Full wwPDB EM Validation Report

Mar 20, 2026 – 12:25 AM UTC

PDB ID	:	4UDF / pdb_00004udf
EMDB ID	:	EMD-2761
Title	:	STRUCTURAL BASIS OF HUMAN PARECHOVIRUS NEUTRALIZATION BY HUMAN MONOCLONAL ANTIBODIES
Authors	:	Shakeel, S.; Westerhuis, B.M.; Ora, A.; Koen, G.; Bakker, A.Q.; Claassen, Y.; Beaumont, T.; Wolthers, K.C.; Butcher, S.J.
Deposited on	:	2014-12-10
Resolution	:	20.00 Å(reported)

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

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

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

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

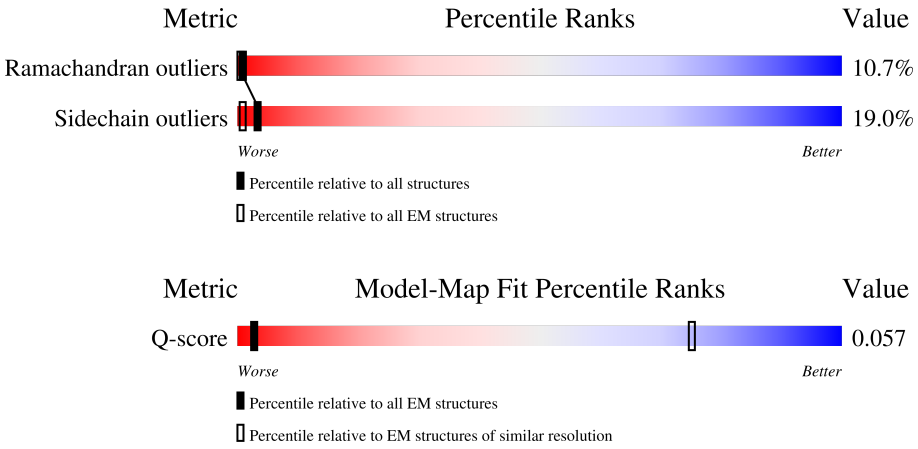
EMDB validation analysis	:	0.0.1.dev132
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics	:	202505.v01 (Using data in the EMDB archive up until May 2025)
MapQ	:	1.9.13
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

1 Overall quality at a glance

The following experimental techniques were used to determine the structure:
ELECTRON MICROSCOPY

The reported resolution of this entry is 20.00 Å.

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



Metric	Whole archive (#Entries)	EM structures (#Entries)	Similar EM resolution (#Entries, resolution range(Å))
Ramachandran outliers	224038	23583	-
Sidechain outliers	223484	23102	-
Q-score	-	25397	28 (19.40 - 20.00)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for >=3, 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions <=5% The upper red bar (where present) indicates the fraction of residues that have poor fit to the EM map (all-atom inclusion < 40%). The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	12	183	33% 26% 23% 18%
1	16	183	33% 26% 23% 18%
1	1A	183	33% 26% 23% 18%
1	1E	183	33% 26% 23% 18%
1	1I	183	33% 26% 23% 18%

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Mol	Chain	Length	Quality of chain
1	1M	183	33% 26% 23% 18%
1	1Q	183	33% 26% 23% 18%
1	1U	183	33% 26% 23% 18%
1	1Y	183	33% 26% 23% 18%
1	22	183	33% 26% 23% 18%
1	26	183	33% 26% 23% 18%
1	2A	183	33% 26% 23% 18%
1	2E	183	33% 26% 23% 18%
1	2I	183	33% 26% 23% 18%
1	2M	183	33% 26% 23% 18%
1	2Q	183	33% 26% 23% 18%
1	2U	183	33% 26% 23% 18%
1	2Y	183	33% 26% 23% 18%
1	32	183	33% 26% 23% 18%
1	36	183	33% 26% 23% 18%
1	3A	183	33% 26% 23% 18%
1	3E	183	33% 26% 23% 18%
1	3I	183	33% 26% 23% 18%
1	3M	183	33% 26% 23% 18%
1	3Q	183	33% 26% 23% 18%
1	3U	183	33% 26% 23% 18%
1	3Y	183	33% 26% 23% 18%
1	42	183	33% 26% 23% 18%
1	46	183	33% 26% 23% 18%
1	4A	183	33% 26% 23% 18%

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Mol	Chain	Length	Quality of chain
1	4E	183	33% 26% 23% 18%
1	4I	183	33% 26% 23% 18%
1	4M	183	33% 26% 23% 18%
1	4Q	183	33% 26% 23% 18%
1	4U	183	33% 26% 23% 18%
1	4Y	183	33% 26% 23% 18%
1	52	183	33% 26% 23% 18%
1	56	183	33% 26% 23% 18%
1	5A	183	33% 26% 23% 18%
1	5E	183	33% 26% 23% 18%
1	5I	183	33% 26% 23% 18%
1	5M	183	33% 26% 23% 18%
1	5Q	183	33% 26% 23% 18%
1	5U	183	33% 26% 23% 18%
1	5Y	183	33% 26% 23% 18%
1	62	183	33% 26% 23% 18%
1	66	183	33% 26% 23% 18%
1	6A	183	33% 26% 23% 18%
1	6E	183	33% 26% 23% 18%
1	6I	183	33% 26% 23% 18%
1	6M	183	33% 26% 23% 18%
1	6Q	183	33% 26% 23% 18%
1	6U	183	33% 26% 23% 18%
1	6Y	183	33% 26% 23% 18%
1	7A	183	33% 26% 23% 18%

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Mol	Chain	Length	Quality of chain
1	7E	183	33% 26% 23% 18%
1	7I	183	33% 26% 23% 18%
1	7M	183	33% 26% 23% 18%
1	7Q	183	33% 26% 23% 18%
1	7U	183	33% 26% 23% 18%
2	13	229	36% 30% 17% 17%
2	17	229	36% 30% 17% 17%
2	1B	229	36% 30% 17% 17%
2	1F	229	36% 30% 17% 17%
2	1J	229	36% 30% 17% 17%
2	1N	229	35% 31% 17% 17%
2	1R	229	35% 31% 17% 17%
2	1V	229	35% 31% 17% 17%
2	1Z	229	35% 31% 17% 17%
2	23	229	36% 30% 17% 17%
2	27	229	36% 30% 17% 17%
2	2B	229	36% 30% 17% 17%
2	2F	229	36% 30% 17% 17%
2	2J	229	35% 31% 17% 17%
2	2N	229	36% 30% 17% 17%
2	2R	229	35% 31% 17% 17%
2	2V	229	35% 31% 17% 17%
2	2Z	229	35% 31% 17% 17%
2	33	229	35% 31% 17% 17%
2	37	229	36% 30% 17% 17%

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Mol	Chain	Length	Quality of chain
2	3B	229	35% 31% 17% 17%
2	3F	229	36% 30% 17% 17%
2	3J	229	35% 31% 17% 17%
2	3N	229	36% 30% 17% 17%
2	3R	229	36% 30% 17% 17%
2	3V	229	36% 30% 17% 17%
2	3Z	229	36% 30% 17% 17%
2	43	229	35% 31% 17% 17%
2	47	229	35% 31% 17% 17%
2	4B	229	36% 30% 17% 17%
2	4F	229	35% 31% 17% 17%
2	4J	229	36% 30% 17% 17%
2	4N	229	36% 30% 17% 17%
2	4R	229	36% 30% 17% 17%
2	4V	229	36% 30% 17% 17%
2	4Z	229	35% 31% 17% 17%
2	53	229	35% 31% 17% 17%
2	57	229	35% 31% 17% 17%
2	5B	229	35% 31% 17% 17%
2	5F	229	36% 30% 17% 17%
2	5J	229	36% 30% 17% 17%
2	5N	229	36% 30% 17% 17%
2	5R	229	36% 30% 17% 17%
2	5V	229	35% 31% 17% 17%
2	5Z	229	36% 30% 17% 17%

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Mol	Chain	Length	Quality of chain
2	63	229	36% 30% 17% 17%
2	67	229	36% 30% 17% 17%
2	6B	229	35% 31% 17% 17%
2	6F	229	36% 30% 17% 17%
2	6J	229	36% 30% 17% 17%
2	6N	229	35% 31% 17% 17%
2	6R	229	36% 30% 17% 17%
2	6V	229	35% 31% 17% 17%
2	6Z	229	36% 30% 17% 17%
2	7B	229	36% 30% 17% 17%
2	7F	229	35% 31% 17% 17%
2	7J	229	36% 30% 17% 17%
2	7N	229	36% 30% 17% 17%
2	7R	229	35% 31% 17% 17%
2	7V	229	36% 30% 17% 17%
3	10	109	33% 84% 14%
3	14	109	28% 84% 14%
3	18	109	28% 84% 14%
3	1C	109	34% 84% 14%
3	1G	109	34% 84% 14%
3	1K	109	34% 84% 14%
3	1O	109	28% 84% 14%
3	1S	109	33% 84% 14%
3	1W	109	33% 84% 14%
3	20	109	33% 84% 14%

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Mol	Chain	Length	Quality of chain
3	24	109	34% 84% 14%
3	28	109	34% 84% 14%
3	2C	109	28% 84% 14%
3	2G	109	34% 84% 14%
3	2K	109	28% 84% 14%
3	2O	109	34% 84% 14%
3	2S	109	33% 84% 14%
3	2W	109	33% 84% 14%
3	30	109	28% 84% 14%
3	34	109	28% 84% 14%
3	38	109	34% 84% 14%
3	3C	109	28% 84% 14%
3	3G	109	34% 84% 14%
3	3K	109	28% 84% 14%
3	3O	109	34% 84% 14%
3	3S	109	28% 84% 14%
3	3W	109	28% 84% 14%
3	40	109	28% 84% 14%
3	44	109	33% 84% 14%
3	48	109	33% 84% 14%
3	4C	109	34% 84% 14%
3	4G	109	28% 84% 14%
3	4K	109	34% 84% 14%
3	4O	109	34% 84% 14%
3	4S	109	34% 84% 14%

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Mol	Chain	Length	Quality of chain
3	4W	109	34% 84% 14%
3	50	109	34% 84% 14%
3	54	109	33% 84% 14%
3	58	109	33% 84% 14%
3	5C	109	33% 84% 14%
3	5G	109	28% 84% 14%
3	5K	109	28% 84% 14%
3	5O	109	28% 84% 14%
3	5S	109	34% 84% 14%
3	5W	109	28% 84% 14%
3	60	109	34% 84% 14%
3	64	109	28% 84% 14%
3	68	109	28% 84% 14%
3	6C	109	33% 84% 14%
3	6G	109	34% 84% 14%
3	6K	109	34% 84% 14%
3	6O	109	28% 84% 14%
3	6S	109	34% 84% 14%
3	6W	109	28% 84% 14%
3	7C	109	28% 84% 14%
3	7G	109	28% 84% 14%
3	7K	109	34% 84% 14%
3	7O	109	34% 84% 14%
3	7S	109	28% 84% 14%
3	7W	109	34% 84% 14%

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Mol	Chain	Length	Quality of chain
4	11	122	22% 77% 19%
4	15	122	19% 77% 19%
4	19	122	19% 77% 19%
4	1D	122	23% 77% 19%
4	1H	122	21% 77% 19%
4	1L	122	23% 77% 19%
4	1P	122	20% 77% 19%
4	1T	122	22% 77% 19%
4	1X	122	22% 77% 19%
4	21	122	22% 77% 19%
4	25	122	21% 77% 19%
4	29	122	23% 77% 19%
4	2D	122	19% 77% 19%
4	2H	122	23% 77% 19%
4	2L	122	20% 77% 19%
4	2P	122	21% 77% 19%
4	2T	122	22% 77% 19%
4	2X	122	22% 77% 19%
4	31	122	19% 77% 19%
4	35	122	20% 77% 19%
4	39	122	21% 77% 19%
4	3D	122	20% 77% 19%
4	3H	122	23% 77% 19%
4	3L	122	20% 77% 19%
4	3P	122	21% 77% 19%

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Mol	Chain	Length	Quality of chain
4	3T	122	19% 77% 19%
4	3X	122	19% 77% 19%
4	41	122	20% 77% 19%
4	45	122	22% 77% 19%
4	49	122	22% 77% 19%
4	4D	122	23% 77% 19%
4	4H	122	20% 77% 19%
4	4L	122	21% 77% 19%
4	4P	122	23% 77% 19%
4	4T	122	21% 77% 19%
4	4X	122	23% 77% 19%
4	51	122	21% 77% 19%
4	55	122	22% 77% 19%
4	59	122	22% 77% 19%
4	5D	122	22% 77% 19%
4	5H	122	19% 77% 19%
4	5L	122	19% 77% 19%
4	5P	122	19% 77% 19%
4	5T	122	23% 77% 19%
4	5X	122	20% 77% 19%
4	61	122	21% 77% 19%
4	65	122	19% 77% 19%
4	69	122	19% 77% 19%
4	6D	122	22% 77% 19%
4	6H	122	21% 77% 19%

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Mol	Chain	Length	Quality of chain
4	6L	122	23% 77% 19%
4	6P	122	20% 77% 19%
4	6T	122	23% 77% 19%
4	6X	122	20% 77% 19%
4	7D	122	19% 77% 19%
4	7H	122	20% 77% 19%
4	7L	122	21% 77% 19%
4	7P	122	23% 77% 19%
4	7T	122	20% 77% 19%
4	7X	122	21% 77% 19%

2 Entry composition (i)

There are 4 unique types of molecules in this entry. The entry contains 326520 atoms, of which 24420 are hydrogens and 0 are deuteriums.

In the tables below, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called Capsid protein VP3.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	1A	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	1E	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	1I	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	1M	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	1Q	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	1U	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	1Y	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	12	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	16	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	2A	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	2E	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	2I	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	2M	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	2Q	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	2U	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	2Y	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	22	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	26	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	3A	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	3E	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	3I	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	3M	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	3Q	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	3U	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	3Y	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	32	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	36	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	4A	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	4E	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	4I	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	4M	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	4Q	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	4U	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	4Y	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	42	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	46	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	5A	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	5E	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	5I	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	5M	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	5Q	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	5U	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	5Y	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	52	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	56	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	6A	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	6E	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	6I	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	6M	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	6Q	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	6U	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	6Y	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	62	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	66	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	7A	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	7E	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	7I	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	7M	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		
1	7Q	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	7U	183	Total	C	N	O	S	0	0
			1449	926	244	272	7		

- Molecule 2 is a protein called Capsid protein VP0.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	1B	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	1F	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	1J	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	1N	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	1R	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	1V	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	1Z	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	13	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	17	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	2B	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	2F	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	2J	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	2N	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	2R	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	2V	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	2Z	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	23	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	27	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	3B	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	3F	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	3J	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	3N	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	3R	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	3V	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	3Z	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	33	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	37	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	4B	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	4F	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	4J	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	4N	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	4R	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	4V	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	4Z	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	43	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	47	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	5B	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	5F	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	5J	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	5N	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	5R	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	5V	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	5Z	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	53	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	57	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	6B	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	6F	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	6J	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	6N	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	6R	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	6V	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	6Z	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	63	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	67	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	7B	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	7F	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	7J	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	7N	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	7R	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		
2	7V	229	Total	C	N	O	S	1	0
			1810	1151	301	353	5		

- Molecule 3 is a protein called HUMAN MONOCLONAL ANTIBODY.

Mol	Chain	Residues	Atoms						AltConf	Trace
3	1C	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	1G	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	1K	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	1O	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	1S	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	1W	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	10	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	14	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	18	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	2C	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	2G	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	2K	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	2O	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	2S	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	2W	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	20	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	24	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	28	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	3C	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	3G	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	3K	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		

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Mol	Chain	Residues	Atoms						AltConf	Trace
3	3O	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	3S	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	3W	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	30	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	34	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	38	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	4C	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	4G	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	4K	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	4O	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	4S	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	4W	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	40	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	44	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	48	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	5C	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	5G	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	5K	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	5O	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	5S	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	5W	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		

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Mol	Chain	Residues	Atoms						AltConf	Trace
3	50	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	54	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	58	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	6C	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	6G	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	6K	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	6O	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	6S	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	6W	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	60	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	64	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	68	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	7C	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	7G	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	7K	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	7O	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	7S	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		
3	7W	109	Total	C	H	N	O	S	17	0
			1057	541	199	144	170	3		

- Molecule 4 is a protein called HUMAN MONOCLONAL ANTIBODY.

Mol	Chain	Residues	Atoms						AltConf	Trace
4	1D	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		

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Mol	Chain	Residues	Atoms						AltConf	Trace
4	1H	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	1L	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	1P	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	1T	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	1X	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	11	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	15	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	19	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	2D	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	2H	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	2L	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	2P	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	2T	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	2X	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	21	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	25	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	29	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	3D	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	3H	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	3L	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	3P	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		

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Mol	Chain	Residues	Atoms						AltConf	Trace
4	3T	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	3X	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	31	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	35	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	39	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	4D	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	4H	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	4L	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	4P	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	4T	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	4X	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	41	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	45	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	49	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	5D	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	5H	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	5L	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	5P	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	5T	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	5X	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	51	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		

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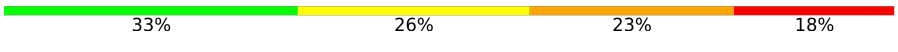
Mol	Chain	Residues	Atoms						AltConf	Trace
4	55	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	59	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	6D	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	6H	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	6L	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	6P	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	6T	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	6X	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	61	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	65	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	69	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	7D	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	7H	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	7L	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	7P	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	7T	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		
4	7X	122	Total	C	H	N	O	S	15	0
			1126	573	208	155	186	4		

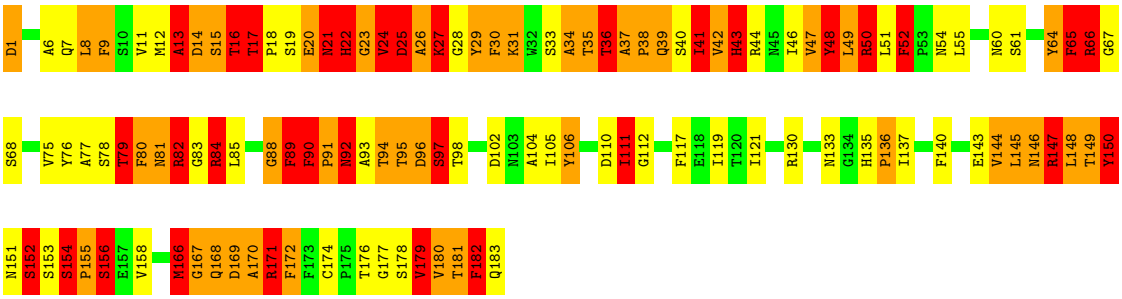
3 Residue-property plots (i)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion in map density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red diamond above a residue indicates a poor fit to the EM map for this residue (all-atom inclusion < 40%). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

• Molecule 1: Capsid protein VP3

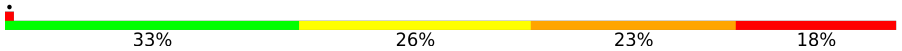
Chain 1A:

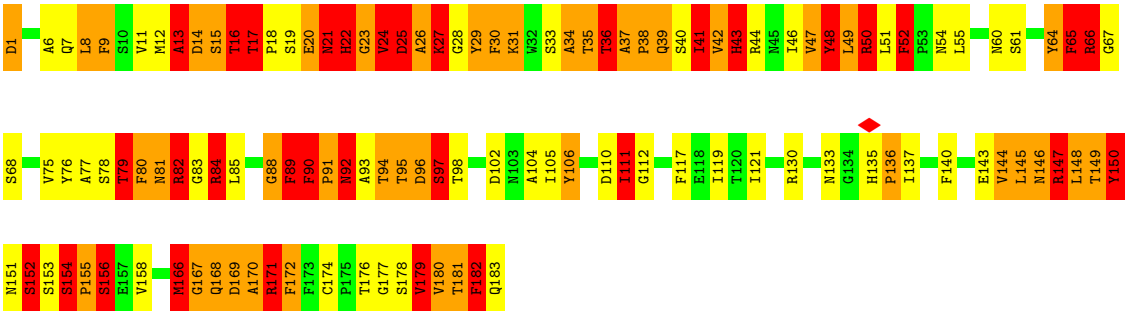




• Molecule 1: Capsid protein VP3

Chain 1E:

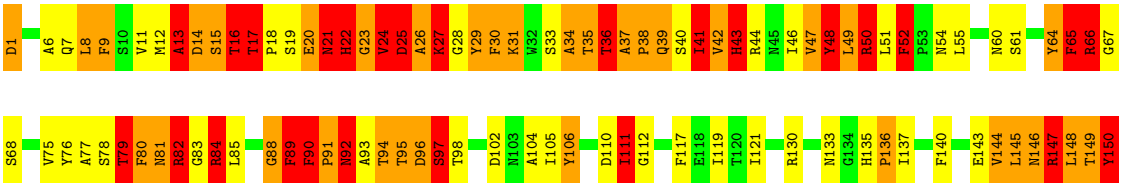




• Molecule 1: Capsid protein VP3

Chain 1I:

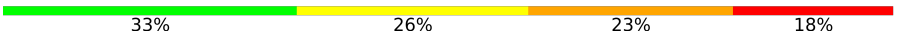


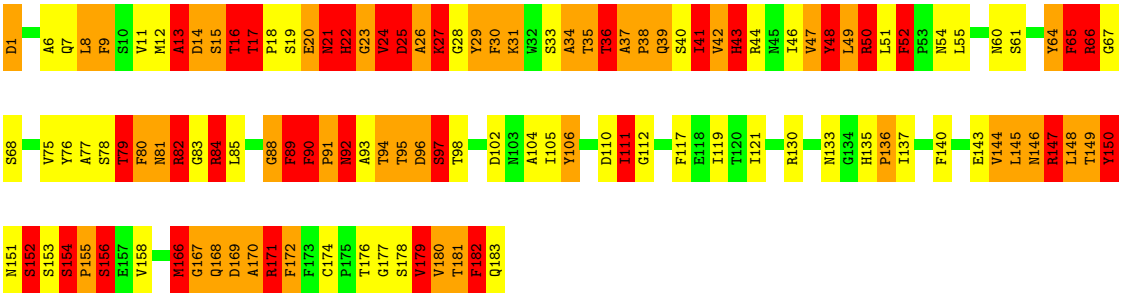




• Molecule 1: Capsid protein VP3

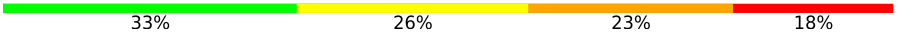
Chain 1M:

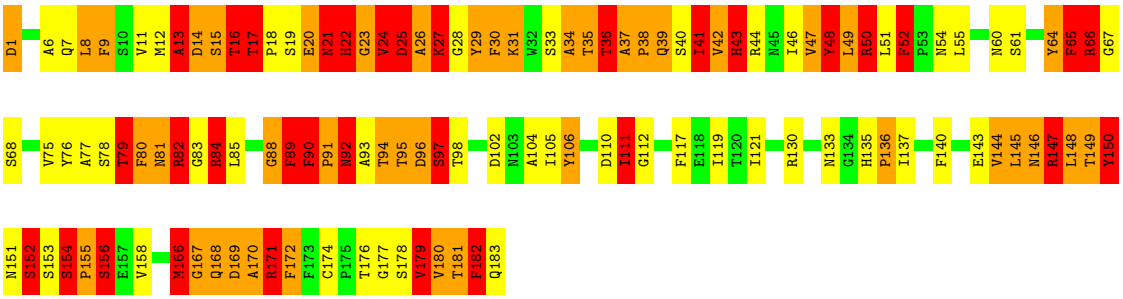




• Molecule 1: Capsid protein VP3

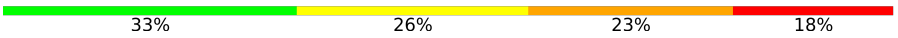
Chain 1Q:

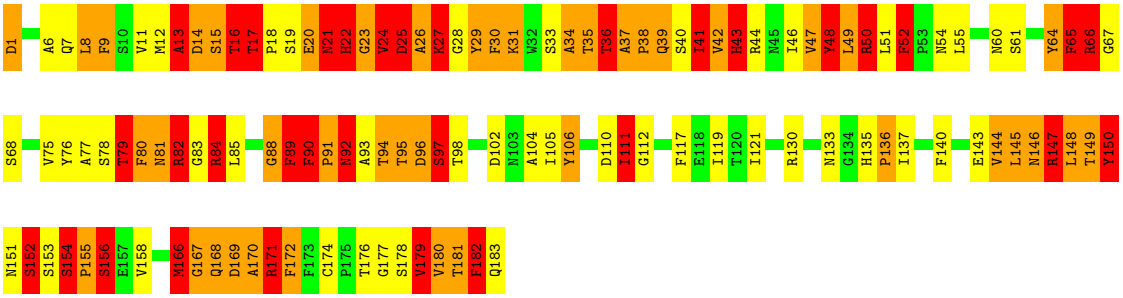




• Molecule 1: Capsid protein VP3

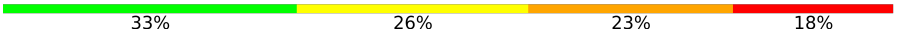
Chain 1U:

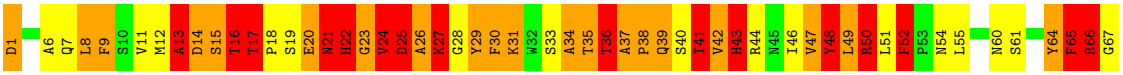


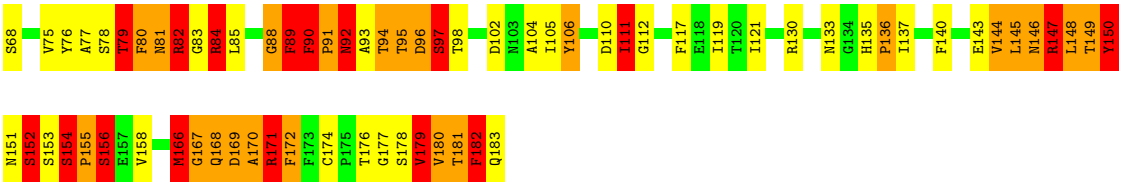


• Molecule 1: Capsid protein VP3

Chain 1Y:

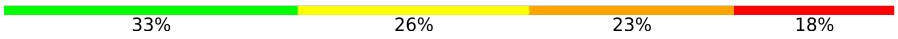


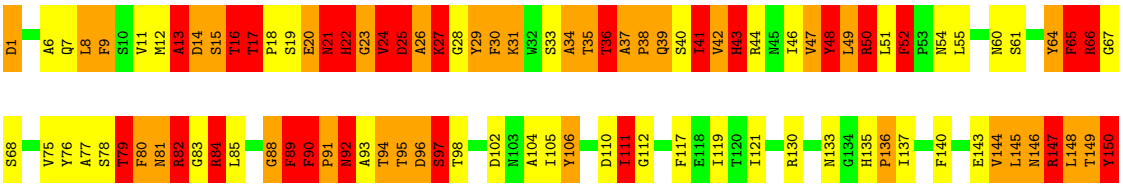




• Molecule 1: Capsid protein VP3

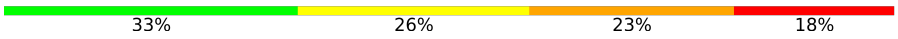
Chain 12:

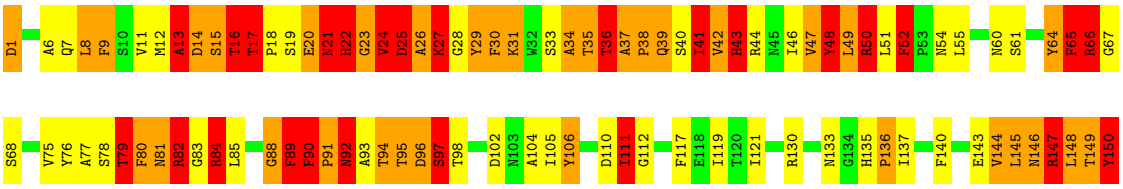




• Molecule 1: Capsid protein VP3

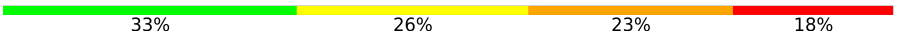
Chain 16:

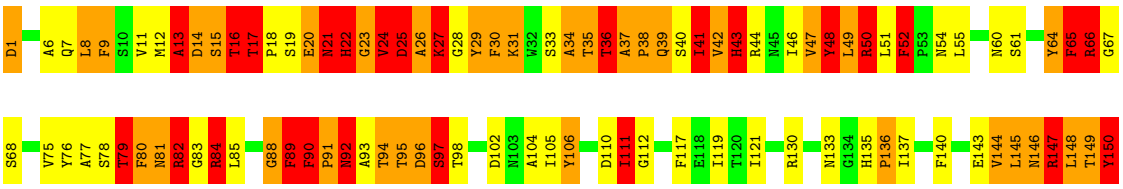




• Molecule 1: Capsid protein VP3

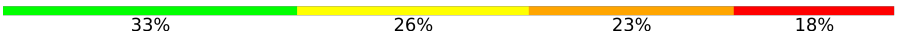
Chain 2A:

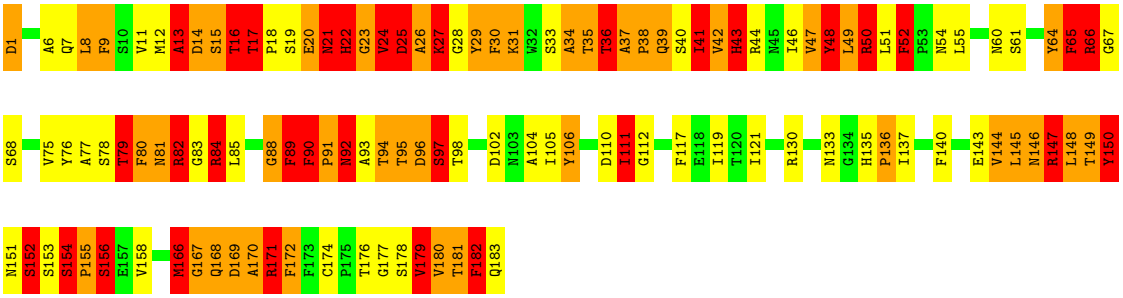




• Molecule 1: Capsid protein VP3

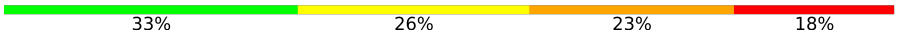
Chain 2E:

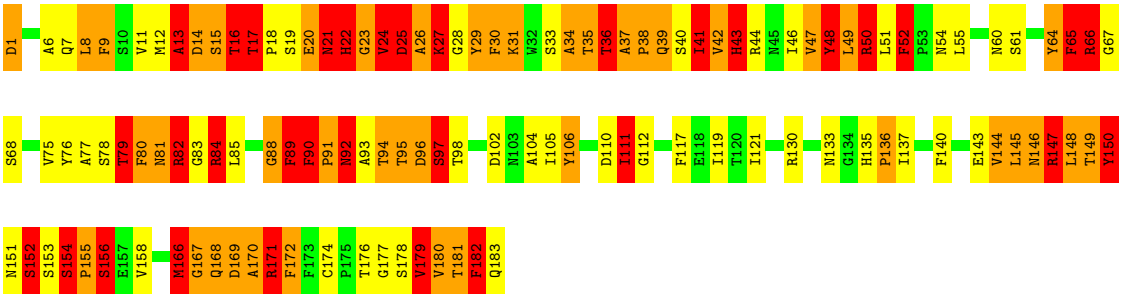




• Molecule 1: Capsid protein VP3

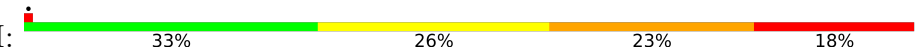
Chain 2I:

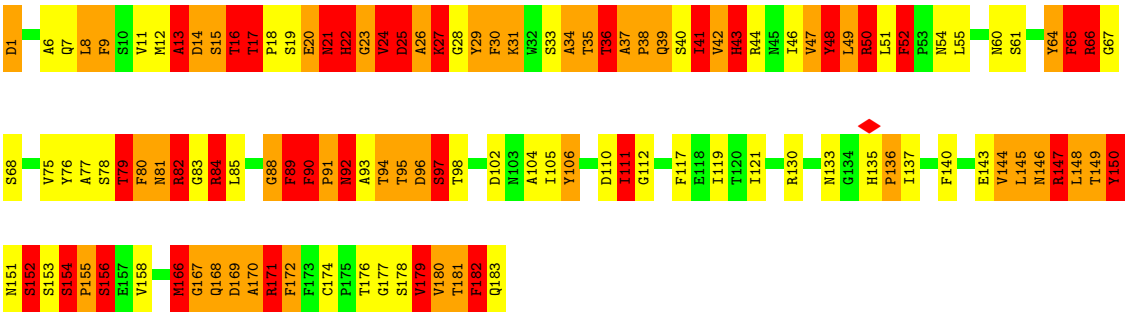




• Molecule 1: Capsid protein VP3

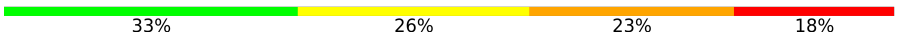
Chain 2M:

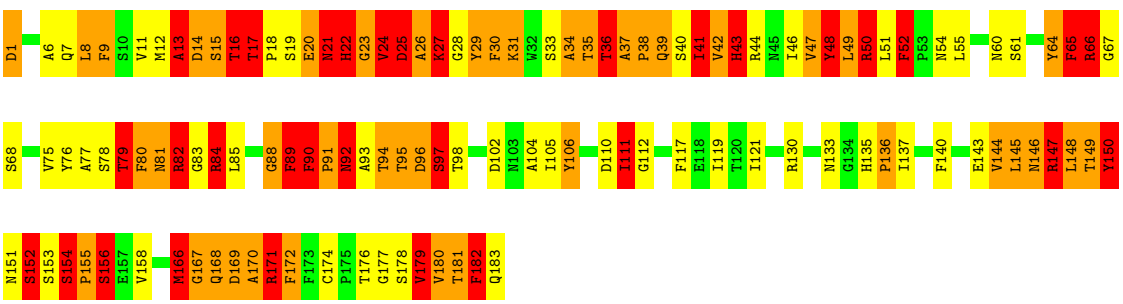




• Molecule 1: Capsid protein VP3

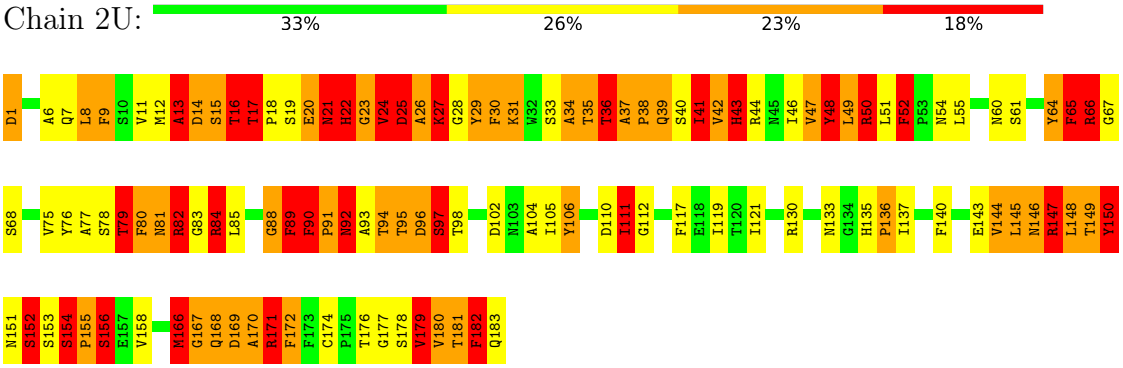
Chain 2Q:





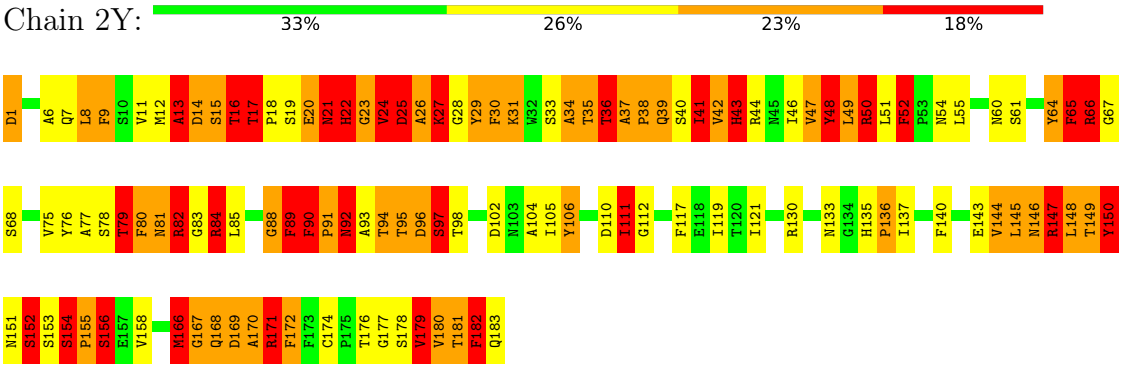
• Molecule 1: Capsid protein VP3

Chain 2U:



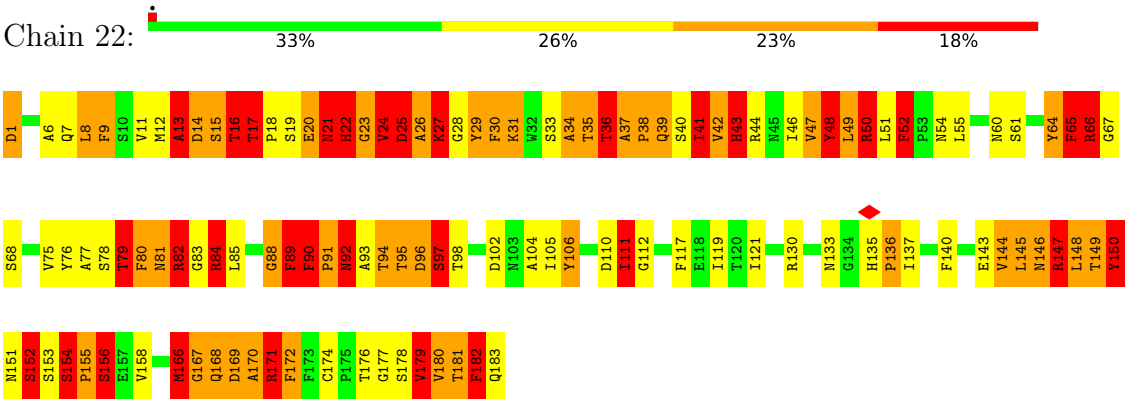
• Molecule 1: Capsid protein VP3

Chain 2Y:



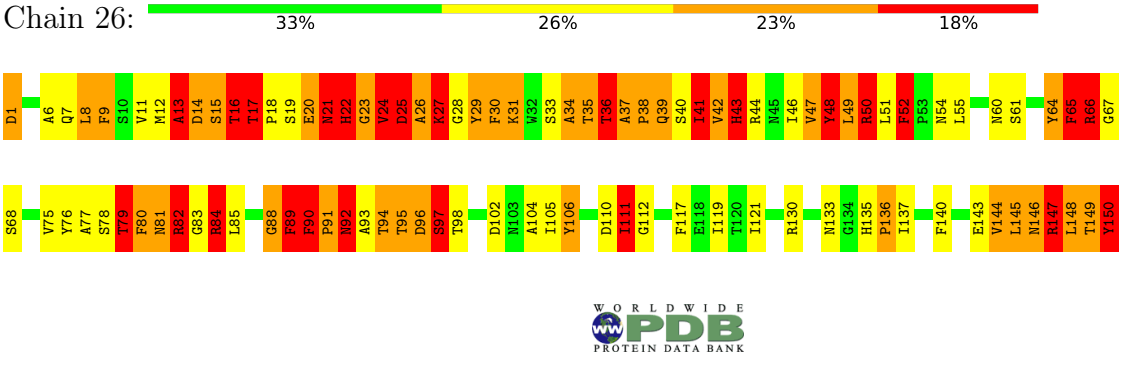
• Molecule 1: Capsid protein VP3

Chain 22:



• Molecule 1: Capsid protein VP3

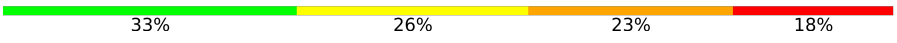
Chain 26:

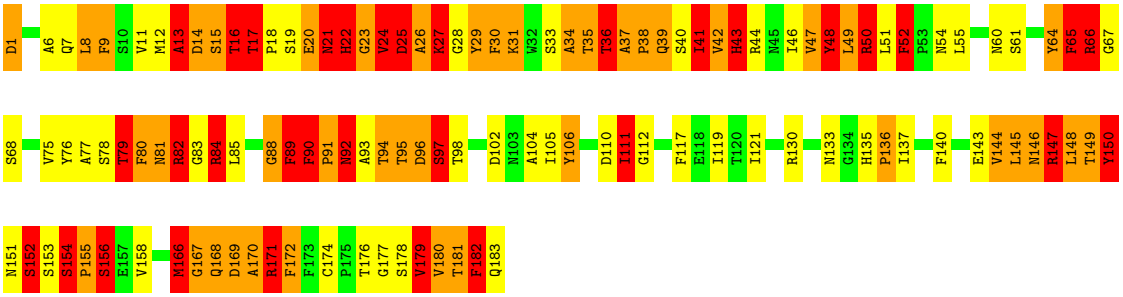




• Molecule 1: Capsid protein VP3

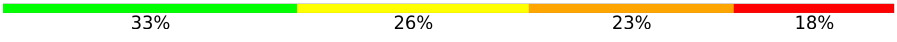
Chain 3A:

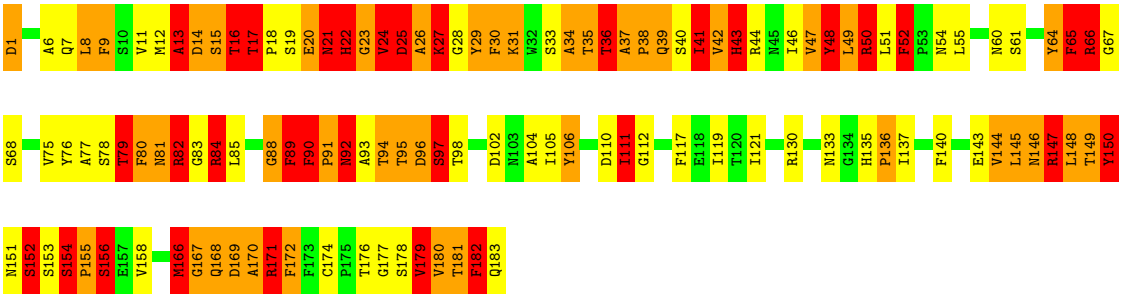




• Molecule 1: Capsid protein VP3

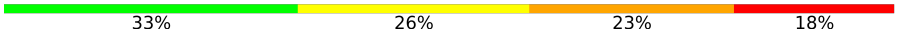
Chain 3E:

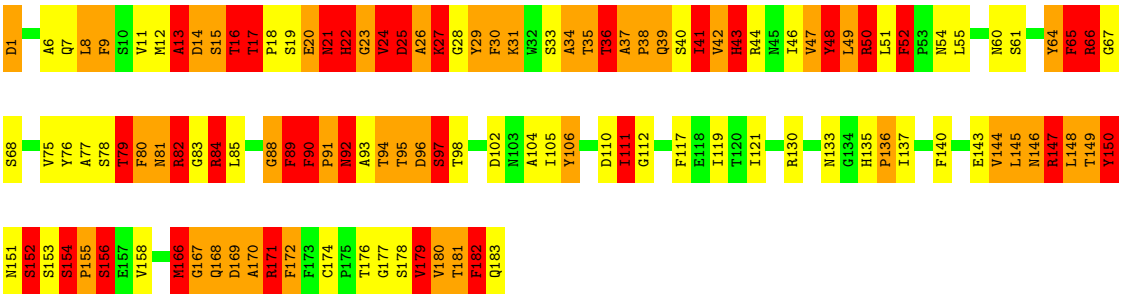




• Molecule 1: Capsid protein VP3

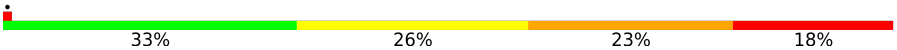
Chain 3I:

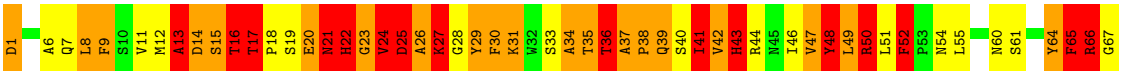


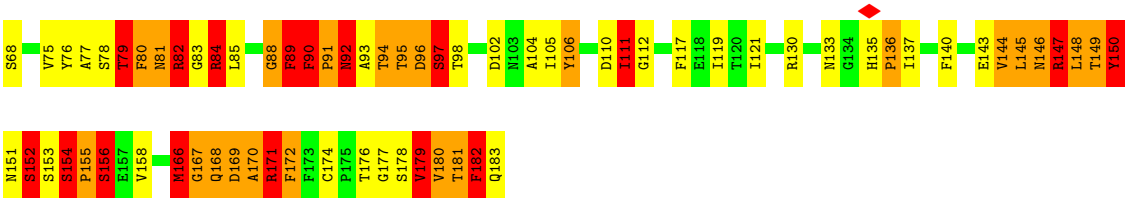


• Molecule 1: Capsid protein VP3

Chain 3M:

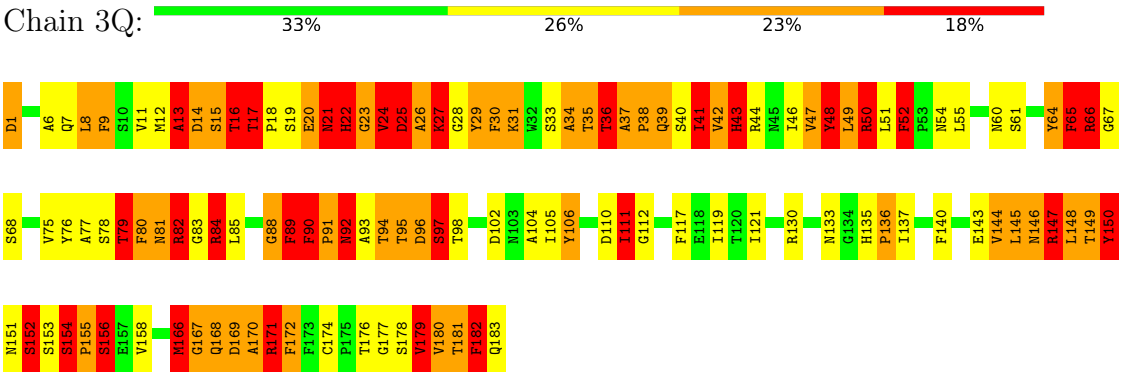






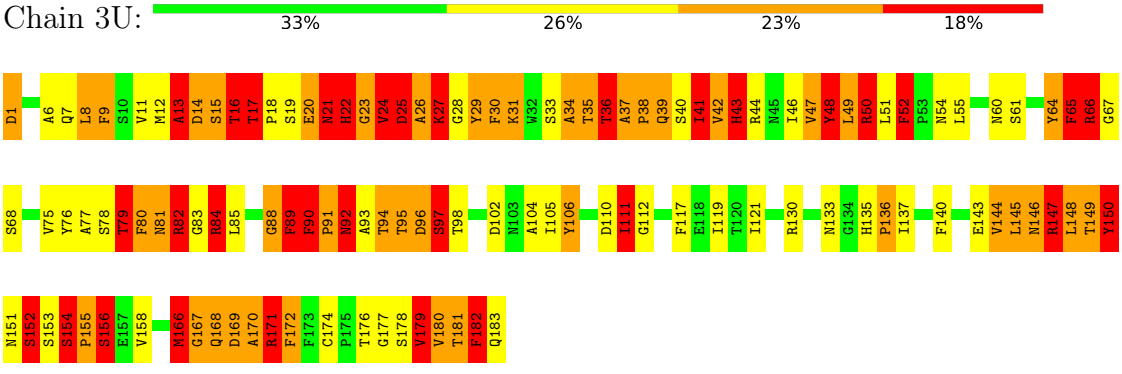
• Molecule 1: Capsid protein VP3

Chain 3Q:



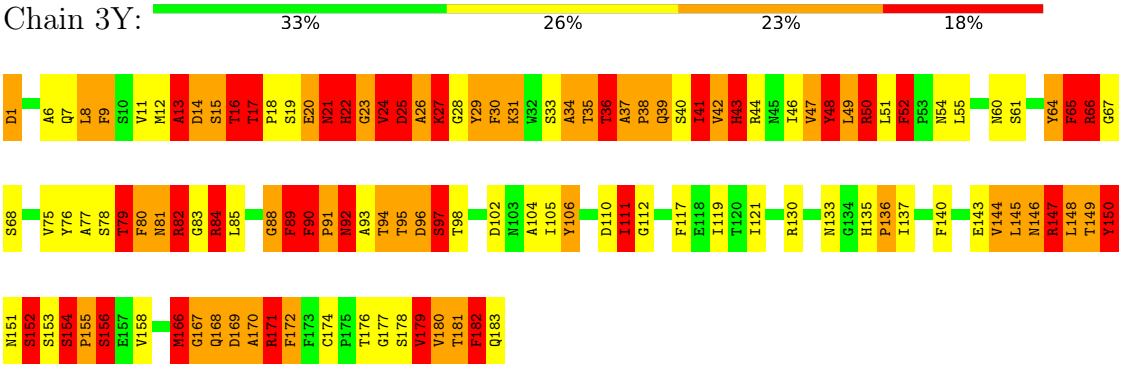
• Molecule 1: Capsid protein VP3

Chain 3U:



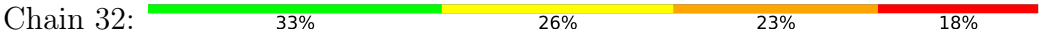
• Molecule 1: Capsid protein VP3

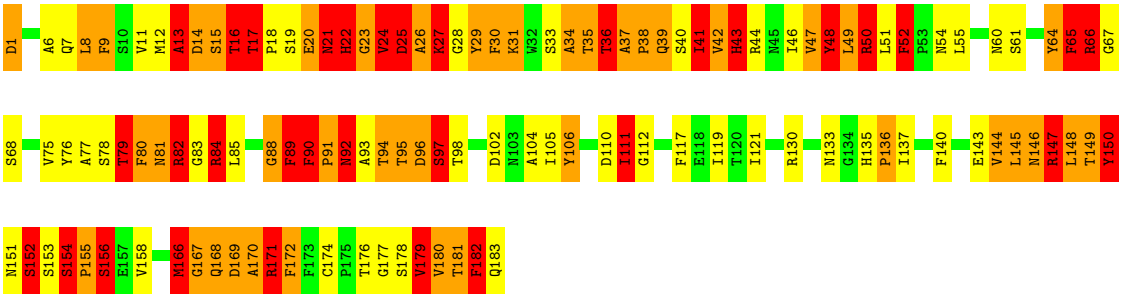
Chain 3Y:



• Molecule 1: Capsid protein VP3

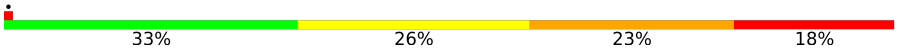
Chain 32:

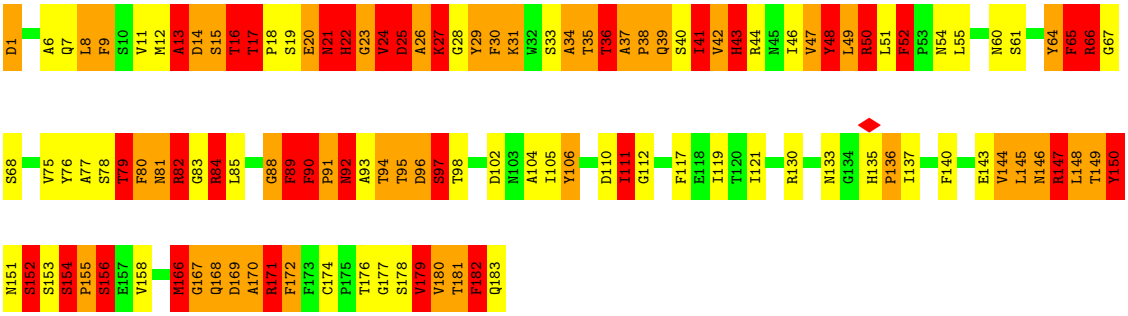




• Molecule 1: Capsid protein VP3

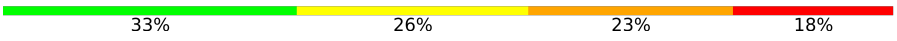
Chain 36:

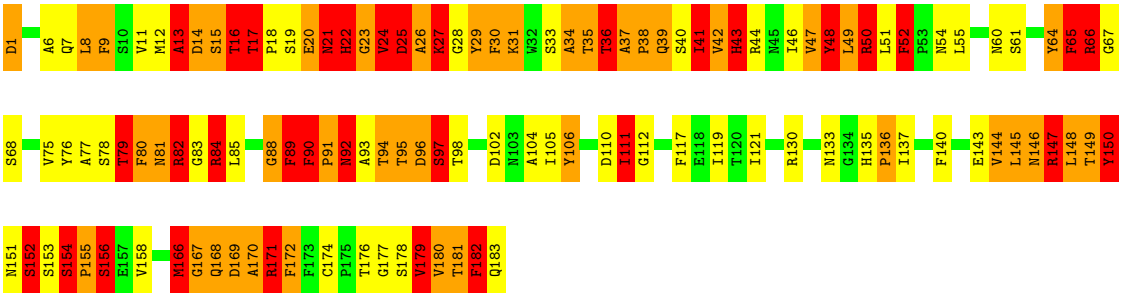




• Molecule 1: Capsid protein VP3

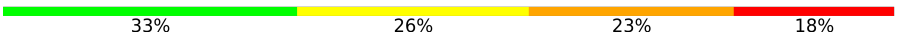
Chain 4A:

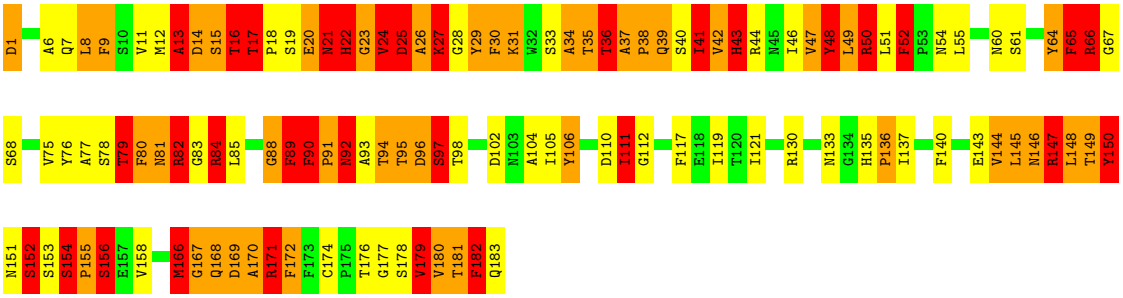




• Molecule 1: Capsid protein VP3

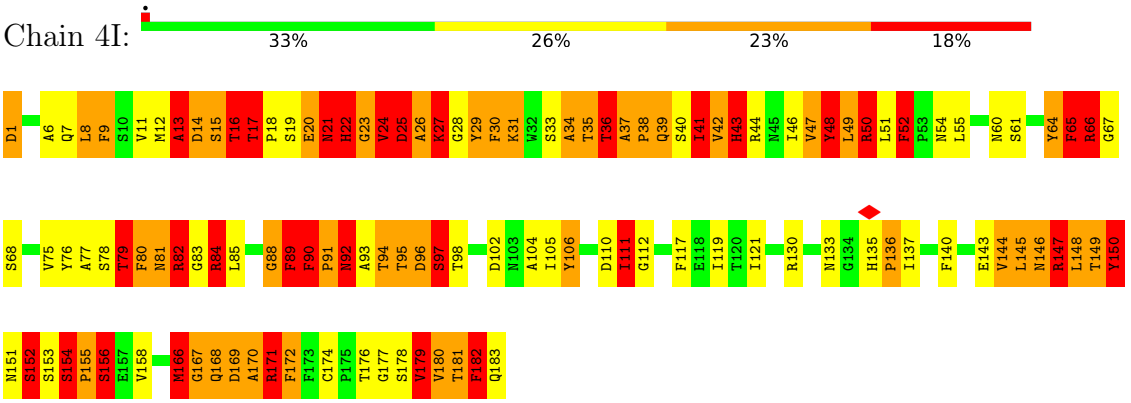
Chain 4E:





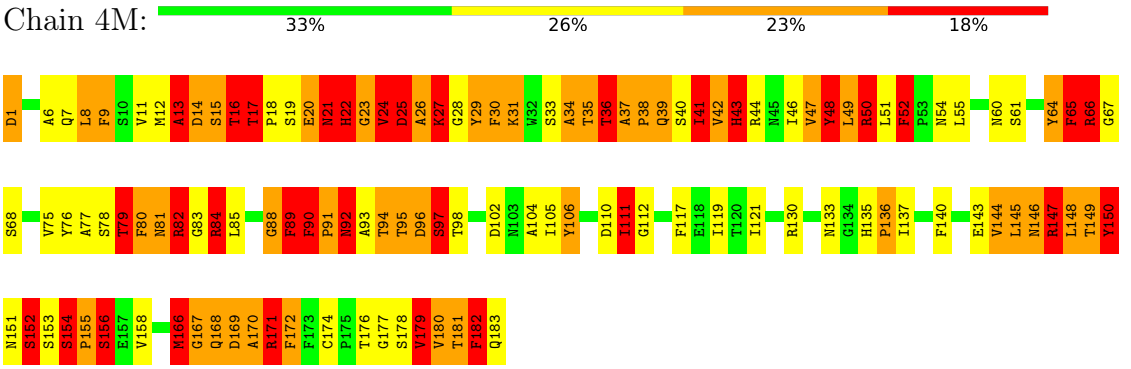
• Molecule 1: Capsid protein VP3

Chain 4I:



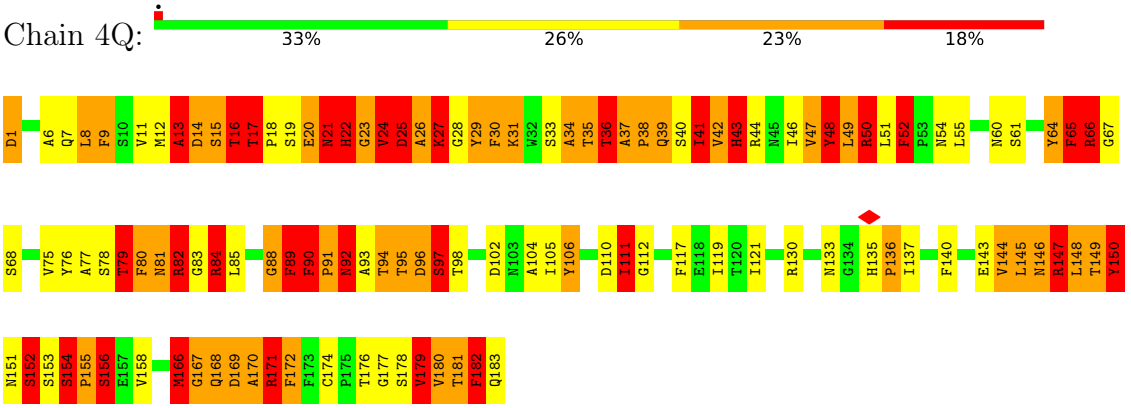
• Molecule 1: Capsid protein VP3

Chain 4M:



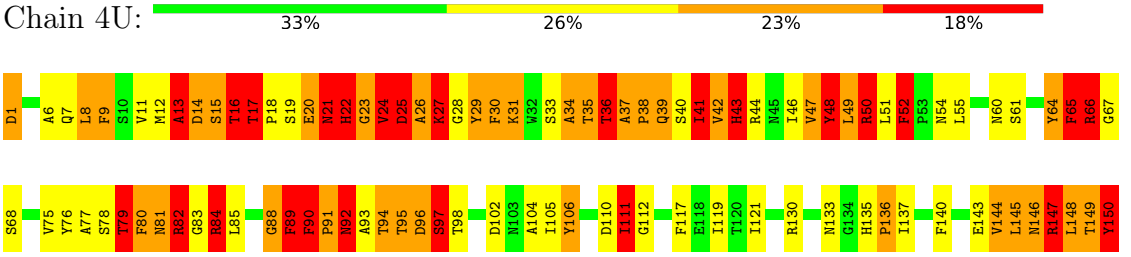
• Molecule 1: Capsid protein VP3

Chain 4Q:



• Molecule 1: Capsid protein VP3

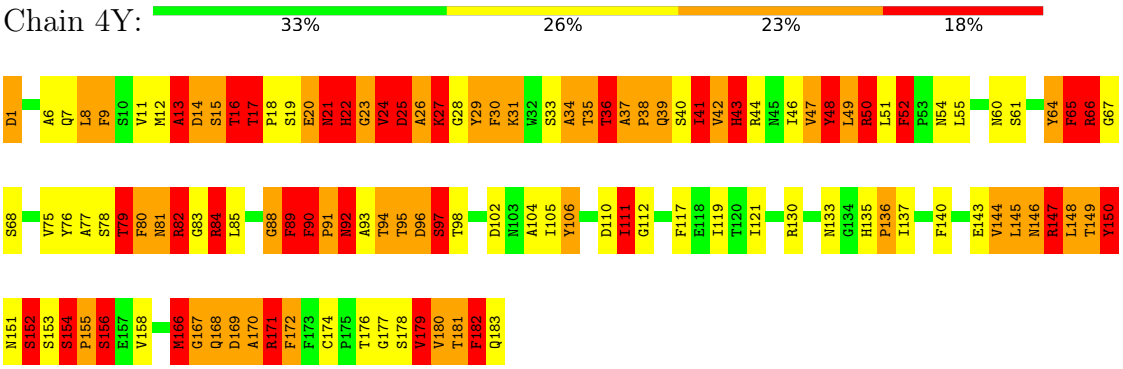
Chain 4U:





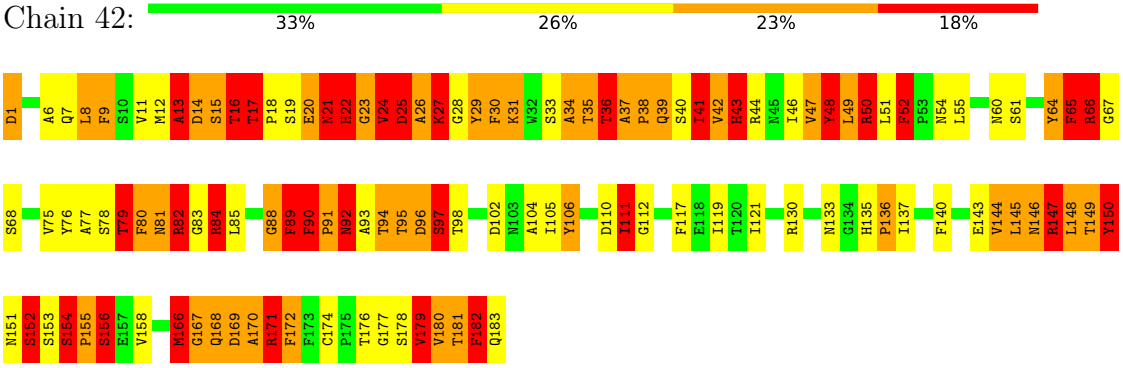
• Molecule 1: Capsid protein VP3

Chain 4Y:



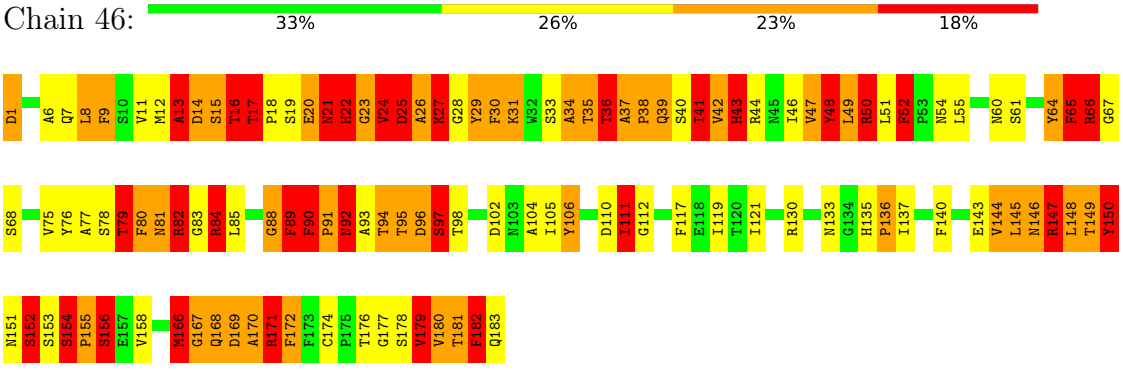
• Molecule 1: Capsid protein VP3

Chain 42:



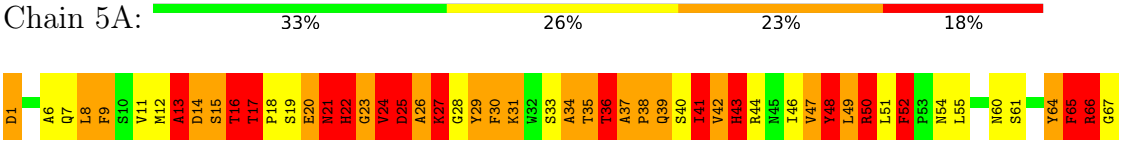
• Molecule 1: Capsid protein VP3

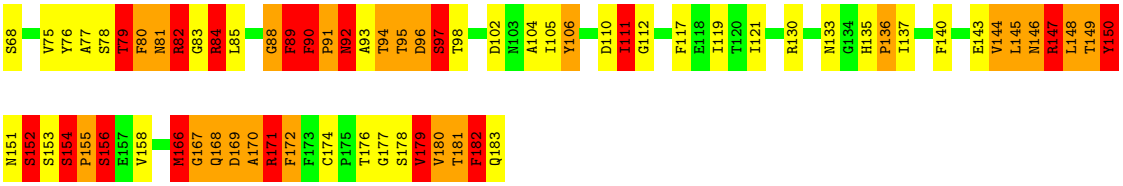
Chain 46:



• Molecule 1: Capsid protein VP3

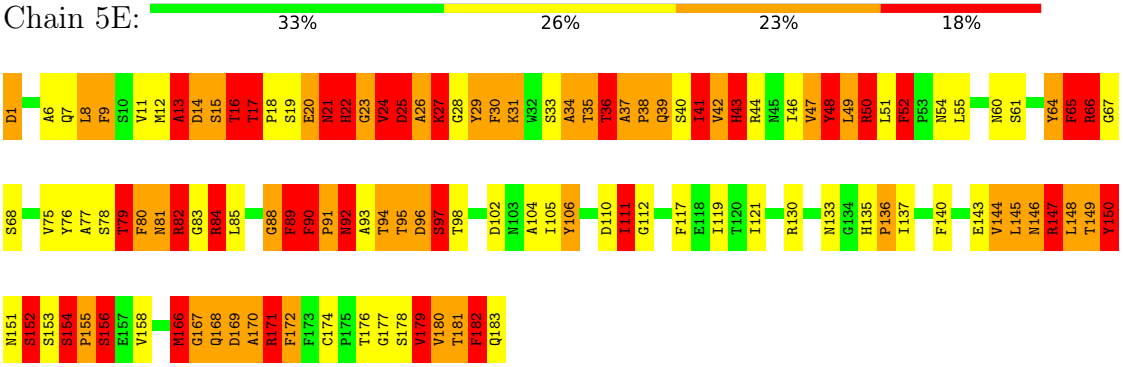
Chain 5A:





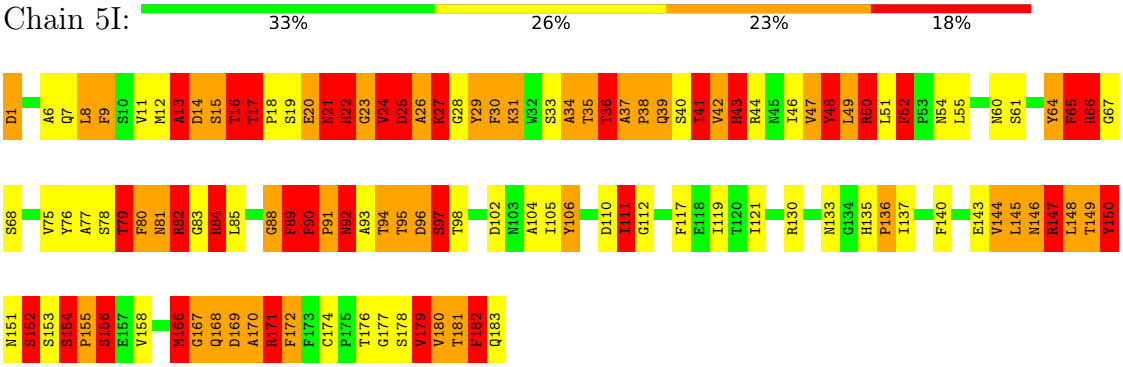
• Molecule 1: Capsid protein VP3

Chain 5E:



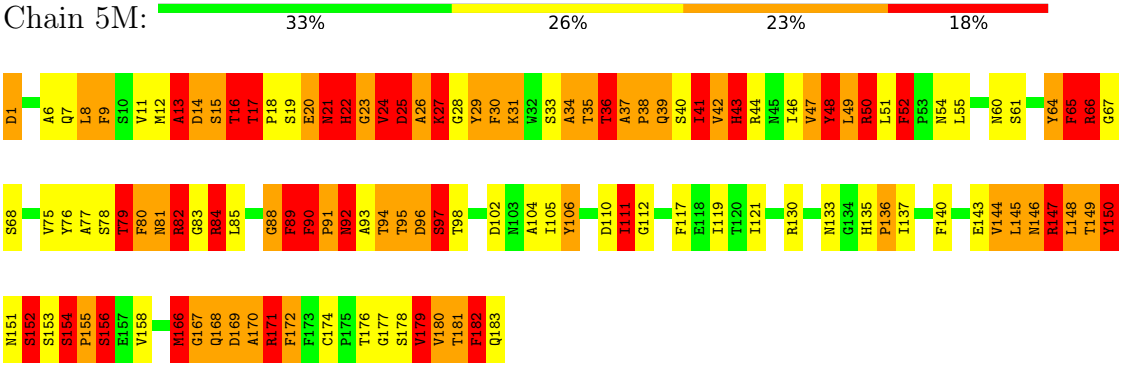
• Molecule 1: Capsid protein VP3

Chain 5I:



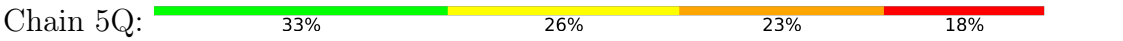
• Molecule 1: Capsid protein VP3

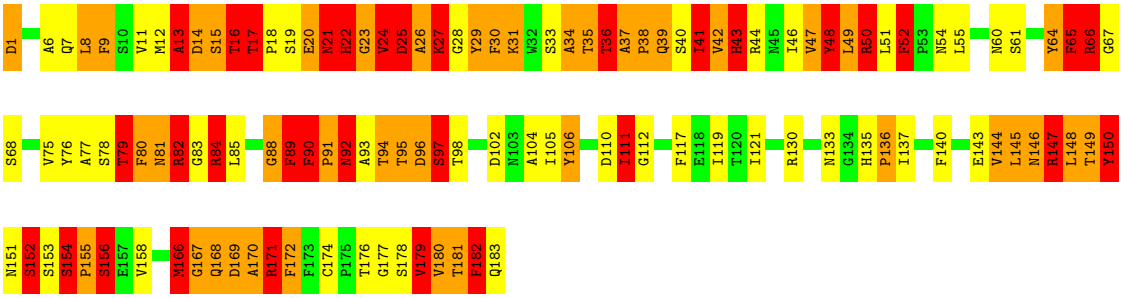
Chain 5M:



• Molecule 1: Capsid protein VP3

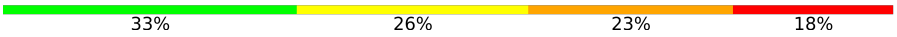
Chain 5Q:

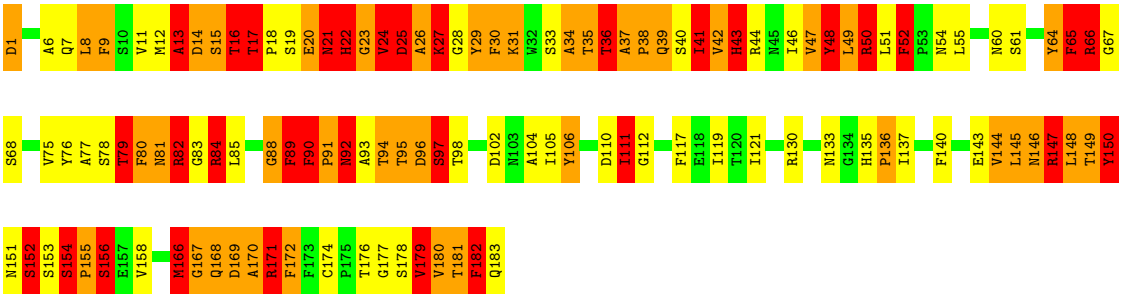




• Molecule 1: Capsid protein VP3

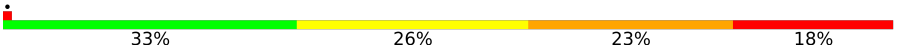
Chain 5U:

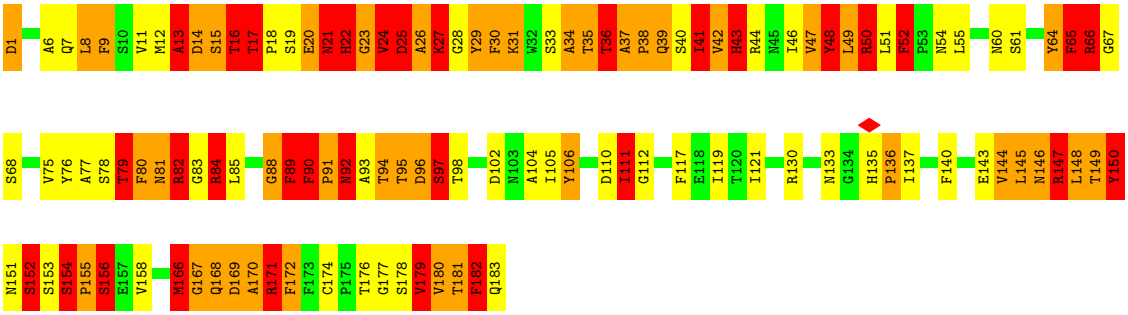




• Molecule 1: Capsid protein VP3

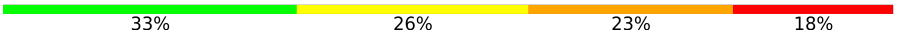
Chain 5Y:

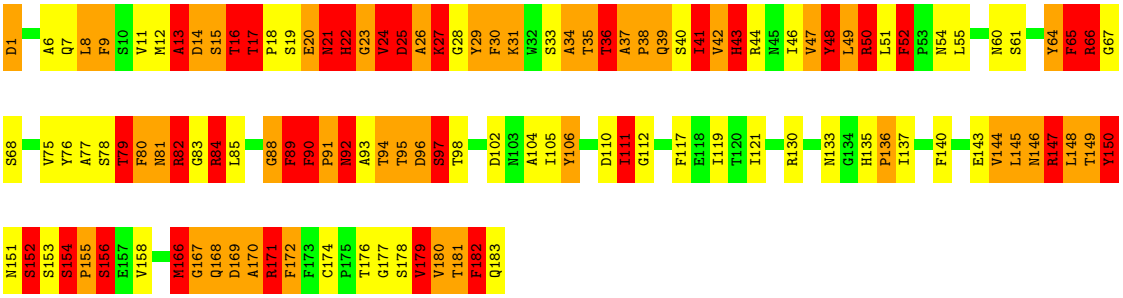




• Molecule 1: Capsid protein VP3

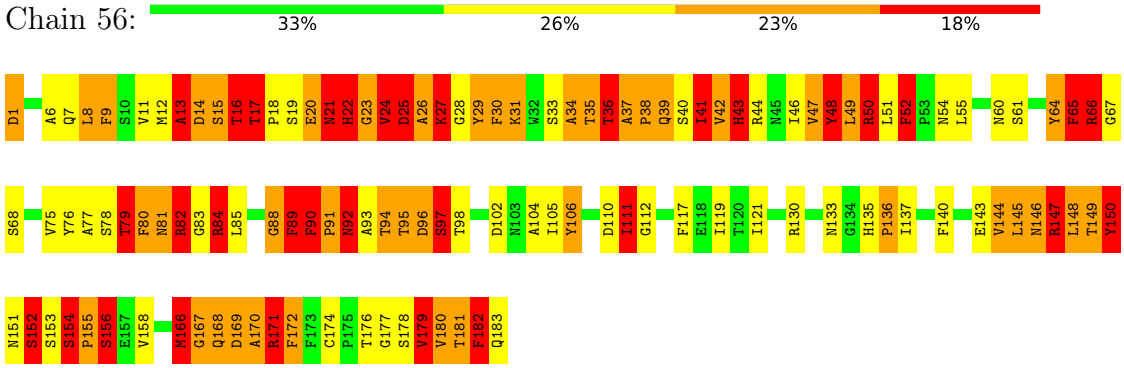
Chain 52:





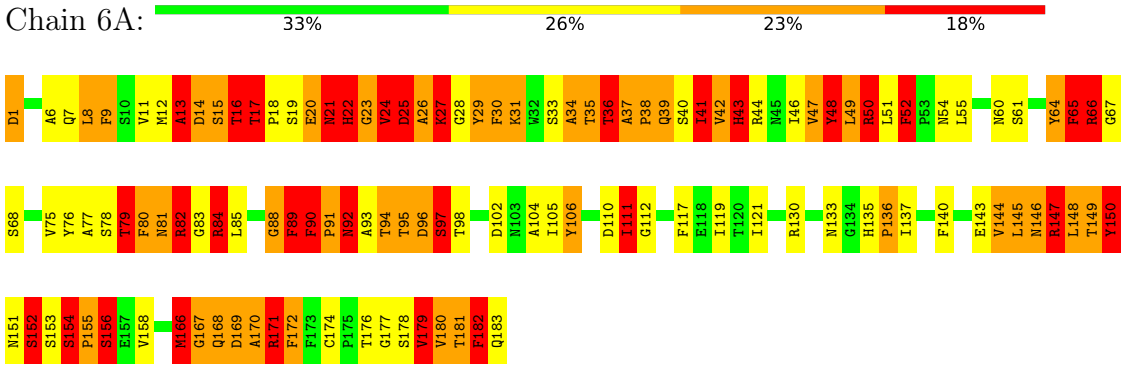
• Molecule 1: Capsid protein VP3

Chain 56:



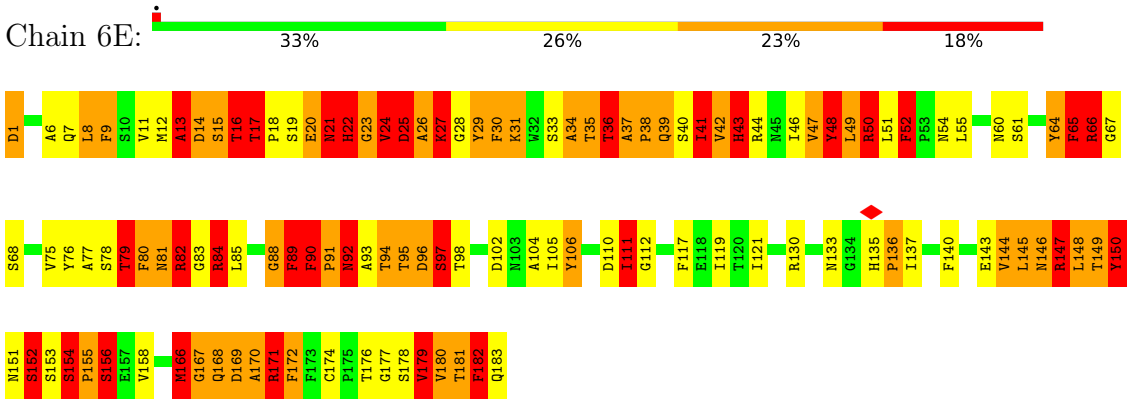
• Molecule 1: Capsid protein VP3

Chain 6A:



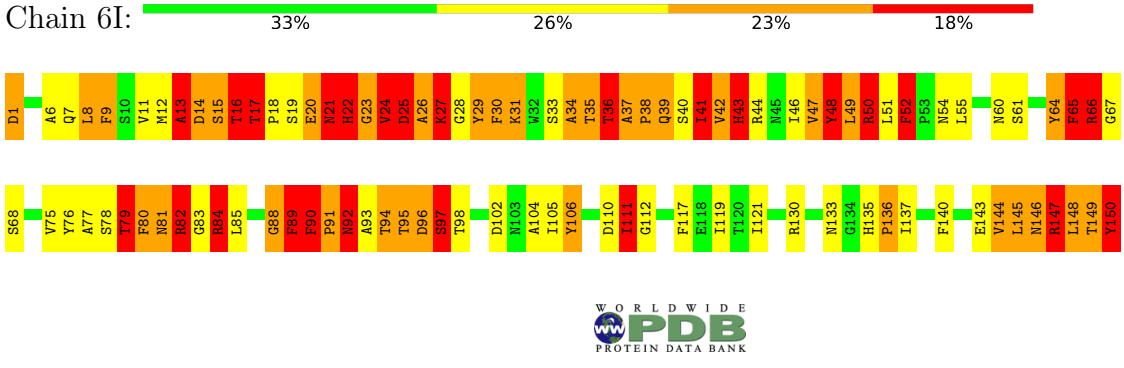
• Molecule 1: Capsid protein VP3

Chain 6E:



• Molecule 1: Capsid protein VP3

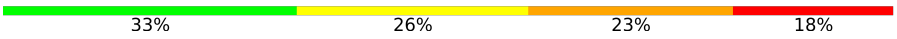
Chain 6I:

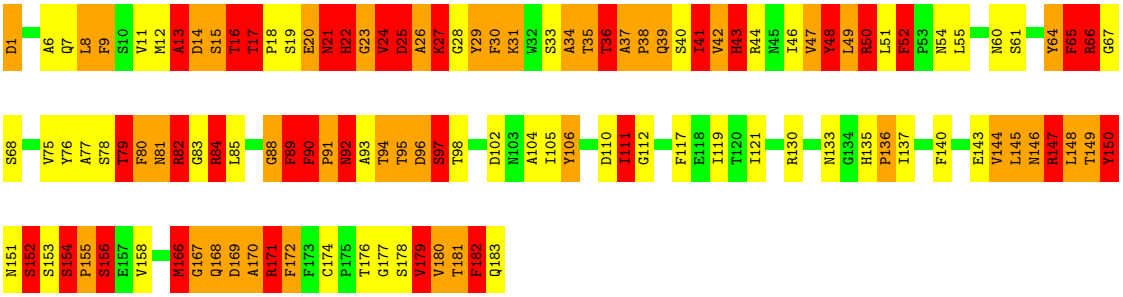




• Molecule 1: Capsid protein VP3

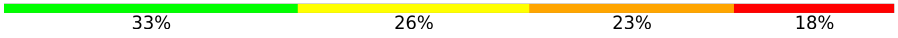
Chain 6M:

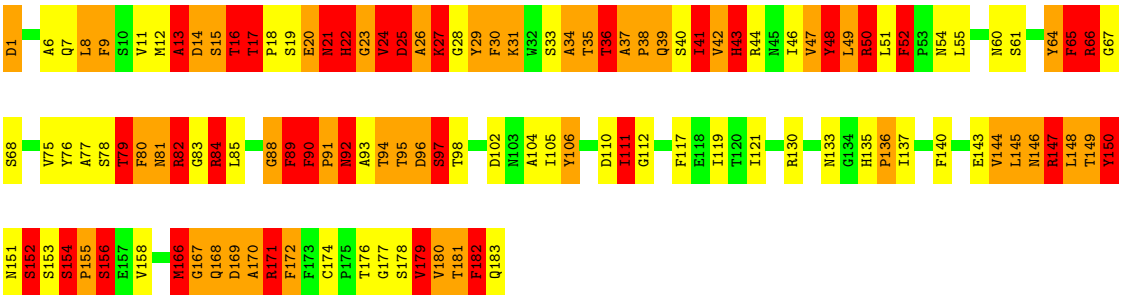




• Molecule 1: Capsid protein VP3

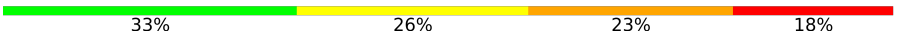
Chain 6Q:

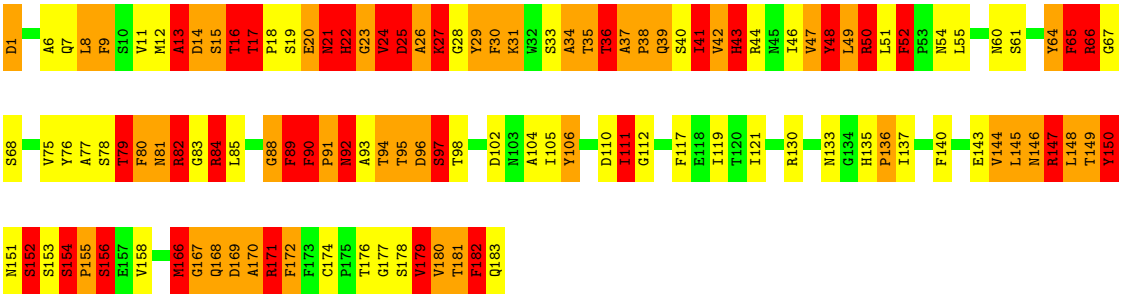




• Molecule 1: Capsid protein VP3

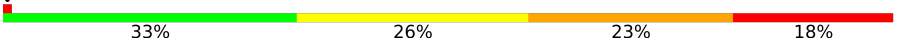
Chain 6U:

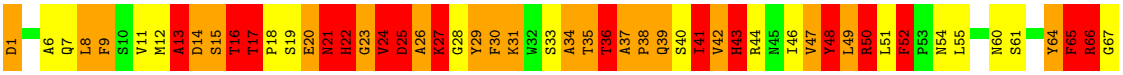


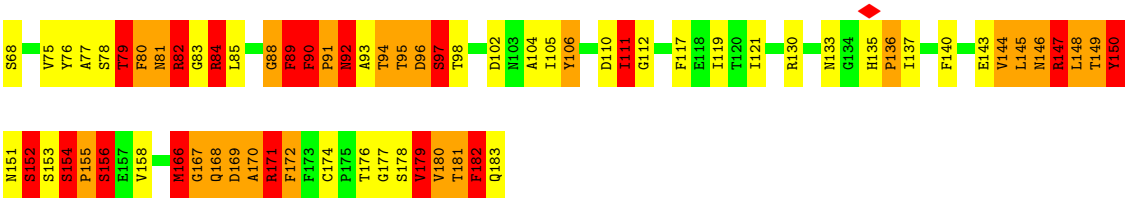


• Molecule 1: Capsid protein VP3

Chain 6Y:

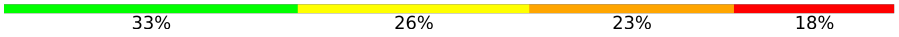


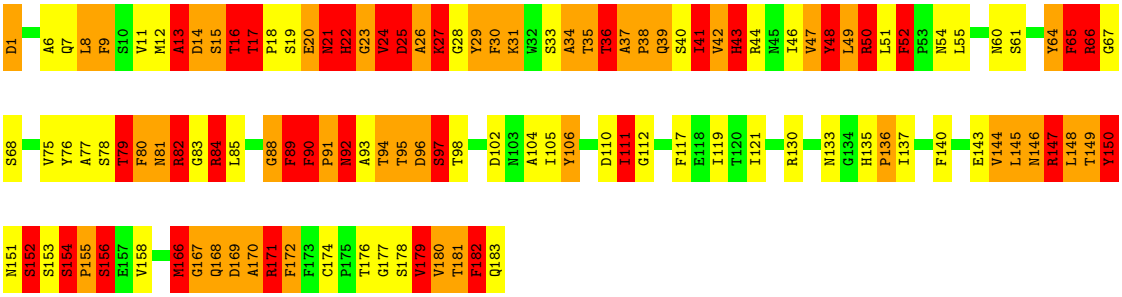




• Molecule 1: Capsid protein VP3

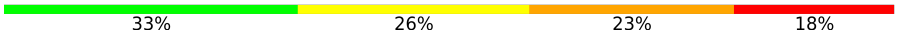
Chain 62:

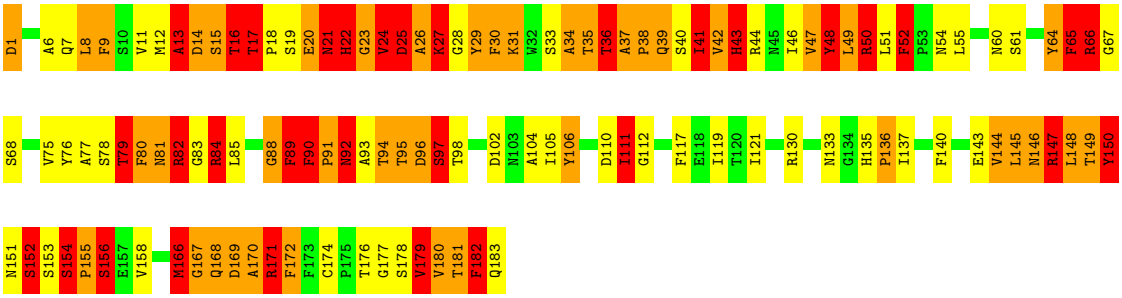




• Molecule 1: Capsid protein VP3

Chain 66:

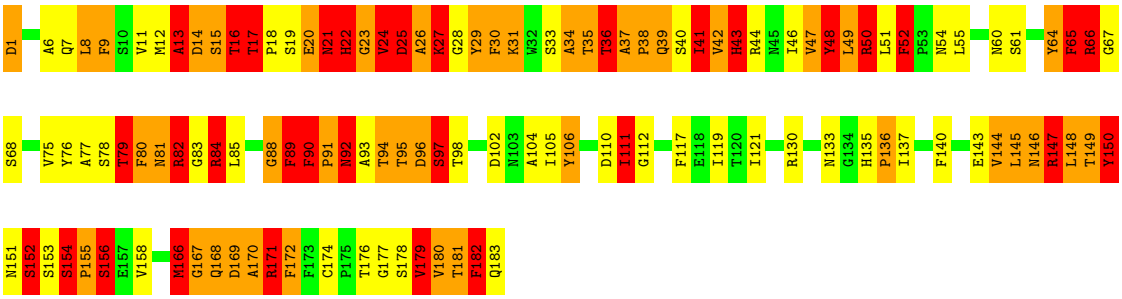




• Molecule 1: Capsid protein VP3

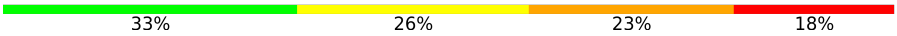
Chain 7A:

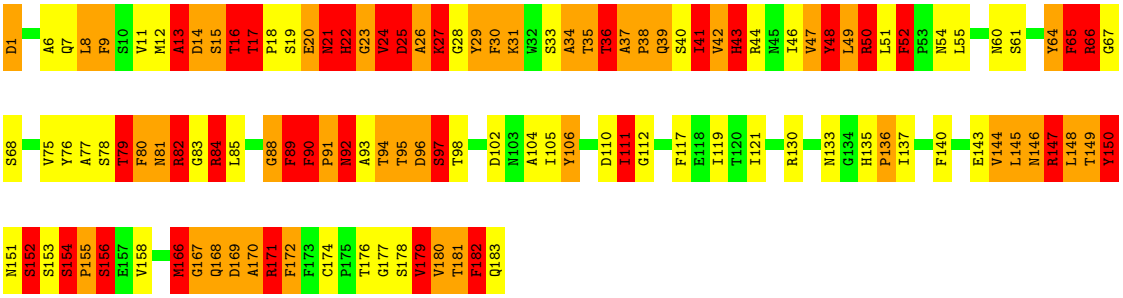




• Molecule 1: Capsid protein VP3

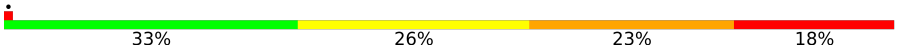
Chain 7E:

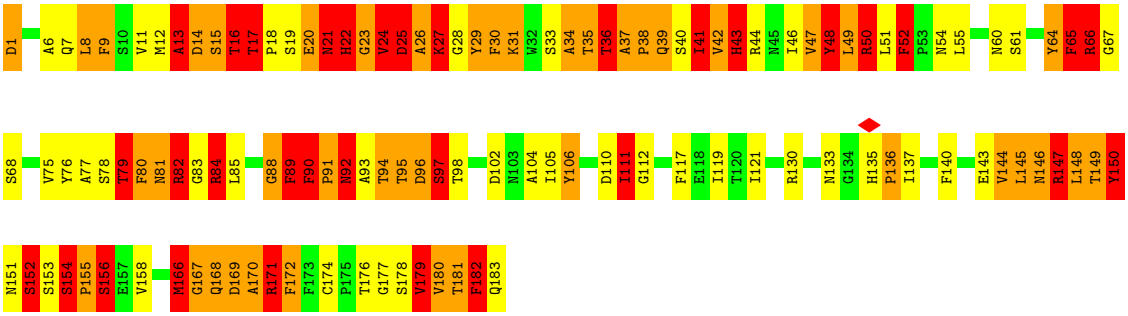




• Molecule 1: Capsid protein VP3

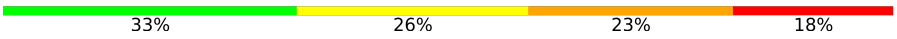
Chain 7I:

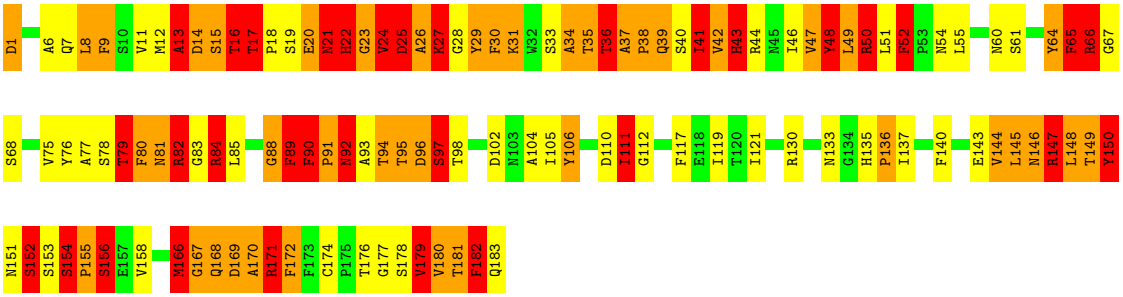




• Molecule 1: Capsid protein VP3

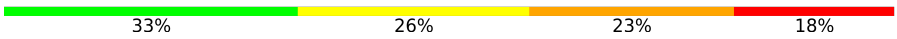
Chain 7M:

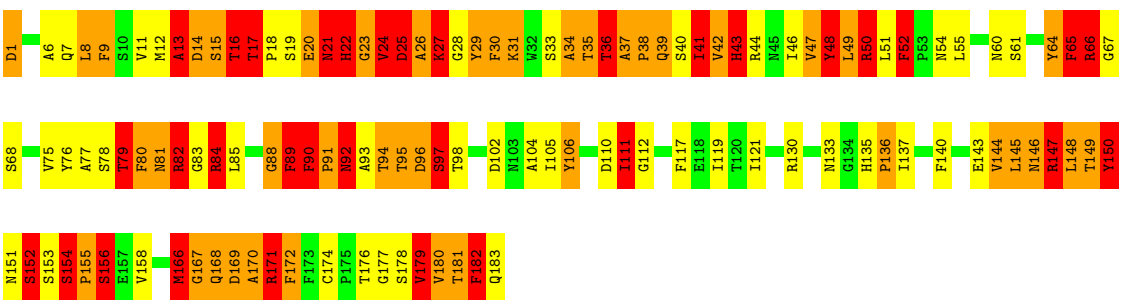




• Molecule 1: Capsid protein VP3

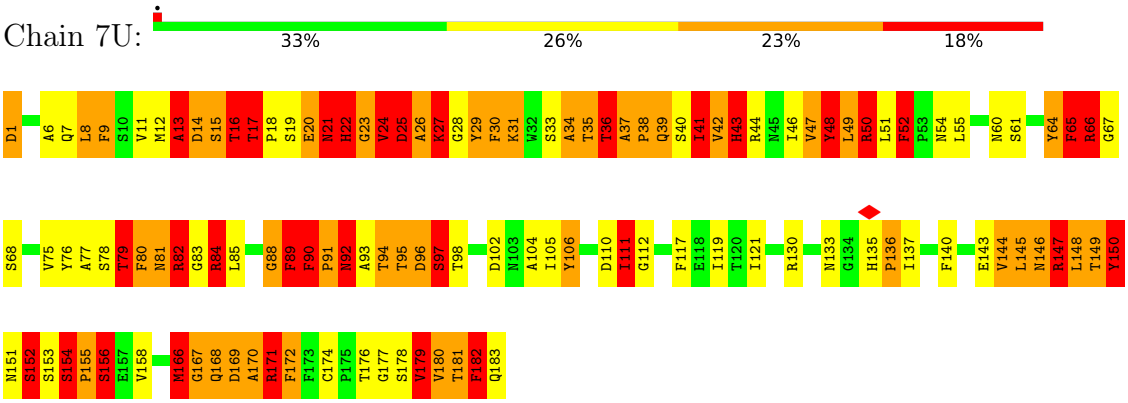
Chain 7Q:





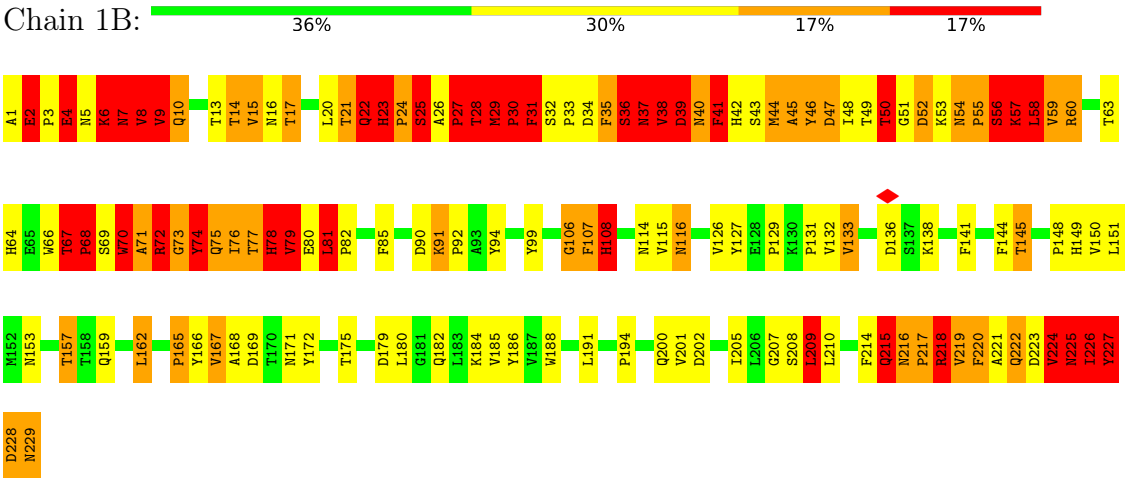
• Molecule 1: Capsid protein VP3

Chain 7U:



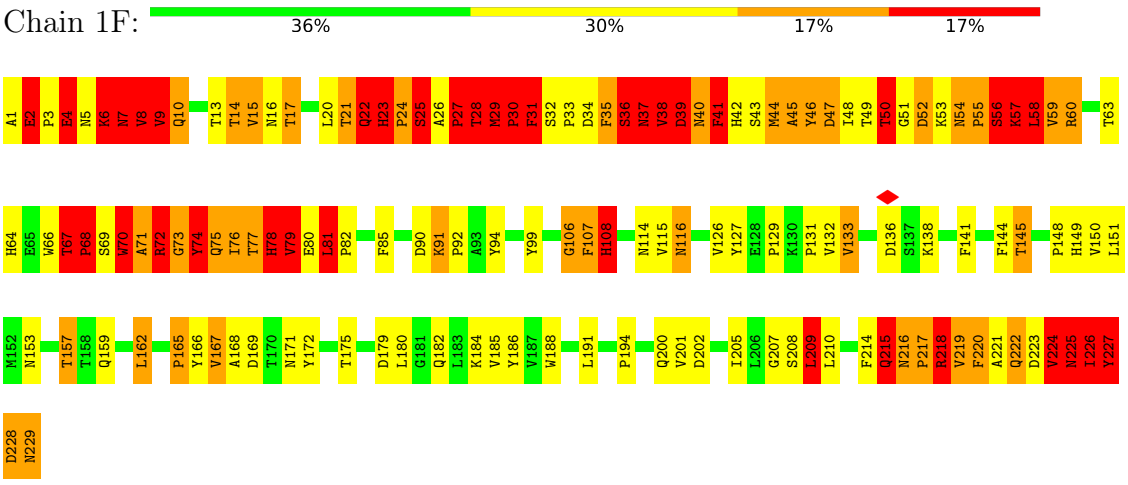
• Molecule 2: Capsid protein VP0

Chain 1B:



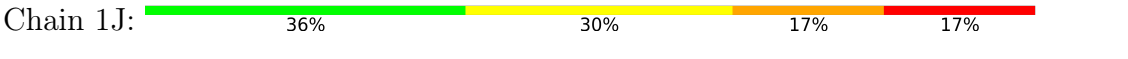
• Molecule 2: Capsid protein VP0

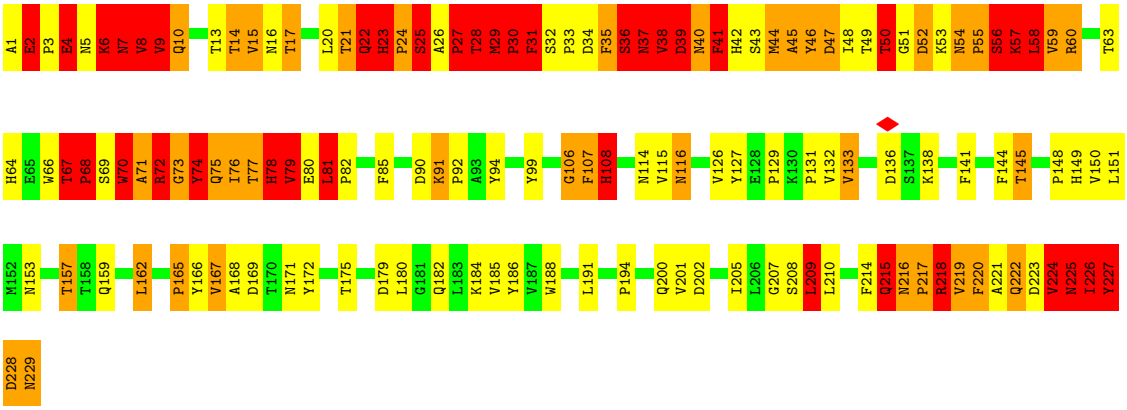
Chain 1F:



• Molecule 2: Capsid protein VP0

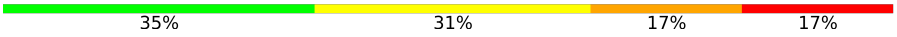
Chain 1J:

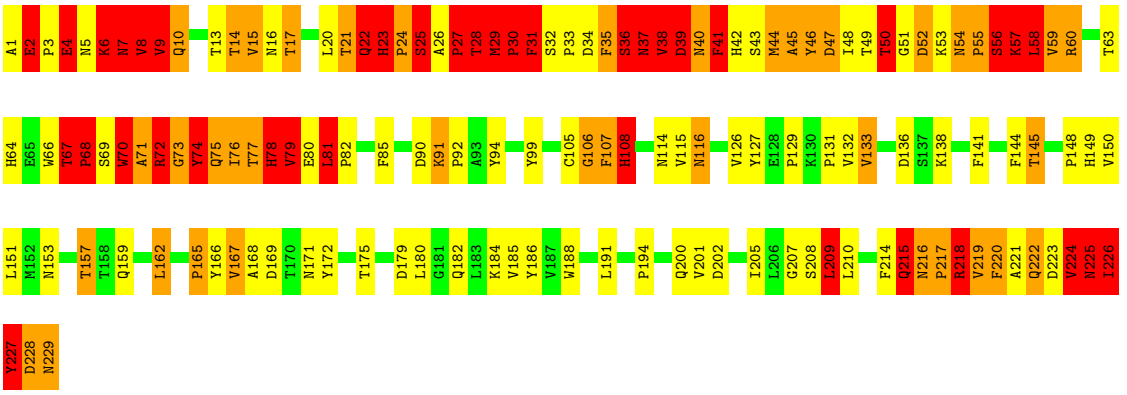




• Molecule 2: Capsid protein VP0

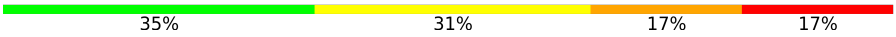
Chain 1N:

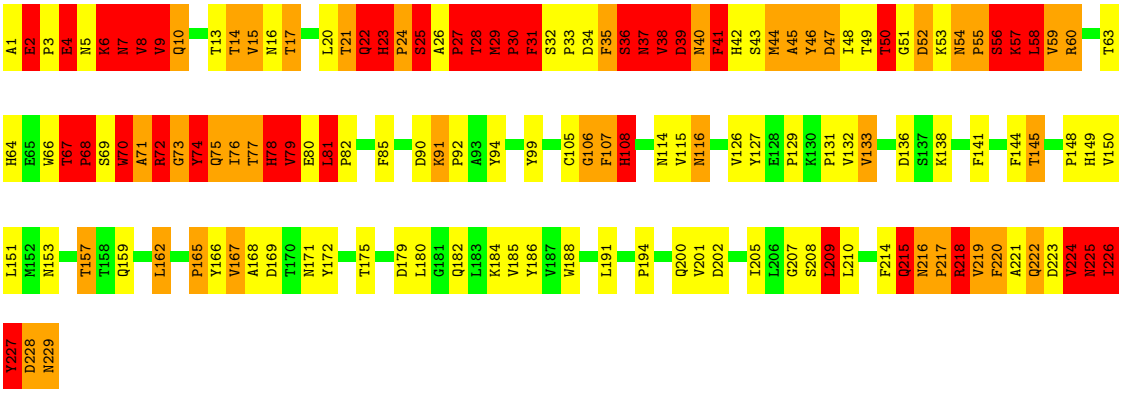




• Molecule 2: Capsid protein VP0

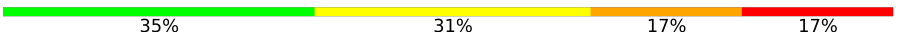
Chain 1R:

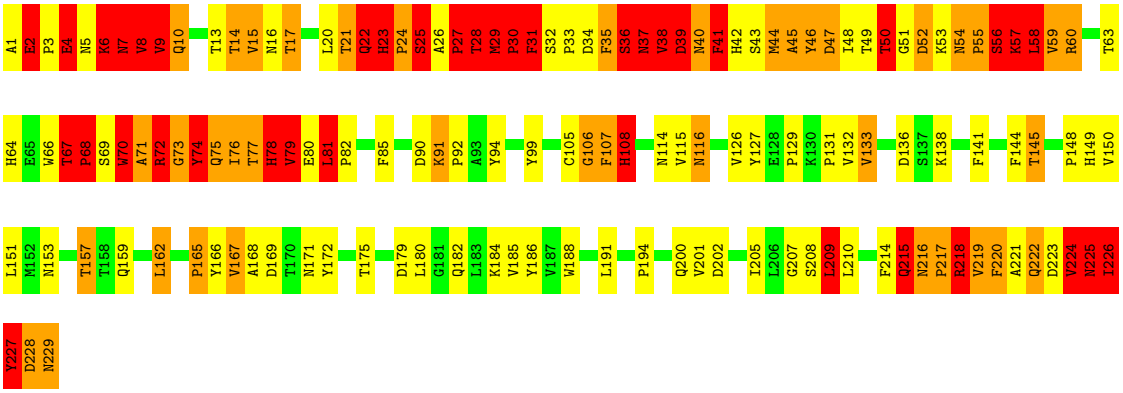




• Molecule 2: Capsid protein VP0

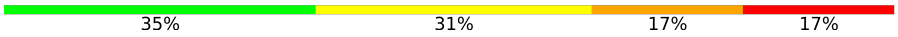
Chain 1V:

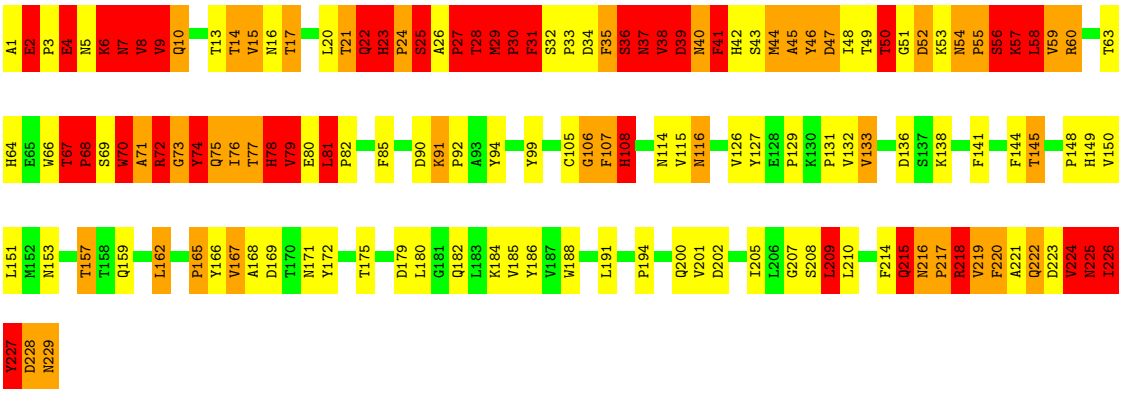




• Molecule 2: Capsid protein VP0

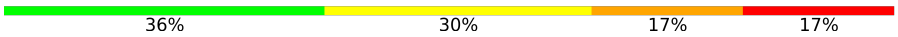
Chain 1Z:

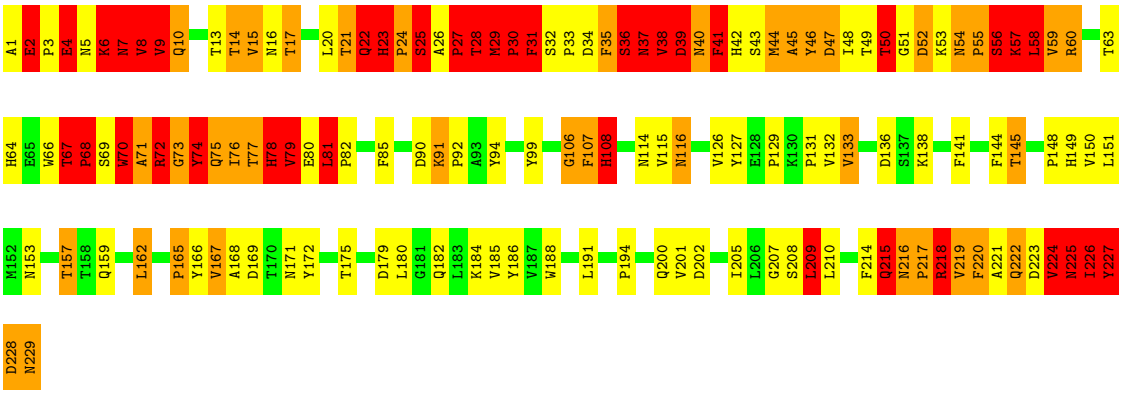




• Molecule 2: Capsid protein VP0

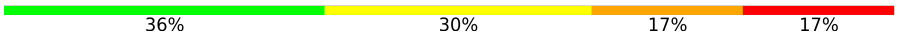
Chain 13:

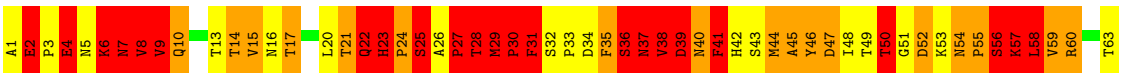


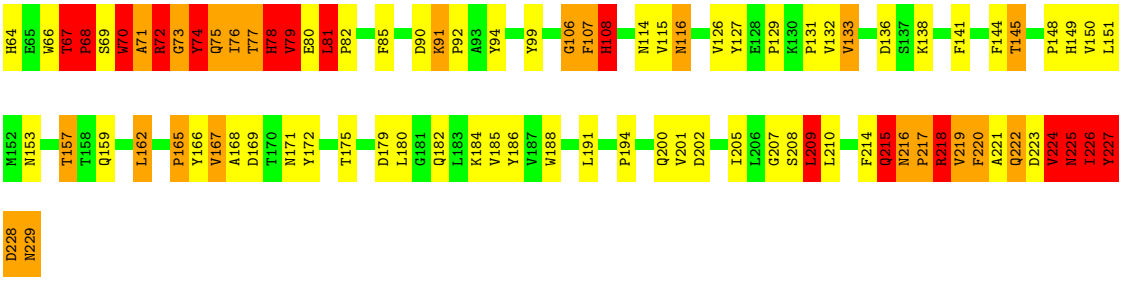


• Molecule 2: Capsid protein VP0

Chain 17:

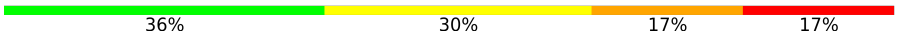


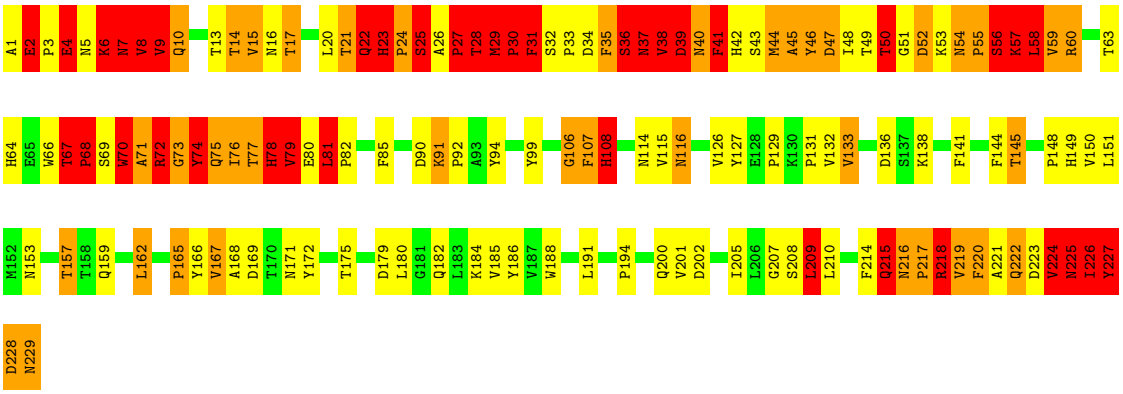




• Molecule 2: Capsid protein VP0

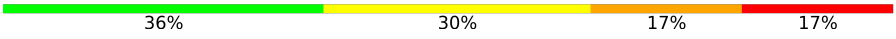
Chain 2B:

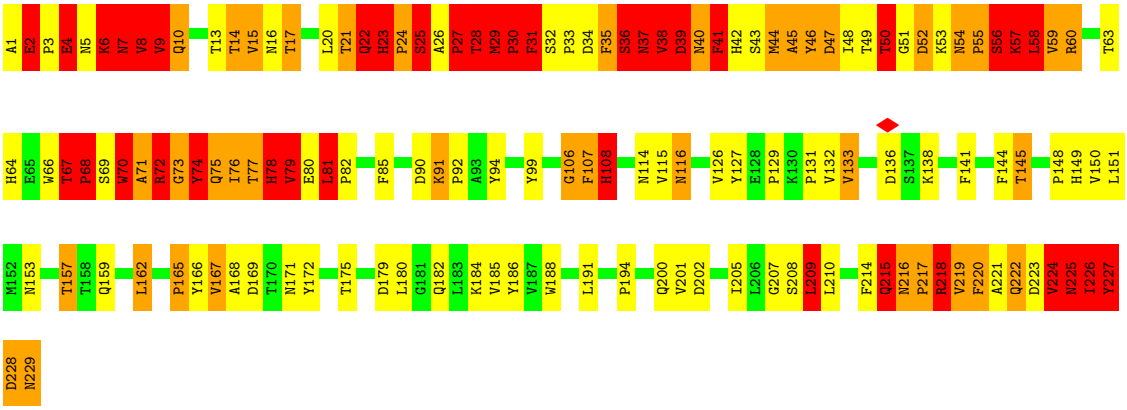




• Molecule 2: Capsid protein VP0

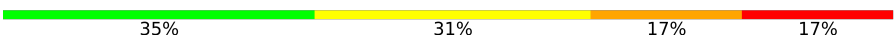
Chain 2F:

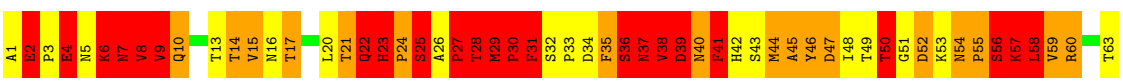


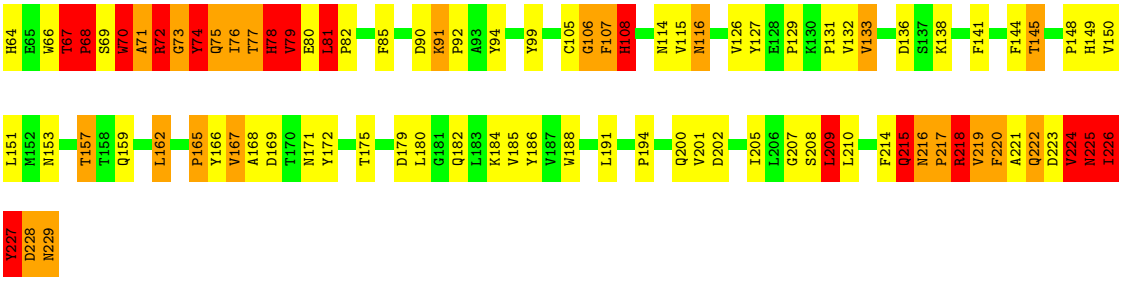


• Molecule 2: Capsid protein VP0

Chain 2J:

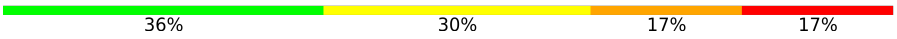


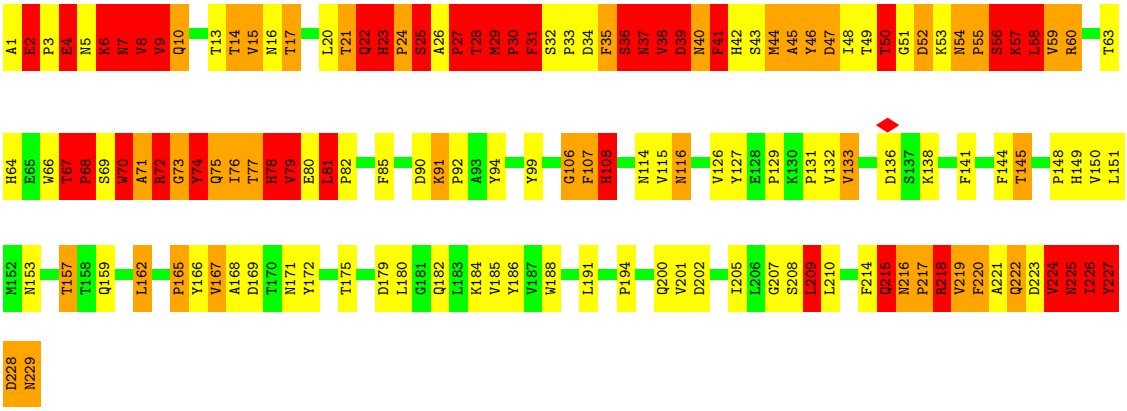




• Molecule 2: Capsid protein VP0

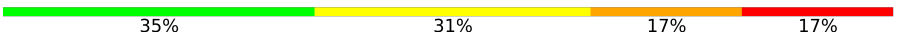
Chain 2N:

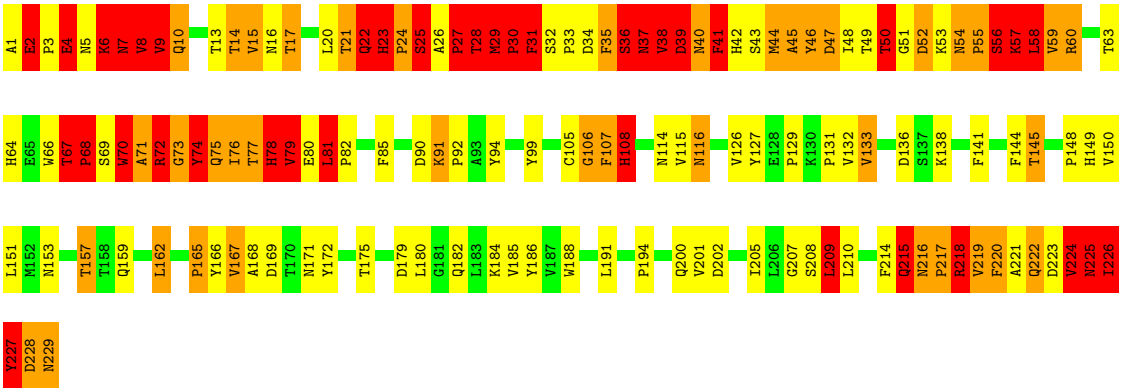




• Molecule 2: Capsid protein VP0

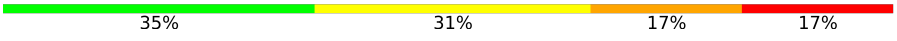
Chain 2R:



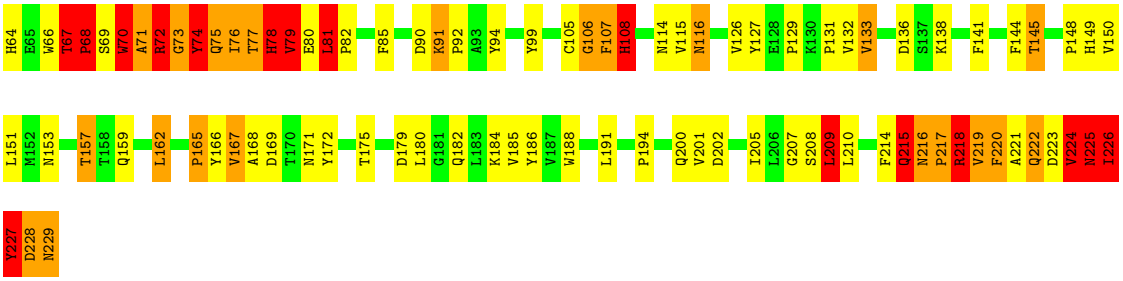


• Molecule 2: Capsid protein VP0

Chain 2V:

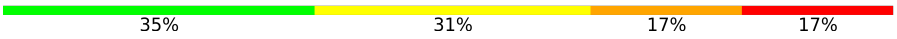


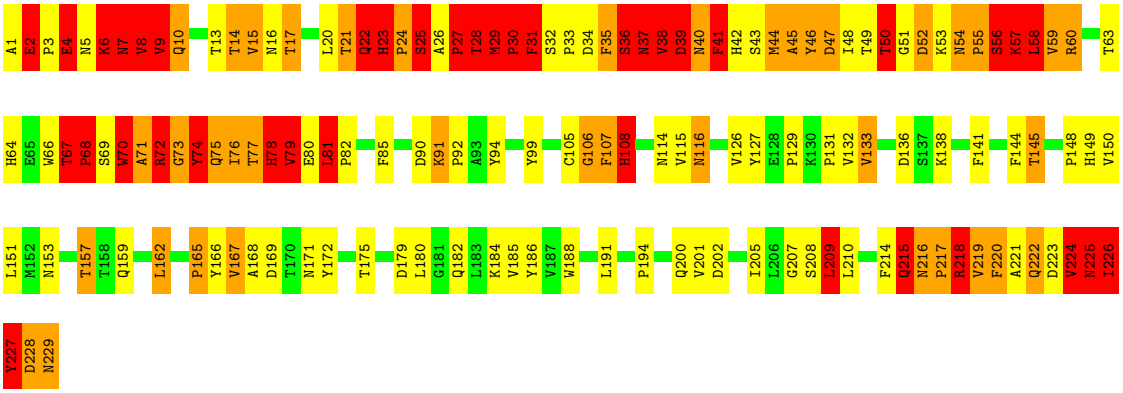




• Molecule 2: Capsid protein VP0

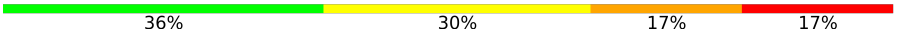
Chain 2Z:

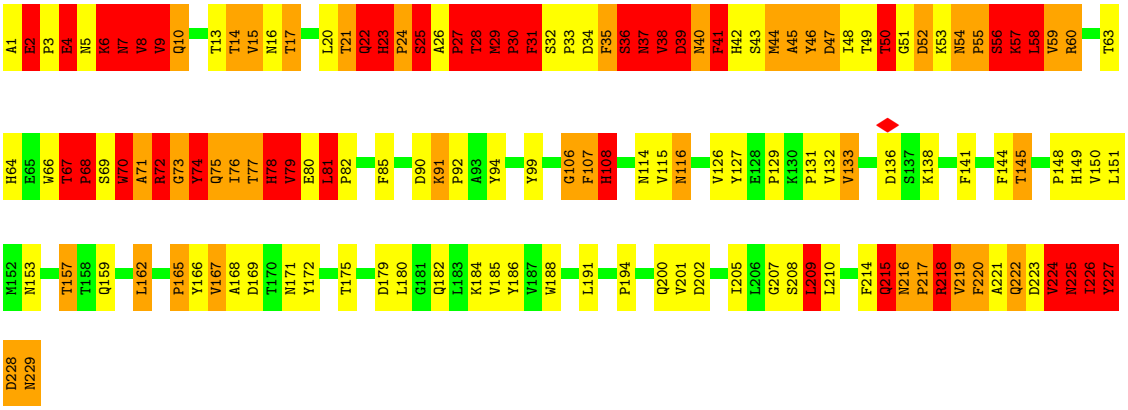




• Molecule 2: Capsid protein VP0

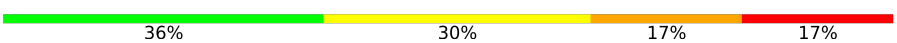
Chain 23:

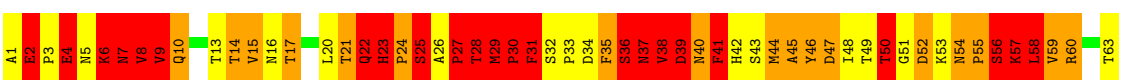


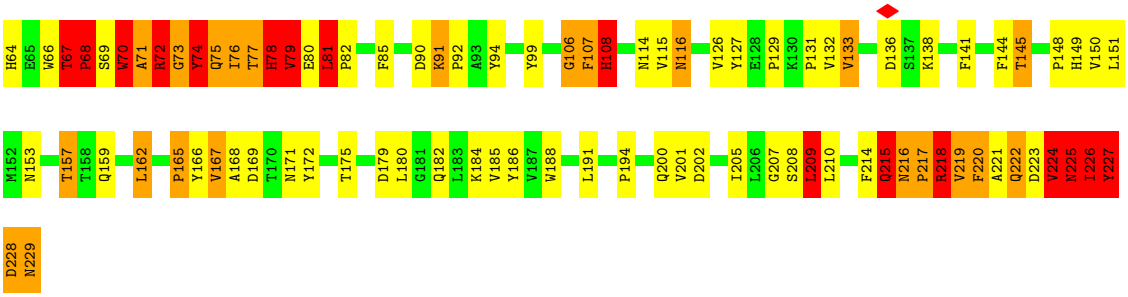


• Molecule 2: Capsid protein VP0

Chain 27:

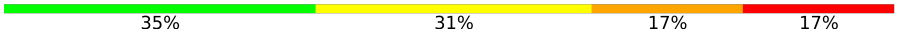


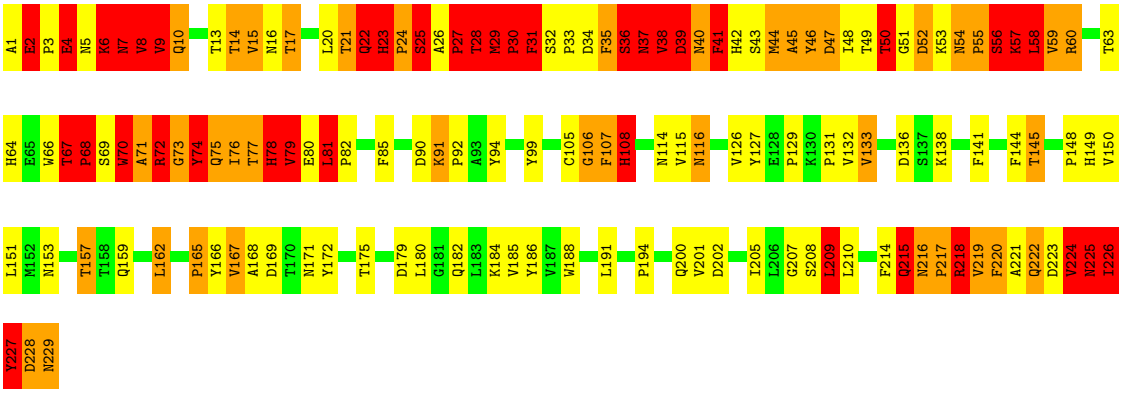




• Molecule 2: Capsid protein VP0

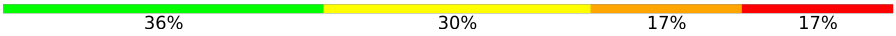
Chain 3B:

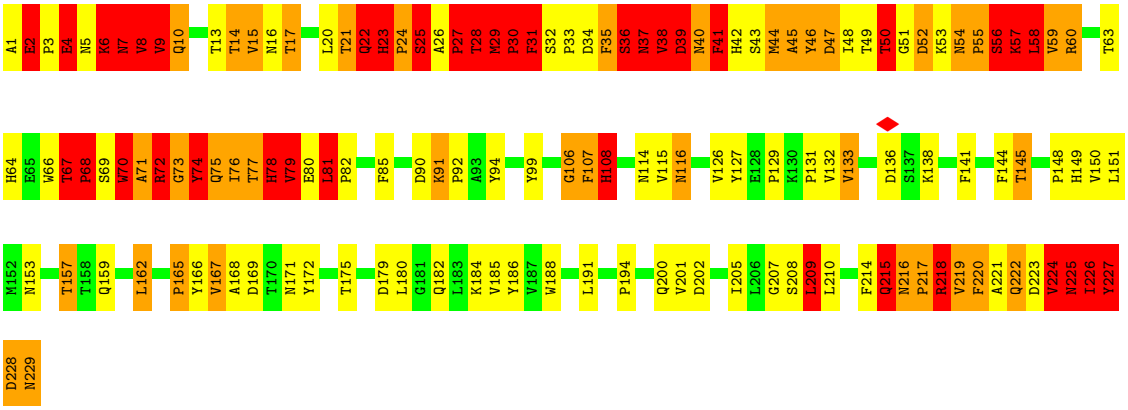




• Molecule 2: Capsid protein VP0

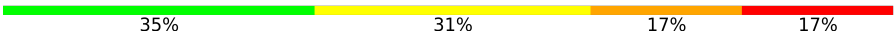
Chain 3F:

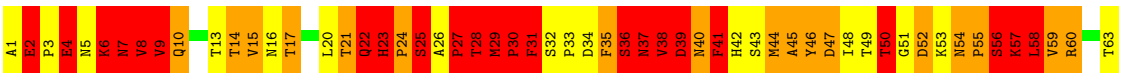


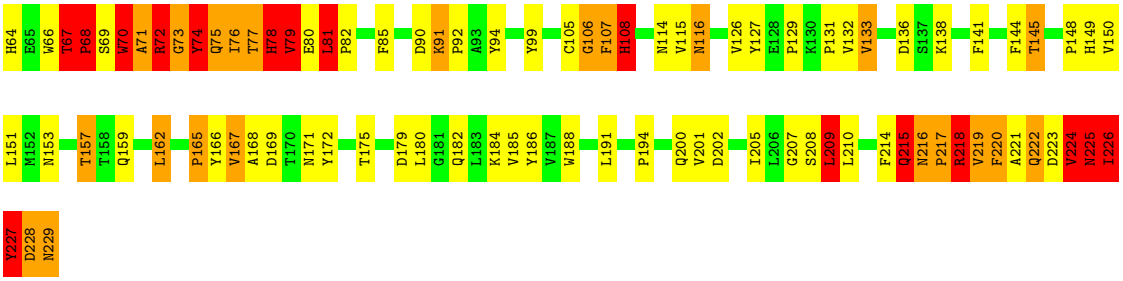


• Molecule 2: Capsid protein VP0

Chain 3J:

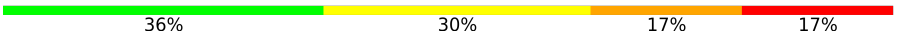


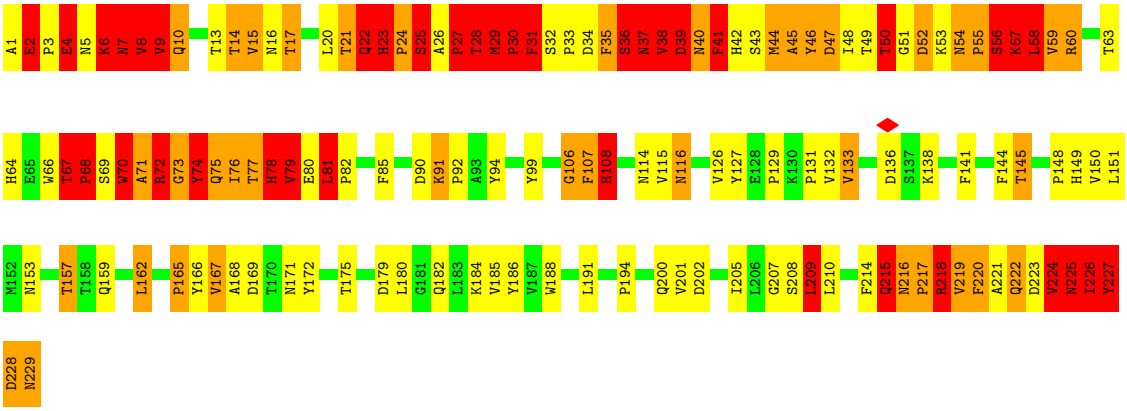




• Molecule 2: Capsid protein VP0

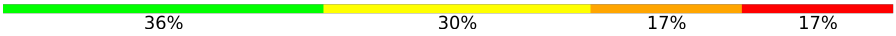
Chain 3N:

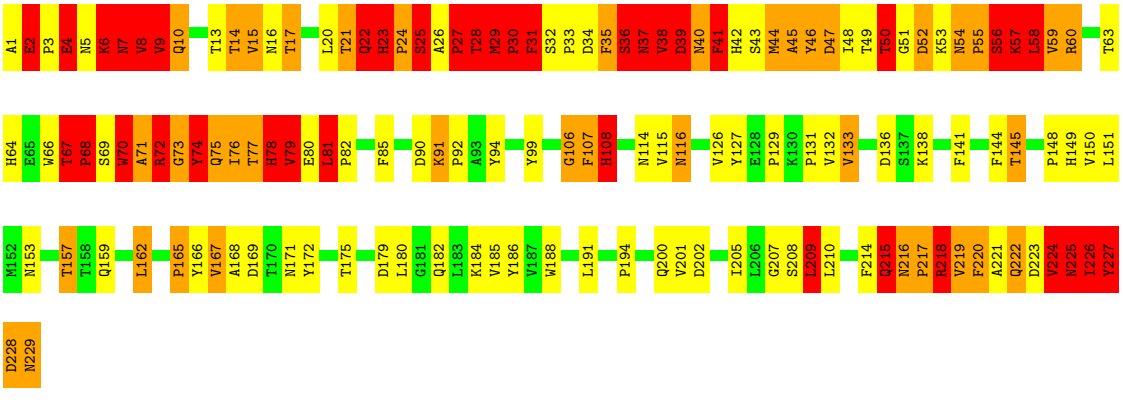




• Molecule 2: Capsid protein VP0

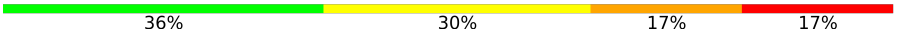
Chain 3R:



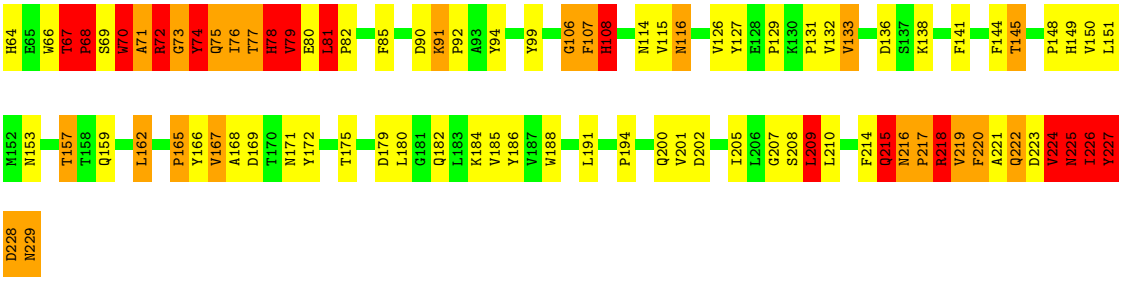


• Molecule 2: Capsid protein VP0

Chain 3V:

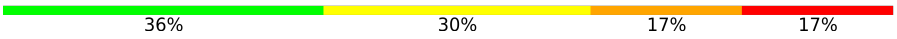


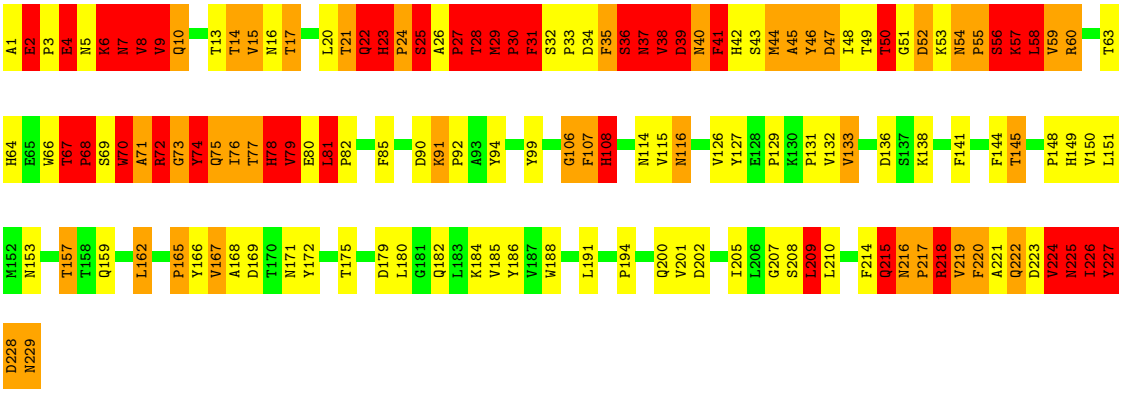




• Molecule 2: Capsid protein VP0

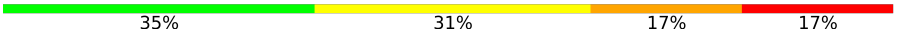
Chain 3Z:

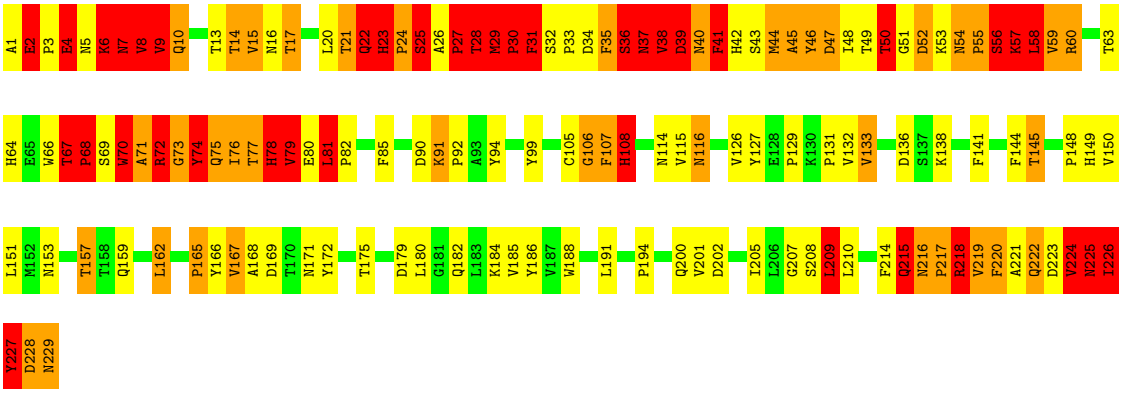




• Molecule 2: Capsid protein VP0

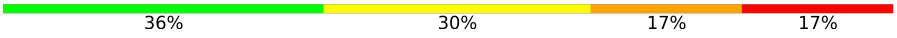
Chain 33:



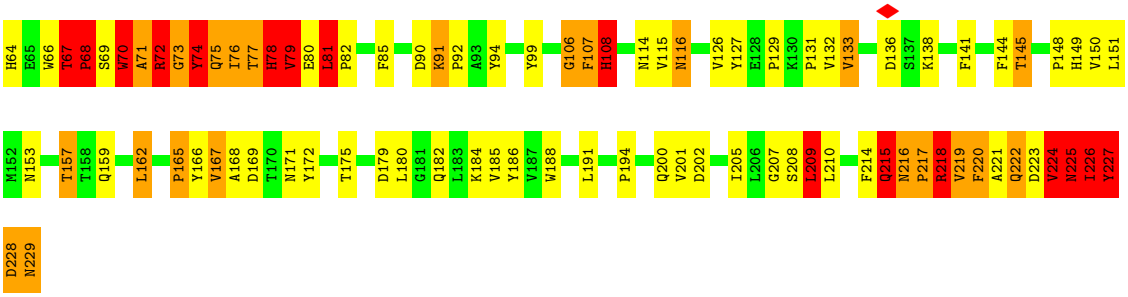


• Molecule 2: Capsid protein VP0

Chain 37:

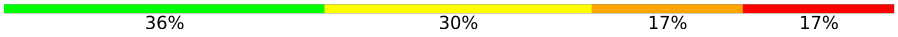


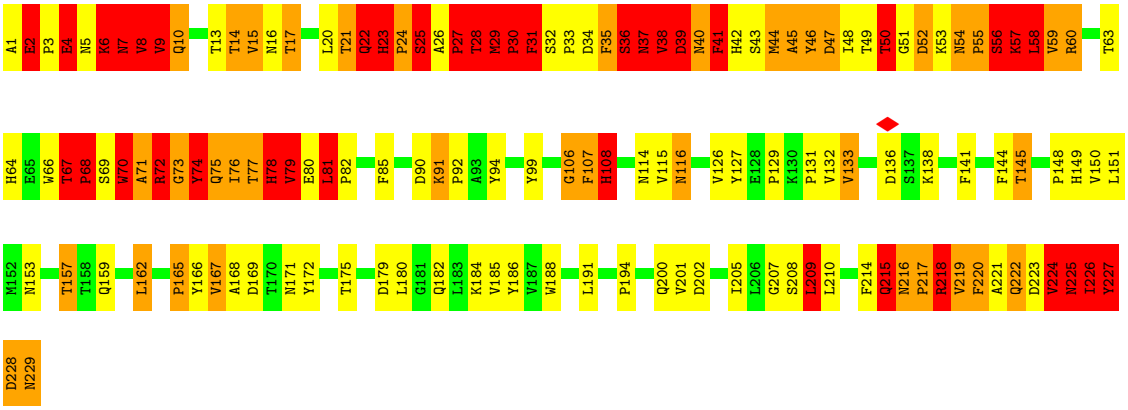




• Molecule 2: Capsid protein VP0

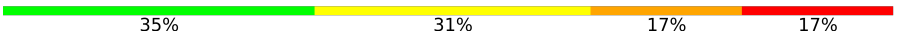
Chain 4B:

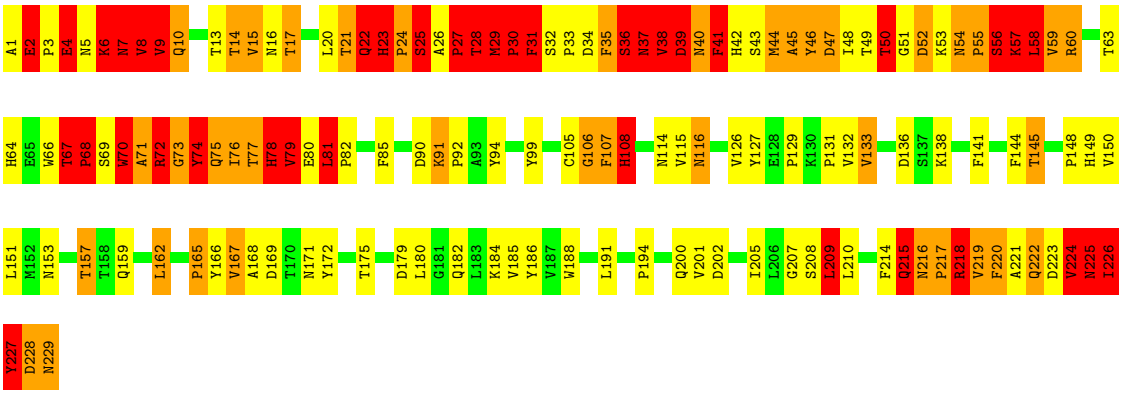




• Molecule 2: Capsid protein VP0

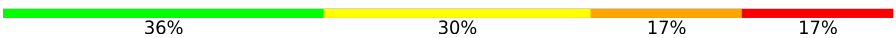
Chain 4F:



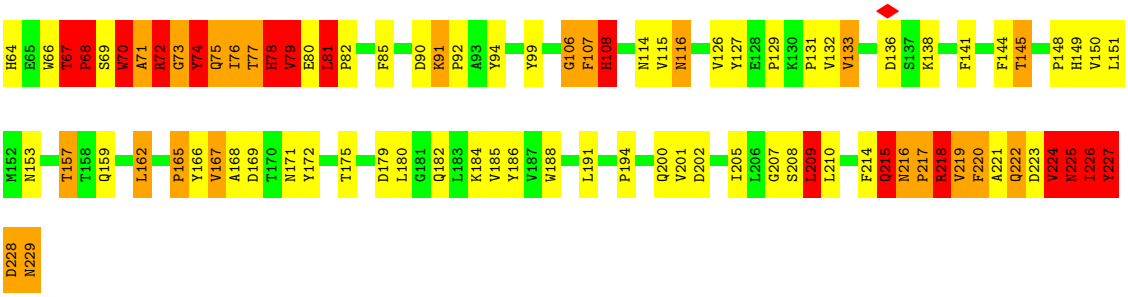


• Molecule 2: Capsid protein VP0

Chain 4J:

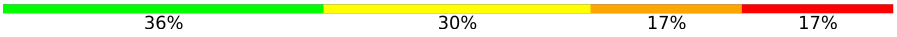


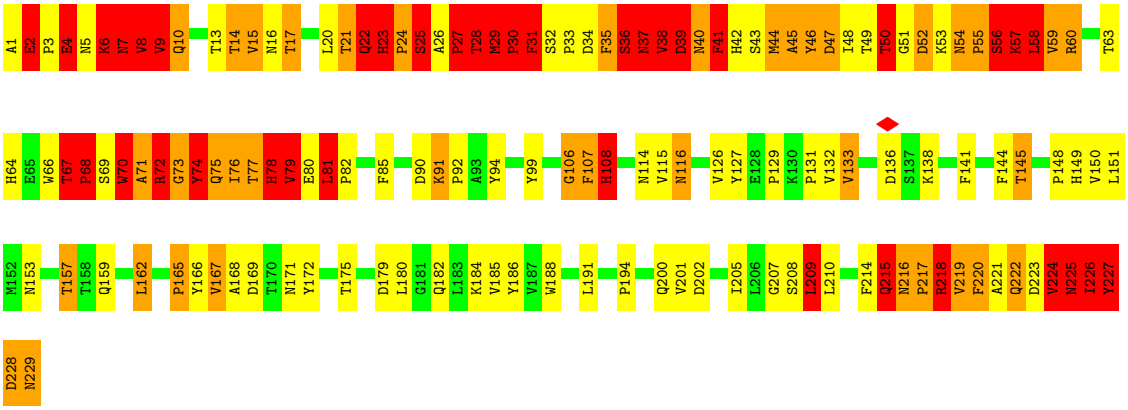




• Molecule 2: Capsid protein VP0

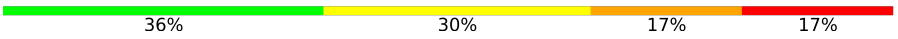
Chain 4N:

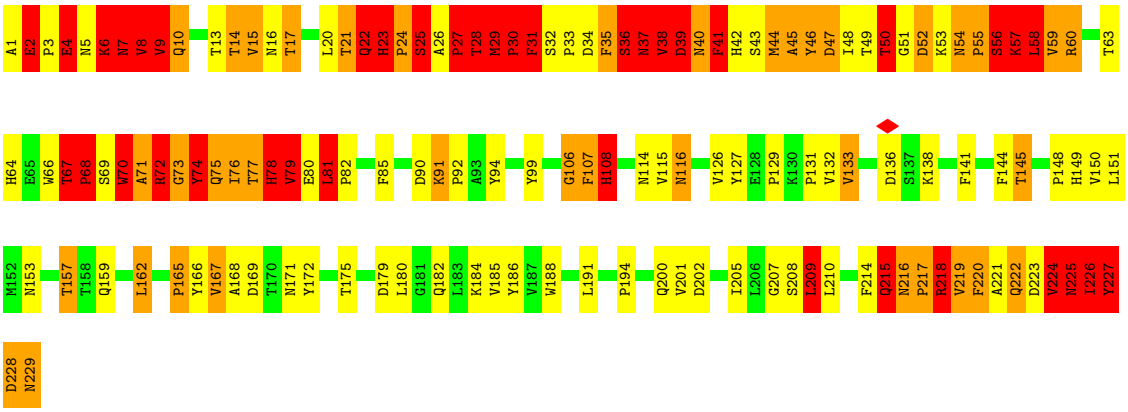




• Molecule 2: Capsid protein VP0

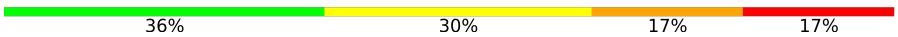
Chain 4R:

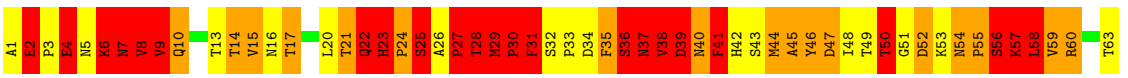


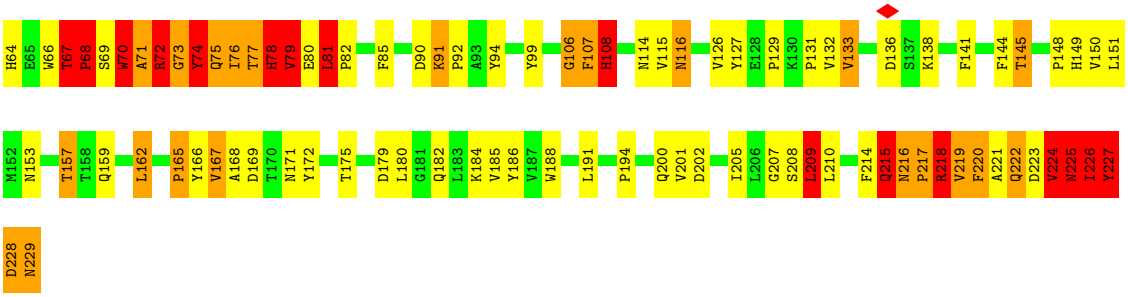


• Molecule 2: Capsid protein VP0

Chain 4V:

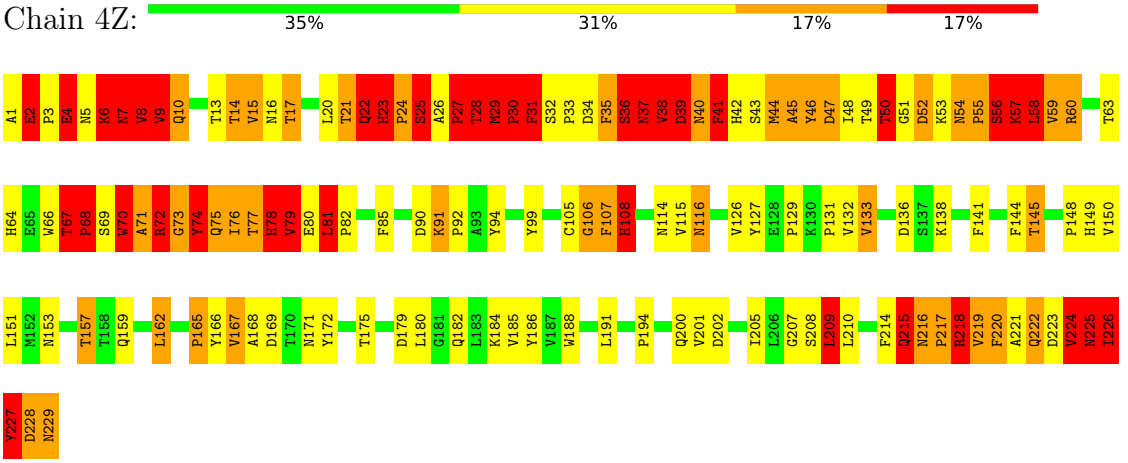






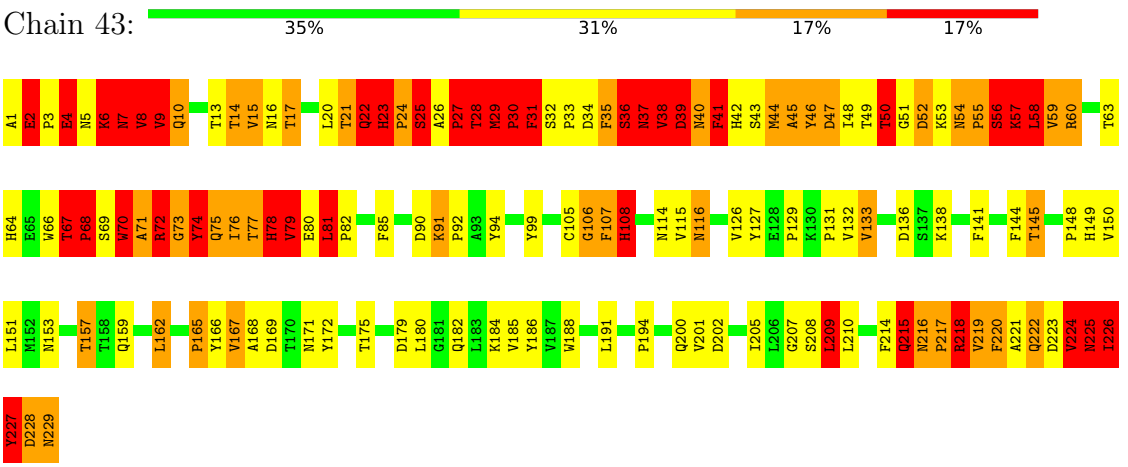
• Molecule 2: Capsid protein VP0

Chain 4Z:



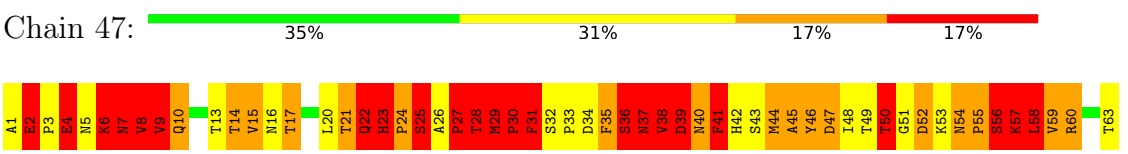
• Molecule 2: Capsid protein VP0

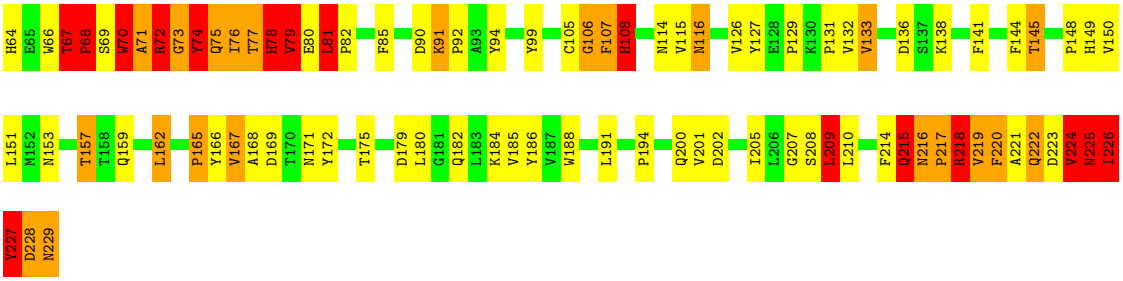
Chain 43:



• Molecule 2: Capsid protein VP0

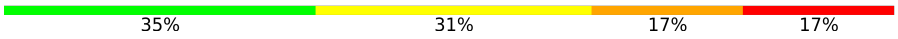
Chain 47:

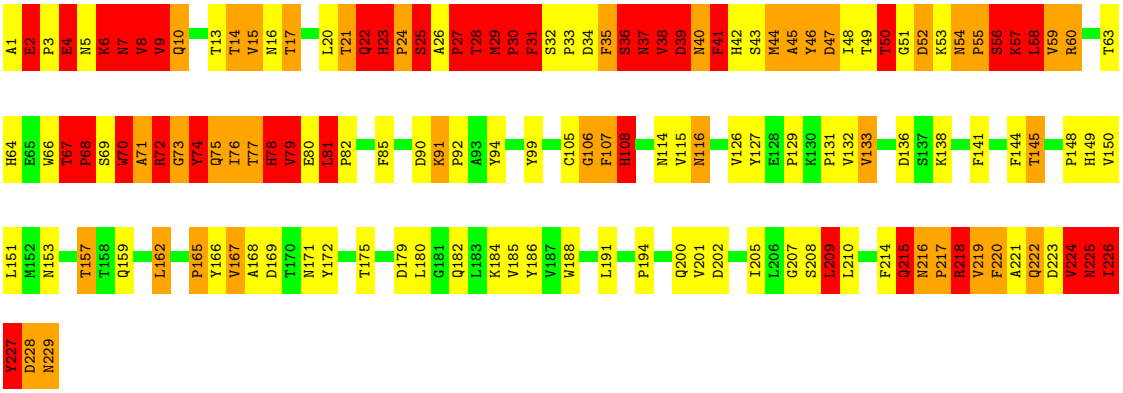




• Molecule 2: Capsid protein VP0

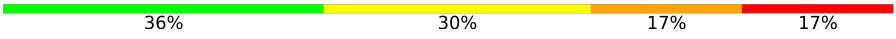
Chain 5B:

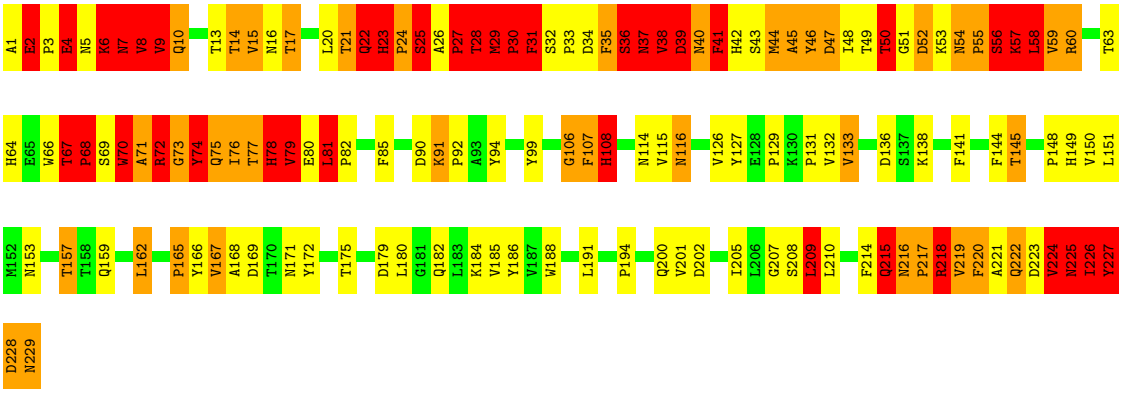




• Molecule 2: Capsid protein VP0

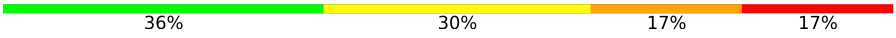
Chain 5F:

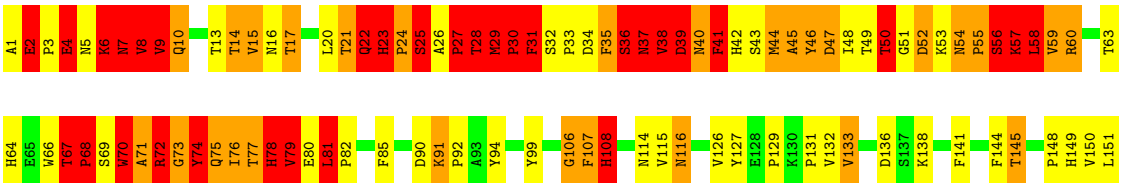


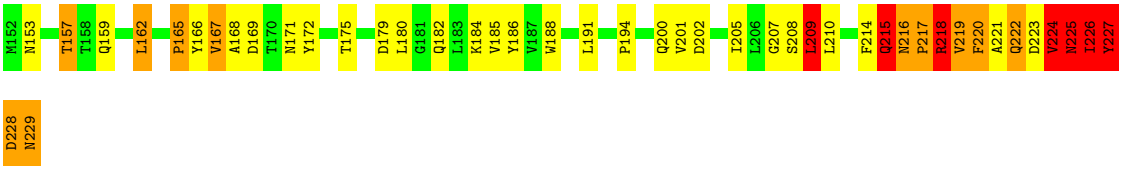


• Molecule 2: Capsid protein VP0

Chain 5J:

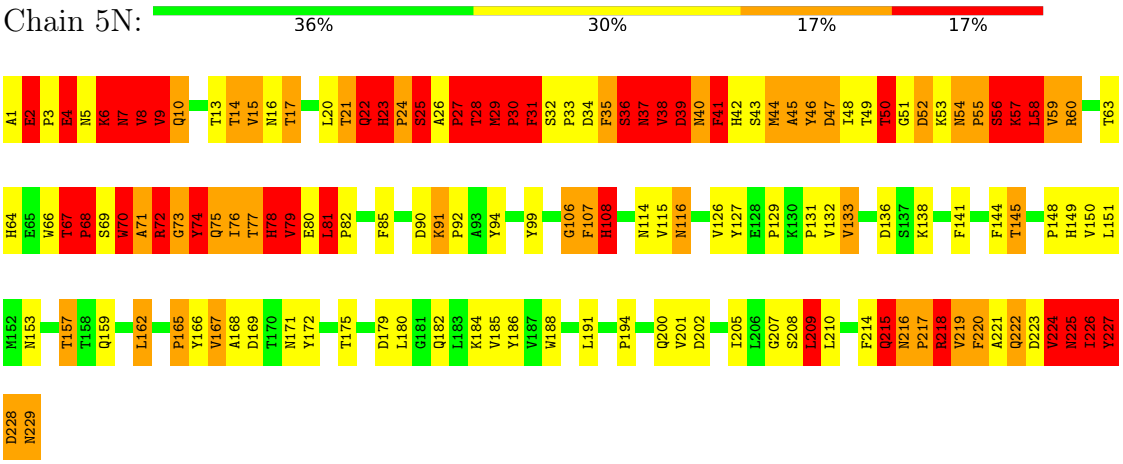






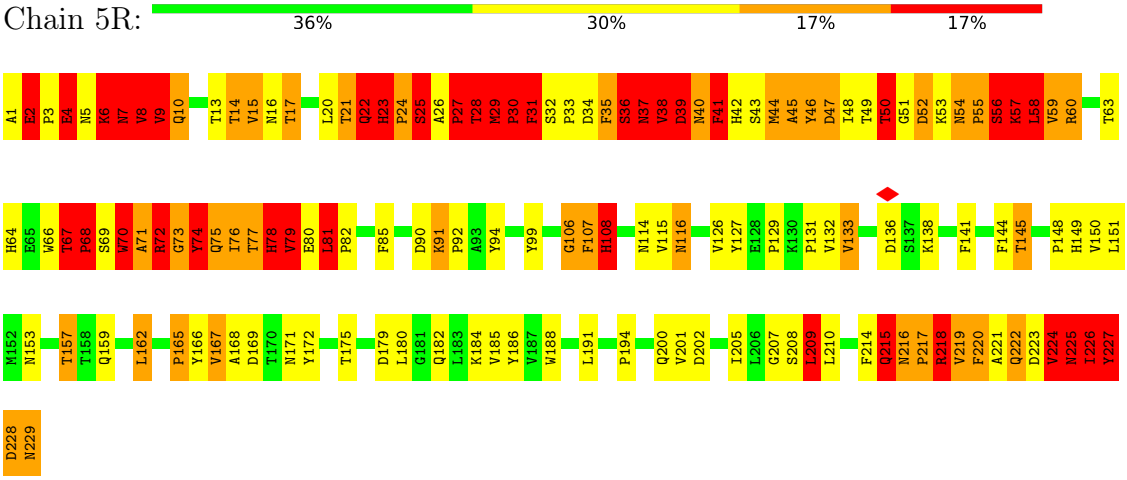
• Molecule 2: Capsid protein VP0

Chain 5N:



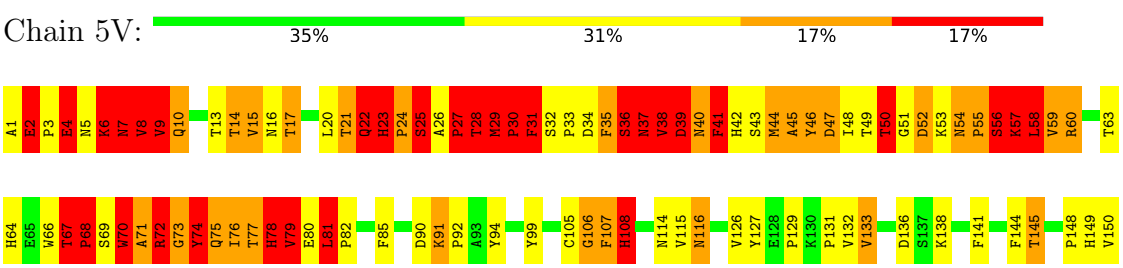
• Molecule 2: Capsid protein VP0

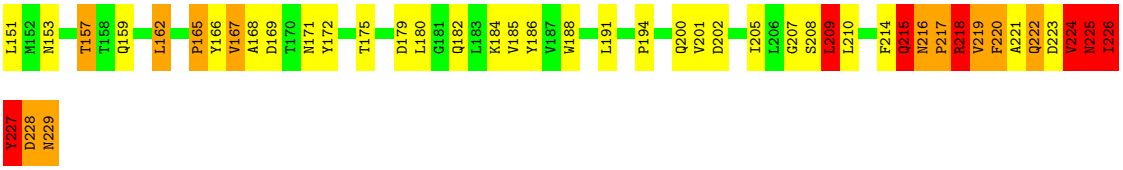
Chain 5R:



• Molecule 2: Capsid protein VP0

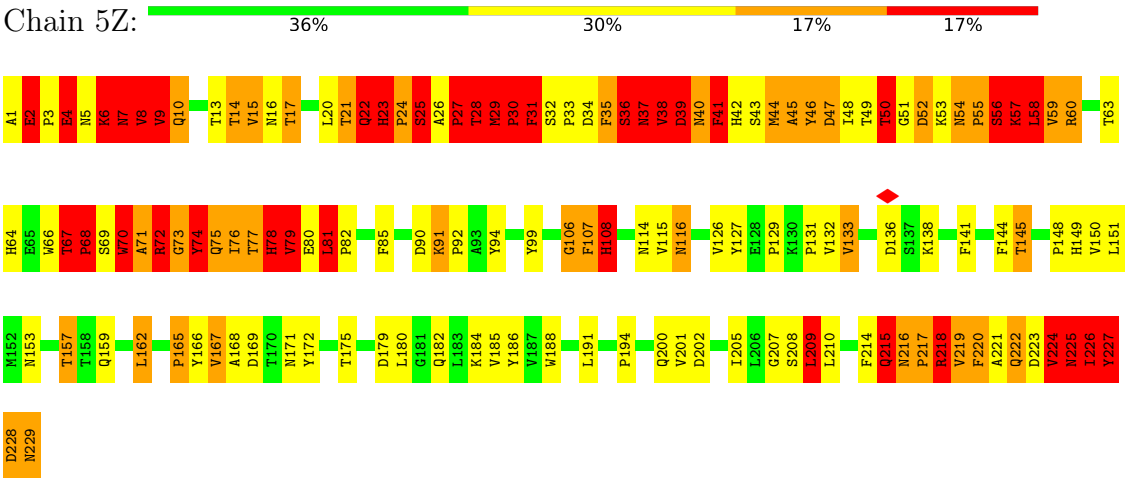
Chain 5V:





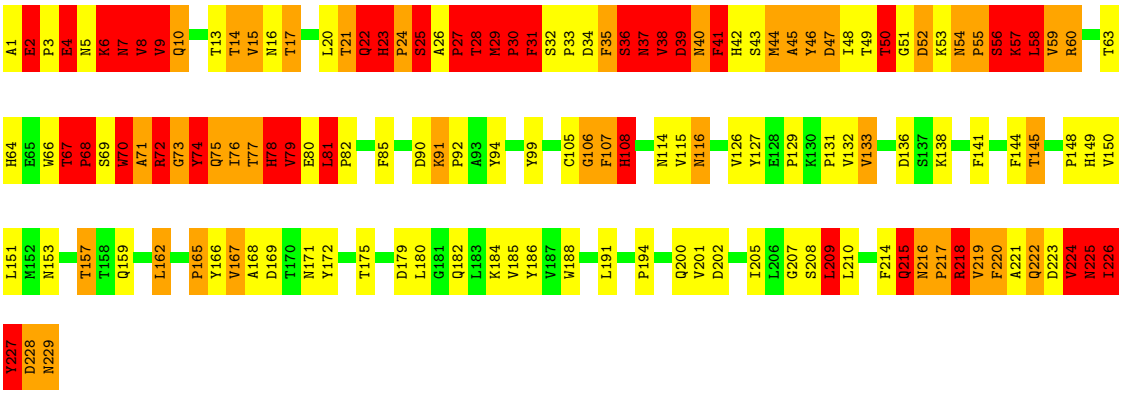
• Molecule 2: Capsid protein VP0

Chain 5Z:



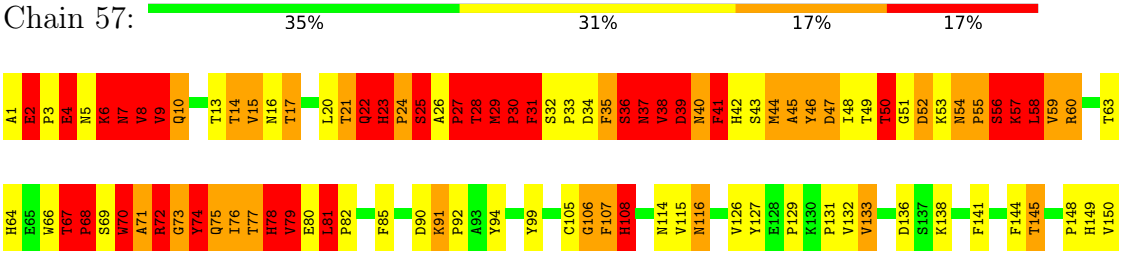
• Molecule 2: Capsid protein VP0

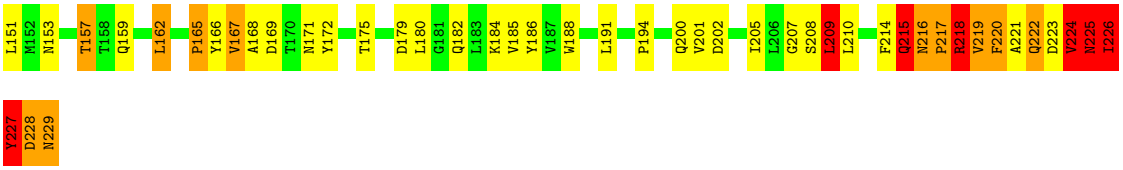
Chain 53:



• Molecule 2: Capsid protein VP0

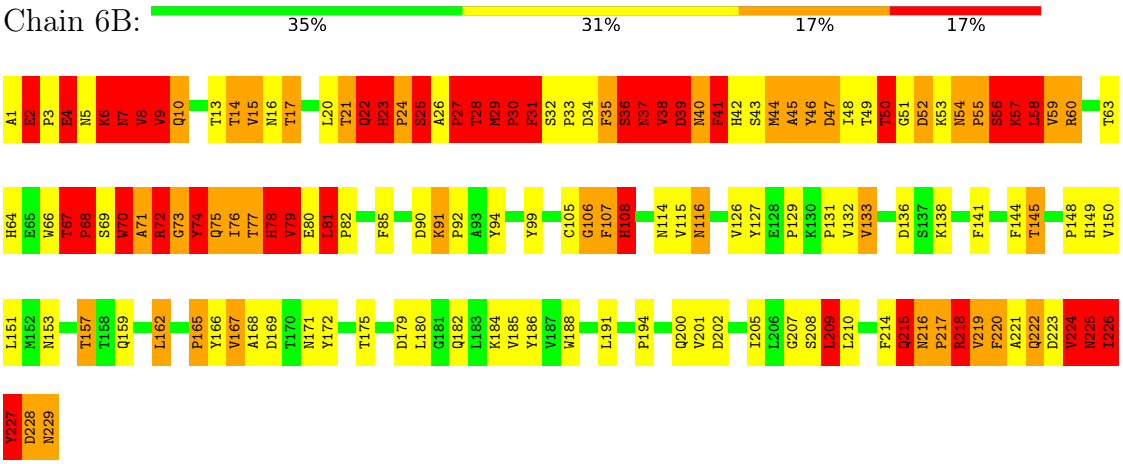
Chain 57:





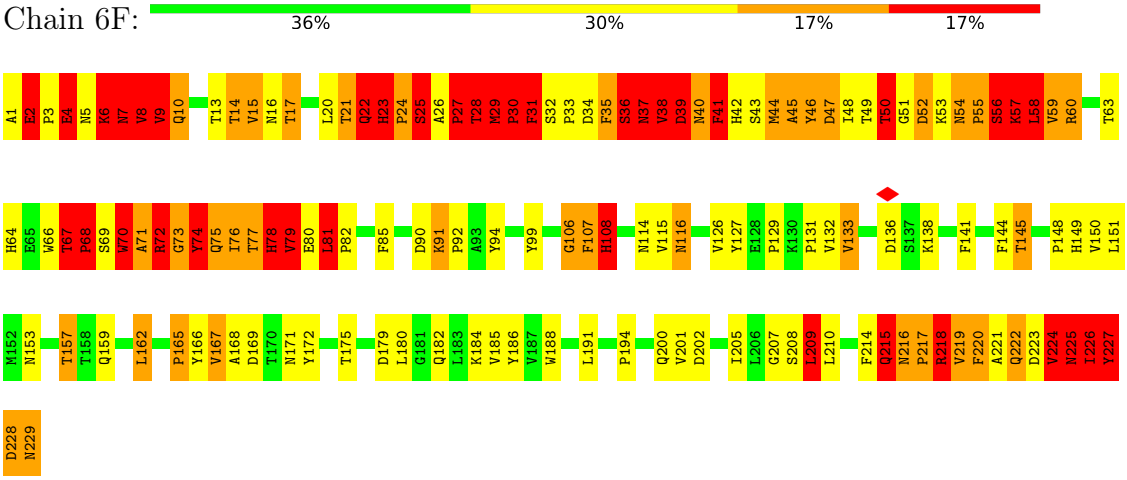
• Molecule 2: Capsid protein VP0

Chain 6B:



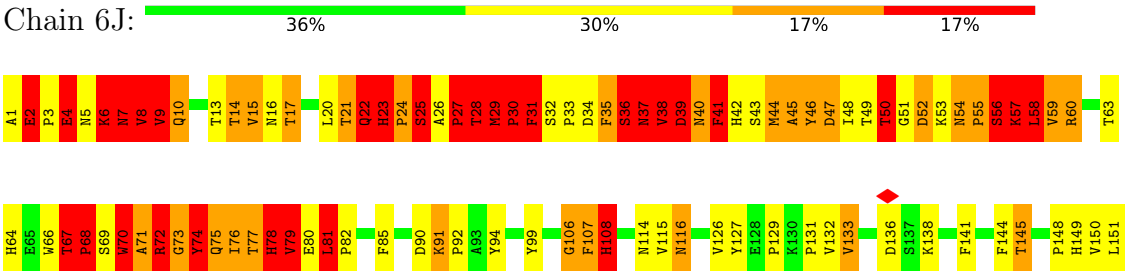
• Molecule 2: Capsid protein VP0

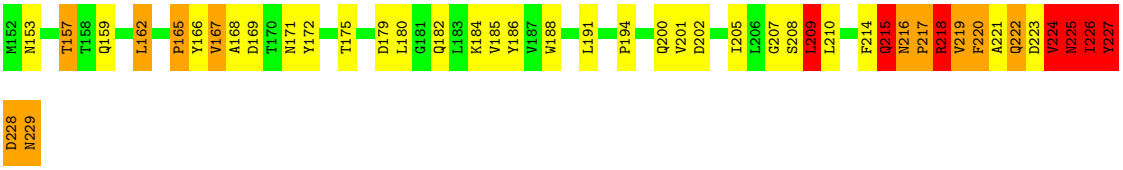
Chain 6F:



• Molecule 2: Capsid protein VP0

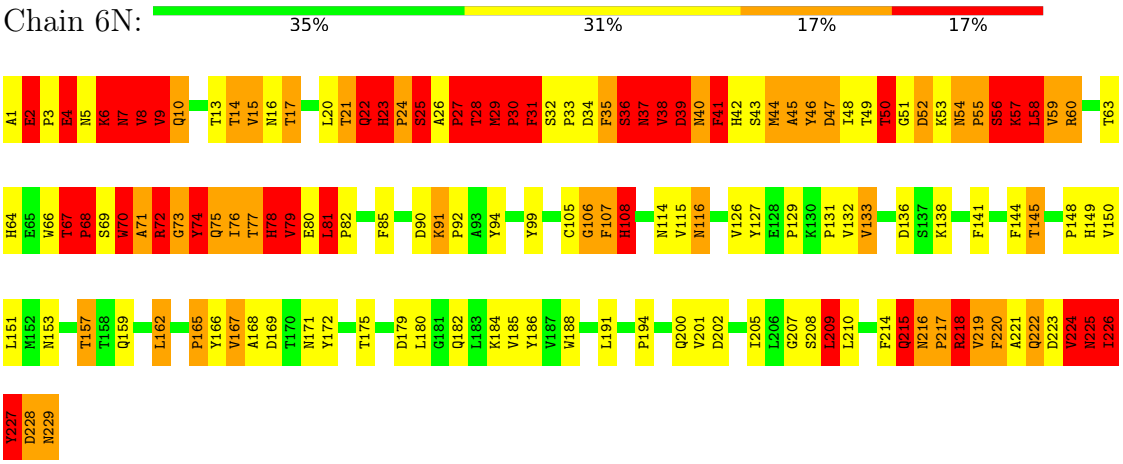
Chain 6J:





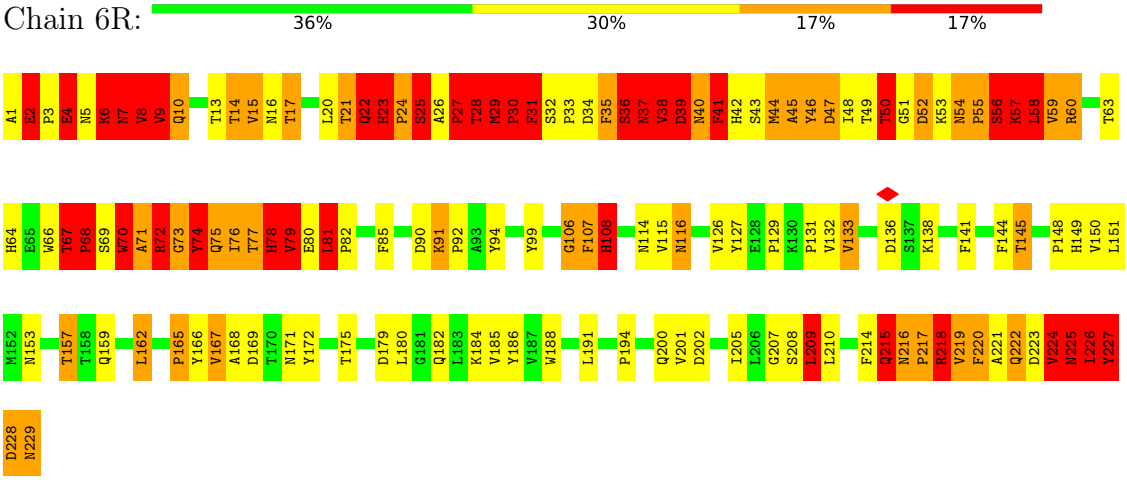
• Molecule 2: Capsid protein VP0

Chain 6N:



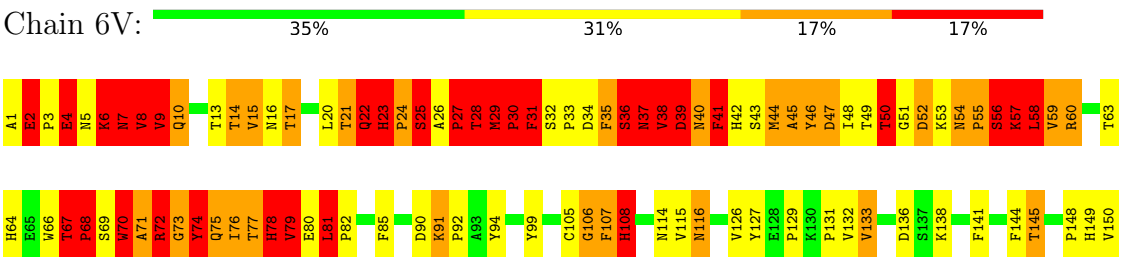
• Molecule 2: Capsid protein VP0

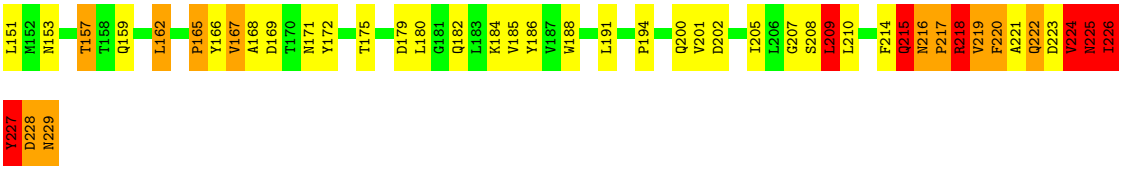
Chain 6R:



• Molecule 2: Capsid protein VP0

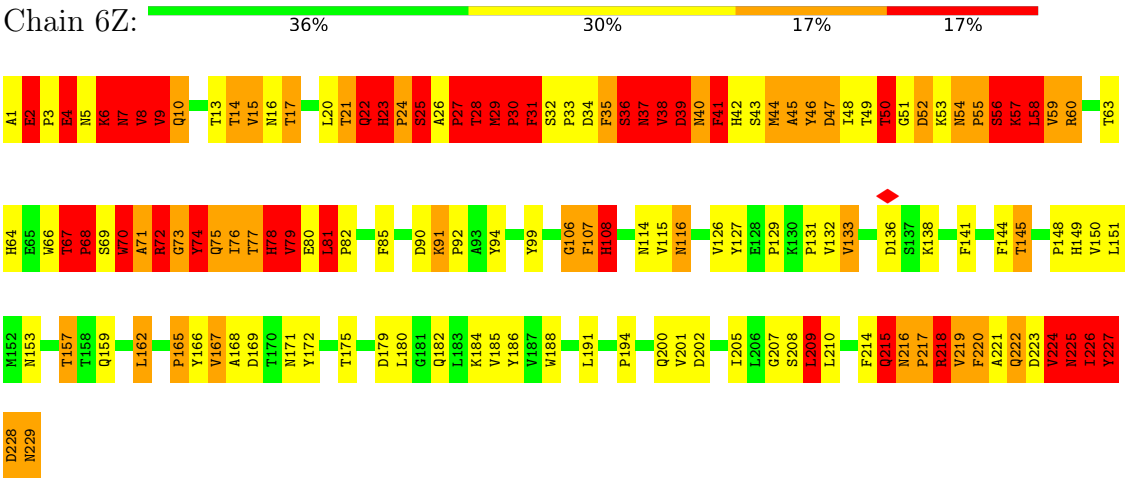
Chain 6V:





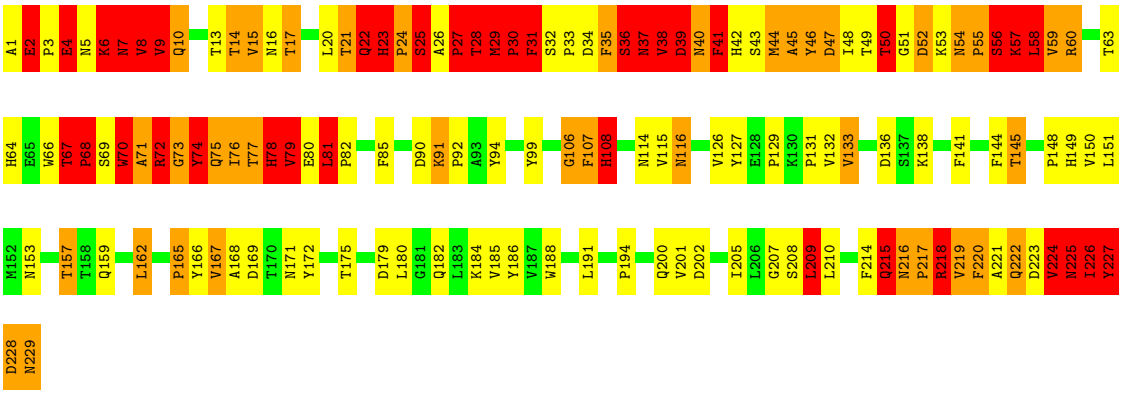
• Molecule 2: Capsid protein VP0

Chain 6Z:



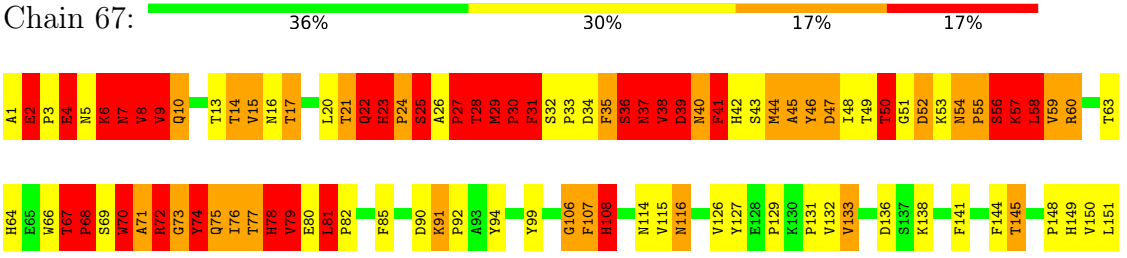
• Molecule 2: Capsid protein VP0

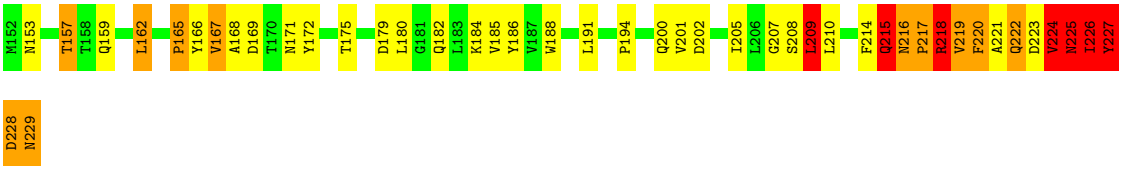
Chain 63:



• Molecule 2: Capsid protein VP0

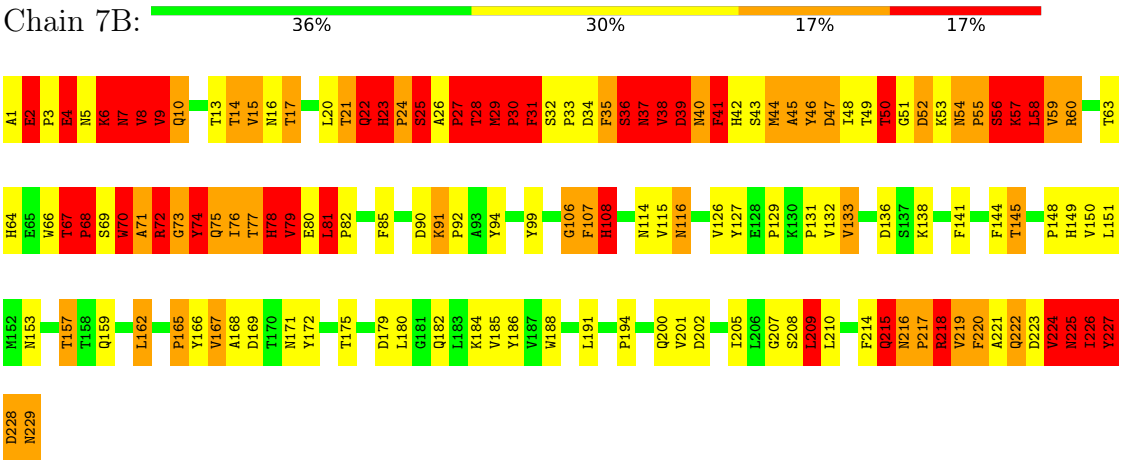
Chain 67:





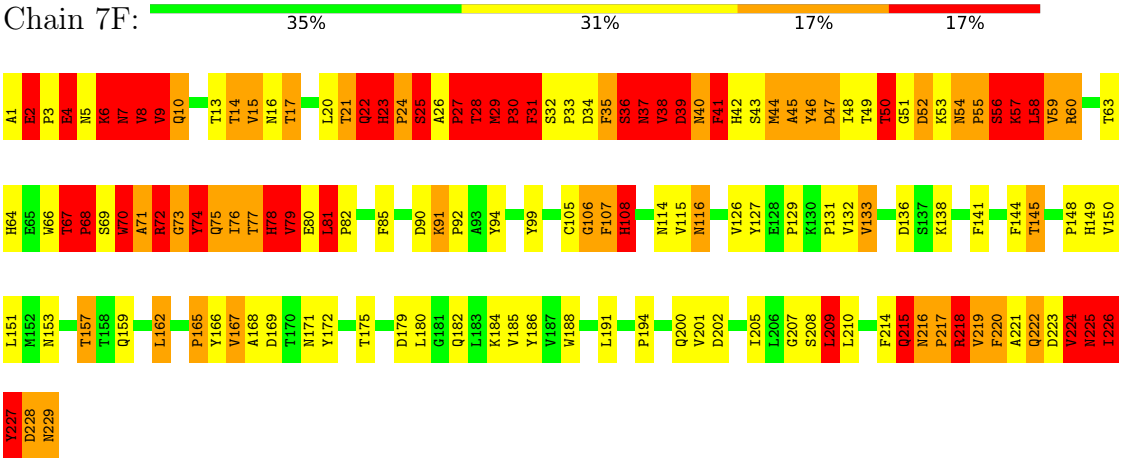
• Molecule 2: Capsid protein VP0

Chain 7B:



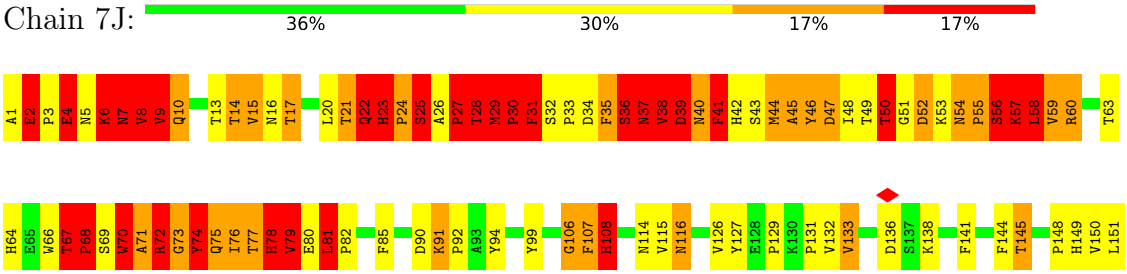
• Molecule 2: Capsid protein VP0

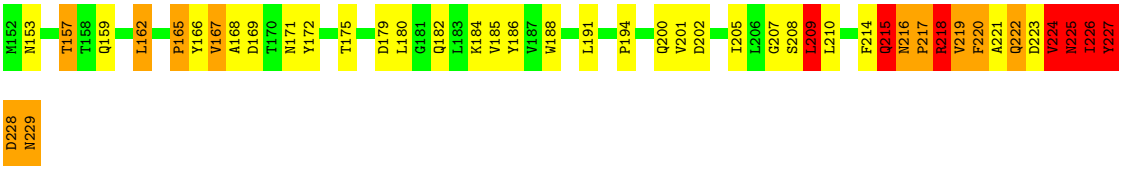
Chain 7F:



• Molecule 2: Capsid protein VP0

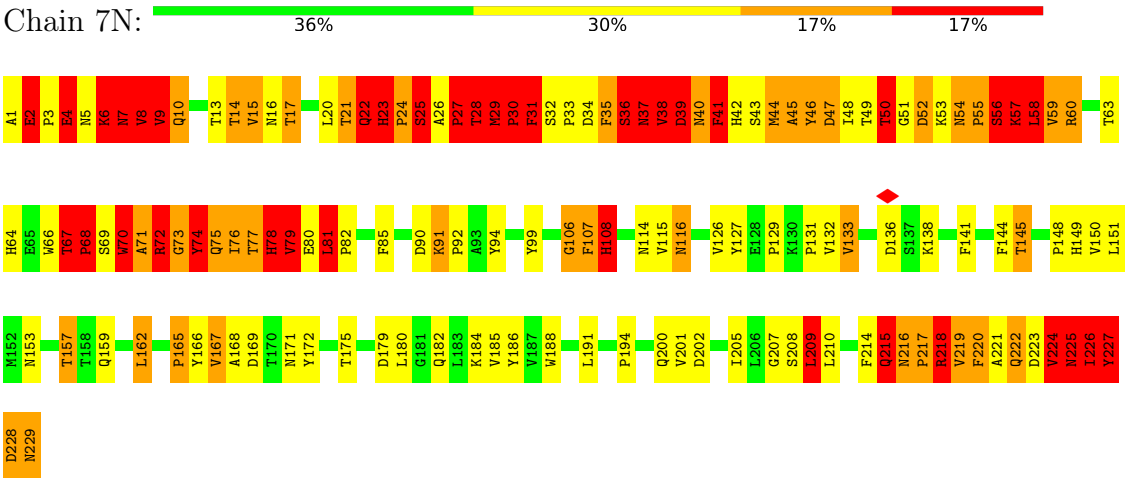
Chain 7J:





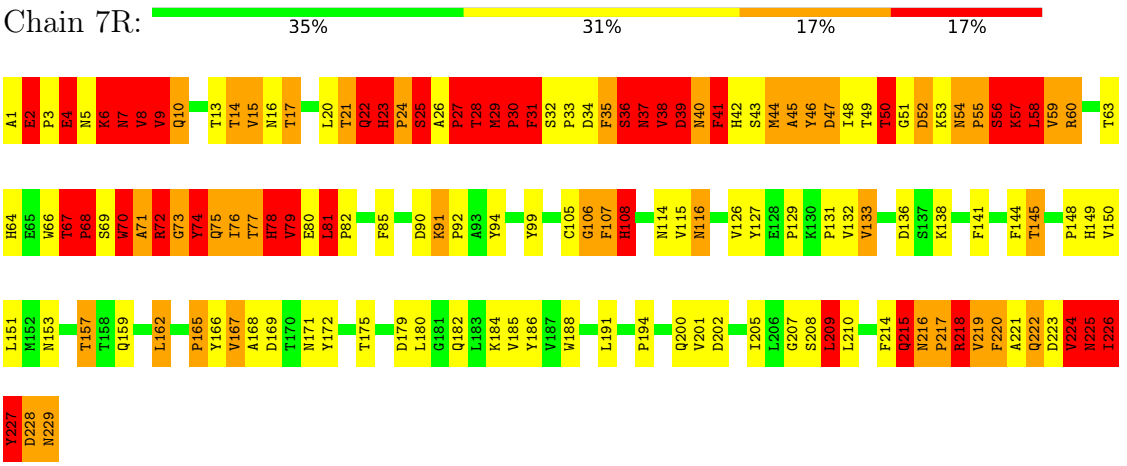
• Molecule 2: Capsid protein VP0

Chain 7N:



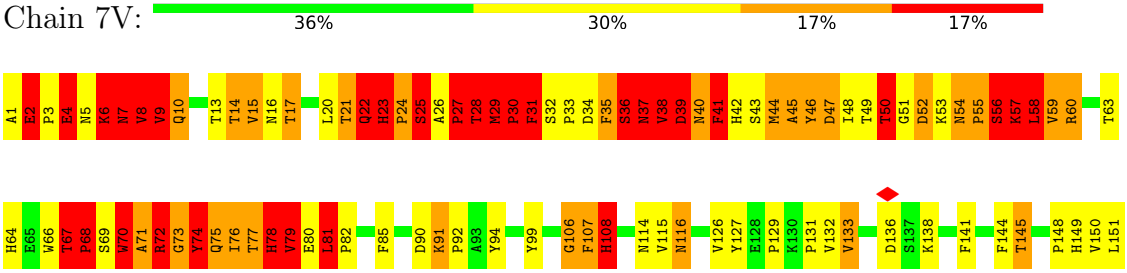
• Molecule 2: Capsid protein VP0

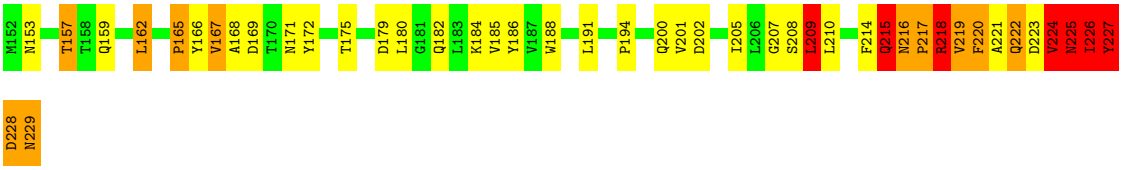
Chain 7R:



• Molecule 2: Capsid protein VP0

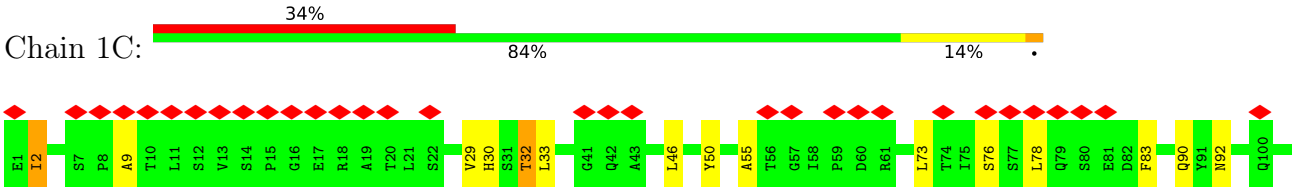
Chain 7V:





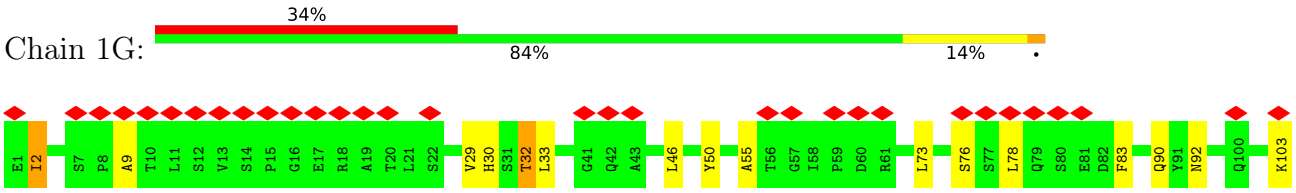
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 1C:



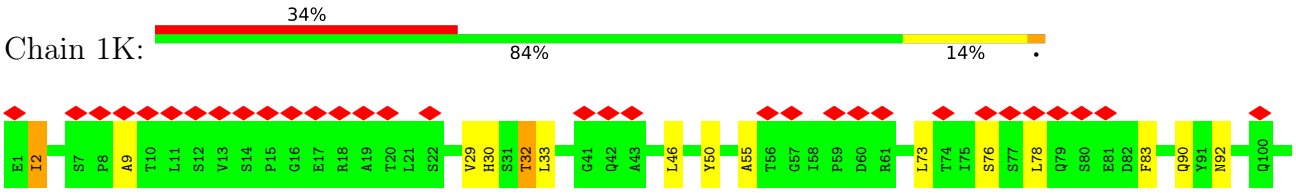
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 1G:



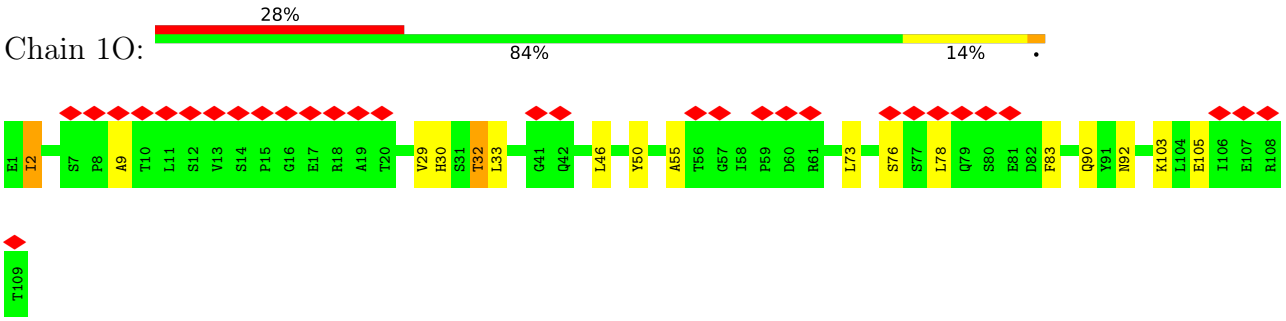
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 1K:



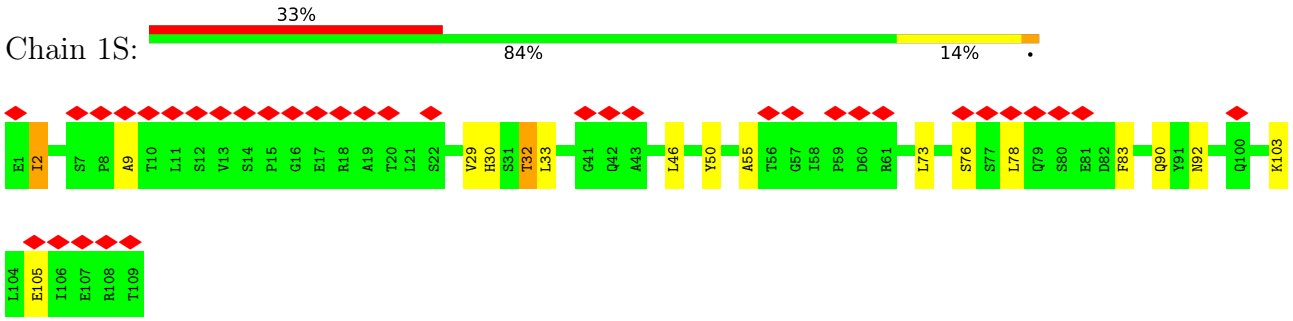
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 1O:



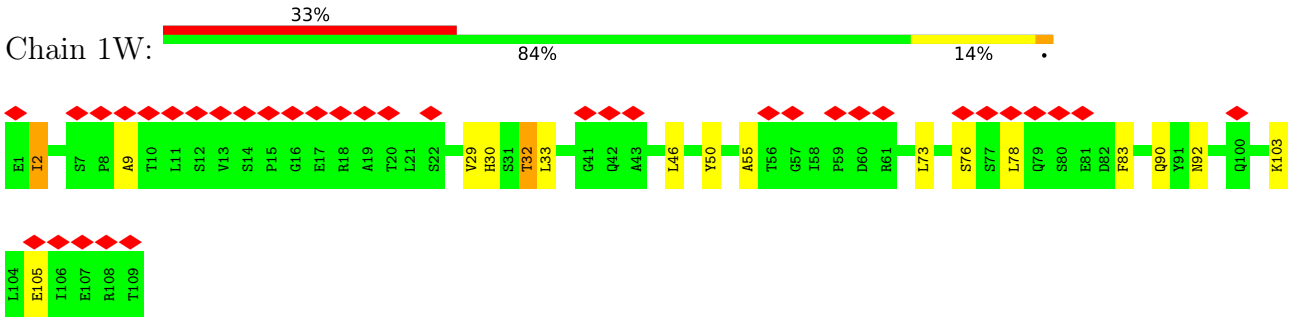
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 1S:



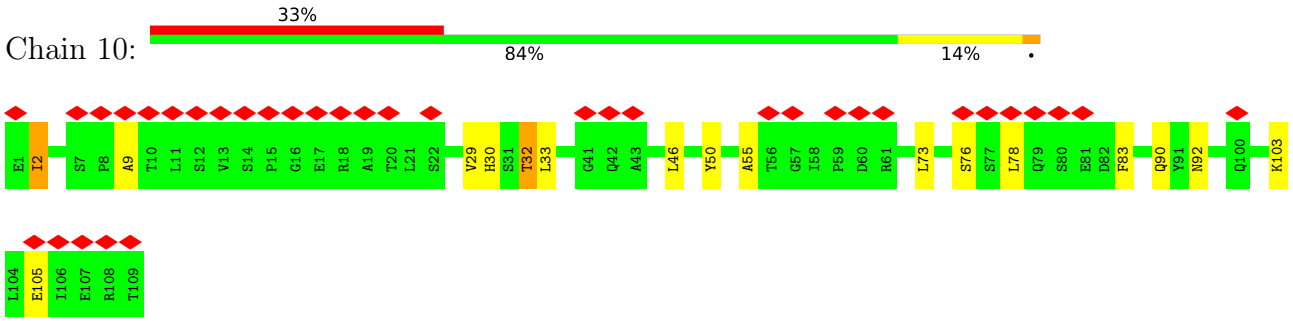
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 1W:



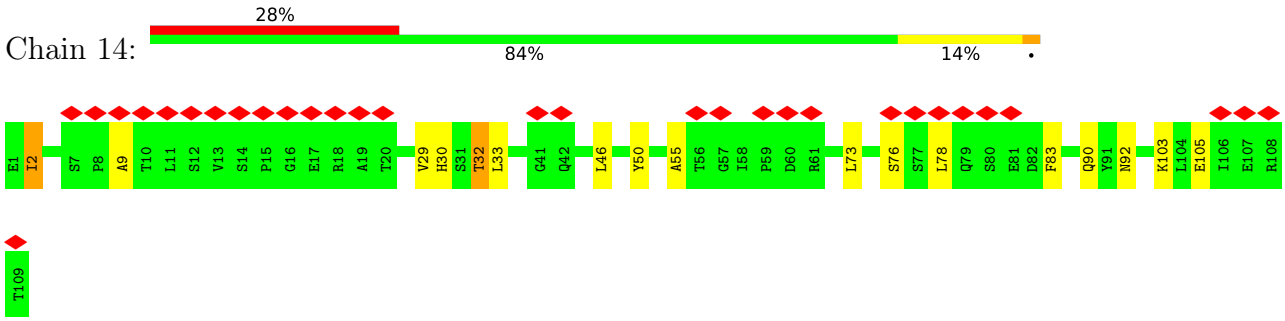
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 10:



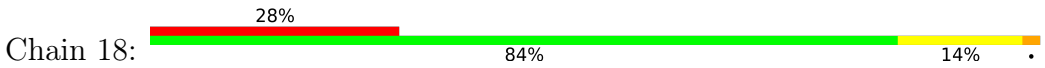
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

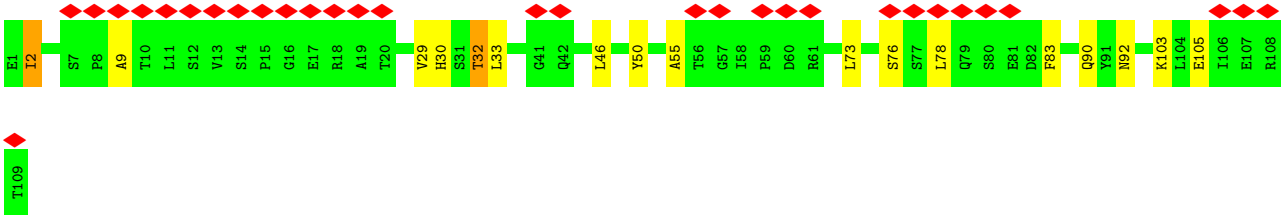
Chain 14:



• Molecule 3: HUMAN MONOCLONAL ANTIBODY

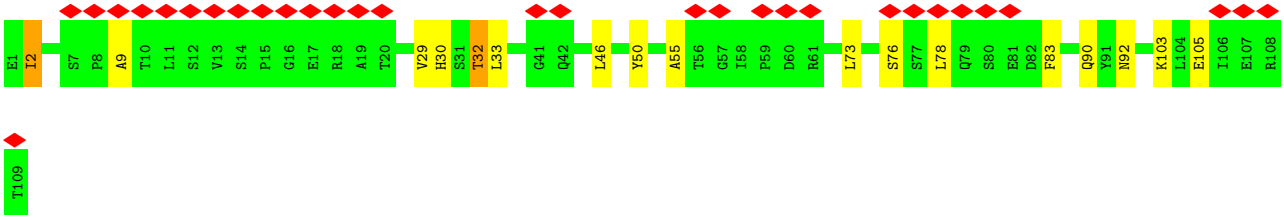
Chain 18:





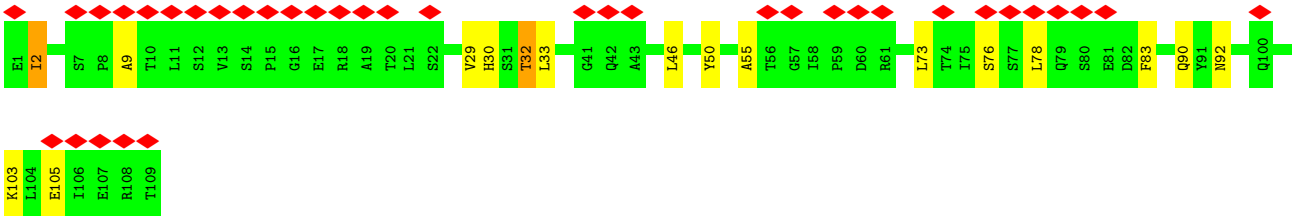
• Molecule 3: HUMAN MONOCLONAL ANTIBODY





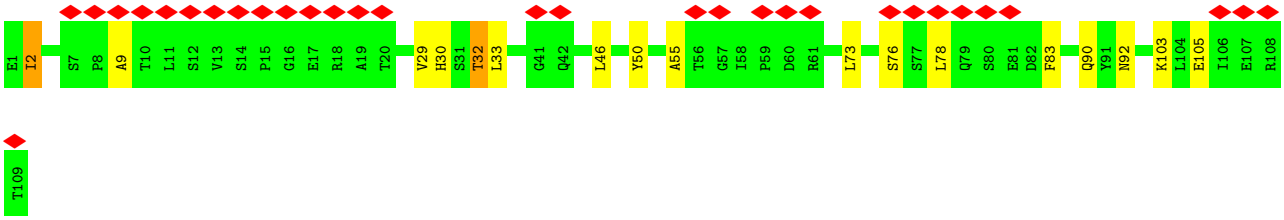
• Molecule 3: HUMAN MONOCLONAL ANTIBODY





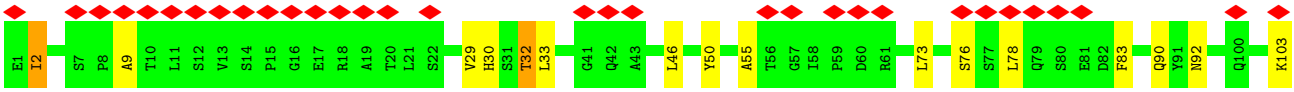
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

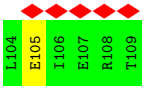




• Molecule 3: HUMAN MONOCLONAL ANTIBODY

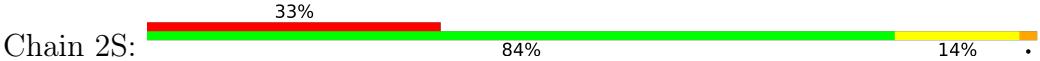


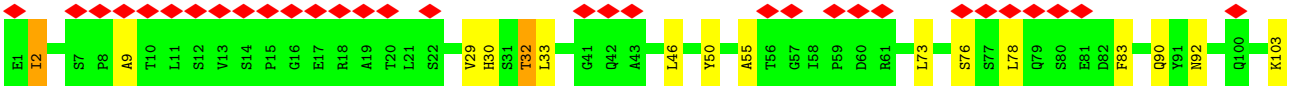


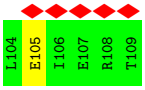


• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 2S:

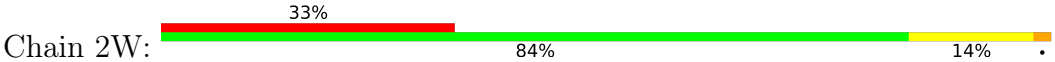


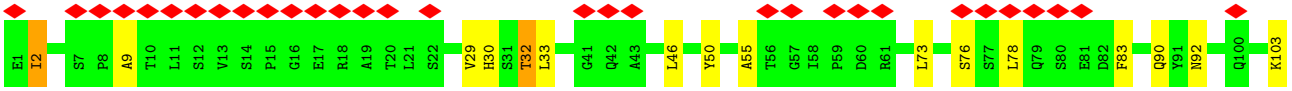


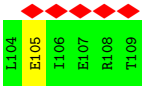


• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 2W:

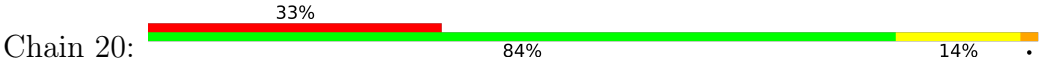


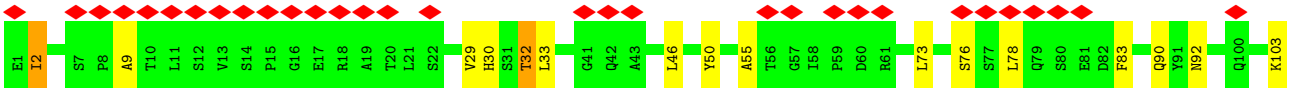


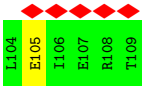


• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 20:

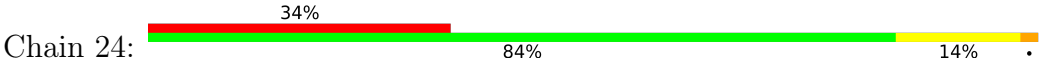


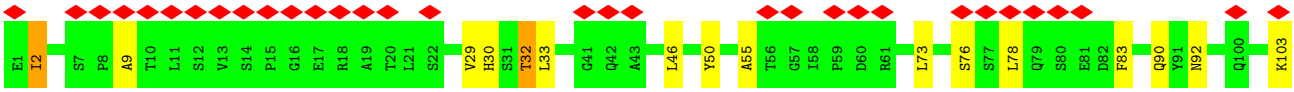


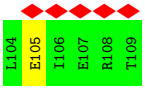


• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 24:

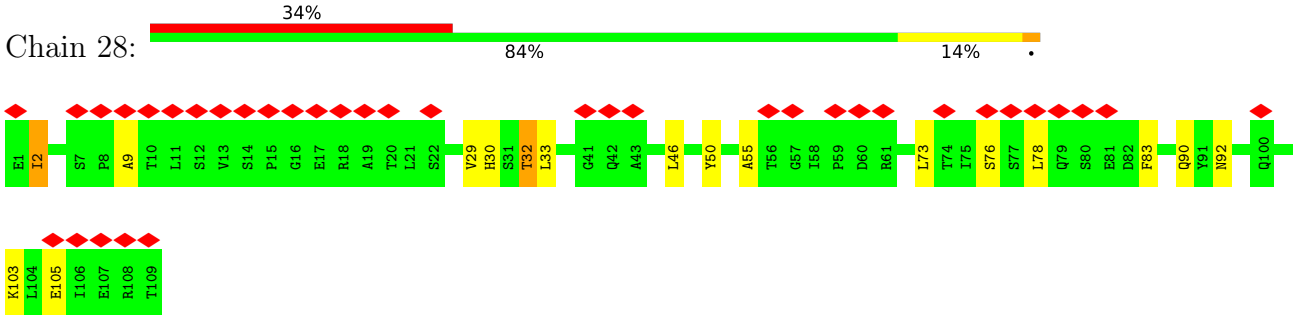






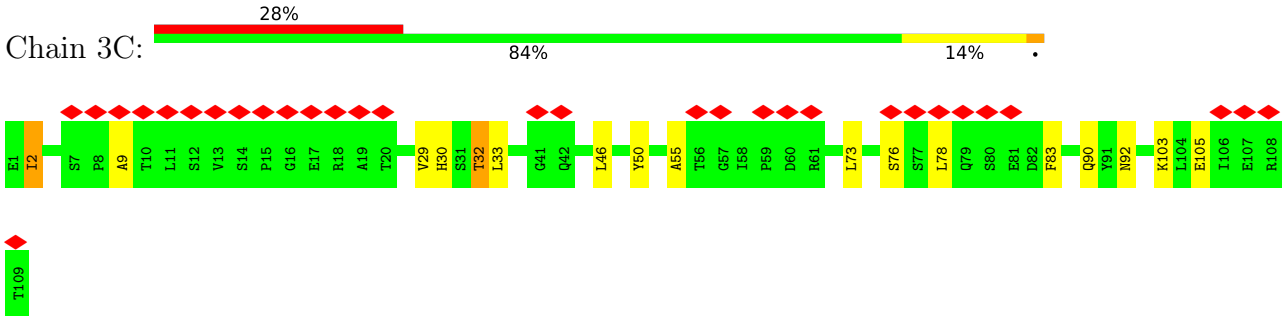
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 28:



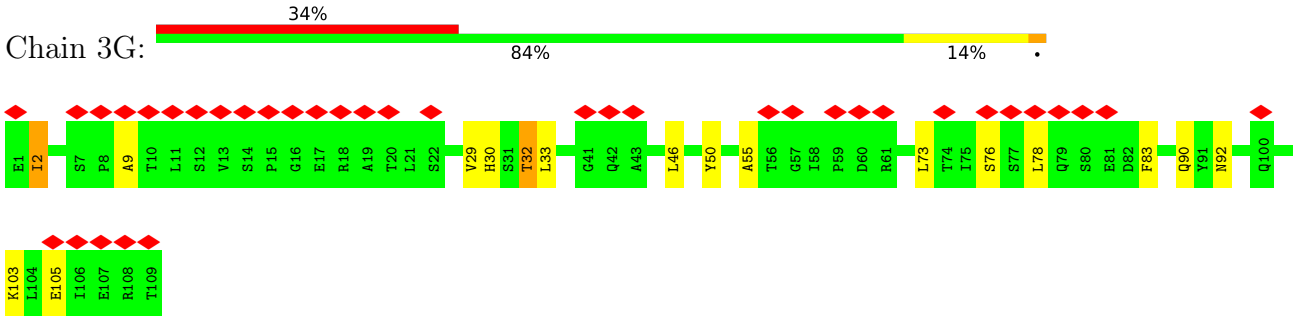
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 3C:



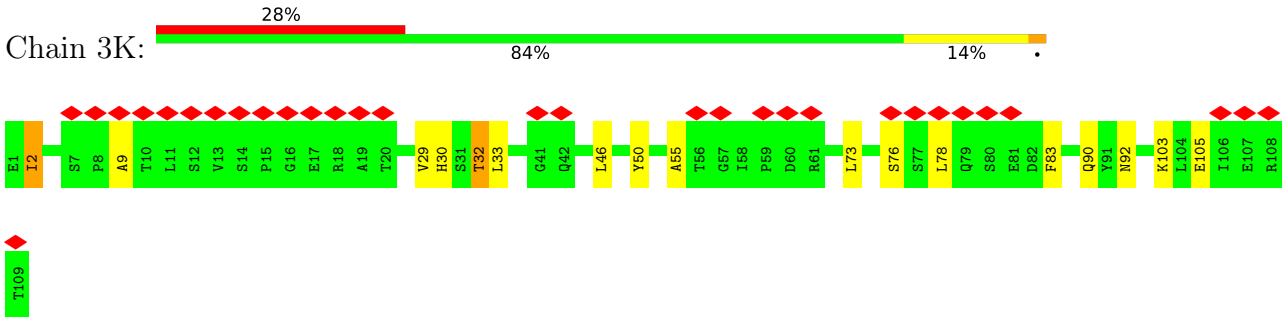
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 3G:



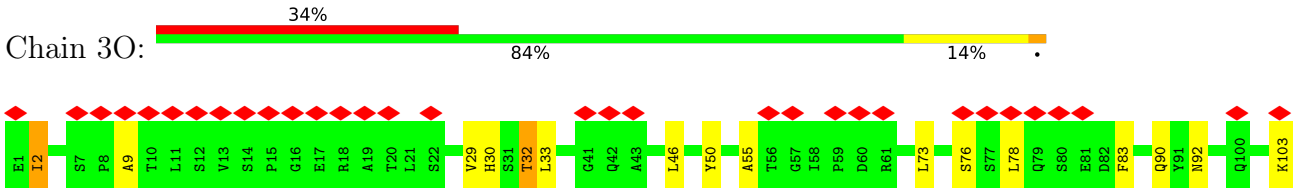
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

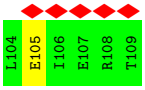
Chain 3K:



• Molecule 3: HUMAN MONOCLONAL ANTIBODY

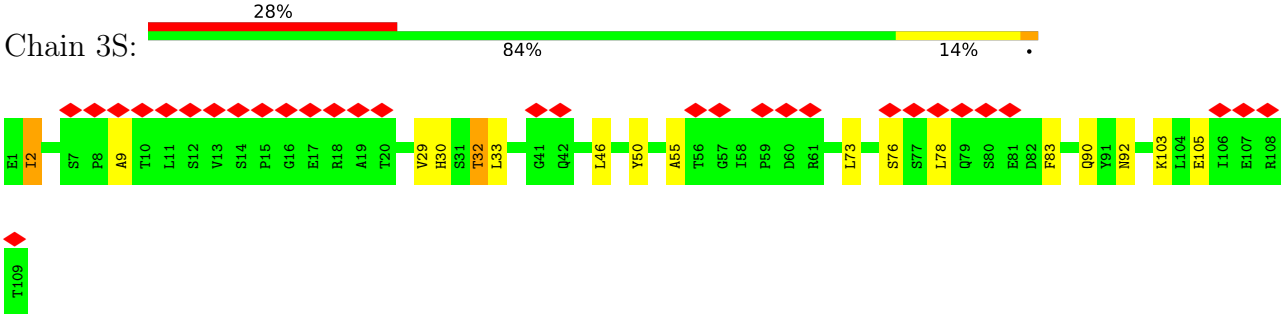
Chain 3O:





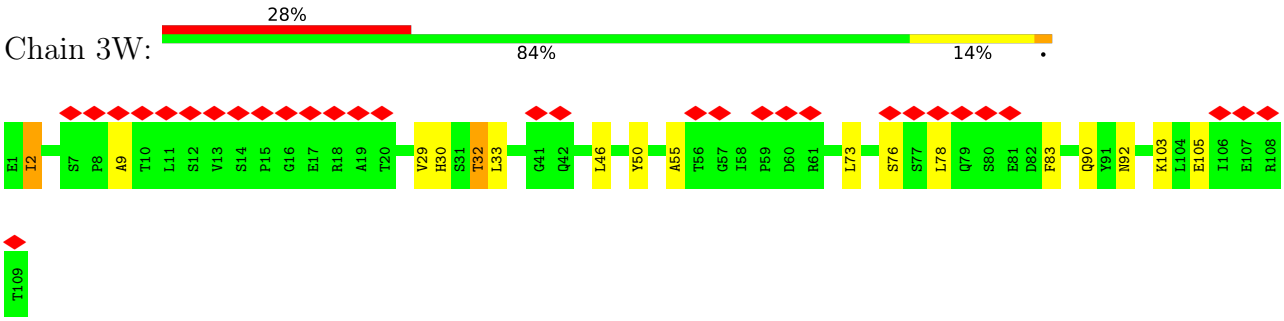
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 3S:



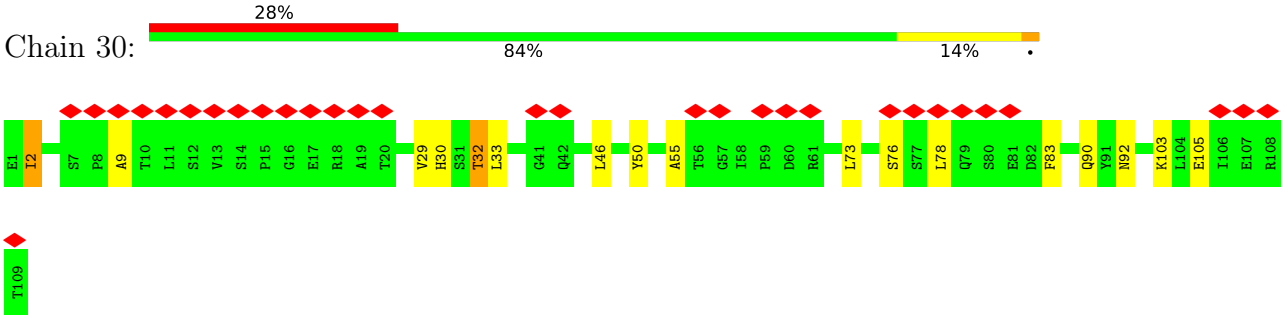
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 3W:



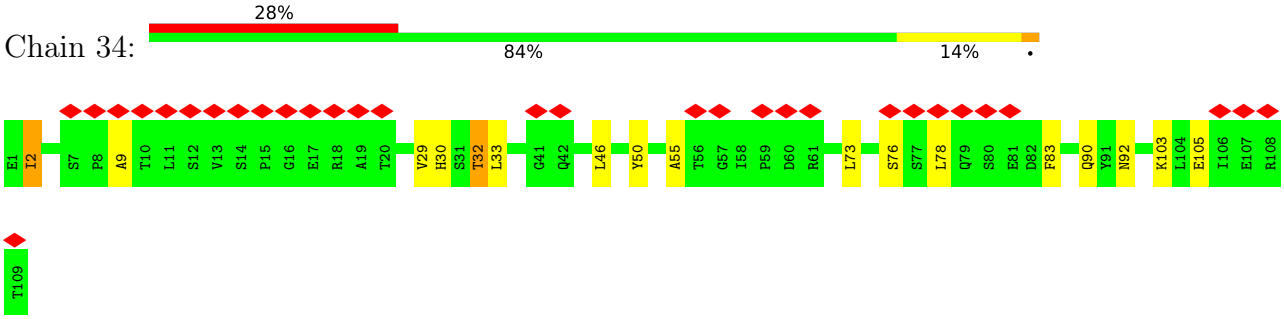
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 30:



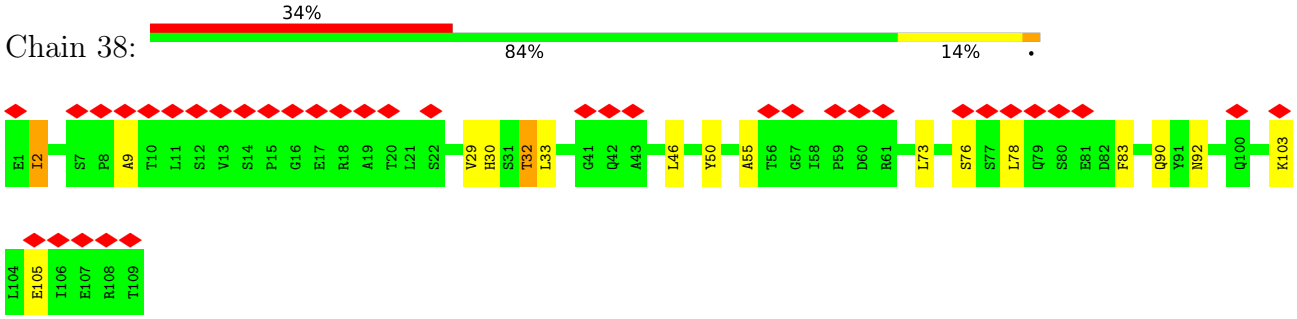
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 34:



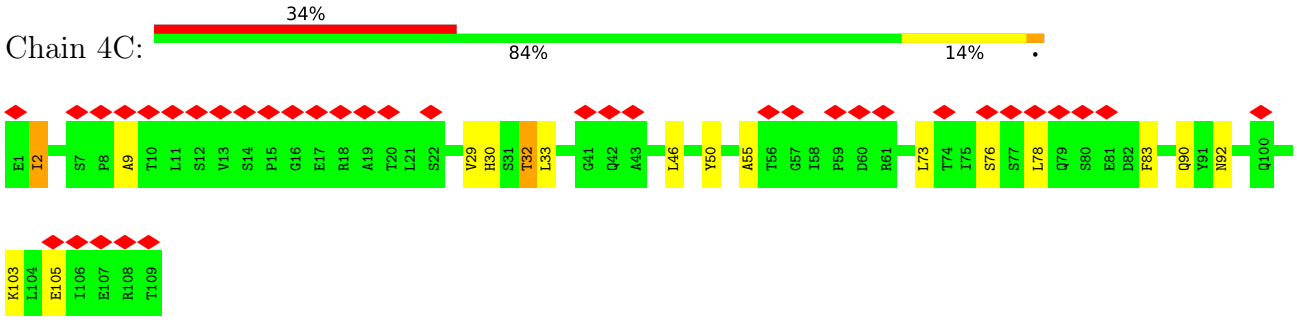
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 38:



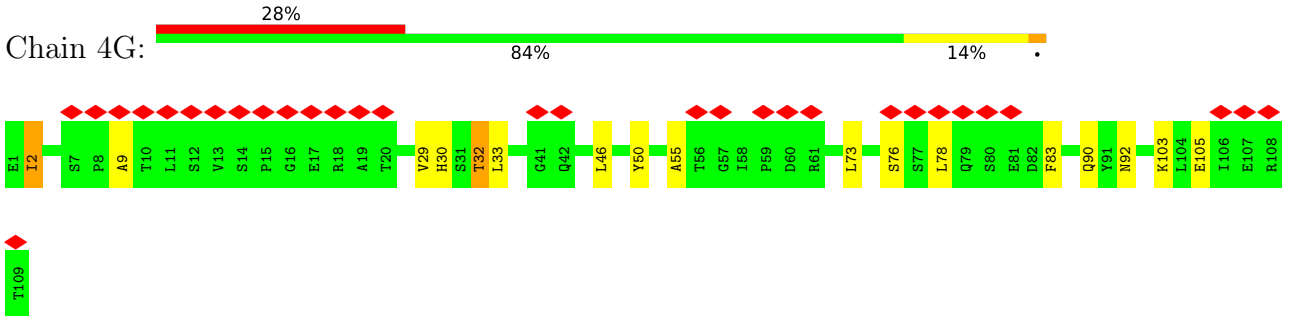
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 4C:



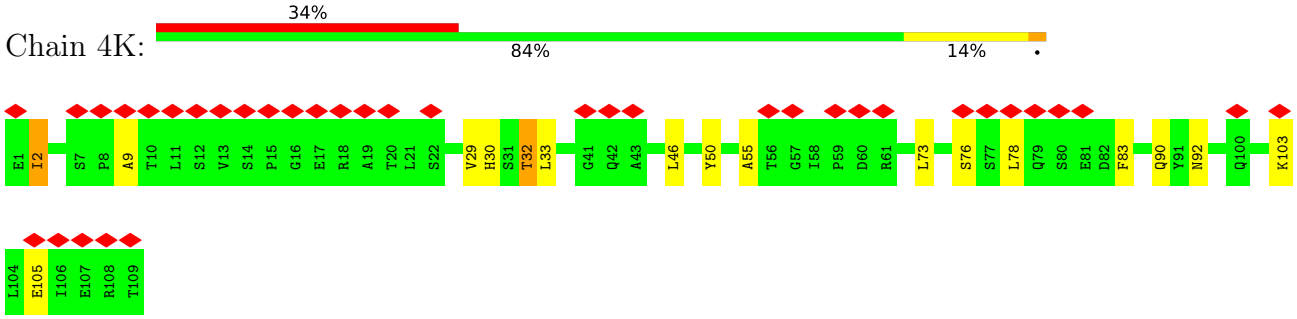
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 4G:



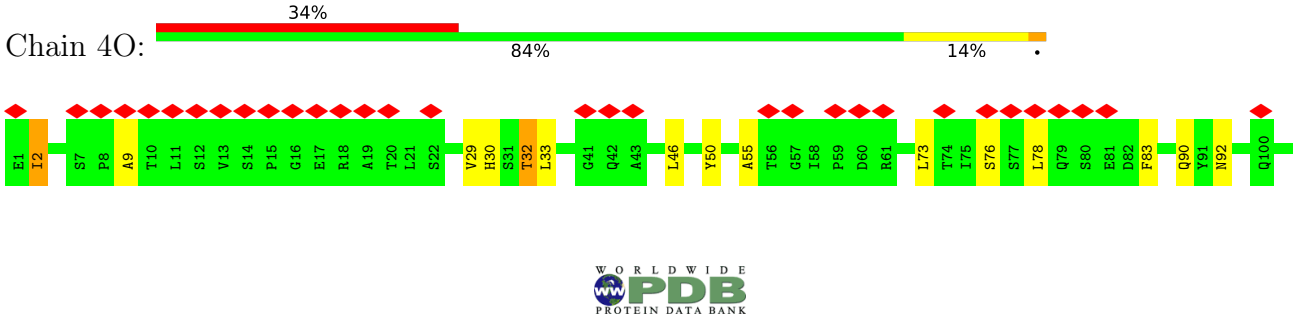
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

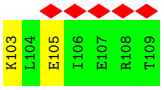
Chain 4K:



• Molecule 3: HUMAN MONOCLONAL ANTIBODY

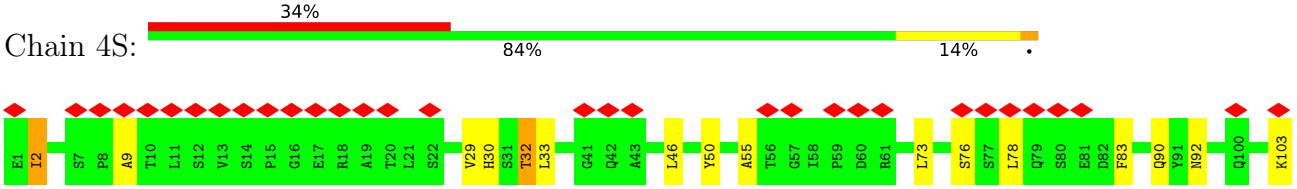
Chain 4O:





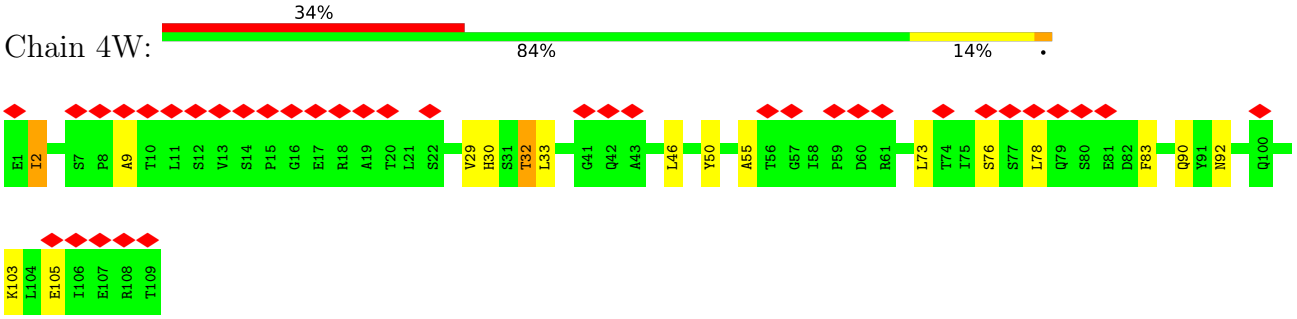
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 4S:



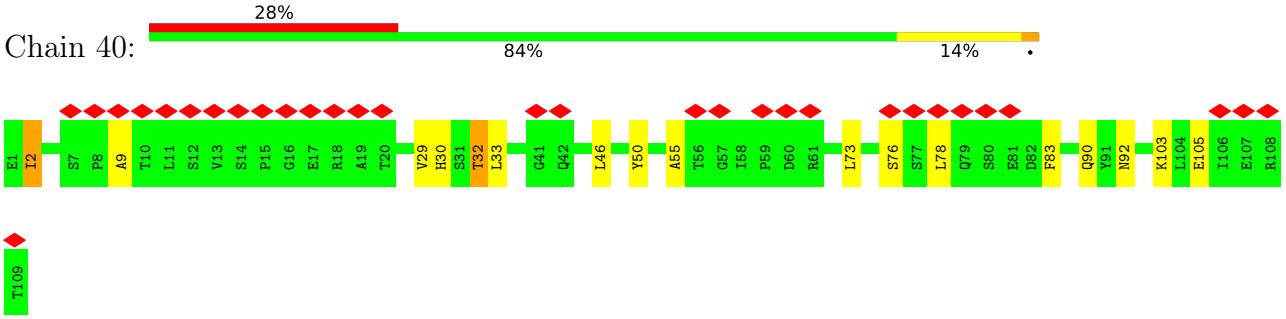
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 4W:



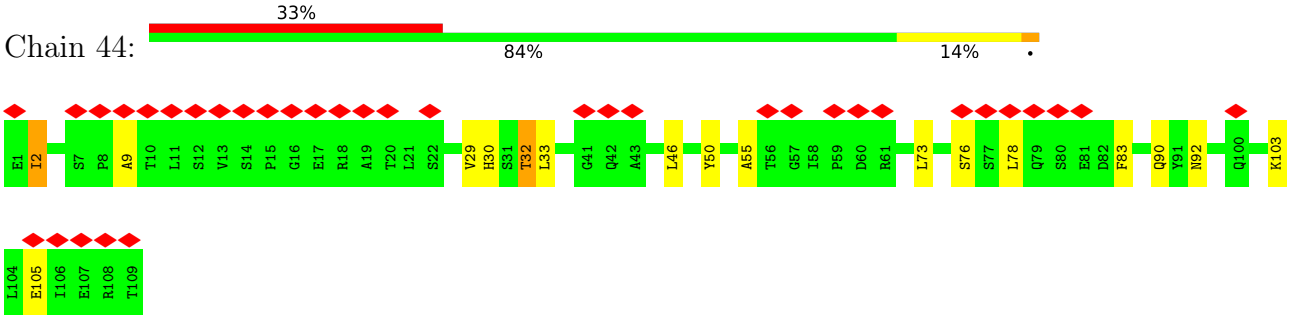
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 40:



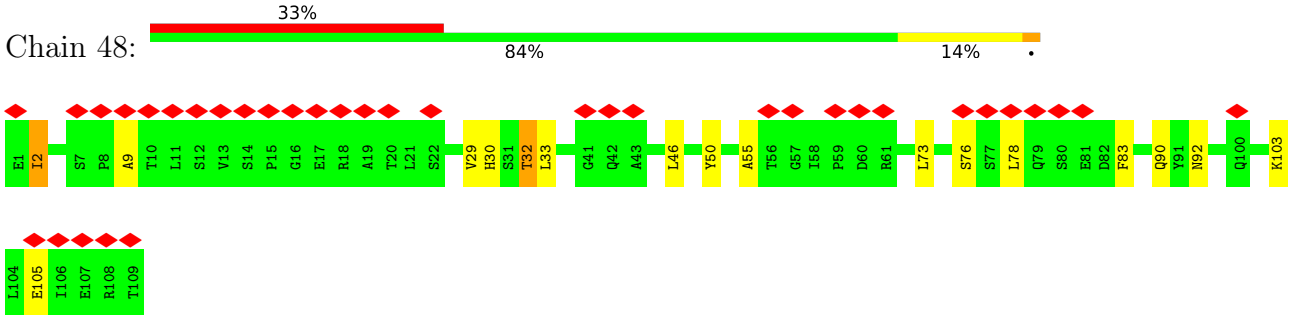
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 44:



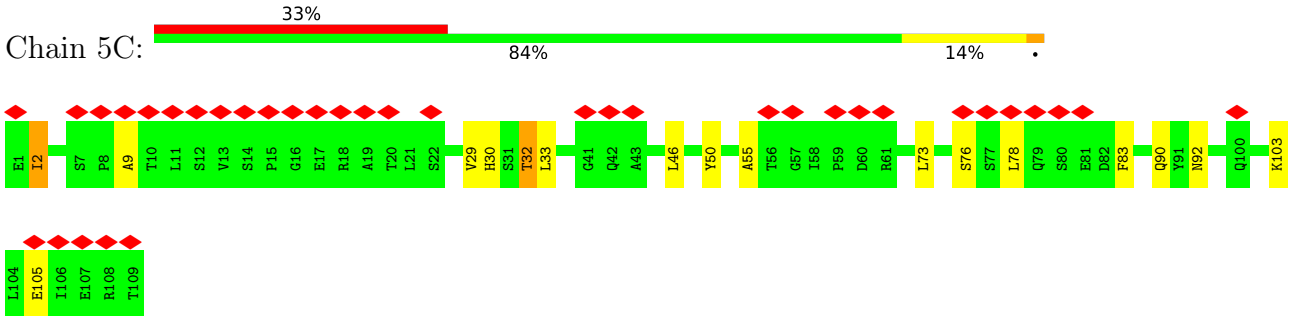
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 48:



