:18:ARG:CB	1:I:113:TYR:CE2	6	3.69
(2,5)	1:B:18:ARG:CB	1:O:113:TYR:CE2	6	3.69
(2,5)	1:B:18:ARG:CB	1:P:113:TYR:CE2	6	3.69
(2,5)	1:B:18:ARG:CB	1:M:113:TYR:CE2	6	3.69
(2,5)	1:A:18:ARG:CB	1:L:113:TYR:CE2	6	3.69
(2,5)	1:A:18:ARG:CB	1:K:113:TYR:CE2	6	3.69
(2,5)	1:A:18:ARG:CB	1:N:113:TYR:CE2	6	3.69
(2,5)	1:A:18:ARG:CB	1:J:113:TYR:CE2	6	3.69
(2,5)	1:A:18:ARG:CB	1:I:113:TYR:CE2	6	3.69
(2,5)	1:A:18:ARG:CB	1:O:113:TYR:CE2	6	3.69
(2,5)	1:A:18:ARG:CB	1:P:113:TYR:CE2	6	3.69
(2,5)	1:A:18:ARG:CB	1:M:113:TYR:CE2	6	3.69
(2,3)	1:C:13:TYR:CE2	1:I:118:ARG:CB	10	3.59
(2,3)	1:C:13:TYR:CE2	1:O:118:ARG:CB	10	3.59
(2,3)	1:C:13:TYR:CE2	1:P:118:ARG:CB	10	3.59
(2,3)	1:C:13:TYR:CE2	1:N:118:ARG:CB	10	3.59
(2,3)	1:C:13:TYR:CE2	1:M:118:ARG:CB	10	3.59
(2,3)	1:C:13:TYR:CE2	1:J:118:ARG:CB	10	3.59
(2,3)	1:C:13:TYR:CE2	1:K:118:ARG:CB	10	3.59
(2,3)	1:C:13:TYR:CE2	1:L:118:ARG:CB	10	3.59
(2,3)	1:H:13:TYR:CE2	1:I:118:ARG:CB	10	3.59
(2,3)	1:H:13:TYR:CE2	1:O:118:ARG:CB	10	3.59
(2,3)	1:H:13:TYR:CE2	1:P:118:ARG:CB	10	3.59
(2,3)	1:H:13:TYR:CE2	1:N:118:ARG:CB	10	3.59
(2,3)	1:H:13:TYR:CE2	1:M:118:ARG:CB	10	3.59
(2,3)	1:H:13:TYR:CE2	1:J:118:ARG:CB	10	3.59
(2,3)	1:H:13:TYR:CE2	1:K:118:ARG:CB	10	3.59
(2,3)	1:H:13:TYR:CE2	1:L:118:ARG:CB	10	3.59
(2,3)	1:B:13:TYR:CE2	1:I:118:ARG:CB	10	3.59
(2,3)	1:B:13:TYR:CE2	1:O:118:ARG:CB	10	3.59
(2,3)	1:B:13:TYR:CE2	1:P:118:ARG:CB	10	3.59
(2,3)	1:B:13:TYR:CE2	1:N:118:ARG:CB	10	3.59
(2,3)	1:B:13:TYR:CE2	1:M:118:ARG:CB	10	3.59
(2,3)	1:B:13:TYR:CE2	1:J:118:ARG:CB	10	3.59
(2,3)	1:B:13:TYR:CE2	1:K:118:ARG:CB	10	3.59
(2,3)	1:B:13:TYR:CE2	1:L:118:ARG:CB	10	3.59
(2,3)	1:A:13:TYR:CE2	1:I:118:ARG:CB	10	3.59
(2,3)	1:A:13:TYR:CE2	1:O:118:ARG:CB	10	3.59
(2,3)	1:A:13:TYR:CE2	1:P:118:ARG:CB	10	3.59
(2,3)	1:A:13:TYR:CE2	1:N:118:ARG:CB	10	3.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:A:13:TYR:CE2	1:M:118:ARG:CB	10	3.59
(2,3)	1:A:13:TYR:CE2	1:J:118:ARG:CB	10	3.59
(2,3)	1:A:13:TYR:CE2	1:K:118:ARG:CB	10	3.59
(2,3)	1:A:13:TYR:CE2	1:L:118:ARG:CB	10	3.59
(2,3)	1:G:13:TYR:CE2	1:I:118:ARG:CB	10	3.59
(2,3)	1:G:13:TYR:CE2	1:O:118:ARG:CB	10	3.59
(2,3)	1:G:13:TYR:CE2	1:P:118:ARG:CB	10	3.59
(2,3)	1:G:13:TYR:CE2	1:N:118:ARG:CB	10	3.59
(2,3)	1:G:13:TYR:CE2	1:M:118:ARG:CB	10	3.59
(2,3)	1:G:13:TYR:CE2	1:J:118:ARG:CB	10	3.59
(2,3)	1:G:13:TYR:CE2	1:K:118:ARG:CB	10	3.59
(2,3)	1:G:13:TYR:CE2	1:L:118:ARG:CB	10	3.59
(2,3)	1:F:13:TYR:CE2	1:I:118:ARG:CB	10	3.59
(2,3)	1:F:13:TYR:CE2	1:O:118:ARG:CB	10	3.59
(2,3)	1:F:13:TYR:CE2	1:P:118:ARG:CB	10	3.59
(2,3)	1:F:13:TYR:CE2	1:N:118:ARG:CB	10	3.59
(2,3)	1:F:13:TYR:CE2	1:M:118:ARG:CB	10	3.59
(2,3)	1:F:13:TYR:CE2	1:J:118:ARG:CB	10	3.59
(2,3)	1:F:13:TYR:CE2	1:K:118:ARG:CB	10	3.59
(2,3)	1:F:13:TYR:CE2	1:L:118:ARG:CB	10	3.59
(2,3)	1:E:13:TYR:CE2	1:I:118:ARG:CB	10	3.59
(2,3)	1:E:13:TYR:CE2	1:O:118:ARG:CB	10	3.59
(2,3)	1:E:13:TYR:CE2	1:P:118:ARG:CB	10	3.59
(2,3)	1:E:13:TYR:CE2	1:N:118:ARG:CB	10	3.59
(2,3)	1:E:13:TYR:CE2	1:M:118:ARG:CB	10	3.59
(2,3)	1:E:13:TYR:CE2	1:J:118:ARG:CB	10	3.59
(2,3)	1:E:13:TYR:CE2	1:K:118:ARG:CB	10	3.59
(2,3)	1:E:13:TYR:CE2	1:L:118:ARG:CB	10	3.59
(2,3)	1:D:13:TYR:CE2	1:I:118:ARG:CB	10	3.59
(2,3)	1:D:13:TYR:CE2	1:O:118:ARG:CB	10	3.59
(2,3)	1:D:13:TYR:CE2	1:P:118:ARG:CB	10	3.59
(2,3)	1:D:13:TYR:CE2	1:N:118:ARG:CB	10	3.59
(2,3)	1:D:13:TYR:CE2	1:M:118:ARG:CB	10	3.59
(2,3)	1:D:13:TYR:CE2	1:J:118:ARG:CB	10	3.59
(2,3)	1:D:13:TYR:CE2	1:K:118:ARG:CB	10	3.59
(2,3)	1:D:13:TYR:CE2	1:L:118:ARG:CB	10	3.59
(2,3)	1:C:13:TYR:CE2	1:I:118:ARG:CB	2	3.52
(2,3)	1:C:13:TYR:CE2	1:O:118:ARG:CB	2	3.52
(2,3)	1:C:13:TYR:CE2	1:P:118:ARG:CB	2	3.52
(2,3)	1:C:13:TYR:CE2	1:N:118:ARG:CB	2	3.52
(2,3)	1:C:13:TYR:CE2	1:M:118:ARG:CB	2	3.52
(2,3)	1:C:13:TYR:CE2	1:J:118:ARG:CB	2	3.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:C:13:TYR:CE2	1:K:118:ARG:CB	2	3.52
(2,3)	1:C:13:TYR:CE2	1:L:118:ARG:CB	2	3.52
(2,3)	1:H:13:TYR:CE2	1:I:118:ARG:CB	2	3.52
(2,3)	1:H:13:TYR:CE2	1:O:118:ARG:CB	2	3.52
(2,3)	1:H:13:TYR:CE2	1:P:118:ARG:CB	2	3.52
(2,3)	1:H:13:TYR:CE2	1:N:118:ARG:CB	2	3.52
(2,3)	1:H:13:TYR:CE2	1:M:118:ARG:CB	2	3.52
(2,3)	1:H:13:TYR:CE2	1:J:118:ARG:CB	2	3.52
(2,3)	1:H:13:TYR:CE2	1:K:118:ARG:CB	2	3.52
(2,3)	1:H:13:TYR:CE2	1:L:118:ARG:CB	2	3.52
(2,3)	1:B:13:TYR:CE2	1:I:118:ARG:CB	2	3.52
(2,3)	1:B:13:TYR:CE2	1:O:118:ARG:CB	2	3.52
(2,3)	1:B:13:TYR:CE2	1:P:118:ARG:CB	2	3.52
(2,3)	1:B:13:TYR:CE2	1:N:118:ARG:CB	2	3.52
(2,3)	1:B:13:TYR:CE2	1:M:118:ARG:CB	2	3.52
(2,3)	1:B:13:TYR:CE2	1:J:118:ARG:CB	2	3.52
(2,3)	1:B:13:TYR:CE2	1:K:118:ARG:CB	2	3.52
(2,3)	1:B:13:TYR:CE2	1:L:118:ARG:CB	2	3.52
(2,3)	1:A:13:TYR:CE2	1:I:118:ARG:CB	2	3.52
(2,3)	1:A:13:TYR:CE2	1:O:118:ARG:CB	2	3.52
(2,3)	1:A:13:TYR:CE2	1:P:118:ARG:CB	2	3.52
(2,3)	1:A:13:TYR:CE2	1:N:118:ARG:CB	2	3.52
(2,3)	1:A:13:TYR:CE2	1:M:118:ARG:CB	2	3.52
(2,3)	1:A:13:TYR:CE2	1:J:118:ARG:CB	2	3.52
(2,3)	1:A:13:TYR:CE2	1:K:118:ARG:CB	2	3.52
(2,3)	1:A:13:TYR:CE2	1:L:118:ARG:CB	2	3.52
(2,3)	1:G:13:TYR:CE2	1:I:118:ARG:CB	2	3.52
(2,3)	1:G:13:TYR:CE2	1:O:118:ARG:CB	2	3.52
(2,3)	1:G:13:TYR:CE2	1:P:118:ARG:CB	2	3.52
(2,3)	1:G:13:TYR:CE2	1:N:118:ARG:CB	2	3.52
(2,3)	1:G:13:TYR:CE2	1:M:118:ARG:CB	2	3.52
(2,3)	1:G:13:TYR:CE2	1:J:118:ARG:CB	2	3.52
(2,3)	1:G:13:TYR:CE2	1:K:118:ARG:CB	2	3.52
(2,3)	1:G:13:TYR:CE2	1:L:118:ARG:CB	2	3.52
(2,3)	1:F:13:TYR:CE2	1:I:118:ARG:CB	2	3.52
(2,3)	1:F:13:TYR:CE2	1:O:118:ARG:CB	2	3.52
(2,3)	1:F:13:TYR:CE2	1:P:118:ARG:CB	2	3.52
(2,3)	1:F:13:TYR:CE2	1:N:118:ARG:CB	2	3.52
(2,3)	1:F:13:TYR:CE2	1:M:118:ARG:CB	2	3.52
(2,3)	1:F:13:TYR:CE2	1:J:118:ARG:CB	2	3.52
(2,3)	1:F:13:TYR:CE2	1:K:118:ARG:CB	2	3.52
(2,3)	1:F:13:TYR:CE2	1:L:118:ARG:CB	2	3.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:E:13:TYR:CE2	1:I:118:ARG:CB	2	3.52
(2,3)	1:E:13:TYR:CE2	1:O:118:ARG:CB	2	3.52
(2,3)	1:E:13:TYR:CE2	1:P:118:ARG:CB	2	3.52
(2,3)	1:E:13:TYR:CE2	1:N:118:ARG:CB	2	3.52
(2,3)	1:E:13:TYR:CE2	1:M:118:ARG:CB	2	3.52
(2,3)	1:E:13:TYR:CE2	1:J:118:ARG:CB	2	3.52
(2,3)	1:E:13:TYR:CE2	1:K:118:ARG:CB	2	3.52
(2,3)	1:E:13:TYR:CE2	1:L:118:ARG:CB	2	3.52
(2,3)	1:D:13:TYR:CE2	1:I:118:ARG:CB	2	3.52
(2,3)	1:D:13:TYR:CE2	1:O:118:ARG:CB	2	3.52
(2,3)	1:D:13:TYR:CE2	1:P:118:ARG:CB	2	3.52
(2,3)	1:D:13:TYR:CE2	1:N:118:ARG:CB	2	3.52
(2,3)	1:D:13:TYR:CE2	1:M:118:ARG:CB	2	3.52
(2,3)	1:D:13:TYR:CE2	1:J:118:ARG:CB	2	3.52
(2,3)	1:D:13:TYR:CE2	1:K:118:ARG:CB	2	3.52
(2,3)	1:D:13:TYR:CE2	1:L:118:ARG:CB	2	3.52
(2,3)	1:C:13:TYR:CE2	1:I:118:ARG:CB	3	3.51
(2,3)	1:C:13:TYR:CE2	1:O:118:ARG:CB	3	3.51
(2,3)	1:C:13:TYR:CE2	1:P:118:ARG:CB	3	3.51
(2,3)	1:C:13:TYR:CE2	1:N:118:ARG:CB	3	3.51
(2,3)	1:C:13:TYR:CE2	1:M:118:ARG:CB	3	3.51
(2,3)	1:C:13:TYR:CE2	1:J:118:ARG:CB	3	3.51
(2,3)	1:C:13:TYR:CE2	1:K:118:ARG:CB	3	3.51
(2,3)	1:C:13:TYR:CE2	1:L:118:ARG:CB	3	3.51
(2,3)	1:H:13:TYR:CE2	1:I:118:ARG:CB	3	3.51
(2,3)	1:H:13:TYR:CE2	1:O:118:ARG:CB	3	3.51
(2,3)	1:H:13:TYR:CE2	1:P:118:ARG:CB	3	3.51
(2,3)	1:H:13:TYR:CE2	1:N:118:ARG:CB	3	3.51
(2,3)	1:H:13:TYR:CE2	1:M:118:ARG:CB	3	3.51
(2,3)	1:H:13:TYR:CE2	1:J:118:ARG:CB	3	3.51
(2,3)	1:H:13:TYR:CE2	1:K:118:ARG:CB	3	3.51
(2,3)	1:H:13:TYR:CE2	1:L:118:ARG:CB	3	3.51
(2,3)	1:B:13:TYR:CE2	1:I:118:ARG:CB	3	3.51
(2,3)	1:B:13:TYR:CE2	1:O:118:ARG:CB	3	3.51
(2,3)	1:B:13:TYR:CE2	1:P:118:ARG:CB	3	3.51
(2,3)	1:B:13:TYR:CE2	1:N:118:ARG:CB	3	3.51
(2,3)	1:B:13:TYR:CE2	1:M:118:ARG:CB	3	3.51
(2,3)	1:B:13:TYR:CE2	1:J:118:ARG:CB	3	3.51
(2,3)	1:B:13:TYR:CE2	1:K:118:ARG:CB	3	3.51
(2,3)	1:B:13:TYR:CE2	1:L:118:ARG:CB	3	3.51
(2,3)	1:A:13:TYR:CE2	1:I:118:ARG:CB	3	3.51
(2,3)	1:A:13:TYR:CE2	1:O:118:ARG:CB	3	3.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:A:13:TYR:CE2	1:P:118:ARG:CB	3	3.51
(2,3)	1:A:13:TYR:CE2	1:N:118:ARG:CB	3	3.51
(2,3)	1:A:13:TYR:CE2	1:M:118:ARG:CB	3	3.51
(2,3)	1:A:13:TYR:CE2	1:J:118:ARG:CB	3	3.51
(2,3)	1:A:13:TYR:CE2	1:K:118:ARG:CB	3	3.51
(2,3)	1:A:13:TYR:CE2	1:L:118:ARG:CB	3	3.51
(2,3)	1:G:13:TYR:CE2	1:I:118:ARG:CB	3	3.51
(2,3)	1:G:13:TYR:CE2	1:O:118:ARG:CB	3	3.51
(2,3)	1:G:13:TYR:CE2	1:P:118:ARG:CB	3	3.51
(2,3)	1:G:13:TYR:CE2	1:N:118:ARG:CB	3	3.51
(2,3)	1:G:13:TYR:CE2	1:M:118:ARG:CB	3	3.51
(2,3)	1:G:13:TYR:CE2	1:J:118:ARG:CB	3	3.51
(2,3)	1:G:13:TYR:CE2	1:K:118:ARG:CB	3	3.51
(2,3)	1:G:13:TYR:CE2	1:L:118:ARG:CB	3	3.51
(2,3)	1:F:13:TYR:CE2	1:I:118:ARG:CB	3	3.51
(2,3)	1:F:13:TYR:CE2	1:O:118:ARG:CB	3	3.51
(2,3)	1:F:13:TYR:CE2	1:P:118:ARG:CB	3	3.51
(2,3)	1:F:13:TYR:CE2	1:N:118:ARG:CB	3	3.51
(2,3)	1:F:13:TYR:CE2	1:M:118:ARG:CB	3	3.51
(2,3)	1:F:13:TYR:CE2	1:J:118:ARG:CB	3	3.51
(2,3)	1:F:13:TYR:CE2	1:K:118:ARG:CB	3	3.51
(2,3)	1:F:13:TYR:CE2	1:L:118:ARG:CB	3	3.51
(2,3)	1:E:13:TYR:CE2	1:I:118:ARG:CB	3	3.51
(2,3)	1:E:13:TYR:CE2	1:O:118:ARG:CB	3	3.51
(2,3)	1:E:13:TYR:CE2	1:P:118:ARG:CB	3	3.51
(2,3)	1:E:13:TYR:CE2	1:N:118:ARG:CB	3	3.51
(2,3)	1:E:13:TYR:CE2	1:M:118:ARG:CB	3	3.51
(2,3)	1:E:13:TYR:CE2	1:J:118:ARG:CB	3	3.51
(2,3)	1:E:13:TYR:CE2	1:K:118:ARG:CB	3	3.51
(2,3)	1:E:13:TYR:CE2	1:L:118:ARG:CB	3	3.51
(2,3)	1:D:13:TYR:CE2	1:I:118:ARG:CB	3	3.51
(2,3)	1:D:13:TYR:CE2	1:O:118:ARG:CB	3	3.51
(2,3)	1:D:13:TYR:CE2	1:P:118:ARG:CB	3	3.51
(2,3)	1:D:13:TYR:CE2	1:N:118:ARG:CB	3	3.51
(2,3)	1:D:13:TYR:CE2	1:M:118:ARG:CB	3	3.51
(2,3)	1:D:13:TYR:CE2	1:J:118:ARG:CB	3	3.51
(2,3)	1:D:13:TYR:CE2	1:K:118:ARG:CB	3	3.51
(2,3)	1:D:13:TYR:CE2	1:L:118:ARG:CB	3	3.51
(2,5)	1:F:18:ARG:CB	1:L:113:TYR:CE2	10	3.49
(2,5)	1:F:18:ARG:CB	1:K:113:TYR:CE2	10	3.49
(2,5)	1:F:18:ARG:CB	1:N:113:TYR:CE2	10	3.49
(2,5)	1:F:18:ARG:CB	1:J:113:TYR:CE2	10	3.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:F:18:ARG:CB	1:I:113:TYR:CE2	10	3.49
(2,5)	1:F:18:ARG:CB	1:O:113:TYR:CE2	10	3.49
(2,5)	1:F:18:ARG:CB	1:P:113:TYR:CE2	10	3.49
(2,5)	1:F:18:ARG:CB	1:M:113:TYR:CE2	10	3.49
(2,5)	1:E:18:ARG:CB	1:L:113:TYR:CE2	10	3.49
(2,5)	1:E:18:ARG:CB	1:K:113:TYR:CE2	10	3.49
(2,5)	1:E:18:ARG:CB	1:N:113:TYR:CE2	10	3.49
(2,5)	1:E:18:ARG:CB	1:J:113:TYR:CE2	10	3.49
(2,5)	1:E:18:ARG:CB	1:I:113:TYR:CE2	10	3.49
(2,5)	1:E:18:ARG:CB	1:O:113:TYR:CE2	10	3.49
(2,5)	1:E:18:ARG:CB	1:P:113:TYR:CE2	10	3.49
(2,5)	1:E:18:ARG:CB	1:M:113:TYR:CE2	10	3.49
(2,5)	1:D:18:ARG:CB	1:L:113:TYR:CE2	10	3.49
(2,5)	1:D:18:ARG:CB	1:K:113:TYR:CE2	10	3.49
(2,5)	1:D:18:ARG:CB	1:N:113:TYR:CE2	10	3.49
(2,5)	1:D:18:ARG:CB	1:J:113:TYR:CE2	10	3.49
(2,5)	1:D:18:ARG:CB	1:I:113:TYR:CE2	10	3.49
(2,5)	1:D:18:ARG:CB	1:O:113:TYR:CE2	10	3.49
(2,5)	1:D:18:ARG:CB	1:P:113:TYR:CE2	10	3.49
(2,5)	1:D:18:ARG:CB	1:M:113:TYR:CE2	10	3.49
(2,5)	1:C:18:ARG:CB	1:L:113:TYR:CE2	10	3.49
(2,5)	1:C:18:ARG:CB	1:K:113:TYR:CE2	10	3.49
(2,5)	1:C:18:ARG:CB	1:N:113:TYR:CE2	10	3.49
(2,5)	1:C:18:ARG:CB	1:J:113:TYR:CE2	10	3.49
(2,5)	1:C:18:ARG:CB	1:I:113:TYR:CE2	10	3.49
(2,5)	1:C:18:ARG:CB	1:O:113:TYR:CE2	10	3.49
(2,5)	1:C:18:ARG:CB	1:P:113:TYR:CE2	10	3.49
(2,5)	1:C:18:ARG:CB	1:M:113:TYR:CE2	10	3.49
(2,5)	1:G:18:ARG:CB	1:L:113:TYR:CE2	10	3.49
(2,5)	1:G:18:ARG:CB	1:K:113:TYR:CE2	10	3.49
(2,5)	1:G:18:ARG:CB	1:N:113:TYR:CE2	10	3.49
(2,5)	1:G:18:ARG:CB	1:J:113:TYR:CE2	10	3.49
(2,5)	1:G:18:ARG:CB	1:I:113:TYR:CE2	10	3.49
(2,5)	1:G:18:ARG:CB	1:O:113:TYR:CE2	10	3.49
(2,5)	1:G:18:ARG:CB	1:P:113:TYR:CE2	10	3.49
(2,5)	1:G:18:ARG:CB	1:M:113:TYR:CE2	10	3.49
(2,5)	1:H:18:ARG:CB	1:L:113:TYR:CE2	10	3.49
(2,5)	1:H:18:ARG:CB	1:K:113:TYR:CE2	10	3.49
(2,5)	1:H:18:ARG:CB	1:N:113:TYR:CE2	10	3.49
(2,5)	1:H:18:ARG:CB	1:J:113:TYR:CE2	10	3.49
(2,5)	1:H:18:ARG:CB	1:I:113:TYR:CE2	10	3.49
(2,5)	1:H:18:ARG:CB	1:O:113:TYR:CE2	10	3.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:H:18:ARG:CB	1:P:113:TYR:CE2	10	3.49
(2,5)	1:H:18:ARG:CB	1:M:113:TYR:CE2	10	3.49
(2,5)	1:B:18:ARG:CB	1:L:113:TYR:CE2	10	3.49
(2,5)	1:B:18:ARG:CB	1:K:113:TYR:CE2	10	3.49
(2,5)	1:B:18:ARG:CB	1:N:113:TYR:CE2	10	3.49
(2,5)	1:B:18:ARG:CB	1:J:113:TYR:CE2	10	3.49
(2,5)	1:B:18:ARG:CB	1:I:113:TYR:CE2	10	3.49
(2,5)	1:B:18:ARG:CB	1:O:113:TYR:CE2	10	3.49
(2,5)	1:B:18:ARG:CB	1:P:113:TYR:CE2	10	3.49
(2,5)	1:B:18:ARG:CB	1:M:113:TYR:CE2	10	3.49
(2,5)	1:A:18:ARG:CB	1:L:113:TYR:CE2	10	3.49
(2,5)	1:A:18:ARG:CB	1:K:113:TYR:CE2	10	3.49
(2,5)	1:A:18:ARG:CB	1:N:113:TYR:CE2	10	3.49
(2,5)	1:A:18:ARG:CB	1:J:113:TYR:CE2	10	3.49
(2,5)	1:A:18:ARG:CB	1:I:113:TYR:CE2	10	3.49
(2,5)	1:A:18:ARG:CB	1:O:113:TYR:CE2	10	3.49
(2,5)	1:A:18:ARG:CB	1:P:113:TYR:CE2	10	3.49
(2,5)	1:A:18:ARG:CB	1:M:113:TYR:CE2	10	3.49
(2,3)	1:C:13:TYR:CE2	1:I:118:ARG:CB	1	3.46
(2,3)	1:C:13:TYR:CE2	1:O:118:ARG:CB	1	3.46
(2,3)	1:C:13:TYR:CE2	1:P:118:ARG:CB	1	3.46
(2,3)	1:C:13:TYR:CE2	1:N:118:ARG:CB	1	3.46
(2,3)	1:C:13:TYR:CE2	1:M:118:ARG:CB	1	3.46
(2,3)	1:C:13:TYR:CE2	1:J:118:ARG:CB	1	3.46
(2,3)	1:C:13:TYR:CE2	1:K:118:ARG:CB	1	3.46
(2,3)	1:C:13:TYR:CE2	1:L:118:ARG:CB	1	3.46
(2,3)	1:H:13:TYR:CE2	1:I:118:ARG:CB	1	3.46
(2,3)	1:H:13:TYR:CE2	1:O:118:ARG:CB	1	3.46
(2,3)	1:H:13:TYR:CE2	1:P:118:ARG:CB	1	3.46
(2,3)	1:H:13:TYR:CE2	1:N:118:ARG:CB	1	3.46
(2,3)	1:H:13:TYR:CE2	1:M:118:ARG:CB	1	3.46
(2,3)	1:H:13:TYR:CE2	1:J:118:ARG:CB	1	3.46
(2,3)	1:H:13:TYR:CE2	1:K:118:ARG:CB	1	3.46
(2,3)	1:H:13:TYR:CE2	1:L:118:ARG:CB	1	3.46
(2,3)	1:B:13:TYR:CE2	1:I:118:ARG:CB	1	3.46
(2,3)	1:B:13:TYR:CE2	1:O:118:ARG:CB	1	3.46
(2,3)	1:B:13:TYR:CE2	1:P:118:ARG:CB	1	3.46
(2,3)	1:B:13:TYR:CE2	1:N:118:ARG:CB	1	3.46
(2,3)	1:B:13:TYR:CE2	1:M:118:ARG:CB	1	3.46
(2,3)	1:B:13:TYR:CE2	1:J:118:ARG:CB	1	3.46
(2,3)	1:B:13:TYR:CE2	1:K:118:ARG:CB	1	3.46
(2,3)	1:B:13:TYR:CE2	1:L:118:ARG:CB	1	3.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:A:13:TYR:CE2	1:I:118:ARG:CB	1	3.46
(2,3)	1:A:13:TYR:CE2	1:O:118:ARG:CB	1	3.46
(2,3)	1:A:13:TYR:CE2	1:P:118:ARG:CB	1	3.46
(2,3)	1:A:13:TYR:CE2	1:N:118:ARG:CB	1	3.46
(2,3)	1:A:13:TYR:CE2	1:M:118:ARG:CB	1	3.46
(2,3)	1:A:13:TYR:CE2	1:J:118:ARG:CB	1	3.46
(2,3)	1:A:13:TYR:CE2	1:K:118:ARG:CB	1	3.46
(2,3)	1:A:13:TYR:CE2	1:L:118:ARG:CB	1	3.46
(2,3)	1:G:13:TYR:CE2	1:I:118:ARG:CB	1	3.46
(2,3)	1:G:13:TYR:CE2	1:O:118:ARG:CB	1	3.46
(2,3)	1:G:13:TYR:CE2	1:P:118:ARG:CB	1	3.46
(2,3)	1:G:13:TYR:CE2	1:N:118:ARG:CB	1	3.46
(2,3)	1:G:13:TYR:CE2	1:M:118:ARG:CB	1	3.46
(2,3)	1:G:13:TYR:CE2	1:J:118:ARG:CB	1	3.46
(2,3)	1:G:13:TYR:CE2	1:K:118:ARG:CB	1	3.46
(2,3)	1:G:13:TYR:CE2	1:L:118:ARG:CB	1	3.46
(2,3)	1:F:13:TYR:CE2	1:I:118:ARG:CB	1	3.46
(2,3)	1:F:13:TYR:CE2	1:O:118:ARG:CB	1	3.46
(2,3)	1:F:13:TYR:CE2	1:P:118:ARG:CB	1	3.46
(2,3)	1:F:13:TYR:CE2	1:N:118:ARG:CB	1	3.46
(2,3)	1:F:13:TYR:CE2	1:M:118:ARG:CB	1	3.46
(2,3)	1:F:13:TYR:CE2	1:J:118:ARG:CB	1	3.46
(2,3)	1:F:13:TYR:CE2	1:K:118:ARG:CB	1	3.46
(2,3)	1:F:13:TYR:CE2	1:L:118:ARG:CB	1	3.46
(2,3)	1:E:13:TYR:CE2	1:I:118:ARG:CB	1	3.46
(2,3)	1:E:13:TYR:CE2	1:O:118:ARG:CB	1	3.46
(2,3)	1:E:13:TYR:CE2	1:P:118:ARG:CB	1	3.46
(2,3)	1:E:13:TYR:CE2	1:N:118:ARG:CB	1	3.46
(2,3)	1:E:13:TYR:CE2	1:M:118:ARG:CB	1	3.46
(2,3)	1:E:13:TYR:CE2	1:J:118:ARG:CB	1	3.46
(2,3)	1:E:13:TYR:CE2	1:K:118:ARG:CB	1	3.46
(2,3)	1:E:13:TYR:CE2	1:L:118:ARG:CB	1	3.46
(2,3)	1:D:13:TYR:CE2	1:I:118:ARG:CB	1	3.46
(2,3)	1:D:13:TYR:CE2	1:O:118:ARG:CB	1	3.46
(2,3)	1:D:13:TYR:CE2	1:P:118:ARG:CB	1	3.46
(2,3)	1:D:13:TYR:CE2	1:N:118:ARG:CB	1	3.46
(2,3)	1:D:13:TYR:CE2	1:M:118:ARG:CB	1	3.46
(2,3)	1:D:13:TYR:CE2	1:J:118:ARG:CB	1	3.46
(2,3)	1:D:13:TYR:CE2	1:K:118:ARG:CB	1	3.46
(2,3)	1:D:13:TYR:CE2	1:L:118:ARG:CB	1	3.46
(2,4)	1:F:18:ARG:CB	1:L:113:TYR:CD2	1	3.45
(2,4)	1:F:18:ARG:CB	1:K:113:TYR:CD2	1	3.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:F:18:ARG:CB	1:N:113:TYR:CD2	1	3.45
(2,4)	1:F:18:ARG:CB	1:J:113:TYR:CD2	1	3.45
(2,4)	1:F:18:ARG:CB	1:I:113:TYR:CD2	1	3.45
(2,4)	1:F:18:ARG:CB	1:O:113:TYR:CD2	1	3.45
(2,4)	1:F:18:ARG:CB	1:P:113:TYR:CD2	1	3.45
(2,4)	1:F:18:ARG:CB	1:M:113:TYR:CD2	1	3.45
(2,4)	1:E:18:ARG:CB	1:L:113:TYR:CD2	1	3.45
(2,4)	1:E:18:ARG:CB	1:K:113:TYR:CD2	1	3.45
(2,4)	1:E:18:ARG:CB	1:N:113:TYR:CD2	1	3.45
(2,4)	1:E:18:ARG:CB	1:J:113:TYR:CD2	1	3.45
(2,4)	1:E:18:ARG:CB	1:I:113:TYR:CD2	1	3.45
(2,4)	1:E:18:ARG:CB	1:O:113:TYR:CD2	1	3.45
(2,4)	1:E:18:ARG:CB	1:P:113:TYR:CD2	1	3.45
(2,4)	1:E:18:ARG:CB	1:M:113:TYR:CD2	1	3.45
(2,4)	1:D:18:ARG:CB	1:L:113:TYR:CD2	1	3.45
(2,4)	1:D:18:ARG:CB	1:K:113:TYR:CD2	1	3.45
(2,4)	1:D:18:ARG:CB	1:N:113:TYR:CD2	1	3.45
(2,4)	1:D:18:ARG:CB	1:J:113:TYR:CD2	1	3.45
(2,4)	1:D:18:ARG:CB	1:I:113:TYR:CD2	1	3.45
(2,4)	1:D:18:ARG:CB	1:O:113:TYR:CD2	1	3.45
(2,4)	1:D:18:ARG:CB	1:P:113:TYR:CD2	1	3.45
(2,4)	1:D:18:ARG:CB	1:M:113:TYR:CD2	1	3.45
(2,4)	1:C:18:ARG:CB	1:L:113:TYR:CD2	1	3.45
(2,4)	1:C:18:ARG:CB	1:K:113:TYR:CD2	1	3.45
(2,4)	1:C:18:ARG:CB	1:N:113:TYR:CD2	1	3.45
(2,4)	1:C:18:ARG:CB	1:J:113:TYR:CD2	1	3.45
(2,4)	1:C:18:ARG:CB	1:I:113:TYR:CD2	1	3.45
(2,4)	1:C:18:ARG:CB	1:O:113:TYR:CD2	1	3.45
(2,4)	1:C:18:ARG:CB	1:P:113:TYR:CD2	1	3.45
(2,4)	1:C:18:ARG:CB	1:M:113:TYR:CD2	1	3.45
(2,4)	1:G:18:ARG:CB	1:L:113:TYR:CD2	1	3.45
(2,4)	1:G:18:ARG:CB	1:K:113:TYR:CD2	1	3.45
(2,4)	1:G:18:ARG:CB	1:N:113:TYR:CD2	1	3.45
(2,4)	1:G:18:ARG:CB	1:J:113:TYR:CD2	1	3.45
(2,4)	1:G:18:ARG:CB	1:I:113:TYR:CD2	1	3.45
(2,4)	1:G:18:ARG:CB	1:O:113:TYR:CD2	1	3.45
(2,4)	1:G:18:ARG:CB	1:P:113:TYR:CD2	1	3.45
(2,4)	1:G:18:ARG:CB	1:M:113:TYR:CD2	1	3.45
(2,4)	1:H:18:ARG:CB	1:L:113:TYR:CD2	1	3.45
(2,4)	1:H:18:ARG:CB	1:K:113:TYR:CD2	1	3.45
(2,4)	1:H:18:ARG:CB	1:N:113:TYR:CD2	1	3.45
(2,4)	1:H:18:ARG:CB	1:J:113:TYR:CD2	1	3.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:H:18:ARG:CB	1:I:113:TYR:CD2	1	3.45
(2,4)	1:H:18:ARG:CB	1:O:113:TYR:CD2	1	3.45
(2,4)	1:H:18:ARG:CB	1:P:113:TYR:CD2	1	3.45
(2,4)	1:H:18:ARG:CB	1:M:113:TYR:CD2	1	3.45
(2,4)	1:B:18:ARG:CB	1:L:113:TYR:CD2	1	3.45
(2,4)	1:B:18:ARG:CB	1:K:113:TYR:CD2	1	3.45
(2,4)	1:B:18:ARG:CB	1:N:113:TYR:CD2	1	3.45
(2,4)	1:B:18:ARG:CB	1:J:113:TYR:CD2	1	3.45
(2,4)	1:B:18:ARG:CB	1:I:113:TYR:CD2	1	3.45
(2,4)	1:B:18:ARG:CB	1:O:113:TYR:CD2	1	3.45
(2,4)	1:B:18:ARG:CB	1:P:113:TYR:CD2	1	3.45
(2,4)	1:B:18:ARG:CB	1:M:113:TYR:CD2	1	3.45
(2,4)	1:A:18:ARG:CB	1:L:113:TYR:CD2	1	3.45
(2,4)	1:A:18:ARG:CB	1:K:113:TYR:CD2	1	3.45
(2,4)	1:A:18:ARG:CB	1:N:113:TYR:CD2	1	3.45
(2,4)	1:A:18:ARG:CB	1:J:113:TYR:CD2	1	3.45
(2,4)	1:A:18:ARG:CB	1:I:113:TYR:CD2	1	3.45
(2,4)	1:A:18:ARG:CB	1:O:113:TYR:CD2	1	3.45
(2,4)	1:A:18:ARG:CB	1:P:113:TYR:CD2	1	3.45
(2,4)	1:A:18:ARG:CB	1:M:113:TYR:CD2	1	3.45
(2,3)	1:C:13:TYR:CE2	1:I:118:ARG:CB	4	3.43
(2,3)	1:C:13:TYR:CE2	1:O:118:ARG:CB	4	3.43
(2,3)	1:C:13:TYR:CE2	1:P:118:ARG:CB	4	3.43
(2,3)	1:C:13:TYR:CE2	1:N:118:ARG:CB	4	3.43
(2,3)	1:C:13:TYR:CE2	1:M:118:ARG:CB	4	3.43
(2,3)	1:C:13:TYR:CE2	1:J:118:ARG:CB	4	3.43
(2,3)	1:C:13:TYR:CE2	1:K:118:ARG:CB	4	3.43
(2,3)	1:C:13:TYR:CE2	1:L:118:ARG:CB	4	3.43
(2,3)	1:H:13:TYR:CE2	1:I:118:ARG:CB	4	3.43
(2,3)	1:H:13:TYR:CE2	1:O:118:ARG:CB	4	3.43
(2,3)	1:H:13:TYR:CE2	1:P:118:ARG:CB	4	3.43
(2,3)	1:H:13:TYR:CE2	1:N:118:ARG:CB	4	3.43
(2,3)	1:H:13:TYR:CE2	1:M:118:ARG:CB	4	3.43
(2,3)	1:H:13:TYR:CE2	1:J:118:ARG:CB	4	3.43
(2,3)	1:H:13:TYR:CE2	1:K:118:ARG:CB	4	3.43
(2,3)	1:H:13:TYR:CE2	1:L:118:ARG:CB	4	3.43
(2,3)	1:B:13:TYR:CE2	1:I:118:ARG:CB	4	3.43
(2,3)	1:B:13:TYR:CE2	1:O:118:ARG:CB	4	3.43
(2,3)	1:B:13:TYR:CE2	1:P:118:ARG:CB	4	3.43
(2,3)	1:B:13:TYR:CE2	1:N:118:ARG:CB	4	3.43
(2,3)	1:B:13:TYR:CE2	1:M:118:ARG:CB	4	3.43
(2,3)	1:B:13:TYR:CE2	1:J:118:ARG:CB	4	3.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:B:13:TYR:CE2	1:K:118:ARG:CB	4	3.43
(2,3)	1:B:13:TYR:CE2	1:L:118:ARG:CB	4	3.43
(2,3)	1:A:13:TYR:CE2	1:I:118:ARG:CB	4	3.43
(2,3)	1:A:13:TYR:CE2	1:O:118:ARG:CB	4	3.43
(2,3)	1:A:13:TYR:CE2	1:P:118:ARG:CB	4	3.43
(2,3)	1:A:13:TYR:CE2	1:N:118:ARG:CB	4	3.43
(2,3)	1:A:13:TYR:CE2	1:M:118:ARG:CB	4	3.43
(2,3)	1:A:13:TYR:CE2	1:J:118:ARG:CB	4	3.43
(2,3)	1:A:13:TYR:CE2	1:K:118:ARG:CB	4	3.43
(2,3)	1:A:13:TYR:CE2	1:L:118:ARG:CB	4	3.43
(2,3)	1:G:13:TYR:CE2	1:I:118:ARG:CB	4	3.43
(2,3)	1:G:13:TYR:CE2	1:O:118:ARG:CB	4	3.43
(2,3)	1:G:13:TYR:CE2	1:P:118:ARG:CB	4	3.43
(2,3)	1:G:13:TYR:CE2	1:N:118:ARG:CB	4	3.43
(2,3)	1:G:13:TYR:CE2	1:M:118:ARG:CB	4	3.43
(2,3)	1:G:13:TYR:CE2	1:J:118:ARG:CB	4	3.43
(2,3)	1:G:13:TYR:CE2	1:K:118:ARG:CB	4	3.43
(2,3)	1:G:13:TYR:CE2	1:L:118:ARG:CB	4	3.43
(2,3)	1:F:13:TYR:CE2	1:I:118:ARG:CB	4	3.43
(2,3)	1:F:13:TYR:CE2	1:O:118:ARG:CB	4	3.43
(2,3)	1:F:13:TYR:CE2	1:P:118:ARG:CB	4	3.43
(2,3)	1:F:13:TYR:CE2	1:N:118:ARG:CB	4	3.43
(2,3)	1:F:13:TYR:CE2	1:M:118:ARG:CB	4	3.43
(2,3)	1:F:13:TYR:CE2	1:J:118:ARG:CB	4	3.43
(2,3)	1:F:13:TYR:CE2	1:K:118:ARG:CB	4	3.43
(2,3)	1:F:13:TYR:CE2	1:L:118:ARG:CB	4	3.43
(2,3)	1:E:13:TYR:CE2	1:I:118:ARG:CB	4	3.43
(2,3)	1:E:13:TYR:CE2	1:O:118:ARG:CB	4	3.43
(2,3)	1:E:13:TYR:CE2	1:P:118:ARG:CB	4	3.43
(2,3)	1:E:13:TYR:CE2	1:N:118:ARG:CB	4	3.43
(2,3)	1:E:13:TYR:CE2	1:M:118:ARG:CB	4	3.43
(2,3)	1:E:13:TYR:CE2	1:J:118:ARG:CB	4	3.43
(2,3)	1:E:13:TYR:CE2	1:K:118:ARG:CB	4	3.43
(2,3)	1:E:13:TYR:CE2	1:L:118:ARG:CB	4	3.43
(2,3)	1:D:13:TYR:CE2	1:I:118:ARG:CB	4	3.43
(2,3)	1:D:13:TYR:CE2	1:O:118:ARG:CB	4	3.43
(2,3)	1:D:13:TYR:CE2	1:P:118:ARG:CB	4	3.43
(2,3)	1:D:13:TYR:CE2	1:N:118:ARG:CB	4	3.43
(2,3)	1:D:13:TYR:CE2	1:M:118:ARG:CB	4	3.43
(2,3)	1:D:13:TYR:CE2	1:J:118:ARG:CB	4	3.43
(2,3)	1:D:13:TYR:CE2	1:K:118:ARG:CB	4	3.43
(2,3)	1:D:13:TYR:CE2	1:L:118:ARG:CB	4	3.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:F:18:ARG:CB	1:L:113:TYR:CD2	4	3.41
(2,4)	1:F:18:ARG:CB	1:K:113:TYR:CD2	4	3.41
(2,4)	1:F:18:ARG:CB	1:N:113:TYR:CD2	4	3.41
(2,4)	1:F:18:ARG:CB	1:J:113:TYR:CD2	4	3.41
(2,4)	1:F:18:ARG:CB	1:I:113:TYR:CD2	4	3.41
(2,4)	1:F:18:ARG:CB	1:O:113:TYR:CD2	4	3.41
(2,4)	1:F:18:ARG:CB	1:P:113:TYR:CD2	4	3.41
(2,4)	1:F:18:ARG:CB	1:M:113:TYR:CD2	4	3.41
(2,4)	1:E:18:ARG:CB	1:L:113:TYR:CD2	4	3.41
(2,4)	1:E:18:ARG:CB	1:K:113:TYR:CD2	4	3.41
(2,4)	1:E:18:ARG:CB	1:N:113:TYR:CD2	4	3.41
(2,4)	1:E:18:ARG:CB	1:J:113:TYR:CD2	4	3.41
(2,4)	1:E:18:ARG:CB	1:I:113:TYR:CD2	4	3.41
(2,4)	1:E:18:ARG:CB	1:O:113:TYR:CD2	4	3.41
(2,4)	1:E:18:ARG:CB	1:P:113:TYR:CD2	4	3.41
(2,4)	1:E:18:ARG:CB	1:M:113:TYR:CD2	4	3.41
(2,4)	1:D:18:ARG:CB	1:L:113:TYR:CD2	4	3.41
(2,4)	1:D:18:ARG:CB	1:K:113:TYR:CD2	4	3.41
(2,4)	1:D:18:ARG:CB	1:N:113:TYR:CD2	4	3.41
(2,4)	1:D:18:ARG:CB	1:J:113:TYR:CD2	4	3.41
(2,4)	1:D:18:ARG:CB	1:I:113:TYR:CD2	4	3.41
(2,4)	1:D:18:ARG:CB	1:O:113:TYR:CD2	4	3.41
(2,4)	1:D:18:ARG:CB	1:P:113:TYR:CD2	4	3.41
(2,4)	1:D:18:ARG:CB	1:M:113:TYR:CD2	4	3.41
(2,4)	1:C:18:ARG:CB	1:L:113:TYR:CD2	4	3.41
(2,4)	1:C:18:ARG:CB	1:K:113:TYR:CD2	4	3.41
(2,4)	1:C:18:ARG:CB	1:N:113:TYR:CD2	4	3.41
(2,4)	1:C:18:ARG:CB	1:J:113:TYR:CD2	4	3.41
(2,4)	1:C:18:ARG:CB	1:I:113:TYR:CD2	4	3.41
(2,4)	1:C:18:ARG:CB	1:O:113:TYR:CD2	4	3.41
(2,4)	1:C:18:ARG:CB	1:P:113:TYR:CD2	4	3.41
(2,4)	1:C:18:ARG:CB	1:M:113:TYR:CD2	4	3.41
(2,4)	1:G:18:ARG:CB	1:L:113:TYR:CD2	4	3.41
(2,4)	1:G:18:ARG:CB	1:K:113:TYR:CD2	4	3.41
(2,4)	1:G:18:ARG:CB	1:N:113:TYR:CD2	4	3.41
(2,4)	1:G:18:ARG:CB	1:J:113:TYR:CD2	4	3.41
(2,4)	1:G:18:ARG:CB	1:I:113:TYR:CD2	4	3.41
(2,4)	1:G:18:ARG:CB	1:O:113:TYR:CD2	4	3.41
(2,4)	1:G:18:ARG:CB	1:P:113:TYR:CD2	4	3.41
(2,4)	1:G:18:ARG:CB	1:M:113:TYR:CD2	4	3.41
(2,4)	1:H:18:ARG:CB	1:L:113:TYR:CD2	4	3.41
(2,4)	1:H:18:ARG:CB	1:K:113:TYR:CD2	4	3.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:H:18:ARG:CB	1:N:113:TYR:CD2	4	3.41
(2,4)	1:H:18:ARG:CB	1:J:113:TYR:CD2	4	3.41
(2,4)	1:H:18:ARG:CB	1:I:113:TYR:CD2	4	3.41
(2,4)	1:H:18:ARG:CB	1:O:113:TYR:CD2	4	3.41
(2,4)	1:H:18:ARG:CB	1:P:113:TYR:CD2	4	3.41
(2,4)	1:H:18:ARG:CB	1:M:113:TYR:CD2	4	3.41
(2,4)	1:B:18:ARG:CB	1:L:113:TYR:CD2	4	3.41
(2,4)	1:B:18:ARG:CB	1:K:113:TYR:CD2	4	3.41
(2,4)	1:B:18:ARG:CB	1:N:113:TYR:CD2	4	3.41
(2,4)	1:B:18:ARG:CB	1:J:113:TYR:CD2	4	3.41
(2,4)	1:B:18:ARG:CB	1:I:113:TYR:CD2	4	3.41
(2,4)	1:B:18:ARG:CB	1:O:113:TYR:CD2	4	3.41
(2,4)	1:B:18:ARG:CB	1:P:113:TYR:CD2	4	3.41
(2,4)	1:B:18:ARG:CB	1:M:113:TYR:CD2	4	3.41
(2,4)	1:A:18:ARG:CB	1:L:113:TYR:CD2	4	3.41
(2,4)	1:A:18:ARG:CB	1:K:113:TYR:CD2	4	3.41
(2,4)	1:A:18:ARG:CB	1:N:113:TYR:CD2	4	3.41
(2,4)	1:A:18:ARG:CB	1:J:113:TYR:CD2	4	3.41
(2,4)	1:A:18:ARG:CB	1:I:113:TYR:CD2	4	3.41
(2,4)	1:A:18:ARG:CB	1:O:113:TYR:CD2	4	3.41
(2,4)	1:A:18:ARG:CB	1:P:113:TYR:CD2	4	3.41
(2,4)	1:A:18:ARG:CB	1:M:113:TYR:CD2	4	3.41
(2,4)	1:F:18:ARG:CB	1:L:113:TYR:CD2	2	3.38
(2,4)	1:F:18:ARG:CB	1:K:113:TYR:CD2	2	3.38
(2,4)	1:F:18:ARG:CB	1:N:113:TYR:CD2	2	3.38
(2,4)	1:F:18:ARG:CB	1:J:113:TYR:CD2	2	3.38
(2,4)	1:F:18:ARG:CB	1:I:113:TYR:CD2	2	3.38
(2,4)	1:F:18:ARG:CB	1:O:113:TYR:CD2	2	3.38
(2,4)	1:F:18:ARG:CB	1:P:113:TYR:CD2	2	3.38
(2,4)	1:F:18:ARG:CB	1:M:113:TYR:CD2	2	3.38
(2,4)	1:E:18:ARG:CB	1:L:113:TYR:CD2	2	3.38
(2,4)	1:E:18:ARG:CB	1:K:113:TYR:CD2	2	3.38
(2,4)	1:E:18:ARG:CB	1:N:113:TYR:CD2	2	3.38
(2,4)	1:E:18:ARG:CB	1:J:113:TYR:CD2	2	3.38
(2,4)	1:E:18:ARG:CB	1:I:113:TYR:CD2	2	3.38
(2,4)	1:E:18:ARG:CB	1:O:113:TYR:CD2	2	3.38
(2,4)	1:E:18:ARG:CB	1:P:113:TYR:CD2	2	3.38
(2,4)	1:E:18:ARG:CB	1:M:113:TYR:CD2	2	3.38
(2,4)	1:D:18:ARG:CB	1:L:113:TYR:CD2	2	3.38
(2,4)	1:D:18:ARG:CB	1:K:113:TYR:CD2	2	3.38
(2,4)	1:D:18:ARG:CB	1:N:113:TYR:CD2	2	3.38
(2,4)	1:D:18:ARG:CB	1:J:113:TYR:CD2	2	3.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:D:18:ARG:CB	1:I:113:TYR:CD2	2	3.38
(2,4)	1:D:18:ARG:CB	1:O:113:TYR:CD2	2	3.38
(2,4)	1:D:18:ARG:CB	1:P:113:TYR:CD2	2	3.38
(2,4)	1:D:18:ARG:CB	1:M:113:TYR:CD2	2	3.38
(2,4)	1:C:18:ARG:CB	1:L:113:TYR:CD2	2	3.38
(2,4)	1:C:18:ARG:CB	1:K:113:TYR:CD2	2	3.38
(2,4)	1:C:18:ARG:CB	1:N:113:TYR:CD2	2	3.38
(2,4)	1:C:18:ARG:CB	1:J:113:TYR:CD2	2	3.38
(2,4)	1:C:18:ARG:CB	1:I:113:TYR:CD2	2	3.38
(2,4)	1:C:18:ARG:CB	1:O:113:TYR:CD2	2	3.38
(2,4)	1:C:18:ARG:CB	1:P:113:TYR:CD2	2	3.38
(2,4)	1:C:18:ARG:CB	1:M:113:TYR:CD2	2	3.38
(2,4)	1:G:18:ARG:CB	1:L:113:TYR:CD2	2	3.38
(2,4)	1:G:18:ARG:CB	1:K:113:TYR:CD2	2	3.38
(2,4)	1:G:18:ARG:CB	1:N:113:TYR:CD2	2	3.38
(2,4)	1:G:18:ARG:CB	1:J:113:TYR:CD2	2	3.38
(2,4)	1:G:18:ARG:CB	1:I:113:TYR:CD2	2	3.38
(2,4)	1:G:18:ARG:CB	1:O:113:TYR:CD2	2	3.38
(2,4)	1:G:18:ARG:CB	1:P:113:TYR:CD2	2	3.38
(2,4)	1:G:18:ARG:CB	1:M:113:TYR:CD2	2	3.38
(2,4)	1:H:18:ARG:CB	1:L:113:TYR:CD2	2	3.38
(2,4)	1:H:18:ARG:CB	1:K:113:TYR:CD2	2	3.38
(2,4)	1:H:18:ARG:CB	1:N:113:TYR:CD2	2	3.38
(2,4)	1:H:18:ARG:CB	1:J:113:TYR:CD2	2	3.38
(2,4)	1:H:18:ARG:CB	1:I:113:TYR:CD2	2	3.38
(2,4)	1:H:18:ARG:CB	1:O:113:TYR:CD2	2	3.38
(2,4)	1:H:18:ARG:CB	1:P:113:TYR:CD2	2	3.38
(2,4)	1:H:18:ARG:CB	1:M:113:TYR:CD2	2	3.38
(2,4)	1:B:18:ARG:CB	1:L:113:TYR:CD2	2	3.38
(2,4)	1:B:18:ARG:CB	1:K:113:TYR:CD2	2	3.38
(2,4)	1:B:18:ARG:CB	1:N:113:TYR:CD2	2	3.38
(2,4)	1:B:18:ARG:CB	1:J:113:TYR:CD2	2	3.38
(2,4)	1:B:18:ARG:CB	1:I:113:TYR:CD2	2	3.38
(2,4)	1:B:18:ARG:CB	1:O:113:TYR:CD2	2	3.38
(2,4)	1:B:18:ARG:CB	1:P:113:TYR:CD2	2	3.38
(2,4)	1:B:18:ARG:CB	1:M:113:TYR:CD2	2	3.38
(2,4)	1:A:18:ARG:CB	1:L:113:TYR:CD2	2	3.38
(2,4)	1:A:18:ARG:CB	1:K:113:TYR:CD2	2	3.38
(2,4)	1:A:18:ARG:CB	1:N:113:TYR:CD2	2	3.38
(2,4)	1:A:18:ARG:CB	1:J:113:TYR:CD2	2	3.38
(2,4)	1:A:18:ARG:CB	1:I:113:TYR:CD2	2	3.38
(2,4)	1:A:18:ARG:CB	1:O:113:TYR:CD2	2	3.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:A:18:ARG:CB	1:P:113:TYR:CD2	2	3.38
(2,4)	1:A:18:ARG:CB	1:M:113:TYR:CD2	2	3.38
(2,3)	1:C:13:TYR:CE2	1:I:118:ARG:CB	9	3.38
(2,3)	1:C:13:TYR:CE2	1:O:118:ARG:CB	9	3.38
(2,3)	1:C:13:TYR:CE2	1:P:118:ARG:CB	9	3.38
(2,3)	1:C:13:TYR:CE2	1:N:118:ARG:CB	9	3.38
(2,3)	1:C:13:TYR:CE2	1:M:118:ARG:CB	9	3.38
(2,3)	1:C:13:TYR:CE2	1:J:118:ARG:CB	9	3.38
(2,3)	1:C:13:TYR:CE2	1:K:118:ARG:CB	9	3.38
(2,3)	1:C:13:TYR:CE2	1:L:118:ARG:CB	9	3.38
(2,3)	1:H:13:TYR:CE2	1:I:118:ARG:CB	9	3.38
(2,3)	1:H:13:TYR:CE2	1:O:118:ARG:CB	9	3.38
(2,3)	1:H:13:TYR:CE2	1:P:118:ARG:CB	9	3.38
(2,3)	1:H:13:TYR:CE2	1:N:118:ARG:CB	9	3.38
(2,3)	1:H:13:TYR:CE2	1:M:118:ARG:CB	9	3.38
(2,3)	1:H:13:TYR:CE2	1:J:118:ARG:CB	9	3.38
(2,3)	1:H:13:TYR:CE2	1:K:118:ARG:CB	9	3.38
(2,3)	1:H:13:TYR:CE2	1:L:118:ARG:CB	9	3.38
(2,3)	1:B:13:TYR:CE2	1:I:118:ARG:CB	9	3.38
(2,3)	1:B:13:TYR:CE2	1:O:118:ARG:CB	9	3.38
(2,3)	1:B:13:TYR:CE2	1:P:118:ARG:CB	9	3.38
(2,3)	1:B:13:TYR:CE2	1:N:118:ARG:CB	9	3.38
(2,3)	1:B:13:TYR:CE2	1:M:118:ARG:CB	9	3.38
(2,3)	1:B:13:TYR:CE2	1:J:118:ARG:CB	9	3.38
(2,3)	1:B:13:TYR:CE2	1:K:118:ARG:CB	9	3.38
(2,3)	1:B:13:TYR:CE2	1:L:118:ARG:CB	9	3.38
(2,3)	1:A:13:TYR:CE2	1:I:118:ARG:CB	9	3.38
(2,3)	1:A:13:TYR:CE2	1:O:118:ARG:CB	9	3.38
(2,3)	1:A:13:TYR:CE2	1:P:118:ARG:CB	9	3.38
(2,3)	1:A:13:TYR:CE2	1:N:118:ARG:CB	9	3.38
(2,3)	1:A:13:TYR:CE2	1:M:118:ARG:CB	9	3.38
(2,3)	1:A:13:TYR:CE2	1:J:118:ARG:CB	9	3.38
(2,3)	1:A:13:TYR:CE2	1:K:118:ARG:CB	9	3.38
(2,3)	1:A:13:TYR:CE2	1:L:118:ARG:CB	9	3.38
(2,3)	1:G:13:TYR:CE2	1:I:118:ARG:CB	9	3.38
(2,3)	1:G:13:TYR:CE2	1:O:118:ARG:CB	9	3.38
(2,3)	1:G:13:TYR:CE2	1:P:118:ARG:CB	9	3.38
(2,3)	1:G:13:TYR:CE2	1:N:118:ARG:CB	9	3.38
(2,3)	1:G:13:TYR:CE2	1:M:118:ARG:CB	9	3.38
(2,3)	1:G:13:TYR:CE2	1:J:118:ARG:CB	9	3.38
(2,3)	1:G:13:TYR:CE2	1:K:118:ARG:CB	9	3.38
(2,3)	1:G:13:TYR:CE2	1:L:118:ARG:CB	9	3.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:F:13:TYR:CE2	1:I:118:ARG:CB	9	3.38
(2,3)	1:F:13:TYR:CE2	1:O:118:ARG:CB	9	3.38
(2,3)	1:F:13:TYR:CE2	1:P:118:ARG:CB	9	3.38
(2,3)	1:F:13:TYR:CE2	1:N:118:ARG:CB	9	3.38
(2,3)	1:F:13:TYR:CE2	1:M:118:ARG:CB	9	3.38
(2,3)	1:F:13:TYR:CE2	1:J:118:ARG:CB	9	3.38
(2,3)	1:F:13:TYR:CE2	1:K:118:ARG:CB	9	3.38
(2,3)	1:F:13:TYR:CE2	1:L:118:ARG:CB	9	3.38
(2,3)	1:E:13:TYR:CE2	1:I:118:ARG:CB	9	3.38
(2,3)	1:E:13:TYR:CE2	1:O:118:ARG:CB	9	3.38
(2,3)	1:E:13:TYR:CE2	1:P:118:ARG:CB	9	3.38
(2,3)	1:E:13:TYR:CE2	1:N:118:ARG:CB	9	3.38
(2,3)	1:E:13:TYR:CE2	1:M:118:ARG:CB	9	3.38
(2,3)	1:E:13:TYR:CE2	1:J:118:ARG:CB	9	3.38
(2,3)	1:E:13:TYR:CE2	1:K:118:ARG:CB	9	3.38
(2,3)	1:E:13:TYR:CE2	1:L:118:ARG:CB	9	3.38
(2,3)	1:D:13:TYR:CE2	1:I:118:ARG:CB	9	3.38
(2,3)	1:D:13:TYR:CE2	1:O:118:ARG:CB	9	3.38
(2,3)	1:D:13:TYR:CE2	1:P:118:ARG:CB	9	3.38
(2,3)	1:D:13:TYR:CE2	1:N:118:ARG:CB	9	3.38
(2,3)	1:D:13:TYR:CE2	1:M:118:ARG:CB	9	3.38
(2,3)	1:D:13:TYR:CE2	1:J:118:ARG:CB	9	3.38
(2,3)	1:D:13:TYR:CE2	1:K:118:ARG:CB	9	3.38
(2,3)	1:D:13:TYR:CE2	1:L:118:ARG:CB	9	3.38
(2,3)	1:C:13:TYR:CE2	1:I:118:ARG:CB	6	3.32
(2,3)	1:C:13:TYR:CE2	1:O:118:ARG:CB	6	3.32
(2,3)	1:C:13:TYR:CE2	1:P:118:ARG:CB	6	3.32
(2,3)	1:C:13:TYR:CE2	1:N:118:ARG:CB	6	3.32
(2,3)	1:C:13:TYR:CE2	1:M:118:ARG:CB	6	3.32
(2,3)	1:C:13:TYR:CE2	1:J:118:ARG:CB	6	3.32
(2,3)	1:C:13:TYR:CE2	1:K:118:ARG:CB	6	3.32
(2,3)	1:C:13:TYR:CE2	1:L:118:ARG:CB	6	3.32
(2,3)	1:H:13:TYR:CE2	1:I:118:ARG:CB	6	3.32
(2,3)	1:H:13:TYR:CE2	1:O:118:ARG:CB	6	3.32
(2,3)	1:H:13:TYR:CE2	1:P:118:ARG:CB	6	3.32
(2,3)	1:H:13:TYR:CE2	1:N:118:ARG:CB	6	3.32
(2,3)	1:H:13:TYR:CE2	1:M:118:ARG:CB	6	3.32
(2,3)	1:H:13:TYR:CE2	1:J:118:ARG:CB	6	3.32
(2,3)	1:H:13:TYR:CE2	1:K:118:ARG:CB	6	3.32
(2,3)	1:H:13:TYR:CE2	1:L:118:ARG:CB	6	3.32
(2,3)	1:B:13:TYR:CE2	1:I:118:ARG:CB	6	3.32
(2,3)	1:B:13:TYR:CE2	1:O:118:ARG:CB	6	3.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:B:13:TYR:CE2	1:P:118:ARG:CB	6	3.32
(2,3)	1:B:13:TYR:CE2	1:N:118:ARG:CB	6	3.32
(2,3)	1:B:13:TYR:CE2	1:M:118:ARG:CB	6	3.32
(2,3)	1:B:13:TYR:CE2	1:J:118:ARG:CB	6	3.32
(2,3)	1:B:13:TYR:CE2	1:K:118:ARG:CB	6	3.32
(2,3)	1:B:13:TYR:CE2	1:L:118:ARG:CB	6	3.32
(2,3)	1:A:13:TYR:CE2	1:I:118:ARG:CB	6	3.32
(2,3)	1:A:13:TYR:CE2	1:O:118:ARG:CB	6	3.32
(2,3)	1:A:13:TYR:CE2	1:P:118:ARG:CB	6	3.32
(2,3)	1:A:13:TYR:CE2	1:N:118:ARG:CB	6	3.32
(2,3)	1:A:13:TYR:CE2	1:M:118:ARG:CB	6	3.32
(2,3)	1:A:13:TYR:CE2	1:J:118:ARG:CB	6	3.32
(2,3)	1:A:13:TYR:CE2	1:K:118:ARG:CB	6	3.32
(2,3)	1:A:13:TYR:CE2	1:L:118:ARG:CB	6	3.32
(2,3)	1:G:13:TYR:CE2	1:I:118:ARG:CB	6	3.32
(2,3)	1:G:13:TYR:CE2	1:O:118:ARG:CB	6	3.32
(2,3)	1:G:13:TYR:CE2	1:P:118:ARG:CB	6	3.32
(2,3)	1:G:13:TYR:CE2	1:N:118:ARG:CB	6	3.32
(2,3)	1:G:13:TYR:CE2	1:M:118:ARG:CB	6	3.32
(2,3)	1:G:13:TYR:CE2	1:J:118:ARG:CB	6	3.32
(2,3)	1:G:13:TYR:CE2	1:K:118:ARG:CB	6	3.32
(2,3)	1:G:13:TYR:CE2	1:L:118:ARG:CB	6	3.32
(2,3)	1:F:13:TYR:CE2	1:I:118:ARG:CB	6	3.32
(2,3)	1:F:13:TYR:CE2	1:O:118:ARG:CB	6	3.32
(2,3)	1:F:13:TYR:CE2	1:P:118:ARG:CB	6	3.32
(2,3)	1:F:13:TYR:CE2	1:N:118:ARG:CB	6	3.32
(2,3)	1:F:13:TYR:CE2	1:M:118:ARG:CB	6	3.32
(2,3)	1:F:13:TYR:CE2	1:J:118:ARG:CB	6	3.32
(2,3)	1:F:13:TYR:CE2	1:K:118:ARG:CB	6	3.32
(2,3)	1:F:13:TYR:CE2	1:L:118:ARG:CB	6	3.32
(2,3)	1:E:13:TYR:CE2	1:I:118:ARG:CB	6	3.32
(2,3)	1:E:13:TYR:CE2	1:O:118:ARG:CB	6	3.32
(2,3)	1:E:13:TYR:CE2	1:P:118:ARG:CB	6	3.32
(2,3)	1:E:13:TYR:CE2	1:N:118:ARG:CB	6	3.32
(2,3)	1:E:13:TYR:CE2	1:M:118:ARG:CB	6	3.32
(2,3)	1:E:13:TYR:CE2	1:J:118:ARG:CB	6	3.32
(2,3)	1:E:13:TYR:CE2	1:K:118:ARG:CB	6	3.32
(2,3)	1:E:13:TYR:CE2	1:L:118:ARG:CB	6	3.32
(2,3)	1:D:13:TYR:CE2	1:I:118:ARG:CB	6	3.32
(2,3)	1:D:13:TYR:CE2	1:O:118:ARG:CB	6	3.32
(2,3)	1:D:13:TYR:CE2	1:P:118:ARG:CB	6	3.32
(2,3)	1:D:13:TYR:CE2	1:N:118:ARG:CB	6	3.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:D:13:TYR:CE2	1:M:118:ARG:CB	6	3.32
(2,3)	1:D:13:TYR:CE2	1:J:118:ARG:CB	6	3.32
(2,3)	1:D:13:TYR:CE2	1:K:118:ARG:CB	6	3.32
(2,3)	1:D:13:TYR:CE2	1:L:118:ARG:CB	6	3.32
(2,4)	1:F:18:ARG:CB	1:L:113:TYR:CD2	5	3.31
(2,4)	1:F:18:ARG:CB	1:K:113:TYR:CD2	5	3.31
(2,4)	1:F:18:ARG:CB	1:N:113:TYR:CD2	5	3.31
(2,4)	1:F:18:ARG:CB	1:J:113:TYR:CD2	5	3.31
(2,4)	1:F:18:ARG:CB	1:I:113:TYR:CD2	5	3.31
(2,4)	1:F:18:ARG:CB	1:O:113:TYR:CD2	5	3.31
(2,4)	1:F:18:ARG:CB	1:P:113:TYR:CD2	5	3.31
(2,4)	1:F:18:ARG:CB	1:M:113:TYR:CD2	5	3.31
(2,4)	1:E:18:ARG:CB	1:L:113:TYR:CD2	5	3.31
(2,4)	1:E:18:ARG:CB	1:K:113:TYR:CD2	5	3.31
(2,4)	1:E:18:ARG:CB	1:N:113:TYR:CD2	5	3.31
(2,4)	1:E:18:ARG:CB	1:J:113:TYR:CD2	5	3.31
(2,4)	1:E:18:ARG:CB	1:I:113:TYR:CD2	5	3.31
(2,4)	1:E:18:ARG:CB	1:O:113:TYR:CD2	5	3.31
(2,4)	1:E:18:ARG:CB	1:P:113:TYR:CD2	5	3.31
(2,4)	1:E:18:ARG:CB	1:M:113:TYR:CD2	5	3.31
(2,4)	1:D:18:ARG:CB	1:L:113:TYR:CD2	5	3.31
(2,4)	1:D:18:ARG:CB	1:K:113:TYR:CD2	5	3.31
(2,4)	1:D:18:ARG:CB	1:N:113:TYR:CD2	5	3.31
(2,4)	1:D:18:ARG:CB	1:J:113:TYR:CD2	5	3.31
(2,4)	1:D:18:ARG:CB	1:I:113:TYR:CD2	5	3.31
(2,4)	1:D:18:ARG:CB	1:O:113:TYR:CD2	5	3.31
(2,4)	1:D:18:ARG:CB	1:P:113:TYR:CD2	5	3.31
(2,4)	1:D:18:ARG:CB	1:M:113:TYR:CD2	5	3.31
(2,4)	1:C:18:ARG:CB	1:L:113:TYR:CD2	5	3.31
(2,4)	1:C:18:ARG:CB	1:K:113:TYR:CD2	5	3.31
(2,4)	1:C:18:ARG:CB	1:N:113:TYR:CD2	5	3.31
(2,4)	1:C:18:ARG:CB	1:J:113:TYR:CD2	5	3.31
(2,4)	1:C:18:ARG:CB	1:I:113:TYR:CD2	5	3.31
(2,4)	1:C:18:ARG:CB	1:O:113:TYR:CD2	5	3.31
(2,4)	1:C:18:ARG:CB	1:P:113:TYR:CD2	5	3.31
(2,4)	1:C:18:ARG:CB	1:M:113:TYR:CD2	5	3.31
(2,4)	1:G:18:ARG:CB	1:L:113:TYR:CD2	5	3.31
(2,4)	1:G:18:ARG:CB	1:K:113:TYR:CD2	5	3.31
(2,4)	1:G:18:ARG:CB	1:N:113:TYR:CD2	5	3.31
(2,4)	1:G:18:ARG:CB	1:J:113:TYR:CD2	5	3.31
(2,4)	1:G:18:ARG:CB	1:I:113:TYR:CD2	5	3.31
(2,4)	1:G:18:ARG:CB	1:O:113:TYR:CD2	5	3.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:G:18:ARG:CB	1:P:113:TYR:CD2	5	3.31
(2,4)	1:G:18:ARG:CB	1:M:113:TYR:CD2	5	3.31
(2,4)	1:H:18:ARG:CB	1:L:113:TYR:CD2	5	3.31
(2,4)	1:H:18:ARG:CB	1:K:113:TYR:CD2	5	3.31
(2,4)	1:H:18:ARG:CB	1:N:113:TYR:CD2	5	3.31
(2,4)	1:H:18:ARG:CB	1:J:113:TYR:CD2	5	3.31
(2,4)	1:H:18:ARG:CB	1:I:113:TYR:CD2	5	3.31
(2,4)	1:H:18:ARG:CB	1:O:113:TYR:CD2	5	3.31
(2,4)	1:H:18:ARG:CB	1:P:113:TYR:CD2	5	3.31
(2,4)	1:H:18:ARG:CB	1:M:113:TYR:CD2	5	3.31
(2,4)	1:B:18:ARG:CB	1:L:113:TYR:CD2	5	3.31
(2,4)	1:B:18:ARG:CB	1:K:113:TYR:CD2	5	3.31
(2,4)	1:B:18:ARG:CB	1:N:113:TYR:CD2	5	3.31
(2,4)	1:B:18:ARG:CB	1:J:113:TYR:CD2	5	3.31
(2,4)	1:B:18:ARG:CB	1:I:113:TYR:CD2	5	3.31
(2,4)	1:B:18:ARG:CB	1:O:113:TYR:CD2	5	3.31
(2,4)	1:B:18:ARG:CB	1:P:113:TYR:CD2	5	3.31
(2,4)	1:B:18:ARG:CB	1:M:113:TYR:CD2	5	3.31
(2,4)	1:A:18:ARG:CB	1:L:113:TYR:CD2	5	3.31
(2,4)	1:A:18:ARG:CB	1:K:113:TYR:CD2	5	3.31
(2,4)	1:A:18:ARG:CB	1:N:113:TYR:CD2	5	3.31
(2,4)	1:A:18:ARG:CB	1:J:113:TYR:CD2	5	3.31
(2,4)	1:A:18:ARG:CB	1:I:113:TYR:CD2	5	3.31
(2,4)	1:A:18:ARG:CB	1:O:113:TYR:CD2	5	3.31
(2,4)	1:A:18:ARG:CB	1:P:113:TYR:CD2	5	3.31
(2,4)	1:A:18:ARG:CB	1:M:113:TYR:CD2	5	3.31
(2,3)	1:C:13:TYR:CE2	1:I:118:ARG:CB	5	3.3
(2,3)	1:C:13:TYR:CE2	1:O:118:ARG:CB	5	3.3
(2,3)	1:C:13:TYR:CE2	1:P:118:ARG:CB	5	3.3
(2,3)	1:C:13:TYR:CE2	1:N:118:ARG:CB	5	3.3
(2,3)	1:C:13:TYR:CE2	1:M:118:ARG:CB	5	3.3
(2,3)	1:C:13:TYR:CE2	1:J:118:ARG:CB	5	3.3
(2,3)	1:C:13:TYR:CE2	1:K:118:ARG:CB	5	3.3
(2,3)	1:C:13:TYR:CE2	1:L:118:ARG:CB	5	3.3
(2,3)	1:H:13:TYR:CE2	1:I:118:ARG:CB	5	3.3
(2,3)	1:H:13:TYR:CE2	1:O:118:ARG:CB	5	3.3
(2,3)	1:H:13:TYR:CE2	1:P:118:ARG:CB	5	3.3
(2,3)	1:H:13:TYR:CE2	1:N:118:ARG:CB	5	3.3
(2,3)	1:H:13:TYR:CE2	1:M:118:ARG:CB	5	3.3
(2,3)	1:H:13:TYR:CE2	1:J:118:ARG:CB	5	3.3
(2,3)	1:H:13:TYR:CE2	1:K:118:ARG:CB	5	3.3
(2,3)	1:H:13:TYR:CE2	1:L:118:ARG:CB	5	3.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:B:13:TYR:CE2	1:I:118:ARG:CB	5	3.3
(2,3)	1:B:13:TYR:CE2	1:O:118:ARG:CB	5	3.3
(2,3)	1:B:13:TYR:CE2	1:P:118:ARG:CB	5	3.3
(2,3)	1:B:13:TYR:CE2	1:N:118:ARG:CB	5	3.3
(2,3)	1:B:13:TYR:CE2	1:M:118:ARG:CB	5	3.3
(2,3)	1:B:13:TYR:CE2	1:J:118:ARG:CB	5	3.3
(2,3)	1:B:13:TYR:CE2	1:K:118:ARG:CB	5	3.3
(2,3)	1:B:13:TYR:CE2	1:L:118:ARG:CB	5	3.3
(2,3)	1:A:13:TYR:CE2	1:I:118:ARG:CB	5	3.3
(2,3)	1:A:13:TYR:CE2	1:O:118:ARG:CB	5	3.3
(2,3)	1:A:13:TYR:CE2	1:P:118:ARG:CB	5	3.3
(2,3)	1:A:13:TYR:CE2	1:N:118:ARG:CB	5	3.3
(2,3)	1:A:13:TYR:CE2	1:M:118:ARG:CB	5	3.3
(2,3)	1:A:13:TYR:CE2	1:J:118:ARG:CB	5	3.3
(2,3)	1:A:13:TYR:CE2	1:K:118:ARG:CB	5	3.3
(2,3)	1:A:13:TYR:CE2	1:L:118:ARG:CB	5	3.3
(2,3)	1:G:13:TYR:CE2	1:I:118:ARG:CB	5	3.3
(2,3)	1:G:13:TYR:CE2	1:O:118:ARG:CB	5	3.3
(2,3)	1:G:13:TYR:CE2	1:P:118:ARG:CB	5	3.3
(2,3)	1:G:13:TYR:CE2	1:N:118:ARG:CB	5	3.3
(2,3)	1:G:13:TYR:CE2	1:M:118:ARG:CB	5	3.3