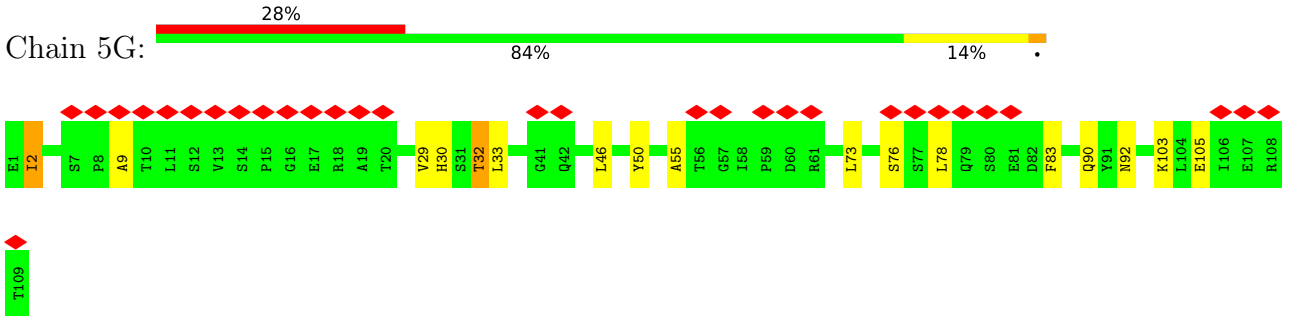
- Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 5C:



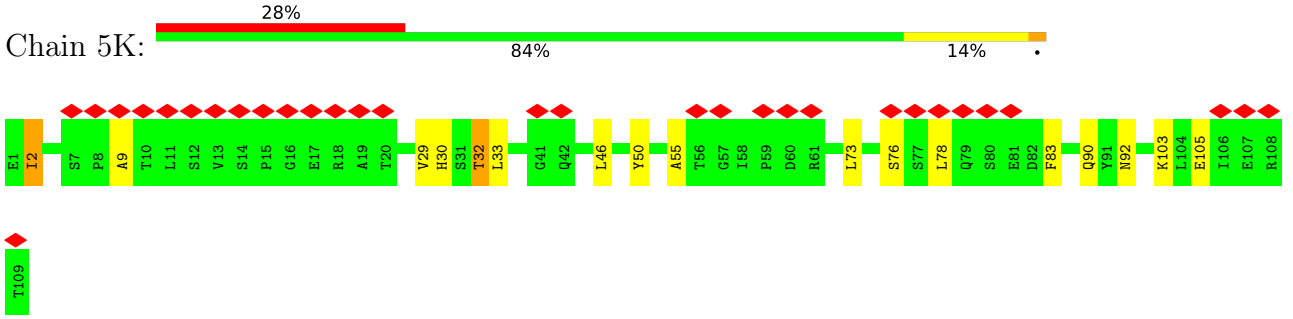
- Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 5G:



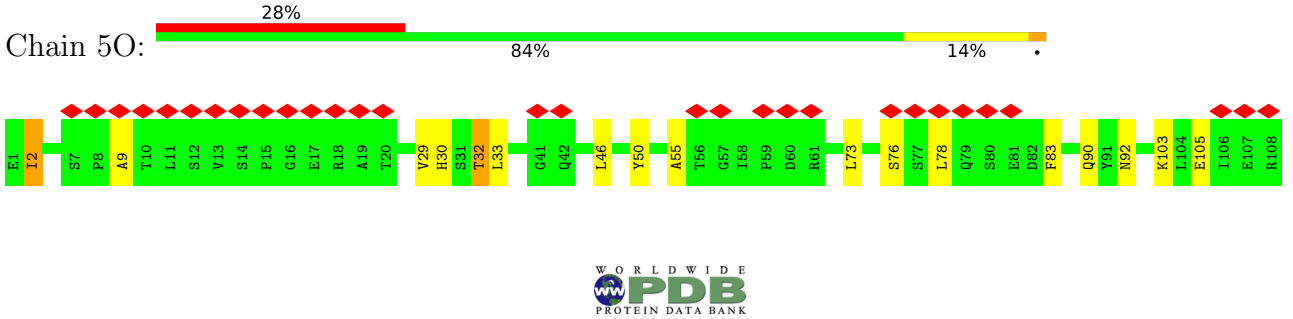
- Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 5K:



- Molecule 3: HUMAN MONOCLONAL ANTIBODY

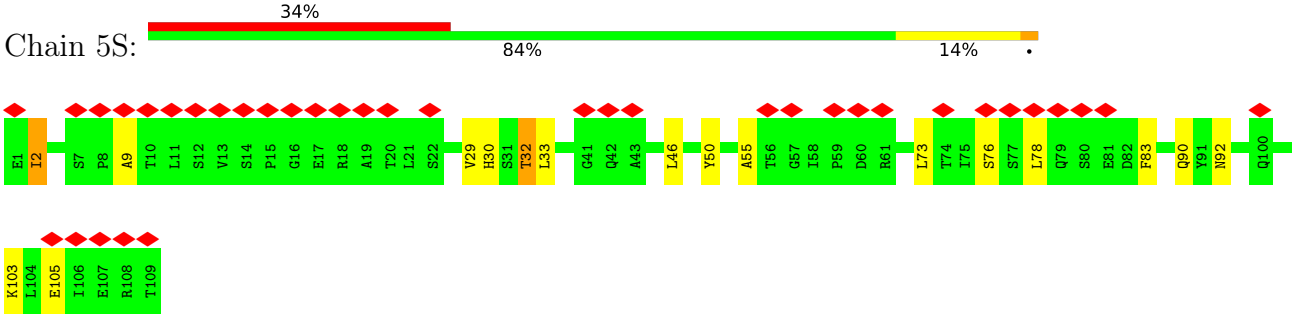
Chain 5O:





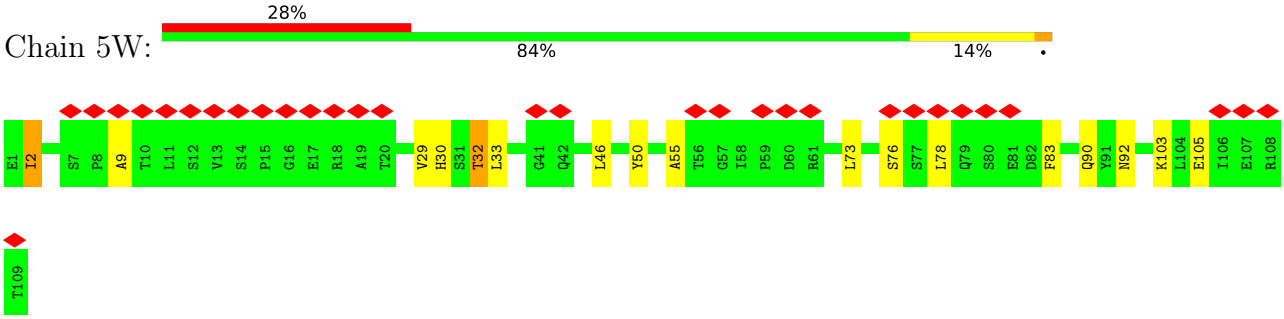
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 5S:



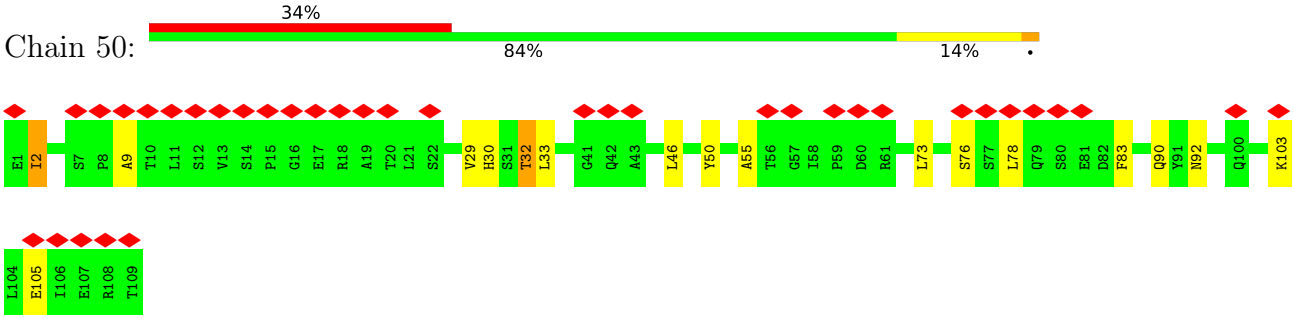
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 5W:



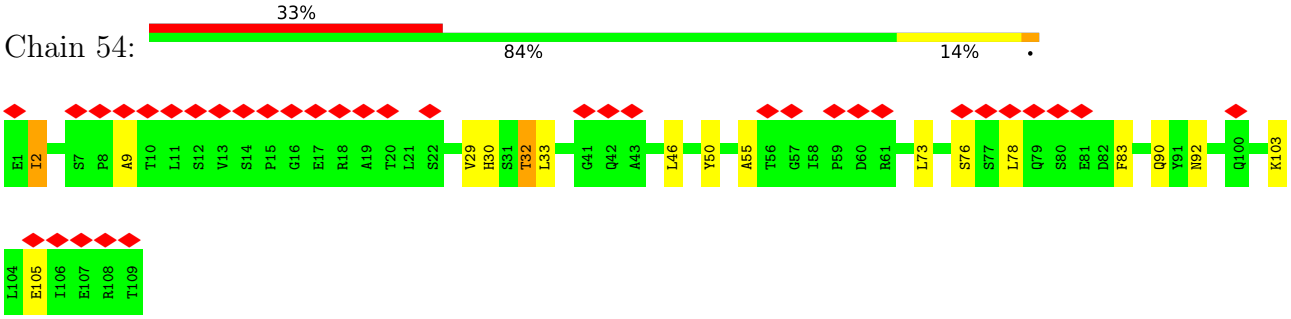
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 50:



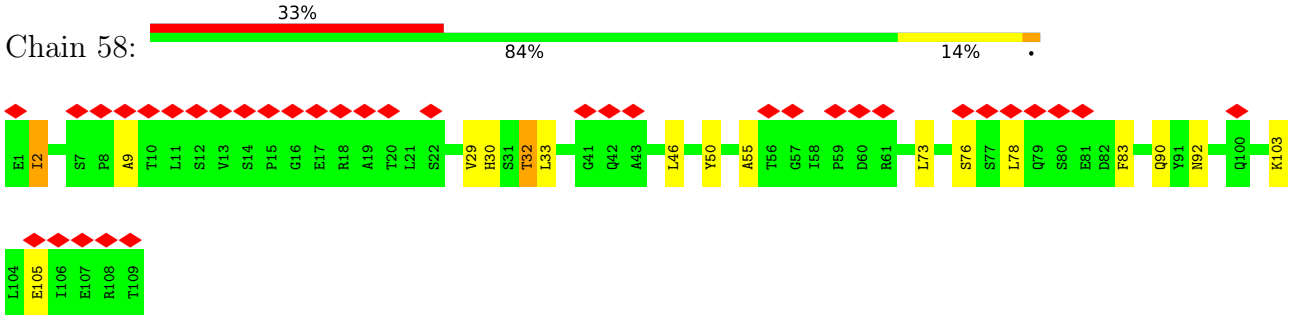
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 54:



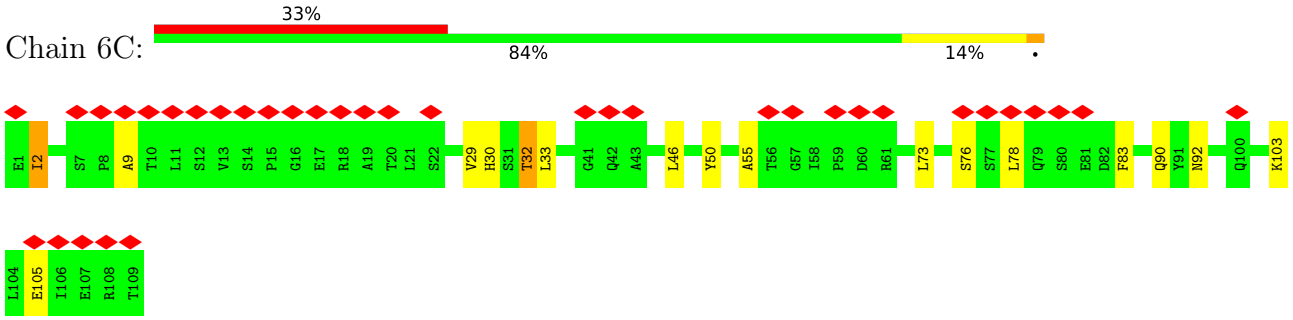
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 58:



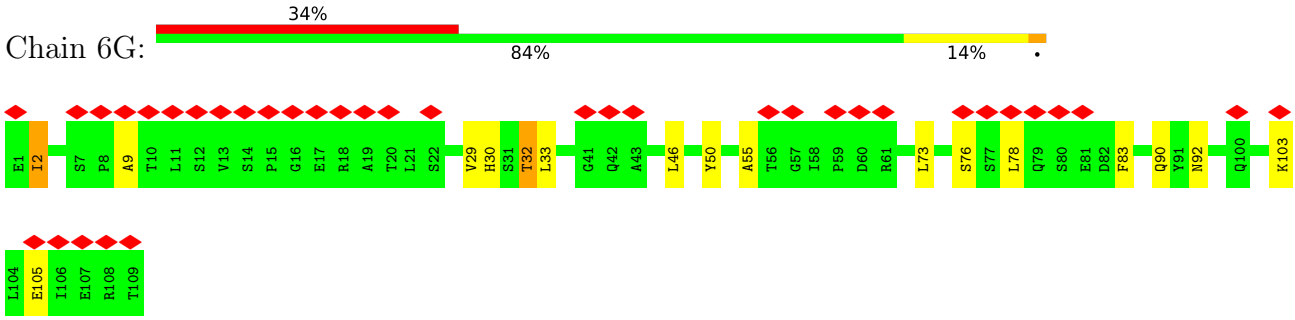
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 6C:



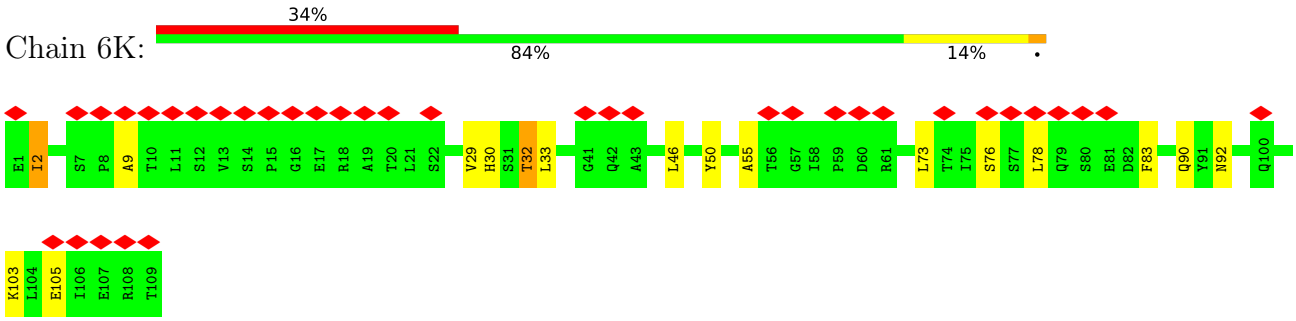
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 6G:



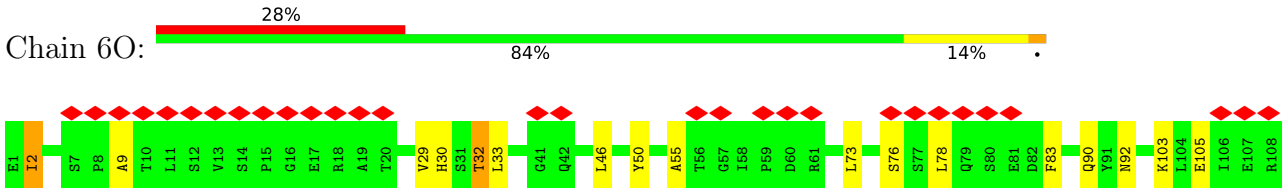
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 6K:



• Molecule 3: HUMAN MONOCLONAL ANTIBODY

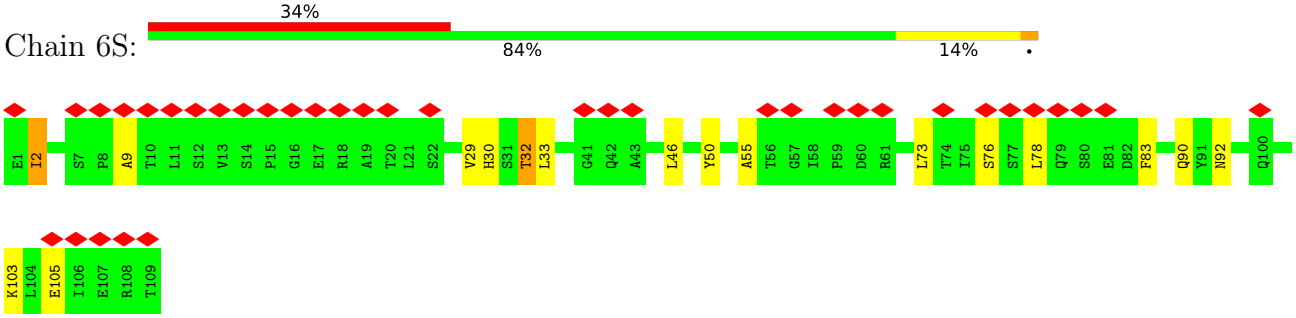
Chain 6O:





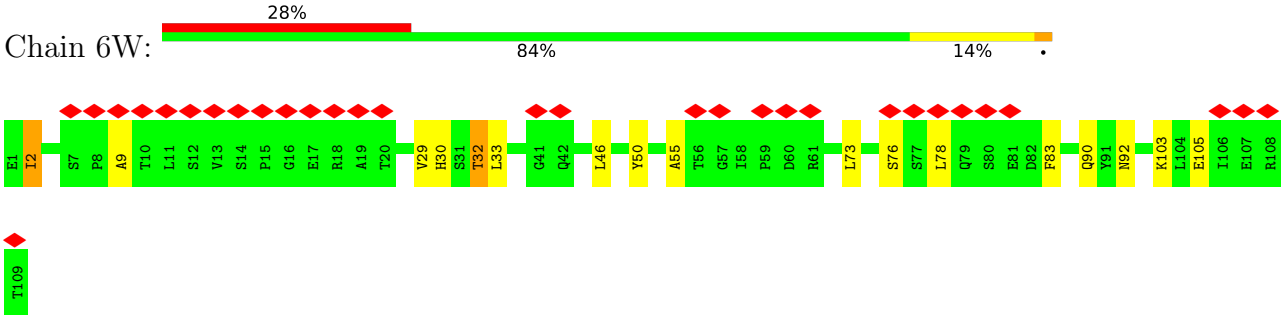
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 6S:



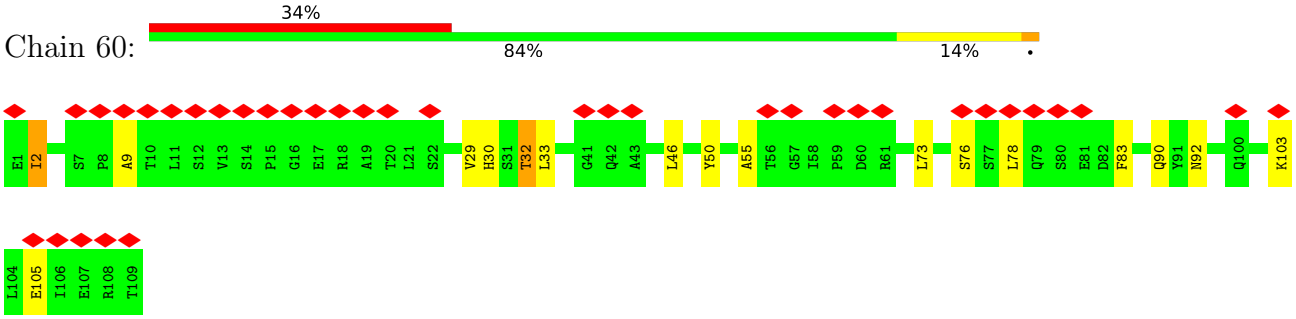
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 6W:



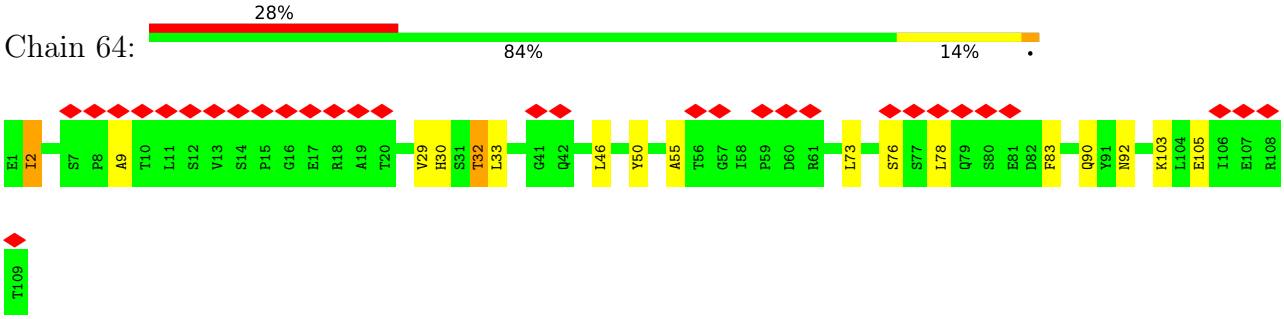
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 60:



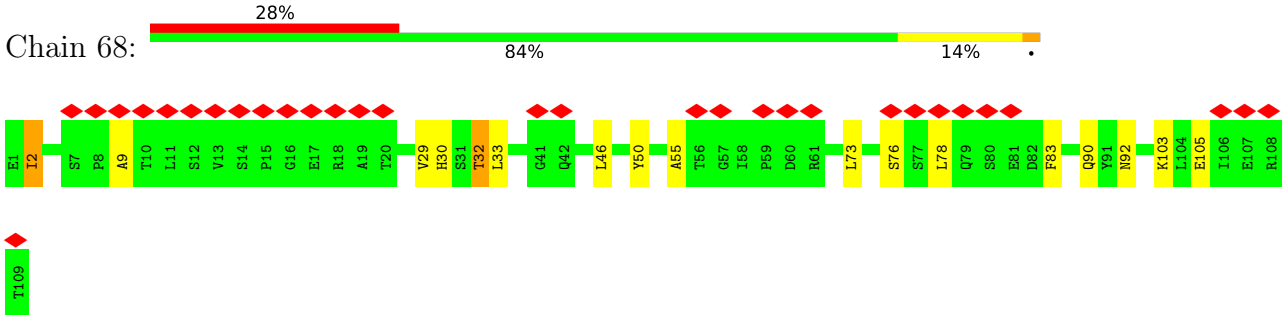
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 64:



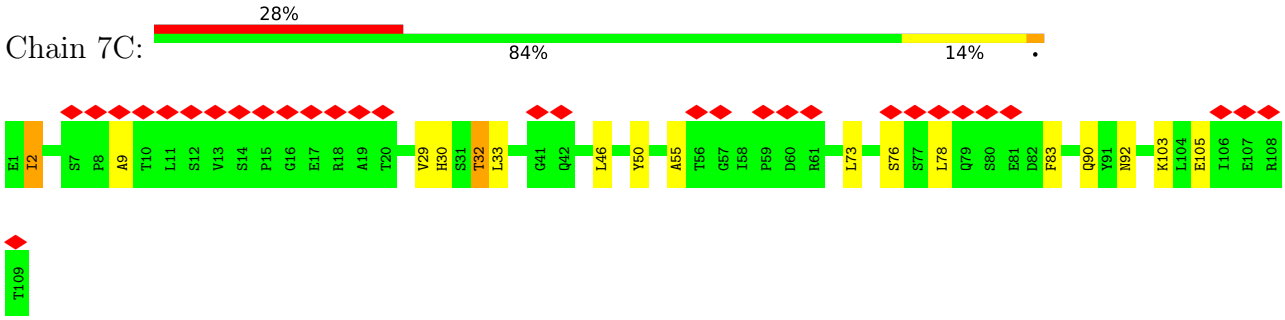
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 68:



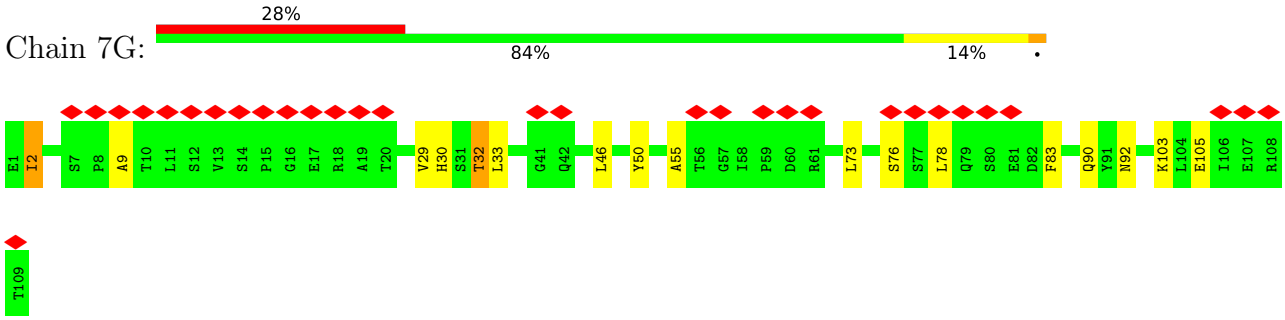
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 7C:



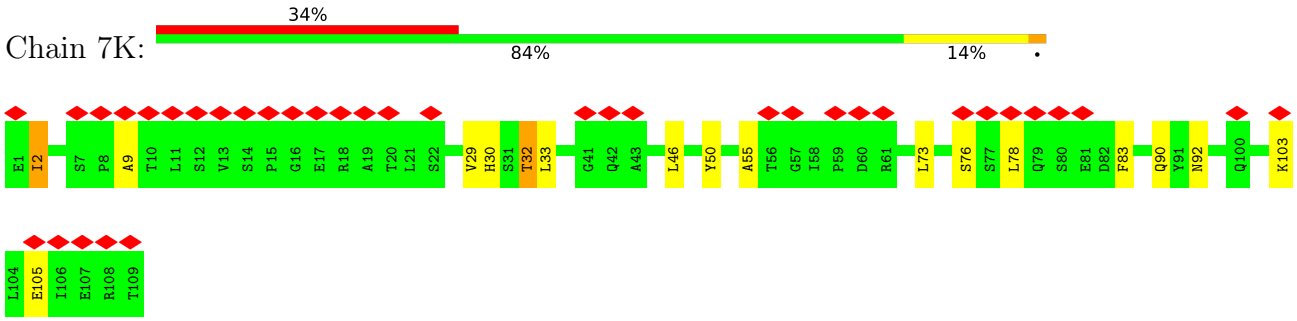
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 7G:



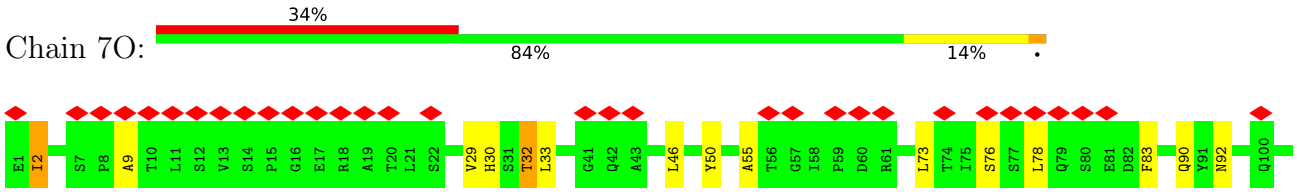
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

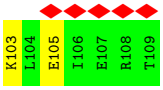
Chain 7K:



• Molecule 3: HUMAN MONOCLONAL ANTIBODY

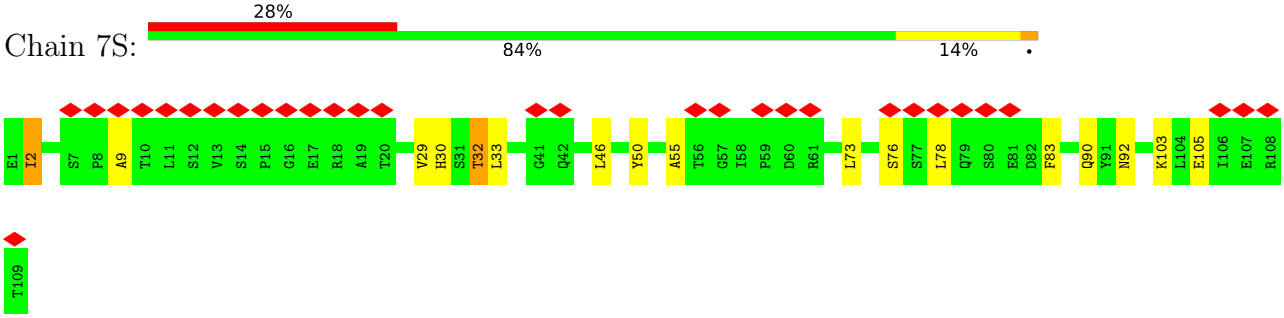
Chain 7O:





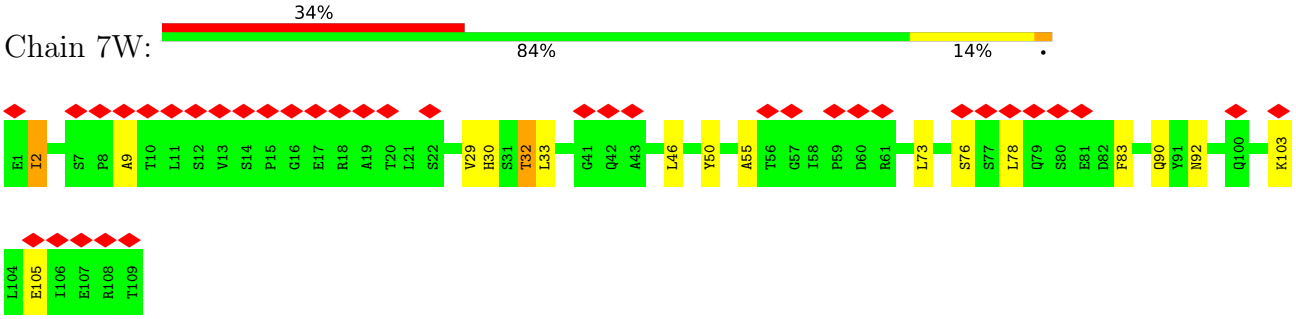
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 7S:



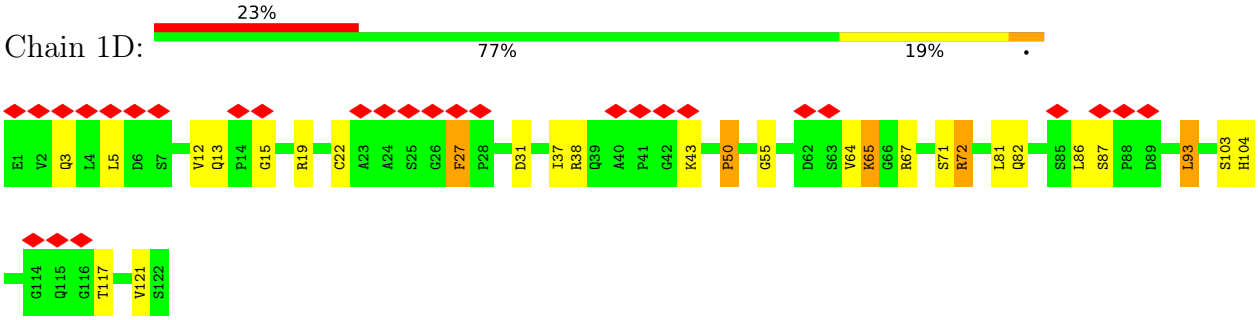
• Molecule 3: HUMAN MONOCLONAL ANTIBODY

Chain 7W:



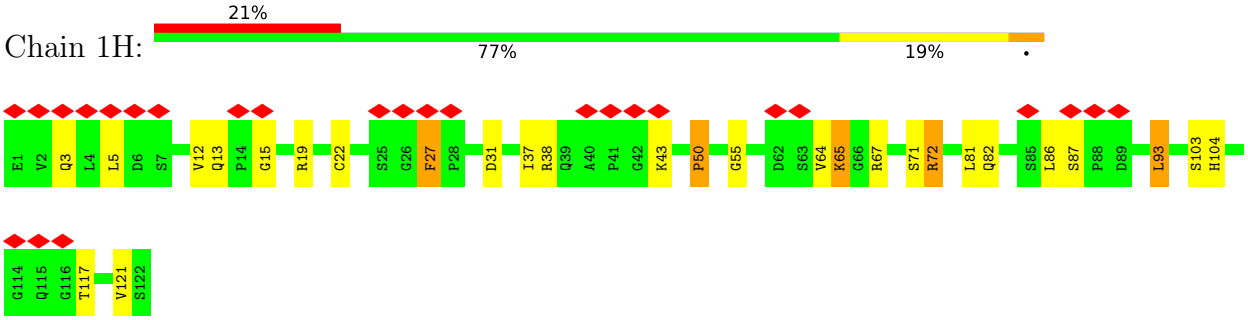
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 1D:



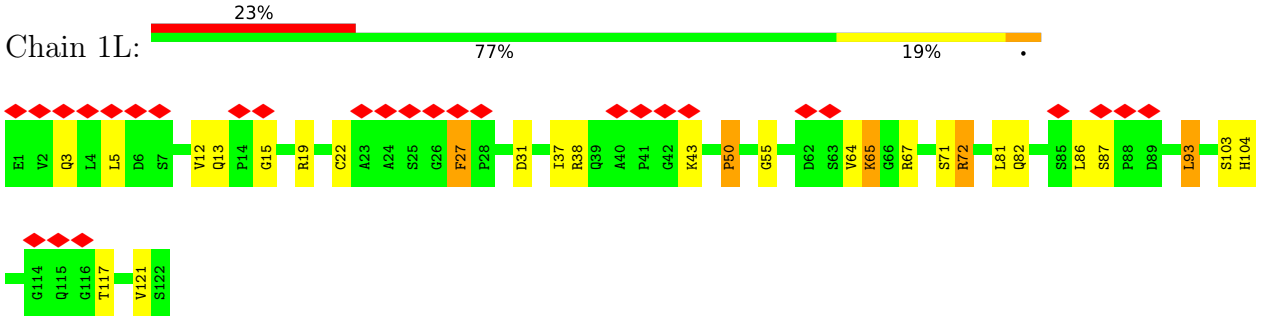
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 1H:



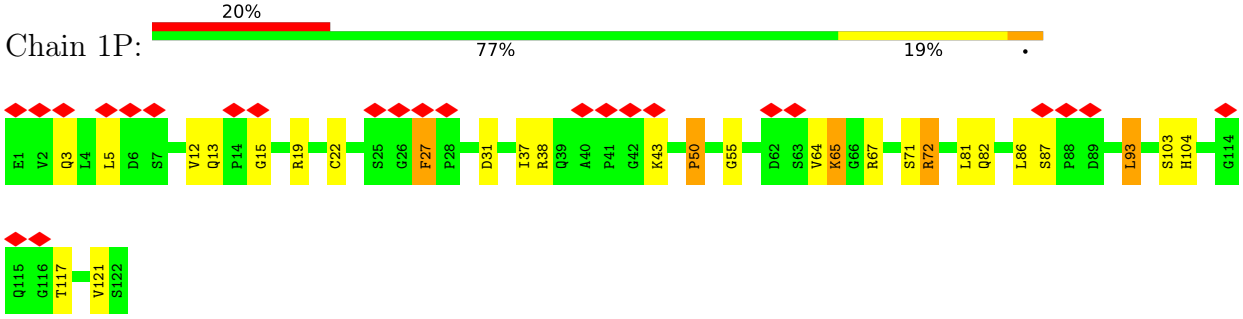
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 1L:



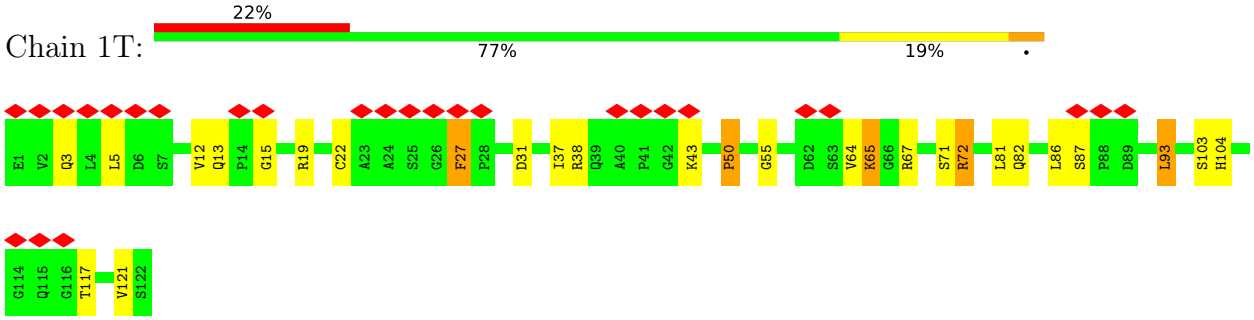
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 1P:



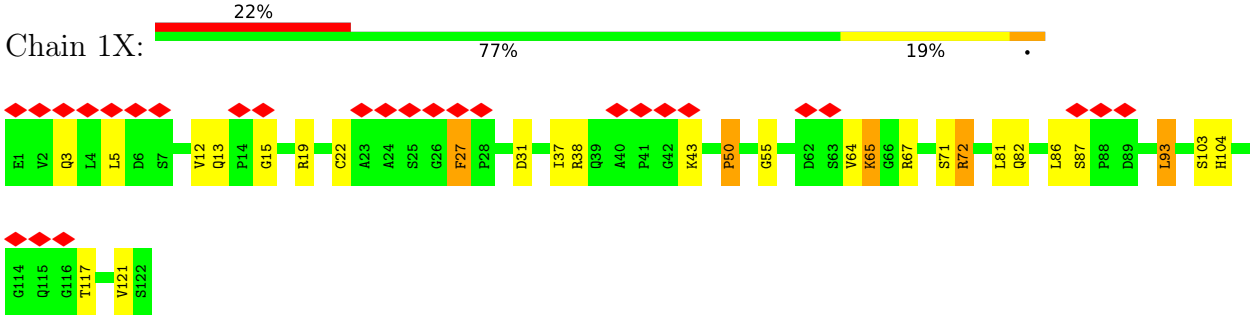
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 1T:



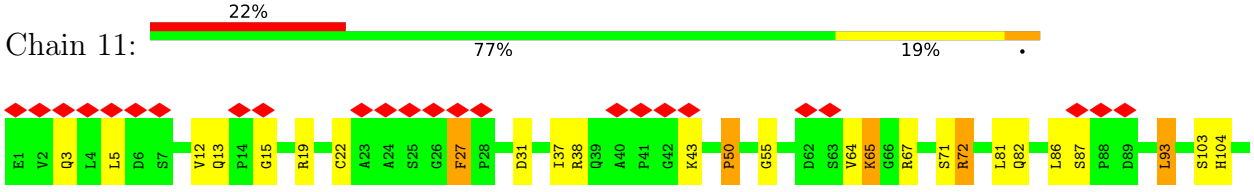
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

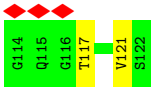
Chain 1X:



• Molecule 4: HUMAN MONOCLONAL ANTIBODY

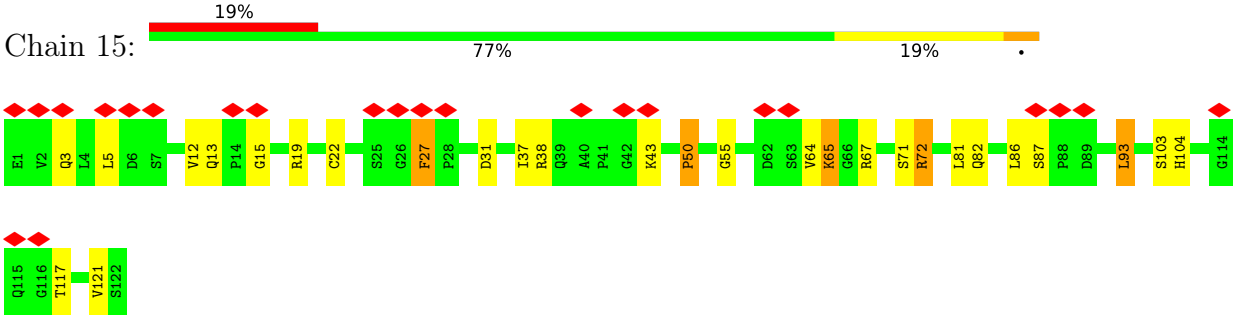
Chain 11:





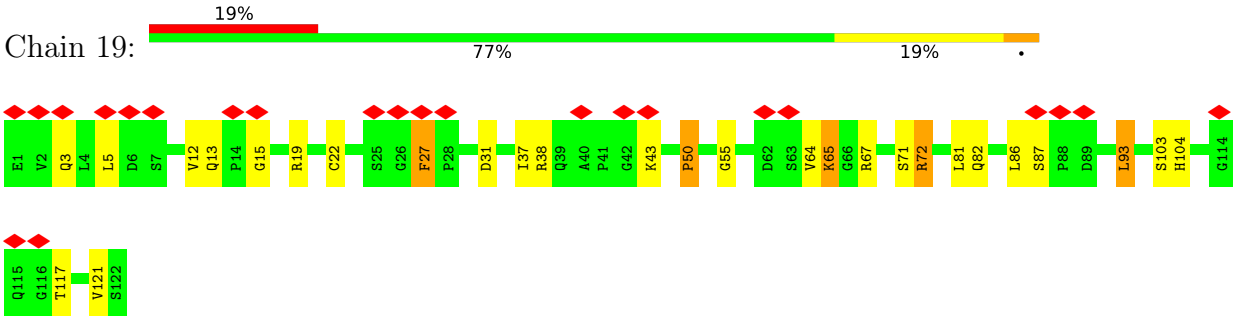
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 15:



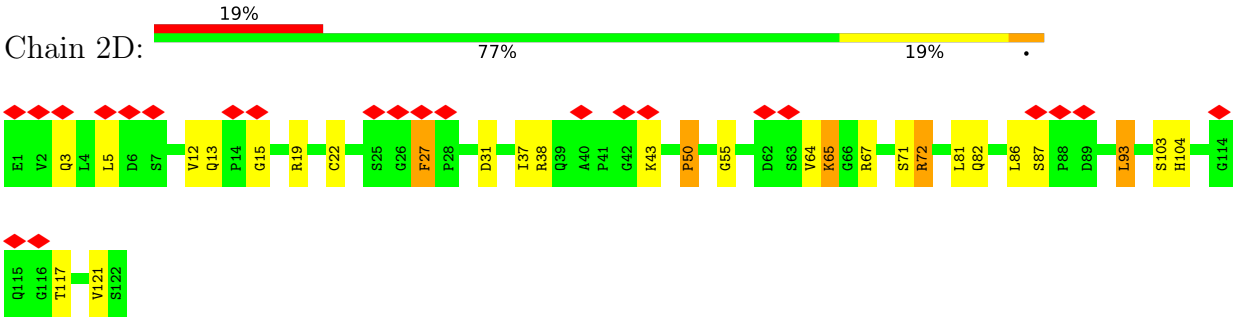
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 19:



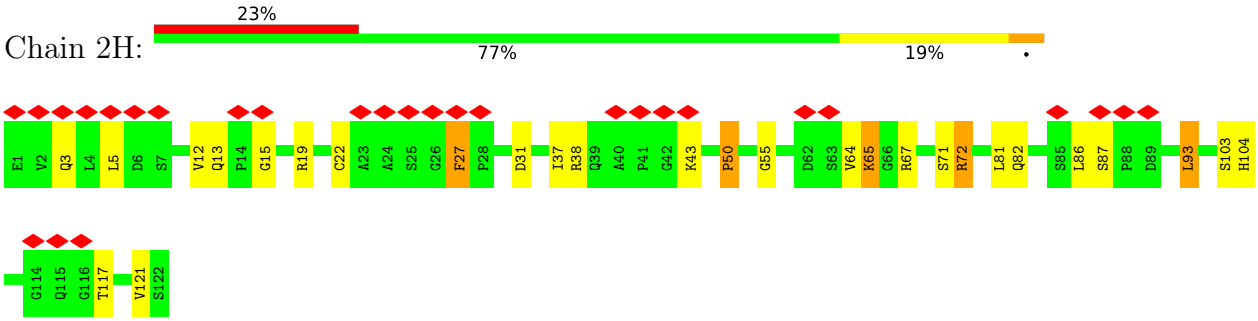
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 2D:



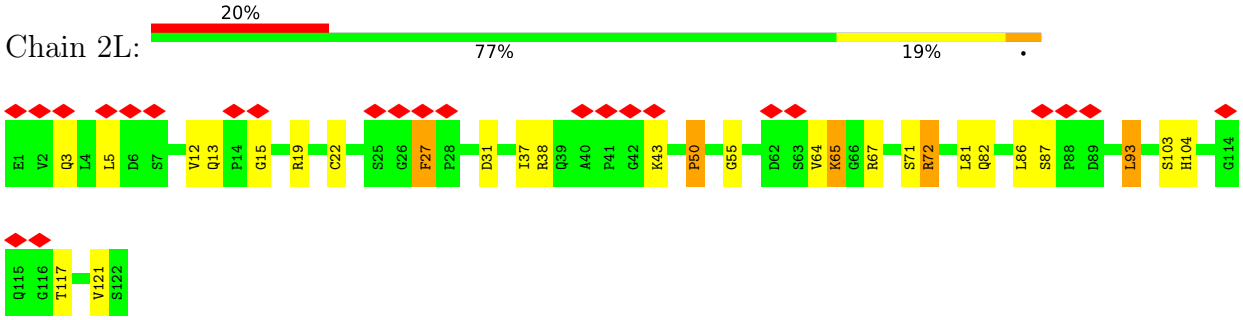
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 2H:



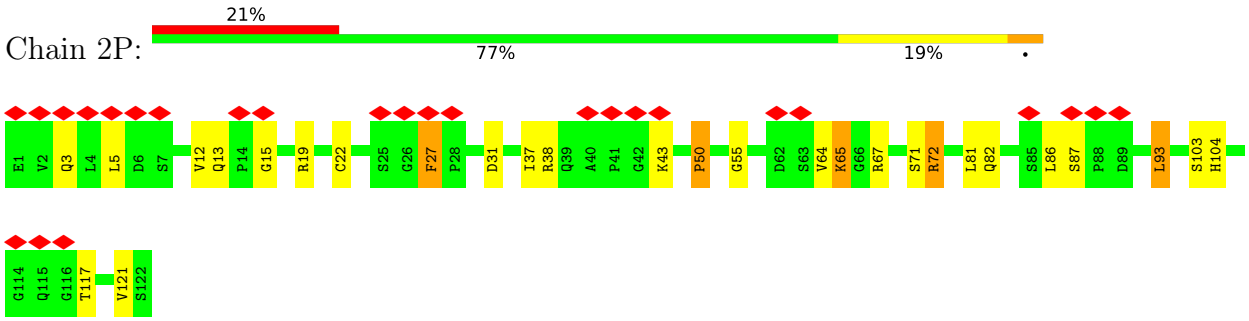
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 2L:



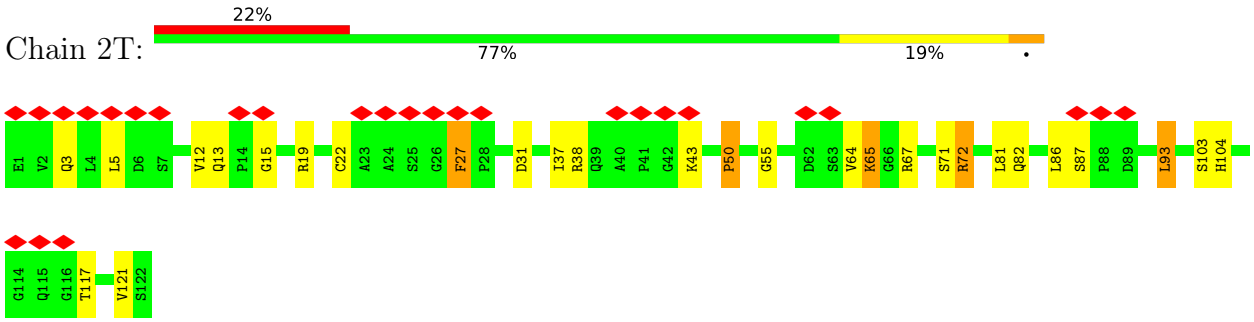
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 2P:



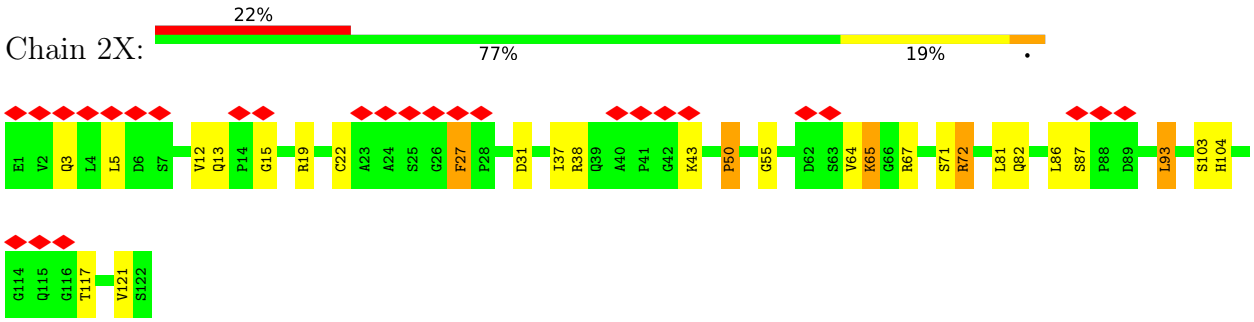
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 2T:



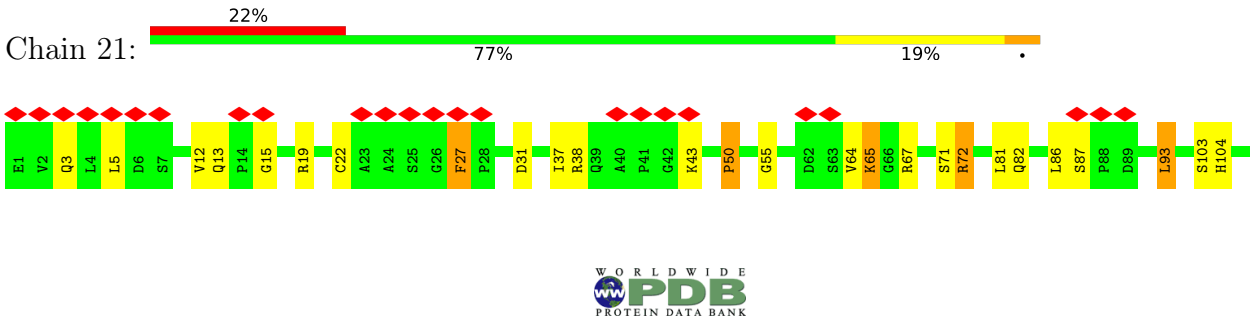
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

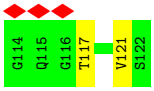
Chain 2X:



• Molecule 4: HUMAN MONOCLONAL ANTIBODY

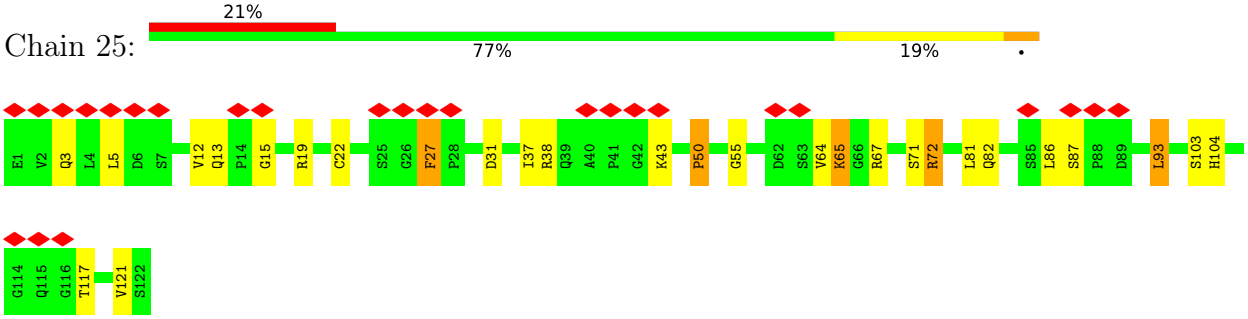
Chain 21:





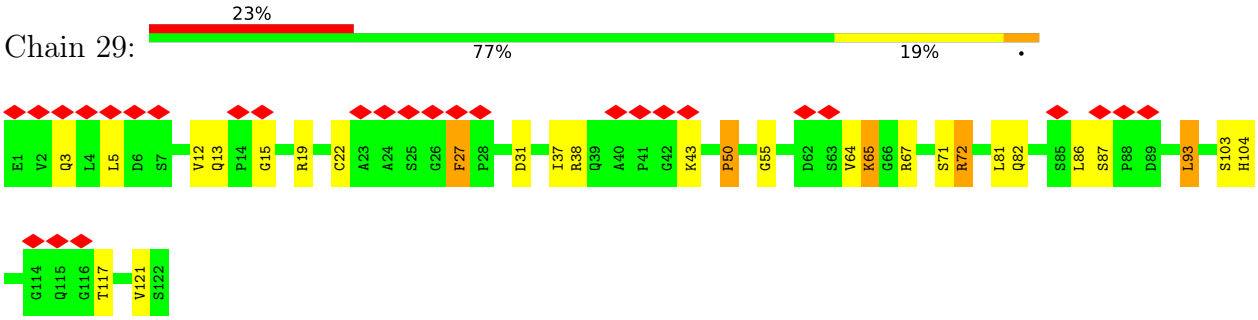
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 25:



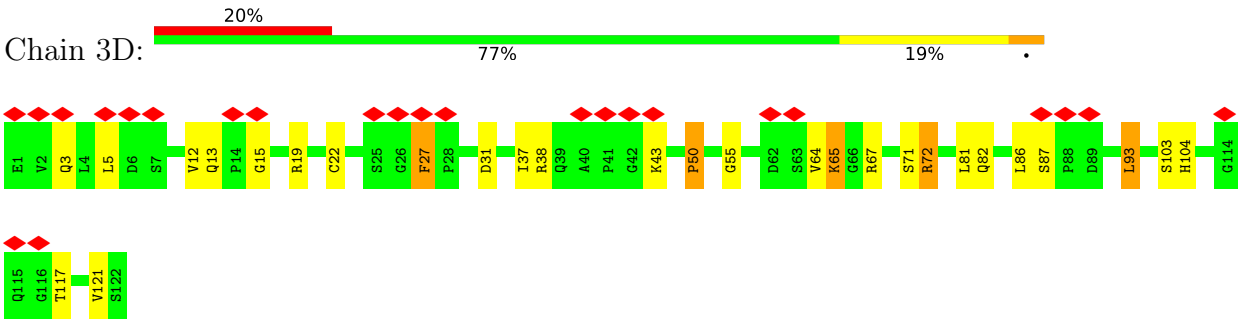
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 29:



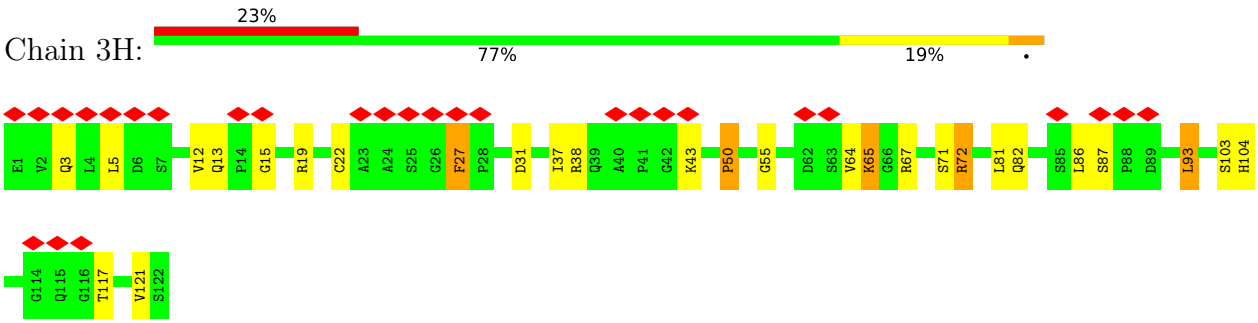
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 3D:



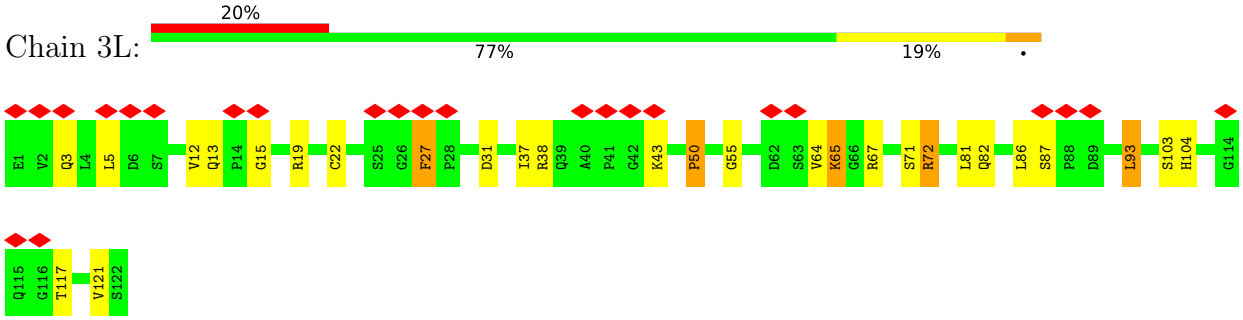
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 3H:



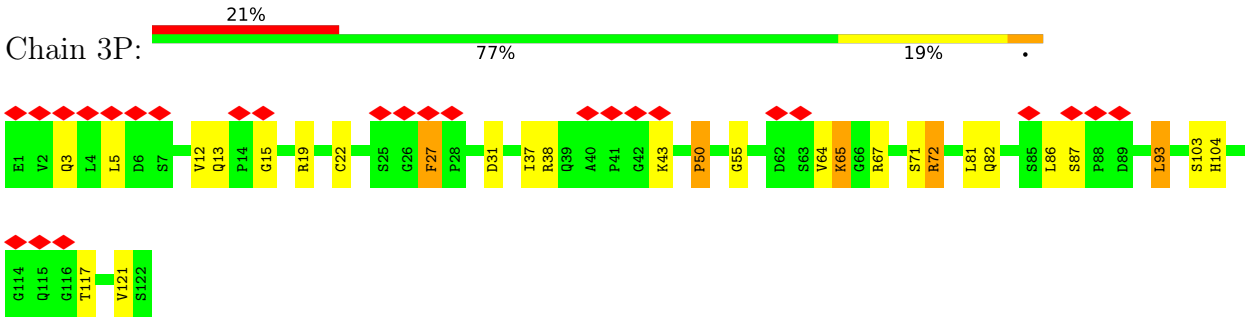
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 3L:



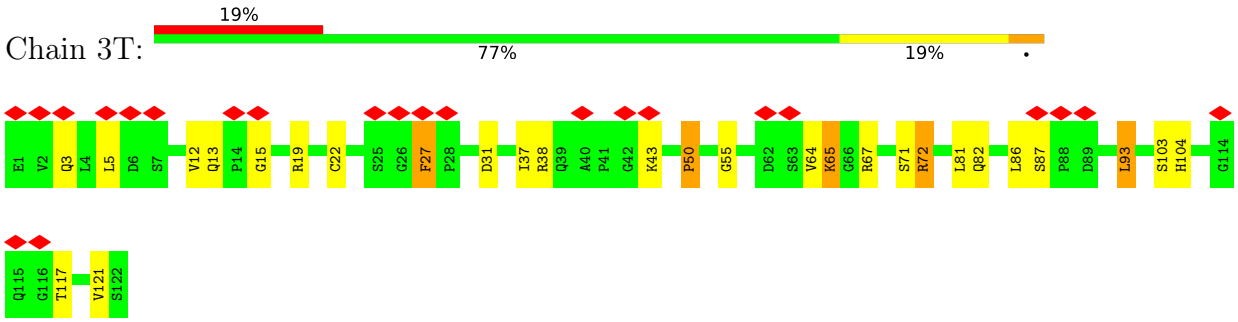
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 3P:



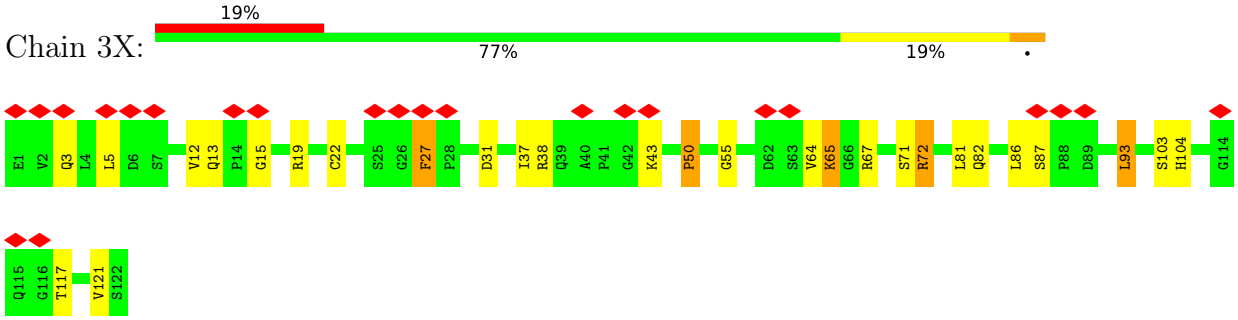
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 3T:



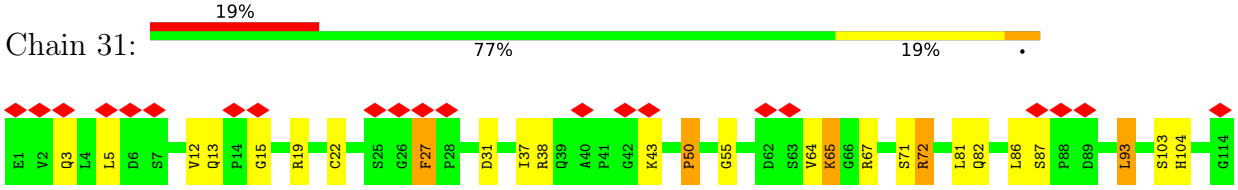
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

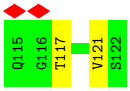
Chain 3X:



• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 31:

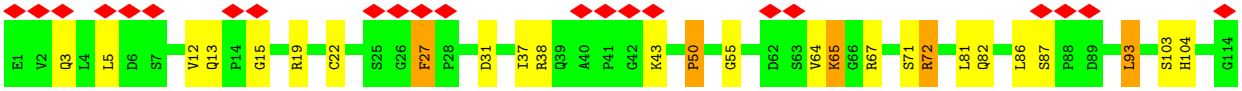


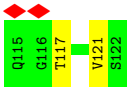


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 35:



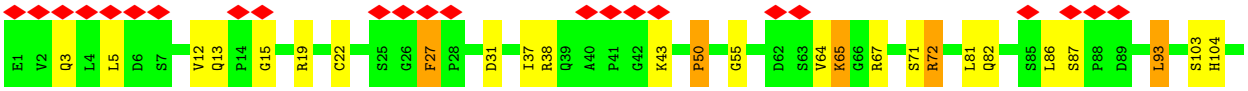


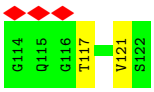


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 39:



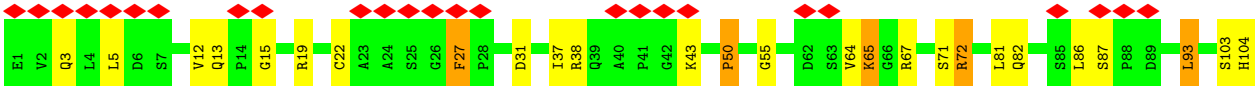


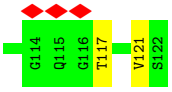


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 4D:



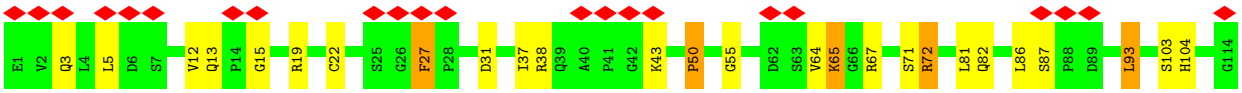


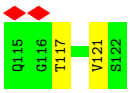


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 4H:

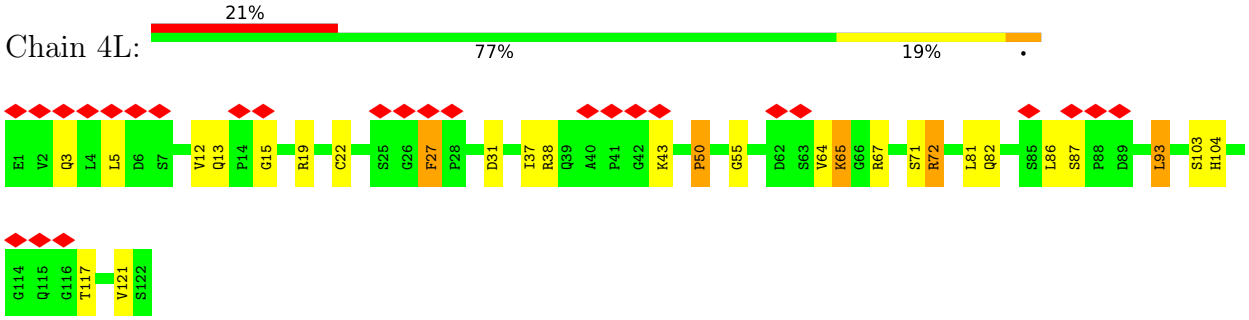






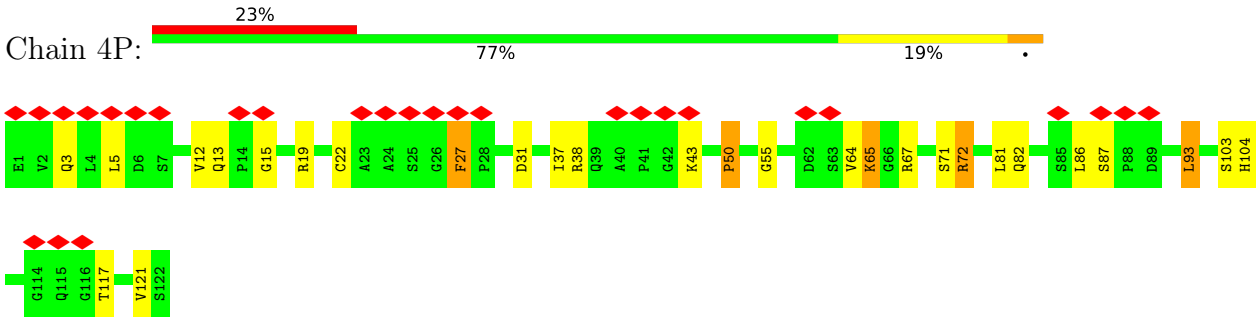
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 4L:



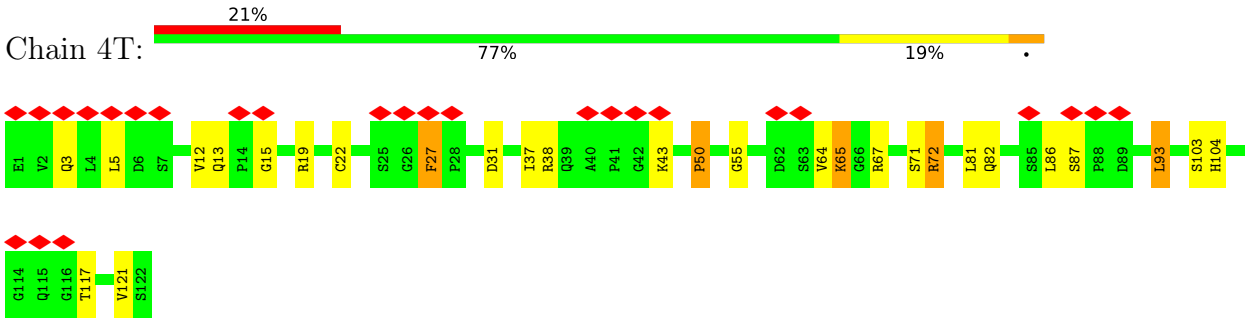
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 4P:



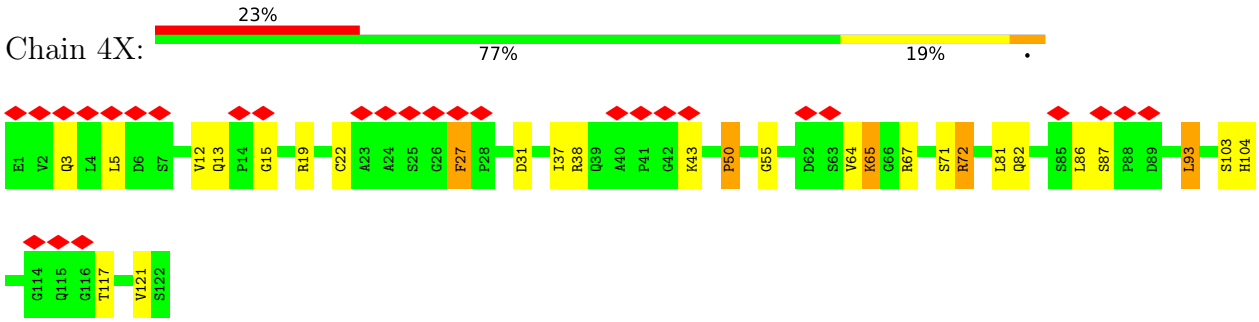
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 4T:



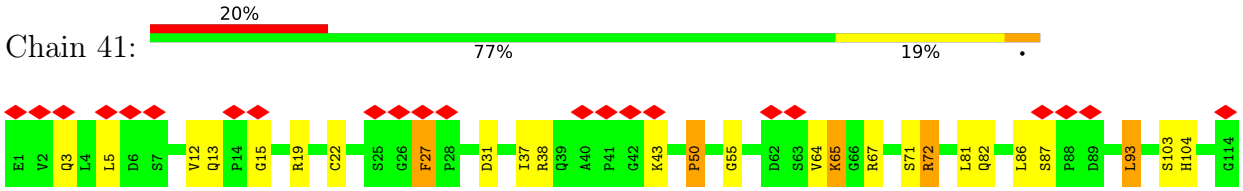
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

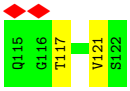
Chain 4X:



• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 41:

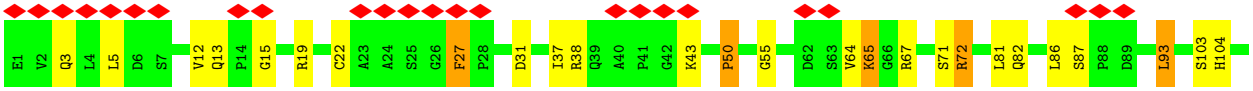


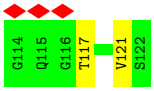


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 45:



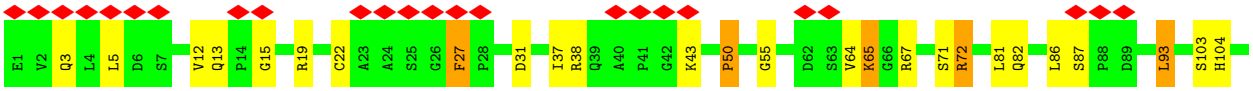


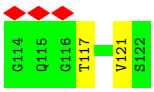


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 49:



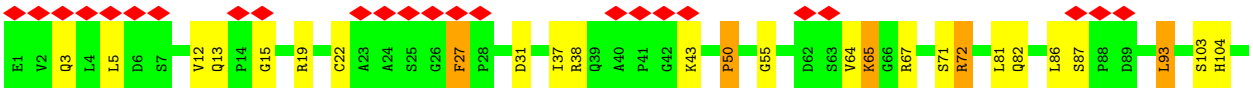


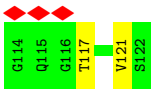


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 5D:



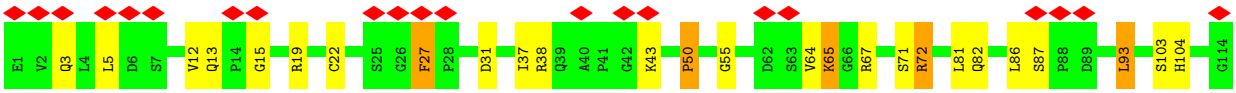


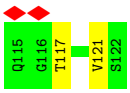


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 5H:

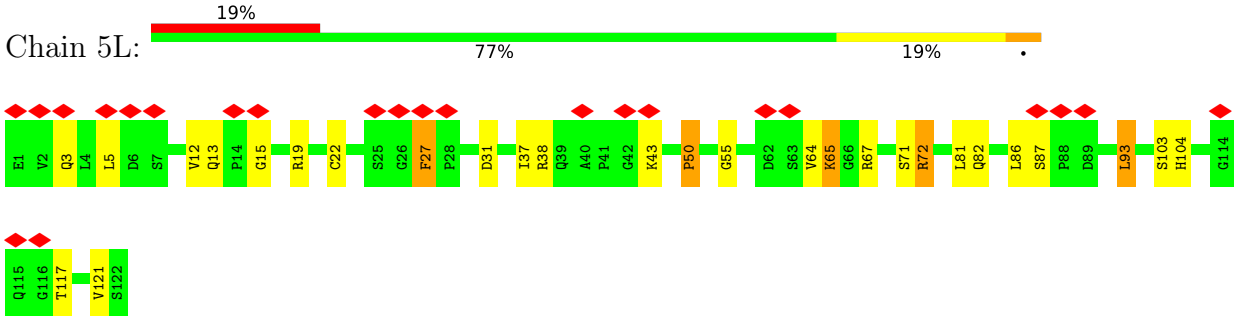






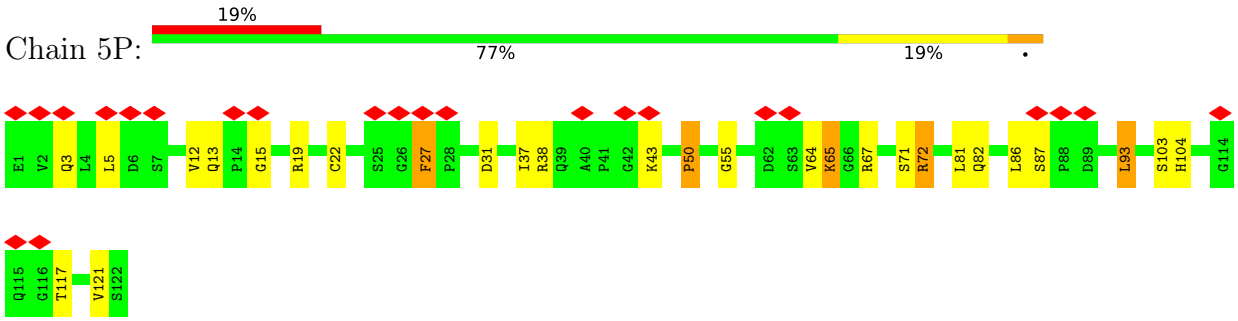
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 5L:



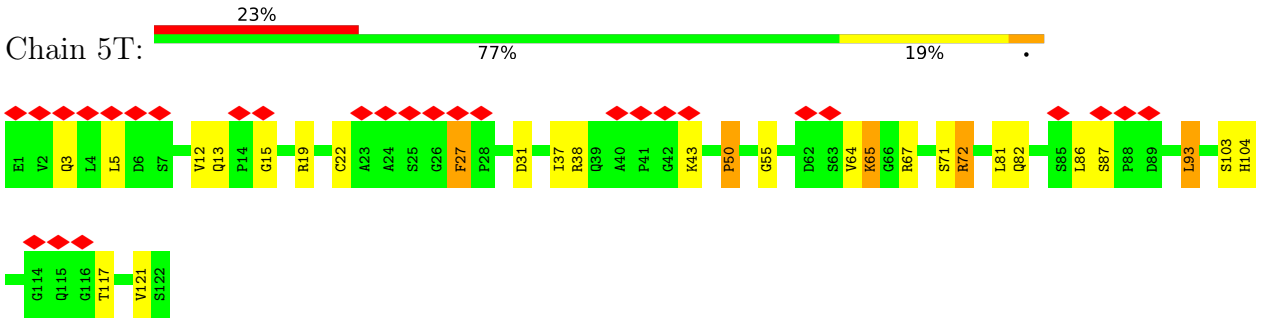
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 5P:



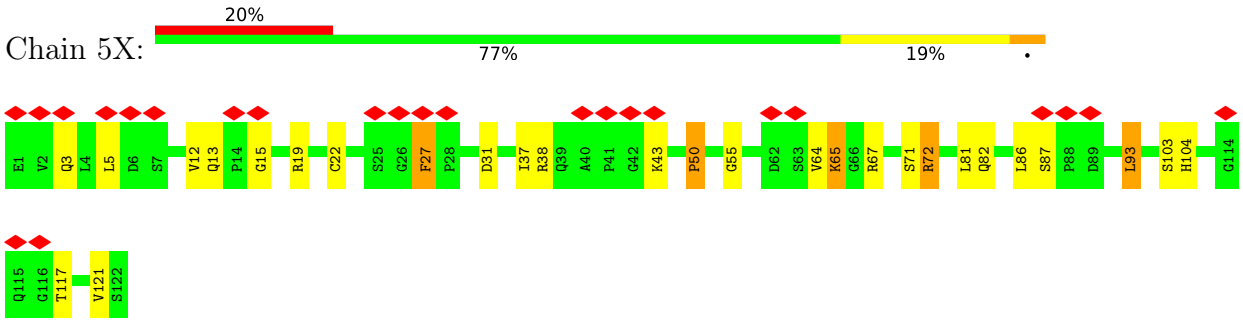
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 5T:



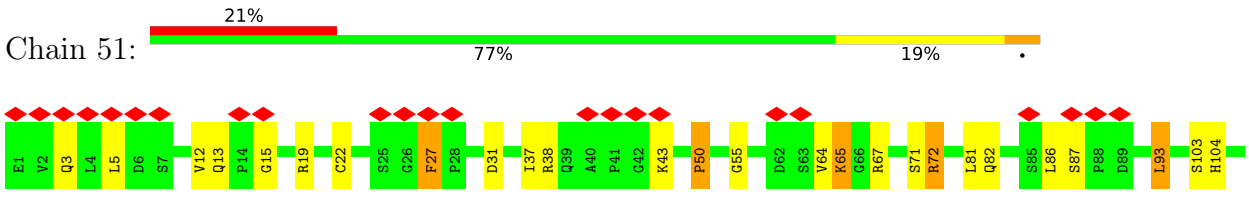
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

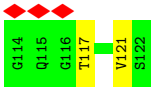
Chain 5X:



• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 51:

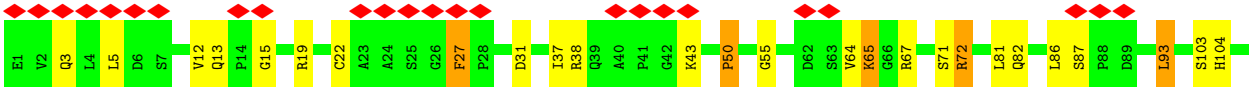


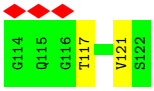


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 55:



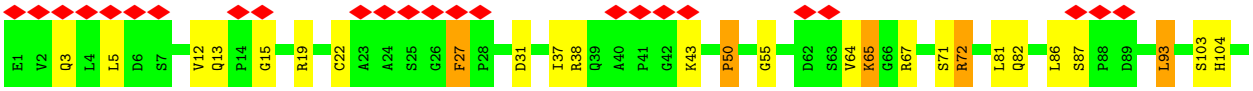


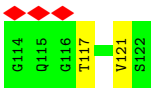


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 59:



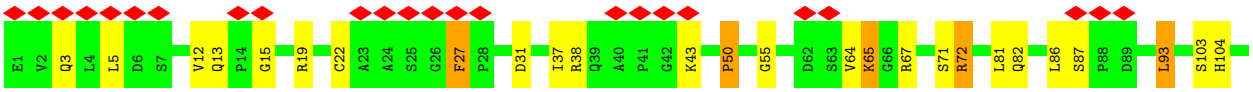


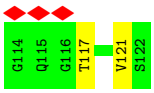


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 6D:



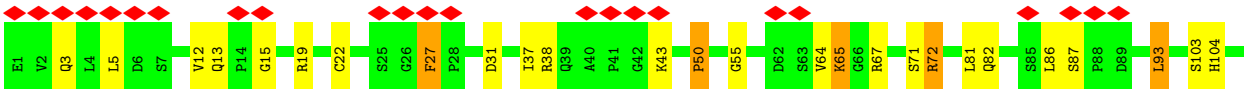


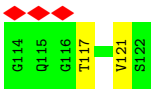


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 6H:

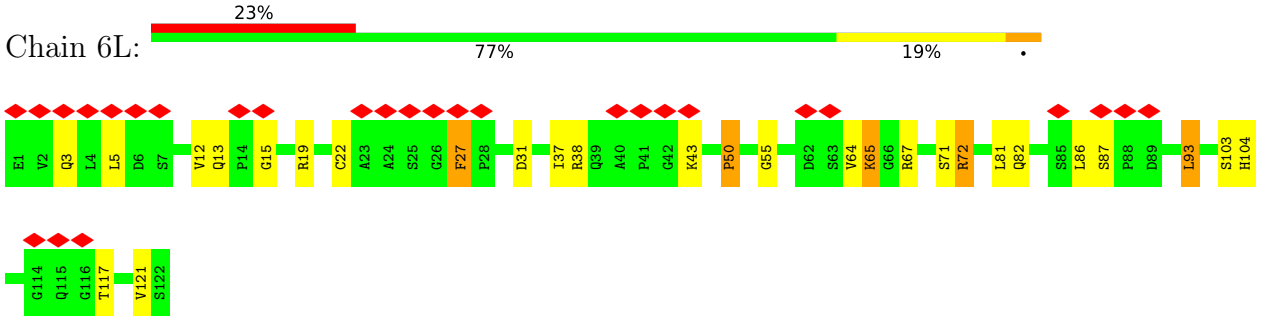






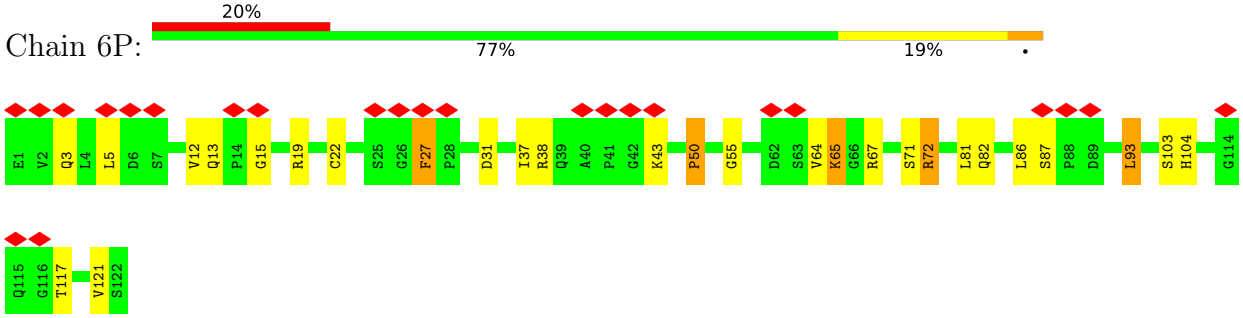
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 6L:



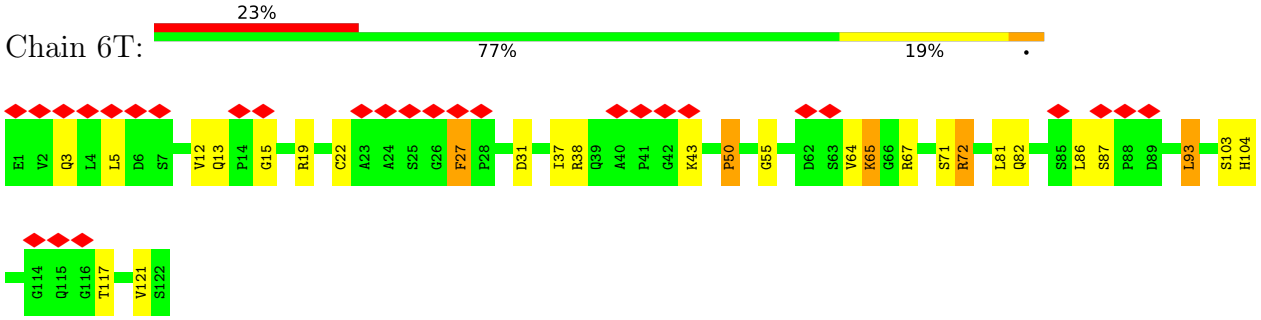
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 6P:



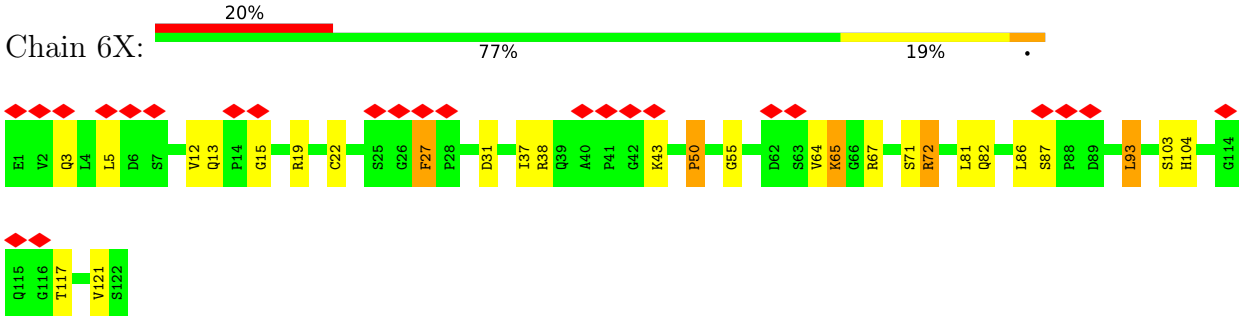
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 6T:



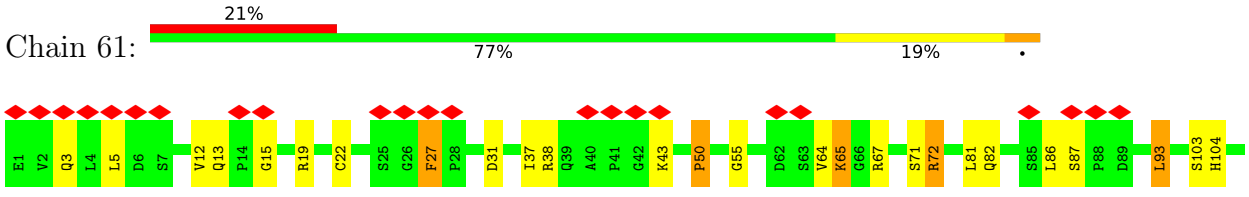
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

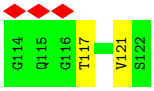
Chain 6X:



• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 61:

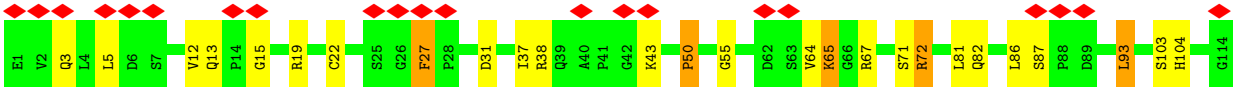


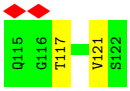


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 65:



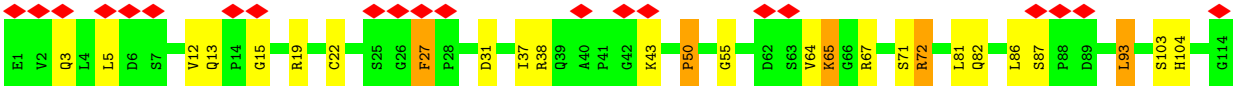


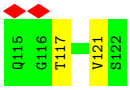


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 69:



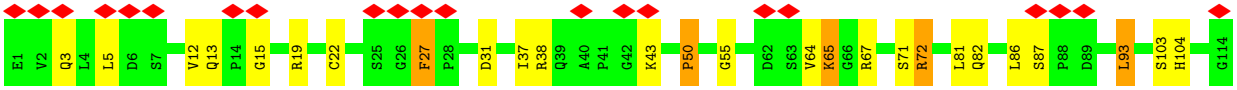


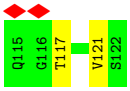


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 7D:



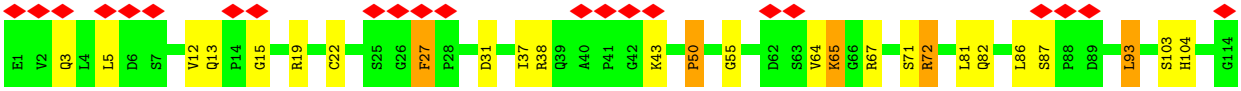


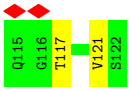


• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 7H:

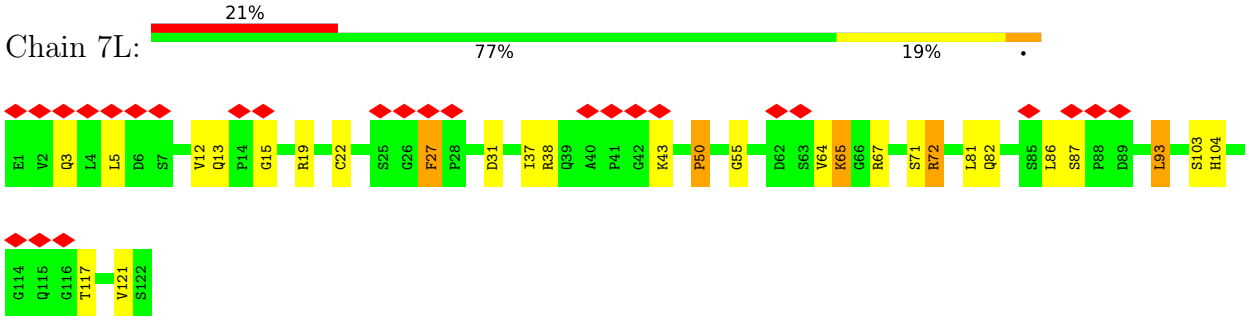






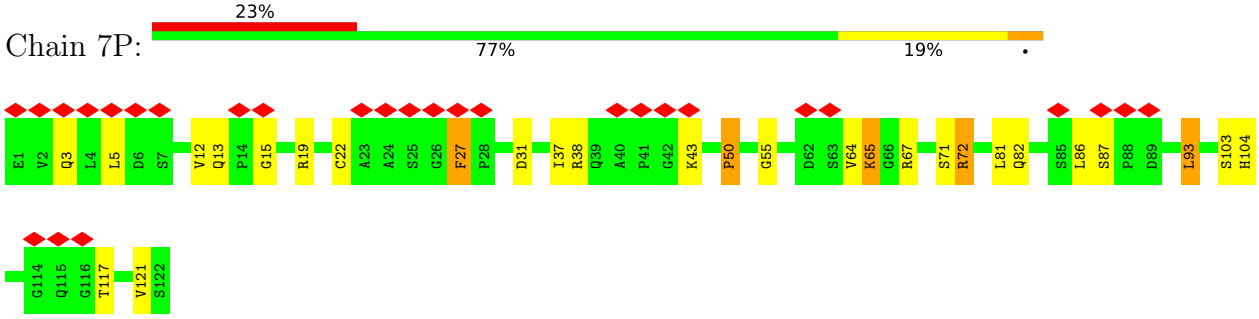
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 7L:



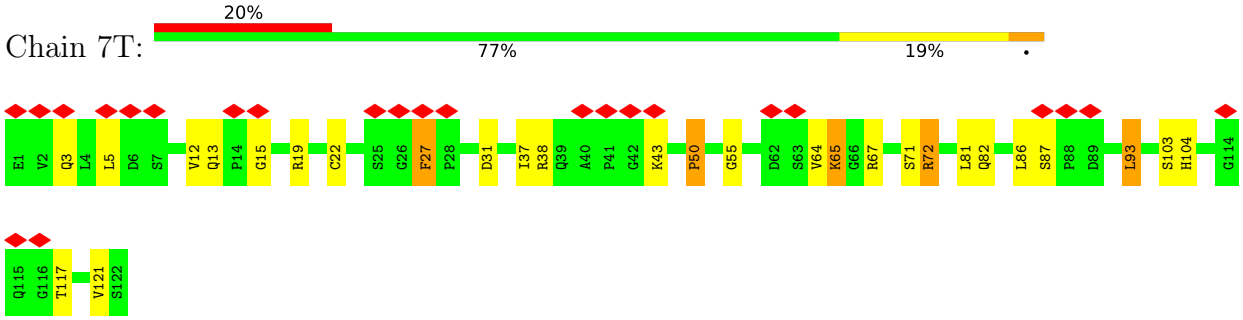
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 7P:



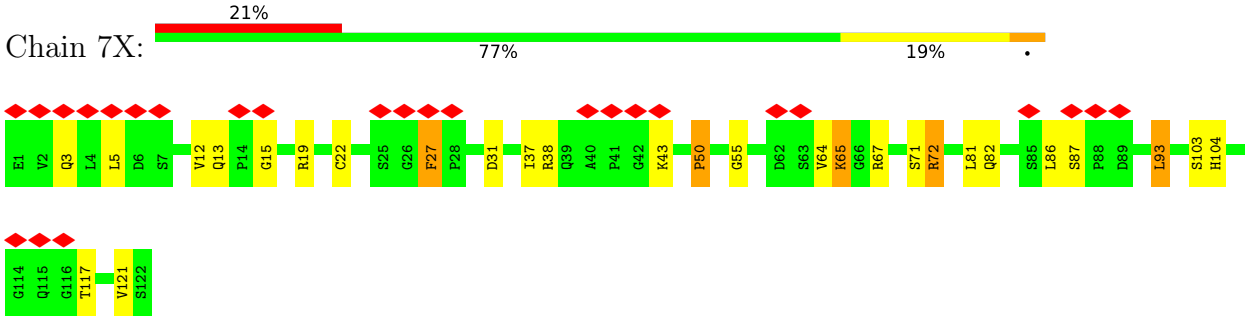
• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 7T:



• Molecule 4: HUMAN MONOCLONAL ANTIBODY

Chain 7X:



4 Experimental information (i)

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, I	Depositor
Number of particles used	270	Depositor
Resolution determination method	Not provided	
CTF correction method	WHOLE MICROGRAPH	Depositor
Microscope	FEI TECNAI F20	Depositor
Voltage (kV)	200	Depositor
Electron dose ($e^-/Å^2$)	20	Depositor
Minimum defocus (nm)	1650	Depositor
Maximum defocus (nm)	4060	Depositor
Magnification	69000	Depositor
Image detector	GENERIC GATAN	Depositor
Maximum map value	32443.000	Depositor
Minimum map value	-4448.000	Depositor
Average map value	3666.095	Depositor
Map value standard deviation	7633.060	Depositor
Recommended contour level	7999	Depositor
Map size (Å)	436.17, 436.17, 436.17	wwPDB
Map dimensions	201, 201, 201	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	2.17, 2.17, 2.17	Depositor

5 Model quality

5.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#$\|Z\|$ >5	RMSZ	#$\|Z\|$ >5
1	12	10.40	482/1486 (32.4%)	8.02	615/2019 (30.5%)
1	16	10.40	482/1486 (32.4%)	8.02	615/2019 (30.5%)
1	1A	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	1E	10.41	483/1486 (32.5%)	8.02	615/2019 (30.5%)
1	1I	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	1M	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	1Q	10.40	483/1486 (32.5%)	8.02	614/2019 (30.4%)
1	1U	10.40	483/1486 (32.5%)	8.02	614/2019 (30.4%)
1	1Y	10.40	483/1486 (32.5%)	8.02	614/2019 (30.4%)
1	22	10.41	483/1486 (32.5%)	8.02	615/2019 (30.5%)
1	26	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	2A	10.40	482/1486 (32.4%)	8.02	615/2019 (30.5%)
1	2E	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	2I	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	2M	10.41	483/1486 (32.5%)	8.02	615/2019 (30.5%)
1	2Q	10.40	483/1486 (32.5%)	8.02	614/2019 (30.4%)
1	2U	10.40	483/1486 (32.5%)	8.02	614/2019 (30.4%)
1	2Y	10.40	483/1486 (32.5%)	8.02	614/2019 (30.4%)
1	32	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	36	10.41	483/1486 (32.5%)	8.02	615/2019 (30.5%)
1	3A	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	3E	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	3I	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	3M	10.41	483/1486 (32.5%)	8.02	615/2019 (30.5%)
1	3Q	10.40	482/1486 (32.4%)	8.02	615/2019 (30.5%)
1	3U	10.40	482/1486 (32.4%)	8.02	615/2019 (30.5%)
1	3Y	10.40	482/1486 (32.4%)	8.02	615/2019 (30.5%)
1	42	10.40	483/1486 (32.5%)	8.02	614/2019 (30.4%)
1	46	10.40	483/1486 (32.5%)	8.02	614/2019 (30.4%)
1	4A	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	4E	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	4I	10.41	483/1486 (32.5%)	8.02	615/2019 (30.5%)
1	4M	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	4Q	10.41	483/1486 (32.5%)	8.02	615/2019 (30.5%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
1	4U	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	4Y	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	52	10.40	483/1486 (32.5%)	8.02	614/2019 (30.4%)
1	56	10.40	483/1486 (32.5%)	8.02	614/2019 (30.4%)
1	5A	10.40	483/1486 (32.5%)	8.02	614/2019 (30.4%)
1	5E	10.40	482/1486 (32.4%)	8.02	615/2019 (30.5%)
1	5I	10.40	482/1486 (32.4%)	8.02	615/2019 (30.5%)
1	5M	10.40	482/1486 (32.4%)	8.02	615/2019 (30.5%)
1	5Q	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	5U	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	5Y	10.41	483/1486 (32.5%)	8.02	615/2019 (30.5%)
1	62	10.40	482/1486 (32.4%)	8.02	615/2019 (30.5%)
1	66	10.40	482/1486 (32.4%)	8.02	615/2019 (30.5%)
1	6A	10.40	483/1486 (32.5%)	8.02	614/2019 (30.4%)
1	6E	10.41	483/1486 (32.5%)	8.02	615/2019 (30.5%)
1	6I	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	6M	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	6Q	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	6U	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	6Y	10.41	483/1486 (32.5%)	8.02	615/2019 (30.5%)
1	7A	10.40	482/1486 (32.4%)	8.02	615/2019 (30.5%)
1	7E	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	7I	10.41	483/1486 (32.5%)	8.02	615/2019 (30.5%)
1	7M	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	7Q	10.41	482/1486 (32.4%)	8.02	614/2019 (30.4%)
1	7U	10.41	483/1486 (32.5%)	8.02	615/2019 (30.5%)
2	13	9.87	497/1865 (26.6%)	7.04	646/2550 (25.3%)
2	17	9.87	497/1865 (26.6%)	7.04	646/2550 (25.3%)
2	1B	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	1F	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	1J	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	1N	9.87	497/1865 (26.6%)	7.04	648/2550 (25.4%)
2	1R	9.87	496/1865 (26.6%)	7.04	647/2550 (25.4%)
2	1V	9.87	496/1865 (26.6%)	7.04	647/2550 (25.4%)
2	1Z	9.87	496/1865 (26.6%)	7.04	647/2550 (25.4%)
2	23	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	27	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	2B	9.87	497/1865 (26.6%)	7.04	646/2550 (25.3%)
2	2F	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	2J	9.87	497/1865 (26.6%)	7.04	648/2550 (25.4%)
2	2N	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	2R	9.87	496/1865 (26.6%)	7.04	647/2550 (25.4%)
2	2V	9.87	496/1865 (26.6%)	7.04	647/2550 (25.4%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
2	2Z	9.87	496/1865 (26.6%)	7.04	647/2550 (25.4%)
2	33	9.87	497/1865 (26.6%)	7.04	648/2550 (25.4%)
2	37	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	3B	9.87	497/1865 (26.6%)	7.04	648/2550 (25.4%)
2	3F	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	3J	9.87	497/1865 (26.6%)	7.04	648/2550 (25.4%)
2	3N	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	3R	9.87	497/1865 (26.6%)	7.04	646/2550 (25.3%)
2	3V	9.87	497/1865 (26.6%)	7.04	646/2550 (25.3%)
2	3Z	9.87	497/1865 (26.6%)	7.04	646/2550 (25.3%)
2	43	9.87	496/1865 (26.6%)	7.04	647/2550 (25.4%)
2	47	9.87	496/1865 (26.6%)	7.04	647/2550 (25.4%)
2	4B	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	4F	9.87	497/1865 (26.6%)	7.04	648/2550 (25.4%)
2	4J	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	4N	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	4R	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	4V	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	4Z	9.87	497/1865 (26.6%)	7.04	648/2550 (25.4%)
2	53	9.87	496/1865 (26.6%)	7.04	647/2550 (25.4%)
2	57	9.87	496/1865 (26.6%)	7.04	647/2550 (25.4%)
2	5B	9.87	496/1865 (26.6%)	7.04	647/2550 (25.4%)
2	5F	9.87	497/1865 (26.6%)	7.04	646/2550 (25.3%)
2	5J	9.87	497/1865 (26.6%)	7.04	646/2550 (25.3%)
2	5N	9.87	497/1865 (26.6%)	7.04	646/2550 (25.3%)
2	5R	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	5V	9.87	497/1865 (26.6%)	7.04	648/2550 (25.4%)
2	5Z	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	63	9.87	497/1865 (26.6%)	7.04	646/2550 (25.3%)
2	67	9.87	497/1865 (26.6%)	7.04	646/2550 (25.3%)
2	6B	9.87	496/1865 (26.6%)	7.04	647/2550 (25.4%)
2	6F	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	6J	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	6N	9.87	497/1865 (26.6%)	7.04	648/2550 (25.4%)
2	6R	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	6V	9.87	497/1865 (26.6%)	7.04	648/2550 (25.4%)
2	6Z	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	7B	9.87	497/1865 (26.6%)	7.04	646/2550 (25.3%)
2	7F	9.87	497/1865 (26.6%)	7.04	648/2550 (25.4%)
2	7J	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	7N	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)
2	7R	9.87	497/1865 (26.6%)	7.04	648/2550 (25.4%)
2	7V	9.87	497/1865 (26.6%)	7.04	647/2550 (25.4%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
3	10	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	14	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	18	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	1C	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	1G	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	1K	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	1O	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	1S	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	1W	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	20	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	24	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	28	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	2C	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	2G	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	2K	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	2O	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	2S	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	2W	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	30	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	34	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	38	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	3C	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	3G	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	3K	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	3O	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	3S	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	3W	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	40	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	44	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	48	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	4C	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	4G	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	4K	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	4O	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	4S	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	4W	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	50	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	54	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	58	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	5C	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	5G	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	5K	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	5O	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
3	5S	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	5W	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	60	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	64	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	68	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	6C	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	6G	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	6K	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	6O	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	6S	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	6W	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	7C	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	7G	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	7K	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	7O	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	7S	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
3	7W	1.00	1/1043 (0.1%)	1.60	18/1411 (1.3%)
4	11	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	15	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	19	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	1D	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	1H	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	1L	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	1P	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	1T	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	1X	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	21	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	25	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	29	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	2D	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	2H	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	2L	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	2P	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	2T	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	2X	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	31	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	35	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	39	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	3D	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	3H	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	3L	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	3P	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	3T	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
4	3X	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	41	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	45	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	49	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	4D	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	4H	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	4L	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	4P	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	4T	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	4X	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	51	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	55	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	59	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	5D	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	5H	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	5L	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	5P	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	5T	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	5X	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	61	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	65	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	69	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	6D	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	6H	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	6L	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	6P	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	6T	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	6X	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	7D	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	7H	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	7L	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	7P	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	7T	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
4	7X	1.10	1/1081 (0.1%)	1.69	21/1461 (1.4%)
All	All	7.94	58872/328500 (17.9%)	5.96	78024/446460 (17.5%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
1	12	5	81

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Mol	Chain	#Chirality outliers	#Planarity outliers
1	16	5	81
1	1A	5	81
1	1E	5	81
1	1I	5	81
1	1M	5	81
1	1Q	5	81
1	1U	5	81
1	1Y	5	81
1	22	5	81
1	26	5	81
1	2A	5	81
1	2E	5	81
1	2I	5	81
1	2M	5	81
1	2Q	5	81
1	2U	5	81
1	2Y	5	81
1	32	5	81
1	36	5	81
1	3A	5	81
1	3E	5	81
1	3I	5	81
1	3M	5	81
1	3Q	5	81
1	3U	5	81
1	3Y	5	81
1	42	5	81
1	46	5	81
1	4A	5	81
1	4E	5	81
1	4I	5	81
1	4M	5	81
1	4Q	5	81
1	4U	5	81
1	4Y	5	81
1	52	5	81
1	56	5	81
1	5A	5	81
1	5E	5	81
1	5I	5	81
1	5M	5	81
1	5Q	5	81

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Mol	Chain	#Chirality outliers	#Planarity outliers
1	5U	5	81
1	5Y	5	81
1	62	5	81
1	66	5	81
1	6A	5	81
1	6E	5	81
1	6I	5	81
1	6M	5	81
1	6Q	5	81
1	6U	5	81
1	6Y	5	81
1	7A	5	81
1	7E	5	81
1	7I	5	81
1	7M	5	81
1	7Q	5	81
1	7U	5	81
2	13	5	70
2	17	5	70
2	1B	5	70
2	1F	5	70
2	1J	5	70
2	1N	5	70
2	1R	5	70
2	1V	5	70
2	1Z	5	70
2	23	5	70
2	27	5	70
2	2B	5	70
2	2F	5	70
2	2J	5	70
2	2N	5	70
2	2R	5	70
2	2V	5	70
2	2Z	5	70
2	33	5	70
2	37	5	70
2	3B	5	70
2	3F	5	70
2	3J	5	70
2	3N	5	70
2	3R	5	70

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Mol	Chain	#Chirality outliers	#Planarity outliers
2	3V	5	70
2	3Z	5	70
2	43	5	70
2	47	5	70
2	4B	5	70
2	4F	5	70
2	4J	5	70
2	4N	5	70
2	4R	5	70
2	4V	5	70
2	4Z	5	70
2	53	5	70
2	57	5	70
2	5B	5	70
2	5F	5	70
2	5J	5	70
2	5N	5	70
2	5R	5	70
2	5V	5	70
2	5Z	5	70
2	63	5	70
2	67	5	70
2	6B	5	70
2	6F	5	70
2	6J	5	70
2	6N	5	70
2	6R	5	70
2	6V	5	70
2	6Z	5	70
2	7B	5	70
2	7F	5	70
2	7J	5	70
2	7N	5	70
2	7R	5	70
2	7V	5	70
3	10	1	0
3	14	1	0
3	18	1	0
3	1C	1	0
3	1G	1	0
3	1K	1	0
3	1O	1	0

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Mol	Chain	#Chirality outliers	#Planarity outliers
3	1S	1	0
3	1W	1	0
3	20	1	0
3	24	1	0
3	28	1	0
3	2C	1	0
3	2G	1	0
3	2K	1	0
3	2O	1	0
3	2S	1	0
3	2W	1	0
3	30	1	0
3	34	1	0
3	38	1	0
3	3C	1	0
3	3G	1	0
3	3K	1	0
3	3O	1	0
3	3S	1	0
3	3W	1	0
3	40	1	0
3	44	1	0
3	48	1	0
3	4C	1	0
3	4G	1	0
3	4K	1	0
3	4O	1	0
3	4S	1	0
3	4W	1	0
3	50	1	0
3	54	1	0
3	58	1	0
3	5C	1	0
3	5G	1	0
3	5K	1	0
3	5O	1	0
3	5S	1	0
3	5W	1	0
3	60	1	0
3	64	1	0
3	68	1	0
3	6C	1	0

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Mol	Chain	#Chirality outliers	#Planarity outliers
3	6G	1	0
3	6K	1	0
3	6O	1	0
3	6S	1	0
3	6W	1	0
3	7C	1	0
3	7G	1	0
3	7K	1	0
3	7O	1	0
3	7S	1	0
3	7W	1	0
4	11	1	1
4	15	1	1
4	19	1	1
4	1D	1	1
4	1H	1	1
4	1L	1	1
4	1P	1	1
4	1T	1	1
4	1X	1	1
4	21	1	1
4	25	1	1
4	29	1	1
4	2D	1	1
4	2H	1	1
4	2L	1	1
4	2P	1	1
4	2T	1	1
4	2X	1	1
4	31	1	1
4	35	1	1
4	39	1	1
4	3D	1	1
4	3H	1	1
4	3L	1	1
4	3P	1	1
4	3T	1	1
4	3X	1	1
4	41	1	1
4	45	1	1
4	49	1	1
4	4D	1	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
4	4H	1	1
4	4L	1	1
4	4P	1	1
4	4T	1	1
4	4X	1	1
4	51	1	1
4	55	1	1
4	59	1	1
4	5D	1	1
4	5H	1	1
4	5L	1	1
4	5P	1	1
4	5T	1	1
4	5X	1	1
4	61	1	1
4	65	1	1
4	69	1	1
4	6D	1	1
4	6H	1	1
4	6L	1	1
4	6P	1	1
4	6T	1	1
4	6X	1	1
4	7D	1	1
4	7H	1	1
4	7L	1	1
4	7P	1	1
4	7T	1	1
4	7X	1	1
All	All	720	9120