(2,3)	1:G:13:TYR:CE2	1:J:118:ARG:CB	5	3.3
(2,3)	1:G:13:TYR:CE2	1:K:118:ARG:CB	5	3.3
(2,3)	1:G:13:TYR:CE2	1:L:118:ARG:CB	5	3.3
(2,3)	1:F:13:TYR:CE2	1:I:118:ARG:CB	5	3.3
(2,3)	1:F:13:TYR:CE2	1:O:118:ARG:CB	5	3.3
(2,3)	1:F:13:TYR:CE2	1:P:118:ARG:CB	5	3.3
(2,3)	1:F:13:TYR:CE2	1:N:118:ARG:CB	5	3.3
(2,3)	1:F:13:TYR:CE2	1:M:118:ARG:CB	5	3.3
(2,3)	1:F:13:TYR:CE2	1:J:118:ARG:CB	5	3.3
(2,3)	1:F:13:TYR:CE2	1:K:118:ARG:CB	5	3.3
(2,3)	1:F:13:TYR:CE2	1:L:118:ARG:CB	5	3.3
(2,3)	1:E:13:TYR:CE2	1:I:118:ARG:CB	5	3.3
(2,3)	1:E:13:TYR:CE2	1:O:118:ARG:CB	5	3.3
(2,3)	1:E:13:TYR:CE2	1:P:118:ARG:CB	5	3.3
(2,3)	1:E:13:TYR:CE2	1:N:118:ARG:CB	5	3.3
(2,3)	1:E:13:TYR:CE2	1:M:118:ARG:CB	5	3.3
(2,3)	1:E:13:TYR:CE2	1:J:118:ARG:CB	5	3.3
(2,3)	1:E:13:TYR:CE2	1:K:118:ARG:CB	5	3.3
(2,3)	1:E:13:TYR:CE2	1:L:118:ARG:CB	5	3.3
(2,3)	1:D:13:TYR:CE2	1:I:118:ARG:CB	5	3.3
(2,3)	1:D:13:TYR:CE2	1:O:118:ARG:CB	5	3.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:D:13:TYR:CE2	1:P:118:ARG:CB	5	3.3
(2,3)	1:D:13:TYR:CE2	1:N:118:ARG:CB	5	3.3
(2,3)	1:D:13:TYR:CE2	1:M:118:ARG:CB	5	3.3
(2,3)	1:D:13:TYR:CE2	1:J:118:ARG:CB	5	3.3
(2,3)	1:D:13:TYR:CE2	1:K:118:ARG:CB	5	3.3
(2,3)	1:D:13:TYR:CE2	1:L:118:ARG:CB	5	3.3
(2,4)	1:F:18:ARG:CB	1:L:113:TYR:CD2	7	3.29
(2,4)	1:F:18:ARG:CB	1:K:113:TYR:CD2	7	3.29
(2,4)	1:F:18:ARG:CB	1:N:113:TYR:CD2	7	3.29
(2,4)	1:F:18:ARG:CB	1:J:113:TYR:CD2	7	3.29
(2,4)	1:F:18:ARG:CB	1:I:113:TYR:CD2	7	3.29
(2,4)	1:F:18:ARG:CB	1:O:113:TYR:CD2	7	3.29
(2,4)	1:F:18:ARG:CB	1:P:113:TYR:CD2	7	3.29
(2,4)	1:F:18:ARG:CB	1:M:113:TYR:CD2	7	3.29
(2,4)	1:E:18:ARG:CB	1:L:113:TYR:CD2	7	3.29
(2,4)	1:E:18:ARG:CB	1:K:113:TYR:CD2	7	3.29
(2,4)	1:E:18:ARG:CB	1:N:113:TYR:CD2	7	3.29
(2,4)	1:E:18:ARG:CB	1:J:113:TYR:CD2	7	3.29
(2,4)	1:E:18:ARG:CB	1:I:113:TYR:CD2	7	3.29
(2,4)	1:E:18:ARG:CB	1:O:113:TYR:CD2	7	3.29
(2,4)	1:E:18:ARG:CB	1:P:113:TYR:CD2	7	3.29
(2,4)	1:E:18:ARG:CB	1:M:113:TYR:CD2	7	3.29
(2,4)	1:D:18:ARG:CB	1:L:113:TYR:CD2	7	3.29
(2,4)	1:D:18:ARG:CB	1:K:113:TYR:CD2	7	3.29
(2,4)	1:D:18:ARG:CB	1:N:113:TYR:CD2	7	3.29
(2,4)	1:D:18:ARG:CB	1:J:113:TYR:CD2	7	3.29
(2,4)	1:D:18:ARG:CB	1:I:113:TYR:CD2	7	3.29
(2,4)	1:D:18:ARG:CB	1:O:113:TYR:CD2	7	3.29
(2,4)	1:D:18:ARG:CB	1:P:113:TYR:CD2	7	3.29
(2,4)	1:D:18:ARG:CB	1:M:113:TYR:CD2	7	3.29
(2,4)	1:C:18:ARG:CB	1:L:113:TYR:CD2	7	3.29
(2,4)	1:C:18:ARG:CB	1:K:113:TYR:CD2	7	3.29
(2,4)	1:C:18:ARG:CB	1:N:113:TYR:CD2	7	3.29
(2,4)	1:C:18:ARG:CB	1:J:113:TYR:CD2	7	3.29
(2,4)	1:C:18:ARG:CB	1:I:113:TYR:CD2	7	3.29
(2,4)	1:C:18:ARG:CB	1:O:113:TYR:CD2	7	3.29
(2,4)	1:C:18:ARG:CB	1:P:113:TYR:CD2	7	3.29
(2,4)	1:C:18:ARG:CB	1:M:113:TYR:CD2	7	3.29
(2,4)	1:G:18:ARG:CB	1:L:113:TYR:CD2	7	3.29
(2,4)	1:G:18:ARG:CB	1:K:113:TYR:CD2	7	3.29
(2,4)	1:G:18:ARG:CB	1:N:113:TYR:CD2	7	3.29
(2,4)	1:G:18:ARG:CB	1:J:113:TYR:CD2	7	3.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:G:18:ARG:CB	1:I:113:TYR:CD2	7	3.29
(2,4)	1:G:18:ARG:CB	1:O:113:TYR:CD2	7	3.29
(2,4)	1:G:18:ARG:CB	1:P:113:TYR:CD2	7	3.29
(2,4)	1:G:18:ARG:CB	1:M:113:TYR:CD2	7	3.29
(2,4)	1:H:18:ARG:CB	1:L:113:TYR:CD2	7	3.29
(2,4)	1:H:18:ARG:CB	1:K:113:TYR:CD2	7	3.29
(2,4)	1:H:18:ARG:CB	1:N:113:TYR:CD2	7	3.29
(2,4)	1:H:18:ARG:CB	1:J:113:TYR:CD2	7	3.29
(2,4)	1:H:18:ARG:CB	1:I:113:TYR:CD2	7	3.29
(2,4)	1:H:18:ARG:CB	1:O:113:TYR:CD2	7	3.29
(2,4)	1:H:18:ARG:CB	1:P:113:TYR:CD2	7	3.29
(2,4)	1:H:18:ARG:CB	1:M:113:TYR:CD2	7	3.29
(2,4)	1:B:18:ARG:CB	1:L:113:TYR:CD2	7	3.29
(2,4)	1:B:18:ARG:CB	1:K:113:TYR:CD2	7	3.29
(2,4)	1:B:18:ARG:CB	1:N:113:TYR:CD2	7	3.29
(2,4)	1:B:18:ARG:CB	1:J:113:TYR:CD2	7	3.29
(2,4)	1:B:18:ARG:CB	1:I:113:TYR:CD2	7	3.29
(2,4)	1:B:18:ARG:CB	1:O:113:TYR:CD2	7	3.29
(2,4)	1:B:18:ARG:CB	1:P:113:TYR:CD2	7	3.29
(2,4)	1:B:18:ARG:CB	1:M:113:TYR:CD2	7	3.29
(2,4)	1:A:18:ARG:CB	1:L:113:TYR:CD2	7	3.29
(2,4)	1:A:18:ARG:CB	1:K:113:TYR:CD2	7	3.29
(2,4)	1:A:18:ARG:CB	1:N:113:TYR:CD2	7	3.29
(2,4)	1:A:18:ARG:CB	1:J:113:TYR:CD2	7	3.29
(2,4)	1:A:18:ARG:CB	1:I:113:TYR:CD2	7	3.29
(2,4)	1:A:18:ARG:CB	1:O:113:TYR:CD2	7	3.29
(2,4)	1:A:18:ARG:CB	1:P:113:TYR:CD2	7	3.29
(2,4)	1:A:18:ARG:CB	1:M:113:TYR:CD2	7	3.29
(2,4)	1:F:18:ARG:CB	1:L:113:TYR:CD2	8	3.29
(2,4)	1:F:18:ARG:CB	1:K:113:TYR:CD2	8	3.29
(2,4)	1:F:18:ARG:CB	1:N:113:TYR:CD2	8	3.29
(2,4)	1:F:18:ARG:CB	1:J:113:TYR:CD2	8	3.29
(2,4)	1:F:18:ARG:CB	1:I:113:TYR:CD2	8	3.29
(2,4)	1:F:18:ARG:CB	1:O:113:TYR:CD2	8	3.29
(2,4)	1:F:18:ARG:CB	1:P:113:TYR:CD2	8	3.29
(2,4)	1:F:18:ARG:CB	1:M:113:TYR:CD2	8	3.29
(2,4)	1:E:18:ARG:CB	1:L:113:TYR:CD2	8	3.29
(2,4)	1:E:18:ARG:CB	1:K:113:TYR:CD2	8	3.29
(2,4)	1:E:18:ARG:CB	1:N:113:TYR:CD2	8	3.29
(2,4)	1:E:18:ARG:CB	1:J:113:TYR:CD2	8	3.29
(2,4)	1:E:18:ARG:CB	1:I:113:TYR:CD2	8	3.29
(2,4)	1:E:18:ARG:CB	1:O:113:TYR:CD2	8	3.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:E:18:ARG:CB	1:P:113:TYR:CD2	8	3.29
(2,4)	1:E:18:ARG:CB	1:M:113:TYR:CD2	8	3.29
(2,4)	1:D:18:ARG:CB	1:L:113:TYR:CD2	8	3.29
(2,4)	1:D:18:ARG:CB	1:K:113:TYR:CD2	8	3.29
(2,4)	1:D:18:ARG:CB	1:N:113:TYR:CD2	8	3.29
(2,4)	1:D:18:ARG:CB	1:J:113:TYR:CD2	8	3.29
(2,4)	1:D:18:ARG:CB	1:I:113:TYR:CD2	8	3.29
(2,4)	1:D:18:ARG:CB	1:O:113:TYR:CD2	8	3.29
(2,4)	1:D:18:ARG:CB	1:P:113:TYR:CD2	8	3.29
(2,4)	1:D:18:ARG:CB	1:M:113:TYR:CD2	8	3.29
(2,4)	1:C:18:ARG:CB	1:L:113:TYR:CD2	8	3.29
(2,4)	1:C:18:ARG:CB	1:K:113:TYR:CD2	8	3.29
(2,4)	1:C:18:ARG:CB	1:N:113:TYR:CD2	8	3.29
(2,4)	1:C:18:ARG:CB	1:J:113:TYR:CD2	8	3.29
(2,4)	1:C:18:ARG:CB	1:I:113:TYR:CD2	8	3.29
(2,4)	1:C:18:ARG:CB	1:O:113:TYR:CD2	8	3.29
(2,4)	1:C:18:ARG:CB	1:P:113:TYR:CD2	8	3.29
(2,4)	1:C:18:ARG:CB	1:M:113:TYR:CD2	8	3.29
(2,4)	1:G:18:ARG:CB	1:L:113:TYR:CD2	8	3.29
(2,4)	1:G:18:ARG:CB	1:K:113:TYR:CD2	8	3.29
(2,4)	1:G:18:ARG:CB	1:N:113:TYR:CD2	8	3.29
(2,4)	1:G:18:ARG:CB	1:J:113:TYR:CD2	8	3.29
(2,4)	1:G:18:ARG:CB	1:I:113:TYR:CD2	8	3.29
(2,4)	1:G:18:ARG:CB	1:O:113:TYR:CD2	8	3.29
(2,4)	1:G:18:ARG:CB	1:P:113:TYR:CD2	8	3.29
(2,4)	1:G:18:ARG:CB	1:M:113:TYR:CD2	8	3.29
(2,4)	1:H:18:ARG:CB	1:L:113:TYR:CD2	8	3.29
(2,4)	1:H:18:ARG:CB	1:K:113:TYR:CD2	8	3.29
(2,4)	1:H:18:ARG:CB	1:N:113:TYR:CD2	8	3.29
(2,4)	1:H:18:ARG:CB	1:J:113:TYR:CD2	8	3.29
(2,4)	1:H:18:ARG:CB	1:I:113:TYR:CD2	8	3.29
(2,4)	1:H:18:ARG:CB	1:O:113:TYR:CD2	8	3.29
(2,4)	1:H:18:ARG:CB	1:P:113:TYR:CD2	8	3.29
(2,4)	1:H:18:ARG:CB	1:M:113:TYR:CD2	8	3.29
(2,4)	1:B:18:ARG:CB	1:L:113:TYR:CD2	8	3.29
(2,4)	1:B:18:ARG:CB	1:K:113:TYR:CD2	8	3.29
(2,4)	1:B:18:ARG:CB	1:N:113:TYR:CD2	8	3.29
(2,4)	1:B:18:ARG:CB	1:J:113:TYR:CD2	8	3.29
(2,4)	1:B:18:ARG:CB	1:I:113:TYR:CD2	8	3.29
(2,4)	1:B:18:ARG:CB	1:O:113:TYR:CD2	8	3.29
(2,4)	1:B:18:ARG:CB	1:P:113:TYR:CD2	8	3.29
(2,4)	1:B:18:ARG:CB	1:M:113:TYR:CD2	8	3.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:A:18:ARG:CB	1:L:113:TYR:CD2	8	3.29
(2,4)	1:A:18:ARG:CB	1:K:113:TYR:CD2	8	3.29
(2,4)	1:A:18:ARG:CB	1:N:113:TYR:CD2	8	3.29
(2,4)	1:A:18:ARG:CB	1:J:113:TYR:CD2	8	3.29
(2,4)	1:A:18:ARG:CB	1:I:113:TYR:CD2	8	3.29
(2,4)	1:A:18:ARG:CB	1:O:113:TYR:CD2	8	3.29
(2,4)	1:A:18:ARG:CB	1:P:113:TYR:CD2	8	3.29
(2,4)	1:A:18:ARG:CB	1:M:113:TYR:CD2	8	3.29
(2,4)	1:F:18:ARG:CB	1:L:113:TYR:CD2	3	3.28
(2,4)	1:F:18:ARG:CB	1:K:113:TYR:CD2	3	3.28
(2,4)	1:F:18:ARG:CB	1:N:113:TYR:CD2	3	3.28
(2,4)	1:F:18:ARG:CB	1:J:113:TYR:CD2	3	3.28
(2,4)	1:F:18:ARG:CB	1:I:113:TYR:CD2	3	3.28
(2,4)	1:F:18:ARG:CB	1:O:113:TYR:CD2	3	3.28
(2,4)	1:F:18:ARG:CB	1:P:113:TYR:CD2	3	3.28
(2,4)	1:F:18:ARG:CB	1:M:113:TYR:CD2	3	3.28
(2,4)	1:E:18:ARG:CB	1:L:113:TYR:CD2	3	3.28
(2,4)	1:E:18:ARG:CB	1:K:113:TYR:CD2	3	3.28
(2,4)	1:E:18:ARG:CB	1:N:113:TYR:CD2	3	3.28
(2,4)	1:E:18:ARG:CB	1:J:113:TYR:CD2	3	3.28
(2,4)	1:E:18:ARG:CB	1:I:113:TYR:CD2	3	3.28
(2,4)	1:E:18:ARG:CB	1:O:113:TYR:CD2	3	3.28
(2,4)	1:E:18:ARG:CB	1:P:113:TYR:CD2	3	3.28
(2,4)	1:E:18:ARG:CB	1:M:113:TYR:CD2	3	3.28
(2,4)	1:D:18:ARG:CB	1:L:113:TYR:CD2	3	3.28
(2,4)	1:D:18:ARG:CB	1:K:113:TYR:CD2	3	3.28
(2,4)	1:D:18:ARG:CB	1:N:113:TYR:CD2	3	3.28
(2,4)	1:D:18:ARG:CB	1:J:113:TYR:CD2	3	3.28
(2,4)	1:D:18:ARG:CB	1:I:113:TYR:CD2	3	3.28
(2,4)	1:D:18:ARG:CB	1:O:113:TYR:CD2	3	3.28
(2,4)	1:D:18:ARG:CB	1:P:113:TYR:CD2	3	3.28
(2,4)	1:D:18:ARG:CB	1:M:113:TYR:CD2	3	3.28
(2,4)	1:C:18:ARG:CB	1:L:113:TYR:CD2	3	3.28
(2,4)	1:C:18:ARG:CB	1:K:113:TYR:CD2	3	3.28
(2,4)	1:C:18:ARG:CB	1:N:113:TYR:CD2	3	3.28
(2,4)	1:C:18:ARG:CB	1:J:113:TYR:CD2	3	3.28
(2,4)	1:C:18:ARG:CB	1:I:113:TYR:CD2	3	3.28
(2,4)	1:C:18:ARG:CB	1:O:113:TYR:CD2	3	3.28
(2,4)	1:C:18:ARG:CB	1:P:113:TYR:CD2	3	3.28
(2,4)	1:C:18:ARG:CB	1:M:113:TYR:CD2	3	3.28
(2,4)	1:G:18:ARG:CB	1:L:113:TYR:CD2	3	3.28
(2,4)	1:G:18:ARG:CB	1:K:113:TYR:CD2	3	3.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:G:18:ARG:CB	1:N:113:TYR:CD2	3	3.28
(2,4)	1:G:18:ARG:CB	1:J:113:TYR:CD2	3	3.28
(2,4)	1:G:18:ARG:CB	1:I:113:TYR:CD2	3	3.28
(2,4)	1:G:18:ARG:CB	1:O:113:TYR:CD2	3	3.28
(2,4)	1:G:18:ARG:CB	1:P:113:TYR:CD2	3	3.28
(2,4)	1:G:18:ARG:CB	1:M:113:TYR:CD2	3	3.28
(2,4)	1:H:18:ARG:CB	1:L:113:TYR:CD2	3	3.28
(2,4)	1:H:18:ARG:CB	1:K:113:TYR:CD2	3	3.28
(2,4)	1:H:18:ARG:CB	1:N:113:TYR:CD2	3	3.28
(2,4)	1:H:18:ARG:CB	1:J:113:TYR:CD2	3	3.28
(2,4)	1:H:18:ARG:CB	1:I:113:TYR:CD2	3	3.28
(2,4)	1:H:18:ARG:CB	1:O:113:TYR:CD2	3	3.28
(2,4)	1:H:18:ARG:CB	1:P:113:TYR:CD2	3	3.28
(2,4)	1:H:18:ARG:CB	1:M:113:TYR:CD2	3	3.28
(2,4)	1:B:18:ARG:CB	1:L:113:TYR:CD2	3	3.28
(2,4)	1:B:18:ARG:CB	1:K:113:TYR:CD2	3	3.28
(2,4)	1:B:18:ARG:CB	1:N:113:TYR:CD2	3	3.28
(2,4)	1:B:18:ARG:CB	1:J:113:TYR:CD2	3	3.28
(2,4)	1:B:18:ARG:CB	1:I:113:TYR:CD2	3	3.28
(2,4)	1:B:18:ARG:CB	1:O:113:TYR:CD2	3	3.28
(2,4)	1:B:18:ARG:CB	1:P:113:TYR:CD2	3	3.28
(2,4)	1:B:18:ARG:CB	1:M:113:TYR:CD2	3	3.28
(2,4)	1:A:18:ARG:CB	1:L:113:TYR:CD2	3	3.28
(2,4)	1:A:18:ARG:CB	1:K:113:TYR:CD2	3	3.28
(2,4)	1:A:18:ARG:CB	1:N:113:TYR:CD2	3	3.28
(2,4)	1:A:18:ARG:CB	1:J:113:TYR:CD2	3	3.28
(2,4)	1:A:18:ARG:CB	1:I:113:TYR:CD2	3	3.28
(2,4)	1:A:18:ARG:CB	1:O:113:TYR:CD2	3	3.28
(2,4)	1:A:18:ARG:CB	1:P:113:TYR:CD2	3	3.28
(2,4)	1:A:18:ARG:CB	1:M:113:TYR:CD2	3	3.28
(2,4)	1:F:18:ARG:CB	1:L:113:TYR:CD2	9	3.25
(2,4)	1:F:18:ARG:CB	1:K:113:TYR:CD2	9	3.25
(2,4)	1:F:18:ARG:CB	1:N:113:TYR:CD2	9	3.25
(2,4)	1:F:18:ARG:CB	1:J:113:TYR:CD2	9	3.25
(2,4)	1:F:18:ARG:CB	1:I:113:TYR:CD2	9	3.25
(2,4)	1:F:18:ARG:CB	1:O:113:TYR:CD2	9	3.25
(2,4)	1:F:18:ARG:CB	1:P:113:TYR:CD2	9	3.25
(2,4)	1:F:18:ARG:CB	1:M:113:TYR:CD2	9	3.25
(2,4)	1:E:18:ARG:CB	1:L:113:TYR:CD2	9	3.25
(2,4)	1:E:18:ARG:CB	1:K:113:TYR:CD2	9	3.25
(2,4)	1:E:18:ARG:CB	1:N:113:TYR:CD2	9	3.25
(2,4)	1:E:18:ARG:CB	1:J:113:TYR:CD2	9	3.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:E:18:ARG:CB	1:I:113:TYR:CD2	9	3.25
(2,4)	1:E:18:ARG:CB	1:O:113:TYR:CD2	9	3.25
(2,4)	1:E:18:ARG:CB	1:P:113:TYR:CD2	9	3.25
(2,4)	1:E:18:ARG:CB	1:M:113:TYR:CD2	9	3.25
(2,4)	1:D:18:ARG:CB	1:L:113:TYR:CD2	9	3.25
(2,4)	1:D:18:ARG:CB	1:K:113:TYR:CD2	9	3.25
(2,4)	1:D:18:ARG:CB	1:N:113:TYR:CD2	9	3.25
(2,4)	1:D:18:ARG:CB	1:J:113:TYR:CD2	9	3.25
(2,4)	1:D:18:ARG:CB	1:I:113:TYR:CD2	9	3.25
(2,4)	1:D:18:ARG:CB	1:O:113:TYR:CD2	9	3.25
(2,4)	1:D:18:ARG:CB	1:P:113:TYR:CD2	9	3.25
(2,4)	1:D:18:ARG:CB	1:M:113:TYR:CD2	9	3.25
(2,4)	1:C:18:ARG:CB	1:L:113:TYR:CD2	9	3.25
(2,4)	1:C:18:ARG:CB	1:K:113:TYR:CD2	9	3.25
(2,4)	1:C:18:ARG:CB	1:N:113:TYR:CD2	9	3.25
(2,4)	1:C:18:ARG:CB	1:J:113:TYR:CD2	9	3.25
(2,4)	1:C:18:ARG:CB	1:I:113:TYR:CD2	9	3.25
(2,4)	1:C:18:ARG:CB	1:O:113:TYR:CD2	9	3.25
(2,4)	1:C:18:ARG:CB	1:P:113:TYR:CD2	9	3.25
(2,4)	1:C:18:ARG:CB	1:M:113:TYR:CD2	9	3.25
(2,4)	1:G:18:ARG:CB	1:L:113:TYR:CD2	9	3.25
(2,4)	1:G:18:ARG:CB	1:K:113:TYR:CD2	9	3.25
(2,4)	1:G:18:ARG:CB	1:N:113:TYR:CD2	9	3.25
(2,4)	1:G:18:ARG:CB	1:J:113:TYR:CD2	9	3.25
(2,4)	1:G:18:ARG:CB	1:I:113:TYR:CD2	9	3.25
(2,4)	1:G:18:ARG:CB	1:O:113:TYR:CD2	9	3.25
(2,4)	1:G:18:ARG:CB	1:P:113:TYR:CD2	9	3.25
(2,4)	1:G:18:ARG:CB	1:M:113:TYR:CD2	9	3.25
(2,4)	1:H:18:ARG:CB	1:L:113:TYR:CD2	9	3.25
(2,4)	1:H:18:ARG:CB	1:K:113:TYR:CD2	9	3.25
(2,4)	1:H:18:ARG:CB	1:N:113:TYR:CD2	9	3.25
(2,4)	1:H:18:ARG:CB	1:J:113:TYR:CD2	9	3.25
(2,4)	1:H:18:ARG:CB	1:I:113:TYR:CD2	9	3.25
(2,4)	1:H:18:ARG:CB	1:O:113:TYR:CD2	9	3.25
(2,4)	1:H:18:ARG:CB	1:P:113:TYR:CD2	9	3.25
(2,4)	1:H:18:ARG:CB	1:M:113:TYR:CD2	9	3.25
(2,4)	1:B:18:ARG:CB	1:L:113:TYR:CD2	9	3.25
(2,4)	1:B:18:ARG:CB	1:K:113:TYR:CD2	9	3.25
(2,4)	1:B:18:ARG:CB	1:N:113:TYR:CD2	9	3.25
(2,4)	1:B:18:ARG:CB	1:J:113:TYR:CD2	9	3.25
(2,4)	1:B:18:ARG:CB	1:I:113:TYR:CD2	9	3.25
(2,4)	1:B:18:ARG:CB	1:O:113:TYR:CD2	9	3.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:B:18:ARG:CB	1:P:113:TYR:CD2	9	3.25
(2,4)	1:B:18:ARG:CB	1:M:113:TYR:CD2	9	3.25
(2,4)	1:A:18:ARG:CB	1:L:113:TYR:CD2	9	3.25
(2,4)	1:A:18:ARG:CB	1:K:113:TYR:CD2	9	3.25
(2,4)	1:A:18:ARG:CB	1:N:113:TYR:CD2	9	3.25
(2,4)	1:A:18:ARG:CB	1:J:113:TYR:CD2	9	3.25
(2,4)	1:A:18:ARG:CB	1:I:113:TYR:CD2	9	3.25
(2,4)	1:A:18:ARG:CB	1:O:113:TYR:CD2	9	3.25
(2,4)	1:A:18:ARG:CB	1:P:113:TYR:CD2	9	3.25
(2,4)	1:A:18:ARG:CB	1:M:113:TYR:CD2	9	3.25
(2,3)	1:C:13:TYR:CE2	1:I:118:ARG:CB	7	3.24
(2,3)	1:C:13:TYR:CE2	1:O:118:ARG:CB	7	3.24
(2,3)	1:C:13:TYR:CE2	1:P:118:ARG:CB	7	3.24
(2,3)	1:C:13:TYR:CE2	1:N:118:ARG:CB	7	3.24
(2,3)	1:C:13:TYR:CE2	1:M:118:ARG:CB	7	3.24
(2,3)	1:C:13:TYR:CE2	1:J:118:ARG:CB	7	3.24
(2,3)	1:C:13:TYR:CE2	1:K:118:ARG:CB	7	3.24
(2,3)	1:C:13:TYR:CE2	1:L:118:ARG:CB	7	3.24
(2,3)	1:H:13:TYR:CE2	1:I:118:ARG:CB	7	3.24
(2,3)	1:H:13:TYR:CE2	1:O:118:ARG:CB	7	3.24
(2,3)	1:H:13:TYR:CE2	1:P:118:ARG:CB	7	3.24
(2,3)	1:H:13:TYR:CE2	1:N:118:ARG:CB	7	3.24
(2,3)	1:H:13:TYR:CE2	1:M:118:ARG:CB	7	3.24
(2,3)	1:H:13:TYR:CE2	1:J:118:ARG:CB	7	3.24
(2,3)	1:H:13:TYR:CE2	1:K:118:ARG:CB	7	3.24
(2,3)	1:H:13:TYR:CE2	1:L:118:ARG:CB	7	3.24
(2,3)	1:B:13:TYR:CE2	1:I:118:ARG:CB	7	3.24
(2,3)	1:B:13:TYR:CE2	1:O:118:ARG:CB	7	3.24
(2,3)	1:B:13:TYR:CE2	1:P:118:ARG:CB	7	3.24
(2,3)	1:B:13:TYR:CE2	1:N:118:ARG:CB	7	3.24
(2,3)	1:B:13:TYR:CE2	1:M:118:ARG:CB	7	3.24
(2,3)	1:B:13:TYR:CE2	1:J:118:ARG:CB	7	3.24
(2,3)	1:B:13:TYR:CE2	1:K:118:ARG:CB	7	3.24
(2,3)	1:B:13:TYR:CE2	1:L:118:ARG:CB	7	3.24
(2,3)	1:A:13:TYR:CE2	1:I:118:ARG:CB	7	3.24
(2,3)	1:A:13:TYR:CE2	1:O:118:ARG:CB	7	3.24
(2,3)	1:A:13:TYR:CE2	1:P:118:ARG:CB	7	3.24
(2,3)	1:A:13:TYR:CE2	1:N:118:ARG:CB	7	3.24
(2,3)	1:A:13:TYR:CE2	1:M:118:ARG:CB	7	3.24
(2,3)	1:A:13:TYR:CE2	1:J:118:ARG:CB	7	3.24
(2,3)	1:A:13:TYR:CE2	1:K:118:ARG:CB	7	3.24
(2,3)	1:A:13:TYR:CE2	1:L:118:ARG:CB	7	3.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:G:13:TYR:CE2	1:I:118:ARG:CB	7	3.24
(2,3)	1:G:13:TYR:CE2	1:O:118:ARG:CB	7	3.24
(2,3)	1:G:13:TYR:CE2	1:P:118:ARG:CB	7	3.24
(2,3)	1:G:13:TYR:CE2	1:N:118:ARG:CB	7	3.24
(2,3)	1:G:13:TYR:CE2	1:M:118:ARG:CB	7	3.24
(2,3)	1:G:13:TYR:CE2	1:J:118:ARG:CB	7	3.24
(2,3)	1:G:13:TYR:CE2	1:K:118:ARG:CB	7	3.24
(2,3)	1:G:13:TYR:CE2	1:L:118:ARG:CB	7	3.24
(2,3)	1:F:13:TYR:CE2	1:I:118:ARG:CB	7	3.24
(2,3)	1:F:13:TYR:CE2	1:O:118:ARG:CB	7	3.24
(2,3)	1:F:13:TYR:CE2	1:P:118:ARG:CB	7	3.24
(2,3)	1:F:13:TYR:CE2	1:N:118:ARG:CB	7	3.24
(2,3)	1:F:13:TYR:CE2	1:M:118:ARG:CB	7	3.24
(2,3)	1:F:13:TYR:CE2	1:J:118:ARG:CB	7	3.24
(2,3)	1:F:13:TYR:CE2	1:K:118:ARG:CB	7	3.24
(2,3)	1:F:13:TYR:CE2	1:L:118:ARG:CB	7	3.24
(2,3)	1:E:13:TYR:CE2	1:I:118:ARG:CB	7	3.24
(2,3)	1:E:13:TYR:CE2	1:O:118:ARG:CB	7	3.24
(2,3)	1:E:13:TYR:CE2	1:P:118:ARG:CB	7	3.24
(2,3)	1:E:13:TYR:CE2	1:N:118:ARG:CB	7	3.24
(2,3)	1:E:13:TYR:CE2	1:M:118:ARG:CB	7	3.24
(2,3)	1:E:13:TYR:CE2	1:J:118:ARG:CB	7	3.24
(2,3)	1:E:13:TYR:CE2	1:K:118:ARG:CB	7	3.24
(2,3)	1:E:13:TYR:CE2	1:L:118:ARG:CB	7	3.24
(2,3)	1:D:13:TYR:CE2	1:I:118:ARG:CB	7	3.24
(2,3)	1:D:13:TYR:CE2	1:O:118:ARG:CB	7	3.24
(2,3)	1:D:13:TYR:CE2	1:P:118:ARG:CB	7	3.24
(2,3)	1:D:13:TYR:CE2	1:N:118:ARG:CB	7	3.24
(2,3)	1:D:13:TYR:CE2	1:M:118:ARG:CB	7	3.24
(2,3)	1:D:13:TYR:CE2	1:J:118:ARG:CB	7	3.24
(2,3)	1:D:13:TYR:CE2	1:K:118:ARG:CB	7	3.24
(2,3)	1:D:13:TYR:CE2	1:L:118:ARG:CB	7	3.24
(2,4)	1:F:18:ARG:CB	1:L:113:TYR:CD2	6	3.16
(2,4)	1:F:18:ARG:CB	1:K:113:TYR:CD2	6	3.16
(2,4)	1:F:18:ARG:CB	1:N:113:TYR:CD2	6	3.16
(2,4)	1:F:18:ARG:CB	1:J:113:TYR:CD2	6	3.16
(2,4)	1:F:18:ARG:CB	1:I:113:TYR:CD2	6	3.16
(2,4)	1:F:18:ARG:CB	1:O:113:TYR:CD2	6	3.16
(2,4)	1:F:18:ARG:CB	1:P:113:TYR:CD2	6	3.16
(2,4)	1:F:18:ARG:CB	1:M:113:TYR:CD2	6	3.16
(2,4)	1:E:18:ARG:CB	1:L:113:TYR:CD2	6	3.16
(2,4)	1:E:18:ARG:CB	1:K:113:TYR:CD2	6	3.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:E:18:ARG:CB	1:N:113:TYR:CD2	6	3.16
(2,4)	1:E:18:ARG:CB	1:J:113:TYR:CD2	6	3.16
(2,4)	1:E:18:ARG:CB	1:I:113:TYR:CD2	6	3.16
(2,4)	1:E:18:ARG:CB	1:O:113:TYR:CD2	6	3.16
(2,4)	1:E:18:ARG:CB	1:P:113:TYR:CD2	6	3.16
(2,4)	1:E:18:ARG:CB	1:M:113:TYR:CD2	6	3.16
(2,4)	1:D:18:ARG:CB	1:L:113:TYR:CD2	6	3.16
(2,4)	1:D:18:ARG:CB	1:K:113:TYR:CD2	6	3.16
(2,4)	1:D:18:ARG:CB	1:N:113:TYR:CD2	6	3.16
(2,4)	1:D:18:ARG:CB	1:J:113:TYR:CD2	6	3.16
(2,4)	1:D:18:ARG:CB	1:I:113:TYR:CD2	6	3.16
(2,4)	1:D:18:ARG:CB	1:O:113:TYR:CD2	6	3.16
(2,4)	1:D:18:ARG:CB	1:P:113:TYR:CD2	6	3.16
(2,4)	1:D:18:ARG:CB	1:M:113:TYR:CD2	6	3.16
(2,4)	1:C:18:ARG:CB	1:L:113:TYR:CD2	6	3.16
(2,4)	1:C:18:ARG:CB	1:K:113:TYR:CD2	6	3.16
(2,4)	1:C:18:ARG:CB	1:N:113:TYR:CD2	6	3.16
(2,4)	1:C:18:ARG:CB	1:J:113:TYR:CD2	6	3.16
(2,4)	1:C:18:ARG:CB	1:I:113:TYR:CD2	6	3.16
(2,4)	1:C:18:ARG:CB	1:O:113:TYR:CD2	6	3.16
(2,4)	1:C:18:ARG:CB	1:P:113:TYR:CD2	6	3.16
(2,4)	1:C:18:ARG:CB	1:M:113:TYR:CD2	6	3.16
(2,4)	1:G:18:ARG:CB	1:L:113:TYR:CD2	6	3.16
(2,4)	1:G:18:ARG:CB	1:K:113:TYR:CD2	6	3.16
(2,4)	1:G:18:ARG:CB	1:N:113:TYR:CD2	6	3.16
(2,4)	1:G:18:ARG:CB	1:J:113:TYR:CD2	6	3.16
(2,4)	1:G:18:ARG:CB	1:I:113:TYR:CD2	6	3.16
(2,4)	1:G:18:ARG:CB	1:O:113:TYR:CD2	6	3.16
(2,4)	1:G:18:ARG:CB	1:P:113:TYR:CD2	6	3.16
(2,4)	1:G:18:ARG:CB	1:M:113:TYR:CD2	6	3.16
(2,4)	1:H:18:ARG:CB	1:L:113:TYR:CD2	6	3.16
(2,4)	1:H:18:ARG:CB	1:K:113:TYR:CD2	6	3.16
(2,4)	1:H:18:ARG:CB	1:N:113:TYR:CD2	6	3.16
(2,4)	1:H:18:ARG:CB	1:J:113:TYR:CD2	6	3.16
(2,4)	1:H:18:ARG:CB	1:I:113:TYR:CD2	6	3.16
(2,4)	1:H:18:ARG:CB	1:O:113:TYR:CD2	6	3.16
(2,4)	1:H:18:ARG:CB	1:P:113:TYR:CD2	6	3.16
(2,4)	1:H:18:ARG:CB	1:M:113:TYR:CD2	6	3.16
(2,4)	1:B:18:ARG:CB	1:L:113:TYR:CD2	6	3.16
(2,4)	1:B:18:ARG:CB	1:K:113:TYR:CD2	6	3.16
(2,4)	1:B:18:ARG:CB	1:N:113:TYR:CD2	6	3.16
(2,4)	1:B:18:ARG:CB	1:J:113:TYR:CD2	6	3.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:B:18:ARG:CB	1:I:113:TYR:CD2	6	3.16
(2,4)	1:B:18:ARG:CB	1:O:113:TYR:CD2	6	3.16
(2,4)	1:B:18:ARG:CB	1:P:113:TYR:CD2	6	3.16
(2,4)	1:B:18:ARG:CB	1:M:113:TYR:CD2	6	3.16
(2,4)	1:A:18:ARG:CB	1:L:113:TYR:CD2	6	3.16
(2,4)	1:A:18:ARG:CB	1:K:113:TYR:CD2	6	3.16
(2,4)	1:A:18:ARG:CB	1:N:113:TYR:CD2	6	3.16
(2,4)	1:A:18:ARG:CB	1:J:113:TYR:CD2	6	3.16
(2,4)	1:A:18:ARG:CB	1:I:113:TYR:CD2	6	3.16
(2,4)	1:A:18:ARG:CB	1:O:113:TYR:CD2	6	3.16
(2,4)	1:A:18:ARG:CB	1:P:113:TYR:CD2	6	3.16
(2,4)	1:A:18:ARG:CB	1:M:113:TYR:CD2	6	3.16
(2,4)	1:F:18:ARG:CB	1:L:113:TYR:CD2	10	3.09
(2,4)	1:F:18:ARG:CB	1:K:113:TYR:CD2	10	3.09
(2,4)	1:F:18:ARG:CB	1:N:113:TYR:CD2	10	3.09
(2,4)	1:F:18:ARG:CB	1:J:113:TYR:CD2	10	3.09
(2,4)	1:F:18:ARG:CB	1:I:113:TYR:CD2	10	3.09
(2,4)	1:F:18:ARG:CB	1:O:113:TYR:CD2	10	3.09
(2,4)	1:F:18:ARG:CB	1:P:113:TYR:CD2	10	3.09
(2,4)	1:F:18:ARG:CB	1:M:113:TYR:CD2	10	3.09
(2,4)	1:E:18:ARG:CB	1:L:113:TYR:CD2	10	3.09
(2,4)	1:E:18:ARG:CB	1:K:113:TYR:CD2	10	3.09
(2,4)	1:E:18:ARG:CB	1:N:113:TYR:CD2	10	3.09
(2,4)	1:E:18:ARG:CB	1:J:113:TYR:CD2	10	3.09
(2,4)	1:E:18:ARG:CB	1:I:113:TYR:CD2	10	3.09
(2,4)	1:E:18:ARG:CB	1:O:113:TYR:CD2	10	3.09
(2,4)	1:E:18:ARG:CB	1:P:113:TYR:CD2	10	3.09
(2,4)	1:E:18:ARG:CB	1:M:113:TYR:CD2	10	3.09
(2,4)	1:D:18:ARG:CB	1:L:113:TYR:CD2	10	3.09
(2,4)	1:D:18:ARG:CB	1:K:113:TYR:CD2	10	3.09
(2,4)	1:D:18:ARG:CB	1:N:113:TYR:CD2	10	3.09
(2,4)	1:D:18:ARG:CB	1:J:113:TYR:CD2	10	3.09
(2,4)	1:D:18:ARG:CB	1:I:113:TYR:CD2	10	3.09
(2,4)	1:D:18:ARG:CB	1:O:113:TYR:CD2	10	3.09
(2,4)	1:D:18:ARG:CB	1:P:113:TYR:CD2	10	3.09
(2,4)	1:D:18:ARG:CB	1:M:113:TYR:CD2	10	3.09
(2,4)	1:C:18:ARG:CB	1:L:113:TYR:CD2	10	3.09
(2,4)	1:C:18:ARG:CB	1:K:113:TYR:CD2	10	3.09
(2,4)	1:C:18:ARG:CB	1:N:113:TYR:CD2	10	3.09
(2,4)	1:C:18:ARG:CB	1:J:113:TYR:CD2	10	3.09
(2,4)	1:C:18:ARG:CB	1:I:113:TYR:CD2	10	3.09
(2,4)	1:C:18:ARG:CB	1:O:113:TYR:CD2	10	3.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:C:18:ARG:CB	1:P:113:TYR:CD2	10	3.09
(2,4)	1:C:18:ARG:CB	1:M:113:TYR:CD2	10	3.09
(2,4)	1:G:18:ARG:CB	1:L:113:TYR:CD2	10	3.09
(2,4)	1:G:18:ARG:CB	1:K:113:TYR:CD2	10	3.09
(2,4)	1:G:18:ARG:CB	1:N:113:TYR:CD2	10	3.09
(2,4)	1:G:18:ARG:CB	1:J:113:TYR:CD2	10	3.09
(2,4)	1:G:18:ARG:CB	1:I:113:TYR:CD2	10	3.09
(2,4)	1:G:18:ARG:CB	1:O:113:TYR:CD2	10	3.09
(2,4)	1:G:18:ARG:CB	1:P:113:TYR:CD2	10	3.09
(2,4)	1:G:18:ARG:CB	1:M:113:TYR:CD2	10	3.09
(2,4)	1:H:18:ARG:CB	1:L:113:TYR:CD2	10	3.09
(2,4)	1:H:18:ARG:CB	1:K:113:TYR:CD2	10	3.09
(2,4)	1:H:18:ARG:CB	1:N:113:TYR:CD2	10	3.09
(2,4)	1:H:18:ARG:CB	1:J:113:TYR:CD2	10	3.09
(2,4)	1:H:18:ARG:CB	1:I:113:TYR:CD2	10	3.09
(2,4)	1:H:18:ARG:CB	1:O:113:TYR:CD2	10	3.09
(2,4)	1:H:18:ARG:CB	1:P:113:TYR:CD2	10	3.09
(2,4)	1:H:18:ARG:CB	1:M:113:TYR:CD2	10	3.09
(2,4)	1:B:18:ARG:CB	1:L:113:TYR:CD2	10	3.09
(2,4)	1:B:18:ARG:CB	1:K:113:TYR:CD2	10	3.09
(2,4)	1:B:18:ARG:CB	1:N:113:TYR:CD2	10	3.09
(2,4)	1:B:18:ARG:CB	1:J:113:TYR:CD2	10	3.09
(2,4)	1:B:18:ARG:CB	1:I:113:TYR:CD2	10	3.09
(2,4)	1:B:18:ARG:CB	1:O:113:TYR:CD2	10	3.09
(2,4)	1:B:18:ARG:CB	1:P:113:TYR:CD2	10	3.09
(2,4)	1:B:18:ARG:CB	1:M:113:TYR:CD2	10	3.09
(2,4)	1:A:18:ARG:CB	1:L:113:TYR:CD2	10	3.09
(2,4)	1:A:18:ARG:CB	1:K:113:TYR:CD2	10	3.09
(2,4)	1:A:18:ARG:CB	1:N:113:TYR:CD2	10	3.09
(2,4)	1:A:18:ARG:CB	1:J:113:TYR:CD2	10	3.09
(2,4)	1:A:18:ARG:CB	1:I:113:TYR:CD2	10	3.09
(2,4)	1:A:18:ARG:CB	1:O:113:TYR:CD2	10	3.09
(2,4)	1:A:18:ARG:CB	1:P:113:TYR:CD2	10	3.09
(2,4)	1:A:18:ARG:CB	1:M:113:TYR:CD2	10	3.09
(2,2)	1:C:13:TYR:CD2	1:I:118:ARG:CB	10	3.09
(2,2)	1:C:13:TYR:CD2	1:O:118:ARG:CB	10	3.09
(2,2)	1:C:13:TYR:CD2	1:P:118:ARG:CB	10	3.09
(2,2)	1:C:13:TYR:CD2	1:N:118:ARG:CB	10	3.09
(2,2)	1:C:13:TYR:CD2	1:M:118:ARG:CB	10	3.09
(2,2)	1:C:13:TYR:CD2	1:J:118:ARG:CB	10	3.09
(2,2)	1:C:13:TYR:CD2	1:K:118:ARG:CB	10	3.09
(2,2)	1:C:13:TYR:CD2	1:L:118:ARG:CB	10	3.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:H:13:TYR:CD2	1:I:118:ARG:CB	10	3.09
(2,2)	1:H:13:TYR:CD2	1:O:118:ARG:CB	10	3.09
(2,2)	1:H:13:TYR:CD2	1:P:118:ARG:CB	10	3.09
(2,2)	1:H:13:TYR:CD2	1:N:118:ARG:CB	10	3.09
(2,2)	1:H:13:TYR:CD2	1:M:118:ARG:CB	10	3.09
(2,2)	1:H:13:TYR:CD2	1:J:118:ARG:CB	10	3.09
(2,2)	1:H:13:TYR:CD2	1:K:118:ARG:CB	10	3.09
(2,2)	1:H:13:TYR:CD2	1:L:118:ARG:CB	10	3.09
(2,2)	1:B:13:TYR:CD2	1:I:118:ARG:CB	10	3.09
(2,2)	1:B:13:TYR:CD2	1:O:118:ARG:CB	10	3.09
(2,2)	1:B:13:TYR:CD2	1:P:118:ARG:CB	10	3.09
(2,2)	1:B:13:TYR:CD2	1:N:118:ARG:CB	10	3.09
(2,2)	1:B:13:TYR:CD2	1:M:118:ARG:CB	10	3.09
(2,2)	1:B:13:TYR:CD2	1:J:118:ARG:CB	10	3.09
(2,2)	1:B:13:TYR:CD2	1:K:118:ARG:CB	10	3.09
(2,2)	1:B:13:TYR:CD2	1:L:118:ARG:CB	10	3.09
(2,2)	1:A:13:TYR:CD2	1:I:118:ARG:CB	10	3.09
(2,2)	1:A:13:TYR:CD2	1:O:118:ARG:CB	10	3.09
(2,2)	1:A:13:TYR:CD2	1:P:118:ARG:CB	10	3.09
(2,2)	1:A:13:TYR:CD2	1:N:118:ARG:CB	10	3.09
(2,2)	1:A:13:TYR:CD2	1:M:118:ARG:CB	10	3.09
(2,2)	1:A:13:TYR:CD2	1:J:118:ARG:CB	10	3.09
(2,2)	1:A:13:TYR:CD2	1:K:118:ARG:CB	10	3.09
(2,2)	1:A:13:TYR:CD2	1:L:118:ARG:CB	10	3.09
(2,2)	1:G:13:TYR:CD2	1:I:118:ARG:CB	10	3.09
(2,2)	1:G:13:TYR:CD2	1:O:118:ARG:CB	10	3.09
(2,2)	1:G:13:TYR:CD2	1:P:118:ARG:CB	10	3.09
(2,2)	1:G:13:TYR:CD2	1:N:118:ARG:CB	10	3.09
(2,2)	1:G:13:TYR:CD2	1:M:118:ARG:CB	10	3.09
(2,2)	1:G:13:TYR:CD2	1:J:118:ARG:CB	10	3.09
(2,2)	1:G:13:TYR:CD2	1:K:118:ARG:CB	10	3.09
(2,2)	1:G:13:TYR:CD2	1:L:118:ARG:CB	10	3.09
(2,2)	1:F:13:TYR:CD2	1:I:118:ARG:CB	10	3.09
(2,2)	1:F:13:TYR:CD2	1:O:118:ARG:CB	10	3.09
(2,2)	1:F:13:TYR:CD2	1:P:118:ARG:CB	10	3.09
(2,2)	1:F:13:TYR:CD2	1:N:118:ARG:CB	10	3.09
(2,2)	1:F:13:TYR:CD2	1:M:118:ARG:CB	10	3.09
(2,2)	1:F:13:TYR:CD2	1:J:118:ARG:CB	10	3.09
(2,2)	1:F:13:TYR:CD2	1:K:118:ARG:CB	10	3.09
(2,2)	1:F:13:TYR:CD2	1:L:118:ARG:CB	10	3.09
(2,2)	1:E:13:TYR:CD2	1:I:118:ARG:CB	10	3.09
(2,2)	1:E:13:TYR:CD2	1:O:118:ARG:CB	10	3.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:E:13:TYR:CD2	1:P:118:ARG:CB	10	3.09
(2,2)	1:E:13:TYR:CD2	1:N:118:ARG:CB	10	3.09
(2,2)	1:E:13:TYR:CD2	1:M:118:ARG:CB	10	3.09
(2,2)	1:E:13:TYR:CD2	1:J:118:ARG:CB	10	3.09
(2,2)	1:E:13:TYR:CD2	1:K:118:ARG:CB	10	3.09
(2,2)	1:E:13:TYR:CD2	1:L:118:ARG:CB	10	3.09
(2,2)	1:D:13:TYR:CD2	1:I:118:ARG:CB	10	3.09
(2,2)	1:D:13:TYR:CD2	1:O:118:ARG:CB	10	3.09
(2,2)	1:D:13:TYR:CD2	1:P:118:ARG:CB	10	3.09
(2,2)	1:D:13:TYR:CD2	1:N:118:ARG:CB	10	3.09
(2,2)	1:D:13:TYR:CD2	1:M:118:ARG:CB	10	3.09
(2,2)	1:D:13:TYR:CD2	1:J:118:ARG:CB	10	3.09
(2,2)	1:D:13:TYR:CD2	1:K:118:ARG:CB	10	3.09
(2,2)	1:D:13:TYR:CD2	1:L:118:ARG:CB	10	3.09
(2,3)	1:C:13:TYR:CE2	1:I:118:ARG:CB	8	3.08
(2,3)	1:C:13:TYR:CE2	1:O:118:ARG:CB	8	3.08
(2,3)	1:C:13:TYR:CE2	1:P:118:ARG:CB	8	3.08
(2,3)	1:C:13:TYR:CE2	1:N:118:ARG:CB	8	3.08
(2,3)	1:C:13:TYR:CE2	1:M:118:ARG:CB	8	3.08
(2,3)	1:C:13:TYR:CE2	1:J:118:ARG:CB	8	3.08
(2,3)	1:C:13:TYR:CE2	1:K:118:ARG:CB	8	3.08
(2,3)	1:C:13:TYR:CE2	1:L:118:ARG:CB	8	3.08
(2,3)	1:H:13:TYR:CE2	1:I:118:ARG:CB	8	3.08
(2,3)	1:H:13:TYR:CE2	1:O:118:ARG:CB	8	3.08
(2,3)	1:H:13:TYR:CE2	1:P:118:ARG:CB	8	3.08
(2,3)	1:H:13:TYR:CE2	1:N:118:ARG:CB	8	3.08
(2,3)	1:H:13:TYR:CE2	1:M:118:ARG:CB	8	3.08
(2,3)	1:H:13:TYR:CE2	1:J:118:ARG:CB	8	3.08
(2,3)	1:H:13:TYR:CE2	1:K:118:ARG:CB	8	3.08
(2,3)	1:H:13:TYR:CE2	1:L:118:ARG:CB	8	3.08
(2,3)	1:B:13:TYR:CE2	1:I:118:ARG:CB	8	3.08
(2,3)	1:B:13:TYR:CE2	1:O:118:ARG:CB	8	3.08
(2,3)	1:B:13:TYR:CE2	1:P:118:ARG:CB	8	3.08
(2,3)	1:B:13:TYR:CE2	1:N:118:ARG:CB	8	3.08
(2,3)	1:B:13:TYR:CE2	1:M:118:ARG:CB	8	3.08
(2,3)	1:B:13:TYR:CE2	1:J:118:ARG:CB	8	3.08
(2,3)	1:B:13:TYR:CE2	1:K:118:ARG:CB	8	3.08
(2,3)	1:B:13:TYR:CE2	1:L:118:ARG:CB	8	3.08
(2,3)	1:A:13:TYR:CE2	1:I:118:ARG:CB	8	3.08
(2,3)	1:A:13:TYR:CE2	1:O:118:ARG:CB	8	3.08
(2,3)	1:A:13:TYR:CE2	1:P:118:ARG:CB	8	3.08
(2,3)	1:A:13:TYR:CE2	1:N:118:ARG:CB	8	3.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:A:13:TYR:CE2	1:M:118:ARG:CB	8	3.08
(2,3)	1:A:13:TYR:CE2	1:J:118:ARG:CB	8	3.08
(2,3)	1:A:13:TYR:CE2	1:K:118:ARG:CB	8	3.08
(2,3)	1:A:13:TYR:CE2	1:L:118:ARG:CB	8	3.08
(2,3)	1:G:13:TYR:CE2	1:I:118:ARG:CB	8	3.08
(2,3)	1:G:13:TYR:CE2	1:O:118:ARG:CB	8	3.08
(2,3)	1:G:13:TYR:CE2	1:P:118:ARG:CB	8	3.08
(2,3)	1:G:13:TYR:CE2	1:N:118:ARG:CB	8	3.08
(2,3)	1:G:13:TYR:CE2	1:M:118:ARG:CB	8	3.08
(2,3)	1:G:13:TYR:CE2	1:J:118:ARG:CB	8	3.08
(2,3)	1:G:13:TYR:CE2	1:K:118:ARG:CB	8	3.08
(2,3)	1:G:13:TYR:CE2	1:L:118:ARG:CB	8	3.08
(2,3)	1:F:13:TYR:CE2	1:I:118:ARG:CB	8	3.08
(2,3)	1:F:13:TYR:CE2	1:O:118:ARG:CB	8	3.08
(2,3)	1:F:13:TYR:CE2	1:P:118:ARG:CB	8	3.08
(2,3)	1:F:13:TYR:CE2	1:N:118:ARG:CB	8	3.08
(2,3)	1:F:13:TYR:CE2	1:M:118:ARG:CB	8	3.08
(2,3)	1:F:13:TYR:CE2	1:J:118:ARG:CB	8	3.08
(2,3)	1:F:13:TYR:CE2	1:K:118:ARG:CB	8	3.08
(2,3)	1:F:13:TYR:CE2	1:L:118:ARG:CB	8	3.08
(2,3)	1:E:13:TYR:CE2	1:I:118:ARG:CB	8	3.08
(2,3)	1:E:13:TYR:CE2	1:O:118:ARG:CB	8	3.08
(2,3)	1:E:13:TYR:CE2	1:P:118:ARG:CB	8	3.08
(2,3)	1:E:13:TYR:CE2	1:N:118:ARG:CB	8	3.08
(2,3)	1:E:13:TYR:CE2	1:M:118:ARG:CB	8	3.08
(2,3)	1:E:13:TYR:CE2	1:J:118:ARG:CB	8	3.08
(2,3)	1:E:13:TYR:CE2	1:K:118:ARG:CB	8	3.08
(2,3)	1:E:13:TYR:CE2	1:L:118:ARG:CB	8	3.08
(2,3)	1:D:13:TYR:CE2	1:I:118:ARG:CB	8	3.08
(2,3)	1:D:13:TYR:CE2	1:O:118:ARG:CB	8	3.08
(2,3)	1:D:13:TYR:CE2	1:P:118:ARG:CB	8	3.08
(2,3)	1:D:13:TYR:CE2	1:N:118:ARG:CB	8	3.08
(2,3)	1:D:13:TYR:CE2	1:M:118:ARG:CB	8	3.08
(2,3)	1:D:13:TYR:CE2	1:J:118:ARG:CB	8	3.08
(2,3)	1:D:13:TYR:CE2	1:K:118:ARG:CB	8	3.08
(2,3)	1:D:13:TYR:CE2	1:L:118:ARG:CB	8	3.08
(2,2)	1:C:13:TYR:CD2	1:I:118:ARG:CB	3	3.04
(2,2)	1:C:13:TYR:CD2	1:O:118:ARG:CB	3	3.04
(2,2)	1:C:13:TYR:CD2	1:P:118:ARG:CB	3	3.04
(2,2)	1:C:13:TYR:CD2	1:N:118:ARG:CB	3	3.04
(2,2)	1:C:13:TYR:CD2	1:M:118:ARG:CB	3	3.04
(2,2)	1:C:13:TYR:CD2	1:J:118:ARG:CB	3	3.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:C:13:TYR:CD2	1:K:118:ARG:CB	3	3.04
(2,2)	1:C:13:TYR:CD2	1:L:118:ARG:CB	3	3.04
(2,2)	1:H:13:TYR:CD2	1:I:118:ARG:CB	3	3.04
(2,2)	1:H:13:TYR:CD2	1:O:118:ARG:CB	3	3.04
(2,2)	1:H:13:TYR:CD2	1:P:118:ARG:CB	3	3.04
(2,2)	1:H:13:TYR:CD2	1:N:118:ARG:CB	3	3.04
(2,2)	1:H:13:TYR:CD2	1:M:118:ARG:CB	3	3.04
(2,2)	1:H:13:TYR:CD2	1:J:118:ARG:CB	3	3.04
(2,2)	1:H:13:TYR:CD2	1:K:118:ARG:CB	3	3.04
(2,2)	1:H:13:TYR:CD2	1:L:118:ARG:CB	3	3.04
(2,2)	1:B:13:TYR:CD2	1:I:118:ARG:CB	3	3.04
(2,2)	1:B:13:TYR:CD2	1:O:118:ARG:CB	3	3.04
(2,2)	1:B:13:TYR:CD2	1:P:118:ARG:CB	3	3.04
(2,2)	1:B:13:TYR:CD2	1:N:118:ARG:CB	3	3.04
(2,2)	1:B:13:TYR:CD2	1:M:118:ARG:CB	3	3.04
(2,2)	1:B:13:TYR:CD2	1:J:118:ARG:CB	3	3.04
(2,2)	1:B:13:TYR:CD2	1:K:118:ARG:CB	3	3.04
(2,2)	1:B:13:TYR:CD2	1:L:118:ARG:CB	3	3.04
(2,2)	1:A:13:TYR:CD2	1:I:118:ARG:CB	3	3.04
(2,2)	1:A:13:TYR:CD2	1:O:118:ARG:CB	3	3.04
(2,2)	1:A:13:TYR:CD2	1:P:118:ARG:CB	3	3.04
(2,2)	1:A:13:TYR:CD2	1:N:118:ARG:CB	3	3.04
(2,2)	1:A:13:TYR:CD2	1:M:118:ARG:CB	3	3.04
(2,2)	1:A:13:TYR:CD2	1:J:118:ARG:CB	3	3.04
(2,2)	1:A:13:TYR:CD2	1:K:118:ARG:CB	3	3.04
(2,2)	1:A:13:TYR:CD2	1:L:118:ARG:CB	3	3.04
(2,2)	1:G:13:TYR:CD2	1:I:118:ARG:CB	3	3.04
(2,2)	1:G:13:TYR:CD2	1:O:118:ARG:CB	3	3.04
(2,2)	1:G:13:TYR:CD2	1:P:118:ARG:CB	3	3.04
(2,2)	1:G:13:TYR:CD2	1:N:118:ARG:CB	3	3.04
(2,2)	1:G:13:TYR:CD2	1:M:118:ARG:CB	3	3.04
(2,2)	1:G:13:TYR:CD2	1:J:118:ARG:CB	3	3.04
(2,2)	1:G:13:TYR:CD2	1:K:118:ARG:CB	3	3.04
(2,2)	1:G:13:TYR:CD2	1:L:118:ARG:CB	3	3.04
(2,2)	1:F:13:TYR:CD2	1:I:118:ARG:CB	3	3.04
(2,2)	1:F:13:TYR:CD2	1:O:118:ARG:CB	3	3.04
(2,2)	1:F:13:TYR:CD2	1:P:118:ARG:CB	3	3.04
(2,2)	1:F:13:TYR:CD2	1:N:118:ARG:CB	3	3.04
(2,2)	1:F:13:TYR:CD2	1:M:118:ARG:CB	3	3.04
(2,2)	1:F:13:TYR:CD2	1:J:118:ARG:CB	3	3.04
(2,2)	1:F:13:TYR:CD2	1:K:118:ARG:CB	3	3.04
(2,2)	1:F:13:TYR:CD2	1:L:118:ARG:CB	3	3.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:E:13:TYR:CD2	1:I:118:ARG:CB	3	3.04
(2,2)	1:E:13:TYR:CD2	1:O:118:ARG:CB	3	3.04
(2,2)	1:E:13:TYR:CD2	1:P:118:ARG:CB	3	3.04
(2,2)	1:E:13:TYR:CD2	1:N:118:ARG:CB	3	3.04
(2,2)	1:E:13:TYR:CD2	1:M:118:ARG:CB	3	3.04
(2,2)	1:E:13:TYR:CD2	1:J:118:ARG:CB	3	3.04
(2,2)	1:E:13:TYR:CD2	1:K:118:ARG:CB	3	3.04
(2,2)	1:E:13:TYR:CD2	1:L:118:ARG:CB	3	3.04
(2,2)	1:D:13:TYR:CD2	1:I:118:ARG:CB	3	3.04
(2,2)	1:D:13:TYR:CD2	1:O:118:ARG:CB	3	3.04
(2,2)	1:D:13:TYR:CD2	1:P:118:ARG:CB	3	3.04
(2,2)	1:D:13:TYR:CD2	1:N:118:ARG:CB	3	3.04
(2,2)	1:D:13:TYR:CD2	1:M:118:ARG:CB	3	3.04
(2,2)	1:D:13:TYR:CD2	1:J:118:ARG:CB	3	3.04
(2,2)	1:D:13:TYR:CD2	1:K:118:ARG:CB	3	3.04
(2,2)	1:D:13:TYR:CD2	1:L:118:ARG:CB	3	3.04
(2,2)	1:C:13:TYR:CD2	1:I:118:ARG:CB	2	3.03
(2,2)	1:C:13:TYR:CD2	1:O:118:ARG:CB	2	3.03
(2,2)	1:C:13:TYR:CD2	1:P:118:ARG:CB	2	3.03
(2,2)	1:C:13:TYR:CD2	1:N:118:ARG:CB	2	3.03
(2,2)	1:C:13:TYR:CD2	1:M:118:ARG:CB	2	3.03
(2,2)	1:C:13:TYR:CD2	1:J:118:ARG:CB	2	3.03
(2,2)	1:C:13:TYR:CD2	1:K:118:ARG:CB	2	3.03
(2,2)	1:C:13:TYR:CD2	1:L:118:ARG:CB	2	3.03
(2,2)	1:H:13:TYR:CD2	1:I:118:ARG:CB	2	3.03
(2,2)	1:H:13:TYR:CD2	1:O:118:ARG:CB	2	3.03
(2,2)	1:H:13:TYR:CD2	1:P:118:ARG:CB	2	3.03
(2,2)	1:H:13:TYR:CD2	1:N:118:ARG:CB	2	3.03
(2,2)	1:H:13:TYR:CD2	1:M:118:ARG:CB	2	3.03
(2,2)	1:H:13:TYR:CD2	1:J:118:ARG:CB	2	3.03
(2,2)	1:H:13:TYR:CD2	1:K:118:ARG:CB	2	3.03
(2,2)	1:H:13:TYR:CD2	1:L:118:ARG:CB	2	3.03
(2,2)	1:B:13:TYR:CD2	1:I:118:ARG:CB	2	3.03
(2,2)	1:B:13:TYR:CD2	1:O:118:ARG:CB	2	3.03
(2,2)	1:B:13:TYR:CD2	1:P:118:ARG:CB	2	3.03
(2,2)	1:B:13:TYR:CD2	1:N:118:ARG:CB	2	3.03
(2,2)	1:B:13:TYR:CD2	1:M:118:ARG:CB	2	3.03
(2,2)	1:B:13:TYR:CD2	1:J:118:ARG:CB	2	3.03
(2,2)	1:B:13:TYR:CD2	1:K:118:ARG:CB	2	3.03
(2,2)	1:B:13:TYR:CD2	1:L:118:ARG:CB	2	3.03
(2,2)	1:A:13:TYR:CD2	1:I:118:ARG:CB	2	3.03
(2,2)	1:A:13:TYR:CD2	1:O:118:ARG:CB	2	3.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:A:13:TYR:CD2	1:P:118:ARG:CB	2	3.03
(2,2)	1:A:13:TYR:CD2	1:N:118:ARG:CB	2	3.03
(2,2)	1:A:13:TYR:CD2	1:M:118:ARG:CB	2	3.03
(2,2)	1:A:13:TYR:CD2	1:J:118:ARG:CB	2	3.03
(2,2)	1:A:13:TYR:CD2	1:K:118:ARG:CB	2	3.03
(2,2)	1:A:13:TYR:CD2	1:L:118:ARG:CB	2	3.03
(2,2)	1:G:13:TYR:CD2	1:I:118:ARG:CB	2	3.03
(2,2)	1:G:13:TYR:CD2	1:O:118:ARG:CB	2	3.03
(2,2)	1:G:13:TYR:CD2	1:P:118:ARG:CB	2	3.03
(2,2)	1:G:13:TYR:CD2	1:N:118:ARG:CB	2	3.03
(2,2)	1:G:13:TYR:CD2	1:M:118:ARG:CB	2	3.03
(2,2)	1:G:13:TYR:CD2	1:J:118:ARG:CB	2	3.03
(2,2)	1:G:13:TYR:CD2	1:K:118:ARG:CB	2	3.03
(2,2)	1:G:13:TYR:CD2	1:L:118:ARG:CB	2	3.03
(2,2)	1:F:13:TYR:CD2	1:I:118:ARG:CB	2	3.03
(2,2)	1:F:13:TYR:CD2	1:O:118:ARG:CB	2	3.03
(2,2)	1:F:13:TYR:CD2	1:P:118:ARG:CB	2	3.03
(2,2)	1:F:13:TYR:CD2	1:N:118:ARG:CB	2	3.03
(2,2)	1:F:13:TYR:CD2	1:M:118:ARG:CB	2	3.03
(2,2)	1:F:13:TYR:CD2	1:J:118:ARG:CB	2	3.03
(2,2)	1:F:13:TYR:CD2	1:K:118:ARG:CB	2	3.03
(2,2)	1:F:13:TYR:CD2	1:L:118:ARG:CB	2	3.03
(2,2)	1:E:13:TYR:CD2	1:I:118:ARG:CB	2	3.03
(2,2)	1:E:13:TYR:CD2	1:O:118:ARG:CB	2	3.03
(2,2)	1:E:13:TYR:CD2	1:P:118:ARG:CB	2	3.03
(2,2)	1:E:13:TYR:CD2	1:N:118:ARG:CB	2	3.03
(2,2)	1:E:13:TYR:CD2	1:M:118:ARG:CB	2	3.03
(2,2)	1:E:13:TYR:CD2	1:J:118:ARG:CB	2	3.03
(2,2)	1:E:13:TYR:CD2	1:K:118:ARG:CB	2	3.03
(2,2)	1:E:13:TYR:CD2	1:L:118:ARG:CB	2	3.03
(2,2)	1:D:13:TYR:CD2	1:I:118:ARG:CB	2	3.03
(2,2)	1:D:13:TYR:CD2	1:O:118:ARG:CB	2	3.03
(2,2)	1:D:13:TYR:CD2	1:P:118:ARG:CB	2	3.03
(2,2)	1:D:13:TYR:CD2	1:N:118:ARG:CB	2	3.03
(2,2)	1:D:13:TYR:CD2	1:M:118:ARG:CB	2	3.03
(2,2)	1:D:13:TYR:CD2	1:J:118:ARG:CB	2	3.03
(2,2)	1:D:13:TYR:CD2	1:K:118:ARG:CB	2	3.03
(2,2)	1:D:13:TYR:CD2	1:L:118:ARG:CB	2	3.03
(2,6)	1:H:22:PHE:CE2	1:M:109:ASP:CB	4	2.97
(2,6)	1:H:22:PHE:CE2	1:N:109:ASP:CB	4	2.97
(2,6)	1:H:22:PHE:CE2	1:J:109:ASP:CB	4	2.97
(2,6)	1:H:22:PHE:CE2	1:P:109:ASP:CB	4	2.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:H:22:PHE:CE2	1:K:109:ASP:CB	4	2.97
(2,6)	1:H:22:PHE:CE2	1:L:109:ASP:CB	4	2.97
(2,6)	1:H:22:PHE:CE2	1:O:109:ASP:CB	4	2.97
(2,6)	1:H:22:PHE:CE2	1:I:109:ASP:CB	4	2.97
(2,6)	1:F:22:PHE:CE2	1:M:109:ASP:CB	4	2.97
(2,6)	1:F:22:PHE:CE2	1:N:109:ASP:CB	4	2.97
(2,6)	1:F:22:PHE:CE2	1:J:109:ASP:CB	4	2.97
(2,6)	1:F:22:PHE:CE2	1:P:109:ASP:CB	4	2.97
(2,6)	1:F:22:PHE:CE2	1:K:109:ASP:CB	4	2.97
(2,6)	1:F:22:PHE:CE2	1:L:109:ASP:CB	4	2.97
(2,6)	1:F:22:PHE:CE2	1:O:109:ASP:CB	4	2.97
(2,6)	1:F:22:PHE:CE2	1:I:109:ASP:CB	4	2.97
(2,6)	1:E:22:PHE:CE2	1:M:109:ASP:CB	4	2.97
(2,6)	1:E:22:PHE:CE2	1:N:109:ASP:CB	4	2.97
(2,6)	1:E:22:PHE:CE2	1:J:109:ASP:CB	4	2.97
(2,6)	1:E:22:PHE:CE2	1:P:109:ASP:CB	4	2.97
(2,6)	1:E:22:PHE:CE2	1:K:109:ASP:CB	4	2.97
(2,6)	1:E:22:PHE:CE2	1:L:109:ASP:CB	4	2.97
(2,6)	1:E:22:PHE:CE2	1:O:109:ASP:CB	4	2.97
(2,6)	1:E:22:PHE:CE2	1:I:109:ASP:CB	4	2.97
(2,6)	1:B:22:PHE:CE2	1:M:109:ASP:CB	4	2.97
(2,6)	1:B:22:PHE:CE2	1:N:109:ASP:CB	4	2.97
(2,6)	1:B:22:PHE:CE2	1:J:109:ASP:CB	4	2.97
(2,6)	1:B:22:PHE:CE2	1:P:109:ASP:CB	4	2.97
(2,6)	1:B:22:PHE:CE2	1:K:109:ASP:CB	4	2.97
(2,6)	1:B:22:PHE:CE2	1:L:109:ASP:CB	4	2.97
(2,6)	1:B:22:PHE:CE2	1:O:109:ASP:CB	4	2.97
(2,6)	1:B:22:PHE:CE2	1:I:109:ASP:CB	4	2.97
(2,6)	1:G:22:PHE:CE2	1:M:109:ASP:CB	4	2.97
(2,6)	1:G:22:PHE:CE2	1:N:109:ASP:CB	4	2.97
(2,6)	1:G:22:PHE:CE2	1:J:109:ASP:CB	4	2.97
(2,6)	1:G:22:PHE:CE2	1:P:109:ASP:CB	4	2.97
(2,6)	1:G:22:PHE:CE2	1:K:109:ASP:CB	4	2.97
(2,6)	1:G:22:PHE:CE2	1:L:109:ASP:CB	4	2.97
(2,6)	1:G:22:PHE:CE2	1:O:109:ASP:CB	4	2.97
(2,6)	1:G:22:PHE:CE2	1:I:109:ASP:CB	4	2.97
(2,6)	1:A:22:PHE:CE2	1:M:109:ASP:CB	4	2.97
(2,6)	1:A:22:PHE:CE2	1:N:109:ASP:CB	4	2.97
(2,6)	1:A:22:PHE:CE2	1:J:109:ASP:CB	4	2.97
(2,6)	1:A:22:PHE:CE2	1:P:109:ASP:CB	4	2.97
(2,6)	1:A:22:PHE:CE2	1:K:109:ASP:CB	4	2.97
(2,6)	1:A:22:PHE:CE2	1:L:109:ASP:CB	4	2.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:A:22:PHE:CE2	1:O:109:ASP:CB	4	2.97
(2,6)	1:A:22:PHE:CE2	1:I:109:ASP:CB	4	2.97
(2,6)	1:D:22:PHE:CE2	1:M:109:ASP:CB	4	2.97
(2,6)	1:D:22:PHE:CE2	1:N:109:ASP:CB	4	2.97
(2,6)	1:D:22:PHE:CE2	1:J:109:ASP:CB	4	2.97
(2,6)	1:D:22:PHE:CE2	1:P:109:ASP:CB	4	2.97
(2,6)	1:D:22:PHE:CE2	1:K:109:ASP:CB	4	2.97
(2,6)	1:D:22:PHE:CE2	1:L:109:ASP:CB	4	2.97
(2,6)	1:D:22:PHE:CE2	1:O:109:ASP:CB	4	2.97
(2,6)	1:D:22:PHE:CE2	1:I:109:ASP:CB	4	2.97
(2,6)	1:C:22:PHE:CE2	1:M:109:ASP:CB	4	2.97
(2,6)	1:C:22:PHE:CE2	1:N:109:ASP:CB	4	2.97
(2,6)	1:C:22:PHE:CE2	1:J:109:ASP:CB	4	2.97
(2,6)	1:C:22:PHE:CE2	1:P:109:ASP:CB	4	2.97
(2,6)	1:C:22:PHE:CE2	1:K:109:ASP:CB	4	2.97
(2,6)	1:C:22:PHE:CE2	1:L:109:ASP:CB	4	2.97
(2,6)	1:C:22:PHE:CE2	1:O:109:ASP:CB	4	2.97
(2,6)	1:C:22:PHE:CE2	1:I:109:ASP:CB	4	2.97
(2,2)	1:C:13:TYR:CD2	1:I:118:ARG:CB	4	2.97
(2,2)	1:C:13:TYR:CD2	1:O:118:ARG:CB	4	2.97
(2,2)	1:C:13:TYR:CD2	1:P:118:ARG:CB	4	2.97
(2,2)	1:C:13:TYR:CD2	1:N:118:ARG:CB	4	2.97
(2,2)	1:C:13:TYR:CD2	1:M:118:ARG:CB	4	2.97
(2,2)	1:C:13:TYR:CD2	1:J:118:ARG:CB	4	2.97
(2,2)	1:C:13:TYR:CD2	1:K:118:ARG:CB	4	2.97
(2,2)	1:C:13:TYR:CD2	1:L:118:ARG:CB	4	2.97
(2,2)	1:H:13:TYR:CD2	1:I:118:ARG:CB	4	2.97
(2,2)	1:H:13:TYR:CD2	1:O:118:ARG:CB	4	2.97
(2,2)	1:H:13:TYR:CD2	1:P:118:ARG:CB	4	2.97
(2,2)	1:H:13:TYR:CD2	1:N:118:ARG:CB	4	2.97
(2,2)	1:H:13:TYR:CD2	1:M:118:ARG:CB	4	2.97
(2,2)	1:H:13:TYR:CD2	1:J:118:ARG:CB	4	2.97
(2,2)	1:H:13:TYR:CD2	1:K:118:ARG:CB	4	2.97
(2,2)	1:H:13:TYR:CD2	1:L:118:ARG:CB	4	2.97
(2,2)	1:B:13:TYR:CD2	1:I:118:ARG:CB	4	2.97
(2,2)	1:B:13:TYR:CD2	1:O:118:ARG:CB	4	2.97
(2,2)	1:B:13:TYR:CD2	1:P:118:ARG:CB	4	2.97
(2,2)	1:B:13:TYR:CD2	1:N:118:ARG:CB	4	2.97
(2,2)	1:B:13:TYR:CD2	1:M:118:ARG:CB	4	2.97