All (58872) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1F	108	HIS	ND1-CE1	73.61	2.06	1.32
2	2N	108	HIS	ND1-CE1	73.61	2.06	1.32
2	23	108	HIS	ND1-CE1	73.61	2.06	1.32
2	3N	108	HIS	ND1-CE1	73.61	2.06	1.32
2	37	108	HIS	ND1-CE1	73.61	2.06	1.32
2	4J	108	HIS	ND1-CE1	73.61	2.06	1.32
2	4R	108	HIS	ND1-CE1	73.61	2.06	1.32
2	5Z	108	HIS	ND1-CE1	73.61	2.06	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	108	HIS	ND1-CE1	73.61	2.06	1.32
2	6Z	108	HIS	ND1-CE1	73.61	2.06	1.32
2	7J	108	HIS	ND1-CE1	73.61	2.06	1.32
2	7V	108	HIS	ND1-CE1	73.61	2.06	1.32
2	1R	108	HIS	ND1-CE1	73.57	2.06	1.32
2	1V	108	HIS	ND1-CE1	73.57	2.06	1.32
2	1Z	108	HIS	ND1-CE1	73.57	2.06	1.32
2	2R	108	HIS	ND1-CE1	73.57	2.06	1.32
2	2V	108	HIS	ND1-CE1	73.57	2.06	1.32
2	2Z	108	HIS	ND1-CE1	73.57	2.06	1.32
2	43	108	HIS	ND1-CE1	73.57	2.06	1.32
2	47	108	HIS	ND1-CE1	73.57	2.06	1.32
2	5B	108	HIS	ND1-CE1	73.57	2.06	1.32
2	53	108	HIS	ND1-CE1	73.57	2.06	1.32
2	57	108	HIS	ND1-CE1	73.57	2.06	1.32
2	6B	108	HIS	ND1-CE1	73.57	2.06	1.32
2	1B	108	HIS	ND1-CE1	73.55	2.06	1.32
2	1J	108	HIS	ND1-CE1	73.55	2.06	1.32
2	2F	108	HIS	ND1-CE1	73.55	2.06	1.32
2	27	108	HIS	ND1-CE1	73.55	2.06	1.32
2	3F	108	HIS	ND1-CE1	73.55	2.06	1.32
2	4B	108	HIS	ND1-CE1	73.55	2.06	1.32
2	4N	108	HIS	ND1-CE1	73.55	2.06	1.32
2	4V	108	HIS	ND1-CE1	73.55	2.06	1.32
2	5R	108	HIS	ND1-CE1	73.55	2.06	1.32
2	6J	108	HIS	ND1-CE1	73.55	2.06	1.32
2	6R	108	HIS	ND1-CE1	73.55	2.06	1.32
2	7N	108	HIS	ND1-CE1	73.55	2.06	1.32
2	13	108	HIS	ND1-CE1	73.55	2.06	1.32
2	17	108	HIS	ND1-CE1	73.55	2.06	1.32
2	2B	108	HIS	ND1-CE1	73.55	2.06	1.32
2	3R	108	HIS	ND1-CE1	73.55	2.06	1.32
2	3V	108	HIS	ND1-CE1	73.55	2.06	1.32
2	3Z	108	HIS	ND1-CE1	73.55	2.06	1.32
2	5F	108	HIS	ND1-CE1	73.55	2.06	1.32
2	5J	108	HIS	ND1-CE1	73.55	2.06	1.32
2	5N	108	HIS	ND1-CE1	73.55	2.06	1.32
2	63	108	HIS	ND1-CE1	73.55	2.06	1.32
2	67	108	HIS	ND1-CE1	73.55	2.06	1.32
2	7B	108	HIS	ND1-CE1	73.55	2.06	1.32
2	1N	108	HIS	ND1-CE1	73.53	2.06	1.32
2	2J	108	HIS	ND1-CE1	73.53	2.06	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	108	HIS	ND1-CE1	73.53	2.06	1.32
2	3J	108	HIS	ND1-CE1	73.53	2.06	1.32
2	33	108	HIS	ND1-CE1	73.53	2.06	1.32
2	4F	108	HIS	ND1-CE1	73.53	2.06	1.32
2	4Z	108	HIS	ND1-CE1	73.53	2.06	1.32
2	5V	108	HIS	ND1-CE1	73.53	2.06	1.32
2	6N	108	HIS	ND1-CE1	73.53	2.06	1.32
2	6V	108	HIS	ND1-CE1	73.53	2.06	1.32
2	7F	108	HIS	ND1-CE1	73.53	2.06	1.32
2	7R	108	HIS	ND1-CE1	73.53	2.06	1.32
1	1E	43	HIS	CG-ND1	-61.04	0.71	1.38
1	2M	43	HIS	CG-ND1	-61.04	0.71	1.38
1	22	43	HIS	CG-ND1	-61.04	0.71	1.38
1	3M	43	HIS	CG-ND1	-61.04	0.71	1.38
1	36	43	HIS	CG-ND1	-61.04	0.71	1.38
1	4I	43	HIS	CG-ND1	-61.04	0.71	1.38
1	4Q	43	HIS	CG-ND1	-61.04	0.71	1.38
1	5Y	43	HIS	CG-ND1	-61.04	0.71	1.38
1	6E	43	HIS	CG-ND1	-61.04	0.71	1.38
1	6Y	43	HIS	CG-ND1	-61.04	0.71	1.38
1	7I	43	HIS	CG-ND1	-61.04	0.71	1.38
1	7U	43	HIS	CG-ND1	-61.04	0.71	1.38
1	12	43	HIS	CG-ND1	-61.02	0.71	1.38
1	16	43	HIS	CG-ND1	-61.02	0.71	1.38
1	2A	43	HIS	CG-ND1	-61.02	0.71	1.38
1	3Q	43	HIS	CG-ND1	-61.02	0.71	1.38
1	3U	43	HIS	CG-ND1	-61.02	0.71	1.38
1	3Y	43	HIS	CG-ND1	-61.02	0.71	1.38
1	5E	43	HIS	CG-ND1	-61.02	0.71	1.38
1	5I	43	HIS	CG-ND1	-61.02	0.71	1.38
1	5M	43	HIS	CG-ND1	-61.02	0.71	1.38
1	62	43	HIS	CG-ND1	-61.02	0.71	1.38
1	66	43	HIS	CG-ND1	-61.02	0.71	1.38
1	7A	43	HIS	CG-ND1	-61.02	0.71	1.38
1	1A	43	HIS	CG-ND1	-61.02	0.71	1.38
1	1I	43	HIS	CG-ND1	-61.02	0.71	1.38
1	2E	43	HIS	CG-ND1	-61.02	0.71	1.38
1	26	43	HIS	CG-ND1	-61.02	0.71	1.38
1	3E	43	HIS	CG-ND1	-61.02	0.71	1.38
1	4A	43	HIS	CG-ND1	-61.02	0.71	1.38
1	4M	43	HIS	CG-ND1	-61.02	0.71	1.38
1	4U	43	HIS	CG-ND1	-61.02	0.71	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	43	HIS	CG-ND1	-61.02	0.71	1.38
1	6I	43	HIS	CG-ND1	-61.02	0.71	1.38
1	6Q	43	HIS	CG-ND1	-61.02	0.71	1.38
1	7M	43	HIS	CG-ND1	-61.02	0.71	1.38
1	1Q	43	HIS	CG-ND1	-61.01	0.71	1.38
1	1U	43	HIS	CG-ND1	-61.01	0.71	1.38
1	1Y	43	HIS	CG-ND1	-61.01	0.71	1.38
1	2Q	43	HIS	CG-ND1	-61.01	0.71	1.38
1	2U	43	HIS	CG-ND1	-61.01	0.71	1.38
1	2Y	43	HIS	CG-ND1	-61.01	0.71	1.38
1	42	43	HIS	CG-ND1	-61.01	0.71	1.38
1	46	43	HIS	CG-ND1	-61.01	0.71	1.38
1	5A	43	HIS	CG-ND1	-61.01	0.71	1.38
1	52	43	HIS	CG-ND1	-61.01	0.71	1.38
1	56	43	HIS	CG-ND1	-61.01	0.71	1.38
1	6A	43	HIS	CG-ND1	-61.01	0.71	1.38
1	1M	43	HIS	CG-ND1	-60.97	0.71	1.38
1	2I	43	HIS	CG-ND1	-60.97	0.71	1.38
1	3A	43	HIS	CG-ND1	-60.97	0.71	1.38
1	3I	43	HIS	CG-ND1	-60.97	0.71	1.38
1	32	43	HIS	CG-ND1	-60.97	0.71	1.38
1	4E	43	HIS	CG-ND1	-60.97	0.71	1.38
1	4Y	43	HIS	CG-ND1	-60.97	0.71	1.38
1	5U	43	HIS	CG-ND1	-60.97	0.71	1.38
1	6M	43	HIS	CG-ND1	-60.97	0.71	1.38
1	6U	43	HIS	CG-ND1	-60.97	0.71	1.38
1	7E	43	HIS	CG-ND1	-60.97	0.71	1.38
1	7Q	43	HIS	CG-ND1	-60.97	0.71	1.38
1	1E	22	HIS	CG-ND1	59.38	2.03	1.38
1	2M	22	HIS	CG-ND1	59.38	2.03	1.38
1	22	22	HIS	CG-ND1	59.38	2.03	1.38
1	3M	22	HIS	CG-ND1	59.38	2.03	1.38
1	36	22	HIS	CG-ND1	59.38	2.03	1.38
1	4I	22	HIS	CG-ND1	59.38	2.03	1.38
1	4Q	22	HIS	CG-ND1	59.38	2.03	1.38
1	5Y	22	HIS	CG-ND1	59.38	2.03	1.38
1	6E	22	HIS	CG-ND1	59.38	2.03	1.38
1	6Y	22	HIS	CG-ND1	59.38	2.03	1.38
1	7I	22	HIS	CG-ND1	59.38	2.03	1.38
1	7U	22	HIS	CG-ND1	59.38	2.03	1.38
1	1Q	22	HIS	CG-ND1	59.37	2.03	1.38
1	1U	22	HIS	CG-ND1	59.37	2.03	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	22	HIS	CG-ND1	59.37	2.03	1.38
1	2Q	22	HIS	CG-ND1	59.37	2.03	1.38
1	2U	22	HIS	CG-ND1	59.37	2.03	1.38
1	2Y	22	HIS	CG-ND1	59.37	2.03	1.38
1	42	22	HIS	CG-ND1	59.37	2.03	1.38
1	46	22	HIS	CG-ND1	59.37	2.03	1.38
1	5A	22	HIS	CG-ND1	59.37	2.03	1.38
1	52	22	HIS	CG-ND1	59.37	2.03	1.38
1	56	22	HIS	CG-ND1	59.37	2.03	1.38
1	6A	22	HIS	CG-ND1	59.37	2.03	1.38
1	1M	22	HIS	CG-ND1	59.34	2.03	1.38
1	2I	22	HIS	CG-ND1	59.34	2.03	1.38
1	3A	22	HIS	CG-ND1	59.34	2.03	1.38
1	3I	22	HIS	CG-ND1	59.34	2.03	1.38
1	32	22	HIS	CG-ND1	59.34	2.03	1.38
1	4E	22	HIS	CG-ND1	59.34	2.03	1.38
1	4Y	22	HIS	CG-ND1	59.34	2.03	1.38
1	5U	22	HIS	CG-ND1	59.34	2.03	1.38
1	6M	22	HIS	CG-ND1	59.34	2.03	1.38
1	6U	22	HIS	CG-ND1	59.34	2.03	1.38
1	7E	22	HIS	CG-ND1	59.34	2.03	1.38
1	7Q	22	HIS	CG-ND1	59.34	2.03	1.38
1	12	22	HIS	CG-ND1	59.33	2.03	1.38
1	16	22	HIS	CG-ND1	59.33	2.03	1.38
1	2A	22	HIS	CG-ND1	59.33	2.03	1.38
1	3Q	22	HIS	CG-ND1	59.33	2.03	1.38
1	3U	22	HIS	CG-ND1	59.33	2.03	1.38
1	3Y	22	HIS	CG-ND1	59.33	2.03	1.38
1	5E	22	HIS	CG-ND1	59.33	2.03	1.38
1	5I	22	HIS	CG-ND1	59.33	2.03	1.38
1	5M	22	HIS	CG-ND1	59.33	2.03	1.38
1	62	22	HIS	CG-ND1	59.33	2.03	1.38
1	66	22	HIS	CG-ND1	59.33	2.03	1.38
1	7A	22	HIS	CG-ND1	59.33	2.03	1.38
1	1A	22	HIS	CG-ND1	59.32	2.03	1.38
1	1I	22	HIS	CG-ND1	59.32	2.03	1.38
1	2E	22	HIS	CG-ND1	59.32	2.03	1.38
1	26	22	HIS	CG-ND1	59.32	2.03	1.38
1	3E	22	HIS	CG-ND1	59.32	2.03	1.38
1	4A	22	HIS	CG-ND1	59.32	2.03	1.38
1	4M	22	HIS	CG-ND1	59.32	2.03	1.38
1	4U	22	HIS	CG-ND1	59.32	2.03	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	22	HIS	CG-ND1	59.32	2.03	1.38
1	6I	22	HIS	CG-ND1	59.32	2.03	1.38
1	6Q	22	HIS	CG-ND1	59.32	2.03	1.38
1	7M	22	HIS	CG-ND1	59.32	2.03	1.38
2	1F	23	HIS	CG-ND1	54.61	1.98	1.38
2	2N	23	HIS	CG-ND1	54.61	1.98	1.38
2	23	23	HIS	CG-ND1	54.61	1.98	1.38
2	3N	23	HIS	CG-ND1	54.61	1.98	1.38
2	37	23	HIS	CG-ND1	54.61	1.98	1.38
2	4J	23	HIS	CG-ND1	54.61	1.98	1.38
2	4R	23	HIS	CG-ND1	54.61	1.98	1.38
2	5Z	23	HIS	CG-ND1	54.61	1.98	1.38
2	6F	23	HIS	CG-ND1	54.61	1.98	1.38
2	6Z	23	HIS	CG-ND1	54.61	1.98	1.38
2	7J	23	HIS	CG-ND1	54.61	1.98	1.38
2	7V	23	HIS	CG-ND1	54.61	1.98	1.38
2	1R	23	HIS	CG-ND1	54.60	1.98	1.38
2	1V	23	HIS	CG-ND1	54.60	1.98	1.38
2	1Z	23	HIS	CG-ND1	54.60	1.98	1.38
2	2R	23	HIS	CG-ND1	54.60	1.98	1.38
2	2V	23	HIS	CG-ND1	54.60	1.98	1.38
2	2Z	23	HIS	CG-ND1	54.60	1.98	1.38
2	43	23	HIS	CG-ND1	54.60	1.98	1.38
2	47	23	HIS	CG-ND1	54.60	1.98	1.38
2	5B	23	HIS	CG-ND1	54.60	1.98	1.38
2	53	23	HIS	CG-ND1	54.60	1.98	1.38
2	57	23	HIS	CG-ND1	54.60	1.98	1.38
2	6B	23	HIS	CG-ND1	54.60	1.98	1.38
2	1N	23	HIS	CG-ND1	54.59	1.98	1.38
2	2J	23	HIS	CG-ND1	54.59	1.98	1.38
2	3B	23	HIS	CG-ND1	54.59	1.98	1.38
2	3J	23	HIS	CG-ND1	54.59	1.98	1.38
2	33	23	HIS	CG-ND1	54.59	1.98	1.38
2	4F	23	HIS	CG-ND1	54.59	1.98	1.38
2	4Z	23	HIS	CG-ND1	54.59	1.98	1.38
2	5V	23	HIS	CG-ND1	54.59	1.98	1.38
2	6N	23	HIS	CG-ND1	54.59	1.98	1.38
2	6V	23	HIS	CG-ND1	54.59	1.98	1.38
2	7F	23	HIS	CG-ND1	54.59	1.98	1.38
2	7R	23	HIS	CG-ND1	54.59	1.98	1.38
2	13	23	HIS	CG-ND1	54.57	1.98	1.38
2	17	23	HIS	CG-ND1	54.57	1.98	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	23	HIS	CG-ND1	54.57	1.98	1.38
2	3R	23	HIS	CG-ND1	54.57	1.98	1.38
2	3V	23	HIS	CG-ND1	54.57	1.98	1.38
2	3Z	23	HIS	CG-ND1	54.57	1.98	1.38
2	5F	23	HIS	CG-ND1	54.57	1.98	1.38
2	5J	23	HIS	CG-ND1	54.57	1.98	1.38
2	5N	23	HIS	CG-ND1	54.57	1.98	1.38
2	63	23	HIS	CG-ND1	54.57	1.98	1.38
2	67	23	HIS	CG-ND1	54.57	1.98	1.38
2	7B	23	HIS	CG-ND1	54.57	1.98	1.38
2	1B	23	HIS	CG-ND1	54.56	1.98	1.38
2	1J	23	HIS	CG-ND1	54.56	1.98	1.38
2	2F	23	HIS	CG-ND1	54.56	1.98	1.38
2	27	23	HIS	CG-ND1	54.56	1.98	1.38
2	3F	23	HIS	CG-ND1	54.56	1.98	1.38
2	4B	23	HIS	CG-ND1	54.56	1.98	1.38
2	4N	23	HIS	CG-ND1	54.56	1.98	1.38
2	4V	23	HIS	CG-ND1	54.56	1.98	1.38
2	5R	23	HIS	CG-ND1	54.56	1.98	1.38
2	6J	23	HIS	CG-ND1	54.56	1.98	1.38
2	6R	23	HIS	CG-ND1	54.56	1.98	1.38
2	7N	23	HIS	CG-ND1	54.56	1.98	1.38
2	1R	33	PRO	N-CD	-52.50	0.74	1.47
2	1V	33	PRO	N-CD	-52.50	0.74	1.47
2	1Z	33	PRO	N-CD	-52.50	0.74	1.47
2	2R	33	PRO	N-CD	-52.50	0.74	1.47
2	2V	33	PRO	N-CD	-52.50	0.74	1.47
2	2Z	33	PRO	N-CD	-52.50	0.74	1.47
2	43	33	PRO	N-CD	-52.50	0.74	1.47
2	47	33	PRO	N-CD	-52.50	0.74	1.47
2	5B	33	PRO	N-CD	-52.50	0.74	1.47
2	53	33	PRO	N-CD	-52.50	0.74	1.47
2	57	33	PRO	N-CD	-52.50	0.74	1.47
2	6B	33	PRO	N-CD	-52.50	0.74	1.47
2	1F	33	PRO	N-CD	-52.49	0.74	1.47
2	13	33	PRO	N-CD	-52.49	0.74	1.47
2	17	33	PRO	N-CD	-52.49	0.74	1.47
2	2B	33	PRO	N-CD	-52.49	0.74	1.47
2	2N	33	PRO	N-CD	-52.49	0.74	1.47
2	23	33	PRO	N-CD	-52.49	0.74	1.47
2	3N	33	PRO	N-CD	-52.49	0.74	1.47
2	3R	33	PRO	N-CD	-52.49	0.74	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3V	33	PRO	N-CD	-52.49	0.74	1.47
2	3Z	33	PRO	N-CD	-52.49	0.74	1.47
2	37	33	PRO	N-CD	-52.49	0.74	1.47
2	4J	33	PRO	N-CD	-52.49	0.74	1.47
2	4R	33	PRO	N-CD	-52.49	0.74	1.47
2	5F	33	PRO	N-CD	-52.49	0.74	1.47
2	5J	33	PRO	N-CD	-52.49	0.74	1.47
2	5N	33	PRO	N-CD	-52.49	0.74	1.47
2	5Z	33	PRO	N-CD	-52.49	0.74	1.47
2	6F	33	PRO	N-CD	-52.49	0.74	1.47
2	6Z	33	PRO	N-CD	-52.49	0.74	1.47
2	63	33	PRO	N-CD	-52.49	0.74	1.47
2	67	33	PRO	N-CD	-52.49	0.74	1.47
2	7B	33	PRO	N-CD	-52.49	0.74	1.47
2	7J	33	PRO	N-CD	-52.49	0.74	1.47
2	7V	33	PRO	N-CD	-52.49	0.74	1.47
2	1B	33	PRO	N-CD	-52.45	0.74	1.47
2	1J	33	PRO	N-CD	-52.45	0.74	1.47
2	2F	33	PRO	N-CD	-52.45	0.74	1.47
2	27	33	PRO	N-CD	-52.45	0.74	1.47
2	3F	33	PRO	N-CD	-52.45	0.74	1.47
2	4B	33	PRO	N-CD	-52.45	0.74	1.47
2	4N	33	PRO	N-CD	-52.45	0.74	1.47
2	4V	33	PRO	N-CD	-52.45	0.74	1.47
2	5R	33	PRO	N-CD	-52.45	0.74	1.47
2	6J	33	PRO	N-CD	-52.45	0.74	1.47
2	6R	33	PRO	N-CD	-52.45	0.74	1.47
2	7N	33	PRO	N-CD	-52.45	0.74	1.47
2	1N	33	PRO	N-CD	-52.45	0.74	1.47
2	2J	33	PRO	N-CD	-52.45	0.74	1.47
2	3B	33	PRO	N-CD	-52.45	0.74	1.47
2	3J	33	PRO	N-CD	-52.45	0.74	1.47
2	33	33	PRO	N-CD	-52.45	0.74	1.47
2	4F	33	PRO	N-CD	-52.45	0.74	1.47
2	4Z	33	PRO	N-CD	-52.45	0.74	1.47
2	5V	33	PRO	N-CD	-52.45	0.74	1.47
2	6N	33	PRO	N-CD	-52.45	0.74	1.47
2	6V	33	PRO	N-CD	-52.45	0.74	1.47
2	7F	33	PRO	N-CD	-52.45	0.74	1.47
2	7R	33	PRO	N-CD	-52.45	0.74	1.47
2	13	77	THR	C-O	51.61	1.79	1.23
2	17	77	THR	C-O	51.61	1.79	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	77	THR	C-O	51.61	1.79	1.23
2	3R	77	THR	C-O	51.61	1.79	1.23
2	3V	77	THR	C-O	51.61	1.79	1.23
2	3Z	77	THR	C-O	51.61	1.79	1.23
2	5F	77	THR	C-O	51.61	1.79	1.23
2	5J	77	THR	C-O	51.61	1.79	1.23
2	5N	77	THR	C-O	51.61	1.79	1.23
2	63	77	THR	C-O	51.61	1.79	1.23
2	67	77	THR	C-O	51.61	1.79	1.23
2	7B	77	THR	C-O	51.61	1.79	1.23
2	1R	77	THR	C-O	51.60	1.79	1.23
2	1V	77	THR	C-O	51.60	1.79	1.23
2	1Z	77	THR	C-O	51.60	1.79	1.23
2	2R	77	THR	C-O	51.60	1.79	1.23
2	2V	77	THR	C-O	51.60	1.79	1.23
2	2Z	77	THR	C-O	51.60	1.79	1.23
2	43	77	THR	C-O	51.60	1.79	1.23
2	47	77	THR	C-O	51.60	1.79	1.23
2	5B	77	THR	C-O	51.60	1.79	1.23
2	53	77	THR	C-O	51.60	1.79	1.23
2	57	77	THR	C-O	51.60	1.79	1.23
2	6B	77	THR	C-O	51.60	1.79	1.23
2	1F	77	THR	C-O	51.59	1.79	1.23
2	2N	77	THR	C-O	51.59	1.79	1.23
2	23	77	THR	C-O	51.59	1.79	1.23
2	3N	77	THR	C-O	51.59	1.79	1.23
2	37	77	THR	C-O	51.59	1.79	1.23
2	4J	77	THR	C-O	51.59	1.79	1.23
2	4R	77	THR	C-O	51.59	1.79	1.23
2	5Z	77	THR	C-O	51.59	1.79	1.23
2	6F	77	THR	C-O	51.59	1.79	1.23
2	6Z	77	THR	C-O	51.59	1.79	1.23
2	7J	77	THR	C-O	51.59	1.79	1.23
2	7V	77	THR	C-O	51.59	1.79	1.23
2	1B	77	THR	C-O	51.53	1.78	1.23
2	1J	77	THR	C-O	51.53	1.78	1.23
2	2F	77	THR	C-O	51.53	1.78	1.23
2	27	77	THR	C-O	51.53	1.78	1.23
2	3F	77	THR	C-O	51.53	1.78	1.23
2	4B	77	THR	C-O	51.53	1.78	1.23
2	4N	77	THR	C-O	51.53	1.78	1.23
2	4V	77	THR	C-O	51.53	1.78	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	77	THR	C-O	51.53	1.78	1.23
2	6J	77	THR	C-O	51.53	1.78	1.23
2	6R	77	THR	C-O	51.53	1.78	1.23
2	7N	77	THR	C-O	51.53	1.78	1.23
2	1N	77	THR	C-O	51.53	1.78	1.23
2	2J	77	THR	C-O	51.53	1.78	1.23
2	3B	77	THR	C-O	51.53	1.78	1.23
2	3J	77	THR	C-O	51.53	1.78	1.23
2	33	77	THR	C-O	51.53	1.78	1.23
2	4F	77	THR	C-O	51.53	1.78	1.23
2	4Z	77	THR	C-O	51.53	1.78	1.23
2	5V	77	THR	C-O	51.53	1.78	1.23
2	6N	77	THR	C-O	51.53	1.78	1.23
2	6V	77	THR	C-O	51.53	1.78	1.23
2	7F	77	THR	C-O	51.53	1.78	1.23
2	7R	77	THR	C-O	51.53	1.78	1.23
1	12	147	ARG	N-CA	50.33	2.03	1.46
1	16	147	ARG	N-CA	50.33	2.03	1.46
1	2A	147	ARG	N-CA	50.33	2.03	1.46
1	3Q	147	ARG	N-CA	50.33	2.03	1.46
1	3U	147	ARG	N-CA	50.33	2.03	1.46
1	3Y	147	ARG	N-CA	50.33	2.03	1.46
1	5E	147	ARG	N-CA	50.33	2.03	1.46
1	5I	147	ARG	N-CA	50.33	2.03	1.46
1	5M	147	ARG	N-CA	50.33	2.03	1.46
1	62	147	ARG	N-CA	50.33	2.03	1.46
1	66	147	ARG	N-CA	50.33	2.03	1.46
1	7A	147	ARG	N-CA	50.33	2.03	1.46
1	1A	147	ARG	N-CA	50.27	2.03	1.46
1	1I	147	ARG	N-CA	50.27	2.03	1.46
1	2E	147	ARG	N-CA	50.27	2.03	1.46
1	26	147	ARG	N-CA	50.27	2.03	1.46
1	3E	147	ARG	N-CA	50.27	2.03	1.46
1	4A	147	ARG	N-CA	50.27	2.03	1.46
1	4M	147	ARG	N-CA	50.27	2.03	1.46
1	4U	147	ARG	N-CA	50.27	2.03	1.46
1	5Q	147	ARG	N-CA	50.27	2.03	1.46
1	6I	147	ARG	N-CA	50.27	2.03	1.46
1	6Q	147	ARG	N-CA	50.27	2.03	1.46
1	7M	147	ARG	N-CA	50.27	2.03	1.46
1	1E	147	ARG	N-CA	50.26	2.03	1.46
1	2M	147	ARG	N-CA	50.26	2.03	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	147	ARG	N-CA	50.26	2.03	1.46
1	3M	147	ARG	N-CA	50.26	2.03	1.46
1	36	147	ARG	N-CA	50.26	2.03	1.46
1	4I	147	ARG	N-CA	50.26	2.03	1.46
1	4Q	147	ARG	N-CA	50.26	2.03	1.46
1	5Y	147	ARG	N-CA	50.26	2.03	1.46
1	6E	147	ARG	N-CA	50.26	2.03	1.46
1	6Y	147	ARG	N-CA	50.26	2.03	1.46
1	7I	147	ARG	N-CA	50.26	2.03	1.46
1	7U	147	ARG	N-CA	50.26	2.03	1.46
1	1M	147	ARG	N-CA	50.25	2.03	1.46
1	2I	147	ARG	N-CA	50.25	2.03	1.46
1	3A	147	ARG	N-CA	50.25	2.03	1.46
1	3I	147	ARG	N-CA	50.25	2.03	1.46
1	32	147	ARG	N-CA	50.25	2.03	1.46
1	4E	147	ARG	N-CA	50.25	2.03	1.46
1	4Y	147	ARG	N-CA	50.25	2.03	1.46
1	5U	147	ARG	N-CA	50.25	2.03	1.46
1	6M	147	ARG	N-CA	50.25	2.03	1.46
1	6U	147	ARG	N-CA	50.25	2.03	1.46
1	7E	147	ARG	N-CA	50.25	2.03	1.46
1	7Q	147	ARG	N-CA	50.25	2.03	1.46
1	1Q	147	ARG	N-CA	50.23	2.03	1.46
1	1U	147	ARG	N-CA	50.23	2.03	1.46
1	1Y	147	ARG	N-CA	50.23	2.03	1.46
1	2Q	147	ARG	N-CA	50.23	2.03	1.46
1	2U	147	ARG	N-CA	50.23	2.03	1.46
1	2Y	147	ARG	N-CA	50.23	2.03	1.46
1	42	147	ARG	N-CA	50.23	2.03	1.46
1	46	147	ARG	N-CA	50.23	2.03	1.46
1	5A	147	ARG	N-CA	50.23	2.03	1.46
1	52	147	ARG	N-CA	50.23	2.03	1.46
1	56	147	ARG	N-CA	50.23	2.03	1.46
1	6A	147	ARG	N-CA	50.23	2.03	1.46
2	13	58	LEU	N-CA	-48.76	0.83	1.46
2	17	58	LEU	N-CA	-48.76	0.83	1.46
2	2B	58	LEU	N-CA	-48.76	0.83	1.46
2	3R	58	LEU	N-CA	-48.76	0.83	1.46
2	3V	58	LEU	N-CA	-48.76	0.83	1.46
2	3Z	58	LEU	N-CA	-48.76	0.83	1.46
2	5F	58	LEU	N-CA	-48.76	0.83	1.46
2	5J	58	LEU	N-CA	-48.76	0.83	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	58	LEU	N-CA	-48.76	0.83	1.46
2	63	58	LEU	N-CA	-48.76	0.83	1.46
2	67	58	LEU	N-CA	-48.76	0.83	1.46
2	7B	58	LEU	N-CA	-48.76	0.83	1.46
2	1F	58	LEU	N-CA	-48.76	0.83	1.46
2	2N	58	LEU	N-CA	-48.76	0.83	1.46
2	23	58	LEU	N-CA	-48.76	0.83	1.46
2	3N	58	LEU	N-CA	-48.76	0.83	1.46
2	37	58	LEU	N-CA	-48.76	0.83	1.46
2	4J	58	LEU	N-CA	-48.76	0.83	1.46
2	4R	58	LEU	N-CA	-48.76	0.83	1.46
2	5Z	58	LEU	N-CA	-48.76	0.83	1.46
2	6F	58	LEU	N-CA	-48.76	0.83	1.46
2	6Z	58	LEU	N-CA	-48.76	0.83	1.46
2	7J	58	LEU	N-CA	-48.76	0.83	1.46
2	7V	58	LEU	N-CA	-48.76	0.83	1.46
2	1N	58	LEU	N-CA	-48.75	0.83	1.46
2	2J	58	LEU	N-CA	-48.75	0.83	1.46
2	3B	58	LEU	N-CA	-48.75	0.83	1.46
2	3J	58	LEU	N-CA	-48.75	0.83	1.46
2	33	58	LEU	N-CA	-48.75	0.83	1.46
2	4F	58	LEU	N-CA	-48.75	0.83	1.46
2	4Z	58	LEU	N-CA	-48.75	0.83	1.46
2	5V	58	LEU	N-CA	-48.75	0.83	1.46
2	6N	58	LEU	N-CA	-48.75	0.83	1.46
2	6V	58	LEU	N-CA	-48.75	0.83	1.46
2	7F	58	LEU	N-CA	-48.75	0.83	1.46
2	7R	58	LEU	N-CA	-48.75	0.83	1.46
2	1B	58	LEU	N-CA	-48.71	0.83	1.46
2	1J	58	LEU	N-CA	-48.71	0.83	1.46
2	1R	58	LEU	N-CA	-48.71	0.83	1.46
2	1V	58	LEU	N-CA	-48.71	0.83	1.46
2	1Z	58	LEU	N-CA	-48.71	0.83	1.46
2	2F	58	LEU	N-CA	-48.71	0.83	1.46
2	2R	58	LEU	N-CA	-48.71	0.83	1.46
2	2V	58	LEU	N-CA	-48.71	0.83	1.46
2	2Z	58	LEU	N-CA	-48.71	0.83	1.46
2	27	58	LEU	N-CA	-48.71	0.83	1.46
2	3F	58	LEU	N-CA	-48.71	0.83	1.46
2	4B	58	LEU	N-CA	-48.71	0.83	1.46
2	4N	58	LEU	N-CA	-48.71	0.83	1.46
2	4V	58	LEU	N-CA	-48.71	0.83	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	43	58	LEU	N-CA	-48.71	0.83	1.46
2	47	58	LEU	N-CA	-48.71	0.83	1.46
2	5B	58	LEU	N-CA	-48.71	0.83	1.46
2	5R	58	LEU	N-CA	-48.71	0.83	1.46
2	53	58	LEU	N-CA	-48.71	0.83	1.46
2	57	58	LEU	N-CA	-48.71	0.83	1.46
2	6B	58	LEU	N-CA	-48.71	0.83	1.46
2	6J	58	LEU	N-CA	-48.71	0.83	1.46
2	6R	58	LEU	N-CA	-48.71	0.83	1.46
2	7N	58	LEU	N-CA	-48.71	0.83	1.46
1	1Q	43	HIS	ND1-CE1	48.59	1.81	1.32
1	1U	43	HIS	ND1-CE1	48.59	1.81	1.32
1	1Y	43	HIS	ND1-CE1	48.59	1.81	1.32
1	12	43	HIS	ND1-CE1	48.59	1.81	1.32
1	16	43	HIS	ND1-CE1	48.59	1.81	1.32
1	2A	43	HIS	ND1-CE1	48.59	1.81	1.32
1	2Q	43	HIS	ND1-CE1	48.59	1.81	1.32
1	2U	43	HIS	ND1-CE1	48.59	1.81	1.32
1	2Y	43	HIS	ND1-CE1	48.59	1.81	1.32
1	3Q	43	HIS	ND1-CE1	48.59	1.81	1.32
1	3U	43	HIS	ND1-CE1	48.59	1.81	1.32
1	3Y	43	HIS	ND1-CE1	48.59	1.81	1.32
1	42	43	HIS	ND1-CE1	48.59	1.81	1.32
1	46	43	HIS	ND1-CE1	48.59	1.81	1.32
1	5A	43	HIS	ND1-CE1	48.59	1.81	1.32
1	5E	43	HIS	ND1-CE1	48.59	1.81	1.32
1	5I	43	HIS	ND1-CE1	48.59	1.81	1.32
1	5M	43	HIS	ND1-CE1	48.59	1.81	1.32
1	52	43	HIS	ND1-CE1	48.59	1.81	1.32
1	56	43	HIS	ND1-CE1	48.59	1.81	1.32
1	6A	43	HIS	ND1-CE1	48.59	1.81	1.32
1	62	43	HIS	ND1-CE1	48.59	1.81	1.32
1	66	43	HIS	ND1-CE1	48.59	1.81	1.32
1	7A	43	HIS	ND1-CE1	48.59	1.81	1.32
1	1M	43	HIS	ND1-CE1	48.59	1.81	1.32
1	2I	43	HIS	ND1-CE1	48.59	1.81	1.32
1	3A	43	HIS	ND1-CE1	48.59	1.81	1.32
1	3I	43	HIS	ND1-CE1	48.59	1.81	1.32
1	32	43	HIS	ND1-CE1	48.59	1.81	1.32
1	4E	43	HIS	ND1-CE1	48.59	1.81	1.32
1	4Y	43	HIS	ND1-CE1	48.59	1.81	1.32
1	5U	43	HIS	ND1-CE1	48.59	1.81	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	43	HIS	ND1-CE1	48.59	1.81	1.32
1	6U	43	HIS	ND1-CE1	48.59	1.81	1.32
1	7E	43	HIS	ND1-CE1	48.59	1.81	1.32
1	7Q	43	HIS	ND1-CE1	48.59	1.81	1.32
1	1E	43	HIS	ND1-CE1	48.58	1.81	1.32
1	2M	43	HIS	ND1-CE1	48.58	1.81	1.32
1	22	43	HIS	ND1-CE1	48.58	1.81	1.32
1	3M	43	HIS	ND1-CE1	48.58	1.81	1.32
1	36	43	HIS	ND1-CE1	48.58	1.81	1.32
1	4I	43	HIS	ND1-CE1	48.58	1.81	1.32
1	4Q	43	HIS	ND1-CE1	48.58	1.81	1.32
1	5Y	43	HIS	ND1-CE1	48.58	1.81	1.32
1	6E	43	HIS	ND1-CE1	48.58	1.81	1.32
1	6Y	43	HIS	ND1-CE1	48.58	1.81	1.32
1	7I	43	HIS	ND1-CE1	48.58	1.81	1.32
1	7U	43	HIS	ND1-CE1	48.58	1.81	1.32
1	1A	43	HIS	ND1-CE1	48.57	1.81	1.32
1	1I	43	HIS	ND1-CE1	48.57	1.81	1.32
1	2E	43	HIS	ND1-CE1	48.57	1.81	1.32
1	26	43	HIS	ND1-CE1	48.57	1.81	1.32
1	3E	43	HIS	ND1-CE1	48.57	1.81	1.32
1	4A	43	HIS	ND1-CE1	48.57	1.81	1.32
1	4M	43	HIS	ND1-CE1	48.57	1.81	1.32
1	4U	43	HIS	ND1-CE1	48.57	1.81	1.32
1	5Q	43	HIS	ND1-CE1	48.57	1.81	1.32
1	6I	43	HIS	ND1-CE1	48.57	1.81	1.32
1	6Q	43	HIS	ND1-CE1	48.57	1.81	1.32
1	7M	43	HIS	ND1-CE1	48.57	1.81	1.32
1	1M	43	HIS	CA-C	-48.13	0.88	1.52
1	2I	43	HIS	CA-C	-48.13	0.88	1.52
1	3A	43	HIS	CA-C	-48.13	0.88	1.52
1	3I	43	HIS	CA-C	-48.13	0.88	1.52
1	32	43	HIS	CA-C	-48.13	0.88	1.52
1	4E	43	HIS	CA-C	-48.13	0.88	1.52
1	4Y	43	HIS	CA-C	-48.13	0.88	1.52
1	5U	43	HIS	CA-C	-48.13	0.88	1.52
1	6M	43	HIS	CA-C	-48.13	0.88	1.52
1	6U	43	HIS	CA-C	-48.13	0.88	1.52
1	7E	43	HIS	CA-C	-48.13	0.88	1.52
1	7Q	43	HIS	CA-C	-48.13	0.88	1.52
1	1Q	43	HIS	CA-C	-48.10	0.88	1.52
1	1U	43	HIS	CA-C	-48.10	0.88	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	43	HIS	CA-C	-48.10	0.88	1.52
1	2Q	43	HIS	CA-C	-48.10	0.88	1.52
1	2U	43	HIS	CA-C	-48.10	0.88	1.52
1	2Y	43	HIS	CA-C	-48.10	0.88	1.52
1	42	43	HIS	CA-C	-48.10	0.88	1.52
1	46	43	HIS	CA-C	-48.10	0.88	1.52
1	5A	43	HIS	CA-C	-48.10	0.88	1.52
1	52	43	HIS	CA-C	-48.10	0.88	1.52
1	56	43	HIS	CA-C	-48.10	0.88	1.52
1	6A	43	HIS	CA-C	-48.10	0.88	1.52
1	1A	43	HIS	CA-C	-48.10	0.88	1.52
1	1I	43	HIS	CA-C	-48.10	0.88	1.52
1	2E	43	HIS	CA-C	-48.10	0.88	1.52
1	26	43	HIS	CA-C	-48.10	0.88	1.52
1	3E	43	HIS	CA-C	-48.10	0.88	1.52
1	4A	43	HIS	CA-C	-48.10	0.88	1.52
1	4M	43	HIS	CA-C	-48.10	0.88	1.52
1	4U	43	HIS	CA-C	-48.10	0.88	1.52
1	5Q	43	HIS	CA-C	-48.10	0.88	1.52
1	6I	43	HIS	CA-C	-48.10	0.88	1.52
1	6Q	43	HIS	CA-C	-48.10	0.88	1.52
1	7M	43	HIS	CA-C	-48.10	0.88	1.52
1	1E	43	HIS	CA-C	-48.07	0.88	1.52
1	2M	43	HIS	CA-C	-48.07	0.88	1.52
1	22	43	HIS	CA-C	-48.07	0.88	1.52
1	3M	43	HIS	CA-C	-48.07	0.88	1.52
1	36	43	HIS	CA-C	-48.07	0.88	1.52
1	4I	43	HIS	CA-C	-48.07	0.88	1.52
1	4Q	43	HIS	CA-C	-48.07	0.88	1.52
1	5Y	43	HIS	CA-C	-48.07	0.88	1.52
1	6E	43	HIS	CA-C	-48.07	0.88	1.52
1	6Y	43	HIS	CA-C	-48.07	0.88	1.52
1	7I	43	HIS	CA-C	-48.07	0.88	1.52
1	7U	43	HIS	CA-C	-48.07	0.88	1.52
1	12	43	HIS	CA-C	-48.03	0.88	1.52
1	16	43	HIS	CA-C	-48.03	0.88	1.52
1	2A	43	HIS	CA-C	-48.03	0.88	1.52
1	3Q	43	HIS	CA-C	-48.03	0.88	1.52
1	3U	43	HIS	CA-C	-48.03	0.88	1.52
1	3Y	43	HIS	CA-C	-48.03	0.88	1.52
1	5E	43	HIS	CA-C	-48.03	0.88	1.52
1	5I	43	HIS	CA-C	-48.03	0.88	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	43	HIS	CA-C	-48.03	0.88	1.52
1	62	43	HIS	CA-C	-48.03	0.88	1.52
1	66	43	HIS	CA-C	-48.03	0.88	1.52
1	7A	43	HIS	CA-C	-48.03	0.88	1.52
2	1N	42	HIS	CD2-NE2	48.01	1.90	1.37
2	2J	42	HIS	CD2-NE2	48.01	1.90	1.37
2	3B	42	HIS	CD2-NE2	48.01	1.90	1.37
2	3J	42	HIS	CD2-NE2	48.01	1.90	1.37
2	33	42	HIS	CD2-NE2	48.01	1.90	1.37
2	4F	42	HIS	CD2-NE2	48.01	1.90	1.37
2	4Z	42	HIS	CD2-NE2	48.01	1.90	1.37
2	5V	42	HIS	CD2-NE2	48.01	1.90	1.37
2	6N	42	HIS	CD2-NE2	48.01	1.90	1.37
2	6V	42	HIS	CD2-NE2	48.01	1.90	1.37
2	7F	42	HIS	CD2-NE2	48.01	1.90	1.37
2	7R	42	HIS	CD2-NE2	48.01	1.90	1.37
2	1R	42	HIS	CD2-NE2	48.01	1.90	1.37
2	1V	42	HIS	CD2-NE2	48.01	1.90	1.37
2	1Z	42	HIS	CD2-NE2	48.01	1.90	1.37
2	2R	42	HIS	CD2-NE2	48.01	1.90	1.37
2	2V	42	HIS	CD2-NE2	48.01	1.90	1.37
2	2Z	42	HIS	CD2-NE2	48.01	1.90	1.37
2	43	42	HIS	CD2-NE2	48.01	1.90	1.37
2	47	42	HIS	CD2-NE2	48.01	1.90	1.37
2	5B	42	HIS	CD2-NE2	48.01	1.90	1.37
2	53	42	HIS	CD2-NE2	48.01	1.90	1.37
2	57	42	HIS	CD2-NE2	48.01	1.90	1.37
2	6B	42	HIS	CD2-NE2	48.01	1.90	1.37
2	1B	42	HIS	CD2-NE2	48.01	1.90	1.37
2	1J	42	HIS	CD2-NE2	48.01	1.90	1.37
2	2F	42	HIS	CD2-NE2	48.01	1.90	1.37
2	27	42	HIS	CD2-NE2	48.01	1.90	1.37
2	3F	42	HIS	CD2-NE2	48.01	1.90	1.37
2	4B	42	HIS	CD2-NE2	48.01	1.90	1.37
2	4N	42	HIS	CD2-NE2	48.01	1.90	1.37
2	4V	42	HIS	CD2-NE2	48.01	1.90	1.37
2	5R	42	HIS	CD2-NE2	48.01	1.90	1.37
2	6J	42	HIS	CD2-NE2	48.01	1.90	1.37
2	6R	42	HIS	CD2-NE2	48.01	1.90	1.37
2	7N	42	HIS	CD2-NE2	48.01	1.90	1.37
2	13	42	HIS	CD2-NE2	47.99	1.90	1.37
2	17	42	HIS	CD2-NE2	47.99	1.90	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	42	HIS	CD2-NE2	47.99	1.90	1.37
2	3R	42	HIS	CD2-NE2	47.99	1.90	1.37
2	3V	42	HIS	CD2-NE2	47.99	1.90	1.37
2	3Z	42	HIS	CD2-NE2	47.99	1.90	1.37
2	5F	42	HIS	CD2-NE2	47.99	1.90	1.37
2	5J	42	HIS	CD2-NE2	47.99	1.90	1.37
2	5N	42	HIS	CD2-NE2	47.99	1.90	1.37
2	63	42	HIS	CD2-NE2	47.99	1.90	1.37
2	67	42	HIS	CD2-NE2	47.99	1.90	1.37
2	7B	42	HIS	CD2-NE2	47.99	1.90	1.37
2	1F	42	HIS	CD2-NE2	47.96	1.90	1.37
2	2N	42	HIS	CD2-NE2	47.96	1.90	1.37
2	23	42	HIS	CD2-NE2	47.96	1.90	1.37
2	3N	42	HIS	CD2-NE2	47.96	1.90	1.37
2	37	42	HIS	CD2-NE2	47.96	1.90	1.37
2	4J	42	HIS	CD2-NE2	47.96	1.90	1.37
2	4R	42	HIS	CD2-NE2	47.96	1.90	1.37
2	5Z	42	HIS	CD2-NE2	47.96	1.90	1.37
2	6F	42	HIS	CD2-NE2	47.96	1.90	1.37
2	6Z	42	HIS	CD2-NE2	47.96	1.90	1.37
2	7J	42	HIS	CD2-NE2	47.96	1.90	1.37
2	7V	42	HIS	CD2-NE2	47.96	1.90	1.37
2	1F	26	ALA	CA-C	-46.76	0.97	1.52
2	2N	26	ALA	CA-C	-46.76	0.97	1.52
2	23	26	ALA	CA-C	-46.76	0.97	1.52
2	3N	26	ALA	CA-C	-46.76	0.97	1.52
2	37	26	ALA	CA-C	-46.76	0.97	1.52
2	4J	26	ALA	CA-C	-46.76	0.97	1.52
2	4R	26	ALA	CA-C	-46.76	0.97	1.52
2	5Z	26	ALA	CA-C	-46.76	0.97	1.52
2	6F	26	ALA	CA-C	-46.76	0.97	1.52
2	6Z	26	ALA	CA-C	-46.76	0.97	1.52
2	7J	26	ALA	CA-C	-46.76	0.97	1.52
2	7V	26	ALA	CA-C	-46.76	0.97	1.52
2	1R	26	ALA	CA-C	-46.73	0.97	1.52
2	1V	26	ALA	CA-C	-46.73	0.97	1.52
2	1Z	26	ALA	CA-C	-46.73	0.97	1.52
2	2R	26	ALA	CA-C	-46.73	0.97	1.52
2	2V	26	ALA	CA-C	-46.73	0.97	1.52
2	2Z	26	ALA	CA-C	-46.73	0.97	1.52
2	43	26	ALA	CA-C	-46.73	0.97	1.52
2	47	26	ALA	CA-C	-46.73	0.97	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	26	ALA	CA-C	-46.73	0.97	1.52
2	53	26	ALA	CA-C	-46.73	0.97	1.52
2	57	26	ALA	CA-C	-46.73	0.97	1.52
2	6B	26	ALA	CA-C	-46.73	0.97	1.52
2	1B	26	ALA	CA-C	-46.72	0.97	1.52
2	1J	26	ALA	CA-C	-46.72	0.97	1.52
2	2F	26	ALA	CA-C	-46.72	0.97	1.52
2	27	26	ALA	CA-C	-46.72	0.97	1.52
2	3F	26	ALA	CA-C	-46.72	0.97	1.52
2	4B	26	ALA	CA-C	-46.72	0.97	1.52
2	4N	26	ALA	CA-C	-46.72	0.97	1.52
2	4V	26	ALA	CA-C	-46.72	0.97	1.52
2	5R	26	ALA	CA-C	-46.72	0.97	1.52
2	6J	26	ALA	CA-C	-46.72	0.97	1.52
2	6R	26	ALA	CA-C	-46.72	0.97	1.52
2	7N	26	ALA	CA-C	-46.72	0.97	1.52
2	1N	26	ALA	CA-C	-46.69	0.97	1.52
2	2J	26	ALA	CA-C	-46.69	0.97	1.52
2	3B	26	ALA	CA-C	-46.69	0.97	1.52
2	3J	26	ALA	CA-C	-46.69	0.97	1.52
2	33	26	ALA	CA-C	-46.69	0.97	1.52
2	4F	26	ALA	CA-C	-46.69	0.97	1.52
2	4Z	26	ALA	CA-C	-46.69	0.97	1.52
2	5V	26	ALA	CA-C	-46.69	0.97	1.52
2	6N	26	ALA	CA-C	-46.69	0.97	1.52
2	6V	26	ALA	CA-C	-46.69	0.97	1.52
2	7F	26	ALA	CA-C	-46.69	0.97	1.52
2	7R	26	ALA	CA-C	-46.69	0.97	1.52
2	13	26	ALA	CA-C	-46.67	0.97	1.52
2	17	26	ALA	CA-C	-46.67	0.97	1.52
2	2B	26	ALA	CA-C	-46.67	0.97	1.52
2	3R	26	ALA	CA-C	-46.67	0.97	1.52
2	3V	26	ALA	CA-C	-46.67	0.97	1.52
2	3Z	26	ALA	CA-C	-46.67	0.97	1.52
2	5F	26	ALA	CA-C	-46.67	0.97	1.52
2	5J	26	ALA	CA-C	-46.67	0.97	1.52
2	5N	26	ALA	CA-C	-46.67	0.97	1.52
2	63	26	ALA	CA-C	-46.67	0.97	1.52
2	67	26	ALA	CA-C	-46.67	0.97	1.52
2	7B	26	ALA	CA-C	-46.67	0.97	1.52
1	1Q	38	PRO	CA-CB	45.98	2.19	1.53
1	1U	38	PRO	CA-CB	45.98	2.19	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	38	PRO	CA-CB	45.98	2.19	1.53
1	2Q	38	PRO	CA-CB	45.98	2.19	1.53
1	2U	38	PRO	CA-CB	45.98	2.19	1.53
1	2Y	38	PRO	CA-CB	45.98	2.19	1.53
1	42	38	PRO	CA-CB	45.98	2.19	1.53
1	46	38	PRO	CA-CB	45.98	2.19	1.53
1	5A	38	PRO	CA-CB	45.98	2.19	1.53
1	52	38	PRO	CA-CB	45.98	2.19	1.53
1	56	38	PRO	CA-CB	45.98	2.19	1.53
1	6A	38	PRO	CA-CB	45.98	2.19	1.53
1	1E	38	PRO	CA-CB	45.96	2.19	1.53
1	2M	38	PRO	CA-CB	45.96	2.19	1.53
1	22	38	PRO	CA-CB	45.96	2.19	1.53
1	3M	38	PRO	CA-CB	45.96	2.19	1.53
1	36	38	PRO	CA-CB	45.96	2.19	1.53
1	4I	38	PRO	CA-CB	45.96	2.19	1.53
1	4Q	38	PRO	CA-CB	45.96	2.19	1.53
1	5Y	38	PRO	CA-CB	45.96	2.19	1.53
1	6E	38	PRO	CA-CB	45.96	2.19	1.53
1	6Y	38	PRO	CA-CB	45.96	2.19	1.53
1	7I	38	PRO	CA-CB	45.96	2.19	1.53
1	7U	38	PRO	CA-CB	45.96	2.19	1.53
1	12	38	PRO	CA-CB	45.96	2.19	1.53
1	16	38	PRO	CA-CB	45.96	2.19	1.53
1	2A	38	PRO	CA-CB	45.96	2.19	1.53
1	3Q	38	PRO	CA-CB	45.96	2.19	1.53
1	3U	38	PRO	CA-CB	45.96	2.19	1.53
1	3Y	38	PRO	CA-CB	45.96	2.19	1.53
1	5E	38	PRO	CA-CB	45.96	2.19	1.53
1	5I	38	PRO	CA-CB	45.96	2.19	1.53
1	5M	38	PRO	CA-CB	45.96	2.19	1.53
1	62	38	PRO	CA-CB	45.96	2.19	1.53
1	66	38	PRO	CA-CB	45.96	2.19	1.53
1	7A	38	PRO	CA-CB	45.96	2.19	1.53
1	1A	38	PRO	CA-CB	45.94	2.19	1.53
1	1I	38	PRO	CA-CB	45.94	2.19	1.53
1	2E	38	PRO	CA-CB	45.94	2.19	1.53
1	26	38	PRO	CA-CB	45.94	2.19	1.53
1	3E	38	PRO	CA-CB	45.94	2.19	1.53
1	4A	38	PRO	CA-CB	45.94	2.19	1.53
1	4M	38	PRO	CA-CB	45.94	2.19	1.53
1	4U	38	PRO	CA-CB	45.94	2.19	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	38	PRO	CA-CB	45.94	2.19	1.53
1	6I	38	PRO	CA-CB	45.94	2.19	1.53
1	6Q	38	PRO	CA-CB	45.94	2.19	1.53
1	7M	38	PRO	CA-CB	45.94	2.19	1.53
1	1M	38	PRO	CA-CB	45.93	2.19	1.53
1	2I	38	PRO	CA-CB	45.93	2.19	1.53
1	3A	38	PRO	CA-CB	45.93	2.19	1.53
1	3I	38	PRO	CA-CB	45.93	2.19	1.53
1	32	38	PRO	CA-CB	45.93	2.19	1.53
1	4E	38	PRO	CA-CB	45.93	2.19	1.53
1	4Y	38	PRO	CA-CB	45.93	2.19	1.53
1	5U	38	PRO	CA-CB	45.93	2.19	1.53
1	6M	38	PRO	CA-CB	45.93	2.19	1.53
1	6U	38	PRO	CA-CB	45.93	2.19	1.53
1	7E	38	PRO	CA-CB	45.93	2.19	1.53
1	7Q	38	PRO	CA-CB	45.93	2.19	1.53
2	1F	38	VAL	CA-C	-45.52	0.93	1.52
2	2N	38	VAL	CA-C	-45.52	0.93	1.52
2	23	38	VAL	CA-C	-45.52	0.93	1.52
2	3N	38	VAL	CA-C	-45.52	0.93	1.52
2	37	38	VAL	CA-C	-45.52	0.93	1.52
2	4J	38	VAL	CA-C	-45.52	0.93	1.52
2	4R	38	VAL	CA-C	-45.52	0.93	1.52
2	5Z	38	VAL	CA-C	-45.52	0.93	1.52
2	6F	38	VAL	CA-C	-45.52	0.93	1.52
2	6Z	38	VAL	CA-C	-45.52	0.93	1.52
2	7J	38	VAL	CA-C	-45.52	0.93	1.52
2	7V	38	VAL	CA-C	-45.52	0.93	1.52
2	1B	38	VAL	CA-C	-45.49	0.93	1.52
2	1J	38	VAL	CA-C	-45.49	0.93	1.52
2	2F	38	VAL	CA-C	-45.49	0.93	1.52
2	27	38	VAL	CA-C	-45.49	0.93	1.52
2	3F	38	VAL	CA-C	-45.49	0.93	1.52
2	4B	38	VAL	CA-C	-45.49	0.93	1.52
2	4N	38	VAL	CA-C	-45.49	0.93	1.52
2	4V	38	VAL	CA-C	-45.49	0.93	1.52
2	5R	38	VAL	CA-C	-45.49	0.93	1.52
2	6J	38	VAL	CA-C	-45.49	0.93	1.52
2	6R	38	VAL	CA-C	-45.49	0.93	1.52
2	7N	38	VAL	CA-C	-45.49	0.93	1.52
2	1N	38	VAL	CA-C	-45.49	0.93	1.52
2	2J	38	VAL	CA-C	-45.49	0.93	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	38	VAL	CA-C	-45.49	0.93	1.52
2	3J	38	VAL	CA-C	-45.49	0.93	1.52
2	33	38	VAL	CA-C	-45.49	0.93	1.52
2	4F	38	VAL	CA-C	-45.49	0.93	1.52
2	4Z	38	VAL	CA-C	-45.49	0.93	1.52
2	5V	38	VAL	CA-C	-45.49	0.93	1.52
2	6N	38	VAL	CA-C	-45.49	0.93	1.52
2	6V	38	VAL	CA-C	-45.49	0.93	1.52
2	7F	38	VAL	CA-C	-45.49	0.93	1.52
2	7R	38	VAL	CA-C	-45.49	0.93	1.52
2	13	38	VAL	CA-C	-45.48	0.93	1.52
2	17	38	VAL	CA-C	-45.48	0.93	1.52
2	2B	38	VAL	CA-C	-45.48	0.93	1.52
2	3R	38	VAL	CA-C	-45.48	0.93	1.52
2	3V	38	VAL	CA-C	-45.48	0.93	1.52
2	3Z	38	VAL	CA-C	-45.48	0.93	1.52
2	5F	38	VAL	CA-C	-45.48	0.93	1.52
2	5J	38	VAL	CA-C	-45.48	0.93	1.52
2	5N	38	VAL	CA-C	-45.48	0.93	1.52
2	63	38	VAL	CA-C	-45.48	0.93	1.52
2	67	38	VAL	CA-C	-45.48	0.93	1.52
2	7B	38	VAL	CA-C	-45.48	0.93	1.52
2	1R	38	VAL	CA-C	-45.48	0.93	1.52
2	1V	38	VAL	CA-C	-45.48	0.93	1.52
2	1Z	38	VAL	CA-C	-45.48	0.93	1.52
2	2R	38	VAL	CA-C	-45.48	0.93	1.52
2	2V	38	VAL	CA-C	-45.48	0.93	1.52
2	2Z	38	VAL	CA-C	-45.48	0.93	1.52
2	43	38	VAL	CA-C	-45.48	0.93	1.52
2	47	38	VAL	CA-C	-45.48	0.93	1.52
2	5B	38	VAL	CA-C	-45.48	0.93	1.52
2	53	38	VAL	CA-C	-45.48	0.93	1.52
2	57	38	VAL	CA-C	-45.48	0.93	1.52
2	6B	38	VAL	CA-C	-45.48	0.93	1.52
2	13	78	HIS	CG-ND1	44.96	1.87	1.38
2	17	78	HIS	CG-ND1	44.96	1.87	1.38
2	2B	78	HIS	CG-ND1	44.96	1.87	1.38
2	3R	78	HIS	CG-ND1	44.96	1.87	1.38
2	3V	78	HIS	CG-ND1	44.96	1.87	1.38
2	3Z	78	HIS	CG-ND1	44.96	1.87	1.38
2	5F	78	HIS	CG-ND1	44.96	1.87	1.38
2	5J	78	HIS	CG-ND1	44.96	1.87	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	78	HIS	CG-ND1	44.96	1.87	1.38
2	63	78	HIS	CG-ND1	44.96	1.87	1.38
2	67	78	HIS	CG-ND1	44.96	1.87	1.38
2	7B	78	HIS	CG-ND1	44.96	1.87	1.38
2	1R	78	HIS	CG-ND1	44.87	1.87	1.38
2	1V	78	HIS	CG-ND1	44.87	1.87	1.38
2	1Z	78	HIS	CG-ND1	44.87	1.87	1.38
2	2R	78	HIS	CG-ND1	44.87	1.87	1.38
2	2V	78	HIS	CG-ND1	44.87	1.87	1.38
2	2Z	78	HIS	CG-ND1	44.87	1.87	1.38
2	43	78	HIS	CG-ND1	44.87	1.87	1.38
2	47	78	HIS	CG-ND1	44.87	1.87	1.38
2	5B	78	HIS	CG-ND1	44.87	1.87	1.38
2	53	78	HIS	CG-ND1	44.87	1.87	1.38
2	57	78	HIS	CG-ND1	44.87	1.87	1.38
2	6B	78	HIS	CG-ND1	44.87	1.87	1.38
2	1B	78	HIS	CG-ND1	44.87	1.87	1.38
2	1J	78	HIS	CG-ND1	44.87	1.87	1.38
2	2F	78	HIS	CG-ND1	44.87	1.87	1.38
2	27	78	HIS	CG-ND1	44.87	1.87	1.38
2	3F	78	HIS	CG-ND1	44.87	1.87	1.38
2	4B	78	HIS	CG-ND1	44.87	1.87	1.38
2	4N	78	HIS	CG-ND1	44.87	1.87	1.38
2	4V	78	HIS	CG-ND1	44.87	1.87	1.38
2	5R	78	HIS	CG-ND1	44.87	1.87	1.38
2	6J	78	HIS	CG-ND1	44.87	1.87	1.38
2	6R	78	HIS	CG-ND1	44.87	1.87	1.38
2	7N	78	HIS	CG-ND1	44.87	1.87	1.38
2	1F	78	HIS	CG-ND1	44.85	1.87	1.38
2	2N	78	HIS	CG-ND1	44.85	1.87	1.38
2	23	78	HIS	CG-ND1	44.85	1.87	1.38
2	3N	78	HIS	CG-ND1	44.85	1.87	1.38
2	37	78	HIS	CG-ND1	44.85	1.87	1.38
2	4J	78	HIS	CG-ND1	44.85	1.87	1.38
2	4R	78	HIS	CG-ND1	44.85	1.87	1.38
2	5Z	78	HIS	CG-ND1	44.85	1.87	1.38
2	6F	78	HIS	CG-ND1	44.85	1.87	1.38
2	6Z	78	HIS	CG-ND1	44.85	1.87	1.38
2	7J	78	HIS	CG-ND1	44.85	1.87	1.38
2	7V	78	HIS	CG-ND1	44.85	1.87	1.38
2	1N	78	HIS	CG-ND1	44.80	1.87	1.38
2	2J	78	HIS	CG-ND1	44.80	1.87	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	78	HIS	CG-ND1	44.80	1.87	1.38
2	3J	78	HIS	CG-ND1	44.80	1.87	1.38
2	33	78	HIS	CG-ND1	44.80	1.87	1.38
2	4F	78	HIS	CG-ND1	44.80	1.87	1.38
2	4Z	78	HIS	CG-ND1	44.80	1.87	1.38
2	5V	78	HIS	CG-ND1	44.80	1.87	1.38
2	6N	78	HIS	CG-ND1	44.80	1.87	1.38
2	6V	78	HIS	CG-ND1	44.80	1.87	1.38
2	7F	78	HIS	CG-ND1	44.80	1.87	1.38
2	7R	78	HIS	CG-ND1	44.80	1.87	1.38
2	1R	31	PHE	C-O	44.78	1.80	1.24
2	1V	31	PHE	C-O	44.78	1.80	1.24
2	1Z	31	PHE	C-O	44.78	1.80	1.24
2	2R	31	PHE	C-O	44.78	1.80	1.24
2	2V	31	PHE	C-O	44.78	1.80	1.24
2	2Z	31	PHE	C-O	44.78	1.80	1.24
2	43	31	PHE	C-O	44.78	1.80	1.24
2	47	31	PHE	C-O	44.78	1.80	1.24
2	5B	31	PHE	C-O	44.78	1.80	1.24
2	53	31	PHE	C-O	44.78	1.80	1.24
2	57	31	PHE	C-O	44.78	1.80	1.24
2	6B	31	PHE	C-O	44.78	1.80	1.24
2	1N	31	PHE	C-O	44.78	1.80	1.24
2	2J	31	PHE	C-O	44.78	1.80	1.24
2	3B	31	PHE	C-O	44.78	1.80	1.24
2	3J	31	PHE	C-O	44.78	1.80	1.24
2	33	31	PHE	C-O	44.78	1.80	1.24
2	4F	31	PHE	C-O	44.78	1.80	1.24
2	4Z	31	PHE	C-O	44.78	1.80	1.24
2	5V	31	PHE	C-O	44.78	1.80	1.24
2	6N	31	PHE	C-O	44.78	1.80	1.24
2	6V	31	PHE	C-O	44.78	1.80	1.24
2	7F	31	PHE	C-O	44.78	1.80	1.24
2	7R	31	PHE	C-O	44.78	1.80	1.24
2	1B	31	PHE	C-O	44.77	1.80	1.24
2	1J	31	PHE	C-O	44.77	1.80	1.24
2	2F	31	PHE	C-O	44.77	1.80	1.24
2	27	31	PHE	C-O	44.77	1.80	1.24
2	3F	31	PHE	C-O	44.77	1.80	1.24
2	4B	31	PHE	C-O	44.77	1.80	1.24
2	4N	31	PHE	C-O	44.77	1.80	1.24
2	4V	31	PHE	C-O	44.77	1.80	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	31	PHE	C-O	44.77	1.80	1.24
2	6J	31	PHE	C-O	44.77	1.80	1.24
2	6R	31	PHE	C-O	44.77	1.80	1.24
2	7N	31	PHE	C-O	44.77	1.80	1.24
2	1F	31	PHE	C-O	44.76	1.80	1.24
2	2N	31	PHE	C-O	44.76	1.80	1.24
2	23	31	PHE	C-O	44.76	1.80	1.24
2	3N	31	PHE	C-O	44.76	1.80	1.24
2	37	31	PHE	C-O	44.76	1.80	1.24
2	4J	31	PHE	C-O	44.76	1.80	1.24
2	4R	31	PHE	C-O	44.76	1.80	1.24
2	5Z	31	PHE	C-O	44.76	1.80	1.24
2	6F	31	PHE	C-O	44.76	1.80	1.24
2	6Z	31	PHE	C-O	44.76	1.80	1.24
2	7J	31	PHE	C-O	44.76	1.80	1.24
2	7V	31	PHE	C-O	44.76	1.80	1.24
2	13	31	PHE	C-O	44.74	1.80	1.24
2	17	31	PHE	C-O	44.74	1.80	1.24
2	2B	31	PHE	C-O	44.74	1.80	1.24
2	3R	31	PHE	C-O	44.74	1.80	1.24
2	3V	31	PHE	C-O	44.74	1.80	1.24
2	3Z	31	PHE	C-O	44.74	1.80	1.24
2	5F	31	PHE	C-O	44.74	1.80	1.24
2	5J	31	PHE	C-O	44.74	1.80	1.24
2	5N	31	PHE	C-O	44.74	1.80	1.24
2	63	31	PHE	C-O	44.74	1.80	1.24
2	67	31	PHE	C-O	44.74	1.80	1.24
2	7B	31	PHE	C-O	44.74	1.80	1.24
1	1M	18	PRO	C-N	44.65	1.98	1.33
1	2I	18	PRO	C-N	44.65	1.98	1.33
1	3A	18	PRO	C-N	44.65	1.98	1.33
1	3I	18	PRO	C-N	44.65	1.98	1.33
1	32	18	PRO	C-N	44.65	1.98	1.33
1	4E	18	PRO	C-N	44.65	1.98	1.33
1	4Y	18	PRO	C-N	44.65	1.98	1.33
1	5U	18	PRO	C-N	44.65	1.98	1.33
1	6M	18	PRO	C-N	44.65	1.98	1.33
1	6U	18	PRO	C-N	44.65	1.98	1.33
1	7E	18	PRO	C-N	44.65	1.98	1.33
1	7Q	18	PRO	C-N	44.65	1.98	1.33
1	1Q	18	PRO	C-N	44.62	1.98	1.33
1	1U	18	PRO	C-N	44.62	1.98	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	18	PRO	C-N	44.62	1.98	1.33
1	2Q	18	PRO	C-N	44.62	1.98	1.33
1	2U	18	PRO	C-N	44.62	1.98	1.33
1	2Y	18	PRO	C-N	44.62	1.98	1.33
1	42	18	PRO	C-N	44.62	1.98	1.33
1	46	18	PRO	C-N	44.62	1.98	1.33
1	5A	18	PRO	C-N	44.62	1.98	1.33
1	52	18	PRO	C-N	44.62	1.98	1.33
1	56	18	PRO	C-N	44.62	1.98	1.33
1	6A	18	PRO	C-N	44.62	1.98	1.33
1	1A	18	PRO	C-N	44.62	1.98	1.33
1	1I	18	PRO	C-N	44.62	1.98	1.33
1	2E	18	PRO	C-N	44.62	1.98	1.33
1	26	18	PRO	C-N	44.62	1.98	1.33
1	3E	18	PRO	C-N	44.62	1.98	1.33
1	4A	18	PRO	C-N	44.62	1.98	1.33
1	4M	18	PRO	C-N	44.62	1.98	1.33
1	4U	18	PRO	C-N	44.62	1.98	1.33
1	5Q	18	PRO	C-N	44.62	1.98	1.33
1	6I	18	PRO	C-N	44.62	1.98	1.33
1	6Q	18	PRO	C-N	44.62	1.98	1.33
1	7M	18	PRO	C-N	44.62	1.98	1.33
1	12	18	PRO	C-N	44.59	1.98	1.33
1	16	18	PRO	C-N	44.59	1.98	1.33
1	2A	18	PRO	C-N	44.59	1.98	1.33
1	3Q	18	PRO	C-N	44.59	1.98	1.33
1	3U	18	PRO	C-N	44.59	1.98	1.33
1	3Y	18	PRO	C-N	44.59	1.98	1.33
1	5E	18	PRO	C-N	44.59	1.98	1.33
1	5I	18	PRO	C-N	44.59	1.98	1.33
1	5M	18	PRO	C-N	44.59	1.98	1.33
1	62	18	PRO	C-N	44.59	1.98	1.33
1	66	18	PRO	C-N	44.59	1.98	1.33
1	7A	18	PRO	C-N	44.59	1.98	1.33
1	1E	18	PRO	C-N	44.58	1.98	1.33
1	2M	18	PRO	C-N	44.58	1.98	1.33
1	22	18	PRO	C-N	44.58	1.98	1.33
1	3M	18	PRO	C-N	44.58	1.98	1.33
1	36	18	PRO	C-N	44.58	1.98	1.33
1	4I	18	PRO	C-N	44.58	1.98	1.33
1	4Q	18	PRO	C-N	44.58	1.98	1.33
1	5Y	18	PRO	C-N	44.58	1.98	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	18	PRO	C-N	44.58	1.98	1.33
1	6Y	18	PRO	C-N	44.58	1.98	1.33
1	7I	18	PRO	C-N	44.58	1.98	1.33
1	7U	18	PRO	C-N	44.58	1.98	1.33
2	1N	69	SER	N-CA	-44.03	0.87	1.46
2	2J	69	SER	N-CA	-44.03	0.87	1.46
2	3B	69	SER	N-CA	-44.03	0.87	1.46
2	3J	69	SER	N-CA	-44.03	0.87	1.46
2	33	69	SER	N-CA	-44.03	0.87	1.46
2	4F	69	SER	N-CA	-44.03	0.87	1.46
2	4Z	69	SER	N-CA	-44.03	0.87	1.46
2	5V	69	SER	N-CA	-44.03	0.87	1.46
2	6N	69	SER	N-CA	-44.03	0.87	1.46
2	6V	69	SER	N-CA	-44.03	0.87	1.46
2	7F	69	SER	N-CA	-44.03	0.87	1.46
2	7R	69	SER	N-CA	-44.03	0.87	1.46
2	1F	69	SER	N-CA	-44.00	0.87	1.46
2	2N	69	SER	N-CA	-44.00	0.87	1.46
2	23	69	SER	N-CA	-44.00	0.87	1.46
2	3N	69	SER	N-CA	-44.00	0.87	1.46
2	37	69	SER	N-CA	-44.00	0.87	1.46
2	4J	69	SER	N-CA	-44.00	0.87	1.46
2	4R	69	SER	N-CA	-44.00	0.87	1.46
2	5Z	69	SER	N-CA	-44.00	0.87	1.46
2	6F	69	SER	N-CA	-44.00	0.87	1.46
2	6Z	69	SER	N-CA	-44.00	0.87	1.46
2	7J	69	SER	N-CA	-44.00	0.87	1.46
2	7V	69	SER	N-CA	-44.00	0.87	1.46
2	1R	69	SER	N-CA	-44.00	0.87	1.46
2	1V	69	SER	N-CA	-44.00	0.87	1.46
2	1Z	69	SER	N-CA	-44.00	0.87	1.46
2	2R	69	SER	N-CA	-44.00	0.87	1.46
2	2V	69	SER	N-CA	-44.00	0.87	1.46
2	2Z	69	SER	N-CA	-44.00	0.87	1.46
2	43	69	SER	N-CA	-44.00	0.87	1.46
2	47	69	SER	N-CA	-44.00	0.87	1.46
2	5B	69	SER	N-CA	-44.00	0.87	1.46
2	53	69	SER	N-CA	-44.00	0.87	1.46
2	57	69	SER	N-CA	-44.00	0.87	1.46
2	6B	69	SER	N-CA	-44.00	0.87	1.46
2	1B	69	SER	N-CA	-43.99	0.87	1.46
2	1J	69	SER	N-CA	-43.99	0.87	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	69	SER	N-CA	-43.99	0.87	1.46
2	27	69	SER	N-CA	-43.99	0.87	1.46
2	3F	69	SER	N-CA	-43.99	0.87	1.46
2	4B	69	SER	N-CA	-43.99	0.87	1.46
2	4N	69	SER	N-CA	-43.99	0.87	1.46
2	4V	69	SER	N-CA	-43.99	0.87	1.46
2	5R	69	SER	N-CA	-43.99	0.87	1.46
2	6J	69	SER	N-CA	-43.99	0.87	1.46
2	6R	69	SER	N-CA	-43.99	0.87	1.46
2	7N	69	SER	N-CA	-43.99	0.87	1.46
2	13	69	SER	N-CA	-43.96	0.87	1.46
2	17	69	SER	N-CA	-43.96	0.87	1.46
2	2B	69	SER	N-CA	-43.96	0.87	1.46
2	3R	69	SER	N-CA	-43.96	0.87	1.46
2	3V	69	SER	N-CA	-43.96	0.87	1.46
2	3Z	69	SER	N-CA	-43.96	0.87	1.46
2	5F	69	SER	N-CA	-43.96	0.87	1.46
2	5J	69	SER	N-CA	-43.96	0.87	1.46
2	5N	69	SER	N-CA	-43.96	0.87	1.46
2	63	69	SER	N-CA	-43.96	0.87	1.46
2	67	69	SER	N-CA	-43.96	0.87	1.46
2	7B	69	SER	N-CA	-43.96	0.87	1.46
1	1M	26	ALA	N-CA	-43.94	0.90	1.46
1	2I	26	ALA	N-CA	-43.94	0.90	1.46
1	3A	26	ALA	N-CA	-43.94	0.90	1.46
1	3I	26	ALA	N-CA	-43.94	0.90	1.46
1	32	26	ALA	N-CA	-43.94	0.90	1.46
1	4E	26	ALA	N-CA	-43.94	0.90	1.46
1	4Y	26	ALA	N-CA	-43.94	0.90	1.46
1	5U	26	ALA	N-CA	-43.94	0.90	1.46
1	6M	26	ALA	N-CA	-43.94	0.90	1.46
1	6U	26	ALA	N-CA	-43.94	0.90	1.46
1	7E	26	ALA	N-CA	-43.94	0.90	1.46
1	7Q	26	ALA	N-CA	-43.94	0.90	1.46
1	12	26	ALA	N-CA	-43.93	0.90	1.46
1	16	26	ALA	N-CA	-43.93	0.90	1.46
1	2A	26	ALA	N-CA	-43.93	0.90	1.46
1	3Q	26	ALA	N-CA	-43.93	0.90	1.46
1	3U	26	ALA	N-CA	-43.93	0.90	1.46
1	3Y	26	ALA	N-CA	-43.93	0.90	1.46
1	5E	26	ALA	N-CA	-43.93	0.90	1.46
1	5I	26	ALA	N-CA	-43.93	0.90	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	26	ALA	N-CA	-43.93	0.90	1.46
1	62	26	ALA	N-CA	-43.93	0.90	1.46
1	66	26	ALA	N-CA	-43.93	0.90	1.46
1	7A	26	ALA	N-CA	-43.93	0.90	1.46
1	1A	26	ALA	N-CA	-43.89	0.90	1.46
1	1I	26	ALA	N-CA	-43.89	0.90	1.46
1	2E	26	ALA	N-CA	-43.89	0.90	1.46
1	26	26	ALA	N-CA	-43.89	0.90	1.46
1	3E	26	ALA	N-CA	-43.89	0.90	1.46
1	4A	26	ALA	N-CA	-43.89	0.90	1.46
1	4M	26	ALA	N-CA	-43.89	0.90	1.46
1	4U	26	ALA	N-CA	-43.89	0.90	1.46
1	5Q	26	ALA	N-CA	-43.89	0.90	1.46
1	6I	26	ALA	N-CA	-43.89	0.90	1.46
1	6Q	26	ALA	N-CA	-43.89	0.90	1.46
1	7M	26	ALA	N-CA	-43.89	0.90	1.46
1	1E	26	ALA	N-CA	-43.85	0.90	1.46
1	2M	26	ALA	N-CA	-43.85	0.90	1.46
1	22	26	ALA	N-CA	-43.85	0.90	1.46
1	3M	26	ALA	N-CA	-43.85	0.90	1.46
1	36	26	ALA	N-CA	-43.85	0.90	1.46
1	4I	26	ALA	N-CA	-43.85	0.90	1.46
1	4Q	26	ALA	N-CA	-43.85	0.90	1.46
1	5Y	26	ALA	N-CA	-43.85	0.90	1.46
1	6E	26	ALA	N-CA	-43.85	0.90	1.46
1	6Y	26	ALA	N-CA	-43.85	0.90	1.46
1	7I	26	ALA	N-CA	-43.85	0.90	1.46
1	7U	26	ALA	N-CA	-43.85	0.90	1.46
1	1Q	26	ALA	N-CA	-43.84	0.90	1.46
1	1U	26	ALA	N-CA	-43.84	0.90	1.46
1	1Y	26	ALA	N-CA	-43.84	0.90	1.46
1	2Q	26	ALA	N-CA	-43.84	0.90	1.46
1	2U	26	ALA	N-CA	-43.84	0.90	1.46
1	2Y	26	ALA	N-CA	-43.84	0.90	1.46
1	42	26	ALA	N-CA	-43.84	0.90	1.46
1	46	26	ALA	N-CA	-43.84	0.90	1.46
1	5A	26	ALA	N-CA	-43.84	0.90	1.46
1	52	26	ALA	N-CA	-43.84	0.90	1.46
1	56	26	ALA	N-CA	-43.84	0.90	1.46
1	6A	26	ALA	N-CA	-43.84	0.90	1.46
2	1F	42	HIS	CG-ND1	43.60	1.86	1.38
2	2N	42	HIS	CG-ND1	43.60	1.86	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	42	HIS	CG-ND1	43.60	1.86	1.38
2	3N	42	HIS	CG-ND1	43.60	1.86	1.38
2	37	42	HIS	CG-ND1	43.60	1.86	1.38
2	4J	42	HIS	CG-ND1	43.60	1.86	1.38
2	4R	42	HIS	CG-ND1	43.60	1.86	1.38
2	5Z	42	HIS	CG-ND1	43.60	1.86	1.38
2	6F	42	HIS	CG-ND1	43.60	1.86	1.38
2	6Z	42	HIS	CG-ND1	43.60	1.86	1.38
2	7J	42	HIS	CG-ND1	43.60	1.86	1.38
2	7V	42	HIS	CG-ND1	43.60	1.86	1.38
2	1R	42	HIS	CG-ND1	43.60	1.86	1.38
2	1V	42	HIS	CG-ND1	43.60	1.86	1.38
2	1Z	42	HIS	CG-ND1	43.60	1.86	1.38
2	2R	42	HIS	CG-ND1	43.60	1.86	1.38
2	2V	42	HIS	CG-ND1	43.60	1.86	1.38
2	2Z	42	HIS	CG-ND1	43.60	1.86	1.38
2	43	42	HIS	CG-ND1	43.60	1.86	1.38
2	47	42	HIS	CG-ND1	43.60	1.86	1.38
2	5B	42	HIS	CG-ND1	43.60	1.86	1.38
2	53	42	HIS	CG-ND1	43.60	1.86	1.38
2	57	42	HIS	CG-ND1	43.60	1.86	1.38
2	6B	42	HIS	CG-ND1	43.60	1.86	1.38
2	1N	42	HIS	CG-ND1	43.58	1.86	1.38
2	2J	42	HIS	CG-ND1	43.58	1.86	1.38
2	3B	42	HIS	CG-ND1	43.58	1.86	1.38
2	3J	42	HIS	CG-ND1	43.58	1.86	1.38
2	33	42	HIS	CG-ND1	43.58	1.86	1.38
2	4F	42	HIS	CG-ND1	43.58	1.86	1.38
2	4Z	42	HIS	CG-ND1	43.58	1.86	1.38
2	5V	42	HIS	CG-ND1	43.58	1.86	1.38
2	6N	42	HIS	CG-ND1	43.58	1.86	1.38
2	6V	42	HIS	CG-ND1	43.58	1.86	1.38
2	7F	42	HIS	CG-ND1	43.58	1.86	1.38
2	7R	42	HIS	CG-ND1	43.58	1.86	1.38
2	13	42	HIS	CG-ND1	43.53	1.86	1.38
2	17	42	HIS	CG-ND1	43.53	1.86	1.38
2	2B	42	HIS	CG-ND1	43.53	1.86	1.38
2	3R	42	HIS	CG-ND1	43.53	1.86	1.38
2	3V	42	HIS	CG-ND1	43.53	1.86	1.38
2	3Z	42	HIS	CG-ND1	43.53	1.86	1.38
2	5F	42	HIS	CG-ND1	43.53	1.86	1.38
2	5J	42	HIS	CG-ND1	43.53	1.86	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	42	HIS	CG-ND1	43.53	1.86	1.38
2	63	42	HIS	CG-ND1	43.53	1.86	1.38
2	67	42	HIS	CG-ND1	43.53	1.86	1.38
2	7B	42	HIS	CG-ND1	43.53	1.86	1.38
2	1B	42	HIS	CG-ND1	43.52	1.86	1.38
2	1J	42	HIS	CG-ND1	43.52	1.86	1.38
2	2F	42	HIS	CG-ND1	43.52	1.86	1.38
2	27	42	HIS	CG-ND1	43.52	1.86	1.38
2	3F	42	HIS	CG-ND1	43.52	1.86	1.38
2	4B	42	HIS	CG-ND1	43.52	1.86	1.38
2	4N	42	HIS	CG-ND1	43.52	1.86	1.38
2	4V	42	HIS	CG-ND1	43.52	1.86	1.38
2	5R	42	HIS	CG-ND1	43.52	1.86	1.38
2	6J	42	HIS	CG-ND1	43.52	1.86	1.38
2	6R	42	HIS	CG-ND1	43.52	1.86	1.38
2	7N	42	HIS	CG-ND1	43.52	1.86	1.38
2	1B	27	PRO	CA-C	43.02	2.13	1.52
2	1J	27	PRO	CA-C	43.02	2.13	1.52
2	2F	27	PRO	CA-C	43.02	2.13	1.52
2	27	27	PRO	CA-C	43.02	2.13	1.52
2	3F	27	PRO	CA-C	43.02	2.13	1.52
2	4B	27	PRO	CA-C	43.02	2.13	1.52
2	4N	27	PRO	CA-C	43.02	2.13	1.52
2	4V	27	PRO	CA-C	43.02	2.13	1.52
2	5R	27	PRO	CA-C	43.02	2.13	1.52
2	6J	27	PRO	CA-C	43.02	2.13	1.52
2	6R	27	PRO	CA-C	43.02	2.13	1.52
2	7N	27	PRO	CA-C	43.02	2.13	1.52
2	1N	27	PRO	CA-C	42.99	2.13	1.52
2	2J	27	PRO	CA-C	42.99	2.13	1.52
2	3B	27	PRO	CA-C	42.99	2.13	1.52
2	3J	27	PRO	CA-C	42.99	2.13	1.52
2	33	27	PRO	CA-C	42.99	2.13	1.52
2	4F	27	PRO	CA-C	42.99	2.13	1.52
2	4Z	27	PRO	CA-C	42.99	2.13	1.52
2	5V	27	PRO	CA-C	42.99	2.13	1.52
2	6N	27	PRO	CA-C	42.99	2.13	1.52
2	6V	27	PRO	CA-C	42.99	2.13	1.52
2	7F	27	PRO	CA-C	42.99	2.13	1.52
2	7R	27	PRO	CA-C	42.99	2.13	1.52
2	1F	27	PRO	CA-C	42.97	2.13	1.52
2	2N	27	PRO	CA-C	42.97	2.13	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	27	PRO	CA-C	42.97	2.13	1.52
2	3N	27	PRO	CA-C	42.97	2.13	1.52
2	37	27	PRO	CA-C	42.97	2.13	1.52
2	4J	27	PRO	CA-C	42.97	2.13	1.52
2	4R	27	PRO	CA-C	42.97	2.13	1.52
2	5Z	27	PRO	CA-C	42.97	2.13	1.52
2	6F	27	PRO	CA-C	42.97	2.13	1.52
2	6Z	27	PRO	CA-C	42.97	2.13	1.52
2	7J	27	PRO	CA-C	42.97	2.13	1.52
2	7V	27	PRO	CA-C	42.97	2.13	1.52
2	1R	27	PRO	CA-C	42.95	2.13	1.52
2	1V	27	PRO	CA-C	42.95	2.13	1.52
2	1Z	27	PRO	CA-C	42.95	2.13	1.52
2	2R	27	PRO	CA-C	42.95	2.13	1.52
2	2V	27	PRO	CA-C	42.95	2.13	1.52
2	2Z	27	PRO	CA-C	42.95	2.13	1.52
2	43	27	PRO	CA-C	42.95	2.13	1.52
2	47	27	PRO	CA-C	42.95	2.13	1.52
2	5B	27	PRO	CA-C	42.95	2.13	1.52
2	53	27	PRO	CA-C	42.95	2.13	1.52
2	57	27	PRO	CA-C	42.95	2.13	1.52
2	6B	27	PRO	CA-C	42.95	2.13	1.52
2	13	27	PRO	CA-C	42.93	2.13	1.52
2	17	27	PRO	CA-C	42.93	2.13	1.52
2	2B	27	PRO	CA-C	42.93	2.13	1.52
2	3R	27	PRO	CA-C	42.93	2.13	1.52
2	3V	27	PRO	CA-C	42.93	2.13	1.52
2	3Z	27	PRO	CA-C	42.93	2.13	1.52
2	5F	27	PRO	CA-C	42.93	2.13	1.52
2	5J	27	PRO	CA-C	42.93	2.13	1.52
2	5N	27	PRO	CA-C	42.93	2.13	1.52
2	63	27	PRO	CA-C	42.93	2.13	1.52
2	67	27	PRO	CA-C	42.93	2.13	1.52
2	7B	27	PRO	CA-C	42.93	2.13	1.52
2	1B	208	SER	C-N	42.64	1.93	1.33
2	1J	208	SER	C-N	42.64	1.93	1.33
2	2F	208	SER	C-N	42.64	1.93	1.33
2	27	208	SER	C-N	42.64	1.93	1.33
2	3F	208	SER	C-N	42.64	1.93	1.33
2	4B	208	SER	C-N	42.64	1.93	1.33
2	4N	208	SER	C-N	42.64	1.93	1.33
2	4V	208	SER	C-N	42.64	1.93	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	208	SER	C-N	42.64	1.93	1.33
2	6J	208	SER	C-N	42.64	1.93	1.33
2	6R	208	SER	C-N	42.64	1.93	1.33
2	7N	208	SER	C-N	42.64	1.93	1.33
2	13	208	SER	C-N	42.63	1.93	1.33
2	17	208	SER	C-N	42.63	1.93	1.33
2	2B	208	SER	C-N	42.63	1.93	1.33
2	3R	208	SER	C-N	42.63	1.93	1.33
2	3V	208	SER	C-N	42.63	1.93	1.33
2	3Z	208	SER	C-N	42.63	1.93	1.33
2	5F	208	SER	C-N	42.63	1.93	1.33
2	5J	208	SER	C-N	42.63	1.93	1.33
2	5N	208	SER	C-N	42.63	1.93	1.33
2	63	208	SER	C-N	42.63	1.93	1.33
2	67	208	SER	C-N	42.63	1.93	1.33
2	7B	208	SER	C-N	42.63	1.93	1.33
2	1R	208	SER	C-N	42.62	1.93	1.33
2	1V	208	SER	C-N	42.62	1.93	1.33
2	1Z	208	SER	C-N	42.62	1.93	1.33
2	2R	208	SER	C-N	42.62	1.93	1.33
2	2V	208	SER	C-N	42.62	1.93	1.33
2	2Z	208	SER	C-N	42.62	1.93	1.33
2	43	208	SER	C-N	42.62	1.93	1.33
2	47	208	SER	C-N	42.62	1.93	1.33
2	5B	208	SER	C-N	42.62	1.93	1.33
2	53	208	SER	C-N	42.62	1.93	1.33
2	57	208	SER	C-N	42.62	1.93	1.33
2	6B	208	SER	C-N	42.62	1.93	1.33
2	1N	208	SER	C-N	42.61	1.93	1.33
2	2J	208	SER	C-N	42.61	1.93	1.33
2	3B	208	SER	C-N	42.61	1.93	1.33
2	3J	208	SER	C-N	42.61	1.93	1.33
2	33	208	SER	C-N	42.61	1.93	1.33
2	4F	208	SER	C-N	42.61	1.93	1.33
2	4Z	208	SER	C-N	42.61	1.93	1.33
2	5V	208	SER	C-N	42.61	1.93	1.33
2	6N	208	SER	C-N	42.61	1.93	1.33
2	6V	208	SER	C-N	42.61	1.93	1.33
2	7F	208	SER	C-N	42.61	1.93	1.33
2	7R	208	SER	C-N	42.61	1.93	1.33
2	1F	208	SER	C-N	42.59	1.93	1.33
2	2N	208	SER	C-N	42.59	1.93	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	208	SER	C-N	42.59	1.93	1.33
2	3N	208	SER	C-N	42.59	1.93	1.33
2	37	208	SER	C-N	42.59	1.93	1.33
2	4J	208	SER	C-N	42.59	1.93	1.33
2	4R	208	SER	C-N	42.59	1.93	1.33
2	5Z	208	SER	C-N	42.59	1.93	1.33
2	6F	208	SER	C-N	42.59	1.93	1.33
2	6Z	208	SER	C-N	42.59	1.93	1.33
2	7J	208	SER	C-N	42.59	1.93	1.33
2	7V	208	SER	C-N	42.59	1.93	1.33
2	1N	30	PRO	N-CA	-42.38	0.93	1.47
2	2J	30	PRO	N-CA	-42.38	0.93	1.47
2	3B	30	PRO	N-CA	-42.38	0.93	1.47
2	3J	30	PRO	N-CA	-42.38	0.93	1.47
2	33	30	PRO	N-CA	-42.38	0.93	1.47
2	4F	30	PRO	N-CA	-42.38	0.93	1.47
2	4Z	30	PRO	N-CA	-42.38	0.93	1.47
2	5V	30	PRO	N-CA	-42.38	0.93	1.47
2	6N	30	PRO	N-CA	-42.38	0.93	1.47
2	6V	30	PRO	N-CA	-42.38	0.93	1.47
2	7F	30	PRO	N-CA	-42.38	0.93	1.47
2	7R	30	PRO	N-CA	-42.38	0.93	1.47
2	13	30	PRO	N-CA	-42.37	0.93	1.47
2	17	30	PRO	N-CA	-42.37	0.93	1.47
2	2B	30	PRO	N-CA	-42.37	0.93	1.47
2	3R	30	PRO	N-CA	-42.37	0.93	1.47
2	3V	30	PRO	N-CA	-42.37	0.93	1.47
2	3Z	30	PRO	N-CA	-42.37	0.93	1.47
2	5F	30	PRO	N-CA	-42.37	0.93	1.47
2	5J	30	PRO	N-CA	-42.37	0.93	1.47
2	5N	30	PRO	N-CA	-42.37	0.93	1.47
2	63	30	PRO	N-CA	-42.37	0.93	1.47
2	67	30	PRO	N-CA	-42.37	0.93	1.47
2	7B	30	PRO	N-CA	-42.37	0.93	1.47
2	1B	108	HIS	CG-ND1	-42.35	0.91	1.38
2	1J	108	HIS	CG-ND1	-42.35	0.91	1.38
2	2F	108	HIS	CG-ND1	-42.35	0.91	1.38
2	27	108	HIS	CG-ND1	-42.35	0.91	1.38
2	3F	108	HIS	CG-ND1	-42.35	0.91	1.38
2	4B	108	HIS	CG-ND1	-42.35	0.91	1.38
2	4N	108	HIS	CG-ND1	-42.35	0.91	1.38
2	4V	108	HIS	CG-ND1	-42.35	0.91	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	108	HIS	CG-ND1	-42.35	0.91	1.38
2	6J	108	HIS	CG-ND1	-42.35	0.91	1.38
2	6R	108	HIS	CG-ND1	-42.35	0.91	1.38
2	7N	108	HIS	CG-ND1	-42.35	0.91	1.38
2	1F	108	HIS	CG-ND1	-42.35	0.91	1.38
2	2N	108	HIS	CG-ND1	-42.35	0.91	1.38
2	23	108	HIS	CG-ND1	-42.35	0.91	1.38
2	3N	108	HIS	CG-ND1	-42.35	0.91	1.38
2	37	108	HIS	CG-ND1	-42.35	0.91	1.38
2	4J	108	HIS	CG-ND1	-42.35	0.91	1.38
2	4R	108	HIS	CG-ND1	-42.35	0.91	1.38
2	5Z	108	HIS	CG-ND1	-42.35	0.91	1.38
2	6F	108	HIS	CG-ND1	-42.35	0.91	1.38
2	6Z	108	HIS	CG-ND1	-42.35	0.91	1.38
2	7J	108	HIS	CG-ND1	-42.35	0.91	1.38
2	7V	108	HIS	CG-ND1	-42.35	0.91	1.38
2	13	108	HIS	CG-ND1	-42.33	0.91	1.38
2	17	108	HIS	CG-ND1	-42.33	0.91	1.38
2	2B	108	HIS	CG-ND1	-42.33	0.91	1.38
2	3R	108	HIS	CG-ND1	-42.33	0.91	1.38
2	3V	108	HIS	CG-ND1	-42.33	0.91	1.38
2	3Z	108	HIS	CG-ND1	-42.33	0.91	1.38
2	5F	108	HIS	CG-ND1	-42.33	0.91	1.38
2	5J	108	HIS	CG-ND1	-42.33	0.91	1.38
2	5N	108	HIS	CG-ND1	-42.33	0.91	1.38
2	63	108	HIS	CG-ND1	-42.33	0.91	1.38
2	67	108	HIS	CG-ND1	-42.33	0.91	1.38
2	7B	108	HIS	CG-ND1	-42.33	0.91	1.38
2	1R	30	PRO	N-CA	-42.33	0.93	1.47
2	1V	30	PRO	N-CA	-42.33	0.93	1.47
2	1Z	30	PRO	N-CA	-42.33	0.93	1.47
2	2R	30	PRO	N-CA	-42.33	0.93	1.47
2	2V	30	PRO	N-CA	-42.33	0.93	1.47
2	2Z	30	PRO	N-CA	-42.33	0.93	1.47
2	43	30	PRO	N-CA	-42.33	0.93	1.47
2	47	30	PRO	N-CA	-42.33	0.93	1.47
2	5B	30	PRO	N-CA	-42.33	0.93	1.47
2	53	30	PRO	N-CA	-42.33	0.93	1.47
2	57	30	PRO	N-CA	-42.33	0.93	1.47
2	6B	30	PRO	N-CA	-42.33	0.93	1.47
2	1F	30	PRO	N-CA	-42.33	0.93	1.47
2	2N	30	PRO	N-CA	-42.33	0.93	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	30	PRO	N-CA	-42.33	0.93	1.47
2	3N	30	PRO	N-CA	-42.33	0.93	1.47
2	37	30	PRO	N-CA	-42.33	0.93	1.47
2	4J	30	PRO	N-CA	-42.33	0.93	1.47
2	4R	30	PRO	N-CA	-42.33	0.93	1.47
2	5Z	30	PRO	N-CA	-42.33	0.93	1.47
2	6F	30	PRO	N-CA	-42.33	0.93	1.47
2	6Z	30	PRO	N-CA	-42.33	0.93	1.47
2	7J	30	PRO	N-CA	-42.33	0.93	1.47
2	7V	30	PRO	N-CA	-42.33	0.93	1.47
2	1B	30	PRO	N-CA	-42.31	0.93	1.47
2	1J	30	PRO	N-CA	-42.31	0.93	1.47
2	2F	30	PRO	N-CA	-42.31	0.93	1.47
2	27	30	PRO	N-CA	-42.31	0.93	1.47
2	3F	30	PRO	N-CA	-42.31	0.93	1.47
2	4B	30	PRO	N-CA	-42.31	0.93	1.47
2	4N	30	PRO	N-CA	-42.31	0.93	1.47
2	4V	30	PRO	N-CA	-42.31	0.93	1.47
2	5R	30	PRO	N-CA	-42.31	0.93	1.47
2	6J	30	PRO	N-CA	-42.31	0.93	1.47
2	6R	30	PRO	N-CA	-42.31	0.93	1.47
2	7N	30	PRO	N-CA	-42.31	0.93	1.47
2	1R	108	HIS	CG-ND1	-42.30	0.91	1.38
2	1V	108	HIS	CG-ND1	-42.30	0.91	1.38
2	1Z	108	HIS	CG-ND1	-42.30	0.91	1.38
2	2R	108	HIS	CG-ND1	-42.30	0.91	1.38
2	2V	108	HIS	CG-ND1	-42.30	0.91	1.38
2	2Z	108	HIS	CG-ND1	-42.30	0.91	1.38
2	43	108	HIS	CG-ND1	-42.30	0.91	1.38
2	47	108	HIS	CG-ND1	-42.30	0.91	1.38
2	5B	108	HIS	CG-ND1	-42.30	0.91	1.38
2	53	108	HIS	CG-ND1	-42.30	0.91	1.38
2	57	108	HIS	CG-ND1	-42.30	0.91	1.38
2	6B	108	HIS	CG-ND1	-42.30	0.91	1.38
2	1N	108	HIS	CG-ND1	-42.26	0.91	1.38
2	2J	108	HIS	CG-ND1	-42.26	0.91	1.38
2	3B	108	HIS	CG-ND1	-42.26	0.91	1.38
2	3J	108	HIS	CG-ND1	-42.26	0.91	1.38
2	33	108	HIS	CG-ND1	-42.26	0.91	1.38
2	4F	108	HIS	CG-ND1	-42.26	0.91	1.38
2	4Z	108	HIS	CG-ND1	-42.26	0.91	1.38
2	5V	108	HIS	CG-ND1	-42.26	0.91	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	108	HIS	CG-ND1	-42.26	0.91	1.38
2	6V	108	HIS	CG-ND1	-42.26	0.91	1.38
2	7F	108	HIS	CG-ND1	-42.26	0.91	1.38
2	7R	108	HIS	CG-ND1	-42.26	0.91	1.38
2	1B	60	ARG	CA-CB	41.85	2.24	1.53
2	1J	60	ARG	CA-CB	41.85	2.24	1.53
2	2F	60	ARG	CA-CB	41.85	2.24	1.53
2	27	60	ARG	CA-CB	41.85	2.24	1.53
2	3F	60	ARG	CA-CB	41.85	2.24	1.53
2	4B	60	ARG	CA-CB	41.85	2.24	1.53
2	4N	60	ARG	CA-CB	41.85	2.24	1.53
2	4V	60	ARG	CA-CB	41.85	2.24	1.53
2	5R	60	ARG	CA-CB	41.85	2.24	1.53
2	6J	60	ARG	CA-CB	41.85	2.24	1.53
2	6R	60	ARG	CA-CB	41.85	2.24	1.53
2	7N	60	ARG	CA-CB	41.85	2.24	1.53
2	13	60	ARG	CA-CB	41.85	2.24	1.53
2	17	60	ARG	CA-CB	41.85	2.24	1.53