(2,2)	1:B:13:TYR:CD2	1:J:118:ARG:CB	4	2.97
(2,2)	1:B:13:TYR:CD2	1:K:118:ARG:CB	4	2.97
(2,2)	1:B:13:TYR:CD2	1:L:118:ARG:CB	4	2.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:A:13:TYR:CD2	1:I:118:ARG:CB	4	2.97
(2,2)	1:A:13:TYR:CD2	1:O:118:ARG:CB	4	2.97
(2,2)	1:A:13:TYR:CD2	1:P:118:ARG:CB	4	2.97
(2,2)	1:A:13:TYR:CD2	1:N:118:ARG:CB	4	2.97
(2,2)	1:A:13:TYR:CD2	1:M:118:ARG:CB	4	2.97
(2,2)	1:A:13:TYR:CD2	1:J:118:ARG:CB	4	2.97
(2,2)	1:A:13:TYR:CD2	1:K:118:ARG:CB	4	2.97
(2,2)	1:A:13:TYR:CD2	1:L:118:ARG:CB	4	2.97
(2,2)	1:G:13:TYR:CD2	1:I:118:ARG:CB	4	2.97
(2,2)	1:G:13:TYR:CD2	1:O:118:ARG:CB	4	2.97
(2,2)	1:G:13:TYR:CD2	1:P:118:ARG:CB	4	2.97
(2,2)	1:G:13:TYR:CD2	1:N:118:ARG:CB	4	2.97
(2,2)	1:G:13:TYR:CD2	1:M:118:ARG:CB	4	2.97
(2,2)	1:G:13:TYR:CD2	1:J:118:ARG:CB	4	2.97
(2,2)	1:G:13:TYR:CD2	1:K:118:ARG:CB	4	2.97
(2,2)	1:G:13:TYR:CD2	1:L:118:ARG:CB	4	2.97
(2,2)	1:F:13:TYR:CD2	1:I:118:ARG:CB	4	2.97
(2,2)	1:F:13:TYR:CD2	1:O:118:ARG:CB	4	2.97
(2,2)	1:F:13:TYR:CD2	1:P:118:ARG:CB	4	2.97
(2,2)	1:F:13:TYR:CD2	1:N:118:ARG:CB	4	2.97
(2,2)	1:F:13:TYR:CD2	1:M:118:ARG:CB	4	2.97
(2,2)	1:F:13:TYR:CD2	1:J:118:ARG:CB	4	2.97
(2,2)	1:F:13:TYR:CD2	1:K:118:ARG:CB	4	2.97
(2,2)	1:F:13:TYR:CD2	1:L:118:ARG:CB	4	2.97
(2,2)	1:E:13:TYR:CD2	1:I:118:ARG:CB	4	2.97
(2,2)	1:E:13:TYR:CD2	1:O:118:ARG:CB	4	2.97
(2,2)	1:E:13:TYR:CD2	1:P:118:ARG:CB	4	2.97
(2,2)	1:E:13:TYR:CD2	1:N:118:ARG:CB	4	2.97
(2,2)	1:E:13:TYR:CD2	1:M:118:ARG:CB	4	2.97
(2,2)	1:E:13:TYR:CD2	1:J:118:ARG:CB	4	2.97
(2,2)	1:E:13:TYR:CD2	1:K:118:ARG:CB	4	2.97
(2,2)	1:E:13:TYR:CD2	1:L:118:ARG:CB	4	2.97
(2,2)	1:D:13:TYR:CD2	1:I:118:ARG:CB	4	2.97
(2,2)	1:D:13:TYR:CD2	1:O:118:ARG:CB	4	2.97
(2,2)	1:D:13:TYR:CD2	1:P:118:ARG:CB	4	2.97
(2,2)	1:D:13:TYR:CD2	1:N:118:ARG:CB	4	2.97
(2,2)	1:D:13:TYR:CD2	1:M:118:ARG:CB	4	2.97
(2,2)	1:D:13:TYR:CD2	1:J:118:ARG:CB	4	2.97
(2,2)	1:D:13:TYR:CD2	1:K:118:ARG:CB	4	2.97
(2,2)	1:D:13:TYR:CD2	1:L:118:ARG:CB	4	2.97
(2,2)	1:C:13:TYR:CD2	1:I:118:ARG:CB	9	2.91
(2,2)	1:C:13:TYR:CD2	1:O:118:ARG:CB	9	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:C:13:TYR:CD2	1:P:118:ARG:CB	9	2.91
(2,2)	1:C:13:TYR:CD2	1:N:118:ARG:CB	9	2.91
(2,2)	1:C:13:TYR:CD2	1:M:118:ARG:CB	9	2.91
(2,2)	1:C:13:TYR:CD2	1:J:118:ARG:CB	9	2.91
(2,2)	1:C:13:TYR:CD2	1:K:118:ARG:CB	9	2.91
(2,2)	1:C:13:TYR:CD2	1:L:118:ARG:CB	9	2.91
(2,2)	1:H:13:TYR:CD2	1:I:118:ARG:CB	9	2.91
(2,2)	1:H:13:TYR:CD2	1:O:118:ARG:CB	9	2.91
(2,2)	1:H:13:TYR:CD2	1:P:118:ARG:CB	9	2.91
(2,2)	1:H:13:TYR:CD2	1:N:118:ARG:CB	9	2.91
(2,2)	1:H:13:TYR:CD2	1:M:118:ARG:CB	9	2.91
(2,2)	1:H:13:TYR:CD2	1:J:118:ARG:CB	9	2.91
(2,2)	1:H:13:TYR:CD2	1:K:118:ARG:CB	9	2.91
(2,2)	1:H:13:TYR:CD2	1:L:118:ARG:CB	9	2.91
(2,2)	1:B:13:TYR:CD2	1:I:118:ARG:CB	9	2.91
(2,2)	1:B:13:TYR:CD2	1:O:118:ARG:CB	9	2.91
(2,2)	1:B:13:TYR:CD2	1:P:118:ARG:CB	9	2.91
(2,2)	1:B:13:TYR:CD2	1:N:118:ARG:CB	9	2.91
(2,2)	1:B:13:TYR:CD2	1:M:118:ARG:CB	9	2.91
(2,2)	1:B:13:TYR:CD2	1:J:118:ARG:CB	9	2.91
(2,2)	1:B:13:TYR:CD2	1:K:118:ARG:CB	9	2.91
(2,2)	1:B:13:TYR:CD2	1:L:118:ARG:CB	9	2.91
(2,2)	1:A:13:TYR:CD2	1:I:118:ARG:CB	9	2.91
(2,2)	1:A:13:TYR:CD2	1:O:118:ARG:CB	9	2.91
(2,2)	1:A:13:TYR:CD2	1:P:118:ARG:CB	9	2.91
(2,2)	1:A:13:TYR:CD2	1:N:118:ARG:CB	9	2.91
(2,2)	1:A:13:TYR:CD2	1:M:118:ARG:CB	9	2.91
(2,2)	1:A:13:TYR:CD2	1:J:118:ARG:CB	9	2.91
(2,2)	1:A:13:TYR:CD2	1:K:118:ARG:CB	9	2.91
(2,2)	1:A:13:TYR:CD2	1:L:118:ARG:CB	9	2.91
(2,2)	1:G:13:TYR:CD2	1:I:118:ARG:CB	9	2.91
(2,2)	1:G:13:TYR:CD2	1:O:118:ARG:CB	9	2.91
(2,2)	1:G:13:TYR:CD2	1:P:118:ARG:CB	9	2.91
(2,2)	1:G:13:TYR:CD2	1:N:118:ARG:CB	9	2.91
(2,2)	1:G:13:TYR:CD2	1:M:118:ARG:CB	9	2.91
(2,2)	1:G:13:TYR:CD2	1:J:118:ARG:CB	9	2.91
(2,2)	1:G:13:TYR:CD2	1:K:118:ARG:CB	9	2.91
(2,2)	1:G:13:TYR:CD2	1:L:118:ARG:CB	9	2.91
(2,2)	1:F:13:TYR:CD2	1:I:118:ARG:CB	9	2.91
(2,2)	1:F:13:TYR:CD2	1:O:118:ARG:CB	9	2.91
(2,2)	1:F:13:TYR:CD2	1:P:118:ARG:CB	9	2.91
(2,2)	1:F:13:TYR:CD2	1:N:118:ARG:CB	9	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:F:13:TYR:CD2	1:M:118:ARG:CB	9	2.91
(2,2)	1:F:13:TYR:CD2	1:J:118:ARG:CB	9	2.91
(2,2)	1:F:13:TYR:CD2	1:K:118:ARG:CB	9	2.91
(2,2)	1:F:13:TYR:CD2	1:L:118:ARG:CB	9	2.91
(2,2)	1:E:13:TYR:CD2	1:I:118:ARG:CB	9	2.91
(2,2)	1:E:13:TYR:CD2	1:O:118:ARG:CB	9	2.91
(2,2)	1:E:13:TYR:CD2	1:P:118:ARG:CB	9	2.91
(2,2)	1:E:13:TYR:CD2	1:N:118:ARG:CB	9	2.91
(2,2)	1:E:13:TYR:CD2	1:M:118:ARG:CB	9	2.91
(2,2)	1:E:13:TYR:CD2	1:J:118:ARG:CB	9	2.91
(2,2)	1:E:13:TYR:CD2	1:K:118:ARG:CB	9	2.91
(2,2)	1:E:13:TYR:CD2	1:L:118:ARG:CB	9	2.91
(2,2)	1:D:13:TYR:CD2	1:I:118:ARG:CB	9	2.91
(2,2)	1:D:13:TYR:CD2	1:O:118:ARG:CB	9	2.91
(2,2)	1:D:13:TYR:CD2	1:P:118:ARG:CB	9	2.91
(2,2)	1:D:13:TYR:CD2	1:N:118:ARG:CB	9	2.91
(2,2)	1:D:13:TYR:CD2	1:M:118:ARG:CB	9	2.91
(2,2)	1:D:13:TYR:CD2	1:J:118:ARG:CB	9	2.91
(2,2)	1:D:13:TYR:CD2	1:K:118:ARG:CB	9	2.91
(2,2)	1:D:13:TYR:CD2	1:L:118:ARG:CB	9	2.91
(2,2)	1:C:13:TYR:CD2	1:I:118:ARG:CB	8	2.89
(2,2)	1:C:13:TYR:CD2	1:O:118:ARG:CB	8	2.89
(2,2)	1:C:13:TYR:CD2	1:P:118:ARG:CB	8	2.89
(2,2)	1:C:13:TYR:CD2	1:N:118:ARG:CB	8	2.89
(2,2)	1:C:13:TYR:CD2	1:M:118:ARG:CB	8	2.89
(2,2)	1:C:13:TYR:CD2	1:J:118:ARG:CB	8	2.89
(2,2)	1:C:13:TYR:CD2	1:K:118:ARG:CB	8	2.89
(2,2)	1:C:13:TYR:CD2	1:L:118:ARG:CB	8	2.89
(2,2)	1:H:13:TYR:CD2	1:I:118:ARG:CB	8	2.89
(2,2)	1:H:13:TYR:CD2	1:O:118:ARG:CB	8	2.89
(2,2)	1:H:13:TYR:CD2	1:P:118:ARG:CB	8	2.89
(2,2)	1:H:13:TYR:CD2	1:N:118:ARG:CB	8	2.89
(2,2)	1:H:13:TYR:CD2	1:M:118:ARG:CB	8	2.89
(2,2)	1:H:13:TYR:CD2	1:J:118:ARG:CB	8	2.89
(2,2)	1:H:13:TYR:CD2	1:K:118:ARG:CB	8	2.89
(2,2)	1:H:13:TYR:CD2	1:L:118:ARG:CB	8	2.89
(2,2)	1:B:13:TYR:CD2	1:I:118:ARG:CB	8	2.89
(2,2)	1:B:13:TYR:CD2	1:O:118:ARG:CB	8	2.89
(2,2)	1:B:13:TYR:CD2	1:P:118:ARG:CB	8	2.89
(2,2)	1:B:13:TYR:CD2	1:N:118:ARG:CB	8	2.89
(2,2)	1:B:13:TYR:CD2	1:M:118:ARG:CB	8	2.89
(2,2)	1:B:13:TYR:CD2	1:J:118:ARG:CB	8	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:B:13:TYR:CD2	1:K:118:ARG:CB	8	2.89
(2,2)	1:B:13:TYR:CD2	1:L:118:ARG:CB	8	2.89
(2,2)	1:A:13:TYR:CD2	1:I:118:ARG:CB	8	2.89
(2,2)	1:A:13:TYR:CD2	1:O:118:ARG:CB	8	2.89
(2,2)	1:A:13:TYR:CD2	1:P:118:ARG:CB	8	2.89
(2,2)	1:A:13:TYR:CD2	1:N:118:ARG:CB	8	2.89
(2,2)	1:A:13:TYR:CD2	1:M:118:ARG:CB	8	2.89
(2,2)	1:A:13:TYR:CD2	1:J:118:ARG:CB	8	2.89
(2,2)	1:A:13:TYR:CD2	1:K:118:ARG:CB	8	2.89
(2,2)	1:A:13:TYR:CD2	1:L:118:ARG:CB	8	2.89
(2,2)	1:G:13:TYR:CD2	1:I:118:ARG:CB	8	2.89
(2,2)	1:G:13:TYR:CD2	1:O:118:ARG:CB	8	2.89
(2,2)	1:G:13:TYR:CD2	1:P:118:ARG:CB	8	2.89
(2,2)	1:G:13:TYR:CD2	1:N:118:ARG:CB	8	2.89
(2,2)	1:G:13:TYR:CD2	1:M:118:ARG:CB	8	2.89
(2,2)	1:G:13:TYR:CD2	1:J:118:ARG:CB	8	2.89
(2,2)	1:G:13:TYR:CD2	1:K:118:ARG:CB	8	2.89
(2,2)	1:G:13:TYR:CD2	1:L:118:ARG:CB	8	2.89
(2,2)	1:F:13:TYR:CD2	1:I:118:ARG:CB	8	2.89
(2,2)	1:F:13:TYR:CD2	1:O:118:ARG:CB	8	2.89
(2,2)	1:F:13:TYR:CD2	1:P:118:ARG:CB	8	2.89
(2,2)	1:F:13:TYR:CD2	1:N:118:ARG:CB	8	2.89
(2,2)	1:F:13:TYR:CD2	1:M:118:ARG:CB	8	2.89
(2,2)	1:F:13:TYR:CD2	1:J:118:ARG:CB	8	2.89
(2,2)	1:F:13:TYR:CD2	1:K:118:ARG:CB	8	2.89
(2,2)	1:F:13:TYR:CD2	1:L:118:ARG:CB	8	2.89
(2,2)	1:E:13:TYR:CD2	1:I:118:ARG:CB	8	2.89
(2,2)	1:E:13:TYR:CD2	1:O:118:ARG:CB	8	2.89
(2,2)	1:E:13:TYR:CD2	1:P:118:ARG:CB	8	2.89
(2,2)	1:E:13:TYR:CD2	1:N:118:ARG:CB	8	2.89
(2,2)	1:E:13:TYR:CD2	1:M:118:ARG:CB	8	2.89
(2,2)	1:E:13:TYR:CD2	1:J:118:ARG:CB	8	2.89
(2,2)	1:E:13:TYR:CD2	1:K:118:ARG:CB	8	2.89
(2,2)	1:E:13:TYR:CD2	1:L:118:ARG:CB	8	2.89
(2,2)	1:D:13:TYR:CD2	1:I:118:ARG:CB	8	2.89
(2,2)	1:D:13:TYR:CD2	1:O:118:ARG:CB	8	2.89
(2,2)	1:D:13:TYR:CD2	1:P:118:ARG:CB	8	2.89
(2,2)	1:D:13:TYR:CD2	1:N:118:ARG:CB	8	2.89
(2,2)	1:D:13:TYR:CD2	1:M:118:ARG:CB	8	2.89
(2,2)	1:D:13:TYR:CD2	1:J:118:ARG:CB	8	2.89
(2,2)	1:D:13:TYR:CD2	1:K:118:ARG:CB	8	2.89
(2,2)	1:D:13:TYR:CD2	1:L:118:ARG:CB	8	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:C:13:TYR:CD2	1:I:118:ARG:CB	1	2.88
(2,2)	1:C:13:TYR:CD2	1:O:118:ARG:CB	1	2.88
(2,2)	1:C:13:TYR:CD2	1:P:118:ARG:CB	1	2.88
(2,2)	1:C:13:TYR:CD2	1:N:118:ARG:CB	1	2.88
(2,2)	1:C:13:TYR:CD2	1:M:118:ARG:CB	1	2.88
(2,2)	1:C:13:TYR:CD2	1:J:118:ARG:CB	1	2.88
(2,2)	1:C:13:TYR:CD2	1:K:118:ARG:CB	1	2.88
(2,2)	1:C:13:TYR:CD2	1:L:118:ARG:CB	1	2.88
(2,2)	1:H:13:TYR:CD2	1:I:118:ARG:CB	1	2.88
(2,2)	1:H:13:TYR:CD2	1:O:118:ARG:CB	1	2.88
(2,2)	1:H:13:TYR:CD2	1:P:118:ARG:CB	1	2.88
(2,2)	1:H:13:TYR:CD2	1:N:118:ARG:CB	1	2.88
(2,2)	1:H:13:TYR:CD2	1:M:118:ARG:CB	1	2.88
(2,2)	1:H:13:TYR:CD2	1:J:118:ARG:CB	1	2.88
(2,2)	1:H:13:TYR:CD2	1:K:118:ARG:CB	1	2.88
(2,2)	1:H:13:TYR:CD2	1:L:118:ARG:CB	1	2.88
(2,2)	1:B:13:TYR:CD2	1:I:118:ARG:CB	1	2.88
(2,2)	1:B:13:TYR:CD2	1:O:118:ARG:CB	1	2.88
(2,2)	1:B:13:TYR:CD2	1:P:118:ARG:CB	1	2.88
(2,2)	1:B:13:TYR:CD2	1:N:118:ARG:CB	1	2.88
(2,2)	1:B:13:TYR:CD2	1:M:118:ARG:CB	1	2.88
(2,2)	1:B:13:TYR:CD2	1:J:118:ARG:CB	1	2.88
(2,2)	1:B:13:TYR:CD2	1:K:118:ARG:CB	1	2.88
(2,2)	1:B:13:TYR:CD2	1:L:118:ARG:CB	1	2.88
(2,2)	1:A:13:TYR:CD2	1:I:118:ARG:CB	1	2.88
(2,2)	1:A:13:TYR:CD2	1:O:118:ARG:CB	1	2.88
(2,2)	1:A:13:TYR:CD2	1:P:118:ARG:CB	1	2.88
(2,2)	1:A:13:TYR:CD2	1:N:118:ARG:CB	1	2.88
(2,2)	1:A:13:TYR:CD2	1:M:118:ARG:CB	1	2.88
(2,2)	1:A:13:TYR:CD2	1:J:118:ARG:CB	1	2.88
(2,2)	1:A:13:TYR:CD2	1:K:118:ARG:CB	1	2.88
(2,2)	1:A:13:TYR:CD2	1:L:118:ARG:CB	1	2.88
(2,2)	1:G:13:TYR:CD2	1:I:118:ARG:CB	1	2.88
(2,2)	1:G:13:TYR:CD2	1:O:118:ARG:CB	1	2.88
(2,2)	1:G:13:TYR:CD2	1:P:118:ARG:CB	1	2.88
(2,2)	1:G:13:TYR:CD2	1:N:118:ARG:CB	1	2.88
(2,2)	1:G:13:TYR:CD2	1:M:118:ARG:CB	1	2.88
(2,2)	1:G:13:TYR:CD2	1:J:118:ARG:CB	1	2.88
(2,2)	1:G:13:TYR:CD2	1:K:118:ARG:CB	1	2.88
(2,2)	1:G:13:TYR:CD2	1:L:118:ARG:CB	1	2.88
(2,2)	1:F:13:TYR:CD2	1:I:118:ARG:CB	1	2.88
(2,2)	1:F:13:TYR:CD2	1:O:118:ARG:CB	1	2.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:F:13:TYR:CD2	1:P:118:ARG:CB	1	2.88
(2,2)	1:F:13:TYR:CD2	1:N:118:ARG:CB	1	2.88
(2,2)	1:F:13:TYR:CD2	1:M:118:ARG:CB	1	2.88
(2,2)	1:F:13:TYR:CD2	1:J:118:ARG:CB	1	2.88
(2,2)	1:F:13:TYR:CD2	1:K:118:ARG:CB	1	2.88
(2,2)	1:F:13:TYR:CD2	1:L:118:ARG:CB	1	2.88
(2,2)	1:E:13:TYR:CD2	1:I:118:ARG:CB	1	2.88
(2,2)	1:E:13:TYR:CD2	1:O:118:ARG:CB	1	2.88
(2,2)	1:E:13:TYR:CD2	1:P:118:ARG:CB	1	2.88
(2,2)	1:E:13:TYR:CD2	1:N:118:ARG:CB	1	2.88
(2,2)	1:E:13:TYR:CD2	1:M:118:ARG:CB	1	2.88
(2,2)	1:E:13:TYR:CD2	1:J:118:ARG:CB	1	2.88
(2,2)	1:E:13:TYR:CD2	1:K:118:ARG:CB	1	2.88
(2,2)	1:E:13:TYR:CD2	1:L:118:ARG:CB	1	2.88
(2,2)	1:D:13:TYR:CD2	1:I:118:ARG:CB	1	2.88
(2,2)	1:D:13:TYR:CD2	1:O:118:ARG:CB	1	2.88
(2,2)	1:D:13:TYR:CD2	1:P:118:ARG:CB	1	2.88
(2,2)	1:D:13:TYR:CD2	1:N:118:ARG:CB	1	2.88
(2,2)	1:D:13:TYR:CD2	1:M:118:ARG:CB	1	2.88
(2,2)	1:D:13:TYR:CD2	1:J:118:ARG:CB	1	2.88
(2,2)	1:D:13:TYR:CD2	1:K:118:ARG:CB	1	2.88
(2,2)	1:D:13:TYR:CD2	1:L:118:ARG:CB	1	2.88
(2,2)	1:C:13:TYR:CD2	1:I:118:ARG:CB	6	2.87
(2,2)	1:C:13:TYR:CD2	1:O:118:ARG:CB	6	2.87
(2,2)	1:C:13:TYR:CD2	1:P:118:ARG:CB	6	2.87
(2,2)	1:C:13:TYR:CD2	1:N:118:ARG:CB	6	2.87
(2,2)	1:C:13:TYR:CD2	1:M:118:ARG:CB	6	2.87
(2,2)	1:C:13:TYR:CD2	1:J:118:ARG:CB	6	2.87
(2,2)	1:C:13:TYR:CD2	1:K:118:ARG:CB	6	2.87
(2,2)	1:C:13:TYR:CD2	1:L:118:ARG:CB	6	2.87
(2,2)	1:H:13:TYR:CD2	1:I:118:ARG:CB	6	2.87
(2,2)	1:H:13:TYR:CD2	1:O:118:ARG:CB	6	2.87
(2,2)	1:H:13:TYR:CD2	1:P:118:ARG:CB	6	2.87
(2,2)	1:H:13:TYR:CD2	1:N:118:ARG:CB	6	2.87
(2,2)	1:H:13:TYR:CD2	1:M:118:ARG:CB	6	2.87
(2,2)	1:H:13:TYR:CD2	1:J:118:ARG:CB	6	2.87
(2,2)	1:H:13:TYR:CD2	1:K:118:ARG:CB	6	2.87
(2,2)	1:H:13:TYR:CD2	1:L:118:ARG:CB	6	2.87
(2,2)	1:B:13:TYR:CD2	1:I:118:ARG:CB	6	2.87
(2,2)	1:B:13:TYR:CD2	1:O:118:ARG:CB	6	2.87
(2,2)	1:B:13:TYR:CD2	1:P:118:ARG:CB	6	2.87
(2,2)	1:B:13:TYR:CD2	1:N:118:ARG:CB	6	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:B:13:TYR:CD2	1:M:118:ARG:CB	6	2.87
(2,2)	1:B:13:TYR:CD2	1:J:118:ARG:CB	6	2.87
(2,2)	1:B:13:TYR:CD2	1:K:118:ARG:CB	6	2.87
(2,2)	1:B:13:TYR:CD2	1:L:118:ARG:CB	6	2.87
(2,2)	1:A:13:TYR:CD2	1:I:118:ARG:CB	6	2.87
(2,2)	1:A:13:TYR:CD2	1:O:118:ARG:CB	6	2.87
(2,2)	1:A:13:TYR:CD2	1:P:118:ARG:CB	6	2.87
(2,2)	1:A:13:TYR:CD2	1:N:118:ARG:CB	6	2.87
(2,2)	1:A:13:TYR:CD2	1:M:118:ARG:CB	6	2.87
(2,2)	1:A:13:TYR:CD2	1:J:118:ARG:CB	6	2.87
(2,2)	1:A:13:TYR:CD2	1:K:118:ARG:CB	6	2.87
(2,2)	1:A:13:TYR:CD2	1:L:118:ARG:CB	6	2.87
(2,2)	1:G:13:TYR:CD2	1:I:118:ARG:CB	6	2.87
(2,2)	1:G:13:TYR:CD2	1:O:118:ARG:CB	6	2.87
(2,2)	1:G:13:TYR:CD2	1:P:118:ARG:CB	6	2.87
(2,2)	1:G:13:TYR:CD2	1:N:118:ARG:CB	6	2.87
(2,2)	1:G:13:TYR:CD2	1:M:118:ARG:CB	6	2.87
(2,2)	1:G:13:TYR:CD2	1:J:118:ARG:CB	6	2.87
(2,2)	1:G:13:TYR:CD2	1:K:118:ARG:CB	6	2.87
(2,2)	1:G:13:TYR:CD2	1:L:118:ARG:CB	6	2.87
(2,2)	1:F:13:TYR:CD2	1:I:118:ARG:CB	6	2.87
(2,2)	1:F:13:TYR:CD2	1:O:118:ARG:CB	6	2.87
(2,2)	1:F:13:TYR:CD2	1:P:118:ARG:CB	6	2.87
(2,2)	1:F:13:TYR:CD2	1:N:118:ARG:CB	6	2.87
(2,2)	1:F:13:TYR:CD2	1:M:118:ARG:CB	6	2.87
(2,2)	1:F:13:TYR:CD2	1:J:118:ARG:CB	6	2.87
(2,2)	1:F:13:TYR:CD2	1:K:118:ARG:CB	6	2.87
(2,2)	1:F:13:TYR:CD2	1:L:118:ARG:CB	6	2.87
(2,2)	1:E:13:TYR:CD2	1:I:118:ARG:CB	6	2.87
(2,2)	1:E:13:TYR:CD2	1:O:118:ARG:CB	6	2.87
(2,2)	1:E:13:TYR:CD2	1:P:118:ARG:CB	6	2.87
(2,2)	1:E:13:TYR:CD2	1:N:118:ARG:CB	6	2.87
(2,2)	1:E:13:TYR:CD2	1:M:118:ARG:CB	6	2.87
(2,2)	1:E:13:TYR:CD2	1:J:118:ARG:CB	6	2.87
(2,2)	1:E:13:TYR:CD2	1:K:118:ARG:CB	6	2.87
(2,2)	1:E:13:TYR:CD2	1:L:118:ARG:CB	6	2.87
(2,2)	1:D:13:TYR:CD2	1:I:118:ARG:CB	6	2.87
(2,2)	1:D:13:TYR:CD2	1:O:118:ARG:CB	6	2.87
(2,2)	1:D:13:TYR:CD2	1:P:118:ARG:CB	6	2.87
(2,2)	1:D:13:TYR:CD2	1:N:118:ARG:CB	6	2.87
(2,2)	1:D:13:TYR:CD2	1:M:118:ARG:CB	6	2.87
(2,2)	1:D:13:TYR:CD2	1:J:118:ARG:CB	6	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:D:13:TYR:CD2	1:K:118:ARG:CB	6	2.87
(2,2)	1:D:13:TYR:CD2	1:L:118:ARG:CB	6	2.87
(2,2)	1:C:13:TYR:CD2	1:I:118:ARG:CB	5	2.86
(2,2)	1:C:13:TYR:CD2	1:O:118:ARG:CB	5	2.86
(2,2)	1:C:13:TYR:CD2	1:P:118:ARG:CB	5	2.86
(2,2)	1:C:13:TYR:CD2	1:N:118:ARG:CB	5	2.86
(2,2)	1:C:13:TYR:CD2	1:M:118:ARG:CB	5	2.86
(2,2)	1:C:13:TYR:CD2	1:J:118:ARG:CB	5	2.86
(2,2)	1:C:13:TYR:CD2	1:K:118:ARG:CB	5	2.86
(2,2)	1:C:13:TYR:CD2	1:L:118:ARG:CB	5	2.86
(2,2)	1:H:13:TYR:CD2	1:I:118:ARG:CB	5	2.86
(2,2)	1:H:13:TYR:CD2	1:O:118:ARG:CB	5	2.86
(2,2)	1:H:13:TYR:CD2	1:P:118:ARG:CB	5	2.86
(2,2)	1:H:13:TYR:CD2	1:N:118:ARG:CB	5	2.86
(2,2)	1:H:13:TYR:CD2	1:M:118:ARG:CB	5	2.86
(2,2)	1:H:13:TYR:CD2	1:J:118:ARG:CB	5	2.86
(2,2)	1:H:13:TYR:CD2	1:K:118:ARG:CB	5	2.86
(2,2)	1:H:13:TYR:CD2	1:L:118:ARG:CB	5	2.86
(2,2)	1:B:13:TYR:CD2	1:I:118:ARG:CB	5	2.86
(2,2)	1:B:13:TYR:CD2	1:O:118:ARG:CB	5	2.86
(2,2)	1:B:13:TYR:CD2	1:P:118:ARG:CB	5	2.86
(2,2)	1:B:13:TYR:CD2	1:N:118:ARG:CB	5	2.86
(2,2)	1:B:13:TYR:CD2	1:M:118:ARG:CB	5	2.86
(2,2)	1:B:13:TYR:CD2	1:J:118:ARG:CB	5	2.86
(2,2)	1:B:13:TYR:CD2	1:K:118:ARG:CB	5	2.86
(2,2)	1:B:13:TYR:CD2	1:L:118:ARG:CB	5	2.86
(2,2)	1:A:13:TYR:CD2	1:I:118:ARG:CB	5	2.86
(2,2)	1:A:13:TYR:CD2	1:O:118:ARG:CB	5	2.86
(2,2)	1:A:13:TYR:CD2	1:P:118:ARG:CB	5	2.86
(2,2)	1:A:13:TYR:CD2	1:N:118:ARG:CB	5	2.86
(2,2)	1:A:13:TYR:CD2	1:M:118:ARG:CB	5	2.86
(2,2)	1:A:13:TYR:CD2	1:J:118:ARG:CB	5	2.86
(2,2)	1:A:13:TYR:CD2	1:K:118:ARG:CB	5	2.86
(2,2)	1:A:13:TYR:CD2	1:L:118:ARG:CB	5	2.86
(2,2)	1:G:13:TYR:CD2	1:I:118:ARG:CB	5	2.86
(2,2)	1:G:13:TYR:CD2	1:O:118:ARG:CB	5	2.86
(2,2)	1:G:13:TYR:CD2	1:P:118:ARG:CB	5	2.86
(2,2)	1:G:13:TYR:CD2	1:N:118:ARG:CB	5	2.86
(2,2)	1:G:13:TYR:CD2	1:M:118:ARG:CB	5	2.86
(2,2)	1:G:13:TYR:CD2	1:J:118:ARG:CB	5	2.86
(2,2)	1:G:13:TYR:CD2	1:K:118:ARG:CB	5	2.86
(2,2)	1:G:13:TYR:CD2	1:L:118:ARG:CB	5	2.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:F:13:TYR:CD2	1:I:118:ARG:CB	5	2.86
(2,2)	1:F:13:TYR:CD2	1:O:118:ARG:CB	5	2.86
(2,2)	1:F:13:TYR:CD2	1:P:118:ARG:CB	5	2.86
(2,2)	1:F:13:TYR:CD2	1:N:118:ARG:CB	5	2.86
(2,2)	1:F:13:TYR:CD2	1:M:118:ARG:CB	5	2.86
(2,2)	1:F:13:TYR:CD2	1:J:118:ARG:CB	5	2.86
(2,2)	1:F:13:TYR:CD2	1:K:118:ARG:CB	5	2.86
(2,2)	1:F:13:TYR:CD2	1:L:118:ARG:CB	5	2.86
(2,2)	1:E:13:TYR:CD2	1:I:118:ARG:CB	5	2.86
(2,2)	1:E:13:TYR:CD2	1:O:118:ARG:CB	5	2.86
(2,2)	1:E:13:TYR:CD2	1:P:118:ARG:CB	5	2.86
(2,2)	1:E:13:TYR:CD2	1:N:118:ARG:CB	5	2.86
(2,2)	1:E:13:TYR:CD2	1:M:118:ARG:CB	5	2.86
(2,2)	1:E:13:TYR:CD2	1:J:118:ARG:CB	5	2.86
(2,2)	1:E:13:TYR:CD2	1:K:118:ARG:CB	5	2.86
(2,2)	1:E:13:TYR:CD2	1:L:118:ARG:CB	5	2.86
(2,2)	1:D:13:TYR:CD2	1:I:118:ARG:CB	5	2.86
(2,2)	1:D:13:TYR:CD2	1:O:118:ARG:CB	5	2.86
(2,2)	1:D:13:TYR:CD2	1:P:118:ARG:CB	5	2.86
(2,2)	1:D:13:TYR:CD2	1:N:118:ARG:CB	5	2.86
(2,2)	1:D:13:TYR:CD2	1:M:118:ARG:CB	5	2.86
(2,2)	1:D:13:TYR:CD2	1:J:118:ARG:CB	5	2.86
(2,2)	1:D:13:TYR:CD2	1:K:118:ARG:CB	5	2.86
(2,2)	1:D:13:TYR:CD2	1:L:118:ARG:CB	5	2.86
(2,6)	1:H:22:PHE:CE2	1:M:109:ASP:CB	5	2.79
(2,6)	1:H:22:PHE:CE2	1:N:109:ASP:CB	5	2.79
(2,6)	1:H:22:PHE:CE2	1:J:109:ASP:CB	5	2.79
(2,6)	1:H:22:PHE:CE2	1:P:109:ASP:CB	5	2.79
(2,6)	1:H:22:PHE:CE2	1:K:109:ASP:CB	5	2.79
(2,6)	1:H:22:PHE:CE2	1:L:109:ASP:CB	5	2.79
(2,6)	1:H:22:PHE:CE2	1:O:109:ASP:CB	5	2.79
(2,6)	1:H:22:PHE:CE2	1:I:109:ASP:CB	5	2.79
(2,6)	1:F:22:PHE:CE2	1:M:109:ASP:CB	5	2.79
(2,6)	1:F:22:PHE:CE2	1:N:109:ASP:CB	5	2.79
(2,6)	1:F:22:PHE:CE2	1:J:109:ASP:CB	5	2.79
(2,6)	1:F:22:PHE:CE2	1:P:109:ASP:CB	5	2.79
(2,6)	1:F:22:PHE:CE2	1:K:109:ASP:CB	5	2.79
(2,6)	1:F:22:PHE:CE2	1:L:109:ASP:CB	5	2.79
(2,6)	1:F:22:PHE:CE2	1:O:109:ASP:CB	5	2.79
(2,6)	1:F:22:PHE:CE2	1:I:109:ASP:CB	5	2.79
(2,6)	1:E:22:PHE:CE2	1:M:109:ASP:CB	5	2.79
(2,6)	1:E:22:PHE:CE2	1:N:109:ASP:CB	5	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:E:22:PHE:CE2	1:J:109:ASP:CB	5	2.79
(2,6)	1:E:22:PHE:CE2	1:P:109:ASP:CB	5	2.79
(2,6)	1:E:22:PHE:CE2	1:K:109:ASP:CB	5	2.79
(2,6)	1:E:22:PHE:CE2	1:L:109:ASP:CB	5	2.79
(2,6)	1:E:22:PHE:CE2	1:O:109:ASP:CB	5	2.79
(2,6)	1:E:22:PHE:CE2	1:I:109:ASP:CB	5	2.79
(2,6)	1:B:22:PHE:CE2	1:M:109:ASP:CB	5	2.79
(2,6)	1:B:22:PHE:CE2	1:N:109:ASP:CB	5	2.79
(2,6)	1:B:22:PHE:CE2	1:J:109:ASP:CB	5	2.79
(2,6)	1:B:22:PHE:CE2	1:P:109:ASP:CB	5	2.79
(2,6)	1:B:22:PHE:CE2	1:K:109:ASP:CB	5	2.79
(2,6)	1:B:22:PHE:CE2	1:L:109:ASP:CB	5	2.79
(2,6)	1:B:22:PHE:CE2	1:O:109:ASP:CB	5	2.79
(2,6)	1:B:22:PHE:CE2	1:I:109:ASP:CB	5	2.79
(2,6)	1:G:22:PHE:CE2	1:M:109:ASP:CB	5	2.79
(2,6)	1:G:22:PHE:CE2	1:N:109:ASP:CB	5	2.79
(2,6)	1:G:22:PHE:CE2	1:J:109:ASP:CB	5	2.79
(2,6)	1:G:22:PHE:CE2	1:P:109:ASP:CB	5	2.79
(2,6)	1:G:22:PHE:CE2	1:K:109:ASP:CB	5	2.79
(2,6)	1:G:22:PHE:CE2	1:L:109:ASP:CB	5	2.79
(2,6)	1:G:22:PHE:CE2	1:O:109:ASP:CB	5	2.79
(2,6)	1:G:22:PHE:CE2	1:I:109:ASP:CB	5	2.79
(2,6)	1:A:22:PHE:CE2	1:M:109:ASP:CB	5	2.79
(2,6)	1:A:22:PHE:CE2	1:N:109:ASP:CB	5	2.79
(2,6)	1:A:22:PHE:CE2	1:J:109:ASP:CB	5	2.79
(2,6)	1:A:22:PHE:CE2	1:P:109:ASP:CB	5	2.79
(2,6)	1:A:22:PHE:CE2	1:K:109:ASP:CB	5	2.79
(2,6)	1:A:22:PHE:CE2	1:L:109:ASP:CB	5	2.79
(2,6)	1:A:22:PHE:CE2	1:O:109:ASP:CB	5	2.79
(2,6)	1:A:22:PHE:CE2	1:I:109:ASP:CB	5	2.79
(2,6)	1:D:22:PHE:CE2	1:M:109:ASP:CB	5	2.79
(2,6)	1:D:22:PHE:CE2	1:N:109:ASP:CB	5	2.79
(2,6)	1:D:22:PHE:CE2	1:J:109:ASP:CB	5	2.79
(2,6)	1:D:22:PHE:CE2	1:P:109:ASP:CB	5	2.79
(2,6)	1:D:22:PHE:CE2	1:K:109:ASP:CB	5	2.79
(2,6)	1:D:22:PHE:CE2	1:L:109:ASP:CB	5	2.79
(2,6)	1:D:22:PHE:CE2	1:O:109:ASP:CB	5	2.79
(2,6)	1:D:22:PHE:CE2	1:I:109:ASP:CB	5	2.79
(2,6)	1:C:22:PHE:CE2	1:M:109:ASP:CB	5	2.79
(2,6)	1:C:22:PHE:CE2	1:N:109:ASP:CB	5	2.79
(2,6)	1:C:22:PHE:CE2	1:J:109:ASP:CB	5	2.79
(2,6)	1:C:22:PHE:CE2	1:P:109:ASP:CB	5	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:C:22:PHE:CE2	1:K:109:ASP:CB	5	2.79
(2,6)	1:C:22:PHE:CE2	1:L:109:ASP:CB	5	2.79
(2,6)	1:C:22:PHE:CE2	1:O:109:ASP:CB	5	2.79
(2,6)	1:C:22:PHE:CE2	1:I:109:ASP:CB	5	2.79
(2,2)	1:C:13:TYR:CD2	1:I:118:ARG:CB	7	2.78
(2,2)	1:C:13:TYR:CD2	1:O:118:ARG:CB	7	2.78
(2,2)	1:C:13:TYR:CD2	1:P:118:ARG:CB	7	2.78
(2,2)	1:C:13:TYR:CD2	1:N:118:ARG:CB	7	2.78
(2,2)	1:C:13:TYR:CD2	1:M:118:ARG:CB	7	2.78
(2,2)	1:C:13:TYR:CD2	1:J:118:ARG:CB	7	2.78
(2,2)	1:C:13:TYR:CD2	1:K:118:ARG:CB	7	2.78
(2,2)	1:C:13:TYR:CD2	1:L:118:ARG:CB	7	2.78
(2,2)	1:H:13:TYR:CD2	1:I:118:ARG:CB	7	2.78
(2,2)	1:H:13:TYR:CD2	1:O:118:ARG:CB	7	2.78
(2,2)	1:H:13:TYR:CD2	1:P:118:ARG:CB	7	2.78
(2,2)	1:H:13:TYR:CD2	1:N:118:ARG:CB	7	2.78
(2,2)	1:H:13:TYR:CD2	1:M:118:ARG:CB	7	2.78
(2,2)	1:H:13:TYR:CD2	1:J:118:ARG:CB	7	2.78
(2,2)	1:H:13:TYR:CD2	1:K:118:ARG:CB	7	2.78
(2,2)	1:H:13:TYR:CD2	1:L:118:ARG:CB	7	2.78
(2,2)	1:B:13:TYR:CD2	1:I:118:ARG:CB	7	2.78
(2,2)	1:B:13:TYR:CD2	1:O:118:ARG:CB	7	2.78
(2,2)	1:B:13:TYR:CD2	1:P:118:ARG:CB	7	2.78
(2,2)	1:B:13:TYR:CD2	1:N:118:ARG:CB	7	2.78
(2,2)	1:B:13:TYR:CD2	1:M:118:ARG:CB	7	2.78
(2,2)	1:B:13:TYR:CD2	1:J:118:ARG:CB	7	2.78
(2,2)	1:B:13:TYR:CD2	1:K:118:ARG:CB	7	2.78
(2,2)	1:B:13:TYR:CD2	1:L:118:ARG:CB	7	2.78
(2,2)	1:A:13:TYR:CD2	1:I:118:ARG:CB	7	2.78
(2,2)	1:A:13:TYR:CD2	1:O:118:ARG:CB	7	2.78
(2,2)	1:A:13:TYR:CD2	1:P:118:ARG:CB	7	2.78
(2,2)	1:A:13:TYR:CD2	1:N:118:ARG:CB	7	2.78
(2,2)	1:A:13:TYR:CD2	1:M:118:ARG:CB	7	2.78
(2,2)	1:A:13:TYR:CD2	1:J:118:ARG:CB	7	2.78
(2,2)	1:A:13:TYR:CD2	1:K:118:ARG:CB	7	2.78
(2,2)	1:A:13:TYR:CD2	1:L:118:ARG:CB	7	2.78
(2,2)	1:G:13:TYR:CD2	1:I:118:ARG:CB	7	2.78
(2,2)	1:G:13:TYR:CD2	1:O:118:ARG:CB	7	2.78
(2,2)	1:G:13:TYR:CD2	1:P:118:ARG:CB	7	2.78
(2,2)	1:G:13:TYR:CD2	1:N:118:ARG:CB	7	2.78
(2,2)	1:G:13:TYR:CD2	1:M:118:ARG:CB	7	2.78
(2,2)	1:G:13:TYR:CD2	1:J:118:ARG:CB	7	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:G:13:TYR:CD2	1:K:118:ARG:CB	7	2.78
(2,2)	1:G:13:TYR:CD2	1:L:118:ARG:CB	7	2.78
(2,2)	1:F:13:TYR:CD2	1:I:118:ARG:CB	7	2.78
(2,2)	1:F:13:TYR:CD2	1:O:118:ARG:CB	7	2.78
(2,2)	1:F:13:TYR:CD2	1:P:118:ARG:CB	7	2.78
(2,2)	1:F:13:TYR:CD2	1:N:118:ARG:CB	7	2.78
(2,2)	1:F:13:TYR:CD2	1:M:118:ARG:CB	7	2.78
(2,2)	1:F:13:TYR:CD2	1:J:118:ARG:CB	7	2.78
(2,2)	1:F:13:TYR:CD2	1:K:118:ARG:CB	7	2.78
(2,2)	1:F:13:TYR:CD2	1:L:118:ARG:CB	7	2.78
(2,2)	1:E:13:TYR:CD2	1:I:118:ARG:CB	7	2.78
(2,2)	1:E:13:TYR:CD2	1:O:118:ARG:CB	7	2.78
(2,2)	1:E:13:TYR:CD2	1:P:118:ARG:CB	7	2.78
(2,2)	1:E:13:TYR:CD2	1:N:118:ARG:CB	7	2.78
(2,2)	1:E:13:TYR:CD2	1:M:118:ARG:CB	7	2.78
(2,2)	1:E:13:TYR:CD2	1:J:118:ARG:CB	7	2.78
(2,2)	1:E:13:TYR:CD2	1:K:118:ARG:CB	7	2.78
(2,2)	1:E:13:TYR:CD2	1:L:118:ARG:CB	7	2.78
(2,2)	1:D:13:TYR:CD2	1:I:118:ARG:CB	7	2.78
(2,2)	1:D:13:TYR:CD2	1:O:118:ARG:CB	7	2.78
(2,2)	1:D:13:TYR:CD2	1:P:118:ARG:CB	7	2.78
(2,2)	1:D:13:TYR:CD2	1:N:118:ARG:CB	7	2.78
(2,2)	1:D:13:TYR:CD2	1:M:118:ARG:CB	7	2.78
(2,2)	1:D:13:TYR:CD2	1:J:118:ARG:CB	7	2.78
(2,2)	1:D:13:TYR:CD2	1:K:118:ARG:CB	7	2.78
(2,2)	1:D:13:TYR:CD2	1:L:118:ARG:CB	7	2.78
(2,6)	1:H:22:PHE:CE2	1:M:109:ASP:CB	3	2.75
(2,6)	1:H:22:PHE:CE2	1:N:109:ASP:CB	3	2.75
(2,6)	1:H:22:PHE:CE2	1:J:109:ASP:CB	3	2.75
(2,6)	1:H:22:PHE:CE2	1:P:109:ASP:CB	3	2.75
(2,6)	1:H:22:PHE:CE2	1:K:109:ASP:CB	3	2.75
(2,6)	1:H:22:PHE:CE2	1:L:109:ASP:CB	3	2.75
(2,6)	1:H:22:PHE:CE2	1:O:109:ASP:CB	3	2.75
(2,6)	1:H:22:PHE:CE2	1:I:109:ASP:CB	3	2.75
(2,6)	1:F:22:PHE:CE2	1:M:109:ASP:CB	3	2.75
(2,6)	1:F:22:PHE:CE2	1:N:109:ASP:CB	3	2.75
(2,6)	1:F:22:PHE:CE2	1:J:109:ASP:CB	3	2.75
(2,6)	1:F:22:PHE:CE2	1:P:109:ASP:CB	3	2.75
(2,6)	1:F:22:PHE:CE2	1:K:109:ASP:CB	3	2.75
(2,6)	1:F:22:PHE:CE2	1:L:109:ASP:CB	3	2.75
(2,6)	1:F:22:PHE:CE2	1:O:109:ASP:CB	3	2.75
(2,6)	1:F:22:PHE:CE2	1:I:109:ASP:CB	3	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:E:22:PHE:CE2	1:M:109:ASP:CB	3	2.75
(2,6)	1:E:22:PHE:CE2	1:N:109:ASP:CB	3	2.75
(2,6)	1:E:22:PHE:CE2	1:J:109:ASP:CB	3	2.75
(2,6)	1:E:22:PHE:CE2	1:P:109:ASP:CB	3	2.75
(2,6)	1:E:22:PHE:CE2	1:K:109:ASP:CB	3	2.75
(2,6)	1:E:22:PHE:CE2	1:L:109:ASP:CB	3	2.75
(2,6)	1:E:22:PHE:CE2	1:O:109:ASP:CB	3	2.75
(2,6)	1:E:22:PHE:CE2	1:I:109:ASP:CB	3	2.75
(2,6)	1:B:22:PHE:CE2	1:M:109:ASP:CB	3	2.75
(2,6)	1:B:22:PHE:CE2	1:N:109:ASP:CB	3	2.75
(2,6)	1:B:22:PHE:CE2	1:J:109:ASP:CB	3	2.75
(2,6)	1:B:22:PHE:CE2	1:P:109:ASP:CB	3	2.75
(2,6)	1:B:22:PHE:CE2	1:K:109:ASP:CB	3	2.75
(2,6)	1:B:22:PHE:CE2	1:L:109:ASP:CB	3	2.75
(2,6)	1:B:22:PHE:CE2	1:O:109:ASP:CB	3	2.75
(2,6)	1:B:22:PHE:CE2	1:I:109:ASP:CB	3	2.75
(2,6)	1:G:22:PHE:CE2	1:M:109:ASP:CB	3	2.75
(2,6)	1:G:22:PHE:CE2	1:N:109:ASP:CB	3	2.75
(2,6)	1:G:22:PHE:CE2	1:J:109:ASP:CB	3	2.75
(2,6)	1:G:22:PHE:CE2	1:P:109:ASP:CB	3	2.75
(2,6)	1:G:22:PHE:CE2	1:K:109:ASP:CB	3	2.75
(2,6)	1:G:22:PHE:CE2	1:L:109:ASP:CB	3	2.75
(2,6)	1:G:22:PHE:CE2	1:O:109:ASP:CB	3	2.75
(2,6)	1:G:22:PHE:CE2	1:I:109:ASP:CB	3	2.75
(2,6)	1:A:22:PHE:CE2	1:M:109:ASP:CB	3	2.75
(2,6)	1:A:22:PHE:CE2	1:N:109:ASP:CB	3	2.75
(2,6)	1:A:22:PHE:CE2	1:J:109:ASP:CB	3	2.75
(2,6)	1:A:22:PHE:CE2	1:P:109:ASP:CB	3	2.75
(2,6)	1:A:22:PHE:CE2	1:K:109:ASP:CB	3	2.75
(2,6)	1:A:22:PHE:CE2	1:L:109:ASP:CB	3	2.75
(2,6)	1:A:22:PHE:CE2	1:O:109:ASP:CB	3	2.75
(2,6)	1:A:22:PHE:CE2	1:I:109:ASP:CB	3	2.75
(2,6)	1:D:22:PHE:CE2	1:M:109:ASP:CB	3	2.75
(2,6)	1:D:22:PHE:CE2	1:N:109:ASP:CB	3	2.75
(2,6)	1:D:22:PHE:CE2	1:J:109:ASP:CB	3	2.75
(2,6)	1:D:22:PHE:CE2	1:P:109:ASP:CB	3	2.75
(2,6)	1:D:22:PHE:CE2	1:K:109:ASP:CB	3	2.75
(2,6)	1:D:22:PHE:CE2	1:L:109:ASP:CB	3	2.75
(2,6)	1:D:22:PHE:CE2	1:O:109:ASP:CB	3	2.75
(2,6)	1:D:22:PHE:CE2	1:I:109:ASP:CB	3	2.75
(2,6)	1:C:22:PHE:CE2	1:M:109:ASP:CB	3	2.75
(2,6)	1:C:22:PHE:CE2	1:N:109:ASP:CB	3	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:C:22:PHE:CE2	1:J:109:ASP:CB	3	2.75
(2,6)	1:C:22:PHE:CE2	1:P:109:ASP:CB	3	2.75
(2,6)	1:C:22:PHE:CE2	1:K:109:ASP:CB	3	2.75
(2,6)	1:C:22:PHE:CE2	1:L:109:ASP:CB	3	2.75
(2,6)	1:C:22:PHE:CE2	1:O:109:ASP:CB	3	2.75
(2,6)	1:C:22:PHE:CE2	1:I:109:ASP:CB	3	2.75
(2,6)	1:H:22:PHE:CE2	1:M:109:ASP:CB	8	2.73
(2,6)	1:H:22:PHE:CE2	1:N:109:ASP:CB	8	2.73
(2,6)	1:H:22:PHE:CE2	1:J:109:ASP:CB	8	2.73
(2,6)	1:H:22:PHE:CE2	1:P:109:ASP:CB	8	2.73
(2,6)	1:H:22:PHE:CE2	1:K:109:ASP:CB	8	2.73
(2,6)	1:H:22:PHE:CE2	1:L:109:ASP:CB	8	2.73
(2,6)	1:H:22:PHE:CE2	1:O:109:ASP:CB	8	2.73
(2,6)	1:H:22:PHE:CE2	1:I:109:ASP:CB	8	2.73
(2,6)	1:F:22:PHE:CE2	1:M:109:ASP:CB	8	2.73
(2,6)	1:F:22:PHE:CE2	1:N:109:ASP:CB	8	2.73
(2,6)	1:F:22:PHE:CE2	1:J:109:ASP:CB	8	2.73
(2,6)	1:F:22:PHE:CE2	1:P:109:ASP:CB	8	2.73
(2,6)	1:F:22:PHE:CE2	1:K:109:ASP:CB	8	2.73
(2,6)	1:F:22:PHE:CE2	1:L:109:ASP:CB	8	2.73
(2,6)	1:F:22:PHE:CE2	1:O:109:ASP:CB	8	2.73
(2,6)	1:F:22:PHE:CE2	1:I:109:ASP:CB	8	2.73
(2,6)	1:E:22:PHE:CE2	1:M:109:ASP:CB	8	2.73
(2,6)	1:E:22:PHE:CE2	1:N:109:ASP:CB	8	2.73
(2,6)	1:E:22:PHE:CE2	1:J:109:ASP:CB	8	2.73
(2,6)	1:E:22:PHE:CE2	1:P:109:ASP:CB	8	2.73
(2,6)	1:E:22:PHE:CE2	1:K:109:ASP:CB	8	2.73
(2,6)	1:E:22:PHE:CE2	1:L:109:ASP:CB	8	2.73
(2,6)	1:E:22:PHE:CE2	1:O:109:ASP:CB	8	2.73
(2,6)	1:E:22:PHE:CE2	1:I:109:ASP:CB	8	2.73
(2,6)	1:B:22:PHE:CE2	1:M:109:ASP:CB	8	2.73
(2,6)	1:B:22:PHE:CE2	1:N:109:ASP:CB	8	2.73
(2,6)	1:B:22:PHE:CE2	1:J:109:ASP:CB	8	2.73
(2,6)	1:B:22:PHE:CE2	1:P:109:ASP:CB	8	2.73
(2,6)	1:B:22:PHE:CE2	1:K:109:ASP:CB	8	2.73
(2,6)	1:B:22:PHE:CE2	1:L:109:ASP:CB	8	2.73
(2,6)	1:B:22:PHE:CE2	1:O:109:ASP:CB	8	2.73
(2,6)	1:B:22:PHE:CE2	1:I:109:ASP:CB	8	2.73
(2,6)	1:G:22:PHE:CE2	1:M:109:ASP:CB	8	2.73
(2,6)	1:G:22:PHE:CE2	1:N:109:ASP:CB	8	2.73
(2,6)	1:G:22:PHE:CE2	1:J:109:ASP:CB	8	2.73
(2,6)	1:G:22:PHE:CE2	1:P:109:ASP:CB	8	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:G:22:PHE:CE2	1:K:109:ASP:CB	8	2.73
(2,6)	1:G:22:PHE:CE2	1:L:109:ASP:CB	8	2.73
(2,6)	1:G:22:PHE:CE2	1:O:109:ASP:CB	8	2.73
(2,6)	1:G:22:PHE:CE2	1:I:109:ASP:CB	8	2.73
(2,6)	1:A:22:PHE:CE2	1:M:109:ASP:CB	8	2.73
(2,6)	1:A:22:PHE:CE2	1:N:109:ASP:CB	8	2.73
(2,6)	1:A:22:PHE:CE2	1:J:109:ASP:CB	8	2.73
(2,6)	1:A:22:PHE:CE2	1:P:109:ASP:CB	8	2.73
(2,6)	1:A:22:PHE:CE2	1:K:109:ASP:CB	8	2.73
(2,6)	1:A:22:PHE:CE2	1:L:109:ASP:CB	8	2.73
(2,6)	1:A:22:PHE:CE2	1:O:109:ASP:CB	8	2.73
(2,6)	1:A:22:PHE:CE2	1:I:109:ASP:CB	8	2.73
(2,6)	1:D:22:PHE:CE2	1:M:109:ASP:CB	8	2.73
(2,6)	1:D:22:PHE:CE2	1:N:109:ASP:CB	8	2.73
(2,6)	1:D:22:PHE:CE2	1:J:109:ASP:CB	8	2.73
(2,6)	1:D:22:PHE:CE2	1:P:109:ASP:CB	8	2.73
(2,6)	1:D:22:PHE:CE2	1:K:109:ASP:CB	8	2.73
(2,6)	1:D:22:PHE:CE2	1:L:109:ASP:CB	8	2.73
(2,6)	1:D:22:PHE:CE2	1:O:109:ASP:CB	8	2.73
(2,6)	1:D:22:PHE:CE2	1:I:109:ASP:CB	8	2.73
(2,6)	1:C:22:PHE:CE2	1:M:109:ASP:CB	8	2.73
(2,6)	1:C:22:PHE:CE2	1:N:109:ASP:CB	8	2.73
(2,6)	1:C:22:PHE:CE2	1:J:109:ASP:CB	8	2.73
(2,6)	1:C:22:PHE:CE2	1:P:109:ASP:CB	8	2.73
(2,6)	1:C:22:PHE:CE2	1:K:109:ASP:CB	8	2.73
(2,6)	1:C:22:PHE:CE2	1:L:109:ASP:CB	8	2.73
(2,6)	1:C:22:PHE:CE2	1:O:109:ASP:CB	8	2.73
(2,6)	1:C:22:PHE:CE2	1:I:109:ASP:CB	8	2.73
(2,6)	1:H:22:PHE:CE2	1:M:109:ASP:CB	7	2.71
(2,6)	1:H:22:PHE:CE2	1:N:109:ASP:CB	7	2.71
(2,6)	1:H:22:PHE:CE2	1:J:109:ASP:CB	7	2.71
(2,6)	1:H:22:PHE:CE2	1:P:109:ASP:CB	7	2.71
(2,6)	1:H:22:PHE:CE2	1:K:109:ASP:CB	7	2.71
(2,6)	1:H:22:PHE:CE2	1:L:109:ASP:CB	7	2.71
(2,6)	1:H:22:PHE:CE2	1:O:109:ASP:CB	7	2.71
(2,6)	1:H:22:PHE:CE2	1:I:109:ASP:CB	7	2.71
(2,6)	1:F:22:PHE:CE2	1:M:109:ASP:CB	7	2.71
(2,6)	1:F:22:PHE:CE2	1:N:109:ASP:CB	7	2.71
(2,6)	1:F:22:PHE:CE2	1:J:109:ASP:CB	7	2.71
(2,6)	1:F:22:PHE:CE2	1:P:109:ASP:CB	7	2.71
(2,6)	1:F:22:PHE:CE2	1:K:109:ASP:CB	7	2.71
(2,6)	1:F:22:PHE:CE2	1:L:109:ASP:CB	7	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:F:22:PHE:CE2	1:O:109:ASP:CB	7	2.71
(2,6)	1:F:22:PHE:CE2	1:I:109:ASP:CB	7	2.71
(2,6)	1:E:22:PHE:CE2	1:M:109:ASP:CB	7	2.71
(2,6)	1:E:22:PHE:CE2	1:N:109:ASP:CB	7	2.71
(2,6)	1:E:22:PHE:CE2	1:J:109:ASP:CB	7	2.71
(2,6)	1:E:22:PHE:CE2	1:P:109:ASP:CB	7	2.71
(2,6)	1:E:22:PHE:CE2	1:K:109:ASP:CB	7	2.71
(2,6)	1:E:22:PHE:CE2	1:L:109:ASP:CB	7	2.71
(2,6)	1:E:22:PHE:CE2	1:O:109:ASP:CB	7	2.71
(2,6)	1:E:22:PHE:CE2	1:I:109:ASP:CB	7	2.71
(2,6)	1:B:22:PHE:CE2	1:M:109:ASP:CB	7	2.71
(2,6)	1:B:22:PHE:CE2	1:N:109:ASP:CB	7	2.71
(2,6)	1:B:22:PHE:CE2	1:J:109:ASP:CB	7	2.71
(2,6)	1:B:22:PHE:CE2	1:P:109:ASP:CB	7	2.71
(2,6)	1:B:22:PHE:CE2	1:K:109:ASP:CB	7	2.71
(2,6)	1:B:22:PHE:CE2	1:L:109:ASP:CB	7	2.71
(2,6)	1:B:22:PHE:CE2	1:O:109:ASP:CB	7	2.71
(2,6)	1:B:22:PHE:CE2	1:I:109:ASP:CB	7	2.71
(2,6)	1:G:22:PHE:CE2	1:M:109:ASP:CB	7	2.71
(2,6)	1:G:22:PHE:CE2	1:N:109:ASP:CB	7	2.71
(2,6)	1:G:22:PHE:CE2	1:J:109:ASP:CB	7	2.71
(2,6)	1:G:22:PHE:CE2	1:P:109:ASP:CB	7	2.71
(2,6)	1:G:22:PHE:CE2	1:K:109:ASP:CB	7	2.71
(2,6)	1:G:22:PHE:CE2	1:L:109:ASP:CB	7	2.71
(2,6)	1:G:22:PHE:CE2	1:O:109:ASP:CB	7	2.71
(2,6)	1:G:22:PHE:CE2	1:I:109:ASP:CB	7	2.71
(2,6)	1:A:22:PHE:CE2	1:M:109:ASP:CB	7	2.71
(2,6)	1:A:22:PHE:CE2	1:N:109:ASP:CB	7	2.71
(2,6)	1:A:22:PHE:CE2	1:J:109:ASP:CB	7	2.71
(2,6)	1:A:22:PHE:CE2	1:P:109:ASP:CB	7	2.71
(2,6)	1:A:22:PHE:CE2	1:K:109:ASP:CB	7	2.71
(2,6)	1:A:22:PHE:CE2	1:L:109:ASP:CB	7	2.71
(2,6)	1:A:22:PHE:CE2	1:O:109:ASP:CB	7	2.71
(2,6)	1:A:22:PHE:CE2	1:I:109:ASP:CB	7	2.71
(2,6)	1:D:22:PHE:CE2	1:M:109:ASP:CB	7	2.71
(2,6)	1:D:22:PHE:CE2	1:N:109:ASP:CB	7	2.71
(2,6)	1:D:22:PHE:CE2	1:J:109:ASP:CB	7	2.71
(2,6)	1:D:22:PHE:CE2	1:P:109:ASP:CB	7	2.71
(2,6)	1:D:22:PHE:CE2	1:K:109:ASP:CB	7	2.71
(2,6)	1:D:22:PHE:CE2	1:L:109:ASP:CB	7	2.71
(2,6)	1:D:22:PHE:CE2	1:O:109:ASP:CB	7	2.71
(2,6)	1:D:22:PHE:CE2	1:I:109:ASP:CB	7	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:C:22:PHE:CE2	1:M:109:ASP:CB	7	2.71
(2,6)	1:C:22:PHE:CE2	1:N:109:ASP:CB	7	2.71
(2,6)	1:C:22:PHE:CE2	1:J:109:ASP:CB	7	2.71
(2,6)	1:C:22:PHE:CE2	1:P:109:ASP:CB	7	2.71
(2,6)	1:C:22:PHE:CE2	1:K:109:ASP:CB	7	2.71
(2,6)	1:C:22:PHE:CE2	1:L:109:ASP:CB	7	2.71
(2,6)	1:C:22:PHE:CE2	1:O:109:ASP:CB	7	2.71
(2,6)	1:C:22:PHE:CE2	1:I:109:ASP:CB	7	2.71
(2,6)	1:H:22:PHE:CE2	1:M:109:ASP:CB	2	2.68
(2,6)	1:H:22:PHE:CE2	1:N:109:ASP:CB	2	2.68
(2,6)	1:H:22:PHE:CE2	1:J:109:ASP:CB	2	2.68
(2,6)	1:H:22:PHE:CE2	1:P:109:ASP:CB	2	2.68
(2,6)	1:H:22:PHE:CE2	1:K:109:ASP:CB	2	2.68
(2,6)	1:H:22:PHE:CE2	1:L:109:ASP:CB	2	2.68
(2,6)	1:H:22:PHE:CE2	1:O:109:ASP:CB	2	2.68
(2,6)	1:H:22:PHE:CE2	1:I:109:ASP:CB	2	2.68
(2,6)	1:F:22:PHE:CE2	1:M:109:ASP:CB	2	2.68
(2,6)	1:F:22:PHE:CE2	1:N:109:ASP:CB	2	2.68
(2,6)	1:F:22:PHE:CE2	1:J:109:ASP:CB	2	2.68
(2,6)	1:F:22:PHE:CE2	1:P:109:ASP:CB	2	2.68
(2,6)	1:F:22:PHE:CE2	1:K:109:ASP:CB	2	2.68
(2,6)	1:F:22:PHE:CE2	1:L:109:ASP:CB	2	2.68
(2,6)	1:F:22:PHE:CE2	1:O:109:ASP:CB	2	2.68
(2,6)	1:F:22:PHE:CE2	1:I:109:ASP:CB	2	2.68
(2,6)	1:E:22:PHE:CE2	1:M:109:ASP:CB	2	2.68
(2,6)	1:E:22:PHE:CE2	1:N:109:ASP:CB	2	2.68
(2,6)	1:E:22:PHE:CE2	1:J:109:ASP:CB	2	2.68
(2,6)	1:E:22:PHE:CE2	1:P:109:ASP:CB	2	2.68
(2,6)	1:E:22:PHE:CE2	1:K:109:ASP:CB	2	2.68
(2,6)	1:E:22:PHE:CE2	1:L:109:ASP:CB	2	2.68
(2,6)	1:E:22:PHE:CE2	1:O:109:ASP:CB	2	2.68
(2,6)	1:E:22:PHE:CE2	1:I:109:ASP:CB	2	2.68
(2,6)	1:B:22:PHE:CE2	1:M:109:ASP:CB	2	2.68
(2,6)	1:B:22:PHE:CE2	1:N:109:ASP:CB	2	2.68
(2,6)	1:B:22:PHE:CE2	1:J:109:ASP:CB	2	2.68
(2,6)	1:B:22:PHE:CE2	1:P:109:ASP:CB	2	2.68
(2,6)	1:B:22:PHE:CE2	1:K:109:ASP:CB	2	2.68
(2,6)	1:B:22:PHE:CE2	1:L:109:ASP:CB	2	2.68
(2,6)	1:B:22:PHE:CE2	1:O:109:ASP:CB	2	2.68
(2,6)	1:B:22:PHE:CE2	1:I:109:ASP:CB	2	2.68
(2,6)	1:G:22:PHE:CE2	1:M:109:ASP:CB	2	2.68
(2,6)	1:G:22:PHE:CE2	1:N:109:ASP:CB	2	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:G:22:PHE:CE2	1:J:109:ASP:CB	2	2.68
(2,6)	1:G:22:PHE:CE2	1:P:109:ASP:CB	2	2.68
(2,6)	1:G:22:PHE:CE2	1:K:109:ASP:CB	2	2.68
(2,6)	1:G:22:PHE:CE2	1:L:109:ASP:CB	2	2.68
(2,6)	1:G:22:PHE:CE2	1:O:109:ASP:CB	2	2.68
(2,6)	1:G:22:PHE:CE2	1:I:109:ASP:CB	2	2.68
(2,6)	1:A:22:PHE:CE2	1:M:109:ASP:CB	2	2.68
(2,6)	1:A:22:PHE:CE2	1:N:109:ASP:CB	2	2.68
(2,6)	1:A:22:PHE:CE2	1:J:109:ASP:CB	2	2.68
(2,6)	1:A:22:PHE:CE2	1:P:109:ASP:CB	2	2.68
(2,6)	1:A:22:PHE:CE2	1:K:109:ASP:CB	2	2.68
(2,6)	1:A:22:PHE:CE2	1:L:109:ASP:CB	2	2.68
(2,6)	1:A:22:PHE:CE2	1:O:109:ASP:CB	2	2.68
(2,6)	1:A:22:PHE:CE2	1:I:109:ASP:CB	2	2.68
(2,6)	1:D:22:PHE:CE2	1:M:109:ASP:CB	2	2.68
(2,6)	1:D:22:PHE:CE2	1:N:109:ASP:CB	2	2.68
(2,6)	1:D:22:PHE:CE2	1:J:109:ASP:CB	2	2.68
(2,6)	1:D:22:PHE:CE2	1:P:109:ASP:CB	2	2.68
(2,6)	1:D:22:PHE:CE2	1:K:109:ASP:CB	2	2.68
(2,6)	1:D:22:PHE:CE2	1:L:109:ASP:CB	2	2.68
(2,6)	1:D:22:PHE:CE2	1:O:109:ASP:CB	2	2.68
(2,6)	1:D:22:PHE:CE2	1:I:109:ASP:CB	2	2.68
(2,6)	1:C:22:PHE:CE2	1:M:109:ASP:CB	2	2.68
(2,6)	1:C:22:PHE:CE2	1:N:109:ASP:CB	2	2.68
(2,6)	1:C:22:PHE:CE2	1:J:109:ASP:CB	2	2.68
(2,6)	1:C:22:PHE:CE2	1:P:109:ASP:CB	2	2.68
(2,6)	1:C:22:PHE:CE2	1:K:109:ASP:CB	2	2.68
(2,6)	1:C:22:PHE:CE2	1:L:109:ASP:CB	2	2.68
(2,6)	1:C:22:PHE:CE2	1:O:109:ASP:CB	2	2.68
(2,6)	1:C:22:PHE:CE2	1:I:109:ASP:CB	2	2.68
(2,6)	1:H:22:PHE:CE2	1:M:109:ASP:CB	1	2.67
(2,6)	1:H:22:PHE:CE2	1:N:109:ASP:CB	1	2.67
(2,6)	1:H:22:PHE:CE2	1:J:109:ASP:CB	1	2.67
(2,6)	1:H:22:PHE:CE2	1:P:109:ASP:CB	1	2.67
(2,6)	1:H:22:PHE:CE2	1:K:109:ASP:CB	1	2.67
(2,6)	1:H:22:PHE:CE2	1:L:109:ASP:CB	1	2.67
(2,6)	1:H:22:PHE:CE2	1:O:109:ASP:CB	1	2.67
(2,6)	1:H:22:PHE:CE2	1:I:109:ASP:CB	1	2.67
(2,6)	1:F:22:PHE:CE2	1:M:109:ASP:CB	1	2.67
(2,6)	1:F:22:PHE:CE2	1:N:109:ASP:CB	1	2.67
(2,6)	1:F:22:PHE:CE2	1:J:109:ASP:CB	1	2.67
(2,6)	1:F:22:PHE:CE2	1:P:109:ASP:CB	1	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:F:22:PHE:CE2	1:K:109:ASP:CB	1	2.67
(2,6)	1:F:22:PHE:CE2	1:L:109:ASP:CB	1	2.67
(2,6)	1:F:22:PHE:CE2	1:O:109:ASP:CB	1	2.67
(2,6)	1:F:22:PHE:CE2	1:I:109:ASP:CB	1	2.67
(2,6)	1:E:22:PHE:CE2	1:M:109:ASP:CB	1	2.67
(2,6)	1:E:22:PHE:CE2	1:N:109:ASP:CB	1	2.67
(2,6)	1:E:22:PHE:CE2	1:J:109:ASP:CB	1	2.67
(2,6)	1:E:22:PHE:CE2	1:P:109:ASP:CB	1	2.67
(2,6)	1:E:22:PHE:CE2	1:K:109:ASP:CB	1	2.67
(2,6)	1:E:22:PHE:CE2	1:L:109:ASP:CB	1	2.67
(2,6)	1:E:22:PHE:CE2	1:O:109:ASP:CB	1	2.67
(2,6)	1:E:22:PHE:CE2	1:I:109:ASP:CB	1	2.67
(2,6)	1:B:22:PHE:CE2	1:M:109:ASP:CB	1	2.67
(2,6)	1:B:22:PHE:CE2	1:N:109:ASP:CB	1	2.67
(2,6)	1:B:22:PHE:CE2	1:J:109:ASP:CB	1	2.67
(2,6)	1:B:22:PHE:CE2	1:P:109:ASP:CB	1	2.67
(2,6)	1:B:22:PHE:CE2	1:K:109:ASP:CB	1	2.67
(2,6)	1:B:22:PHE:CE2	1:L:109:ASP:CB	1	2.67
(2,6)	1:B:22:PHE:CE2	1:O:109:ASP:CB	1	2.67
(2,6)	1:B:22:PHE:CE2	1:I:109:ASP:CB	1	2.67
(2,6)	1:G:22:PHE:CE2	1:M:109:ASP:CB	1	2.67
(2,6)	1:G:22:PHE:CE2	1:N:109:ASP:CB	1	2.67
(2,6)	1:G:22:PHE:CE2	1:J:109:ASP:CB	1	2.67
(2,6)	1:G:22:PHE:CE2	1:P:109:ASP:CB	1	2.67
(2,6)	1:G:22:PHE:CE2	1:K:109:ASP:CB	1	2.67
(2,6)	1:G:22:PHE:CE2	1:L:109:ASP:CB	1	2.67
(2,6)	1:G:22:PHE:CE2	1:O:109:ASP:CB	1	2.67
(2,6)	1:G:22:PHE:CE2	1:I:109:ASP:CB	1	2.67
(2,6)	1:A:22:PHE:CE2	1:M:109:ASP:CB	1	2.67
(2,6)	1:A:22:PHE:CE2	1:N:109:ASP:CB	1	2.67
(2,6)	1:A:22:PHE:CE2	1:J:109:ASP:CB	1	2.67
(2,6)	1:A:22:PHE:CE2	1:P:109:ASP:CB	1	2.67
(2,6)	1:A:22:PHE:CE2	1:K:109:ASP:CB	1	2.67
(2,6)	1:A:22:PHE:CE2	1:L:109:ASP:CB	1	2.67
(2,6)	1:A:22:PHE:CE2	1:O:109:ASP:CB	1	2.67
(2,6)	1:A:22:PHE:CE2	1:I:109:ASP:CB	1	2.67
(2,6)	1:D:22:PHE:CE2	1:M:109:ASP:CB	1	2.67
(2,6)	1:D:22:PHE:CE2	1:N:109:ASP:CB	1	2.67
(2,6)	1:D:22:PHE:CE2	1:J:109:ASP:CB	1	2.67
(2,6)	1:D:22:PHE:CE2	1:P:109:ASP:CB	1	2.67
(2,6)	1:D:22:PHE:CE2	1:K:109:ASP:CB	1	2.67
(2,6)	1:D:22:PHE:CE2	1:L:109:ASP:CB	1	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:D:22:PHE:CE2	1:O:109:ASP:CB	1	2.67
(2,6)	1:D:22:PHE:CE2	1:I:109:ASP:CB	1	2.67
(2,6)	1:C:22:PHE:CE2	1:M:109:ASP:CB	1	2.67
(2,6)	1:C:22:PHE:CE2	1:N:109:ASP:CB	1	2.67
(2,6)	1:C:22:PHE:CE2	1:J:109:ASP:CB	1	2.67
(2,6)	1:C:22:PHE:CE2	1:P:109:ASP:CB	1	2.67
(2,6)	1:C:22:PHE:CE2	1:K:109:ASP:CB	1	2.67
(2,6)	1:C:22:PHE:CE2	1:L:109:ASP:CB	1	2.67
(2,6)	1:C:22:PHE:CE2	1:O:109:ASP:CB	1	2.67
(2,6)	1:C:22:PHE:CE2	1:I:109:ASP:CB	1	2.67
(2,6)	1:H:22:PHE:CE2	1:M:109:ASP:CB	6	2.67
(2,6)	1:H:22:PHE:CE2	1:N:109:ASP:CB	6	2.67
(2,6)	1:H:22:PHE:CE2	1:J:109:ASP:CB	6	2.67
(2,6)	1:H:22:PHE:CE2	1:P:109:ASP:CB	6	2.67
(2,6)	1:H:22:PHE:CE2	1:K:109:ASP:CB	6	2.67
(2,6)	1:H:22:PHE:CE2	1:L:109:ASP:CB	6	2.67
(2,6)	1:H:22:PHE:CE2	1:O:109:ASP:CB	6	2.67
(2,6)	1:H:22:PHE:CE2	1:I:109:ASP:CB	6	2.67