2	2B	60	ARG	CA-CB	41.85	2.24	1.53
2	3R	60	ARG	CA-CB	41.85	2.24	1.53
2	3V	60	ARG	CA-CB	41.85	2.24	1.53
2	3Z	60	ARG	CA-CB	41.85	2.24	1.53
2	5F	60	ARG	CA-CB	41.85	2.24	1.53
2	5J	60	ARG	CA-CB	41.85	2.24	1.53
2	5N	60	ARG	CA-CB	41.85	2.24	1.53
2	63	60	ARG	CA-CB	41.85	2.24	1.53
2	67	60	ARG	CA-CB	41.85	2.24	1.53
2	7B	60	ARG	CA-CB	41.85	2.24	1.53
2	1F	60	ARG	CA-CB	41.85	2.24	1.53
2	2N	60	ARG	CA-CB	41.85	2.24	1.53
2	23	60	ARG	CA-CB	41.85	2.24	1.53
2	3N	60	ARG	CA-CB	41.85	2.24	1.53
2	37	60	ARG	CA-CB	41.85	2.24	1.53
2	4J	60	ARG	CA-CB	41.85	2.24	1.53
2	4R	60	ARG	CA-CB	41.85	2.24	1.53
2	5Z	60	ARG	CA-CB	41.85	2.24	1.53
2	6F	60	ARG	CA-CB	41.85	2.24	1.53
2	6Z	60	ARG	CA-CB	41.85	2.24	1.53
2	7J	60	ARG	CA-CB	41.85	2.24	1.53
2	7V	60	ARG	CA-CB	41.85	2.24	1.53
2	1R	60	ARG	CA-CB	41.84	2.24	1.53
2	1V	60	ARG	CA-CB	41.84	2.24	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	60	ARG	CA-CB	41.84	2.24	1.53
2	2R	60	ARG	CA-CB	41.84	2.24	1.53
2	2V	60	ARG	CA-CB	41.84	2.24	1.53
2	2Z	60	ARG	CA-CB	41.84	2.24	1.53
2	43	60	ARG	CA-CB	41.84	2.24	1.53
2	47	60	ARG	CA-CB	41.84	2.24	1.53
2	5B	60	ARG	CA-CB	41.84	2.24	1.53
2	53	60	ARG	CA-CB	41.84	2.24	1.53
2	57	60	ARG	CA-CB	41.84	2.24	1.53
2	6B	60	ARG	CA-CB	41.84	2.24	1.53
2	1N	60	ARG	CA-CB	41.84	2.24	1.53
2	2J	60	ARG	CA-CB	41.84	2.24	1.53
2	3B	60	ARG	CA-CB	41.84	2.24	1.53
2	3J	60	ARG	CA-CB	41.84	2.24	1.53
2	33	60	ARG	CA-CB	41.84	2.24	1.53
2	4F	60	ARG	CA-CB	41.84	2.24	1.53
2	4Z	60	ARG	CA-CB	41.84	2.24	1.53
2	5V	60	ARG	CA-CB	41.84	2.24	1.53
2	6N	60	ARG	CA-CB	41.84	2.24	1.53
2	6V	60	ARG	CA-CB	41.84	2.24	1.53
2	7F	60	ARG	CA-CB	41.84	2.24	1.53
2	7R	60	ARG	CA-CB	41.84	2.24	1.53
1	12	48	TYR	CA-C	-41.72	0.99	1.52
1	16	48	TYR	CA-C	-41.72	0.99	1.52
1	2A	48	TYR	CA-C	-41.72	0.99	1.52
1	3Q	48	TYR	CA-C	-41.72	0.99	1.52
1	3U	48	TYR	CA-C	-41.72	0.99	1.52
1	3Y	48	TYR	CA-C	-41.72	0.99	1.52
1	5E	48	TYR	CA-C	-41.72	0.99	1.52
1	5I	48	TYR	CA-C	-41.72	0.99	1.52
1	5M	48	TYR	CA-C	-41.72	0.99	1.52
1	62	48	TYR	CA-C	-41.72	0.99	1.52
1	66	48	TYR	CA-C	-41.72	0.99	1.52
1	7A	48	TYR	CA-C	-41.72	0.99	1.52
1	1Q	48	TYR	CA-C	-41.71	0.99	1.52
1	1U	48	TYR	CA-C	-41.71	0.99	1.52
1	1Y	48	TYR	CA-C	-41.71	0.99	1.52
1	2Q	48	TYR	CA-C	-41.71	0.99	1.52
1	2U	48	TYR	CA-C	-41.71	0.99	1.52
1	2Y	48	TYR	CA-C	-41.71	0.99	1.52
1	42	48	TYR	CA-C	-41.71	0.99	1.52
1	46	48	TYR	CA-C	-41.71	0.99	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	48	TYR	CA-C	-41.71	0.99	1.52
1	52	48	TYR	CA-C	-41.71	0.99	1.52
1	56	48	TYR	CA-C	-41.71	0.99	1.52
1	6A	48	TYR	CA-C	-41.71	0.99	1.52
1	1E	48	TYR	CA-C	-41.70	0.99	1.52
1	2M	48	TYR	CA-C	-41.70	0.99	1.52
1	22	48	TYR	CA-C	-41.70	0.99	1.52
1	3M	48	TYR	CA-C	-41.70	0.99	1.52
1	36	48	TYR	CA-C	-41.70	0.99	1.52
1	4I	48	TYR	CA-C	-41.70	0.99	1.52
1	4Q	48	TYR	CA-C	-41.70	0.99	1.52
1	5Y	48	TYR	CA-C	-41.70	0.99	1.52
1	6E	48	TYR	CA-C	-41.70	0.99	1.52
1	6Y	48	TYR	CA-C	-41.70	0.99	1.52
1	7I	48	TYR	CA-C	-41.70	0.99	1.52
1	7U	48	TYR	CA-C	-41.70	0.99	1.52
1	1A	48	TYR	CA-C	-41.69	0.99	1.52
1	1I	48	TYR	CA-C	-41.69	0.99	1.52
1	1M	48	TYR	CA-C	-41.69	0.99	1.52
1	2E	48	TYR	CA-C	-41.69	0.99	1.52
1	2I	48	TYR	CA-C	-41.69	0.99	1.52
1	26	48	TYR	CA-C	-41.69	0.99	1.52
1	3A	48	TYR	CA-C	-41.69	0.99	1.52
1	3E	48	TYR	CA-C	-41.69	0.99	1.52
1	3I	48	TYR	CA-C	-41.69	0.99	1.52
1	32	48	TYR	CA-C	-41.69	0.99	1.52
1	4A	48	TYR	CA-C	-41.69	0.99	1.52
1	4E	48	TYR	CA-C	-41.69	0.99	1.52
1	4M	48	TYR	CA-C	-41.69	0.99	1.52
1	4U	48	TYR	CA-C	-41.69	0.99	1.52
1	4Y	48	TYR	CA-C	-41.69	0.99	1.52
1	5Q	48	TYR	CA-C	-41.69	0.99	1.52
1	5U	48	TYR	CA-C	-41.69	0.99	1.52
1	6I	48	TYR	CA-C	-41.69	0.99	1.52
1	6M	48	TYR	CA-C	-41.69	0.99	1.52
1	6Q	48	TYR	CA-C	-41.69	0.99	1.52
1	6U	48	TYR	CA-C	-41.69	0.99	1.52
1	7E	48	TYR	CA-C	-41.69	0.99	1.52
1	7M	48	TYR	CA-C	-41.69	0.99	1.52
1	7Q	48	TYR	CA-C	-41.69	0.99	1.52
2	1R	52	ASP	N-CA	-41.56	0.94	1.45
2	1V	52	ASP	N-CA	-41.56	0.94	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	52	ASP	N-CA	-41.56	0.94	1.45
2	2R	52	ASP	N-CA	-41.56	0.94	1.45
2	2V	52	ASP	N-CA	-41.56	0.94	1.45
2	2Z	52	ASP	N-CA	-41.56	0.94	1.45
2	43	52	ASP	N-CA	-41.56	0.94	1.45
2	47	52	ASP	N-CA	-41.56	0.94	1.45
2	5B	52	ASP	N-CA	-41.56	0.94	1.45
2	53	52	ASP	N-CA	-41.56	0.94	1.45
2	57	52	ASP	N-CA	-41.56	0.94	1.45
2	6B	52	ASP	N-CA	-41.56	0.94	1.45
2	1N	52	ASP	N-CA	-41.54	0.95	1.45
2	13	52	ASP	N-CA	-41.54	0.95	1.45
2	17	52	ASP	N-CA	-41.54	0.95	1.45
2	2B	52	ASP	N-CA	-41.54	0.95	1.45
2	2J	52	ASP	N-CA	-41.54	0.95	1.45
2	3B	52	ASP	N-CA	-41.54	0.95	1.45
2	3J	52	ASP	N-CA	-41.54	0.95	1.45
2	3R	52	ASP	N-CA	-41.54	0.95	1.45
2	3V	52	ASP	N-CA	-41.54	0.95	1.45
2	3Z	52	ASP	N-CA	-41.54	0.95	1.45
2	33	52	ASP	N-CA	-41.54	0.95	1.45
2	4F	52	ASP	N-CA	-41.54	0.95	1.45
2	4Z	52	ASP	N-CA	-41.54	0.95	1.45
2	5F	52	ASP	N-CA	-41.54	0.95	1.45
2	5J	52	ASP	N-CA	-41.54	0.95	1.45
2	5N	52	ASP	N-CA	-41.54	0.95	1.45
2	5V	52	ASP	N-CA	-41.54	0.95	1.45
2	6N	52	ASP	N-CA	-41.54	0.95	1.45
2	6V	52	ASP	N-CA	-41.54	0.95	1.45
2	63	52	ASP	N-CA	-41.54	0.95	1.45
2	67	52	ASP	N-CA	-41.54	0.95	1.45
2	7B	52	ASP	N-CA	-41.54	0.95	1.45
2	7F	52	ASP	N-CA	-41.54	0.95	1.45
2	7R	52	ASP	N-CA	-41.54	0.95	1.45
2	1F	52	ASP	N-CA	-41.50	0.95	1.45
2	2N	52	ASP	N-CA	-41.50	0.95	1.45
2	23	52	ASP	N-CA	-41.50	0.95	1.45
2	3N	52	ASP	N-CA	-41.50	0.95	1.45
2	37	52	ASP	N-CA	-41.50	0.95	1.45
2	4J	52	ASP	N-CA	-41.50	0.95	1.45
2	4R	52	ASP	N-CA	-41.50	0.95	1.45
2	5Z	52	ASP	N-CA	-41.50	0.95	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	52	ASP	N-CA	-41.50	0.95	1.45
2	6Z	52	ASP	N-CA	-41.50	0.95	1.45
2	7J	52	ASP	N-CA	-41.50	0.95	1.45
2	7V	52	ASP	N-CA	-41.50	0.95	1.45
2	1B	52	ASP	N-CA	-41.50	0.95	1.45
2	1J	52	ASP	N-CA	-41.50	0.95	1.45
2	2F	52	ASP	N-CA	-41.50	0.95	1.45
2	27	52	ASP	N-CA	-41.50	0.95	1.45
2	3F	52	ASP	N-CA	-41.50	0.95	1.45
2	4B	52	ASP	N-CA	-41.50	0.95	1.45
2	4N	52	ASP	N-CA	-41.50	0.95	1.45
2	4V	52	ASP	N-CA	-41.50	0.95	1.45
2	5R	52	ASP	N-CA	-41.50	0.95	1.45
2	6J	52	ASP	N-CA	-41.50	0.95	1.45
2	6R	52	ASP	N-CA	-41.50	0.95	1.45
2	7N	52	ASP	N-CA	-41.50	0.95	1.45
1	1A	82	ARG	CA-C	41.46	1.72	1.52
1	1I	82	ARG	CA-C	41.46	1.72	1.52
1	2E	82	ARG	CA-C	41.46	1.72	1.52
1	26	82	ARG	CA-C	41.46	1.72	1.52
1	3E	82	ARG	CA-C	41.46	1.72	1.52
1	4A	82	ARG	CA-C	41.46	1.72	1.52
1	4M	82	ARG	CA-C	41.46	1.72	1.52
1	4U	82	ARG	CA-C	41.46	1.72	1.52
1	5Q	82	ARG	CA-C	41.46	1.72	1.52
1	6I	82	ARG	CA-C	41.46	1.72	1.52
1	6Q	82	ARG	CA-C	41.46	1.72	1.52
1	7M	82	ARG	CA-C	41.46	1.72	1.52
1	1Q	82	ARG	CA-C	41.45	1.72	1.52
1	1U	82	ARG	CA-C	41.45	1.72	1.52
1	1Y	82	ARG	CA-C	41.45	1.72	1.52
1	2Q	82	ARG	CA-C	41.45	1.72	1.52
1	2U	82	ARG	CA-C	41.45	1.72	1.52
1	2Y	82	ARG	CA-C	41.45	1.72	1.52
1	42	82	ARG	CA-C	41.45	1.72	1.52
1	46	82	ARG	CA-C	41.45	1.72	1.52
1	5A	82	ARG	CA-C	41.45	1.72	1.52
1	52	82	ARG	CA-C	41.45	1.72	1.52
1	56	82	ARG	CA-C	41.45	1.72	1.52
1	6A	82	ARG	CA-C	41.45	1.72	1.52
2	1B	3	PRO	N-CA	41.44	1.94	1.47
2	1J	3	PRO	N-CA	41.44	1.94	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1M	82	ARG	CA-C	41.44	1.72	1.52
2	2F	3	PRO	N-CA	41.44	1.94	1.47
1	2I	82	ARG	CA-C	41.44	1.72	1.52
2	27	3	PRO	N-CA	41.44	1.94	1.47
1	3A	82	ARG	CA-C	41.44	1.72	1.52
2	3F	3	PRO	N-CA	41.44	1.94	1.47
1	3I	82	ARG	CA-C	41.44	1.72	1.52
1	32	82	ARG	CA-C	41.44	1.72	1.52
2	4B	3	PRO	N-CA	41.44	1.94	1.47
1	4E	82	ARG	CA-C	41.44	1.72	1.52
2	4N	3	PRO	N-CA	41.44	1.94	1.47
2	4V	3	PRO	N-CA	41.44	1.94	1.47
1	4Y	82	ARG	CA-C	41.44	1.72	1.52
2	5R	3	PRO	N-CA	41.44	1.94	1.47
1	5U	82	ARG	CA-C	41.44	1.72	1.52
2	6J	3	PRO	N-CA	41.44	1.94	1.47
1	6M	82	ARG	CA-C	41.44	1.72	1.52
2	6R	3	PRO	N-CA	41.44	1.94	1.47
1	6U	82	ARG	CA-C	41.44	1.72	1.52
1	7E	82	ARG	CA-C	41.44	1.72	1.52
2	7N	3	PRO	N-CA	41.44	1.94	1.47
1	7Q	82	ARG	CA-C	41.44	1.72	1.52
1	12	82	ARG	CA-C	41.44	1.72	1.52
1	16	82	ARG	CA-C	41.44	1.72	1.52
1	2A	82	ARG	CA-C	41.44	1.72	1.52
1	3Q	82	ARG	CA-C	41.44	1.72	1.52
1	3U	82	ARG	CA-C	41.44	1.72	1.52
1	3Y	82	ARG	CA-C	41.44	1.72	1.52
1	5E	82	ARG	CA-C	41.44	1.72	1.52
1	5I	82	ARG	CA-C	41.44	1.72	1.52
1	5M	82	ARG	CA-C	41.44	1.72	1.52
1	62	82	ARG	CA-C	41.44	1.72	1.52
1	66	82	ARG	CA-C	41.44	1.72	1.52
1	7A	82	ARG	CA-C	41.44	1.72	1.52
2	1N	3	PRO	N-CA	41.44	1.94	1.47
2	2J	3	PRO	N-CA	41.44	1.94	1.47
2	3B	3	PRO	N-CA	41.44	1.94	1.47
2	3J	3	PRO	N-CA	41.44	1.94	1.47
2	33	3	PRO	N-CA	41.44	1.94	1.47
2	4F	3	PRO	N-CA	41.44	1.94	1.47
2	4Z	3	PRO	N-CA	41.44	1.94	1.47
2	5V	3	PRO	N-CA	41.44	1.94	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	3	PRO	N-CA	41.44	1.94	1.47
2	6V	3	PRO	N-CA	41.44	1.94	1.47
2	7F	3	PRO	N-CA	41.44	1.94	1.47
2	7R	3	PRO	N-CA	41.44	1.94	1.47
2	13	3	PRO	N-CA	41.42	1.94	1.47
2	17	3	PRO	N-CA	41.42	1.94	1.47
2	2B	3	PRO	N-CA	41.42	1.94	1.47
2	3R	3	PRO	N-CA	41.42	1.94	1.47
2	3V	3	PRO	N-CA	41.42	1.94	1.47
2	3Z	3	PRO	N-CA	41.42	1.94	1.47
2	5F	3	PRO	N-CA	41.42	1.94	1.47
2	5J	3	PRO	N-CA	41.42	1.94	1.47
2	5N	3	PRO	N-CA	41.42	1.94	1.47
2	63	3	PRO	N-CA	41.42	1.94	1.47
2	67	3	PRO	N-CA	41.42	1.94	1.47
2	7B	3	PRO	N-CA	41.42	1.94	1.47
2	1F	3	PRO	N-CA	41.41	1.94	1.47
2	2N	3	PRO	N-CA	41.41	1.94	1.47
2	23	3	PRO	N-CA	41.41	1.94	1.47
2	3N	3	PRO	N-CA	41.41	1.94	1.47
2	37	3	PRO	N-CA	41.41	1.94	1.47
2	4J	3	PRO	N-CA	41.41	1.94	1.47
2	4R	3	PRO	N-CA	41.41	1.94	1.47
2	5Z	3	PRO	N-CA	41.41	1.94	1.47
2	6F	3	PRO	N-CA	41.41	1.94	1.47
2	6Z	3	PRO	N-CA	41.41	1.94	1.47
2	7J	3	PRO	N-CA	41.41	1.94	1.47
2	7V	3	PRO	N-CA	41.41	1.94	1.47
2	1R	3	PRO	N-CA	41.40	1.94	1.47
2	1V	3	PRO	N-CA	41.40	1.94	1.47
2	1Z	3	PRO	N-CA	41.40	1.94	1.47
2	2R	3	PRO	N-CA	41.40	1.94	1.47
2	2V	3	PRO	N-CA	41.40	1.94	1.47
2	2Z	3	PRO	N-CA	41.40	1.94	1.47
2	43	3	PRO	N-CA	41.40	1.94	1.47
2	47	3	PRO	N-CA	41.40	1.94	1.47
2	5B	3	PRO	N-CA	41.40	1.94	1.47
2	53	3	PRO	N-CA	41.40	1.94	1.47
2	57	3	PRO	N-CA	41.40	1.94	1.47
2	6B	3	PRO	N-CA	41.40	1.94	1.47
1	1E	82	ARG	CA-C	41.40	1.72	1.52
1	2M	82	ARG	CA-C	41.40	1.72	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	82	ARG	CA-C	41.40	1.72	1.52
1	3M	82	ARG	CA-C	41.40	1.72	1.52
1	36	82	ARG	CA-C	41.40	1.72	1.52
1	4I	82	ARG	CA-C	41.40	1.72	1.52
1	4Q	82	ARG	CA-C	41.40	1.72	1.52
1	5Y	82	ARG	CA-C	41.40	1.72	1.52
1	6E	82	ARG	CA-C	41.40	1.72	1.52
1	6Y	82	ARG	CA-C	41.40	1.72	1.52
1	7I	82	ARG	CA-C	41.40	1.72	1.52
1	7U	82	ARG	CA-C	41.40	1.72	1.52
2	1N	14	THR	CA-CB	41.04	2.22	1.53
2	2J	14	THR	CA-CB	41.04	2.22	1.53
2	3B	14	THR	CA-CB	41.04	2.22	1.53
2	3J	14	THR	CA-CB	41.04	2.22	1.53
2	33	14	THR	CA-CB	41.04	2.22	1.53
2	4F	14	THR	CA-CB	41.04	2.22	1.53
2	4Z	14	THR	CA-CB	41.04	2.22	1.53
2	5V	14	THR	CA-CB	41.04	2.22	1.53
2	6N	14	THR	CA-CB	41.04	2.22	1.53
2	6V	14	THR	CA-CB	41.04	2.22	1.53
2	7F	14	THR	CA-CB	41.04	2.22	1.53
2	7R	14	THR	CA-CB	41.04	2.22	1.53
2	1B	14	THR	CA-CB	41.03	2.22	1.53
2	1J	14	THR	CA-CB	41.03	2.22	1.53
2	1R	14	THR	CA-CB	41.03	2.22	1.53
2	1V	14	THR	CA-CB	41.03	2.22	1.53
2	1Z	14	THR	CA-CB	41.03	2.22	1.53
2	2F	14	THR	CA-CB	41.03	2.22	1.53
2	2R	14	THR	CA-CB	41.03	2.22	1.53
2	2V	14	THR	CA-CB	41.03	2.22	1.53
2	2Z	14	THR	CA-CB	41.03	2.22	1.53
2	27	14	THR	CA-CB	41.03	2.22	1.53
2	3F	14	THR	CA-CB	41.03	2.22	1.53
2	4B	14	THR	CA-CB	41.03	2.22	1.53
2	4N	14	THR	CA-CB	41.03	2.22	1.53
2	4V	14	THR	CA-CB	41.03	2.22	1.53
2	43	14	THR	CA-CB	41.03	2.22	1.53
2	47	14	THR	CA-CB	41.03	2.22	1.53
2	5B	14	THR	CA-CB	41.03	2.22	1.53
2	5R	14	THR	CA-CB	41.03	2.22	1.53
2	53	14	THR	CA-CB	41.03	2.22	1.53
2	57	14	THR	CA-CB	41.03	2.22	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	14	THR	CA-CB	41.03	2.22	1.53
2	6J	14	THR	CA-CB	41.03	2.22	1.53
2	6R	14	THR	CA-CB	41.03	2.22	1.53
2	7N	14	THR	CA-CB	41.03	2.22	1.53
2	13	14	THR	CA-CB	41.03	2.22	1.53
2	17	14	THR	CA-CB	41.03	2.22	1.53
2	2B	14	THR	CA-CB	41.03	2.22	1.53
2	3R	14	THR	CA-CB	41.03	2.22	1.53
2	3V	14	THR	CA-CB	41.03	2.22	1.53
2	3Z	14	THR	CA-CB	41.03	2.22	1.53
2	5F	14	THR	CA-CB	41.03	2.22	1.53
2	5J	14	THR	CA-CB	41.03	2.22	1.53
2	5N	14	THR	CA-CB	41.03	2.22	1.53
2	63	14	THR	CA-CB	41.03	2.22	1.53
2	67	14	THR	CA-CB	41.03	2.22	1.53
2	7B	14	THR	CA-CB	41.03	2.22	1.53
2	1F	14	THR	CA-CB	41.02	2.22	1.53
2	2N	14	THR	CA-CB	41.02	2.22	1.53
2	23	14	THR	CA-CB	41.02	2.22	1.53
2	3N	14	THR	CA-CB	41.02	2.22	1.53
2	37	14	THR	CA-CB	41.02	2.22	1.53
2	4J	14	THR	CA-CB	41.02	2.22	1.53
2	4R	14	THR	CA-CB	41.02	2.22	1.53
2	5Z	14	THR	CA-CB	41.02	2.22	1.53
2	6F	14	THR	CA-CB	41.02	2.22	1.53
2	6Z	14	THR	CA-CB	41.02	2.22	1.53
2	7J	14	THR	CA-CB	41.02	2.22	1.53
2	7V	14	THR	CA-CB	41.02	2.22	1.53
1	1M	30	PHE	CA-C	40.48	2.08	1.53
1	1Q	30	PHE	CA-C	40.48	2.08	1.53
1	1U	30	PHE	CA-C	40.48	2.08	1.53
1	1Y	30	PHE	CA-C	40.48	2.08	1.53
1	2I	30	PHE	CA-C	40.48	2.08	1.53
1	2Q	30	PHE	CA-C	40.48	2.08	1.53
1	2U	30	PHE	CA-C	40.48	2.08	1.53
1	2Y	30	PHE	CA-C	40.48	2.08	1.53
1	3A	30	PHE	CA-C	40.48	2.08	1.53
1	3I	30	PHE	CA-C	40.48	2.08	1.53
1	32	30	PHE	CA-C	40.48	2.08	1.53
1	4E	30	PHE	CA-C	40.48	2.08	1.53
1	4Y	30	PHE	CA-C	40.48	2.08	1.53
1	42	30	PHE	CA-C	40.48	2.08	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	46	30	PHE	CA-C	40.48	2.08	1.53
1	5A	30	PHE	CA-C	40.48	2.08	1.53
1	5U	30	PHE	CA-C	40.48	2.08	1.53
1	52	30	PHE	CA-C	40.48	2.08	1.53
1	56	30	PHE	CA-C	40.48	2.08	1.53
1	6A	30	PHE	CA-C	40.48	2.08	1.53
1	6M	30	PHE	CA-C	40.48	2.08	1.53
1	6U	30	PHE	CA-C	40.48	2.08	1.53
1	7E	30	PHE	CA-C	40.48	2.08	1.53
1	7Q	30	PHE	CA-C	40.48	2.08	1.53
1	1A	30	PHE	CA-C	40.48	2.08	1.53
1	1I	30	PHE	CA-C	40.48	2.08	1.53
1	2E	30	PHE	CA-C	40.48	2.08	1.53
1	26	30	PHE	CA-C	40.48	2.08	1.53
1	3E	30	PHE	CA-C	40.48	2.08	1.53
1	4A	30	PHE	CA-C	40.48	2.08	1.53
1	4M	30	PHE	CA-C	40.48	2.08	1.53
1	4U	30	PHE	CA-C	40.48	2.08	1.53
1	5Q	30	PHE	CA-C	40.48	2.08	1.53
1	6I	30	PHE	CA-C	40.48	2.08	1.53
1	6Q	30	PHE	CA-C	40.48	2.08	1.53
1	7M	30	PHE	CA-C	40.48	2.08	1.53
1	12	30	PHE	CA-C	40.47	2.08	1.53
1	16	30	PHE	CA-C	40.47	2.08	1.53
1	2A	30	PHE	CA-C	40.47	2.08	1.53
1	3Q	30	PHE	CA-C	40.47	2.08	1.53
1	3U	30	PHE	CA-C	40.47	2.08	1.53
1	3Y	30	PHE	CA-C	40.47	2.08	1.53
1	5E	30	PHE	CA-C	40.47	2.08	1.53
1	5I	30	PHE	CA-C	40.47	2.08	1.53
1	5M	30	PHE	CA-C	40.47	2.08	1.53
1	62	30	PHE	CA-C	40.47	2.08	1.53
1	66	30	PHE	CA-C	40.47	2.08	1.53
1	7A	30	PHE	CA-C	40.47	2.08	1.53
1	1E	30	PHE	CA-C	40.47	2.08	1.53
1	2M	30	PHE	CA-C	40.47	2.08	1.53
1	22	30	PHE	CA-C	40.47	2.08	1.53
1	3M	30	PHE	CA-C	40.47	2.08	1.53
1	36	30	PHE	CA-C	40.47	2.08	1.53
1	4I	30	PHE	CA-C	40.47	2.08	1.53
1	4Q	30	PHE	CA-C	40.47	2.08	1.53
1	5Y	30	PHE	CA-C	40.47	2.08	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	30	PHE	CA-C	40.47	2.08	1.53
1	6Y	30	PHE	CA-C	40.47	2.08	1.53
1	7I	30	PHE	CA-C	40.47	2.08	1.53
1	7U	30	PHE	CA-C	40.47	2.08	1.53
2	1B	3	PRO	CA-CB	40.47	1.99	1.54
2	1J	3	PRO	CA-CB	40.47	1.99	1.54
2	2F	3	PRO	CA-CB	40.47	1.99	1.54
2	27	3	PRO	CA-CB	40.47	1.99	1.54
2	3F	3	PRO	CA-CB	40.47	1.99	1.54
2	4B	3	PRO	CA-CB	40.47	1.99	1.54
2	4N	3	PRO	CA-CB	40.47	1.99	1.54
2	4V	3	PRO	CA-CB	40.47	1.99	1.54
2	5R	3	PRO	CA-CB	40.47	1.99	1.54
2	6J	3	PRO	CA-CB	40.47	1.99	1.54
2	6R	3	PRO	CA-CB	40.47	1.99	1.54
2	7N	3	PRO	CA-CB	40.47	1.99	1.54
2	1F	3	PRO	CA-CB	40.45	1.99	1.54
2	1R	3	PRO	CA-CB	40.45	1.99	1.54
2	1V	3	PRO	CA-CB	40.45	1.99	1.54
2	1Z	3	PRO	CA-CB	40.45	1.99	1.54
2	2N	3	PRO	CA-CB	40.45	1.99	1.54
2	2R	3	PRO	CA-CB	40.45	1.99	1.54
2	2V	3	PRO	CA-CB	40.45	1.99	1.54
2	2Z	3	PRO	CA-CB	40.45	1.99	1.54
2	23	3	PRO	CA-CB	40.45	1.99	1.54
2	3N	3	PRO	CA-CB	40.45	1.99	1.54
2	37	3	PRO	CA-CB	40.45	1.99	1.54
2	4J	3	PRO	CA-CB	40.45	1.99	1.54
2	4R	3	PRO	CA-CB	40.45	1.99	1.54
2	43	3	PRO	CA-CB	40.45	1.99	1.54
2	47	3	PRO	CA-CB	40.45	1.99	1.54
2	5B	3	PRO	CA-CB	40.45	1.99	1.54
2	5Z	3	PRO	CA-CB	40.45	1.99	1.54
2	53	3	PRO	CA-CB	40.45	1.99	1.54
2	57	3	PRO	CA-CB	40.45	1.99	1.54
2	6B	3	PRO	CA-CB	40.45	1.99	1.54
2	6F	3	PRO	CA-CB	40.45	1.99	1.54
2	6Z	3	PRO	CA-CB	40.45	1.99	1.54
2	7J	3	PRO	CA-CB	40.45	1.99	1.54
2	7V	3	PRO	CA-CB	40.45	1.99	1.54
2	1N	3	PRO	CA-CB	40.42	1.99	1.54
2	2J	3	PRO	CA-CB	40.42	1.99	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	3	PRO	CA-CB	40.42	1.99	1.54
2	3J	3	PRO	CA-CB	40.42	1.99	1.54
2	33	3	PRO	CA-CB	40.42	1.99	1.54
2	4F	3	PRO	CA-CB	40.42	1.99	1.54
2	4Z	3	PRO	CA-CB	40.42	1.99	1.54
2	5V	3	PRO	CA-CB	40.42	1.99	1.54
2	6N	3	PRO	CA-CB	40.42	1.99	1.54
2	6V	3	PRO	CA-CB	40.42	1.99	1.54
2	7F	3	PRO	CA-CB	40.42	1.99	1.54
2	7R	3	PRO	CA-CB	40.42	1.99	1.54
2	13	3	PRO	CA-CB	40.41	1.99	1.54
2	17	3	PRO	CA-CB	40.41	1.99	1.54
2	2B	3	PRO	CA-CB	40.41	1.99	1.54
2	3R	3	PRO	CA-CB	40.41	1.99	1.54
2	3V	3	PRO	CA-CB	40.41	1.99	1.54
2	3Z	3	PRO	CA-CB	40.41	1.99	1.54
2	5F	3	PRO	CA-CB	40.41	1.99	1.54
2	5J	3	PRO	CA-CB	40.41	1.99	1.54
2	5N	3	PRO	CA-CB	40.41	1.99	1.54
2	63	3	PRO	CA-CB	40.41	1.99	1.54
2	67	3	PRO	CA-CB	40.41	1.99	1.54
2	7B	3	PRO	CA-CB	40.41	1.99	1.54
1	12	43	HIS	CG-CD2	40.01	1.79	1.35
1	16	43	HIS	CG-CD2	40.01	1.79	1.35
1	2A	43	HIS	CG-CD2	40.01	1.79	1.35
1	3Q	43	HIS	CG-CD2	40.01	1.79	1.35
1	3U	43	HIS	CG-CD2	40.01	1.79	1.35
1	3Y	43	HIS	CG-CD2	40.01	1.79	1.35
1	5E	43	HIS	CG-CD2	40.01	1.79	1.35
1	5I	43	HIS	CG-CD2	40.01	1.79	1.35
1	5M	43	HIS	CG-CD2	40.01	1.79	1.35
1	62	43	HIS	CG-CD2	40.01	1.79	1.35
1	66	43	HIS	CG-CD2	40.01	1.79	1.35
1	7A	43	HIS	CG-CD2	40.01	1.79	1.35
1	1A	43	HIS	CG-CD2	39.99	1.79	1.35
1	1I	43	HIS	CG-CD2	39.99	1.79	1.35
1	2E	43	HIS	CG-CD2	39.99	1.79	1.35
1	26	43	HIS	CG-CD2	39.99	1.79	1.35
1	3E	43	HIS	CG-CD2	39.99	1.79	1.35
1	4A	43	HIS	CG-CD2	39.99	1.79	1.35
1	4M	43	HIS	CG-CD2	39.99	1.79	1.35
1	4U	43	HIS	CG-CD2	39.99	1.79	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	43	HIS	CG-CD2	39.99	1.79	1.35
1	6I	43	HIS	CG-CD2	39.99	1.79	1.35
1	6Q	43	HIS	CG-CD2	39.99	1.79	1.35
1	7M	43	HIS	CG-CD2	39.99	1.79	1.35
1	1Q	43	HIS	CG-CD2	39.93	1.79	1.35
1	1U	43	HIS	CG-CD2	39.93	1.79	1.35
1	1Y	43	HIS	CG-CD2	39.93	1.79	1.35
1	2Q	43	HIS	CG-CD2	39.93	1.79	1.35
1	2U	43	HIS	CG-CD2	39.93	1.79	1.35
1	2Y	43	HIS	CG-CD2	39.93	1.79	1.35
1	42	43	HIS	CG-CD2	39.93	1.79	1.35
1	46	43	HIS	CG-CD2	39.93	1.79	1.35
1	5A	43	HIS	CG-CD2	39.93	1.79	1.35
1	52	43	HIS	CG-CD2	39.93	1.79	1.35
1	56	43	HIS	CG-CD2	39.93	1.79	1.35
1	6A	43	HIS	CG-CD2	39.93	1.79	1.35
1	1M	43	HIS	CG-CD2	39.93	1.79	1.35
1	2I	43	HIS	CG-CD2	39.93	1.79	1.35
1	3A	43	HIS	CG-CD2	39.93	1.79	1.35
1	3I	43	HIS	CG-CD2	39.93	1.79	1.35
1	32	43	HIS	CG-CD2	39.93	1.79	1.35
1	4E	43	HIS	CG-CD2	39.93	1.79	1.35
1	4Y	43	HIS	CG-CD2	39.93	1.79	1.35
1	5U	43	HIS	CG-CD2	39.93	1.79	1.35
1	6M	43	HIS	CG-CD2	39.93	1.79	1.35
1	6U	43	HIS	CG-CD2	39.93	1.79	1.35
1	7E	43	HIS	CG-CD2	39.93	1.79	1.35
1	7Q	43	HIS	CG-CD2	39.93	1.79	1.35
1	1E	43	HIS	CG-CD2	39.93	1.79	1.35
1	2M	43	HIS	CG-CD2	39.93	1.79	1.35
1	22	43	HIS	CG-CD2	39.93	1.79	1.35
1	3M	43	HIS	CG-CD2	39.93	1.79	1.35
1	36	43	HIS	CG-CD2	39.93	1.79	1.35
1	4I	43	HIS	CG-CD2	39.93	1.79	1.35
1	4Q	43	HIS	CG-CD2	39.93	1.79	1.35
1	5Y	43	HIS	CG-CD2	39.93	1.79	1.35
1	6E	43	HIS	CG-CD2	39.93	1.79	1.35
1	6Y	43	HIS	CG-CD2	39.93	1.79	1.35
1	7I	43	HIS	CG-CD2	39.93	1.79	1.35
1	7U	43	HIS	CG-CD2	39.93	1.79	1.35
2	13	75	GLN	C-O	-39.78	0.72	1.23
2	17	75	GLN	C-O	-39.78	0.72	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	75	GLN	C-O	-39.78	0.72	1.23
2	3R	75	GLN	C-O	-39.78	0.72	1.23
2	3V	75	GLN	C-O	-39.78	0.72	1.23
2	3Z	75	GLN	C-O	-39.78	0.72	1.23
2	5F	75	GLN	C-O	-39.78	0.72	1.23
2	5J	75	GLN	C-O	-39.78	0.72	1.23
2	5N	75	GLN	C-O	-39.78	0.72	1.23
2	63	75	GLN	C-O	-39.78	0.72	1.23
2	67	75	GLN	C-O	-39.78	0.72	1.23
2	7B	75	GLN	C-O	-39.78	0.72	1.23
2	1N	75	GLN	C-O	-39.77	0.72	1.23
2	2J	75	GLN	C-O	-39.77	0.72	1.23
2	3B	75	GLN	C-O	-39.77	0.72	1.23
2	3J	75	GLN	C-O	-39.77	0.72	1.23
2	33	75	GLN	C-O	-39.77	0.72	1.23
2	4F	75	GLN	C-O	-39.77	0.72	1.23
2	4Z	75	GLN	C-O	-39.77	0.72	1.23
2	5V	75	GLN	C-O	-39.77	0.72	1.23
2	6N	75	GLN	C-O	-39.77	0.72	1.23
2	6V	75	GLN	C-O	-39.77	0.72	1.23
2	7F	75	GLN	C-O	-39.77	0.72	1.23
2	7R	75	GLN	C-O	-39.77	0.72	1.23
2	1B	75	GLN	C-O	-39.74	0.72	1.23
2	1J	75	GLN	C-O	-39.74	0.72	1.23
2	2F	75	GLN	C-O	-39.74	0.72	1.23
2	27	75	GLN	C-O	-39.74	0.72	1.23
2	3F	75	GLN	C-O	-39.74	0.72	1.23
2	4B	75	GLN	C-O	-39.74	0.72	1.23
2	4N	75	GLN	C-O	-39.74	0.72	1.23
2	4V	75	GLN	C-O	-39.74	0.72	1.23
2	5R	75	GLN	C-O	-39.74	0.72	1.23
2	6J	75	GLN	C-O	-39.74	0.72	1.23
2	6R	75	GLN	C-O	-39.74	0.72	1.23
2	7N	75	GLN	C-O	-39.74	0.72	1.23
2	1R	75	GLN	C-O	-39.72	0.73	1.23
2	1V	75	GLN	C-O	-39.72	0.73	1.23
2	1Z	75	GLN	C-O	-39.72	0.73	1.23
2	2R	75	GLN	C-O	-39.72	0.73	1.23
2	2V	75	GLN	C-O	-39.72	0.73	1.23
2	2Z	75	GLN	C-O	-39.72	0.73	1.23
2	43	75	GLN	C-O	-39.72	0.73	1.23
2	47	75	GLN	C-O	-39.72	0.73	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	75	GLN	C-O	-39.72	0.73	1.23
2	53	75	GLN	C-O	-39.72	0.73	1.23
2	57	75	GLN	C-O	-39.72	0.73	1.23
2	6B	75	GLN	C-O	-39.72	0.73	1.23
2	1F	75	GLN	C-O	-39.71	0.73	1.23
2	2N	75	GLN	C-O	-39.71	0.73	1.23
2	23	75	GLN	C-O	-39.71	0.73	1.23
2	3N	75	GLN	C-O	-39.71	0.73	1.23
2	37	75	GLN	C-O	-39.71	0.73	1.23
2	4J	75	GLN	C-O	-39.71	0.73	1.23
2	4R	75	GLN	C-O	-39.71	0.73	1.23
2	5Z	75	GLN	C-O	-39.71	0.73	1.23
2	6F	75	GLN	C-O	-39.71	0.73	1.23
2	6Z	75	GLN	C-O	-39.71	0.73	1.23
2	7J	75	GLN	C-O	-39.71	0.73	1.23
2	7V	75	GLN	C-O	-39.71	0.73	1.23
1	1M	17	THR	N-CA	39.51	2.01	1.46
1	2I	17	THR	N-CA	39.51	2.01	1.46
1	3A	17	THR	N-CA	39.51	2.01	1.46
1	3I	17	THR	N-CA	39.51	2.01	1.46
1	32	17	THR	N-CA	39.51	2.01	1.46
1	4E	17	THR	N-CA	39.51	2.01	1.46
1	4Y	17	THR	N-CA	39.51	2.01	1.46
1	5U	17	THR	N-CA	39.51	2.01	1.46
1	6M	17	THR	N-CA	39.51	2.01	1.46
1	6U	17	THR	N-CA	39.51	2.01	1.46
1	7E	17	THR	N-CA	39.51	2.01	1.46
1	7Q	17	THR	N-CA	39.51	2.01	1.46
1	1E	17	THR	N-CA	39.50	2.01	1.46
1	2M	17	THR	N-CA	39.50	2.01	1.46
1	22	17	THR	N-CA	39.50	2.01	1.46
1	3M	17	THR	N-CA	39.50	2.01	1.46
1	36	17	THR	N-CA	39.50	2.01	1.46
1	4I	17	THR	N-CA	39.50	2.01	1.46
1	4Q	17	THR	N-CA	39.50	2.01	1.46
1	5Y	17	THR	N-CA	39.50	2.01	1.46
1	6E	17	THR	N-CA	39.50	2.01	1.46
1	6Y	17	THR	N-CA	39.50	2.01	1.46
1	7I	17	THR	N-CA	39.50	2.01	1.46
1	7U	17	THR	N-CA	39.50	2.01	1.46
1	1A	17	THR	N-CA	39.48	2.01	1.46
1	1I	17	THR	N-CA	39.48	2.01	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	17	THR	N-CA	39.48	2.01	1.46
1	26	17	THR	N-CA	39.48	2.01	1.46
1	3E	17	THR	N-CA	39.48	2.01	1.46
1	4A	17	THR	N-CA	39.48	2.01	1.46
1	4M	17	THR	N-CA	39.48	2.01	1.46
1	4U	17	THR	N-CA	39.48	2.01	1.46
1	5Q	17	THR	N-CA	39.48	2.01	1.46
1	6I	17	THR	N-CA	39.48	2.01	1.46
1	6Q	17	THR	N-CA	39.48	2.01	1.46
1	7M	17	THR	N-CA	39.48	2.01	1.46
1	1Q	17	THR	N-CA	39.48	2.01	1.46
1	1U	17	THR	N-CA	39.48	2.01	1.46
1	1Y	17	THR	N-CA	39.48	2.01	1.46
1	2Q	17	THR	N-CA	39.48	2.01	1.46
1	2U	17	THR	N-CA	39.48	2.01	1.46
1	2Y	17	THR	N-CA	39.48	2.01	1.46
1	42	17	THR	N-CA	39.48	2.01	1.46
1	46	17	THR	N-CA	39.48	2.01	1.46
1	5A	17	THR	N-CA	39.48	2.01	1.46
1	52	17	THR	N-CA	39.48	2.01	1.46
1	56	17	THR	N-CA	39.48	2.01	1.46
1	6A	17	THR	N-CA	39.48	2.01	1.46
1	12	17	THR	N-CA	39.45	2.01	1.46
1	16	17	THR	N-CA	39.45	2.01	1.46
1	2A	17	THR	N-CA	39.45	2.01	1.46
1	3Q	17	THR	N-CA	39.45	2.01	1.46
1	3U	17	THR	N-CA	39.45	2.01	1.46
1	3Y	17	THR	N-CA	39.45	2.01	1.46
1	5E	17	THR	N-CA	39.45	2.01	1.46
1	5I	17	THR	N-CA	39.45	2.01	1.46
1	5M	17	THR	N-CA	39.45	2.01	1.46
1	62	17	THR	N-CA	39.45	2.01	1.46
1	66	17	THR	N-CA	39.45	2.01	1.46
1	7A	17	THR	N-CA	39.45	2.01	1.46
2	1F	21	THR	C-N	38.66	1.89	1.33
2	2N	21	THR	C-N	38.66	1.89	1.33
2	23	21	THR	C-N	38.66	1.89	1.33
2	3N	21	THR	C-N	38.66	1.89	1.33
2	37	21	THR	C-N	38.66	1.89	1.33
2	4J	21	THR	C-N	38.66	1.89	1.33
2	4R	21	THR	C-N	38.66	1.89	1.33
2	5Z	21	THR	C-N	38.66	1.89	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	21	THR	C-N	38.66	1.89	1.33
2	6Z	21	THR	C-N	38.66	1.89	1.33
2	7J	21	THR	C-N	38.66	1.89	1.33
2	7V	21	THR	C-N	38.66	1.89	1.33
2	1N	21	THR	C-N	38.65	1.89	1.33
2	2J	21	THR	C-N	38.65	1.89	1.33
2	3B	21	THR	C-N	38.65	1.89	1.33
2	3J	21	THR	C-N	38.65	1.89	1.33
2	33	21	THR	C-N	38.65	1.89	1.33
2	4F	21	THR	C-N	38.65	1.89	1.33
2	4Z	21	THR	C-N	38.65	1.89	1.33
2	5V	21	THR	C-N	38.65	1.89	1.33
2	6N	21	THR	C-N	38.65	1.89	1.33
2	6V	21	THR	C-N	38.65	1.89	1.33
2	7F	21	THR	C-N	38.65	1.89	1.33
2	7R	21	THR	C-N	38.65	1.89	1.33
2	1B	21	THR	C-N	38.61	1.89	1.33
2	1J	21	THR	C-N	38.61	1.89	1.33
2	1R	21	THR	C-N	38.61	1.89	1.33
2	1V	21	THR	C-N	38.61	1.89	1.33
2	1Z	21	THR	C-N	38.61	1.89	1.33
2	2F	21	THR	C-N	38.61	1.89	1.33
2	2R	21	THR	C-N	38.61	1.89	1.33
2	2V	21	THR	C-N	38.61	1.89	1.33
2	2Z	21	THR	C-N	38.61	1.89	1.33
2	27	21	THR	C-N	38.61	1.89	1.33
2	3F	21	THR	C-N	38.61	1.89	1.33
2	4B	21	THR	C-N	38.61	1.89	1.33
2	4N	21	THR	C-N	38.61	1.89	1.33
2	4V	21	THR	C-N	38.61	1.89	1.33
2	43	21	THR	C-N	38.61	1.89	1.33
2	47	21	THR	C-N	38.61	1.89	1.33
2	5B	21	THR	C-N	38.61	1.89	1.33
2	5R	21	THR	C-N	38.61	1.89	1.33
2	53	21	THR	C-N	38.61	1.89	1.33
2	57	21	THR	C-N	38.61	1.89	1.33
2	6B	21	THR	C-N	38.61	1.89	1.33
2	6J	21	THR	C-N	38.61	1.89	1.33
2	6R	21	THR	C-N	38.61	1.89	1.33
2	7N	21	THR	C-N	38.61	1.89	1.33
2	13	21	THR	C-N	38.59	1.89	1.33
2	17	21	THR	C-N	38.59	1.89	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	21	THR	C-N	38.59	1.89	1.33
2	3R	21	THR	C-N	38.59	1.89	1.33
2	3V	21	THR	C-N	38.59	1.89	1.33
2	3Z	21	THR	C-N	38.59	1.89	1.33
2	5F	21	THR	C-N	38.59	1.89	1.33
2	5J	21	THR	C-N	38.59	1.89	1.33
2	5N	21	THR	C-N	38.59	1.89	1.33
2	63	21	THR	C-N	38.59	1.89	1.33
2	67	21	THR	C-N	38.59	1.89	1.33
2	7B	21	THR	C-N	38.59	1.89	1.33
2	1B	226	ILE	C-O	-38.52	0.78	1.24
2	1J	226	ILE	C-O	-38.52	0.78	1.24
2	1N	57	LYS	N-CA	38.52	1.94	1.46
2	2F	226	ILE	C-O	-38.52	0.78	1.24
2	2J	57	LYS	N-CA	38.52	1.94	1.46
2	27	226	ILE	C-O	-38.52	0.78	1.24
2	3B	57	LYS	N-CA	38.52	1.94	1.46
2	3F	226	ILE	C-O	-38.52	0.78	1.24
2	3J	57	LYS	N-CA	38.52	1.94	1.46
2	33	57	LYS	N-CA	38.52	1.94	1.46
2	4B	226	ILE	C-O	-38.52	0.78	1.24
2	4F	57	LYS	N-CA	38.52	1.94	1.46
2	4N	226	ILE	C-O	-38.52	0.78	1.24
2	4V	226	ILE	C-O	-38.52	0.78	1.24
2	4Z	57	LYS	N-CA	38.52	1.94	1.46
2	5R	226	ILE	C-O	-38.52	0.78	1.24
2	5V	57	LYS	N-CA	38.52	1.94	1.46
2	6J	226	ILE	C-O	-38.52	0.78	1.24
2	6N	57	LYS	N-CA	38.52	1.94	1.46
2	6R	226	ILE	C-O	-38.52	0.78	1.24
2	6V	57	LYS	N-CA	38.52	1.94	1.46
2	7F	57	LYS	N-CA	38.52	1.94	1.46
2	7N	226	ILE	C-O	-38.52	0.78	1.24
2	7R	57	LYS	N-CA	38.52	1.94	1.46
2	13	57	LYS	N-CA	38.51	1.94	1.46
2	17	57	LYS	N-CA	38.51	1.94	1.46
2	2B	57	LYS	N-CA	38.51	1.94	1.46
2	3R	57	LYS	N-CA	38.51	1.94	1.46
2	3V	57	LYS	N-CA	38.51	1.94	1.46
2	3Z	57	LYS	N-CA	38.51	1.94	1.46
2	5F	57	LYS	N-CA	38.51	1.94	1.46
2	5J	57	LYS	N-CA	38.51	1.94	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	57	LYS	N-CA	38.51	1.94	1.46
2	63	57	LYS	N-CA	38.51	1.94	1.46
2	67	57	LYS	N-CA	38.51	1.94	1.46
2	7B	57	LYS	N-CA	38.51	1.94	1.46
2	13	226	ILE	C-O	-38.50	0.78	1.24
2	17	226	ILE	C-O	-38.50	0.78	1.24
2	2B	226	ILE	C-O	-38.50	0.78	1.24
2	3R	226	ILE	C-O	-38.50	0.78	1.24
2	3V	226	ILE	C-O	-38.50	0.78	1.24
2	3Z	226	ILE	C-O	-38.50	0.78	1.24
2	5F	226	ILE	C-O	-38.50	0.78	1.24
2	5J	226	ILE	C-O	-38.50	0.78	1.24
2	5N	226	ILE	C-O	-38.50	0.78	1.24
2	63	226	ILE	C-O	-38.50	0.78	1.24
2	67	226	ILE	C-O	-38.50	0.78	1.24
2	7B	226	ILE	C-O	-38.50	0.78	1.24
2	1F	226	ILE	C-O	-38.50	0.78	1.24
2	2N	226	ILE	C-O	-38.50	0.78	1.24
2	23	226	ILE	C-O	-38.50	0.78	1.24
2	3N	226	ILE	C-O	-38.50	0.78	1.24
2	37	226	ILE	C-O	-38.50	0.78	1.24
2	4J	226	ILE	C-O	-38.50	0.78	1.24
2	4R	226	ILE	C-O	-38.50	0.78	1.24
2	5Z	226	ILE	C-O	-38.50	0.78	1.24
2	6F	226	ILE	C-O	-38.50	0.78	1.24
2	6Z	226	ILE	C-O	-38.50	0.78	1.24
2	7J	226	ILE	C-O	-38.50	0.78	1.24
2	7V	226	ILE	C-O	-38.50	0.78	1.24
2	1R	226	ILE	C-O	-38.49	0.78	1.24
2	1V	226	ILE	C-O	-38.49	0.78	1.24
2	1Z	226	ILE	C-O	-38.49	0.78	1.24
2	2R	226	ILE	C-O	-38.49	0.78	1.24
2	2V	226	ILE	C-O	-38.49	0.78	1.24
2	2Z	226	ILE	C-O	-38.49	0.78	1.24
2	43	226	ILE	C-O	-38.49	0.78	1.24
2	47	226	ILE	C-O	-38.49	0.78	1.24
2	5B	226	ILE	C-O	-38.49	0.78	1.24
2	53	226	ILE	C-O	-38.49	0.78	1.24
2	57	226	ILE	C-O	-38.49	0.78	1.24
2	6B	226	ILE	C-O	-38.49	0.78	1.24
2	1B	57	LYS	N-CA	38.49	1.94	1.46
2	1J	57	LYS	N-CA	38.49	1.94	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1R	57	LYS	N-CA	38.49	1.94	1.46
2	1V	57	LYS	N-CA	38.49	1.94	1.46
2	1Z	57	LYS	N-CA	38.49	1.94	1.46
2	2F	57	LYS	N-CA	38.49	1.94	1.46
2	2R	57	LYS	N-CA	38.49	1.94	1.46
2	2V	57	LYS	N-CA	38.49	1.94	1.46
2	2Z	57	LYS	N-CA	38.49	1.94	1.46
2	27	57	LYS	N-CA	38.49	1.94	1.46
2	3F	57	LYS	N-CA	38.49	1.94	1.46
2	4B	57	LYS	N-CA	38.49	1.94	1.46
2	4N	57	LYS	N-CA	38.49	1.94	1.46
2	4V	57	LYS	N-CA	38.49	1.94	1.46
2	43	57	LYS	N-CA	38.49	1.94	1.46
2	47	57	LYS	N-CA	38.49	1.94	1.46
2	5B	57	LYS	N-CA	38.49	1.94	1.46
2	5R	57	LYS	N-CA	38.49	1.94	1.46
2	53	57	LYS	N-CA	38.49	1.94	1.46
2	57	57	LYS	N-CA	38.49	1.94	1.46
2	6B	57	LYS	N-CA	38.49	1.94	1.46
2	6J	57	LYS	N-CA	38.49	1.94	1.46
2	6R	57	LYS	N-CA	38.49	1.94	1.46
2	7N	57	LYS	N-CA	38.49	1.94	1.46
2	1F	57	LYS	N-CA	38.48	1.94	1.46
2	2N	57	LYS	N-CA	38.48	1.94	1.46
2	23	57	LYS	N-CA	38.48	1.94	1.46
2	3N	57	LYS	N-CA	38.48	1.94	1.46
2	37	57	LYS	N-CA	38.48	1.94	1.46
2	4J	57	LYS	N-CA	38.48	1.94	1.46
2	4R	57	LYS	N-CA	38.48	1.94	1.46
2	5Z	57	LYS	N-CA	38.48	1.94	1.46
2	6F	57	LYS	N-CA	38.48	1.94	1.46
2	6Z	57	LYS	N-CA	38.48	1.94	1.46
2	7J	57	LYS	N-CA	38.48	1.94	1.46
2	7V	57	LYS	N-CA	38.48	1.94	1.46
2	1N	226	ILE	C-O	-38.45	0.78	1.24
2	2J	226	ILE	C-O	-38.45	0.78	1.24
2	3B	226	ILE	C-O	-38.45	0.78	1.24
2	3J	226	ILE	C-O	-38.45	0.78	1.24
2	33	226	ILE	C-O	-38.45	0.78	1.24
2	4F	226	ILE	C-O	-38.45	0.78	1.24
2	4Z	226	ILE	C-O	-38.45	0.78	1.24
2	5V	226	ILE	C-O	-38.45	0.78	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	226	ILE	C-O	-38.45	0.78	1.24
2	6V	226	ILE	C-O	-38.45	0.78	1.24
2	7F	226	ILE	C-O	-38.45	0.78	1.24
2	7R	226	ILE	C-O	-38.45	0.78	1.24
2	1F	15	VAL	N-CA	38.33	1.92	1.46
2	2N	15	VAL	N-CA	38.33	1.92	1.46
2	23	15	VAL	N-CA	38.33	1.92	1.46
2	3N	15	VAL	N-CA	38.33	1.92	1.46
2	37	15	VAL	N-CA	38.33	1.92	1.46
2	4J	15	VAL	N-CA	38.33	1.92	1.46
2	4R	15	VAL	N-CA	38.33	1.92	1.46
2	5Z	15	VAL	N-CA	38.33	1.92	1.46
2	6F	15	VAL	N-CA	38.33	1.92	1.46
2	6Z	15	VAL	N-CA	38.33	1.92	1.46
2	7J	15	VAL	N-CA	38.33	1.92	1.46
2	7V	15	VAL	N-CA	38.33	1.92	1.46
2	13	15	VAL	N-CA	38.32	1.92	1.46
2	17	15	VAL	N-CA	38.32	1.92	1.46
2	2B	15	VAL	N-CA	38.32	1.92	1.46
2	3R	15	VAL	N-CA	38.32	1.92	1.46
2	3V	15	VAL	N-CA	38.32	1.92	1.46
2	3Z	15	VAL	N-CA	38.32	1.92	1.46
2	5F	15	VAL	N-CA	38.32	1.92	1.46
2	5J	15	VAL	N-CA	38.32	1.92	1.46
2	5N	15	VAL	N-CA	38.32	1.92	1.46
2	63	15	VAL	N-CA	38.32	1.92	1.46
2	67	15	VAL	N-CA	38.32	1.92	1.46
2	7B	15	VAL	N-CA	38.32	1.92	1.46
2	1B	15	VAL	N-CA	38.31	1.92	1.46
2	1J	15	VAL	N-CA	38.31	1.92	1.46
2	2F	15	VAL	N-CA	38.31	1.92	1.46
2	27	15	VAL	N-CA	38.31	1.92	1.46
2	3F	15	VAL	N-CA	38.31	1.92	1.46
2	4B	15	VAL	N-CA	38.31	1.92	1.46
2	4N	15	VAL	N-CA	38.31	1.92	1.46
2	4V	15	VAL	N-CA	38.31	1.92	1.46
2	5R	15	VAL	N-CA	38.31	1.92	1.46
2	6J	15	VAL	N-CA	38.31	1.92	1.46
2	6R	15	VAL	N-CA	38.31	1.92	1.46
2	7N	15	VAL	N-CA	38.31	1.92	1.46
2	1N	15	VAL	N-CA	38.28	1.92	1.46
2	2J	15	VAL	N-CA	38.28	1.92	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	15	VAL	N-CA	38.28	1.92	1.46
2	3J	15	VAL	N-CA	38.28	1.92	1.46
2	33	15	VAL	N-CA	38.28	1.92	1.46
2	4F	15	VAL	N-CA	38.28	1.92	1.46
2	4Z	15	VAL	N-CA	38.28	1.92	1.46
2	5V	15	VAL	N-CA	38.28	1.92	1.46
2	6N	15	VAL	N-CA	38.28	1.92	1.46
2	6V	15	VAL	N-CA	38.28	1.92	1.46
2	7F	15	VAL	N-CA	38.28	1.92	1.46
2	7R	15	VAL	N-CA	38.28	1.92	1.46
2	1R	15	VAL	N-CA	38.28	1.92	1.46
2	1V	15	VAL	N-CA	38.28	1.92	1.46
2	1Z	15	VAL	N-CA	38.28	1.92	1.46
2	2R	15	VAL	N-CA	38.28	1.92	1.46
2	2V	15	VAL	N-CA	38.28	1.92	1.46
2	2Z	15	VAL	N-CA	38.28	1.92	1.46
2	43	15	VAL	N-CA	38.28	1.92	1.46
2	47	15	VAL	N-CA	38.28	1.92	1.46
2	5B	15	VAL	N-CA	38.28	1.92	1.46
2	53	15	VAL	N-CA	38.28	1.92	1.46
2	57	15	VAL	N-CA	38.28	1.92	1.46
2	6B	15	VAL	N-CA	38.28	1.92	1.46
2	1F	107	PHE	CG-CD1	37.95	2.18	1.38
2	2N	107	PHE	CG-CD1	37.95	2.18	1.38
2	23	107	PHE	CG-CD1	37.95	2.18	1.38
2	3N	107	PHE	CG-CD1	37.95	2.18	1.38
2	37	107	PHE	CG-CD1	37.95	2.18	1.38
2	4J	107	PHE	CG-CD1	37.95	2.18	1.38
2	4R	107	PHE	CG-CD1	37.95	2.18	1.38
2	5Z	107	PHE	CG-CD1	37.95	2.18	1.38
2	6F	107	PHE	CG-CD1	37.95	2.18	1.38
2	6Z	107	PHE	CG-CD1	37.95	2.18	1.38
2	7J	107	PHE	CG-CD1	37.95	2.18	1.38
2	7V	107	PHE	CG-CD1	37.95	2.18	1.38
2	13	107	PHE	CG-CD1	37.93	2.18	1.38
2	17	107	PHE	CG-CD1	37.93	2.18	1.38
2	2B	107	PHE	CG-CD1	37.93	2.18	1.38
2	3R	107	PHE	CG-CD1	37.93	2.18	1.38
2	3V	107	PHE	CG-CD1	37.93	2.18	1.38
2	3Z	107	PHE	CG-CD1	37.93	2.18	1.38
2	5F	107	PHE	CG-CD1	37.93	2.18	1.38
2	5J	107	PHE	CG-CD1	37.93	2.18	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	107	PHE	CG-CD1	37.93	2.18	1.38
2	63	107	PHE	CG-CD1	37.93	2.18	1.38
2	67	107	PHE	CG-CD1	37.93	2.18	1.38
2	7B	107	PHE	CG-CD1	37.93	2.18	1.38
2	1B	107	PHE	CG-CD1	37.92	2.18	1.38
2	1J	107	PHE	CG-CD1	37.92	2.18	1.38
2	2F	107	PHE	CG-CD1	37.92	2.18	1.38
2	27	107	PHE	CG-CD1	37.92	2.18	1.38
2	3F	107	PHE	CG-CD1	37.92	2.18	1.38
2	4B	107	PHE	CG-CD1	37.92	2.18	1.38
2	4N	107	PHE	CG-CD1	37.92	2.18	1.38
2	4V	107	PHE	CG-CD1	37.92	2.18	1.38
2	5R	107	PHE	CG-CD1	37.92	2.18	1.38
2	6J	107	PHE	CG-CD1	37.92	2.18	1.38
2	6R	107	PHE	CG-CD1	37.92	2.18	1.38
2	7N	107	PHE	CG-CD1	37.92	2.18	1.38
2	1N	107	PHE	CG-CD1	37.91	2.18	1.38
2	2J	107	PHE	CG-CD1	37.91	2.18	1.38
2	3B	107	PHE	CG-CD1	37.91	2.18	1.38
2	3J	107	PHE	CG-CD1	37.91	2.18	1.38
2	33	107	PHE	CG-CD1	37.91	2.18	1.38
2	4F	107	PHE	CG-CD1	37.91	2.18	1.38
2	4Z	107	PHE	CG-CD1	37.91	2.18	1.38
2	5V	107	PHE	CG-CD1	37.91	2.18	1.38
2	6N	107	PHE	CG-CD1	37.91	2.18	1.38
2	6V	107	PHE	CG-CD1	37.91	2.18	1.38
2	7F	107	PHE	CG-CD1	37.91	2.18	1.38
2	7R	107	PHE	CG-CD1	37.91	2.18	1.38
2	1R	107	PHE	CG-CD1	37.90	2.18	1.38
2	1V	107	PHE	CG-CD1	37.90	2.18	1.38
2	1Z	107	PHE	CG-CD1	37.90	2.18	1.38
2	2R	107	PHE	CG-CD1	37.90	2.18	1.38
2	2V	107	PHE	CG-CD1	37.90	2.18	1.38
2	2Z	107	PHE	CG-CD1	37.90	2.18	1.38
2	43	107	PHE	CG-CD1	37.90	2.18	1.38
2	47	107	PHE	CG-CD1	37.90	2.18	1.38
2	5B	107	PHE	CG-CD1	37.90	2.18	1.38
2	53	107	PHE	CG-CD1	37.90	2.18	1.38
2	57	107	PHE	CG-CD1	37.90	2.18	1.38
2	6B	107	PHE	CG-CD1	37.90	2.18	1.38
2	1F	43	SER	C-N	37.89	1.83	1.34
2	2N	43	SER	C-N	37.89	1.83	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	43	SER	C-N	37.89	1.83	1.34
2	3N	43	SER	C-N	37.89	1.83	1.34
2	37	43	SER	C-N	37.89	1.83	1.34
2	4J	43	SER	C-N	37.89	1.83	1.34
2	4R	43	SER	C-N	37.89	1.83	1.34
2	5Z	43	SER	C-N	37.89	1.83	1.34
2	6F	43	SER	C-N	37.89	1.83	1.34
2	6Z	43	SER	C-N	37.89	1.83	1.34
2	7J	43	SER	C-N	37.89	1.83	1.34
2	7V	43	SER	C-N	37.89	1.83	1.34
2	1B	43	SER	C-N	37.87	1.83	1.34
2	1J	43	SER	C-N	37.87	1.83	1.34
2	2F	43	SER	C-N	37.87	1.83	1.34
2	27	43	SER	C-N	37.87	1.83	1.34
2	3F	43	SER	C-N	37.87	1.83	1.34
2	4B	43	SER	C-N	37.87	1.83	1.34
2	4N	43	SER	C-N	37.87	1.83	1.34
2	4V	43	SER	C-N	37.87	1.83	1.34
2	5R	43	SER	C-N	37.87	1.83	1.34
2	6J	43	SER	C-N	37.87	1.83	1.34
2	6R	43	SER	C-N	37.87	1.83	1.34
2	7N	43	SER	C-N	37.87	1.83	1.34
2	1R	43	SER	C-N	37.86	1.83	1.34
2	1V	43	SER	C-N	37.86	1.83	1.34
2	1Z	43	SER	C-N	37.86	1.83	1.34
2	2R	43	SER	C-N	37.86	1.83	1.34
2	2V	43	SER	C-N	37.86	1.83	1.34
2	2Z	43	SER	C-N	37.86	1.83	1.34
2	43	43	SER	C-N	37.86	1.83	1.34
2	47	43	SER	C-N	37.86	1.83	1.34
2	5B	43	SER	C-N	37.86	1.83	1.34
2	53	43	SER	C-N	37.86	1.83	1.34
2	57	43	SER	C-N	37.86	1.83	1.34
2	6B	43	SER	C-N	37.86	1.83	1.34
2	1N	43	SER	C-N	37.83	1.83	1.34
2	2J	43	SER	C-N	37.83	1.83	1.34
2	3B	43	SER	C-N	37.83	1.83	1.34
2	3J	43	SER	C-N	37.83	1.83	1.34
2	33	43	SER	C-N	37.83	1.83	1.34
2	4F	43	SER	C-N	37.83	1.83	1.34
2	4Z	43	SER	C-N	37.83	1.83	1.34
2	5V	43	SER	C-N	37.83	1.83	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	43	SER	C-N	37.83	1.83	1.34
2	6V	43	SER	C-N	37.83	1.83	1.34
2	7F	43	SER	C-N	37.83	1.83	1.34
2	7R	43	SER	C-N	37.83	1.83	1.34
2	13	43	SER	C-N	37.80	1.83	1.34
2	17	43	SER	C-N	37.80	1.83	1.34
2	2B	43	SER	C-N	37.80	1.83	1.34
2	3R	43	SER	C-N	37.80	1.83	1.34
2	3V	43	SER	C-N	37.80	1.83	1.34
2	3Z	43	SER	C-N	37.80	1.83	1.34
2	5F	43	SER	C-N	37.80	1.83	1.34
2	5J	43	SER	C-N	37.80	1.83	1.34
2	5N	43	SER	C-N	37.80	1.83	1.34
2	63	43	SER	C-N	37.80	1.83	1.34
2	67	43	SER	C-N	37.80	1.83	1.34
2	7B	43	SER	C-N	37.80	1.83	1.34
1	1Q	22	HIS	C-O	37.25	1.72	1.24
1	1U	22	HIS	C-O	37.25	1.72	1.24
1	1Y	22	HIS	C-O	37.25	1.72	1.24
1	2Q	22	HIS	C-O	37.25	1.72	1.24
1	2U	22	HIS	C-O	37.25	1.72	1.24
1	2Y	22	HIS	C-O	37.25	1.72	1.24
1	42	22	HIS	C-O	37.25	1.72	1.24
1	46	22	HIS	C-O	37.25	1.72	1.24
1	5A	22	HIS	C-O	37.25	1.72	1.24
1	52	22	HIS	C-O	37.25	1.72	1.24
1	56	22	HIS	C-O	37.25	1.72	1.24
1	6A	22	HIS	C-O	37.25	1.72	1.24
1	1A	22	HIS	C-O	37.23	1.72	1.24
1	1I	22	HIS	C-O	37.23	1.72	1.24
1	2E	22	HIS	C-O	37.23	1.72	1.24
1	26	22	HIS	C-O	37.23	1.72	1.24
1	3E	22	HIS	C-O	37.23	1.72	1.24
1	4A	22	HIS	C-O	37.23	1.72	1.24
1	4M	22	HIS	C-O	37.23	1.72	1.24
1	4U	22	HIS	C-O	37.23	1.72	1.24
1	5Q	22	HIS	C-O	37.23	1.72	1.24
1	6I	22	HIS	C-O	37.23	1.72	1.24
1	6Q	22	HIS	C-O	37.23	1.72	1.24
1	7M	22	HIS	C-O	37.23	1.72	1.24
1	1M	22	HIS	C-O	37.22	1.72	1.24
1	2I	22	HIS	C-O	37.22	1.72	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	22	HIS	C-O	37.22	1.72	1.24
1	3I	22	HIS	C-O	37.22	1.72	1.24
1	32	22	HIS	C-O	37.22	1.72	1.24
1	4E	22	HIS	C-O	37.22	1.72	1.24
1	4Y	22	HIS	C-O	37.22	1.72	1.24
1	5U	22	HIS	C-O	37.22	1.72	1.24
1	6M	22	HIS	C-O	37.22	1.72	1.24
1	6U	22	HIS	C-O	37.22	1.72	1.24
1	7E	22	HIS	C-O	37.22	1.72	1.24
1	7Q	22	HIS	C-O	37.22	1.72	1.24
1	1E	22	HIS	C-O	37.20	1.72	1.24
1	2M	22	HIS	C-O	37.20	1.72	1.24
1	22	22	HIS	C-O	37.20	1.72	1.24
1	3M	22	HIS	C-O	37.20	1.72	1.24
1	36	22	HIS	C-O	37.20	1.72	1.24
1	4I	22	HIS	C-O	37.20	1.72	1.24
1	4Q	22	HIS	C-O	37.20	1.72	1.24
1	5Y	22	HIS	C-O	37.20	1.72	1.24
1	6E	22	HIS	C-O	37.20	1.72	1.24
1	6Y	22	HIS	C-O	37.20	1.72	1.24
1	7I	22	HIS	C-O	37.20	1.72	1.24
1	7U	22	HIS	C-O	37.20	1.72	1.24
1	12	22	HIS	C-O	37.18	1.72	1.24
1	16	22	HIS	C-O	37.18	1.72	1.24
1	2A	22	HIS	C-O	37.18	1.72	1.24
1	3Q	22	HIS	C-O	37.18	1.72	1.24
1	3U	22	HIS	C-O	37.18	1.72	1.24
1	3Y	22	HIS	C-O	37.18	1.72	1.24
1	5E	22	HIS	C-O	37.18	1.72	1.24
1	5I	22	HIS	C-O	37.18	1.72	1.24
1	5M	22	HIS	C-O	37.18	1.72	1.24
1	62	22	HIS	C-O	37.18	1.72	1.24
1	66	22	HIS	C-O	37.18	1.72	1.24
1	7A	22	HIS	C-O	37.18	1.72	1.24
2	13	78	HIS	CD2-NE2	36.71	1.78	1.37
2	17	78	HIS	CD2-NE2	36.71	1.78	1.37
2	2B	78	HIS	CD2-NE2	36.71	1.78	1.37
2	3R	78	HIS	CD2-NE2	36.71	1.78	1.37
2	3V	78	HIS	CD2-NE2	36.71	1.78	1.37
2	3Z	78	HIS	CD2-NE2	36.71	1.78	1.37
2	5F	78	HIS	CD2-NE2	36.71	1.78	1.37
2	5J	78	HIS	CD2-NE2	36.71	1.78	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	78	HIS	CD2-NE2	36.71	1.78	1.37
2	63	78	HIS	CD2-NE2	36.71	1.78	1.37
2	67	78	HIS	CD2-NE2	36.71	1.78	1.37
2	7B	78	HIS	CD2-NE2	36.71	1.78	1.37
2	1N	78	HIS	CD2-NE2	36.69	1.78	1.37
2	2J	78	HIS	CD2-NE2	36.69	1.78	1.37
2	3B	78	HIS	CD2-NE2	36.69	1.78	1.37
2	3J	78	HIS	CD2-NE2	36.69	1.78	1.37
2	33	78	HIS	CD2-NE2	36.69	1.78	1.37
2	4F	78	HIS	CD2-NE2	36.69	1.78	1.37
2	4Z	78	HIS	CD2-NE2	36.69	1.78	1.37
2	5V	78	HIS	CD2-NE2	36.69	1.78	1.37
2	6N	78	HIS	CD2-NE2	36.69	1.78	1.37
2	6V	78	HIS	CD2-NE2	36.69	1.78	1.37
2	7F	78	HIS	CD2-NE2	36.69	1.78	1.37
2	7R	78	HIS	CD2-NE2	36.69	1.78	1.37
2	1B	78	HIS	CD2-NE2	36.66	1.78	1.37
2	1J	78	HIS	CD2-NE2	36.66	1.78	1.37
2	2F	78	HIS	CD2-NE2	36.66	1.78	1.37
2	27	78	HIS	CD2-NE2	36.66	1.78	1.37
2	3F	78	HIS	CD2-NE2	36.66	1.78	1.37
2	4B	78	HIS	CD2-NE2	36.66	1.78	1.37
2	4N	78	HIS	CD2-NE2	36.66	1.78	1.37
2	4V	78	HIS	CD2-NE2	36.66	1.78	1.37
2	5R	78	HIS	CD2-NE2	36.66	1.78	1.37
2	6J	78	HIS	CD2-NE2	36.66	1.78	1.37
2	6R	78	HIS	CD2-NE2	36.66	1.78	1.37
2	7N	78	HIS	CD2-NE2	36.66	1.78	1.37
2	1F	78	HIS	CD2-NE2	36.64	1.78	1.37
2	2N	78	HIS	CD2-NE2	36.64	1.78	1.37
2	23	78	HIS	CD2-NE2	36.64	1.78	1.37
2	3N	78	HIS	CD2-NE2	36.64	1.78	1.37
2	37	78	HIS	CD2-NE2	36.64	1.78	1.37
2	4J	78	HIS	CD2-NE2	36.64	1.78	1.37
2	4R	78	HIS	CD2-NE2	36.64	1.78	1.37
2	5Z	78	HIS	CD2-NE2	36.64	1.78	1.37
2	6F	78	HIS	CD2-NE2	36.64	1.78	1.37
2	6Z	78	HIS	CD2-NE2	36.64	1.78	1.37
2	7J	78	HIS	CD2-NE2	36.64	1.78	1.37
2	7V	78	HIS	CD2-NE2	36.64	1.78	1.37
2	1B	54	ASN	N-CA	-36.62	1.08	1.46
2	1J	54	ASN	N-CA	-36.62	1.08	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	54	ASN	N-CA	-36.62	1.08	1.46
2	27	54	ASN	N-CA	-36.62	1.08	1.46
2	3F	54	ASN	N-CA	-36.62	1.08	1.46
2	4B	54	ASN	N-CA	-36.62	1.08	1.46
2	4N	54	ASN	N-CA	-36.62	1.08	1.46
2	4V	54	ASN	N-CA	-36.62	1.08	1.46
2	5R	54	ASN	N-CA	-36.62	1.08	1.46
2	6J	54	ASN	N-CA	-36.62	1.08	1.46
2	6R	54	ASN	N-CA	-36.62	1.08	1.46
2	7N	54	ASN	N-CA	-36.62	1.08	1.46
2	1R	54	ASN	N-CA	-36.61	1.08	1.46
2	1V	54	ASN	N-CA	-36.61	1.08	1.46
2	1Z	54	ASN	N-CA	-36.61	1.08	1.46
2	2R	54	ASN	N-CA	-36.61	1.08	1.46
2	2V	54	ASN	N-CA	-36.61	1.08	1.46
2	2Z	54	ASN	N-CA	-36.61	1.08	1.46
2	43	54	ASN	N-CA	-36.61	1.08	1.46
2	47	54	ASN	N-CA	-36.61	1.08	1.46
2	5B	54	ASN	N-CA	-36.61	1.08	1.46
2	53	54	ASN	N-CA	-36.61	1.08	1.46
2	57	54	ASN	N-CA	-36.61	1.08	1.46
2	6B	54	ASN	N-CA	-36.61	1.08	1.46
2	1F	54	ASN	N-CA	-36.60	1.08	1.46
2	2N	54	ASN	N-CA	-36.60	1.08	1.46
2	23	54	ASN	N-CA	-36.60	1.08	1.46
2	3N	54	ASN	N-CA	-36.60	1.08	1.46
2	37	54	ASN	N-CA	-36.60	1.08	1.46
2	4J	54	ASN	N-CA	-36.60	1.08	1.46
2	4R	54	ASN	N-CA	-36.60	1.08	1.46
2	5Z	54	ASN	N-CA	-36.60	1.08	1.46
2	6F	54	ASN	N-CA	-36.60	1.08	1.46
2	6Z	54	ASN	N-CA	-36.60	1.08	1.46
2	7J	54	ASN	N-CA	-36.60	1.08	1.46
2	7V	54	ASN	N-CA	-36.60	1.08	1.46
2	1R	78	HIS	CD2-NE2	36.59	1.78	1.37
2	1V	78	HIS	CD2-NE2	36.59	1.78	1.37
2	1Z	78	HIS	CD2-NE2	36.59	1.78	1.37
2	2R	78	HIS	CD2-NE2	36.59	1.78	1.37
2	2V	78	HIS	CD2-NE2	36.59	1.78	1.37
2	2Z	78	HIS	CD2-NE2	36.59	1.78	1.37
2	43	78	HIS	CD2-NE2	36.59	1.78	1.37
2	47	78	HIS	CD2-NE2	36.59	1.78	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	78	HIS	CD2-NE2	36.59	1.78	1.37
2	53	78	HIS	CD2-NE2	36.59	1.78	1.37
2	57	78	HIS	CD2-NE2	36.59	1.78	1.37
2	6B	78	HIS	CD2-NE2	36.59	1.78	1.37
2	1N	54	ASN	N-CA	-36.58	1.08	1.46
2	13	54	ASN	N-CA	-36.58	1.08	1.46
2	17	54	ASN	N-CA	-36.58	1.08	1.46
2	2B	54	ASN	N-CA	-36.58	1.08	1.46
2	2J	54	ASN	N-CA	-36.58	1.08	1.46
2	3B	54	ASN	N-CA	-36.58	1.08	1.46
2	3J	54	ASN	N-CA	-36.58	1.08	1.46
2	3R	54	ASN	N-CA	-36.58	1.08	1.46
2	3V	54	ASN	N-CA	-36.58	1.08	1.46
2	3Z	54	ASN	N-CA	-36.58	1.08	1.46
2	33	54	ASN	N-CA	-36.58	1.08	1.46
2	4F	54	ASN	N-CA	-36.58	1.08	1.46
2	4Z	54	ASN	N-CA	-36.58	1.08	1.46
2	5F	54	ASN	N-CA	-36.58	1.08	1.46
2	5J	54	ASN	N-CA	-36.58	1.08	1.46
2	5N	54	ASN	N-CA	-36.58	1.08	1.46
2	5V	54	ASN	N-CA	-36.58	1.08	1.46
2	6N	54	ASN	N-CA	-36.58	1.08	1.46
2	6V	54	ASN	N-CA	-36.58	1.08	1.46
2	63	54	ASN	N-CA	-36.58	1.08	1.46
2	67	54	ASN	N-CA	-36.58	1.08	1.46
2	7B	54	ASN	N-CA	-36.58	1.08	1.46
2	7F	54	ASN	N-CA	-36.58	1.08	1.46
2	7R	54	ASN	N-CA	-36.58	1.08	1.46
1	1M	34	ALA	C-O	-36.58	0.76	1.23
1	2I	34	ALA	C-O	-36.58	0.76	1.23
1	3A	34	ALA	C-O	-36.58	0.76	1.23
1	3I	34	ALA	C-O	-36.58	0.76	1.23
1	32	34	ALA	C-O	-36.58	0.76	1.23
1	4E	34	ALA	C-O	-36.58	0.76	1.23
1	4Y	34	ALA	C-O	-36.58	0.76	1.23
1	5U	34	ALA	C-O	-36.58	0.76	1.23
1	6M	34	ALA	C-O	-36.58	0.76	1.23
1	6U	34	ALA	C-O	-36.58	0.76	1.23
1	7E	34	ALA	C-O	-36.58	0.76	1.23
1	7Q	34	ALA	C-O	-36.58	0.76	1.23
1	1Q	34	ALA	C-O	-36.56	0.76	1.23
1	1U	34	ALA	C-O	-36.56	0.76	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	34	ALA	C-O	-36.56	0.76	1.23
1	2Q	34	ALA	C-O	-36.56	0.76	1.23
1	2U	34	ALA	C-O	-36.56	0.76	1.23
1	2Y	34	ALA	C-O	-36.56	0.76	1.23
1	42	34	ALA	C-O	-36.56	0.76	1.23
1	46	34	ALA	C-O	-36.56	0.76	1.23
1	5A	34	ALA	C-O	-36.56	0.76	1.23
1	52	34	ALA	C-O	-36.56	0.76	1.23
1	56	34	ALA	C-O	-36.56	0.76	1.23
1	6A	34	ALA	C-O	-36.56	0.76	1.23
1	1M	147	ARG	NE-CZ	36.54	1.73	1.33
1	2I	147	ARG	NE-CZ	36.54	1.73	1.33
1	3A	147	ARG	NE-CZ	36.54	1.73	1.33
1	3I	147	ARG	NE-CZ	36.54	1.73	1.33
1	32	147	ARG	NE-CZ	36.54	1.73	1.33
1	4E	147	ARG	NE-CZ	36.54	1.73	1.33
1	4Y	147	ARG	NE-CZ	36.54	1.73	1.33
1	5U	147	ARG	NE-CZ	36.54	1.73	1.33
1	6M	147	ARG	NE-CZ	36.54	1.73	1.33
1	6U	147	ARG	NE-CZ	36.54	1.73	1.33
1	7E	147	ARG	NE-CZ	36.54	1.73	1.33
1	7Q	147	ARG	NE-CZ	36.54	1.73	1.33
1	1A	34	ALA	C-O	-36.53	0.76	1.23
1	1I	34	ALA	C-O	-36.53	0.76	1.23
1	2E	34	ALA	C-O	-36.53	0.76	1.23
1	26	34	ALA	C-O	-36.53	0.76	1.23
1	3E	34	ALA	C-O	-36.53	0.76	1.23
1	4A	34	ALA	C-O	-36.53	0.76	1.23
1	4M	34	ALA	C-O	-36.53	0.76	1.23
1	4U	34	ALA	C-O	-36.53	0.76	1.23
1	5Q	34	ALA	C-O	-36.53	0.76	1.23
1	6I	34	ALA	C-O	-36.53	0.76	1.23
1	6Q	34	ALA	C-O	-36.53	0.76	1.23
1	7M	34	ALA	C-O	-36.53	0.76	1.23
1	1E	147	ARG	NE-CZ	36.51	1.73	1.33
1	2M	147	ARG	NE-CZ	36.51	1.73	1.33
1	22	147	ARG	NE-CZ	36.51	1.73	1.33
1	3M	147	ARG	NE-CZ	36.51	1.73	1.33
1	36	147	ARG	NE-CZ	36.51	1.73	1.33
1	4I	147	ARG	NE-CZ	36.51	1.73	1.33
1	4Q	147	ARG	NE-CZ	36.51	1.73	1.33
1	5Y	147	ARG	NE-CZ	36.51	1.73	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	147	ARG	NE-CZ	36.51	1.73	1.33
1	6Y	147	ARG	NE-CZ	36.51	1.73	1.33
1	7I	147	ARG	NE-CZ	36.51	1.73	1.33
1	7U	147	ARG	NE-CZ	36.51	1.73	1.33
1	1E	34	ALA	C-O	-36.48	0.76	1.23
1	2M	34	ALA	C-O	-36.48	0.76	1.23
1	22	34	ALA	C-O	-36.48	0.76	1.23
1	3M	34	ALA	C-O	-36.48	0.76	1.23
1	36	34	ALA	C-O	-36.48	0.76	1.23
1	4I	34	ALA	C-O	-36.48	0.76	1.23
1	4Q	34	ALA	C-O	-36.48	0.76	1.23
1	5Y	34	ALA	C-O	-36.48	0.76	1.23
1	6E	34	ALA	C-O	-36.48	0.76	1.23
1	6Y	34	ALA	C-O	-36.48	0.76	1.23
1	7I	34	ALA	C-O	-36.48	0.76	1.23
1	7U	34	ALA	C-O	-36.48	0.76	1.23
1	12	34	ALA	C-O	-36.47	0.76	1.23
1	16	34	ALA	C-O	-36.47	0.76	1.23
1	2A	34	ALA	C-O	-36.47	0.76	1.23
1	3Q	34	ALA	C-O	-36.47	0.76	1.23
1	3U	34	ALA	C-O	-36.47	0.76	1.23
1	3Y	34	ALA	C-O	-36.47	0.76	1.23
1	5E	34	ALA	C-O	-36.47	0.76	1.23
1	5I	34	ALA	C-O	-36.47	0.76	1.23
1	5M	34	ALA	C-O	-36.47	0.76	1.23
1	62	34	ALA	C-O	-36.47	0.76	1.23
1	66	34	ALA	C-O	-36.47	0.76	1.23
1	7A	34	ALA	C-O	-36.47	0.76	1.23
1	1A	147	ARG	NE-CZ	36.45	1.73	1.33
1	1I	147	ARG	NE-CZ	36.45	1.73	1.33
1	2E	147	ARG	NE-CZ	36.45	1.73	1.33
1	26	147	ARG	NE-CZ	36.45	1.73	1.33
1	3E	147	ARG	NE-CZ	36.45	1.73	1.33
1	4A	147	ARG	NE-CZ	36.45	1.73	1.33
1	4M	147	ARG	NE-CZ	36.45	1.73	1.33
1	4U	147	ARG	NE-CZ	36.45	1.73	1.33
1	5Q	147	ARG	NE-CZ	36.45	1.73	1.33
1	6I	147	ARG	NE-CZ	36.45	1.73	1.33
1	6Q	147	ARG	NE-CZ	36.45	1.73	1.33
1	7M	147	ARG	NE-CZ	36.45	1.73	1.33
1	1Q	147	ARG	NE-CZ	36.41	1.73	1.33
1	1U	147	ARG	NE-CZ	36.41	1.73	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	147	ARG	NE-CZ	36.41	1.73	1.33
1	2Q	147	ARG	NE-CZ	36.41	1.73	1.33
1	2U	147	ARG	NE-CZ	36.41	1.73	1.33
1	2Y	147	ARG	NE-CZ	36.41	1.73	1.33
1	42	147	ARG	NE-CZ	36.41	1.73	1.33
1	46	147	ARG	NE-CZ	36.41	1.73	1.33
1	5A	147	ARG	NE-CZ	36.41	1.73	1.33
1	52	147	ARG	NE-CZ	36.41	1.73	1.33
1	56	147	ARG	NE-CZ	36.41	1.73	1.33
1	6A	147	ARG	NE-CZ	36.41	1.73	1.33
1	12	147	ARG	NE-CZ	36.40	1.73	1.33
1	16	147	ARG	NE-CZ	36.40	1.73	1.33
1	2A	147	ARG	NE-CZ	36.40	1.73	1.33
1	3Q	147	ARG	NE-CZ	36.40	1.73	1.33
1	3U	147	ARG	NE-CZ	36.40	1.73	1.33
1	3Y	147	ARG	NE-CZ	36.40	1.73	1.33
1	5E	147	ARG	NE-CZ	36.40	1.73	1.33
1	5I	147	ARG	NE-CZ	36.40	1.73	1.33
1	5M	147	ARG	NE-CZ	36.40	1.73	1.33
1	62	147	ARG	NE-CZ	36.40	1.73	1.33
1	66	147	ARG	NE-CZ	36.40	1.73	1.33
1	7A	147	ARG	NE-CZ	36.40	1.73	1.33
1	1Q	171	ARG	NE-CZ	36.32	1.73	1.33
1	1U	171	ARG	NE-CZ	36.32	1.73	1.33
1	1Y	171	ARG	NE-CZ	36.32	1.73	1.33
1	2Q	171	ARG	NE-CZ	36.32	1.73	1.33
1	2U	171	ARG	NE-CZ	36.32	1.73	1.33
1	2Y	171	ARG	NE-CZ	36.32	1.73	1.33
1	42	171	ARG	NE-CZ	36.32	1.73	1.33
1	46	171	ARG	NE-CZ	36.32	1.73	1.33
1	5A	171	ARG	NE-CZ	36.32	1.73	1.33
1	52	171	ARG	NE-CZ	36.32	1.73	1.33
1	56	171	ARG	NE-CZ	36.32	1.73	1.33
1	6A	171	ARG	NE-CZ	36.32	1.73	1.33
1	1E	171	ARG	NE-CZ	36.24	1.73	1.33
1	2M	171	ARG	NE-CZ	36.24	1.73	1.33
1	22	171	ARG	NE-CZ	36.24	1.73	1.33
1	3M	171	ARG	NE-CZ	36.24	1.73	1.33
1	36	171	ARG	NE-CZ	36.24	1.73	1.33
1	4I	171	ARG	NE-CZ	36.24	1.73	1.33
1	4Q	171	ARG	NE-CZ	36.24	1.73	1.33
1	5Y	171	ARG	NE-CZ	36.24	1.73	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	171	ARG	NE-CZ	36.24	1.73	1.33
1	6Y	171	ARG	NE-CZ	36.24	1.73	1.33
1	7I	171	ARG	NE-CZ	36.24	1.73	1.33
1	7U	171	ARG	NE-CZ	36.24	1.73	1.33
1	1M	171	ARG	NE-CZ	36.22	1.72	1.33
1	2I	171	ARG	NE-CZ	36.22	1.72	1.33
1	3A	171	ARG	NE-CZ	36.22	1.72	1.33
1	3I	171	ARG	NE-CZ	36.22	1.72	1.33
1	32	171	ARG	NE-CZ	36.22	1.72	1.33
1	4E	171	ARG	NE-CZ	36.22	1.72	1.33
1	4Y	171	ARG	NE-CZ	36.22	1.72	1.33
1	5U	171	ARG	NE-CZ	36.22	1.72	1.33
1	6M	171	ARG	NE-CZ	36.22	1.72	1.33
1	6U	171	ARG	NE-CZ	36.22	1.72	1.33
1	7E	171	ARG	NE-CZ	36.22	1.72	1.33
1	7Q	171	ARG	NE-CZ	36.22	1.72	1.33
1	1A	171	ARG	NE-CZ	36.22	1.72	1.33
1	1I	171	ARG	NE-CZ	36.22	1.72	1.33
1	12	171	ARG	NE-CZ	36.22	1.72	1.33
1	16	171	ARG	NE-CZ	36.22	1.72	1.33
1	2A	171	ARG	NE-CZ	36.22	1.72	1.33
1	2E	171	ARG	NE-CZ	36.22	1.72	1.33
1	26	171	ARG	NE-CZ	36.22	1.72	1.33
1	3E	171	ARG	NE-CZ	36.22	1.72	1.33
1	3Q	171	ARG	NE-CZ	36.22	1.72	1.33
1	3U	171	ARG	NE-CZ	36.22	1.72	1.33
1	3Y	171	ARG	NE-CZ	36.22	1.72	1.33
1	4A	171	ARG	NE-CZ	36.22	1.72	1.33
1	4M	171	ARG	NE-CZ	36.22	1.72	1.33
1	4U	171	ARG	NE-CZ	36.22	1.72	1.33
1	5E	171	ARG	NE-CZ	36.22	1.72	1.33
1	5I	171	ARG	NE-CZ	36.22	1.72	1.33
1	5M	171	ARG	NE-CZ	36.22	1.72	1.33
1	5Q	171	ARG	NE-CZ	36.22	1.72	1.33
1	6I	171	ARG	NE-CZ	36.22	1.72	1.33
1	6Q	171	ARG	NE-CZ	36.22	1.72	1.33
1	62	171	ARG	NE-CZ	36.22	1.72	1.33
1	66	171	ARG	NE-CZ	36.22	1.72	1.33
1	7A	171	ARG	NE-CZ	36.22	1.72	1.33
1	7M	171	ARG	NE-CZ	36.22	1.72	1.33
1	1E	90	PHE	CA-C	-35.81	1.05	1.52
1	2M	90	PHE	CA-C	-35.81	1.05	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	90	PHE	CA-C	-35.81	1.05	1.52
1	3M	90	PHE	CA-C	-35.81	1.05	1.52
1	36	90	PHE	CA-C	-35.81	1.05	1.52
1	4I	90	PHE	CA-C	-35.81	1.05	1.52
1	4Q	90	PHE	CA-C	-35.81	1.05	1.52
1	5Y	90	PHE	CA-C	-35.81	1.05	1.52
1	6E	90	PHE	CA-C	-35.81	1.05	1.52
1	6Y	90	PHE	CA-C	-35.81	1.05	1.52
1	7I	90	PHE	CA-C	-35.81	1.05	1.52
1	7U	90	PHE	CA-C	-35.81	1.05	1.52
1	1M	90	PHE	CA-C	-35.79	1.05	1.52
1	2I	90	PHE	CA-C	-35.79	1.05	1.52
1	3A	90	PHE	CA-C	-35.79	1.05	1.52
1	3I	90	PHE	CA-C	-35.79	1.05	1.52
1	32	90	PHE	CA-C	-35.79	1.05	1.52
1	4E	90	PHE	CA-C	-35.79	1.05	1.52
1	4Y	90	PHE	CA-C	-35.79	1.05	1.52
1	5U	90	PHE	CA-C	-35.79	1.05	1.52
1	6M	90	PHE	CA-C	-35.79	1.05	1.52
1	6U	90	PHE	CA-C	-35.79	1.05	1.52
1	7E	90	PHE	CA-C	-35.79	1.05	1.52
1	7Q	90	PHE	CA-C	-35.79	1.05	1.52
1	1A	90	PHE	CA-C	-35.78	1.05	1.52
1	1I	90	PHE	CA-C	-35.78	1.05	1.52
1	1Q	90	PHE	CA-C	-35.78	1.05	1.52
1	1U	90	PHE	CA-C	-35.78	1.05	1.52
1	1Y	90	PHE	CA-C	-35.78	1.05	1.52
1	2E	90	PHE	CA-C	-35.78	1.05	1.52
1	2Q	90	PHE	CA-C	-35.78	1.05	1.52
1	2U	90	PHE	CA-C	-35.78	1.05	1.52
1	2Y	90	PHE	CA-C	-35.78	1.05	1.52
1	26	90	PHE	CA-C	-35.78	1.05	1.52
1	3E	90	PHE	CA-C	-35.78	1.05	1.52
1	4A	90	PHE	CA-C	-35.78	1.05	1.52
1	4M	90	PHE	CA-C	-35.78	1.05	1.52
1	4U	90	PHE	CA-C	-35.78	1.05	1.52
1	42	90	PHE	CA-C	-35.78	1.05	1.52
1	46	90	PHE	CA-C	-35.78	1.05	1.52
1	5A	90	PHE	CA-C	-35.78	1.05	1.52
1	5Q	90	PHE	CA-C	-35.78	1.05	1.52
1	52	90	PHE	CA-C	-35.78	1.05	1.52
1	56	90	PHE	CA-C	-35.78	1.05	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6A	90	PHE	CA-C	-35.78	1.05	1.52
1	6I	90	PHE	CA-C	-35.78	1.05	1.52
1	6Q	90	PHE	CA-C	-35.78	1.05	1.52
1	7M	90	PHE	CA-C	-35.78	1.05	1.52
1	1E	90	PHE	C-N	35.75	1.77	1.33
1	2M	90	PHE	C-N	35.75	1.77	1.33
1	22	90	PHE	C-N	35.75	1.77	1.33
1	3M	90	PHE	C-N	35.75	1.77	1.33
1	36	90	PHE	C-N	35.75	1.77	1.33
1	4I	90	PHE	C-N	35.75	1.77	1.33
1	4Q	90	PHE	C-N	35.75	1.77	1.33
1	5Y	90	PHE	C-N	35.75	1.77	1.33
1	6E	90	PHE	C-N	35.75	1.77	1.33
1	6Y	90	PHE	C-N	35.75	1.77	1.33
1	7I	90	PHE	C-N	35.75	1.77	1.33
1	7U	90	PHE	C-N	35.75	1.77	1.33
1	1M	90	PHE	C-N	35.74	1.76	1.33
1	2I	90	PHE	C-N	35.74	1.76	1.33
1	3A	90	PHE	C-N	35.74	1.76	1.33
1	3I	90	PHE	C-N	35.74	1.76	1.33
1	32	90	PHE	C-N	35.74	1.76	1.33
1	4E	90	PHE	C-N	35.74	1.76	1.33
1	4Y	90	PHE	C-N	35.74	1.76	1.33
1	5U	90	PHE	C-N	35.74	1.76	1.33
1	6M	90	PHE	C-N	35.74	1.76	1.33
1	6U	90	PHE	C-N	35.74	1.76	1.33
1	7E	90	PHE	C-N	35.74	1.76	1.33
1	7Q	90	PHE	C-N	35.74	1.76	1.33
1	12	90	PHE	CA-C	-35.73	1.05	1.52
1	16	90	PHE	CA-C	-35.73	1.05	1.52
1	2A	90	PHE	CA-C	-35.73	1.05	1.52
1	3Q	90	PHE	CA-C	-35.73	1.05	1.52
1	3U	90	PHE	CA-C	-35.73	1.05	1.52
1	3Y	90	PHE	CA-C	-35.73	1.05	1.52
1	5E	90	PHE	CA-C	-35.73	1.05	1.52
1	5I	90	PHE	CA-C	-35.73	1.05	1.52
1	5M	90	PHE	CA-C	-35.73	1.05	1.52
1	62	90	PHE	CA-C	-35.73	1.05	1.52
1	66	90	PHE	CA-C	-35.73	1.05	1.52
1	7A	90	PHE	CA-C	-35.73	1.05	1.52
1	1A	90	PHE	C-N	35.73	1.76	1.33
1	1I	90	PHE	C-N	35.73	1.76	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	90	PHE	C-N	35.73	1.76	1.33
1	26	90	PHE	C-N	35.73	1.76	1.33
1	3E	90	PHE	C-N	35.73	1.76	1.33
1	4A	90	PHE	C-N	35.73	1.76	1.33
1	4M	90	PHE	C-N	35.73	1.76	1.33
1	4U	90	PHE	C-N	35.73	1.76	1.33
1	5Q	90	PHE	C-N	35.73	1.76	1.33
1	6I	90	PHE	C-N	35.73	1.76	1.33
1	6Q	90	PHE	C-N	35.73	1.76	1.33
1	7M	90	PHE	C-N	35.73	1.76	1.33
1	1Q	90	PHE	C-N	35.72	1.76	1.33
1	1U	90	PHE	C-N	35.72	1.76	1.33
1	1Y	90	PHE	C-N	35.72	1.76	1.33
1	12	90	PHE	C-N	35.72	1.76	1.33
1	16	90	PHE	C-N	35.72	1.76	1.33
1	2A	90	PHE	C-N	35.72	1.76	1.33
1	2Q	90	PHE	C-N	35.72	1.76	1.33
1	2U	90	PHE	C-N	35.72	1.76	1.33
1	2Y	90	PHE	C-N	35.72	1.76	1.33
1	3Q	90	PHE	C-N	35.72	1.76	1.33
1	3U	90	PHE	C-N	35.72	1.76	1.33
1	3Y	90	PHE	C-N	35.72	1.76	1.33
1	42	90	PHE	C-N	35.72	1.76	1.33
1	46	90	PHE	C-N	35.72	1.76	1.33
1	5A	90	PHE	C-N	35.72	1.76	1.33
1	5E	90	PHE	C-N	35.72	1.76	1.33
1	5I	90	PHE	C-N	35.72	1.76	1.33
1	5M	90	PHE	C-N	35.72	1.76	1.33
1	52	90	PHE	C-N	35.72	1.76	1.33
1	56	90	PHE	C-N	35.72	1.76	1.33
1	6A	90	PHE	C-N	35.72	1.76	1.33
1	62	90	PHE	C-N	35.72	1.76	1.33
1	66	90	PHE	C-N	35.72	1.76	1.33
1	7A	90	PHE	C-N	35.72	1.76	1.33
2	1F	58	LEU	CA-CB	35.62	2.13	1.53
2	2N	58	LEU	CA-CB	35.62	2.13	1.53
2	23	58	LEU	CA-CB	35.62	2.13	1.53