(2,6)	1:F:22:PHE:CE2	1:M:109:ASP:CB	6	2.67
(2,6)	1:F:22:PHE:CE2	1:N:109:ASP:CB	6	2.67
(2,6)	1:F:22:PHE:CE2	1:J:109:ASP:CB	6	2.67
(2,6)	1:F:22:PHE:CE2	1:P:109:ASP:CB	6	2.67
(2,6)	1:F:22:PHE:CE2	1:K:109:ASP:CB	6	2.67
(2,6)	1:F:22:PHE:CE2	1:L:109:ASP:CB	6	2.67
(2,6)	1:F:22:PHE:CE2	1:O:109:ASP:CB	6	2.67
(2,6)	1:F:22:PHE:CE2	1:I:109:ASP:CB	6	2.67
(2,6)	1:E:22:PHE:CE2	1:M:109:ASP:CB	6	2.67
(2,6)	1:E:22:PHE:CE2	1:N:109:ASP:CB	6	2.67
(2,6)	1:E:22:PHE:CE2	1:J:109:ASP:CB	6	2.67
(2,6)	1:E:22:PHE:CE2	1:P:109:ASP:CB	6	2.67
(2,6)	1:E:22:PHE:CE2	1:K:109:ASP:CB	6	2.67
(2,6)	1:E:22:PHE:CE2	1:L:109:ASP:CB	6	2.67
(2,6)	1:E:22:PHE:CE2	1:O:109:ASP:CB	6	2.67
(2,6)	1:E:22:PHE:CE2	1:I:109:ASP:CB	6	2.67
(2,6)	1:B:22:PHE:CE2	1:M:109:ASP:CB	6	2.67
(2,6)	1:B:22:PHE:CE2	1:N:109:ASP:CB	6	2.67
(2,6)	1:B:22:PHE:CE2	1:J:109:ASP:CB	6	2.67
(2,6)	1:B:22:PHE:CE2	1:P:109:ASP:CB	6	2.67
(2,6)	1:B:22:PHE:CE2	1:K:109:ASP:CB	6	2.67
(2,6)	1:B:22:PHE:CE2	1:L:109:ASP:CB	6	2.67
(2,6)	1:B:22:PHE:CE2	1:O:109:ASP:CB	6	2.67
(2,6)	1:B:22:PHE:CE2	1:I:109:ASP:CB	6	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:G:22:PHE:CE2	1:M:109:ASP:CB	6	2.67
(2,6)	1:G:22:PHE:CE2	1:N:109:ASP:CB	6	2.67
(2,6)	1:G:22:PHE:CE2	1:J:109:ASP:CB	6	2.67
(2,6)	1:G:22:PHE:CE2	1:P:109:ASP:CB	6	2.67
(2,6)	1:G:22:PHE:CE2	1:K:109:ASP:CB	6	2.67
(2,6)	1:G:22:PHE:CE2	1:L:109:ASP:CB	6	2.67
(2,6)	1:G:22:PHE:CE2	1:O:109:ASP:CB	6	2.67
(2,6)	1:G:22:PHE:CE2	1:I:109:ASP:CB	6	2.67
(2,6)	1:A:22:PHE:CE2	1:M:109:ASP:CB	6	2.67
(2,6)	1:A:22:PHE:CE2	1:N:109:ASP:CB	6	2.67
(2,6)	1:A:22:PHE:CE2	1:J:109:ASP:CB	6	2.67
(2,6)	1:A:22:PHE:CE2	1:P:109:ASP:CB	6	2.67
(2,6)	1:A:22:PHE:CE2	1:K:109:ASP:CB	6	2.67
(2,6)	1:A:22:PHE:CE2	1:L:109:ASP:CB	6	2.67
(2,6)	1:A:22:PHE:CE2	1:O:109:ASP:CB	6	2.67
(2,6)	1:A:22:PHE:CE2	1:I:109:ASP:CB	6	2.67
(2,6)	1:D:22:PHE:CE2	1:M:109:ASP:CB	6	2.67
(2,6)	1:D:22:PHE:CE2	1:N:109:ASP:CB	6	2.67
(2,6)	1:D:22:PHE:CE2	1:J:109:ASP:CB	6	2.67
(2,6)	1:D:22:PHE:CE2	1:P:109:ASP:CB	6	2.67
(2,6)	1:D:22:PHE:CE2	1:K:109:ASP:CB	6	2.67
(2,6)	1:D:22:PHE:CE2	1:L:109:ASP:CB	6	2.67
(2,6)	1:D:22:PHE:CE2	1:O:109:ASP:CB	6	2.67
(2,6)	1:D:22:PHE:CE2	1:I:109:ASP:CB	6	2.67
(2,6)	1:C:22:PHE:CE2	1:M:109:ASP:CB	6	2.67
(2,6)	1:C:22:PHE:CE2	1:N:109:ASP:CB	6	2.67
(2,6)	1:C:22:PHE:CE2	1:J:109:ASP:CB	6	2.67
(2,6)	1:C:22:PHE:CE2	1:P:109:ASP:CB	6	2.67
(2,6)	1:C:22:PHE:CE2	1:K:109:ASP:CB	6	2.67
(2,6)	1:C:22:PHE:CE2	1:L:109:ASP:CB	6	2.67
(2,6)	1:C:22:PHE:CE2	1:O:109:ASP:CB	6	2.67
(2,6)	1:C:22:PHE:CE2	1:I:109:ASP:CB	6	2.67
(2,6)	1:H:22:PHE:CE2	1:M:109:ASP:CB	9	2.67
(2,6)	1:H:22:PHE:CE2	1:N:109:ASP:CB	9	2.67
(2,6)	1:H:22:PHE:CE2	1:J:109:ASP:CB	9	2.67
(2,6)	1:H:22:PHE:CE2	1:P:109:ASP:CB	9	2.67
(2,6)	1:H:22:PHE:CE2	1:K:109:ASP:CB	9	2.67
(2,6)	1:H:22:PHE:CE2	1:L:109:ASP:CB	9	2.67
(2,6)	1:H:22:PHE:CE2	1:O:109:ASP:CB	9	2.67
(2,6)	1:H:22:PHE:CE2	1:I:109:ASP:CB	9	2.67
(2,6)	1:F:22:PHE:CE2	1:M:109:ASP:CB	9	2.67
(2,6)	1:F:22:PHE:CE2	1:N:109:ASP:CB	9	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:F:22:PHE:CE2	1:J:109:ASP:CB	9	2.67
(2,6)	1:F:22:PHE:CE2	1:P:109:ASP:CB	9	2.67
(2,6)	1:F:22:PHE:CE2	1:K:109:ASP:CB	9	2.67
(2,6)	1:F:22:PHE:CE2	1:L:109:ASP:CB	9	2.67
(2,6)	1:F:22:PHE:CE2	1:O:109:ASP:CB	9	2.67
(2,6)	1:F:22:PHE:CE2	1:I:109:ASP:CB	9	2.67
(2,6)	1:E:22:PHE:CE2	1:M:109:ASP:CB	9	2.67
(2,6)	1:E:22:PHE:CE2	1:N:109:ASP:CB	9	2.67
(2,6)	1:E:22:PHE:CE2	1:J:109:ASP:CB	9	2.67
(2,6)	1:E:22:PHE:CE2	1:P:109:ASP:CB	9	2.67
(2,6)	1:E:22:PHE:CE2	1:K:109:ASP:CB	9	2.67
(2,6)	1:E:22:PHE:CE2	1:L:109:ASP:CB	9	2.67
(2,6)	1:E:22:PHE:CE2	1:O:109:ASP:CB	9	2.67
(2,6)	1:E:22:PHE:CE2	1:I:109:ASP:CB	9	2.67
(2,6)	1:B:22:PHE:CE2	1:M:109:ASP:CB	9	2.67
(2,6)	1:B:22:PHE:CE2	1:N:109:ASP:CB	9	2.67
(2,6)	1:B:22:PHE:CE2	1:J:109:ASP:CB	9	2.67
(2,6)	1:B:22:PHE:CE2	1:P:109:ASP:CB	9	2.67
(2,6)	1:B:22:PHE:CE2	1:K:109:ASP:CB	9	2.67
(2,6)	1:B:22:PHE:CE2	1:L:109:ASP:CB	9	2.67
(2,6)	1:B:22:PHE:CE2	1:O:109:ASP:CB	9	2.67
(2,6)	1:B:22:PHE:CE2	1:I:109:ASP:CB	9	2.67
(2,6)	1:G:22:PHE:CE2	1:M:109:ASP:CB	9	2.67
(2,6)	1:G:22:PHE:CE2	1:N:109:ASP:CB	9	2.67
(2,6)	1:G:22:PHE:CE2	1:J:109:ASP:CB	9	2.67
(2,6)	1:G:22:PHE:CE2	1:P:109:ASP:CB	9	2.67
(2,6)	1:G:22:PHE:CE2	1:K:109:ASP:CB	9	2.67
(2,6)	1:G:22:PHE:CE2	1:L:109:ASP:CB	9	2.67
(2,6)	1:G:22:PHE:CE2	1:O:109:ASP:CB	9	2.67
(2,6)	1:G:22:PHE:CE2	1:I:109:ASP:CB	9	2.67
(2,6)	1:A:22:PHE:CE2	1:M:109:ASP:CB	9	2.67
(2,6)	1:A:22:PHE:CE2	1:N:109:ASP:CB	9	2.67
(2,6)	1:A:22:PHE:CE2	1:J:109:ASP:CB	9	2.67
(2,6)	1:A:22:PHE:CE2	1:P:109:ASP:CB	9	2.67
(2,6)	1:A:22:PHE:CE2	1:K:109:ASP:CB	9	2.67
(2,6)	1:A:22:PHE:CE2	1:L:109:ASP:CB	9	2.67
(2,6)	1:A:22:PHE:CE2	1:O:109:ASP:CB	9	2.67
(2,6)	1:A:22:PHE:CE2	1:I:109:ASP:CB	9	2.67
(2,6)	1:D:22:PHE:CE2	1:M:109:ASP:CB	9	2.67
(2,6)	1:D:22:PHE:CE2	1:N:109:ASP:CB	9	2.67
(2,6)	1:D:22:PHE:CE2	1:J:109:ASP:CB	9	2.67
(2,6)	1:D:22:PHE:CE2	1:P:109:ASP:CB	9	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:D:22:PHE:CE2	1:K:109:ASP:CB	9	2.67
(2,6)	1:D:22:PHE:CE2	1:L:109:ASP:CB	9	2.67
(2,6)	1:D:22:PHE:CE2	1:O:109:ASP:CB	9	2.67
(2,6)	1:D:22:PHE:CE2	1:I:109:ASP:CB	9	2.67
(2,6)	1:C:22:PHE:CE2	1:M:109:ASP:CB	9	2.67
(2,6)	1:C:22:PHE:CE2	1:N:109:ASP:CB	9	2.67
(2,6)	1:C:22:PHE:CE2	1:J:109:ASP:CB	9	2.67
(2,6)	1:C:22:PHE:CE2	1:P:109:ASP:CB	9	2.67
(2,6)	1:C:22:PHE:CE2	1:K:109:ASP:CB	9	2.67
(2,6)	1:C:22:PHE:CE2	1:L:109:ASP:CB	9	2.67
(2,6)	1:C:22:PHE:CE2	1:O:109:ASP:CB	9	2.67
(2,6)	1:C:22:PHE:CE2	1:I:109:ASP:CB	9	2.67
(2,1)	1:H:9:ASP:CB	1:N:122:PHE:CE2	6	2.67
(2,1)	1:H:9:ASP:CB	1:I:122:PHE:CE2	6	2.67
(2,1)	1:H:9:ASP:CB	1:P:122:PHE:CE2	6	2.67
(2,1)	1:H:9:ASP:CB	1:M:122:PHE:CE2	6	2.67
(2,1)	1:H:9:ASP:CB	1:L:122:PHE:CE2	6	2.67
(2,1)	1:H:9:ASP:CB	1:K:122:PHE:CE2	6	2.67
(2,1)	1:H:9:ASP:CB	1:J:122:PHE:CE2	6	2.67
(2,1)	1:H:9:ASP:CB	1:O:122:PHE:CE2	6	2.67
(2,1)	1:A:9:ASP:CB	1:N:122:PHE:CE2	6	2.67
(2,1)	1:A:9:ASP:CB	1:I:122:PHE:CE2	6	2.67
(2,1)	1:A:9:ASP:CB	1:P:122:PHE:CE2	6	2.67
(2,1)	1:A:9:ASP:CB	1:M:122:PHE:CE2	6	2.67
(2,1)	1:A:9:ASP:CB	1:L:122:PHE:CE2	6	2.67
(2,1)	1:A:9:ASP:CB	1:K:122:PHE:CE2	6	2.67
(2,1)	1:A:9:ASP:CB	1:J:122:PHE:CE2	6	2.67
(2,1)	1:A:9:ASP:CB	1:O:122:PHE:CE2	6	2.67
(2,1)	1:F:9:ASP:CB	1:N:122:PHE:CE2	6	2.67
(2,1)	1:F:9:ASP:CB	1:I:122:PHE:CE2	6	2.67
(2,1)	1:F:9:ASP:CB	1:P:122:PHE:CE2	6	2.67
(2,1)	1:F:9:ASP:CB	1:M:122:PHE:CE2	6	2.67
(2,1)	1:F:9:ASP:CB	1:L:122:PHE:CE2	6	2.67
(2,1)	1:F:9:ASP:CB	1:K:122:PHE:CE2	6	2.67
(2,1)	1:F:9:ASP:CB	1:J:122:PHE:CE2	6	2.67
(2,1)	1:F:9:ASP:CB	1:O:122:PHE:CE2	6	2.67
(2,1)	1:E:9:ASP:CB	1:N:122:PHE:CE2	6	2.67
(2,1)	1:E:9:ASP:CB	1:I:122:PHE:CE2	6	2.67
(2,1)	1:E:9:ASP:CB	1:P:122:PHE:CE2	6	2.67
(2,1)	1:E:9:ASP:CB	1:M:122:PHE:CE2	6	2.67
(2,1)	1:E:9:ASP:CB	1:L:122:PHE:CE2	6	2.67
(2,1)	1:E:9:ASP:CB	1:K:122:PHE:CE2	6	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:E:9:ASP:CB	1:J:122:PHE:CE2	6	2.67
(2,1)	1:E:9:ASP:CB	1:O:122:PHE:CE2	6	2.67
(2,1)	1:B:9:ASP:CB	1:N:122:PHE:CE2	6	2.67
(2,1)	1:B:9:ASP:CB	1:I:122:PHE:CE2	6	2.67
(2,1)	1:B:9:ASP:CB	1:P:122:PHE:CE2	6	2.67
(2,1)	1:B:9:ASP:CB	1:M:122:PHE:CE2	6	2.67
(2,1)	1:B:9:ASP:CB	1:L:122:PHE:CE2	6	2.67
(2,1)	1:B:9:ASP:CB	1:K:122:PHE:CE2	6	2.67
(2,1)	1:B:9:ASP:CB	1:J:122:PHE:CE2	6	2.67
(2,1)	1:B:9:ASP:CB	1:O:122:PHE:CE2	6	2.67
(2,1)	1:G:9:ASP:CB	1:N:122:PHE:CE2	6	2.67
(2,1)	1:G:9:ASP:CB	1:I:122:PHE:CE2	6	2.67
(2,1)	1:G:9:ASP:CB	1:P:122:PHE:CE2	6	2.67
(2,1)	1:G:9:ASP:CB	1:M:122:PHE:CE2	6	2.67
(2,1)	1:G:9:ASP:CB	1:L:122:PHE:CE2	6	2.67
(2,1)	1:G:9:ASP:CB	1:K:122:PHE:CE2	6	2.67
(2,1)	1:G:9:ASP:CB	1:J:122:PHE:CE2	6	2.67
(2,1)	1:G:9:ASP:CB	1:O:122:PHE:CE2	6	2.67
(2,1)	1:D:9:ASP:CB	1:N:122:PHE:CE2	6	2.67
(2,1)	1:D:9:ASP:CB	1:I:122:PHE:CE2	6	2.67
(2,1)	1:D:9:ASP:CB	1:P:122:PHE:CE2	6	2.67
(2,1)	1:D:9:ASP:CB	1:M:122:PHE:CE2	6	2.67
(2,1)	1:D:9:ASP:CB	1:L:122:PHE:CE2	6	2.67
(2,1)	1:D:9:ASP:CB	1:K:122:PHE:CE2	6	2.67
(2,1)	1:D:9:ASP:CB	1:J:122:PHE:CE2	6	2.67
(2,1)	1:D:9:ASP:CB	1:O:122:PHE:CE2	6	2.67
(2,1)	1:C:9:ASP:CB	1:N:122:PHE:CE2	6	2.67
(2,1)	1:C:9:ASP:CB	1:I:122:PHE:CE2	6	2.67
(2,1)	1:C:9:ASP:CB	1:P:122:PHE:CE2	6	2.67
(2,1)	1:C:9:ASP:CB	1:M:122:PHE:CE2	6	2.67
(2,1)	1:C:9:ASP:CB	1:L:122:PHE:CE2	6	2.67
(2,1)	1:C:9:ASP:CB	1:K:122:PHE:CE2	6	2.67
(2,1)	1:C:9:ASP:CB	1:J:122:PHE:CE2	6	2.67
(2,1)	1:C:9:ASP:CB	1:O:122:PHE:CE2	6	2.67
(2,1)	1:H:9:ASP:CB	1:N:122:PHE:CE2	3	2.61
(2,1)	1:H:9:ASP:CB	1:I:122:PHE:CE2	3	2.61
(2,1)	1:H:9:ASP:CB	1:P:122:PHE:CE2	3	2.61
(2,1)	1:H:9:ASP:CB	1:M:122:PHE:CE2	3	2.61
(2,1)	1:H:9:ASP:CB	1:L:122:PHE:CE2	3	2.61
(2,1)	1:H:9:ASP:CB	1:K:122:PHE:CE2	3	2.61
(2,1)	1:H:9:ASP:CB	1:J:122:PHE:CE2	3	2.61
(2,1)	1:H:9:ASP:CB	1:O:122:PHE:CE2	3	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:A:9:ASP:CB	1:N:122:PHE:CE2	3	2.61
(2,1)	1:A:9:ASP:CB	1:I:122:PHE:CE2	3	2.61
(2,1)	1:A:9:ASP:CB	1:P:122:PHE:CE2	3	2.61
(2,1)	1:A:9:ASP:CB	1:M:122:PHE:CE2	3	2.61
(2,1)	1:A:9:ASP:CB	1:L:122:PHE:CE2	3	2.61
(2,1)	1:A:9:ASP:CB	1:K:122:PHE:CE2	3	2.61
(2,1)	1:A:9:ASP:CB	1:J:122:PHE:CE2	3	2.61
(2,1)	1:A:9:ASP:CB	1:O:122:PHE:CE2	3	2.61
(2,1)	1:F:9:ASP:CB	1:N:122:PHE:CE2	3	2.61
(2,1)	1:F:9:ASP:CB	1:I:122:PHE:CE2	3	2.61
(2,1)	1:F:9:ASP:CB	1:P:122:PHE:CE2	3	2.61
(2,1)	1:F:9:ASP:CB	1:M:122:PHE:CE2	3	2.61
(2,1)	1:F:9:ASP:CB	1:L:122:PHE:CE2	3	2.61
(2,1)	1:F:9:ASP:CB	1:K:122:PHE:CE2	3	2.61
(2,1)	1:F:9:ASP:CB	1:J:122:PHE:CE2	3	2.61
(2,1)	1:F:9:ASP:CB	1:O:122:PHE:CE2	3	2.61
(2,1)	1:E:9:ASP:CB	1:N:122:PHE:CE2	3	2.61
(2,1)	1:E:9:ASP:CB	1:I:122:PHE:CE2	3	2.61
(2,1)	1:E:9:ASP:CB	1:P:122:PHE:CE2	3	2.61
(2,1)	1:E:9:ASP:CB	1:M:122:PHE:CE2	3	2.61
(2,1)	1:E:9:ASP:CB	1:L:122:PHE:CE2	3	2.61
(2,1)	1:E:9:ASP:CB	1:K:122:PHE:CE2	3	2.61
(2,1)	1:E:9:ASP:CB	1:J:122:PHE:CE2	3	2.61
(2,1)	1:E:9:ASP:CB	1:O:122:PHE:CE2	3	2.61
(2,1)	1:B:9:ASP:CB	1:N:122:PHE:CE2	3	2.61
(2,1)	1:B:9:ASP:CB	1:I:122:PHE:CE2	3	2.61
(2,1)	1:B:9:ASP:CB	1:P:122:PHE:CE2	3	2.61
(2,1)	1:B:9:ASP:CB	1:M:122:PHE:CE2	3	2.61
(2,1)	1:B:9:ASP:CB	1:L:122:PHE:CE2	3	2.61
(2,1)	1:B:9:ASP:CB	1:K:122:PHE:CE2	3	2.61
(2,1)	1:B:9:ASP:CB	1:J:122:PHE:CE2	3	2.61
(2,1)	1:B:9:ASP:CB	1:O:122:PHE:CE2	3	2.61
(2,1)	1:G:9:ASP:CB	1:N:122:PHE:CE2	3	2.61
(2,1)	1:G:9:ASP:CB	1:I:122:PHE:CE2	3	2.61
(2,1)	1:G:9:ASP:CB	1:P:122:PHE:CE2	3	2.61
(2,1)	1:G:9:ASP:CB	1:M:122:PHE:CE2	3	2.61
(2,1)	1:G:9:ASP:CB	1:L:122:PHE:CE2	3	2.61
(2,1)	1:G:9:ASP:CB	1:K:122:PHE:CE2	3	2.61
(2,1)	1:G:9:ASP:CB	1:J:122:PHE:CE2	3	2.61
(2,1)	1:G:9:ASP:CB	1:O:122:PHE:CE2	3	2.61
(2,1)	1:D:9:ASP:CB	1:N:122:PHE:CE2	3	2.61
(2,1)	1:D:9:ASP:CB	1:I:122:PHE:CE2	3	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:D:9:ASP:CB	1:P:122:PHE:CE2	3	2.61
(2,1)	1:D:9:ASP:CB	1:M:122:PHE:CE2	3	2.61
(2,1)	1:D:9:ASP:CB	1:L:122:PHE:CE2	3	2.61
(2,1)	1:D:9:ASP:CB	1:K:122:PHE:CE2	3	2.61
(2,1)	1:D:9:ASP:CB	1:J:122:PHE:CE2	3	2.61
(2,1)	1:D:9:ASP:CB	1:O:122:PHE:CE2	3	2.61
(2,1)	1:C:9:ASP:CB	1:N:122:PHE:CE2	3	2.61
(2,1)	1:C:9:ASP:CB	1:I:122:PHE:CE2	3	2.61
(2,1)	1:C:9:ASP:CB	1:P:122:PHE:CE2	3	2.61
(2,1)	1:C:9:ASP:CB	1:M:122:PHE:CE2	3	2.61
(2,1)	1:C:9:ASP:CB	1:L:122:PHE:CE2	3	2.61
(2,1)	1:C:9:ASP:CB	1:K:122:PHE:CE2	3	2.61
(2,1)	1:C:9:ASP:CB	1:J:122:PHE:CE2	3	2.61
(2,1)	1:C:9:ASP:CB	1:O:122:PHE:CE2	3	2.61
(2,1)	1:H:9:ASP:CB	1:N:122:PHE:CE2	9	2.61
(2,1)	1:H:9:ASP:CB	1:I:122:PHE:CE2	9	2.61
(2,1)	1:H:9:ASP:CB	1:P:122:PHE:CE2	9	2.61
(2,1)	1:H:9:ASP:CB	1:M:122:PHE:CE2	9	2.61
(2,1)	1:H:9:ASP:CB	1:L:122:PHE:CE2	9	2.61
(2,1)	1:H:9:ASP:CB	1:K:122:PHE:CE2	9	2.61
(2,1)	1:H:9:ASP:CB	1:J:122:PHE:CE2	9	2.61
(2,1)	1:H:9:ASP:CB	1:O:122:PHE:CE2	9	2.61
(2,1)	1:A:9:ASP:CB	1:N:122:PHE:CE2	9	2.61
(2,1)	1:A:9:ASP:CB	1:I:122:PHE:CE2	9	2.61
(2,1)	1:A:9:ASP:CB	1:P:122:PHE:CE2	9	2.61
(2,1)	1:A:9:ASP:CB	1:M:122:PHE:CE2	9	2.61
(2,1)	1:A:9:ASP:CB	1:L:122:PHE:CE2	9	2.61
(2,1)	1:A:9:ASP:CB	1:K:122:PHE:CE2	9	2.61
(2,1)	1:A:9:ASP:CB	1:J:122:PHE:CE2	9	2.61
(2,1)	1:A:9:ASP:CB	1:O:122:PHE:CE2	9	2.61
(2,1)	1:F:9:ASP:CB	1:N:122:PHE:CE2	9	2.61
(2,1)	1:F:9:ASP:CB	1:I:122:PHE:CE2	9	2.61
(2,1)	1:F:9:ASP:CB	1:P:122:PHE:CE2	9	2.61
(2,1)	1:F:9:ASP:CB	1:M:122:PHE:CE2	9	2.61
(2,1)	1:F:9:ASP:CB	1:L:122:PHE:CE2	9	2.61
(2,1)	1:F:9:ASP:CB	1:K:122:PHE:CE2	9	2.61
(2,1)	1:F:9:ASP:CB	1:J:122:PHE:CE2	9	2.61
(2,1)	1:F:9:ASP:CB	1:O:122:PHE:CE2	9	2.61
(2,1)	1:E:9:ASP:CB	1:N:122:PHE:CE2	9	2.61
(2,1)	1:E:9:ASP:CB	1:I:122:PHE:CE2	9	2.61
(2,1)	1:E:9:ASP:CB	1:P:122:PHE:CE2	9	2.61
(2,1)	1:E:9:ASP:CB	1:M:122:PHE:CE2	9	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:E:9:ASP:CB	1:L:122:PHE:CE2	9	2.61
(2,1)	1:E:9:ASP:CB	1:K:122:PHE:CE2	9	2.61
(2,1)	1:E:9:ASP:CB	1:J:122:PHE:CE2	9	2.61
(2,1)	1:E:9:ASP:CB	1:O:122:PHE:CE2	9	2.61
(2,1)	1:B:9:ASP:CB	1:N:122:PHE:CE2	9	2.61
(2,1)	1:B:9:ASP:CB	1:I:122:PHE:CE2	9	2.61
(2,1)	1:B:9:ASP:CB	1:P:122:PHE:CE2	9	2.61
(2,1)	1:B:9:ASP:CB	1:M:122:PHE:CE2	9	2.61
(2,1)	1:B:9:ASP:CB	1:L:122:PHE:CE2	9	2.61
(2,1)	1:B:9:ASP:CB	1:K:122:PHE:CE2	9	2.61
(2,1)	1:B:9:ASP:CB	1:J:122:PHE:CE2	9	2.61
(2,1)	1:B:9:ASP:CB	1:O:122:PHE:CE2	9	2.61
(2,1)	1:G:9:ASP:CB	1:N:122:PHE:CE2	9	2.61
(2,1)	1:G:9:ASP:CB	1:I:122:PHE:CE2	9	2.61
(2,1)	1:G:9:ASP:CB	1:P:122:PHE:CE2	9	2.61
(2,1)	1:G:9:ASP:CB	1:M:122:PHE:CE2	9	2.61
(2,1)	1:G:9:ASP:CB	1:L:122:PHE:CE2	9	2.61
(2,1)	1:G:9:ASP:CB	1:K:122:PHE:CE2	9	2.61
(2,1)	1:G:9:ASP:CB	1:J:122:PHE:CE2	9	2.61
(2,1)	1:G:9:ASP:CB	1:O:122:PHE:CE2	9	2.61
(2,1)	1:D:9:ASP:CB	1:N:122:PHE:CE2	9	2.61
(2,1)	1:D:9:ASP:CB	1:I:122:PHE:CE2	9	2.61
(2,1)	1:D:9:ASP:CB	1:P:122:PHE:CE2	9	2.61
(2,1)	1:D:9:ASP:CB	1:M:122:PHE:CE2	9	2.61
(2,1)	1:D:9:ASP:CB	1:L:122:PHE:CE2	9	2.61
(2,1)	1:D:9:ASP:CB	1:K:122:PHE:CE2	9	2.61
(2,1)	1:D:9:ASP:CB	1:J:122:PHE:CE2	9	2.61
(2,1)	1:D:9:ASP:CB	1:O:122:PHE:CE2	9	2.61
(2,1)	1:C:9:ASP:CB	1:N:122:PHE:CE2	9	2.61
(2,1)	1:C:9:ASP:CB	1:I:122:PHE:CE2	9	2.61
(2,1)	1:C:9:ASP:CB	1:P:122:PHE:CE2	9	2.61
(2,1)	1:C:9:ASP:CB	1:M:122:PHE:CE2	9	2.61
(2,1)	1:C:9:ASP:CB	1:L:122:PHE:CE2	9	2.61
(2,1)	1:C:9:ASP:CB	1:K:122:PHE:CE2	9	2.61
(2,1)	1:C:9:ASP:CB	1:J:122:PHE:CE2	9	2.61
(2,1)	1:C:9:ASP:CB	1:O:122:PHE:CE2	9	2.61
(2,6)	1:H:22:PHE:CE2	1:M:109:ASP:CB	10	2.57
(2,6)	1:H:22:PHE:CE2	1:N:109:ASP:CB	10	2.57
(2,6)	1:H:22:PHE:CE2	1:J:109:ASP:CB	10	2.57
(2,6)	1:H:22:PHE:CE2	1:P:109:ASP:CB	10	2.57
(2,6)	1:H:22:PHE:CE2	1:K:109:ASP:CB	10	2.57
(2,6)	1:H:22:PHE:CE2	1:L:109:ASP:CB	10	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:H:22:PHE:CE2	1:O:109:ASP:CB	10	2.57
(2,6)	1:H:22:PHE:CE2	1:I:109:ASP:CB	10	2.57
(2,6)	1:F:22:PHE:CE2	1:M:109:ASP:CB	10	2.57
(2,6)	1:F:22:PHE:CE2	1:N:109:ASP:CB	10	2.57
(2,6)	1:F:22:PHE:CE2	1:J:109:ASP:CB	10	2.57
(2,6)	1:F:22:PHE:CE2	1:P:109:ASP:CB	10	2.57
(2,6)	1:F:22:PHE:CE2	1:K:109:ASP:CB	10	2.57
(2,6)	1:F:22:PHE:CE2	1:L:109:ASP:CB	10	2.57
(2,6)	1:F:22:PHE:CE2	1:O:109:ASP:CB	10	2.57
(2,6)	1:F:22:PHE:CE2	1:I:109:ASP:CB	10	2.57
(2,6)	1:E:22:PHE:CE2	1:M:109:ASP:CB	10	2.57
(2,6)	1:E:22:PHE:CE2	1:N:109:ASP:CB	10	2.57
(2,6)	1:E:22:PHE:CE2	1:J:109:ASP:CB	10	2.57
(2,6)	1:E:22:PHE:CE2	1:P:109:ASP:CB	10	2.57
(2,6)	1:E:22:PHE:CE2	1:K:109:ASP:CB	10	2.57
(2,6)	1:E:22:PHE:CE2	1:L:109:ASP:CB	10	2.57
(2,6)	1:E:22:PHE:CE2	1:O:109:ASP:CB	10	2.57
(2,6)	1:E:22:PHE:CE2	1:I:109:ASP:CB	10	2.57
(2,6)	1:B:22:PHE:CE2	1:M:109:ASP:CB	10	2.57
(2,6)	1:B:22:PHE:CE2	1:N:109:ASP:CB	10	2.57
(2,6)	1:B:22:PHE:CE2	1:J:109:ASP:CB	10	2.57
(2,6)	1:B:22:PHE:CE2	1:P:109:ASP:CB	10	2.57
(2,6)	1:B:22:PHE:CE2	1:K:109:ASP:CB	10	2.57
(2,6)	1:B:22:PHE:CE2	1:L:109:ASP:CB	10	2.57
(2,6)	1:B:22:PHE:CE2	1:O:109:ASP:CB	10	2.57
(2,6)	1:B:22:PHE:CE2	1:I:109:ASP:CB	10	2.57
(2,6)	1:G:22:PHE:CE2	1:M:109:ASP:CB	10	2.57
(2,6)	1:G:22:PHE:CE2	1:N:109:ASP:CB	10	2.57
(2,6)	1:G:22:PHE:CE2	1:J:109:ASP:CB	10	2.57
(2,6)	1:G:22:PHE:CE2	1:P:109:ASP:CB	10	2.57
(2,6)	1:G:22:PHE:CE2	1:K:109:ASP:CB	10	2.57
(2,6)	1:G:22:PHE:CE2	1:L:109:ASP:CB	10	2.57
(2,6)	1:G:22:PHE:CE2	1:O:109:ASP:CB	10	2.57
(2,6)	1:G:22:PHE:CE2	1:I:109:ASP:CB	10	2.57
(2,6)	1:A:22:PHE:CE2	1:M:109:ASP:CB	10	2.57
(2,6)	1:A:22:PHE:CE2	1:N:109:ASP:CB	10	2.57
(2,6)	1:A:22:PHE:CE2	1:J:109:ASP:CB	10	2.57
(2,6)	1:A:22:PHE:CE2	1:P:109:ASP:CB	10	2.57
(2,6)	1:A:22:PHE:CE2	1:K:109:ASP:CB	10	2.57
(2,6)	1:A:22:PHE:CE2	1:L:109:ASP:CB	10	2.57
(2,6)	1:A:22:PHE:CE2	1:O:109:ASP:CB	10	2.57
(2,6)	1:A:22:PHE:CE2	1:I:109:ASP:CB	10	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:D:22:PHE:CE2	1:M:109:ASP:CB	10	2.57
(2,6)	1:D:22:PHE:CE2	1:N:109:ASP:CB	10	2.57
(2,6)	1:D:22:PHE:CE2	1:J:109:ASP:CB	10	2.57
(2,6)	1:D:22:PHE:CE2	1:P:109:ASP:CB	10	2.57
(2,6)	1:D:22:PHE:CE2	1:K:109:ASP:CB	10	2.57
(2,6)	1:D:22:PHE:CE2	1:L:109:ASP:CB	10	2.57
(2,6)	1:D:22:PHE:CE2	1:O:109:ASP:CB	10	2.57
(2,6)	1:D:22:PHE:CE2	1:I:109:ASP:CB	10	2.57
(2,6)	1:C:22:PHE:CE2	1:M:109:ASP:CB	10	2.57
(2,6)	1:C:22:PHE:CE2	1:N:109:ASP:CB	10	2.57
(2,6)	1:C:22:PHE:CE2	1:J:109:ASP:CB	10	2.57
(2,6)	1:C:22:PHE:CE2	1:P:109:ASP:CB	10	2.57
(2,6)	1:C:22:PHE:CE2	1:K:109:ASP:CB	10	2.57
(2,6)	1:C:22:PHE:CE2	1:L:109:ASP:CB	10	2.57
(2,6)	1:C:22:PHE:CE2	1:O:109:ASP:CB	10	2.57
(2,6)	1:C:22:PHE:CE2	1:I:109:ASP:CB	10	2.57
(2,1)	1:H:9:ASP:CB	1:N:122:PHE:CE2	8	2.54
(2,1)	1:H:9:ASP:CB	1:I:122:PHE:CE2	8	2.54
(2,1)	1:H:9:ASP:CB	1:P:122:PHE:CE2	8	2.54
(2,1)	1:H:9:ASP:CB	1:M:122:PHE:CE2	8	2.54
(2,1)	1:H:9:ASP:CB	1:L:122:PHE:CE2	8	2.54
(2,1)	1:H:9:ASP:CB	1:K:122:PHE:CE2	8	2.54
(2,1)	1:H:9:ASP:CB	1:J:122:PHE:CE2	8	2.54
(2,1)	1:H:9:ASP:CB	1:O:122:PHE:CE2	8	2.54
(2,1)	1:A:9:ASP:CB	1:N:122:PHE:CE2	8	2.54
(2,1)	1:A:9:ASP:CB	1:I:122:PHE:CE2	8	2.54
(2,1)	1:A:9:ASP:CB	1:P:122:PHE:CE2	8	2.54
(2,1)	1:A:9:ASP:CB	1:M:122:PHE:CE2	8	2.54
(2,1)	1:A:9:ASP:CB	1:L:122:PHE:CE2	8	2.54
(2,1)	1:A:9:ASP:CB	1:K:122:PHE:CE2	8	2.54
(2,1)	1:A:9:ASP:CB	1:J:122:PHE:CE2	8	2.54
(2,1)	1:A:9:ASP:CB	1:O:122:PHE:CE2	8	2.54
(2,1)	1:F:9:ASP:CB	1:N:122:PHE:CE2	8	2.54
(2,1)	1:F:9:ASP:CB	1:I:122:PHE:CE2	8	2.54
(2,1)	1:F:9:ASP:CB	1:P:122:PHE:CE2	8	2.54
(2,1)	1:F:9:ASP:CB	1:M:122:PHE:CE2	8	2.54
(2,1)	1:F:9:ASP:CB	1:L:122:PHE:CE2	8	2.54
(2,1)	1:F:9:ASP:CB	1:K:122:PHE:CE2	8	2.54
(2,1)	1:F:9:ASP:CB	1:J:122:PHE:CE2	8	2.54
(2,1)	1:F:9:ASP:CB	1:O:122:PHE:CE2	8	2.54
(2,1)	1:E:9:ASP:CB	1:N:122:PHE:CE2	8	2.54
(2,1)	1:E:9:ASP:CB	1:I:122:PHE:CE2	8	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:E:9:ASP:CB	1:P:122:PHE:CE2	8	2.54
(2,1)	1:E:9:ASP:CB	1:M:122:PHE:CE2	8	2.54
(2,1)	1:E:9:ASP:CB	1:L:122:PHE:CE2	8	2.54
(2,1)	1:E:9:ASP:CB	1:K:122:PHE:CE2	8	2.54
(2,1)	1:E:9:ASP:CB	1:J:122:PHE:CE2	8	2.54
(2,1)	1:E:9:ASP:CB	1:O:122:PHE:CE2	8	2.54
(2,1)	1:B:9:ASP:CB	1:N:122:PHE:CE2	8	2.54
(2,1)	1:B:9:ASP:CB	1:I:122:PHE:CE2	8	2.54
(2,1)	1:B:9:ASP:CB	1:P:122:PHE:CE2	8	2.54
(2,1)	1:B:9:ASP:CB	1:M:122:PHE:CE2	8	2.54
(2,1)	1:B:9:ASP:CB	1:L:122:PHE:CE2	8	2.54
(2,1)	1:B:9:ASP:CB	1:K:122:PHE:CE2	8	2.54
(2,1)	1:B:9:ASP:CB	1:J:122:PHE:CE2	8	2.54
(2,1)	1:B:9:ASP:CB	1:O:122:PHE:CE2	8	2.54
(2,1)	1:G:9:ASP:CB	1:N:122:PHE:CE2	8	2.54
(2,1)	1:G:9:ASP:CB	1:I:122:PHE:CE2	8	2.54
(2,1)	1:G:9:ASP:CB	1:P:122:PHE:CE2	8	2.54
(2,1)	1:G:9:ASP:CB	1:M:122:PHE:CE2	8	2.54
(2,1)	1:G:9:ASP:CB	1:L:122:PHE:CE2	8	2.54
(2,1)	1:G:9:ASP:CB	1:K:122:PHE:CE2	8	2.54
(2,1)	1:G:9:ASP:CB	1:J:122:PHE:CE2	8	2.54
(2,1)	1:G:9:ASP:CB	1:O:122:PHE:CE2	8	2.54
(2,1)	1:D:9:ASP:CB	1:N:122:PHE:CE2	8	2.54
(2,1)	1:D:9:ASP:CB	1:I:122:PHE:CE2	8	2.54
(2,1)	1:D:9:ASP:CB	1:P:122:PHE:CE2	8	2.54
(2,1)	1:D:9:ASP:CB	1:M:122:PHE:CE2	8	2.54
(2,1)	1:D:9:ASP:CB	1:L:122:PHE:CE2	8	2.54
(2,1)	1:D:9:ASP:CB	1:K:122:PHE:CE2	8	2.54
(2,1)	1:D:9:ASP:CB	1:J:122:PHE:CE2	8	2.54
(2,1)	1:D:9:ASP:CB	1:O:122:PHE:CE2	8	2.54
(2,1)	1:C:9:ASP:CB	1:N:122:PHE:CE2	8	2.54
(2,1)	1:C:9:ASP:CB	1:I:122:PHE:CE2	8	2.54
(2,1)	1:C:9:ASP:CB	1:P:122:PHE:CE2	8	2.54
(2,1)	1:C:9:ASP:CB	1:M:122:PHE:CE2	8	2.54
(2,1)	1:C:9:ASP:CB	1:L:122:PHE:CE2	8	2.54
(2,1)	1:C:9:ASP:CB	1:K:122:PHE:CE2	8	2.54
(2,1)	1:C:9:ASP:CB	1:J:122:PHE:CE2	8	2.54
(2,1)	1:C:9:ASP:CB	1:O:122:PHE:CE2	8	2.54
(2,1)	1:H:9:ASP:CB	1:N:122:PHE:CE2	1	2.5
(2,1)	1:H:9:ASP:CB	1:I:122:PHE:CE2	1	2.5
(2,1)	1:H:9:ASP:CB	1:P:122:PHE:CE2	1	2.5
(2,1)	1:H:9:ASP:CB	1:M:122:PHE:CE2	1	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:H:9:ASP:CB	1:L:122:PHE:CE2	1	2.5
(2,1)	1:H:9:ASP:CB	1:K:122:PHE:CE2	1	2.5
(2,1)	1:H:9:ASP:CB	1:J:122:PHE:CE2	1	2.5
(2,1)	1:H:9:ASP:CB	1:O:122:PHE:CE2	1	2.5
(2,1)	1:A:9:ASP:CB	1:N:122:PHE:CE2	1	2.5
(2,1)	1:A:9:ASP:CB	1:I:122:PHE:CE2	1	2.5
(2,1)	1:A:9:ASP:CB	1:P:122:PHE:CE2	1	2.5
(2,1)	1:A:9:ASP:CB	1:M:122:PHE:CE2	1	2.5
(2,1)	1:A:9:ASP:CB	1:L:122:PHE:CE2	1	2.5
(2,1)	1:A:9:ASP:CB	1:K:122:PHE:CE2	1	2.5
(2,1)	1:A:9:ASP:CB	1:J:122:PHE:CE2	1	2.5
(2,1)	1:A:9:ASP:CB	1:O:122:PHE:CE2	1	2.5
(2,1)	1:F:9:ASP:CB	1:N:122:PHE:CE2	1	2.5
(2,1)	1:F:9:ASP:CB	1:I:122:PHE:CE2	1	2.5
(2,1)	1:F:9:ASP:CB	1:P:122:PHE:CE2	1	2.5
(2,1)	1:F:9:ASP:CB	1:M:122:PHE:CE2	1	2.5
(2,1)	1:F:9:ASP:CB	1:L:122:PHE:CE2	1	2.5
(2,1)	1:F:9:ASP:CB	1:K:122:PHE:CE2	1	2.5
(2,1)	1:F:9:ASP:CB	1:J:122:PHE:CE2	1	2.5
(2,1)	1:F:9:ASP:CB	1:O:122:PHE:CE2	1	2.5
(2,1)	1:E:9:ASP:CB	1:N:122:PHE:CE2	1	2.5
(2,1)	1:E:9:ASP:CB	1:I:122:PHE:CE2	1	2.5
(2,1)	1:E:9:ASP:CB	1:P:122:PHE:CE2	1	2.5
(2,1)	1:E:9:ASP:CB	1:M:122:PHE:CE2	1	2.5
(2,1)	1:E:9:ASP:CB	1:L:122:PHE:CE2	1	2.5
(2,1)	1:E:9:ASP:CB	1:K:122:PHE:CE2	1	2.5
(2,1)	1:E:9:ASP:CB	1:J:122:PHE:CE2	1	2.5
(2,1)	1:E:9:ASP:CB	1:O:122:PHE:CE2	1	2.5
(2,1)	1:B:9:ASP:CB	1:N:122:PHE:CE2	1	2.5
(2,1)	1:B:9:ASP:CB	1:I:122:PHE:CE2	1	2.5
(2,1)	1:B:9:ASP:CB	1:P:122:PHE:CE2	1	2.5
(2,1)	1:B:9:ASP:CB	1:M:122:PHE:CE2	1	2.5
(2,1)	1:B:9:ASP:CB	1:L:122:PHE:CE2	1	2.5
(2,1)	1:B:9:ASP:CB	1:K:122:PHE:CE2	1	2.5
(2,1)	1:B:9:ASP:CB	1:J:122:PHE:CE2	1	2.5
(2,1)	1:B:9:ASP:CB	1:O:122:PHE:CE2	1	2.5
(2,1)	1:G:9:ASP:CB	1:N:122:PHE:CE2	1	2.5
(2,1)	1:G:9:ASP:CB	1:I:122:PHE:CE2	1	2.5
(2,1)	1:G:9:ASP:CB	1:P:122:PHE:CE2	1	2.5
(2,1)	1:G:9:ASP:CB	1:M:122:PHE:CE2	1	2.5
(2,1)	1:G:9:ASP:CB	1:L:122:PHE:CE2	1	2.5
(2,1)	1:G:9:ASP:CB	1:K:122:PHE:CE2	1	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:G:9:ASP:CB	1:J:122:PHE:CE2	1	2.5
(2,1)	1:G:9:ASP:CB	1:O:122:PHE:CE2	1	2.5
(2,1)	1:D:9:ASP:CB	1:N:122:PHE:CE2	1	2.5
(2,1)	1:D:9:ASP:CB	1:I:122:PHE:CE2	1	2.5
(2,1)	1:D:9:ASP:CB	1:P:122:PHE:CE2	1	2.5
(2,1)	1:D:9:ASP:CB	1:M:122:PHE:CE2	1	2.5
(2,1)	1:D:9:ASP:CB	1:L:122:PHE:CE2	1	2.5
(2,1)	1:D:9:ASP:CB	1:K:122:PHE:CE2	1	2.5
(2,1)	1:D:9:ASP:CB	1:J:122:PHE:CE2	1	2.5
(2,1)	1:D:9:ASP:CB	1:O:122:PHE:CE2	1	2.5
(2,1)	1:C:9:ASP:CB	1:N:122:PHE:CE2	1	2.5
(2,1)	1:C:9:ASP:CB	1:I:122:PHE:CE2	1	2.5
(2,1)	1:C:9:ASP:CB	1:P:122:PHE:CE2	1	2.5
(2,1)	1:C:9:ASP:CB	1:M:122:PHE:CE2	1	2.5
(2,1)	1:C:9:ASP:CB	1:L:122:PHE:CE2	1	2.5
(2,1)	1:C:9:ASP:CB	1:K:122:PHE:CE2	1	2.5
(2,1)	1:C:9:ASP:CB	1:J:122:PHE:CE2	1	2.5
(2,1)	1:C:9:ASP:CB	1:O:122:PHE:CE2	1	2.5
(2,1)	1:H:9:ASP:CB	1:N:122:PHE:CE2	10	2.48
(2,1)	1:H:9:ASP:CB	1:I:122:PHE:CE2	10	2.48
(2,1)	1:H:9:ASP:CB	1:P:122:PHE:CE2	10	2.48
(2,1)	1:H:9:ASP:CB	1:M:122:PHE:CE2	10	2.48
(2,1)	1:H:9:ASP:CB	1:L:122:PHE:CE2	10	2.48
(2,1)	1:H:9:ASP:CB	1:K:122:PHE:CE2	10	2.48
(2,1)	1:H:9:ASP:CB	1:J:122:PHE:CE2	10	2.48
(2,1)	1:H:9:ASP:CB	1:O:122:PHE:CE2	10	2.48
(2,1)	1:A:9:ASP:CB	1:N:122:PHE:CE2	10	2.48
(2,1)	1:A:9:ASP:CB	1:I:122:PHE:CE2	10	2.48
(2,1)	1:A:9:ASP:CB	1:P:122:PHE:CE2	10	2.48
(2,1)	1:A:9:ASP:CB	1:M:122:PHE:CE2	10	2.48
(2,1)	1:A:9:ASP:CB	1:L:122:PHE:CE2	10	2.48
(2,1)	1:A:9:ASP:CB	1:K:122:PHE:CE2	10	2.48
(2,1)	1:A:9:ASP:CB	1:J:122:PHE:CE2	10	2.48
(2,1)	1:A:9:ASP:CB	1:O:122:PHE:CE2	10	2.48
(2,1)	1:F:9:ASP:CB	1:N:122:PHE:CE2	10	2.48
(2,1)	1:F:9:ASP:CB	1:I:122:PHE:CE2	10	2.48
(2,1)	1:F:9:ASP:CB	1:P:122:PHE:CE2	10	2.48
(2,1)	1:F:9:ASP:CB	1:M:122:PHE:CE2	10	2.48
(2,1)	1:F:9:ASP:CB	1:L:122:PHE:CE2	10	2.48
(2,1)	1:F:9:ASP:CB	1:K:122:PHE:CE2	10	2.48
(2,1)	1:F:9:ASP:CB	1:J:122:PHE:CE2	10	2.48
(2,1)	1:F:9:ASP:CB	1:O:122:PHE:CE2	10	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:E:9:ASP:CB	1:N:122:PHE:CE2	10	2.48
(2,1)	1:E:9:ASP:CB	1:I:122:PHE:CE2	10	2.48
(2,1)	1:E:9:ASP:CB	1:P:122:PHE:CE2	10	2.48
(2,1)	1:E:9:ASP:CB	1:M:122:PHE:CE2	10	2.48
(2,1)	1:E:9:ASP:CB	1:L:122:PHE:CE2	10	2.48
(2,1)	1:E:9:ASP:CB	1:K:122:PHE:CE2	10	2.48
(2,1)	1:E:9:ASP:CB	1:J:122:PHE:CE2	10	2.48
(2,1)	1:E:9:ASP:CB	1:O:122:PHE:CE2	10	2.48
(2,1)	1:B:9:ASP:CB	1:N:122:PHE:CE2	10	2.48
(2,1)	1:B:9:ASP:CB	1:I:122:PHE:CE2	10	2.48
(2,1)	1:B:9:ASP:CB	1:P:122:PHE:CE2	10	2.48
(2,1)	1:B:9:ASP:CB	1:M:122:PHE:CE2	10	2.48
(2,1)	1:B:9:ASP:CB	1:L:122:PHE:CE2	10	2.48
(2,1)	1:B:9:ASP:CB	1:K:122:PHE:CE2	10	2.48
(2,1)	1:B:9:ASP:CB	1:J:122:PHE:CE2	10	2.48
(2,1)	1:B:9:ASP:CB	1:O:122:PHE:CE2	10	2.48
(2,1)	1:G:9:ASP:CB	1:N:122:PHE:CE2	10	2.48
(2,1)	1:G:9:ASP:CB	1:I:122:PHE:CE2	10	2.48
(2,1)	1:G:9:ASP:CB	1:P:122:PHE:CE2	10	2.48
(2,1)	1:G:9:ASP:CB	1:M:122:PHE:CE2	10	2.48
(2,1)	1:G:9:ASP:CB	1:L:122:PHE:CE2	10	2.48
(2,1)	1:G:9:ASP:CB	1:K:122:PHE:CE2	10	2.48
(2,1)	1:G:9:ASP:CB	1:J:122:PHE:CE2	10	2.48
(2,1)	1:G:9:ASP:CB	1:O:122:PHE:CE2	10	2.48
(2,1)	1:D:9:ASP:CB	1:N:122:PHE:CE2	10	2.48
(2,1)	1:D:9:ASP:CB	1:I:122:PHE:CE2	10	2.48
(2,1)	1:D:9:ASP:CB	1:P:122:PHE:CE2	10	2.48
(2,1)	1:D:9:ASP:CB	1:M:122:PHE:CE2	10	2.48
(2,1)	1:D:9:ASP:CB	1:L:122:PHE:CE2	10	2.48
(2,1)	1:D:9:ASP:CB	1:K:122:PHE:CE2	10	2.48
(2,1)	1:D:9:ASP:CB	1:J:122:PHE:CE2	10	2.48
(2,1)	1:D:9:ASP:CB	1:O:122:PHE:CE2	10	2.48
(2,1)	1:C:9:ASP:CB	1:N:122:PHE:CE2	10	2.48
(2,1)	1:C:9:ASP:CB	1:I:122:PHE:CE2	10	2.48
(2,1)	1:C:9:ASP:CB	1:P:122:PHE:CE2	10	2.48
(2,1)	1:C:9:ASP:CB	1:M:122:PHE:CE2	10	2.48
(2,1)	1:C:9:ASP:CB	1:L:122:PHE:CE2	10	2.48
(2,1)	1:C:9:ASP:CB	1:K:122:PHE:CE2	10	2.48
(2,1)	1:C:9:ASP:CB	1:J:122:PHE:CE2	10	2.48
(2,1)	1:C:9:ASP:CB	1:O:122:PHE:CE2	10	2.48
(2,1)	1:H:9:ASP:CB	1:N:122:PHE:CE2	2	2.46
(2,1)	1:H:9:ASP:CB	1:I:122:PHE:CE2	2	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:H:9:ASP:CB	1:P:122:PHE:CE2	2	2.46
(2,1)	1:H:9:ASP:CB	1:M:122:PHE:CE2	2	2.46
(2,1)	1:H:9:ASP:CB	1:L:122:PHE:CE2	2	2.46
(2,1)	1:H:9:ASP:CB	1:K:122:PHE:CE2	2	2.46
(2,1)	1:H:9:ASP:CB	1:J:122:PHE:CE2	2	2.46
(2,1)	1:H:9:ASP:CB	1:O:122:PHE:CE2	2	2.46
(2,1)	1:A:9:ASP:CB	1:N:122:PHE:CE2	2	2.46
(2,1)	1:A:9:ASP:CB	1:I:122:PHE:CE2	2	2.46
(2,1)	1:A:9:ASP:CB	1:P:122:PHE:CE2	2	2.46
(2,1)	1:A:9:ASP:CB	1:M:122:PHE:CE2	2	2.46
(2,1)	1:A:9:ASP:CB	1:L:122:PHE:CE2	2	2.46
(2,1)	1:A:9:ASP:CB	1:K:122:PHE:CE2	2	2.46
(2,1)	1:A:9:ASP:CB	1:J:122:PHE:CE2	2	2.46
(2,1)	1:A:9:ASP:CB	1:O:122:PHE:CE2	2	2.46
(2,1)	1:F:9:ASP:CB	1:N:122:PHE:CE2	2	2.46
(2,1)	1:F:9:ASP:CB	1:I:122:PHE:CE2	2	2.46
(2,1)	1:F:9:ASP:CB	1:P:122:PHE:CE2	2	2.46
(2,1)	1:F:9:ASP:CB	1:M:122:PHE:CE2	2	2.46
(2,1)	1:F:9:ASP:CB	1:L:122:PHE:CE2	2	2.46
(2,1)	1:F:9:ASP:CB	1:K:122:PHE:CE2	2	2.46
(2,1)	1:F:9:ASP:CB	1:J:122:PHE:CE2	2	2.46
(2,1)	1:F:9:ASP:CB	1:O:122:PHE:CE2	2	2.46
(2,1)	1:E:9:ASP:CB	1:N:122:PHE:CE2	2	2.46
(2,1)	1:E:9:ASP:CB	1:I:122:PHE:CE2	2	2.46
(2,1)	1:E:9:ASP:CB	1:P:122:PHE:CE2	2	2.46
(2,1)	1:E:9:ASP:CB	1:M:122:PHE:CE2	2	2.46
(2,1)	1:E:9:ASP:CB	1:L:122:PHE:CE2	2	2.46
(2,1)	1:E:9:ASP:CB	1:K:122:PHE:CE2	2	2.46
(2,1)	1:E:9:ASP:CB	1:J:122:PHE:CE2	2	2.46
(2,1)	1:E:9:ASP:CB	1:O:122:PHE:CE2	2	2.46
(2,1)	1:B:9:ASP:CB	1:N:122:PHE:CE2	2	2.46
(2,1)	1:B:9:ASP:CB	1:I:122:PHE:CE2	2	2.46
(2,1)	1:B:9:ASP:CB	1:P:122:PHE:CE2	2	2.46
(2,1)	1:B:9:ASP:CB	1:M:122:PHE:CE2	2	2.46
(2,1)	1:B:9:ASP:CB	1:L:122:PHE:CE2	2	2.46
(2,1)	1:B:9:ASP:CB	1:K:122:PHE:CE2	2	2.46
(2,1)	1:B:9:ASP:CB	1:J:122:PHE:CE2	2	2.46
(2,1)	1:B:9:ASP:CB	1:O:122:PHE:CE2	2	2.46
(2,1)	1:G:9:ASP:CB	1:N:122:PHE:CE2	2	2.46
(2,1)	1:G:9:ASP:CB	1:I:122:PHE:CE2	2	2.46
(2,1)	1:G:9:ASP:CB	1:P:122:PHE:CE2	2	2.46
(2,1)	1:G:9:ASP:CB	1:M:122:PHE:CE2	2	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:G:9:ASP:CB	1:L:122:PHE:CE2	2	2.46
(2,1)	1:G:9:ASP:CB	1:K:122:PHE:CE2	2	2.46
(2,1)	1:G:9:ASP:CB	1:J:122:PHE:CE2	2	2.46
(2,1)	1:G:9:ASP:CB	1:O:122:PHE:CE2	2	2.46
(2,1)	1:D:9:ASP:CB	1:N:122:PHE:CE2	2	2.46
(2,1)	1:D:9:ASP:CB	1:I:122:PHE:CE2	2	2.46
(2,1)	1:D:9:ASP:CB	1:P:122:PHE:CE2	2	2.46
(2,1)	1:D:9:ASP:CB	1:M:122:PHE:CE2	2	2.46
(2,1)	1:D:9:ASP:CB	1:L:122:PHE:CE2	2	2.46
(2,1)	1:D:9:ASP:CB	1:K:122:PHE:CE2	2	2.46
(2,1)	1:D:9:ASP:CB	1:J:122:PHE:CE2	2	2.46
(2,1)	1:D:9:ASP:CB	1:O:122:PHE:CE2	2	2.46
(2,1)	1:C:9:ASP:CB	1:N:122:PHE:CE2	2	2.46
(2,1)	1:C:9:ASP:CB	1:I:122:PHE:CE2	2	2.46
(2,1)	1:C:9:ASP:CB	1:P:122:PHE:CE2	2	2.46
(2,1)	1:C:9:ASP:CB	1:M:122:PHE:CE2	2	2.46
(2,1)	1:C:9:ASP:CB	1:L:122:PHE:CE2	2	2.46
(2,1)	1:C:9:ASP:CB	1:K:122:PHE:CE2	2	2.46
(2,1)	1:C:9:ASP:CB	1:J:122:PHE:CE2	2	2.46
(2,1)	1:C:9:ASP:CB	1:O:122:PHE:CE2	2	2.46
(2,1)	1:H:9:ASP:CB	1:N:122:PHE:CE2	5	2.44
(2,1)	1:H:9:ASP:CB	1:I:122:PHE:CE2	5	2.44
(2,1)	1:H:9:ASP:CB	1:P:122:PHE:CE2	5	2.44
(2,1)	1:H:9:ASP:CB	1:M:122:PHE:CE2	5	2.44
(2,1)	1:H:9:ASP:CB	1:L:122:PHE:CE2	5	2.44
(2,1)	1:H:9:ASP:CB	1:K:122:PHE:CE2	5	2.44
(2,1)	1:H:9:ASP:CB	1:J:122:PHE:CE2	5	2.44
(2,1)	1:H:9:ASP:CB	1:O:122:PHE:CE2	5	2.44
(2,1)	1:A:9:ASP:CB	1:N:122:PHE:CE2	5	2.44
(2,1)	1:A:9:ASP:CB	1:I:122:PHE:CE2	5	2.44
(2,1)	1:A:9:ASP:CB	1:P:122:PHE:CE2	5	2.44
(2,1)	1:A:9:ASP:CB	1:M:122:PHE:CE2	5	2.44
(2,1)	1:A:9:ASP:CB	1:L:122:PHE:CE2	5	2.44
(2,1)	1:A:9:ASP:CB	1:K:122:PHE:CE2	5	2.44
(2,1)	1:A:9:ASP:CB	1:J:122:PHE:CE2	5	2.44
(2,1)	1:A:9:ASP:CB	1:O:122:PHE:CE2	5	2.44
(2,1)	1:F:9:ASP:CB	1:N:122:PHE:CE2	5	2.44
(2,1)	1:F:9:ASP:CB	1:I:122:PHE:CE2	5	2.44
(2,1)	1:F:9:ASP:CB	1:P:122:PHE:CE2	5	2.44
(2,1)	1:F:9:ASP:CB	1:M:122:PHE:CE2	5	2.44
(2,1)	1:F:9:ASP:CB	1:L:122:PHE:CE2	5	2.44
(2,1)	1:F:9:ASP:CB	1:K:122:PHE:CE2	5	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:F:9:ASP:CB	1:J:122:PHE:CE2	5	2.44
(2,1)	1:F:9:ASP:CB	1:O:122:PHE:CE2	5	2.44
(2,1)	1:E:9:ASP:CB	1:N:122:PHE:CE2	5	2.44
(2,1)	1:E:9:ASP:CB	1:I:122:PHE:CE2	5	2.44
(2,1)	1:E:9:ASP:CB	1:P:122:PHE:CE2	5	2.44
(2,1)	1:E:9:ASP:CB	1:M:122:PHE:CE2	5	2.44
(2,1)	1:E:9:ASP:CB	1:L:122:PHE:CE2	5	2.44
(2,1)	1:E:9:ASP:CB	1:K:122:PHE:CE2	5	2.44
(2,1)	1:E:9:ASP:CB	1:J:122:PHE:CE2	5	2.44
(2,1)	1:E:9:ASP:CB	1:O:122:PHE:CE2	5	2.44
(2,1)	1:B:9:ASP:CB	1:N:122:PHE:CE2	5	2.44
(2,1)	1:B:9:ASP:CB	1:I:122:PHE:CE2	5	2.44
(2,1)	1:B:9:ASP:CB	1:P:122:PHE:CE2	5	2.44
(2,1)	1:B:9:ASP:CB	1:M:122:PHE:CE2	5	2.44
(2,1)	1:B:9:ASP:CB	1:L:122:PHE:CE2	5	2.44
(2,1)	1:B:9:ASP:CB	1:K:122:PHE:CE2	5	2.44
(2,1)	1:B:9:ASP:CB	1:J:122:PHE:CE2	5	2.44
(2,1)	1:B:9:ASP:CB	1:O:122:PHE:CE2	5	2.44
(2,1)	1:G:9:ASP:CB	1:N:122:PHE:CE2	5	2.44
(2,1)	1:G:9:ASP:CB	1:I:122:PHE:CE2	5	2.44
(2,1)	1:G:9:ASP:CB	1:P:122:PHE:CE2	5	2.44
(2,1)	1:G:9:ASP:CB	1:M:122:PHE:CE2	5	2.44
(2,1)	1:G:9:ASP:CB	1:L:122:PHE:CE2	5	2.44
(2,1)	1:G:9:ASP:CB	1:K:122:PHE:CE2	5	2.44
(2,1)	1:G:9:ASP:CB	1:J:122:PHE:CE2	5	2.44
(2,1)	1:G:9:ASP:CB	1:O:122:PHE:CE2	5	2.44
(2,1)	1:D:9:ASP:CB	1:N:122:PHE:CE2	5	2.44
(2,1)	1:D:9:ASP:CB	1:I:122:PHE:CE2	5	2.44
(2,1)	1:D:9:ASP:CB	1:P:122:PHE:CE2	5	2.44
(2,1)	1:D:9:ASP:CB	1:M:122:PHE:CE2	5	2.44
(2,1)	1:D:9:ASP:CB	1:L:122:PHE:CE2	5	2.44
(2,1)	1:D:9:ASP:CB	1:K:122:PHE:CE2	5	2.44
(2,1)	1:D:9:ASP:CB	1:J:122:PHE:CE2	5	2.44
(2,1)	1:D:9:ASP:CB	1:O:122:PHE:CE2	5	2.44
(2,1)	1:C:9:ASP:CB	1:N:122:PHE:CE2	5	2.44
(2,1)	1:C:9:ASP:CB	1:I:122:PHE:CE2	5	2.44
(2,1)	1:C:9:ASP:CB	1:P:122:PHE:CE2	5	2.44
(2,1)	1:C:9:ASP:CB	1:M:122:PHE:CE2	5	2.44
(2,1)	1:C:9:ASP:CB	1:L:122:PHE:CE2	5	2.44
(2,1)	1:C:9:ASP:CB	1:K:122:PHE:CE2	5	2.44
(2,1)	1:C:9:ASP:CB	1:J:122:PHE:CE2	5	2.44
(2,1)	1:C:9:ASP:CB	1:O:122:PHE:CE2	5	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:H:9:ASP:CB	1:N:122:PHE:CE2	7	2.43
(2,1)	1:H:9:ASP:CB	1:I:122:PHE:CE2	7	2.43
(2,1)	1:H:9:ASP:CB	1:P:122:PHE:CE2	7	2.43
(2,1)	1:H:9:ASP:CB	1:M:122:PHE:CE2	7	2.43
(2,1)	1:H:9:ASP:CB	1:L:122:PHE:CE2	7	2.43
(2,1)	1:H:9:ASP:CB	1:K:122:PHE:CE2	7	2.43
(2,1)	1:H:9:ASP:CB	1:J:122:PHE:CE2	7	2.43
(2,1)	1:H:9:ASP:CB	1:O:122:PHE:CE2	7	2.43
(2,1)	1:A:9:ASP:CB	1:N:122:PHE:CE2	7	2.43
(2,1)	1:A:9:ASP:CB	1:I:122:PHE:CE2	7	2.43
(2,1)	1:A:9:ASP:CB	1:P:122:PHE:CE2	7	2.43
(2,1)	1:A:9:ASP:CB	1:M:122:PHE:CE2	7	2.43
(2,1)	1:A:9:ASP:CB	1:L:122:PHE:CE2	7	2.43
(2,1)	1:A:9:ASP:CB	1:K:122:PHE:CE2	7	2.43
(2,1)	1:A:9:ASP:CB	1:J:122:PHE:CE2	7	2.43
(2,1)	1:A:9:ASP:CB	1:O:122:PHE:CE2	7	2.43
(2,1)	1:F:9:ASP:CB	1:N:122:PHE:CE2	7	2.43
(2,1)	1:F:9:ASP:CB	1:I:122:PHE:CE2	7	2.43
(2,1)	1:F:9:ASP:CB	1:P:122:PHE:CE2	7	2.43
(2,1)	1:F:9:ASP:CB	1:M:122:PHE:CE2	7	2.43
(2,1)	1:F:9:ASP:CB	1:L:122:PHE:CE2	7	2.43
(2,1)	1:F:9:ASP:CB	1:K:122:PHE:CE2	7	2.43
(2,1)	1:F:9:ASP:CB	1:J:122:PHE:CE2	7	2.43
(2,1)	1:F:9:ASP:CB	1:O:122:PHE:CE2	7	2.43
(2,1)	1:E:9:ASP:CB	1:N:122:PHE:CE2	7	2.43
(2,1)	1:E:9:ASP:CB	1:I:122:PHE:CE2	7	2.43
(2,1)	1:E:9:ASP:CB	1:P:122:PHE:CE2	7	2.43
(2,1)	1:E:9:ASP:CB	1:M:122:PHE:CE2	7	2.43
(2,1)	1:E:9:ASP:CB	1:L:122:PHE:CE2	7	2.43
(2,1)	1:E:9:ASP:CB	1:K:122:PHE:CE2	7	2.43
(2,1)	1:E:9:ASP:CB	1:J:122:PHE:CE2	7	2.43
(2,1)	1:E:9:ASP:CB	1:O:122:PHE:CE2	7	2.43
(2,1)	1:B:9:ASP:CB	1:N:122:PHE:CE2	7	2.43
(2,1)	1:B:9:ASP:CB	1:I:122:PHE:CE2	7	2.43
(2,1)	1:B:9:ASP:CB	1:P:122:PHE:CE2	7	2.43
(2,1)	1:B:9:ASP:CB	1:M:122:PHE:CE2	7	2.43
(2,1)	1:B:9:ASP:CB	1:L:122:PHE:CE2	7	2.43
(2,1)	1:B:9:ASP:CB	1:K:122:PHE:CE2	7	2.43
(2,1)	1:B:9:ASP:CB	1:J:122:PHE:CE2	7	2.43
(2,1)	1:B:9:ASP:CB	1:O:122:PHE:CE2	7	2.43
(2,1)	1:G:9:ASP:CB	1:N:122:PHE:CE2	7	2.43
(2,1)	1:G:9:ASP:CB	1:I:122:PHE:CE2	7	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:G:9:ASP:CB	1:P:122:PHE:CE2	7	2.43
(2,1)	1:G:9:ASP:CB	1:M:122:PHE:CE2	7	2.43
(2,1)	1:G:9:ASP:CB	1:L:122:PHE:CE2	7	2.43
(2,1)	1:G:9:ASP:CB	1:K:122:PHE:CE2	7	2.43
(2,1)	1:G:9:ASP:CB	1:J:122:PHE:CE2	7	2.43
(2,1)	1:G:9:ASP:CB	1:O:122:PHE:CE2	7	2.43
(2,1)	1:D:9:ASP:CB	1:N:122:PHE:CE2	7	2.43
(2,1)	1:D:9:ASP:CB	1:I:122:PHE:CE2	7	2.43
(2,1)	1:D:9:ASP:CB	1:P:122:PHE:CE2	7	2.43
(2,1)	1:D:9:ASP:CB	1:M:122:PHE:CE2	7	2.43
(2,1)	1:D:9:ASP:CB	1:L:122:PHE:CE2	7	2.43
(2,1)	1:D:9:ASP:CB	1:K:122:PHE:CE2	7	2.43
(2,1)	1:D:9:ASP:CB	1:J:122:PHE:CE2	7	2.43
(2,1)	1:D:9:ASP:CB	1:O:122:PHE:CE2	7	2.43
(2,1)	1:C:9:ASP:CB	1:N:122:PHE:CE2	7	2.43
(2,1)	1:C:9:ASP:CB	1:I:122:PHE:CE2	7	2.43
(2,1)	1:C:9:ASP:CB	1:P:122:PHE:CE2	7	2.43
(2,1)	1:C:9:ASP:CB	1:M:122:PHE:CE2	7	2.43
(2,1)	1:C:9:ASP:CB	1:L:122:PHE:CE2	7	2.43
(2,1)	1:C:9:ASP:CB	1:K:122:PHE:CE2	7	2.43
(2,1)	1:C:9:ASP:CB	1:J:122:PHE:CE2	7	2.43
(2,1)	1:C:9:ASP:CB	1:O:122:PHE:CE2	7	2.43
(2,1)	1:H:9:ASP:CB	1:N:122:PHE:CE2	4	2.39
(2,1)	1:H:9:ASP:CB	1:I:122:PHE:CE2	4	2.39
(2,1)	1:H:9:ASP:CB	1:P:122:PHE:CE2	4	2.39
(2,1)	1:H:9:ASP:CB	1:M:122:PHE:CE2	4	2.39
(2,1)	1:H:9:ASP:CB	1:L:122:PHE:CE2	4	2.39
(2,1)	1:H:9:ASP:CB	1:K:122:PHE:CE2	4	2.39
(2,1)	1:H:9:ASP:CB	1:J:122:PHE:CE2	4	2.39
(2,1)	1:H:9:ASP:CB	1:O:122:PHE:CE2	4	2.39
(2,1)	1:A:9:ASP:CB	1:N:122:PHE:CE2	4	2.39
(2,1)	1:A:9:ASP:CB	1:I:122:PHE:CE2	4	2.39
(2,1)	1:A:9:ASP:CB	1:P:122:PHE:CE2	4	2.39
(2,1)	1:A:9:ASP:CB	1:M:122:PHE:CE2	4	2.39
(2,1)	1:A:9:ASP:CB	1:L:122:PHE:CE2	4	2.39
(2,1)	1:A:9:ASP:CB	1:K:122:PHE:CE2	4	2.39
(2,1)	1:A:9:ASP:CB	1:J:122:PHE:CE2	4	2.39
(2,1)	1:A:9:ASP:CB	1:O:122:PHE:CE2	4	2.39
(2,1)	1:F:9:ASP:CB	1:N:122:PHE:CE2	4	2.39
(2,1)	1:F:9:ASP:CB	1:I:122:PHE:CE2	4	2.39
(2,1)	1:F:9:ASP:CB	1:P:122:PHE:CE2	4	2.39
(2,1)	1:F:9:ASP:CB	1:M:122:PHE:CE2	4	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:F:9:ASP:CB	1:L:122:PHE:CE2	4	2.39
(2,1)	1:F:9:ASP:CB	1:K:122:PHE:CE2	4	2.39
(2,1)	1:F:9:ASP:CB	1:J:122:PHE:CE2	4	2.39
(2,1)	1:F:9:ASP:CB	1:O:122:PHE:CE2	4	2.39
(2,1)	1:E:9:ASP:CB	1:N:122:PHE:CE2	4	2.39
(2,1)	1:E:9:ASP:CB	1:I:122:PHE:CE2	4	2.39
(2,1)	1:E:9:ASP:CB	1:P:122:PHE:CE2	4	2.39
(2,1)	1:E:9:ASP:CB	1:M:122:PHE:CE2	4	2.39
(2,1)	1:E:9:ASP:CB	1:L:122:PHE:CE2	4	2.39
(2,1)	1:E:9:ASP:CB	1:K:122:PHE:CE2	4	2.39
(2,1)	1:E:9:ASP:CB	1:J:122:PHE:CE2	4	2.39
(2,1)	1:E:9:ASP:CB	1:O:122:PHE:CE2	4	2.39
(2,1)	1:B:9:ASP:CB	1:N:122:PHE:CE2	4	2.39
(2,1)	1:B:9:ASP:CB	1:I:122:PHE:CE2	4	2.39
(2,1)	1:B:9:ASP:CB	1:P:122:PHE:CE2	4	2.39
(2,1)	1:B:9:ASP:CB	1:M:122:PHE:CE2	4	2.39
(2,1)	1:B:9:ASP:CB	1:L:122:PHE:CE2	4	2.39
(2,1)	1:B:9:ASP:CB	1:K:122:PHE:CE2	4	2.39
(2,1)	1:B:9:ASP:CB	1:J:122:PHE:CE2	4	2.39
(2,1)	1:B:9:ASP:CB	1:O:122:PHE:CE2	4	2.39
(2,1)	1:G:9:ASP:CB	1:N:122:PHE:CE2	4	2.39
(2,1)	1:G:9:ASP:CB	1:I:122:PHE:CE2	4	2.39
(2,1)	1:G:9:ASP:CB	1:P:122:PHE:CE2	4	2.39
(2,1)	1:G:9:ASP:CB	1:M:122:PHE:CE2	4	2.39
(2,1)	1:G:9:ASP:CB	1:L:122:PHE:CE2	4	2.39
(2,1)	1:G:9:ASP:CB	1:K:122:PHE:CE2	4	2.39
(2,1)	1:G:9:ASP:CB	1:J:122:PHE:CE2	4	2.39
(2,1)	1:G:9:ASP:CB	1:O:122:PHE:CE2	4	2.39
(2,1)	1:D:9:ASP:CB	1:N:122:PHE:CE2	4	2.39
(2,1)	1:D:9:ASP:CB	1:I:122:PHE:CE2	4	2.39
(2,1)	1:D:9:ASP:CB	1:P:122:PHE:CE2	4	2.39
(2,1)	1:D:9:ASP:CB	1:M:122:PHE:CE2	4	2.39
(2,1)	1:D:9:ASP:CB	1:L:122:PHE:CE2	4	2.39
(2,1)	1:D:9:ASP:CB	1:K:122:PHE:CE2	4	2.39
(2,1)	1:D:9:ASP:CB	1:J:122:PHE:CE2	4	2.39
(2,1)	1:D:9:ASP:CB	1:O:122:PHE:CE2	4	2.39
(2,1)	1:C:9:ASP:CB	1:N:122:PHE:CE2	4	2.39
(2,1)	1:C:9:ASP:CB	1:I:122:PHE:CE2	4	2.39
(2,1)	1:C:9:ASP:CB	1:P:122:PHE:CE2	4	2.39
(2,1)	1:C:9:ASP:CB	1:M:122:PHE:CE2	4	2.39
(2,1)	1:C:9:ASP:CB	1:L:122:PHE:CE2	4	2.39
(2,1)	1:C:9:ASP:CB	1:K:122:PHE:CE2	4	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:C:9:ASP:CB	1:J:122:PHE:CE2	4	2.39
(2,1)	1:C:9:ASP:CB	1:O:122:PHE:CE2	4	2.39
(1,502)	1:I:105:THR:CG2	1:I:106:PHE:CD1	2	0.17
(1,290)	1:A:13:TYR:CD1	1:A:15:ASP:CA	4	0.15
(1,556)	1:I:124:GLN:CG	1:I:125:TRP:CH2	5	0.13
(1,314)	1:A:24:GLN:CB	1:A:26:LEU:CD2	2	0.13
(1,459)	1:A:24:GLN:CG	1:A:25:TRP:CH2	6	0.11
(1,459)	1:A:24:GLN:CG	1:A:25:TRP:CH2	10	0.11

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found