2	3N	58	LEU	CA-CB	35.62	2.13	1.53
2	37	58	LEU	CA-CB	35.62	2.13	1.53
2	4J	58	LEU	CA-CB	35.62	2.13	1.53
2	4R	58	LEU	CA-CB	35.62	2.13	1.53
2	5Z	58	LEU	CA-CB	35.62	2.13	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	58	LEU	CA-CB	35.62	2.13	1.53
2	6Z	58	LEU	CA-CB	35.62	2.13	1.53
2	7J	58	LEU	CA-CB	35.62	2.13	1.53
2	7V	58	LEU	CA-CB	35.62	2.13	1.53
2	1N	58	LEU	CA-CB	35.60	2.13	1.53
2	1R	58	LEU	CA-CB	35.59	2.13	1.53
2	1V	58	LEU	CA-CB	35.59	2.13	1.53
2	1Z	58	LEU	CA-CB	35.59	2.13	1.53
2	2J	58	LEU	CA-CB	35.60	2.13	1.53
2	2R	58	LEU	CA-CB	35.59	2.13	1.53
2	2V	58	LEU	CA-CB	35.59	2.13	1.53
2	2Z	58	LEU	CA-CB	35.59	2.13	1.53
2	3B	58	LEU	CA-CB	35.60	2.13	1.53
2	3J	58	LEU	CA-CB	35.60	2.13	1.53
2	33	58	LEU	CA-CB	35.60	2.13	1.53
2	4F	58	LEU	CA-CB	35.60	2.13	1.53
2	4Z	58	LEU	CA-CB	35.60	2.13	1.53
2	43	58	LEU	CA-CB	35.59	2.13	1.53
2	47	58	LEU	CA-CB	35.59	2.13	1.53
2	5B	58	LEU	CA-CB	35.59	2.13	1.53
2	5V	58	LEU	CA-CB	35.60	2.13	1.53
2	53	58	LEU	CA-CB	35.59	2.13	1.53
2	57	58	LEU	CA-CB	35.59	2.13	1.53
2	6B	58	LEU	CA-CB	35.59	2.13	1.53
2	6N	58	LEU	CA-CB	35.60	2.13	1.53
2	6V	58	LEU	CA-CB	35.60	2.13	1.53
2	7F	58	LEU	CA-CB	35.60	2.13	1.53
2	7R	58	LEU	CA-CB	35.60	2.13	1.53
2	1B	58	LEU	CA-CB	35.58	2.13	1.53
2	1J	58	LEU	CA-CB	35.58	2.13	1.53
2	2F	58	LEU	CA-CB	35.58	2.13	1.53
2	27	58	LEU	CA-CB	35.58	2.13	1.53
2	3F	58	LEU	CA-CB	35.58	2.13	1.53
2	4B	58	LEU	CA-CB	35.58	2.13	1.53
2	4N	58	LEU	CA-CB	35.58	2.13	1.53
2	4V	58	LEU	CA-CB	35.58	2.13	1.53
2	5R	58	LEU	CA-CB	35.58	2.13	1.53
2	6J	58	LEU	CA-CB	35.58	2.13	1.53
2	6R	58	LEU	CA-CB	35.58	2.13	1.53
2	7N	58	LEU	CA-CB	35.58	2.13	1.53
2	13	58	LEU	CA-CB	35.57	2.13	1.53
2	17	58	LEU	CA-CB	35.57	2.13	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	58	LEU	CA-CB	35.57	2.13	1.53
2	3R	58	LEU	CA-CB	35.57	2.13	1.53
2	3V	58	LEU	CA-CB	35.57	2.13	1.53
2	3Z	58	LEU	CA-CB	35.57	2.13	1.53
2	5F	58	LEU	CA-CB	35.57	2.13	1.53
2	5J	58	LEU	CA-CB	35.57	2.13	1.53
2	5N	58	LEU	CA-CB	35.57	2.13	1.53
2	63	58	LEU	CA-CB	35.57	2.13	1.53
2	67	58	LEU	CA-CB	35.57	2.13	1.53
2	7B	58	LEU	CA-CB	35.57	2.13	1.53
2	1B	39	ASP	N-CA	35.08	1.88	1.46
2	1J	39	ASP	N-CA	35.08	1.88	1.46
2	2F	39	ASP	N-CA	35.08	1.88	1.46
2	27	39	ASP	N-CA	35.08	1.88	1.46
2	3F	39	ASP	N-CA	35.08	1.88	1.46
2	4B	39	ASP	N-CA	35.08	1.88	1.46
2	4N	39	ASP	N-CA	35.08	1.88	1.46
2	4V	39	ASP	N-CA	35.08	1.88	1.46
2	5R	39	ASP	N-CA	35.08	1.88	1.46
2	6J	39	ASP	N-CA	35.08	1.88	1.46
2	6R	39	ASP	N-CA	35.08	1.88	1.46
2	7N	39	ASP	N-CA	35.08	1.88	1.46
2	1N	39	ASP	N-CA	35.06	1.88	1.46
2	2J	39	ASP	N-CA	35.06	1.88	1.46
2	3B	39	ASP	N-CA	35.06	1.88	1.46
2	3J	39	ASP	N-CA	35.06	1.88	1.46
2	33	39	ASP	N-CA	35.06	1.88	1.46
2	4F	39	ASP	N-CA	35.06	1.88	1.46
2	4Z	39	ASP	N-CA	35.06	1.88	1.46
2	5V	39	ASP	N-CA	35.06	1.88	1.46
2	6N	39	ASP	N-CA	35.06	1.88	1.46
2	6V	39	ASP	N-CA	35.06	1.88	1.46
2	7F	39	ASP	N-CA	35.06	1.88	1.46
2	7R	39	ASP	N-CA	35.06	1.88	1.46
2	1F	39	ASP	N-CA	35.04	1.88	1.46
2	2N	39	ASP	N-CA	35.04	1.88	1.46
2	23	39	ASP	N-CA	35.04	1.88	1.46
2	3N	39	ASP	N-CA	35.04	1.88	1.46
2	37	39	ASP	N-CA	35.04	1.88	1.46
2	4J	39	ASP	N-CA	35.04	1.88	1.46
2	4R	39	ASP	N-CA	35.04	1.88	1.46
2	5Z	39	ASP	N-CA	35.04	1.88	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	39	ASP	N-CA	35.04	1.88	1.46
2	6Z	39	ASP	N-CA	35.04	1.88	1.46
2	7J	39	ASP	N-CA	35.04	1.88	1.46
2	7V	39	ASP	N-CA	35.04	1.88	1.46
2	1R	39	ASP	N-CA	35.03	1.88	1.46
2	1V	39	ASP	N-CA	35.03	1.88	1.46
2	1Z	39	ASP	N-CA	35.03	1.88	1.46
2	2R	39	ASP	N-CA	35.03	1.88	1.46
2	2V	39	ASP	N-CA	35.03	1.88	1.46
2	2Z	39	ASP	N-CA	35.03	1.88	1.46
2	43	39	ASP	N-CA	35.03	1.88	1.46
2	47	39	ASP	N-CA	35.03	1.88	1.46
2	5B	39	ASP	N-CA	35.03	1.88	1.46
2	53	39	ASP	N-CA	35.03	1.88	1.46
2	57	39	ASP	N-CA	35.03	1.88	1.46
2	6B	39	ASP	N-CA	35.03	1.88	1.46
2	13	39	ASP	N-CA	35.03	1.88	1.46
2	17	39	ASP	N-CA	35.03	1.88	1.46
2	2B	39	ASP	N-CA	35.03	1.88	1.46
2	3R	39	ASP	N-CA	35.03	1.88	1.46
2	3V	39	ASP	N-CA	35.03	1.88	1.46
2	3Z	39	ASP	N-CA	35.03	1.88	1.46
2	5F	39	ASP	N-CA	35.03	1.88	1.46
2	5J	39	ASP	N-CA	35.03	1.88	1.46
2	5N	39	ASP	N-CA	35.03	1.88	1.46
2	63	39	ASP	N-CA	35.03	1.88	1.46
2	67	39	ASP	N-CA	35.03	1.88	1.46
2	7B	39	ASP	N-CA	35.03	1.88	1.46
1	12	170	ALA	N-CA	-34.80	0.99	1.46
1	16	170	ALA	N-CA	-34.80	0.99	1.46
1	2A	170	ALA	N-CA	-34.80	0.99	1.46
1	3Q	170	ALA	N-CA	-34.80	0.99	1.46
1	3U	170	ALA	N-CA	-34.80	0.99	1.46
1	3Y	170	ALA	N-CA	-34.80	0.99	1.46
1	5E	170	ALA	N-CA	-34.80	0.99	1.46
1	5I	170	ALA	N-CA	-34.80	0.99	1.46
1	5M	170	ALA	N-CA	-34.80	0.99	1.46
1	62	170	ALA	N-CA	-34.80	0.99	1.46
1	66	170	ALA	N-CA	-34.80	0.99	1.46
1	7A	170	ALA	N-CA	-34.80	0.99	1.46
1	1M	170	ALA	N-CA	-34.79	0.99	1.46
1	2I	170	ALA	N-CA	-34.79	0.99	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	170	ALA	N-CA	-34.79	0.99	1.46
1	3I	170	ALA	N-CA	-34.79	0.99	1.46
1	32	170	ALA	N-CA	-34.79	0.99	1.46
1	4E	170	ALA	N-CA	-34.79	0.99	1.46
1	4Y	170	ALA	N-CA	-34.79	0.99	1.46
1	5U	170	ALA	N-CA	-34.79	0.99	1.46
1	6M	170	ALA	N-CA	-34.79	0.99	1.46
1	6U	170	ALA	N-CA	-34.79	0.99	1.46
1	7E	170	ALA	N-CA	-34.79	0.99	1.46
1	7Q	170	ALA	N-CA	-34.79	0.99	1.46
1	1A	170	ALA	N-CA	-34.77	0.99	1.46
1	1I	170	ALA	N-CA	-34.77	0.99	1.46
1	2E	170	ALA	N-CA	-34.77	0.99	1.46
1	26	170	ALA	N-CA	-34.77	0.99	1.46
1	3E	170	ALA	N-CA	-34.77	0.99	1.46
1	4A	170	ALA	N-CA	-34.77	0.99	1.46
1	4M	170	ALA	N-CA	-34.77	0.99	1.46
1	4U	170	ALA	N-CA	-34.77	0.99	1.46
1	5Q	170	ALA	N-CA	-34.77	0.99	1.46
1	6I	170	ALA	N-CA	-34.77	0.99	1.46
1	6Q	170	ALA	N-CA	-34.77	0.99	1.46
1	7M	170	ALA	N-CA	-34.77	0.99	1.46
1	1Q	170	ALA	N-CA	-34.75	0.99	1.46
1	1U	170	ALA	N-CA	-34.75	0.99	1.46
1	1Y	170	ALA	N-CA	-34.75	0.99	1.46
1	2Q	170	ALA	N-CA	-34.75	0.99	1.46
1	2U	170	ALA	N-CA	-34.75	0.99	1.46
1	2Y	170	ALA	N-CA	-34.75	0.99	1.46
1	42	170	ALA	N-CA	-34.75	0.99	1.46
1	46	170	ALA	N-CA	-34.75	0.99	1.46
1	5A	170	ALA	N-CA	-34.75	0.99	1.46
1	52	170	ALA	N-CA	-34.75	0.99	1.46
1	56	170	ALA	N-CA	-34.75	0.99	1.46
1	6A	170	ALA	N-CA	-34.75	0.99	1.46
2	1R	21	THR	CA-C	34.75	2.02	1.53
2	1V	21	THR	CA-C	34.75	2.02	1.53
2	1Z	21	THR	CA-C	34.75	2.02	1.53
2	2R	21	THR	CA-C	34.75	2.02	1.53
2	2V	21	THR	CA-C	34.75	2.02	1.53
2	2Z	21	THR	CA-C	34.75	2.02	1.53
2	43	21	THR	CA-C	34.75	2.02	1.53
2	47	21	THR	CA-C	34.75	2.02	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	21	THR	CA-C	34.75	2.02	1.53
2	53	21	THR	CA-C	34.75	2.02	1.53
2	57	21	THR	CA-C	34.75	2.02	1.53
2	6B	21	THR	CA-C	34.75	2.02	1.53
1	1E	170	ALA	N-CA	-34.75	0.99	1.46
2	13	21	THR	CA-C	34.75	2.02	1.53
2	17	21	THR	CA-C	34.75	2.02	1.53
2	2B	21	THR	CA-C	34.75	2.02	1.53
1	2M	170	ALA	N-CA	-34.75	0.99	1.46
1	22	170	ALA	N-CA	-34.75	0.99	1.46
1	3M	170	ALA	N-CA	-34.75	0.99	1.46
2	3R	21	THR	CA-C	34.75	2.02	1.53
2	3V	21	THR	CA-C	34.75	2.02	1.53
2	3Z	21	THR	CA-C	34.75	2.02	1.53
1	36	170	ALA	N-CA	-34.75	0.99	1.46
1	4I	170	ALA	N-CA	-34.75	0.99	1.46
1	4Q	170	ALA	N-CA	-34.75	0.99	1.46
2	5F	21	THR	CA-C	34.75	2.02	1.53
2	5J	21	THR	CA-C	34.75	2.02	1.53
2	5N	21	THR	CA-C	34.75	2.02	1.53
1	5Y	170	ALA	N-CA	-34.75	0.99	1.46
1	6E	170	ALA	N-CA	-34.75	0.99	1.46
1	6Y	170	ALA	N-CA	-34.75	0.99	1.46
2	63	21	THR	CA-C	34.75	2.02	1.53
2	67	21	THR	CA-C	34.75	2.02	1.53
2	7B	21	THR	CA-C	34.75	2.02	1.53
1	7I	170	ALA	N-CA	-34.75	0.99	1.46
1	7U	170	ALA	N-CA	-34.75	0.99	1.46
2	1N	21	THR	CA-C	34.72	2.02	1.53
2	2J	21	THR	CA-C	34.72	2.02	1.53
2	3B	21	THR	CA-C	34.72	2.02	1.53
2	3J	21	THR	CA-C	34.72	2.02	1.53
2	33	21	THR	CA-C	34.72	2.02	1.53
2	4F	21	THR	CA-C	34.72	2.02	1.53
2	4Z	21	THR	CA-C	34.72	2.02	1.53
2	5V	21	THR	CA-C	34.72	2.02	1.53
2	6N	21	THR	CA-C	34.72	2.02	1.53
2	6V	21	THR	CA-C	34.72	2.02	1.53
2	7F	21	THR	CA-C	34.72	2.02	1.53
2	7R	21	THR	CA-C	34.72	2.02	1.53
2	1B	21	THR	CA-C	34.72	2.02	1.53
2	1J	21	THR	CA-C	34.72	2.02	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	21	THR	CA-C	34.72	2.02	1.53
2	27	21	THR	CA-C	34.72	2.02	1.53
2	3F	21	THR	CA-C	34.72	2.02	1.53
2	4B	21	THR	CA-C	34.72	2.02	1.53
2	4N	21	THR	CA-C	34.72	2.02	1.53
2	4V	21	THR	CA-C	34.72	2.02	1.53
2	5R	21	THR	CA-C	34.72	2.02	1.53
2	6J	21	THR	CA-C	34.72	2.02	1.53
2	6R	21	THR	CA-C	34.72	2.02	1.53
2	7N	21	THR	CA-C	34.72	2.02	1.53
2	1F	21	THR	CA-C	34.70	2.02	1.53
2	2N	21	THR	CA-C	34.70	2.02	1.53
2	23	21	THR	CA-C	34.70	2.02	1.53
2	3N	21	THR	CA-C	34.70	2.02	1.53
2	37	21	THR	CA-C	34.70	2.02	1.53
2	4J	21	THR	CA-C	34.70	2.02	1.53
2	4R	21	THR	CA-C	34.70	2.02	1.53
2	5Z	21	THR	CA-C	34.70	2.02	1.53
2	6F	21	THR	CA-C	34.70	2.02	1.53
2	6Z	21	THR	CA-C	34.70	2.02	1.53
2	7J	21	THR	CA-C	34.70	2.02	1.53
2	7V	21	THR	CA-C	34.70	2.02	1.53
2	13	221	ALA	CA-C	34.55	1.99	1.53
2	5F	221	ALA	CA-C	34.55	1.99	1.53
2	67	221	ALA	CA-C	34.55	1.99	1.53
2	1B	221	ALA	CA-C	34.55	1.99	1.53
2	1J	221	ALA	CA-C	34.55	1.99	1.53
2	1R	221	ALA	CA-C	34.55	1.99	1.53
2	1V	221	ALA	CA-C	34.55	1.99	1.53
2	1Z	221	ALA	CA-C	34.55	1.99	1.53
2	17	221	ALA	CA-C	34.55	1.99	1.53
2	2B	221	ALA	CA-C	34.55	1.99	1.53
2	3V	221	ALA	CA-C	34.55	1.99	1.53
2	2F	221	ALA	CA-C	34.55	1.99	1.53
2	2R	221	ALA	CA-C	34.55	1.99	1.53
2	2V	221	ALA	CA-C	34.55	1.99	1.53
2	2Z	221	ALA	CA-C	34.55	1.99	1.53
2	3R	221	ALA	CA-C	34.55	1.99	1.53
2	3Z	221	ALA	CA-C	34.55	1.99	1.53
2	27	221	ALA	CA-C	34.55	1.99	1.53
2	3F	221	ALA	CA-C	34.55	1.99	1.53
2	4B	221	ALA	CA-C	34.55	1.99	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4N	221	ALA	CA-C	34.55	1.99	1.53
2	4V	221	ALA	CA-C	34.55	1.99	1.53
2	43	221	ALA	CA-C	34.55	1.99	1.53
2	47	221	ALA	CA-C	34.55	1.99	1.53
2	5B	221	ALA	CA-C	34.55	1.99	1.53
2	5J	221	ALA	CA-C	34.55	1.99	1.53
2	5N	221	ALA	CA-C	34.55	1.99	1.53
2	5R	221	ALA	CA-C	34.55	1.99	1.53
2	53	221	ALA	CA-C	34.55	1.99	1.53
2	57	221	ALA	CA-C	34.55	1.99	1.53
2	6B	221	ALA	CA-C	34.55	1.99	1.53
2	63	221	ALA	CA-C	34.55	1.99	1.53
2	7B	221	ALA	CA-C	34.55	1.99	1.53
2	6J	221	ALA	CA-C	34.55	1.99	1.53
2	6R	221	ALA	CA-C	34.55	1.99	1.53
2	7N	221	ALA	CA-C	34.55	1.99	1.53
2	1N	221	ALA	CA-C	34.51	1.99	1.53
2	2J	221	ALA	CA-C	34.51	1.99	1.53
2	3B	221	ALA	CA-C	34.51	1.99	1.53
2	3J	221	ALA	CA-C	34.51	1.99	1.53
2	33	221	ALA	CA-C	34.51	1.99	1.53
2	4F	221	ALA	CA-C	34.51	1.99	1.53
2	4Z	221	ALA	CA-C	34.51	1.99	1.53
2	5V	221	ALA	CA-C	34.51	1.99	1.53
2	6N	221	ALA	CA-C	34.51	1.99	1.53
2	6V	221	ALA	CA-C	34.51	1.99	1.53
2	7F	221	ALA	CA-C	34.51	1.99	1.53
2	7R	221	ALA	CA-C	34.51	1.99	1.53
2	1F	221	ALA	CA-C	34.49	1.99	1.53
2	2N	221	ALA	CA-C	34.49	1.99	1.53
2	23	221	ALA	CA-C	34.49	1.99	1.53
2	3N	221	ALA	CA-C	34.49	1.99	1.53
2	37	221	ALA	CA-C	34.49	1.99	1.53
2	4J	221	ALA	CA-C	34.49	1.99	1.53
2	4R	221	ALA	CA-C	34.49	1.99	1.53
2	5Z	221	ALA	CA-C	34.49	1.99	1.53
2	6F	221	ALA	CA-C	34.49	1.99	1.53
2	6Z	221	ALA	CA-C	34.49	1.99	1.53
2	7J	221	ALA	CA-C	34.49	1.99	1.53
2	7V	221	ALA	CA-C	34.49	1.99	1.53
2	1N	42	HIS	CG-CD2	-34.46	0.97	1.35
2	2J	42	HIS	CG-CD2	-34.46	0.97	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	42	HIS	CG-CD2	-34.46	0.97	1.35
2	3J	42	HIS	CG-CD2	-34.46	0.97	1.35
2	33	42	HIS	CG-CD2	-34.46	0.97	1.35
2	4F	42	HIS	CG-CD2	-34.46	0.97	1.35
2	4Z	42	HIS	CG-CD2	-34.46	0.97	1.35
2	5V	42	HIS	CG-CD2	-34.46	0.97	1.35
2	6N	42	HIS	CG-CD2	-34.46	0.97	1.35
2	6V	42	HIS	CG-CD2	-34.46	0.97	1.35
2	7F	42	HIS	CG-CD2	-34.46	0.97	1.35
2	7R	42	HIS	CG-CD2	-34.46	0.97	1.35
2	1F	42	HIS	CG-CD2	-34.41	0.98	1.35
2	2N	42	HIS	CG-CD2	-34.41	0.98	1.35
2	23	42	HIS	CG-CD2	-34.41	0.98	1.35
2	3N	42	HIS	CG-CD2	-34.41	0.98	1.35
2	37	42	HIS	CG-CD2	-34.41	0.98	1.35
2	4J	42	HIS	CG-CD2	-34.41	0.98	1.35
2	4R	42	HIS	CG-CD2	-34.41	0.98	1.35
2	5Z	42	HIS	CG-CD2	-34.41	0.98	1.35
2	6F	42	HIS	CG-CD2	-34.41	0.98	1.35
2	6Z	42	HIS	CG-CD2	-34.41	0.98	1.35
2	7J	42	HIS	CG-CD2	-34.41	0.98	1.35
2	7V	42	HIS	CG-CD2	-34.41	0.98	1.35
2	1B	42	HIS	CG-CD2	-34.40	0.98	1.35
2	1J	42	HIS	CG-CD2	-34.40	0.98	1.35
2	2F	42	HIS	CG-CD2	-34.40	0.98	1.35
2	27	42	HIS	CG-CD2	-34.40	0.98	1.35
2	3F	42	HIS	CG-CD2	-34.40	0.98	1.35
2	4B	42	HIS	CG-CD2	-34.40	0.98	1.35
2	4N	42	HIS	CG-CD2	-34.40	0.98	1.35
2	4V	42	HIS	CG-CD2	-34.40	0.98	1.35
2	5R	42	HIS	CG-CD2	-34.40	0.98	1.35
2	6J	42	HIS	CG-CD2	-34.40	0.98	1.35
2	6R	42	HIS	CG-CD2	-34.40	0.98	1.35
2	7N	42	HIS	CG-CD2	-34.40	0.98	1.35
1	1E	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	1M	22	HIS	ND1-CE1	-34.39	0.98	1.32
2	13	42	HIS	CG-CD2	-34.39	0.98	1.35
2	17	42	HIS	CG-CD2	-34.39	0.98	1.35
2	2B	42	HIS	CG-CD2	-34.39	0.98	1.35
1	2I	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	2M	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	22	22	HIS	ND1-CE1	-34.39	0.98	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	3I	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	3M	22	HIS	ND1-CE1	-34.39	0.98	1.32
2	3R	42	HIS	CG-CD2	-34.39	0.98	1.35
2	3V	42	HIS	CG-CD2	-34.39	0.98	1.35
2	3Z	42	HIS	CG-CD2	-34.39	0.98	1.35
1	32	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	36	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	4E	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	4I	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	4Q	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	4Y	22	HIS	ND1-CE1	-34.39	0.98	1.32
2	5F	42	HIS	CG-CD2	-34.39	0.98	1.35
2	5J	42	HIS	CG-CD2	-34.39	0.98	1.35
2	5N	42	HIS	CG-CD2	-34.39	0.98	1.35
1	5U	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	5Y	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	6E	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	6M	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	6U	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	6Y	22	HIS	ND1-CE1	-34.39	0.98	1.32
2	63	42	HIS	CG-CD2	-34.39	0.98	1.35
2	67	42	HIS	CG-CD2	-34.39	0.98	1.35
2	7B	42	HIS	CG-CD2	-34.39	0.98	1.35
1	7E	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	7I	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	7Q	22	HIS	ND1-CE1	-34.39	0.98	1.32
1	7U	22	HIS	ND1-CE1	-34.39	0.98	1.32
2	1R	42	HIS	CG-CD2	-34.38	0.98	1.35
2	1V	42	HIS	CG-CD2	-34.38	0.98	1.35
2	1Z	42	HIS	CG-CD2	-34.38	0.98	1.35
2	2R	42	HIS	CG-CD2	-34.38	0.98	1.35
2	2V	42	HIS	CG-CD2	-34.38	0.98	1.35
2	2Z	42	HIS	CG-CD2	-34.38	0.98	1.35
2	43	42	HIS	CG-CD2	-34.38	0.98	1.35
2	47	42	HIS	CG-CD2	-34.38	0.98	1.35
2	5B	42	HIS	CG-CD2	-34.38	0.98	1.35
2	53	42	HIS	CG-CD2	-34.38	0.98	1.35
2	57	42	HIS	CG-CD2	-34.38	0.98	1.35
2	6B	42	HIS	CG-CD2	-34.38	0.98	1.35
1	1A	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	1I	22	HIS	ND1-CE1	-34.37	0.98	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	26	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	3E	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	4A	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	4M	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	4U	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	5Q	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	6I	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	6Q	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	7M	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	12	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	16	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	2A	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	3Q	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	3U	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	3Y	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	5E	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	5I	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	5M	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	62	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	66	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	7A	22	HIS	ND1-CE1	-34.37	0.98	1.32
1	1Q	145	LEU	C-O	-34.35	0.80	1.24
1	1U	145	LEU	C-O	-34.35	0.80	1.24
1	1Y	145	LEU	C-O	-34.35	0.80	1.24
1	2Q	145	LEU	C-O	-34.35	0.80	1.24
1	2U	145	LEU	C-O	-34.35	0.80	1.24
1	2Y	145	LEU	C-O	-34.35	0.80	1.24
1	42	145	LEU	C-O	-34.35	0.80	1.24
1	46	145	LEU	C-O	-34.35	0.80	1.24
1	5A	145	LEU	C-O	-34.35	0.80	1.24
1	52	145	LEU	C-O	-34.35	0.80	1.24
1	56	145	LEU	C-O	-34.35	0.80	1.24
1	6A	145	LEU	C-O	-34.35	0.80	1.24
1	1A	145	LEU	C-O	-34.33	0.80	1.24
1	1I	145	LEU	C-O	-34.33	0.80	1.24
1	2E	145	LEU	C-O	-34.33	0.80	1.24
1	26	145	LEU	C-O	-34.33	0.80	1.24
1	3E	145	LEU	C-O	-34.33	0.80	1.24
1	4A	145	LEU	C-O	-34.33	0.80	1.24
1	4M	145	LEU	C-O	-34.33	0.80	1.24
1	4U	145	LEU	C-O	-34.33	0.80	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	145	LEU	C-O	-34.33	0.80	1.24
1	6I	145	LEU	C-O	-34.33	0.80	1.24
1	6Q	145	LEU	C-O	-34.33	0.80	1.24
1	7M	145	LEU	C-O	-34.33	0.80	1.24
1	1M	145	LEU	C-O	-34.33	0.80	1.24
1	2I	145	LEU	C-O	-34.33	0.80	1.24
1	3A	145	LEU	C-O	-34.33	0.80	1.24
1	3I	145	LEU	C-O	-34.33	0.80	1.24
1	32	145	LEU	C-O	-34.33	0.80	1.24
1	4E	145	LEU	C-O	-34.33	0.80	1.24
1	4Y	145	LEU	C-O	-34.33	0.80	1.24
1	5U	145	LEU	C-O	-34.33	0.80	1.24
1	6M	145	LEU	C-O	-34.33	0.80	1.24
1	6U	145	LEU	C-O	-34.33	0.80	1.24
1	7E	145	LEU	C-O	-34.33	0.80	1.24
1	7Q	145	LEU	C-O	-34.33	0.80	1.24
1	1E	145	LEU	C-O	-34.30	0.80	1.24
1	2M	145	LEU	C-O	-34.30	0.80	1.24
1	22	145	LEU	C-O	-34.30	0.80	1.24
1	3M	145	LEU	C-O	-34.30	0.80	1.24
1	36	145	LEU	C-O	-34.30	0.80	1.24
1	4I	145	LEU	C-O	-34.30	0.80	1.24
1	4Q	145	LEU	C-O	-34.30	0.80	1.24
1	5Y	145	LEU	C-O	-34.30	0.80	1.24
1	6E	145	LEU	C-O	-34.30	0.80	1.24
1	6Y	145	LEU	C-O	-34.30	0.80	1.24
1	7I	145	LEU	C-O	-34.30	0.80	1.24
1	7U	145	LEU	C-O	-34.30	0.80	1.24
1	1Q	22	HIS	ND1-CE1	-34.30	0.98	1.32
1	1U	22	HIS	ND1-CE1	-34.30	0.98	1.32
1	1Y	22	HIS	ND1-CE1	-34.30	0.98	1.32
1	2Q	22	HIS	ND1-CE1	-34.30	0.98	1.32
1	2U	22	HIS	ND1-CE1	-34.30	0.98	1.32
1	2Y	22	HIS	ND1-CE1	-34.30	0.98	1.32
1	42	22	HIS	ND1-CE1	-34.30	0.98	1.32
1	46	22	HIS	ND1-CE1	-34.30	0.98	1.32
1	5A	22	HIS	ND1-CE1	-34.30	0.98	1.32
1	52	22	HIS	ND1-CE1	-34.30	0.98	1.32
1	56	22	HIS	ND1-CE1	-34.30	0.98	1.32
1	6A	22	HIS	ND1-CE1	-34.30	0.98	1.32
2	13	31	PHE	CE1-CZ	34.29	2.41	1.38
2	17	31	PHE	CE1-CZ	34.29	2.41	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	31	PHE	CE1-CZ	34.29	2.41	1.38
2	3R	31	PHE	CE1-CZ	34.29	2.41	1.38
2	3V	31	PHE	CE1-CZ	34.29	2.41	1.38
2	3Z	31	PHE	CE1-CZ	34.29	2.41	1.38
2	5F	31	PHE	CE1-CZ	34.29	2.41	1.38
2	5J	31	PHE	CE1-CZ	34.29	2.41	1.38
2	5N	31	PHE	CE1-CZ	34.29	2.41	1.38
2	63	31	PHE	CE1-CZ	34.29	2.41	1.38
2	67	31	PHE	CE1-CZ	34.29	2.41	1.38
2	7B	31	PHE	CE1-CZ	34.29	2.41	1.38
2	1B	31	PHE	CE1-CZ	34.28	2.41	1.38
2	1J	31	PHE	CE1-CZ	34.28	2.41	1.38
1	12	145	LEU	C-O	-34.28	0.80	1.24
1	16	145	LEU	C-O	-34.28	0.80	1.24
1	2A	145	LEU	C-O	-34.28	0.80	1.24
2	2F	31	PHE	CE1-CZ	34.28	2.41	1.38
2	27	31	PHE	CE1-CZ	34.28	2.41	1.38
2	3F	31	PHE	CE1-CZ	34.28	2.41	1.38
1	3Q	145	LEU	C-O	-34.28	0.80	1.24
1	3U	145	LEU	C-O	-34.28	0.80	1.24
1	3Y	145	LEU	C-O	-34.28	0.80	1.24
2	4B	31	PHE	CE1-CZ	34.28	2.41	1.38
2	4N	31	PHE	CE1-CZ	34.28	2.41	1.38
2	4V	31	PHE	CE1-CZ	34.28	2.41	1.38
1	5E	145	LEU	C-O	-34.28	0.80	1.24
1	5I	145	LEU	C-O	-34.28	0.80	1.24
1	5M	145	LEU	C-O	-34.28	0.80	1.24
2	5R	31	PHE	CE1-CZ	34.28	2.41	1.38
2	6J	31	PHE	CE1-CZ	34.28	2.41	1.38
2	6R	31	PHE	CE1-CZ	34.28	2.41	1.38
1	62	145	LEU	C-O	-34.28	0.80	1.24
1	66	145	LEU	C-O	-34.28	0.80	1.24
1	7A	145	LEU	C-O	-34.28	0.80	1.24
2	7N	31	PHE	CE1-CZ	34.28	2.41	1.38
2	1F	31	PHE	CE1-CZ	34.27	2.41	1.38
2	2N	31	PHE	CE1-CZ	34.27	2.41	1.38
2	23	31	PHE	CE1-CZ	34.27	2.41	1.38
2	3N	31	PHE	CE1-CZ	34.27	2.41	1.38
2	37	31	PHE	CE1-CZ	34.27	2.41	1.38
2	4J	31	PHE	CE1-CZ	34.27	2.41	1.38
2	4R	31	PHE	CE1-CZ	34.27	2.41	1.38
2	5Z	31	PHE	CE1-CZ	34.27	2.41	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	31	PHE	CE1-CZ	34.27	2.41	1.38
2	6Z	31	PHE	CE1-CZ	34.27	2.41	1.38
2	7J	31	PHE	CE1-CZ	34.27	2.41	1.38
2	7V	31	PHE	CE1-CZ	34.27	2.41	1.38
1	12	82	ARG	NE-CZ	34.27	1.70	1.33
1	16	82	ARG	NE-CZ	34.27	1.70	1.33
1	2A	82	ARG	NE-CZ	34.27	1.70	1.33
1	3Q	82	ARG	NE-CZ	34.27	1.70	1.33
1	3U	82	ARG	NE-CZ	34.27	1.70	1.33
1	3Y	82	ARG	NE-CZ	34.27	1.70	1.33
1	5E	82	ARG	NE-CZ	34.27	1.70	1.33
1	5I	82	ARG	NE-CZ	34.27	1.70	1.33
1	5M	82	ARG	NE-CZ	34.27	1.70	1.33
1	62	82	ARG	NE-CZ	34.27	1.70	1.33
1	66	82	ARG	NE-CZ	34.27	1.70	1.33
1	7A	82	ARG	NE-CZ	34.27	1.70	1.33
2	1N	31	PHE	CE1-CZ	34.26	2.41	1.38
2	2J	31	PHE	CE1-CZ	34.26	2.41	1.38
2	3B	31	PHE	CE1-CZ	34.26	2.41	1.38
2	3J	31	PHE	CE1-CZ	34.26	2.41	1.38
2	33	31	PHE	CE1-CZ	34.26	2.41	1.38
2	4F	31	PHE	CE1-CZ	34.26	2.41	1.38
2	4Z	31	PHE	CE1-CZ	34.26	2.41	1.38
2	5V	31	PHE	CE1-CZ	34.26	2.41	1.38
2	6N	31	PHE	CE1-CZ	34.26	2.41	1.38
2	6V	31	PHE	CE1-CZ	34.26	2.41	1.38
2	7F	31	PHE	CE1-CZ	34.26	2.41	1.38
2	7R	31	PHE	CE1-CZ	34.26	2.41	1.38
2	1R	31	PHE	CE1-CZ	34.25	2.41	1.38
2	1V	31	PHE	CE1-CZ	34.25	2.41	1.38
2	1Z	31	PHE	CE1-CZ	34.25	2.41	1.38
2	2R	31	PHE	CE1-CZ	34.25	2.41	1.38
2	2V	31	PHE	CE1-CZ	34.25	2.41	1.38
2	2Z	31	PHE	CE1-CZ	34.25	2.41	1.38
2	43	31	PHE	CE1-CZ	34.25	2.41	1.38
2	47	31	PHE	CE1-CZ	34.25	2.41	1.38
2	5B	31	PHE	CE1-CZ	34.25	2.41	1.38
2	53	31	PHE	CE1-CZ	34.25	2.41	1.38
2	57	31	PHE	CE1-CZ	34.25	2.41	1.38
2	6B	31	PHE	CE1-CZ	34.25	2.41	1.38
1	1M	82	ARG	NE-CZ	34.25	1.70	1.33
1	2I	82	ARG	NE-CZ	34.25	1.70	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	82	ARG	NE-CZ	34.25	1.70	1.33
1	3I	82	ARG	NE-CZ	34.25	1.70	1.33
1	32	82	ARG	NE-CZ	34.25	1.70	1.33
1	4E	82	ARG	NE-CZ	34.25	1.70	1.33
1	4Y	82	ARG	NE-CZ	34.25	1.70	1.33
1	5U	82	ARG	NE-CZ	34.25	1.70	1.33
1	6M	82	ARG	NE-CZ	34.25	1.70	1.33
1	6U	82	ARG	NE-CZ	34.25	1.70	1.33
1	7E	82	ARG	NE-CZ	34.25	1.70	1.33
1	7Q	82	ARG	NE-CZ	34.25	1.70	1.33
1	1Q	82	ARG	NE-CZ	34.21	1.70	1.33
1	1U	82	ARG	NE-CZ	34.21	1.70	1.33
1	1Y	82	ARG	NE-CZ	34.21	1.70	1.33
1	2Q	82	ARG	NE-CZ	34.21	1.70	1.33
1	2U	82	ARG	NE-CZ	34.21	1.70	1.33
1	2Y	82	ARG	NE-CZ	34.21	1.70	1.33
1	42	82	ARG	NE-CZ	34.21	1.70	1.33
1	46	82	ARG	NE-CZ	34.21	1.70	1.33
1	5A	82	ARG	NE-CZ	34.21	1.70	1.33
1	52	82	ARG	NE-CZ	34.21	1.70	1.33
1	56	82	ARG	NE-CZ	34.21	1.70	1.33
1	6A	82	ARG	NE-CZ	34.21	1.70	1.33
1	1A	82	ARG	NE-CZ	34.20	1.70	1.33
1	1I	82	ARG	NE-CZ	34.20	1.70	1.33
1	2E	82	ARG	NE-CZ	34.20	1.70	1.33
1	26	82	ARG	NE-CZ	34.20	1.70	1.33
1	3E	82	ARG	NE-CZ	34.20	1.70	1.33
1	4A	82	ARG	NE-CZ	34.20	1.70	1.33
1	4M	82	ARG	NE-CZ	34.20	1.70	1.33
1	4U	82	ARG	NE-CZ	34.20	1.70	1.33
1	5Q	82	ARG	NE-CZ	34.20	1.70	1.33
1	6I	82	ARG	NE-CZ	34.20	1.70	1.33
1	6Q	82	ARG	NE-CZ	34.20	1.70	1.33
1	7M	82	ARG	NE-CZ	34.20	1.70	1.33
1	1E	82	ARG	NE-CZ	34.19	1.70	1.33
1	2M	82	ARG	NE-CZ	34.19	1.70	1.33
1	22	82	ARG	NE-CZ	34.19	1.70	1.33
1	3M	82	ARG	NE-CZ	34.19	1.70	1.33
1	36	82	ARG	NE-CZ	34.19	1.70	1.33
1	4I	82	ARG	NE-CZ	34.19	1.70	1.33
1	4Q	82	ARG	NE-CZ	34.19	1.70	1.33
1	5Y	82	ARG	NE-CZ	34.19	1.70	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	82	ARG	NE-CZ	34.19	1.70	1.33
1	6Y	82	ARG	NE-CZ	34.19	1.70	1.33
1	7I	82	ARG	NE-CZ	34.19	1.70	1.33
1	7U	82	ARG	NE-CZ	34.19	1.70	1.33
2	1B	24	PRO	CA-CB	-34.13	1.05	1.53
2	1J	24	PRO	CA-CB	-34.13	1.05	1.53
2	2F	24	PRO	CA-CB	-34.13	1.05	1.53
2	27	24	PRO	CA-CB	-34.13	1.05	1.53
2	3F	24	PRO	CA-CB	-34.13	1.05	1.53
2	4B	24	PRO	CA-CB	-34.13	1.05	1.53
2	4N	24	PRO	CA-CB	-34.13	1.05	1.53
2	4V	24	PRO	CA-CB	-34.13	1.05	1.53
2	5R	24	PRO	CA-CB	-34.13	1.05	1.53
2	6J	24	PRO	CA-CB	-34.13	1.05	1.53
2	6R	24	PRO	CA-CB	-34.13	1.05	1.53
2	7N	24	PRO	CA-CB	-34.13	1.05	1.53
2	1N	24	PRO	CA-CB	-34.12	1.05	1.53
2	2J	24	PRO	CA-CB	-34.12	1.05	1.53
2	3B	24	PRO	CA-CB	-34.12	1.05	1.53
2	3J	24	PRO	CA-CB	-34.12	1.05	1.53
2	33	24	PRO	CA-CB	-34.12	1.05	1.53
2	4F	24	PRO	CA-CB	-34.12	1.05	1.53
2	4Z	24	PRO	CA-CB	-34.12	1.05	1.53
2	5V	24	PRO	CA-CB	-34.12	1.05	1.53
2	6N	24	PRO	CA-CB	-34.12	1.05	1.53
2	6V	24	PRO	CA-CB	-34.12	1.05	1.53
2	7F	24	PRO	CA-CB	-34.12	1.05	1.53
2	7R	24	PRO	CA-CB	-34.12	1.05	1.53
2	13	24	PRO	CA-CB	-34.11	1.05	1.53
2	17	24	PRO	CA-CB	-34.11	1.05	1.53
2	2B	24	PRO	CA-CB	-34.11	1.05	1.53
2	3R	24	PRO	CA-CB	-34.11	1.05	1.53
2	3V	24	PRO	CA-CB	-34.11	1.05	1.53
2	3Z	24	PRO	CA-CB	-34.11	1.05	1.53
2	5F	24	PRO	CA-CB	-34.11	1.05	1.53
2	5J	24	PRO	CA-CB	-34.11	1.05	1.53
2	5N	24	PRO	CA-CB	-34.11	1.05	1.53
2	63	24	PRO	CA-CB	-34.11	1.05	1.53
2	67	24	PRO	CA-CB	-34.11	1.05	1.53
2	7B	24	PRO	CA-CB	-34.11	1.05	1.53
1	1E	166	MET	C-O	-34.10	0.82	1.23
1	2M	166	MET	C-O	-34.10	0.82	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	166	MET	C-O	-34.10	0.82	1.23
1	3M	166	MET	C-O	-34.10	0.82	1.23
1	36	166	MET	C-O	-34.10	0.82	1.23
1	4I	166	MET	C-O	-34.10	0.82	1.23
1	4Q	166	MET	C-O	-34.10	0.82	1.23
1	5Y	166	MET	C-O	-34.10	0.82	1.23
1	6E	166	MET	C-O	-34.10	0.82	1.23
1	6Y	166	MET	C-O	-34.10	0.82	1.23
1	7I	166	MET	C-O	-34.10	0.82	1.23
1	7U	166	MET	C-O	-34.10	0.82	1.23
1	1M	166	MET	C-O	-34.10	0.82	1.23
1	2I	166	MET	C-O	-34.10	0.82	1.23
1	3A	166	MET	C-O	-34.10	0.82	1.23
1	3I	166	MET	C-O	-34.10	0.82	1.23
1	32	166	MET	C-O	-34.10	0.82	1.23
1	4E	166	MET	C-O	-34.10	0.82	1.23
1	4Y	166	MET	C-O	-34.10	0.82	1.23
1	5U	166	MET	C-O	-34.10	0.82	1.23
1	6M	166	MET	C-O	-34.10	0.82	1.23
1	6U	166	MET	C-O	-34.10	0.82	1.23
1	7E	166	MET	C-O	-34.10	0.82	1.23
1	7Q	166	MET	C-O	-34.10	0.82	1.23
1	1A	166	MET	C-O	-34.09	0.82	1.23
1	1I	166	MET	C-O	-34.09	0.82	1.23
2	1R	24	PRO	CA-CB	-34.09	1.05	1.53
2	1V	24	PRO	CA-CB	-34.09	1.05	1.53
2	1Z	24	PRO	CA-CB	-34.09	1.05	1.53
1	2E	166	MET	C-O	-34.09	0.82	1.23
2	2R	24	PRO	CA-CB	-34.09	1.05	1.53
2	2V	24	PRO	CA-CB	-34.09	1.05	1.53
2	2Z	24	PRO	CA-CB	-34.09	1.05	1.53
1	26	166	MET	C-O	-34.09	0.82	1.23
1	3E	166	MET	C-O	-34.09	0.82	1.23
1	4A	166	MET	C-O	-34.09	0.82	1.23
1	4M	166	MET	C-O	-34.09	0.82	1.23
1	4U	166	MET	C-O	-34.09	0.82	1.23
2	43	24	PRO	CA-CB	-34.09	1.05	1.53
2	47	24	PRO	CA-CB	-34.09	1.05	1.53
2	5B	24	PRO	CA-CB	-34.09	1.05	1.53
1	5Q	166	MET	C-O	-34.09	0.82	1.23
2	53	24	PRO	CA-CB	-34.09	1.05	1.53
2	57	24	PRO	CA-CB	-34.09	1.05	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	24	PRO	CA-CB	-34.09	1.05	1.53
1	6I	166	MET	C-O	-34.09	0.82	1.23
1	6Q	166	MET	C-O	-34.09	0.82	1.23
1	7M	166	MET	C-O	-34.09	0.82	1.23
2	1F	24	PRO	CA-CB	-34.08	1.05	1.53
2	2N	24	PRO	CA-CB	-34.08	1.05	1.53
2	23	24	PRO	CA-CB	-34.08	1.05	1.53
2	3N	24	PRO	CA-CB	-34.08	1.05	1.53
2	37	24	PRO	CA-CB	-34.08	1.05	1.53
2	4J	24	PRO	CA-CB	-34.08	1.05	1.53
2	4R	24	PRO	CA-CB	-34.08	1.05	1.53
2	5Z	24	PRO	CA-CB	-34.08	1.05	1.53
2	6F	24	PRO	CA-CB	-34.08	1.05	1.53
2	6Z	24	PRO	CA-CB	-34.08	1.05	1.53
2	7J	24	PRO	CA-CB	-34.08	1.05	1.53
2	7V	24	PRO	CA-CB	-34.08	1.05	1.53
1	1Q	166	MET	C-O	-34.08	0.82	1.23
1	1U	166	MET	C-O	-34.08	0.82	1.23
1	1Y	166	MET	C-O	-34.08	0.82	1.23
1	2Q	166	MET	C-O	-34.08	0.82	1.23
1	2U	166	MET	C-O	-34.08	0.82	1.23
1	2Y	166	MET	C-O	-34.08	0.82	1.23
1	42	166	MET	C-O	-34.08	0.82	1.23
1	46	166	MET	C-O	-34.08	0.82	1.23
1	5A	166	MET	C-O	-34.08	0.82	1.23
1	52	166	MET	C-O	-34.08	0.82	1.23
1	56	166	MET	C-O	-34.08	0.82	1.23
1	6A	166	MET	C-O	-34.08	0.82	1.23
2	1R	70	TRP	CD2-CE2	34.03	1.99	1.41
2	1V	70	TRP	CD2-CE2	34.03	1.99	1.41
2	1Z	70	TRP	CD2-CE2	34.03	1.99	1.41
2	2R	70	TRP	CD2-CE2	34.03	1.99	1.41
2	2V	70	TRP	CD2-CE2	34.03	1.99	1.41
2	2Z	70	TRP	CD2-CE2	34.03	1.99	1.41
2	43	70	TRP	CD2-CE2	34.03	1.99	1.41
2	47	70	TRP	CD2-CE2	34.03	1.99	1.41
2	5B	70	TRP	CD2-CE2	34.03	1.99	1.41
2	53	70	TRP	CD2-CE2	34.03	1.99	1.41
2	57	70	TRP	CD2-CE2	34.03	1.99	1.41
2	6B	70	TRP	CD2-CE2	34.03	1.99	1.41
2	1F	70	TRP	NE1-CE2	-34.01	1.00	1.37
2	2N	70	TRP	NE1-CE2	-34.01	1.00	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	70	TRP	NE1-CE2	-34.01	1.00	1.37
2	3N	70	TRP	NE1-CE2	-34.01	1.00	1.37
2	37	70	TRP	NE1-CE2	-34.01	1.00	1.37
2	4J	70	TRP	NE1-CE2	-34.01	1.00	1.37
2	4R	70	TRP	NE1-CE2	-34.01	1.00	1.37
2	5Z	70	TRP	NE1-CE2	-34.01	1.00	1.37
2	6F	70	TRP	NE1-CE2	-34.01	1.00	1.37
2	6Z	70	TRP	NE1-CE2	-34.01	1.00	1.37
2	7J	70	TRP	NE1-CE2	-34.01	1.00	1.37
2	7V	70	TRP	NE1-CE2	-34.01	1.00	1.37
2	13	70	TRP	CD2-CE2	34.01	1.99	1.41
2	17	70	TRP	CD2-CE2	34.01	1.99	1.41
2	2B	70	TRP	CD2-CE2	34.01	1.99	1.41
2	3R	70	TRP	CD2-CE2	34.01	1.99	1.41
2	3V	70	TRP	CD2-CE2	34.01	1.99	1.41
2	3Z	70	TRP	CD2-CE2	34.01	1.99	1.41
2	5F	70	TRP	CD2-CE2	34.01	1.99	1.41
2	5J	70	TRP	CD2-CE2	34.01	1.99	1.41
2	5N	70	TRP	CD2-CE2	34.01	1.99	1.41
2	63	70	TRP	CD2-CE2	34.01	1.99	1.41
2	67	70	TRP	CD2-CE2	34.01	1.99	1.41
2	7B	70	TRP	CD2-CE2	34.01	1.99	1.41
2	1B	70	TRP	CD2-CE2	34.00	1.99	1.41
2	1J	70	TRP	CD2-CE2	34.00	1.99	1.41
1	12	166	MET	C-O	-34.00	0.82	1.23
1	16	166	MET	C-O	-34.00	0.82	1.23
1	2A	166	MET	C-O	-34.00	0.82	1.23
2	2F	70	TRP	CD2-CE2	34.00	1.99	1.41
2	27	70	TRP	CD2-CE2	34.00	1.99	1.41
2	3F	70	TRP	CD2-CE2	34.00	1.99	1.41
1	3Q	166	MET	C-O	-34.00	0.82	1.23
1	3U	166	MET	C-O	-34.00	0.82	1.23
1	3Y	166	MET	C-O	-34.00	0.82	1.23
2	4B	70	TRP	CD2-CE2	34.00	1.99	1.41
2	4N	70	TRP	CD2-CE2	34.00	1.99	1.41
2	4V	70	TRP	CD2-CE2	34.00	1.99	1.41
1	5E	166	MET	C-O	-34.00	0.82	1.23
1	5I	166	MET	C-O	-34.00	0.82	1.23
1	5M	166	MET	C-O	-34.00	0.82	1.23
2	5R	70	TRP	CD2-CE2	34.00	1.99	1.41
2	6J	70	TRP	CD2-CE2	34.00	1.99	1.41
2	6R	70	TRP	CD2-CE2	34.00	1.99	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	62	166	MET	C-O	-34.00	0.82	1.23
1	66	166	MET	C-O	-34.00	0.82	1.23
1	7A	166	MET	C-O	-34.00	0.82	1.23
2	7N	70	TRP	CD2-CE2	34.00	1.99	1.41
2	1F	70	TRP	CD2-CE2	33.98	1.99	1.41
2	1R	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	1V	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	1Z	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	2N	70	TRP	CD2-CE2	33.98	1.99	1.41
2	2R	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	2V	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	2Z	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	23	70	TRP	CD2-CE2	33.98	1.99	1.41
2	3N	70	TRP	CD2-CE2	33.98	1.99	1.41
2	37	70	TRP	CD2-CE2	33.98	1.99	1.41
2	4J	70	TRP	CD2-CE2	33.98	1.99	1.41
2	4R	70	TRP	CD2-CE2	33.98	1.99	1.41
2	43	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	47	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	5B	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	5Z	70	TRP	CD2-CE2	33.98	1.99	1.41
2	53	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	57	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	6B	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	6F	70	TRP	CD2-CE2	33.98	1.99	1.41
2	6Z	70	TRP	CD2-CE2	33.98	1.99	1.41
2	7J	70	TRP	CD2-CE2	33.98	1.99	1.41
2	7V	70	TRP	CD2-CE2	33.98	1.99	1.41
2	1B	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	1J	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	2F	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	27	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	3F	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	4B	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	4N	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	4V	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	5R	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	6J	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	6R	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	7N	70	TRP	NE1-CE2	-33.98	1.00	1.37
2	1N	70	TRP	CD2-CE2	33.97	1.99	1.41
2	2J	70	TRP	CD2-CE2	33.97	1.99	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	70	TRP	CD2-CE2	33.97	1.99	1.41
2	3J	70	TRP	CD2-CE2	33.97	1.99	1.41
2	33	70	TRP	CD2-CE2	33.97	1.99	1.41
2	4F	70	TRP	CD2-CE2	33.97	1.99	1.41
2	4Z	70	TRP	CD2-CE2	33.97	1.99	1.41
2	5V	70	TRP	CD2-CE2	33.97	1.99	1.41
2	6N	70	TRP	CD2-CE2	33.97	1.99	1.41
2	6V	70	TRP	CD2-CE2	33.97	1.99	1.41
2	7F	70	TRP	CD2-CE2	33.97	1.99	1.41
2	7R	70	TRP	CD2-CE2	33.97	1.99	1.41
2	13	70	TRP	NE1-CE2	-33.96	1.00	1.37
2	17	70	TRP	NE1-CE2	-33.96	1.00	1.37
2	2B	70	TRP	NE1-CE2	-33.96	1.00	1.37
2	3R	70	TRP	NE1-CE2	-33.96	1.00	1.37
2	3V	70	TRP	NE1-CE2	-33.96	1.00	1.37
2	3Z	70	TRP	NE1-CE2	-33.96	1.00	1.37
2	5F	70	TRP	NE1-CE2	-33.96	1.00	1.37
2	5J	70	TRP	NE1-CE2	-33.96	1.00	1.37
2	5N	70	TRP	NE1-CE2	-33.96	1.00	1.37
2	63	70	TRP	NE1-CE2	-33.96	1.00	1.37
2	67	70	TRP	NE1-CE2	-33.96	1.00	1.37
2	7B	70	TRP	NE1-CE2	-33.96	1.00	1.37
2	1N	70	TRP	NE1-CE2	-33.93	1.00	1.37
2	2J	70	TRP	NE1-CE2	-33.93	1.00	1.37
2	3B	70	TRP	NE1-CE2	-33.93	1.00	1.37
2	3J	70	TRP	NE1-CE2	-33.93	1.00	1.37
2	33	70	TRP	NE1-CE2	-33.93	1.00	1.37
2	4F	70	TRP	NE1-CE2	-33.93	1.00	1.37
2	4Z	70	TRP	NE1-CE2	-33.93	1.00	1.37
2	5V	70	TRP	NE1-CE2	-33.93	1.00	1.37
2	6N	70	TRP	NE1-CE2	-33.93	1.00	1.37
2	6V	70	TRP	NE1-CE2	-33.93	1.00	1.37
2	7F	70	TRP	NE1-CE2	-33.93	1.00	1.37
2	7R	70	TRP	NE1-CE2	-33.93	1.00	1.37
2	1B	218	ARG	NE-CZ	33.48	1.69	1.33
2	1J	218	ARG	NE-CZ	33.48	1.69	1.33
2	2F	218	ARG	NE-CZ	33.48	1.69	1.33
2	27	218	ARG	NE-CZ	33.48	1.69	1.33
2	3F	218	ARG	NE-CZ	33.48	1.69	1.33
2	4B	218	ARG	NE-CZ	33.48	1.69	1.33
2	4N	218	ARG	NE-CZ	33.48	1.69	1.33
2	4V	218	ARG	NE-CZ	33.48	1.69	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	218	ARG	NE-CZ	33.48	1.69	1.33
2	6J	218	ARG	NE-CZ	33.48	1.69	1.33
2	6R	218	ARG	NE-CZ	33.48	1.69	1.33
2	7N	218	ARG	NE-CZ	33.48	1.69	1.33
1	1M	19	SER	CA-CB	33.46	2.02	1.53
1	2I	19	SER	CA-CB	33.46	2.02	1.53
1	3A	19	SER	CA-CB	33.46	2.02	1.53
1	3I	19	SER	CA-CB	33.46	2.02	1.53
1	32	19	SER	CA-CB	33.46	2.02	1.53
1	4E	19	SER	CA-CB	33.46	2.02	1.53
1	4Y	19	SER	CA-CB	33.46	2.02	1.53
1	5U	19	SER	CA-CB	33.46	2.02	1.53
1	6M	19	SER	CA-CB	33.46	2.02	1.53
1	6U	19	SER	CA-CB	33.46	2.02	1.53
1	7E	19	SER	CA-CB	33.46	2.02	1.53
1	7Q	19	SER	CA-CB	33.46	2.02	1.53
2	13	45	ALA	CA-C	33.45	1.97	1.52
2	13	218	ARG	NE-CZ	33.45	1.69	1.33
2	17	45	ALA	CA-C	33.45	1.97	1.52
2	17	218	ARG	NE-CZ	33.45	1.69	1.33
2	2B	45	ALA	CA-C	33.45	1.97	1.52
2	2B	218	ARG	NE-CZ	33.45	1.69	1.33
2	3R	45	ALA	CA-C	33.45	1.97	1.52
2	3R	218	ARG	NE-CZ	33.45	1.69	1.33
2	3V	45	ALA	CA-C	33.45	1.97	1.52
2	3V	218	ARG	NE-CZ	33.45	1.69	1.33
2	3Z	45	ALA	CA-C	33.45	1.97	1.52
2	3Z	218	ARG	NE-CZ	33.45	1.69	1.33
2	5F	45	ALA	CA-C	33.45	1.97	1.52
2	5F	218	ARG	NE-CZ	33.45	1.69	1.33
2	5J	45	ALA	CA-C	33.45	1.97	1.52
2	5J	218	ARG	NE-CZ	33.45	1.69	1.33
2	5N	45	ALA	CA-C	33.45	1.97	1.52
2	5N	218	ARG	NE-CZ	33.45	1.69	1.33
2	63	45	ALA	CA-C	33.45	1.97	1.52
2	63	218	ARG	NE-CZ	33.45	1.69	1.33
2	67	45	ALA	CA-C	33.45	1.97	1.52
2	67	218	ARG	NE-CZ	33.45	1.69	1.33
2	7B	45	ALA	CA-C	33.45	1.97	1.52
2	7B	218	ARG	NE-CZ	33.45	1.69	1.33
1	1A	19	SER	CA-CB	33.44	2.02	1.53
1	1I	19	SER	CA-CB	33.44	2.02	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	19	SER	CA-CB	33.44	2.02	1.53
1	26	19	SER	CA-CB	33.44	2.02	1.53
1	3E	19	SER	CA-CB	33.44	2.02	1.53
1	4A	19	SER	CA-CB	33.44	2.02	1.53
1	4M	19	SER	CA-CB	33.44	2.02	1.53
1	4U	19	SER	CA-CB	33.44	2.02	1.53
1	5Q	19	SER	CA-CB	33.44	2.02	1.53
1	6I	19	SER	CA-CB	33.44	2.02	1.53
1	6Q	19	SER	CA-CB	33.44	2.02	1.53
1	7M	19	SER	CA-CB	33.44	2.02	1.53
1	1E	19	SER	CA-CB	33.43	2.02	1.53
1	2M	19	SER	CA-CB	33.43	2.02	1.53
1	22	19	SER	CA-CB	33.43	2.02	1.53
1	3M	19	SER	CA-CB	33.43	2.02	1.53
1	36	19	SER	CA-CB	33.43	2.02	1.53
1	4I	19	SER	CA-CB	33.43	2.02	1.53
1	4Q	19	SER	CA-CB	33.43	2.02	1.53
1	5Y	19	SER	CA-CB	33.43	2.02	1.53
1	6E	19	SER	CA-CB	33.43	2.02	1.53
1	6Y	19	SER	CA-CB	33.43	2.02	1.53
1	7I	19	SER	CA-CB	33.43	2.02	1.53
1	7U	19	SER	CA-CB	33.43	2.02	1.53
2	1B	45	ALA	CA-C	33.42	1.97	1.52
2	1J	45	ALA	CA-C	33.42	1.97	1.52
2	2F	45	ALA	CA-C	33.42	1.97	1.52
2	27	45	ALA	CA-C	33.42	1.97	1.52
2	3F	45	ALA	CA-C	33.42	1.97	1.52
2	4B	45	ALA	CA-C	33.42	1.97	1.52
2	4N	45	ALA	CA-C	33.42	1.97	1.52
2	4V	45	ALA	CA-C	33.42	1.97	1.52
2	5R	45	ALA	CA-C	33.42	1.97	1.52
2	6J	45	ALA	CA-C	33.42	1.97	1.52
2	6R	45	ALA	CA-C	33.42	1.97	1.52
2	7N	45	ALA	CA-C	33.42	1.97	1.52
2	1F	218	ARG	NE-CZ	33.42	1.69	1.33
2	2N	218	ARG	NE-CZ	33.42	1.69	1.33
2	23	218	ARG	NE-CZ	33.42	1.69	1.33
2	3N	218	ARG	NE-CZ	33.42	1.69	1.33
2	37	218	ARG	NE-CZ	33.42	1.69	1.33
2	4J	218	ARG	NE-CZ	33.42	1.69	1.33
2	4R	218	ARG	NE-CZ	33.42	1.69	1.33
2	5Z	218	ARG	NE-CZ	33.42	1.69	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	218	ARG	NE-CZ	33.42	1.69	1.33
2	6Z	218	ARG	NE-CZ	33.42	1.69	1.33
2	7J	218	ARG	NE-CZ	33.42	1.69	1.33
2	7V	218	ARG	NE-CZ	33.42	1.69	1.33
2	1R	218	ARG	NE-CZ	33.42	1.69	1.33
2	1V	218	ARG	NE-CZ	33.42	1.69	1.33
2	1Z	218	ARG	NE-CZ	33.42	1.69	1.33
2	2R	218	ARG	NE-CZ	33.42	1.69	1.33
2	2V	218	ARG	NE-CZ	33.42	1.69	1.33
2	2Z	218	ARG	NE-CZ	33.42	1.69	1.33
2	43	218	ARG	NE-CZ	33.42	1.69	1.33
2	47	218	ARG	NE-CZ	33.42	1.69	1.33
2	5B	218	ARG	NE-CZ	33.42	1.69	1.33
2	53	218	ARG	NE-CZ	33.42	1.69	1.33
2	57	218	ARG	NE-CZ	33.42	1.69	1.33
2	6B	218	ARG	NE-CZ	33.42	1.69	1.33
2	1N	218	ARG	NE-CZ	33.41	1.69	1.33
2	2J	218	ARG	NE-CZ	33.41	1.69	1.33
2	3B	218	ARG	NE-CZ	33.41	1.69	1.33
2	3J	218	ARG	NE-CZ	33.41	1.69	1.33
2	33	218	ARG	NE-CZ	33.41	1.69	1.33
2	4F	218	ARG	NE-CZ	33.41	1.69	1.33
2	4Z	218	ARG	NE-CZ	33.41	1.69	1.33
2	5V	218	ARG	NE-CZ	33.41	1.69	1.33
2	6N	218	ARG	NE-CZ	33.41	1.69	1.33
2	6V	218	ARG	NE-CZ	33.41	1.69	1.33
2	7F	218	ARG	NE-CZ	33.41	1.69	1.33
2	7R	218	ARG	NE-CZ	33.41	1.69	1.33
2	1F	45	ALA	CA-C	33.41	1.97	1.52
2	2N	45	ALA	CA-C	33.41	1.97	1.52
2	23	45	ALA	CA-C	33.41	1.97	1.52
2	3N	45	ALA	CA-C	33.41	1.97	1.52
2	37	45	ALA	CA-C	33.41	1.97	1.52
2	4J	45	ALA	CA-C	33.41	1.97	1.52
2	4R	45	ALA	CA-C	33.41	1.97	1.52
2	5Z	45	ALA	CA-C	33.41	1.97	1.52
2	6F	45	ALA	CA-C	33.41	1.97	1.52
2	6Z	45	ALA	CA-C	33.41	1.97	1.52
2	7J	45	ALA	CA-C	33.41	1.97	1.52
2	7V	45	ALA	CA-C	33.41	1.97	1.52
2	1R	45	ALA	CA-C	33.40	1.97	1.52
2	1V	45	ALA	CA-C	33.40	1.97	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	45	ALA	CA-C	33.40	1.97	1.52
2	2R	45	ALA	CA-C	33.40	1.97	1.52
2	2V	45	ALA	CA-C	33.40	1.97	1.52
2	2Z	45	ALA	CA-C	33.40	1.97	1.52
2	43	45	ALA	CA-C	33.40	1.97	1.52
2	47	45	ALA	CA-C	33.40	1.97	1.52
2	5B	45	ALA	CA-C	33.40	1.97	1.52
2	53	45	ALA	CA-C	33.40	1.97	1.52
2	57	45	ALA	CA-C	33.40	1.97	1.52
2	6B	45	ALA	CA-C	33.40	1.97	1.52
1	12	19	SER	CA-CB	33.40	2.02	1.53
1	16	19	SER	CA-CB	33.40	2.02	1.53
1	2A	19	SER	CA-CB	33.40	2.02	1.53
1	3Q	19	SER	CA-CB	33.40	2.02	1.53
1	3U	19	SER	CA-CB	33.40	2.02	1.53
1	3Y	19	SER	CA-CB	33.40	2.02	1.53
1	5E	19	SER	CA-CB	33.40	2.02	1.53
1	5I	19	SER	CA-CB	33.40	2.02	1.53
1	5M	19	SER	CA-CB	33.40	2.02	1.53
1	62	19	SER	CA-CB	33.40	2.02	1.53
1	66	19	SER	CA-CB	33.40	2.02	1.53
1	7A	19	SER	CA-CB	33.40	2.02	1.53
1	1M	22	HIS	CD2-NE2	33.39	1.74	1.37
1	1Q	19	SER	CA-CB	33.39	2.02	1.53
1	1U	19	SER	CA-CB	33.39	2.02	1.53
1	1Y	19	SER	CA-CB	33.39	2.02	1.53
1	2I	22	HIS	CD2-NE2	33.39	1.74	1.37
1	2Q	19	SER	CA-CB	33.39	2.02	1.53
1	2U	19	SER	CA-CB	33.39	2.02	1.53
1	2Y	19	SER	CA-CB	33.39	2.02	1.53
1	3A	22	HIS	CD2-NE2	33.39	1.74	1.37
1	3I	22	HIS	CD2-NE2	33.39	1.74	1.37
1	32	22	HIS	CD2-NE2	33.39	1.74	1.37
1	4E	22	HIS	CD2-NE2	33.39	1.74	1.37
1	4Y	22	HIS	CD2-NE2	33.39	1.74	1.37
1	42	19	SER	CA-CB	33.39	2.02	1.53
1	46	19	SER	CA-CB	33.39	2.02	1.53
1	5A	19	SER	CA-CB	33.39	2.02	1.53
1	5U	22	HIS	CD2-NE2	33.39	1.74	1.37
1	52	19	SER	CA-CB	33.39	2.02	1.53
1	56	19	SER	CA-CB	33.39	2.02	1.53
1	6A	19	SER	CA-CB	33.39	2.02	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	22	HIS	CD2-NE2	33.39	1.74	1.37
1	6U	22	HIS	CD2-NE2	33.39	1.74	1.37
1	7E	22	HIS	CD2-NE2	33.39	1.74	1.37
1	7Q	22	HIS	CD2-NE2	33.39	1.74	1.37
2	1N	45	ALA	CA-C	33.38	1.97	1.52
2	2J	45	ALA	CA-C	33.38	1.97	1.52
2	3B	45	ALA	CA-C	33.38	1.97	1.52
2	3J	45	ALA	CA-C	33.38	1.97	1.52
2	33	45	ALA	CA-C	33.38	1.97	1.52
2	4F	45	ALA	CA-C	33.38	1.97	1.52
2	4Z	45	ALA	CA-C	33.38	1.97	1.52
2	5V	45	ALA	CA-C	33.38	1.97	1.52
2	6N	45	ALA	CA-C	33.38	1.97	1.52
2	6V	45	ALA	CA-C	33.38	1.97	1.52
2	7F	45	ALA	CA-C	33.38	1.97	1.52
2	7R	45	ALA	CA-C	33.38	1.97	1.52
1	1A	19	SER	CA-C	-33.30	1.07	1.53
1	1E	19	SER	CA-C	-33.30	1.07	1.53
1	1I	19	SER	CA-C	-33.30	1.07	1.53
1	2E	19	SER	CA-C	-33.30	1.07	1.53
1	2M	19	SER	CA-C	-33.30	1.07	1.53
1	22	19	SER	CA-C	-33.30	1.07	1.53
1	26	19	SER	CA-C	-33.30	1.07	1.53
1	3E	19	SER	CA-C	-33.30	1.07	1.53
1	3M	19	SER	CA-C	-33.30	1.07	1.53
1	36	19	SER	CA-C	-33.30	1.07	1.53
1	4A	19	SER	CA-C	-33.30	1.07	1.53
1	4I	19	SER	CA-C	-33.30	1.07	1.53
1	4M	19	SER	CA-C	-33.30	1.07	1.53
1	4Q	19	SER	CA-C	-33.30	1.07	1.53
1	4U	19	SER	CA-C	-33.30	1.07	1.53
1	5Q	19	SER	CA-C	-33.30	1.07	1.53
1	5Y	19	SER	CA-C	-33.30	1.07	1.53
1	6E	19	SER	CA-C	-33.30	1.07	1.53
1	6I	19	SER	CA-C	-33.30	1.07	1.53
1	6Q	19	SER	CA-C	-33.30	1.07	1.53
1	6Y	19	SER	CA-C	-33.30	1.07	1.53
1	7I	19	SER	CA-C	-33.30	1.07	1.53
1	7M	19	SER	CA-C	-33.30	1.07	1.53
1	7U	19	SER	CA-C	-33.30	1.07	1.53
1	1A	22	HIS	CD2-NE2	33.29	1.74	1.37
1	1I	22	HIS	CD2-NE2	33.29	1.74	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	22	HIS	CD2-NE2	33.29	1.74	1.37
1	26	22	HIS	CD2-NE2	33.29	1.74	1.37
1	3E	22	HIS	CD2-NE2	33.29	1.74	1.37
1	4A	22	HIS	CD2-NE2	33.29	1.74	1.37
1	4M	22	HIS	CD2-NE2	33.29	1.74	1.37
1	4U	22	HIS	CD2-NE2	33.29	1.74	1.37
1	5Q	22	HIS	CD2-NE2	33.29	1.74	1.37
1	6I	22	HIS	CD2-NE2	33.29	1.74	1.37
1	6Q	22	HIS	CD2-NE2	33.29	1.74	1.37
1	7M	22	HIS	CD2-NE2	33.29	1.74	1.37
1	12	22	HIS	CD2-NE2	33.28	1.74	1.37
1	16	22	HIS	CD2-NE2	33.28	1.74	1.37
1	2A	22	HIS	CD2-NE2	33.28	1.74	1.37
1	3Q	22	HIS	CD2-NE2	33.28	1.74	1.37
1	3U	22	HIS	CD2-NE2	33.28	1.74	1.37
1	3Y	22	HIS	CD2-NE2	33.28	1.74	1.37
1	5E	22	HIS	CD2-NE2	33.28	1.74	1.37
1	5I	22	HIS	CD2-NE2	33.28	1.74	1.37
1	5M	22	HIS	CD2-NE2	33.28	1.74	1.37
1	62	22	HIS	CD2-NE2	33.28	1.74	1.37
1	66	22	HIS	CD2-NE2	33.28	1.74	1.37
1	7A	22	HIS	CD2-NE2	33.28	1.74	1.37
1	12	19	SER	CA-C	-33.28	1.07	1.53
1	16	19	SER	CA-C	-33.28	1.07	1.53
1	2A	19	SER	CA-C	-33.28	1.07	1.53
1	3Q	19	SER	CA-C	-33.28	1.07	1.53
1	3U	19	SER	CA-C	-33.28	1.07	1.53
1	3Y	19	SER	CA-C	-33.28	1.07	1.53
1	5E	19	SER	CA-C	-33.28	1.07	1.53
1	5I	19	SER	CA-C	-33.28	1.07	1.53
1	5M	19	SER	CA-C	-33.28	1.07	1.53
1	62	19	SER	CA-C	-33.28	1.07	1.53
1	66	19	SER	CA-C	-33.28	1.07	1.53
1	7A	19	SER	CA-C	-33.28	1.07	1.53
1	1Q	19	SER	CA-C	-33.27	1.07	1.53
1	1U	19	SER	CA-C	-33.27	1.07	1.53
1	1Y	19	SER	CA-C	-33.27	1.07	1.53
1	2Q	19	SER	CA-C	-33.27	1.07	1.53
1	2U	19	SER	CA-C	-33.27	1.07	1.53
1	2Y	19	SER	CA-C	-33.27	1.07	1.53
1	42	19	SER	CA-C	-33.27	1.07	1.53
1	46	19	SER	CA-C	-33.27	1.07	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	19	SER	CA-C	-33.27	1.07	1.53
1	52	19	SER	CA-C	-33.27	1.07	1.53
1	56	19	SER	CA-C	-33.27	1.07	1.53
1	6A	19	SER	CA-C	-33.27	1.07	1.53
1	1M	19	SER	CA-C	-33.27	1.07	1.53
1	2I	19	SER	CA-C	-33.27	1.07	1.53
1	3A	19	SER	CA-C	-33.27	1.07	1.53
1	3I	19	SER	CA-C	-33.27	1.07	1.53
1	32	19	SER	CA-C	-33.27	1.07	1.53
1	4E	19	SER	CA-C	-33.27	1.07	1.53
1	4Y	19	SER	CA-C	-33.27	1.07	1.53
1	5U	19	SER	CA-C	-33.27	1.07	1.53
1	6M	19	SER	CA-C	-33.27	1.07	1.53
1	6U	19	SER	CA-C	-33.27	1.07	1.53
1	7E	19	SER	CA-C	-33.27	1.07	1.53
1	7Q	19	SER	CA-C	-33.27	1.07	1.53
1	1E	22	HIS	CD2-NE2	33.27	1.74	1.37
1	1Q	22	HIS	CD2-NE2	33.27	1.74	1.37
1	1U	22	HIS	CD2-NE2	33.27	1.74	1.37
1	1Y	22	HIS	CD2-NE2	33.27	1.74	1.37
1	2M	22	HIS	CD2-NE2	33.27	1.74	1.37
1	2Q	22	HIS	CD2-NE2	33.27	1.74	1.37
1	2U	22	HIS	CD2-NE2	33.27	1.74	1.37
1	2Y	22	HIS	CD2-NE2	33.27	1.74	1.37
1	22	22	HIS	CD2-NE2	33.27	1.74	1.37
1	3M	22	HIS	CD2-NE2	33.27	1.74	1.37
1	36	22	HIS	CD2-NE2	33.27	1.74	1.37
1	4I	22	HIS	CD2-NE2	33.27	1.74	1.37
1	4Q	22	HIS	CD2-NE2	33.27	1.74	1.37
1	42	22	HIS	CD2-NE2	33.27	1.74	1.37
1	46	22	HIS	CD2-NE2	33.27	1.74	1.37
1	5A	22	HIS	CD2-NE2	33.27	1.74	1.37
1	5Y	22	HIS	CD2-NE2	33.27	1.74	1.37
1	52	22	HIS	CD2-NE2	33.27	1.74	1.37
1	56	22	HIS	CD2-NE2	33.27	1.74	1.37
1	6A	22	HIS	CD2-NE2	33.27	1.74	1.37
1	6E	22	HIS	CD2-NE2	33.27	1.74	1.37
1	6Y	22	HIS	CD2-NE2	33.27	1.74	1.37
1	7I	22	HIS	CD2-NE2	33.27	1.74	1.37
1	7U	22	HIS	CD2-NE2	33.27	1.74	1.37
1	1M	20	GLU	CA-C	32.98	1.92	1.52
1	2I	20	GLU	CA-C	32.98	1.92	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	20	GLU	CA-C	32.98	1.92	1.52
1	3I	20	GLU	CA-C	32.98	1.92	1.52
1	32	20	GLU	CA-C	32.98	1.92	1.52
1	4E	20	GLU	CA-C	32.98	1.92	1.52
1	4Y	20	GLU	CA-C	32.98	1.92	1.52
1	5U	20	GLU	CA-C	32.98	1.92	1.52
1	6M	20	GLU	CA-C	32.98	1.92	1.52
1	6U	20	GLU	CA-C	32.98	1.92	1.52
1	7E	20	GLU	CA-C	32.98	1.92	1.52
1	7Q	20	GLU	CA-C	32.98	1.92	1.52
1	1Q	20	GLU	CA-C	32.97	1.92	1.52
1	1U	20	GLU	CA-C	32.97	1.92	1.52
1	1Y	20	GLU	CA-C	32.97	1.92	1.52
1	2Q	20	GLU	CA-C	32.97	1.92	1.52
1	2U	20	GLU	CA-C	32.97	1.92	1.52
1	2Y	20	GLU	CA-C	32.97	1.92	1.52
1	42	20	GLU	CA-C	32.97	1.92	1.52
1	46	20	GLU	CA-C	32.97	1.92	1.52
1	5A	20	GLU	CA-C	32.97	1.92	1.52
1	52	20	GLU	CA-C	32.97	1.92	1.52
1	56	20	GLU	CA-C	32.97	1.92	1.52
1	6A	20	GLU	CA-C	32.97	1.92	1.52
1	12	20	GLU	CA-C	32.96	1.92	1.52
1	16	20	GLU	CA-C	32.96	1.92	1.52
1	2A	20	GLU	CA-C	32.96	1.92	1.52
1	3Q	20	GLU	CA-C	32.96	1.92	1.52
1	3U	20	GLU	CA-C	32.96	1.92	1.52
1	3Y	20	GLU	CA-C	32.96	1.92	1.52
1	5E	20	GLU	CA-C	32.96	1.92	1.52
1	5I	20	GLU	CA-C	32.96	1.92	1.52
1	5M	20	GLU	CA-C	32.96	1.92	1.52
1	62	20	GLU	CA-C	32.96	1.92	1.52
1	66	20	GLU	CA-C	32.96	1.92	1.52
1	7A	20	GLU	CA-C	32.96	1.92	1.52
1	1A	20	GLU	CA-C	32.94	1.92	1.52
1	1I	20	GLU	CA-C	32.94	1.92	1.52
1	2E	20	GLU	CA-C	32.94	1.92	1.52
1	26	20	GLU	CA-C	32.94	1.92	1.52
1	3E	20	GLU	CA-C	32.94	1.92	1.52
1	4A	20	GLU	CA-C	32.94	1.92	1.52
1	4M	20	GLU	CA-C	32.94	1.92	1.52
1	4U	20	GLU	CA-C	32.94	1.92	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	20	GLU	CA-C	32.94	1.92	1.52
1	6I	20	GLU	CA-C	32.94	1.92	1.52
1	6Q	20	GLU	CA-C	32.94	1.92	1.52
1	7M	20	GLU	CA-C	32.94	1.92	1.52
1	1E	20	GLU	CA-C	32.91	1.92	1.52
1	2M	20	GLU	CA-C	32.91	1.92	1.52
1	22	20	GLU	CA-C	32.91	1.92	1.52
1	3M	20	GLU	CA-C	32.91	1.92	1.52
1	36	20	GLU	CA-C	32.91	1.92	1.52
1	4I	20	GLU	CA-C	32.91	1.92	1.52
1	4Q	20	GLU	CA-C	32.91	1.92	1.52
1	5Y	20	GLU	CA-C	32.91	1.92	1.52
1	6E	20	GLU	CA-C	32.91	1.92	1.52
1	6Y	20	GLU	CA-C	32.91	1.92	1.52
1	7I	20	GLU	CA-C	32.91	1.92	1.52
1	7U	20	GLU	CA-C	32.91	1.92	1.52
2	1F	223	ASP	N-CA	32.88	1.88	1.45
2	2N	223	ASP	N-CA	32.88	1.88	1.45
2	23	223	ASP	N-CA	32.88	1.88	1.45
2	3N	223	ASP	N-CA	32.88	1.88	1.45
2	37	223	ASP	N-CA	32.88	1.88	1.45
2	4J	223	ASP	N-CA	32.88	1.88	1.45
2	4R	223	ASP	N-CA	32.88	1.88	1.45
2	5Z	223	ASP	N-CA	32.88	1.88	1.45
2	6F	223	ASP	N-CA	32.88	1.88	1.45
2	6Z	223	ASP	N-CA	32.88	1.88	1.45
2	7J	223	ASP	N-CA	32.88	1.88	1.45
2	7V	223	ASP	N-CA	32.88	1.88	1.45
2	13	223	ASP	N-CA	32.87	1.88	1.45
2	17	223	ASP	N-CA	32.87	1.88	1.45
2	2B	223	ASP	N-CA	32.87	1.88	1.45
2	3R	223	ASP	N-CA	32.87	1.88	1.45
2	3V	223	ASP	N-CA	32.87	1.88	1.45
2	3Z	223	ASP	N-CA	32.87	1.88	1.45
2	5F	223	ASP	N-CA	32.87	1.88	1.45
2	5J	223	ASP	N-CA	32.87	1.88	1.45
2	5N	223	ASP	N-CA	32.87	1.88	1.45
2	63	223	ASP	N-CA	32.87	1.88	1.45
2	67	223	ASP	N-CA	32.87	1.88	1.45
2	7B	223	ASP	N-CA	32.87	1.88	1.45
2	1B	223	ASP	N-CA	32.86	1.88	1.45
2	1J	223	ASP	N-CA	32.86	1.88	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	223	ASP	N-CA	32.86	1.88	1.45
2	27	223	ASP	N-CA	32.86	1.88	1.45
2	3F	223	ASP	N-CA	32.86	1.88	1.45
2	4B	223	ASP	N-CA	32.86	1.88	1.45
2	4N	223	ASP	N-CA	32.86	1.88	1.45
2	4V	223	ASP	N-CA	32.86	1.88	1.45
2	5R	223	ASP	N-CA	32.86	1.88	1.45
2	6J	223	ASP	N-CA	32.86	1.88	1.45
2	6R	223	ASP	N-CA	32.86	1.88	1.45
2	7N	223	ASP	N-CA	32.86	1.88	1.45
2	1R	223	ASP	N-CA	32.85	1.88	1.45
2	1V	223	ASP	N-CA	32.85	1.88	1.45
2	1Z	223	ASP	N-CA	32.85	1.88	1.45
2	2R	223	ASP	N-CA	32.85	1.88	1.45
2	2V	223	ASP	N-CA	32.85	1.88	1.45
2	2Z	223	ASP	N-CA	32.85	1.88	1.45
2	43	223	ASP	N-CA	32.85	1.88	1.45
2	47	223	ASP	N-CA	32.85	1.88	1.45
2	5B	223	ASP	N-CA	32.85	1.88	1.45
2	53	223	ASP	N-CA	32.85	1.88	1.45
2	57	223	ASP	N-CA	32.85	1.88	1.45
2	6B	223	ASP	N-CA	32.85	1.88	1.45
2	1N	223	ASP	N-CA	32.84	1.88	1.45
2	2J	223	ASP	N-CA	32.84	1.88	1.45
2	3B	223	ASP	N-CA	32.84	1.88	1.45
2	3J	223	ASP	N-CA	32.84	1.88	1.45
2	33	223	ASP	N-CA	32.84	1.88	1.45
2	4F	223	ASP	N-CA	32.84	1.88	1.45
2	4Z	223	ASP	N-CA	32.84	1.88	1.45
2	5V	223	ASP	N-CA	32.84	1.88	1.45
2	6N	223	ASP	N-CA	32.84	1.88	1.45
2	6V	223	ASP	N-CA	32.84	1.88	1.45
2	7F	223	ASP	N-CA	32.84	1.88	1.45
2	7R	223	ASP	N-CA	32.84	1.88	1.45
1	1E	147	ARG	C-N	32.78	1.77	1.33
1	2M	147	ARG	C-N	32.78	1.77	1.33
1	22	147	ARG	C-N	32.78	1.77	1.33
1	3M	147	ARG	C-N	32.78	1.77	1.33
1	36	147	ARG	C-N	32.78	1.77	1.33
1	4I	147	ARG	C-N	32.78	1.77	1.33
1	4Q	147	ARG	C-N	32.78	1.77	1.33
1	5Y	147	ARG	C-N	32.78	1.77	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	147	ARG	C-N	32.78	1.77	1.33
1	6Y	147	ARG	C-N	32.78	1.77	1.33
1	7I	147	ARG	C-N	32.78	1.77	1.33
1	7U	147	ARG	C-N	32.78	1.77	1.33
1	1M	147	ARG	C-N	32.78	1.77	1.33
1	2I	147	ARG	C-N	32.78	1.77	1.33
1	3A	147	ARG	C-N	32.78	1.77	1.33
1	3I	147	ARG	C-N	32.78	1.77	1.33
1	32	147	ARG	C-N	32.78	1.77	1.33
1	4E	147	ARG	C-N	32.78	1.77	1.33
1	4Y	147	ARG	C-N	32.78	1.77	1.33
1	5U	147	ARG	C-N	32.78	1.77	1.33
1	6M	147	ARG	C-N	32.78	1.77	1.33
1	6U	147	ARG	C-N	32.78	1.77	1.33
1	7E	147	ARG	C-N	32.78	1.77	1.33
1	7Q	147	ARG	C-N	32.78	1.77	1.33
1	12	147	ARG	C-N	32.75	1.77	1.33
1	16	147	ARG	C-N	32.75	1.77	1.33
1	2A	147	ARG	C-N	32.75	1.77	1.33
1	3Q	147	ARG	C-N	32.75	1.77	1.33
1	3U	147	ARG	C-N	32.75	1.77	1.33
1	3Y	147	ARG	C-N	32.75	1.77	1.33
1	5E	147	ARG	C-N	32.75	1.77	1.33
1	5I	147	ARG	C-N	32.75	1.77	1.33
1	5M	147	ARG	C-N	32.75	1.77	1.33
1	62	147	ARG	C-N	32.75	1.77	1.33
1	66	147	ARG	C-N	32.75	1.77	1.33
1	7A	147	ARG	C-N	32.75	1.77	1.33
1	1A	147	ARG	C-N	32.75	1.77	1.33
1	1I	147	ARG	C-N	32.75	1.77	1.33
1	2E	147	ARG	C-N	32.75	1.77	1.33
1	26	147	ARG	C-N	32.75	1.77	1.33
1	3E	147	ARG	C-N	32.75	1.77	1.33
1	4A	147	ARG	C-N	32.75	1.77	1.33
1	4M	147	ARG	C-N	32.75	1.77	1.33
1	4U	147	ARG	C-N	32.75	1.77	1.33
1	5Q	147	ARG	C-N	32.75	1.77	1.33
1	6I	147	ARG	C-N	32.75	1.77	1.33
1	6Q	147	ARG	C-N	32.75	1.77	1.33
1	7M	147	ARG	C-N	32.75	1.77	1.33
1	1Q	147	ARG	C-N	32.75	1.77	1.33
1	1U	147	ARG	C-N	32.75	1.77	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	147	ARG	C-N	32.75	1.77	1.33
1	2Q	147	ARG	C-N	32.75	1.77	1.33
1	2U	147	ARG	C-N	32.75	1.77	1.33
1	2Y	147	ARG	C-N	32.75	1.77	1.33
1	42	147	ARG	C-N	32.75	1.77	1.33
1	46	147	ARG	C-N	32.75	1.77	1.33
1	5A	147	ARG	C-N	32.75	1.77	1.33
1	52	147	ARG	C-N	32.75	1.77	1.33
1	56	147	ARG	C-N	32.75	1.77	1.33
1	6A	147	ARG	C-N	32.75	1.77	1.33
2	1R	74	TYR	CE2-CZ	32.51	2.16	1.38
2	1V	74	TYR	CE2-CZ	32.51	2.16	1.38
2	1Z	74	TYR	CE2-CZ	32.51	2.16	1.38
2	2R	74	TYR	CE2-CZ	32.51	2.16	1.38
2	2V	74	TYR	CE2-CZ	32.51	2.16	1.38
2	2Z	74	TYR	CE2-CZ	32.51	2.16	1.38
2	43	74	TYR	CE2-CZ	32.51	2.16	1.38
2	47	74	TYR	CE2-CZ	32.51	2.16	1.38
2	5B	74	TYR	CE2-CZ	32.51	2.16	1.38
2	53	74	TYR	CE2-CZ	32.51	2.16	1.38
2	57	74	TYR	CE2-CZ	32.51	2.16	1.38
2	6B	74	TYR	CE2-CZ	32.51	2.16	1.38
2	1F	74	TYR	CE2-CZ	32.51	2.16	1.38
2	2N	74	TYR	CE2-CZ	32.51	2.16	1.38
2	23	74	TYR	CE2-CZ	32.51	2.16	1.38
2	3N	74	TYR	CE2-CZ	32.51	2.16	1.38
2	37	74	TYR	CE2-CZ	32.51	2.16	1.38
2	4J	74	TYR	CE2-CZ	32.51	2.16	1.38
2	4R	74	TYR	CE2-CZ	32.51	2.16	1.38
2	5Z	74	TYR	CE2-CZ	32.51	2.16	1.38
2	6F	74	TYR	CE2-CZ	32.51	2.16	1.38
2	6Z	74	TYR	CE2-CZ	32.51	2.16	1.38
2	7J	74	TYR	CE2-CZ	32.51	2.16	1.38
2	7V	74	TYR	CE2-CZ	32.51	2.16	1.38
2	1B	74	TYR	CE2-CZ	32.50	2.16	1.38
2	1J	74	TYR	CE2-CZ	32.50	2.16	1.38
2	2F	74	TYR	CE2-CZ	32.50	2.16	1.38
2	27	74	TYR	CE2-CZ	32.50	2.16	1.38
2	3F	74	TYR	CE2-CZ	32.50	2.16	1.38
2	4B	74	TYR	CE2-CZ	32.50	2.16	1.38
2	4N	74	TYR	CE2-CZ	32.50	2.16	1.38
2	4V	74	TYR	CE2-CZ	32.50	2.16	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	74	TYR	CE2-CZ	32.50	2.16	1.38
2	6J	74	TYR	CE2-CZ	32.50	2.16	1.38
2	6R	74	TYR	CE2-CZ	32.50	2.16	1.38
2	7N	74	TYR	CE2-CZ	32.50	2.16	1.38
2	1N	74	TYR	CE2-CZ	32.50	2.16	1.38
2	2J	74	TYR	CE2-CZ	32.50	2.16	1.38
2	3B	74	TYR	CE2-CZ	32.50	2.16	1.38
2	3J	74	TYR	CE2-CZ	32.50	2.16	1.38
2	33	74	TYR	CE2-CZ	32.50	2.16	1.38
2	4F	74	TYR	CE2-CZ	32.50	2.16	1.38
2	4Z	74	TYR	CE2-CZ	32.50	2.16	1.38
2	5V	74	TYR	CE2-CZ	32.50	2.16	1.38
2	6N	74	TYR	CE2-CZ	32.50	2.16	1.38
2	6V	74	TYR	CE2-CZ	32.50	2.16	1.38
2	7F	74	TYR	CE2-CZ	32.50	2.16	1.38
2	7R	74	TYR	CE2-CZ	32.50	2.16	1.38
2	13	74	TYR	CE2-CZ	32.48	2.16	1.38
2	17	74	TYR	CE2-CZ	32.48	2.16	1.38
2	2B	74	TYR	CE2-CZ	32.48	2.16	1.38
2	3R	74	TYR	CE2-CZ	32.48	2.16	1.38
2	3V	74	TYR	CE2-CZ	32.48	2.16	1.38
2	3Z	74	TYR	CE2-CZ	32.48	2.16	1.38
2	5F	74	TYR	CE2-CZ	32.48	2.16	1.38
2	5J	74	TYR	CE2-CZ	32.48	2.16	1.38
2	5N	74	TYR	CE2-CZ	32.48	2.16	1.38
2	63	74	TYR	CE2-CZ	32.48	2.16	1.38
2	67	74	TYR	CE2-CZ	32.48	2.16	1.38
2	7B	74	TYR	CE2-CZ	32.48	2.16	1.38
2	1F	60	ARG	CZ-NH1	32.40	1.78	1.32
2	2N	60	ARG	CZ-NH1	32.40	1.78	1.32
2	23	60	ARG	CZ-NH1	32.40	1.78	1.32
2	3N	60	ARG	CZ-NH1	32.40	1.78	1.32
2	37	60	ARG	CZ-NH1	32.40	1.78	1.32
2	4J	60	ARG	CZ-NH1	32.40	1.78	1.32
2	4R	60	ARG	CZ-NH1	32.40	1.78	1.32
2	5Z	60	ARG	CZ-NH1	32.40	1.78	1.32
2	6F	60	ARG	CZ-NH1	32.40	1.78	1.32
2	6Z	60	ARG	CZ-NH1	32.40	1.78	1.32
2	7J	60	ARG	CZ-NH1	32.40	1.78	1.32
2	7V	60	ARG	CZ-NH1	32.40	1.78	1.32
2	1N	60	ARG	CZ-NH1	32.39	1.78	1.32
2	2J	60	ARG	CZ-NH1	32.39	1.78	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	60	ARG	CZ-NH1	32.39	1.78	1.32
2	3J	60	ARG	CZ-NH1	32.39	1.78	1.32
2	33	60	ARG	CZ-NH1	32.39	1.78	1.32
2	4F	60	ARG	CZ-NH1	32.39	1.78	1.32
2	4Z	60	ARG	CZ-NH1	32.39	1.78	1.32
2	5V	60	ARG	CZ-NH1	32.39	1.78	1.32
2	6N	60	ARG	CZ-NH1	32.39	1.78	1.32
2	6V	60	ARG	CZ-NH1	32.39	1.78	1.32
2	7F	60	ARG	CZ-NH1	32.39	1.78	1.32
2	7R	60	ARG	CZ-NH1	32.39	1.78	1.32
2	13	60	ARG	CZ-NH1	32.37	1.78	1.32
2	17	60	ARG	CZ-NH1	32.37	1.78	1.32
2	2B	60	ARG	CZ-NH1	32.37	1.78	1.32
2	3R	60	ARG	CZ-NH1	32.37	1.78	1.32
2	3V	60	ARG	CZ-NH1	32.37	1.78	1.32
2	3Z	60	ARG	CZ-NH1	32.37	1.78	1.32
2	5F	60	ARG	CZ-NH1	32.37	1.78	1.32
2	5J	60	ARG	CZ-NH1	32.37	1.78	1.32
2	5N	60	ARG	CZ-NH1	32.37	1.78	1.32
2	63	60	ARG	CZ-NH1	32.37	1.78	1.32
2	67	60	ARG	CZ-NH1	32.37	1.78	1.32
2	7B	60	ARG	CZ-NH1	32.37	1.78	1.32
2	1B	60	ARG	CZ-NH1	32.37	1.78	1.32
2	1J	60	ARG	CZ-NH1	32.37	1.78	1.32
2	2F	60	ARG	CZ-NH1	32.37	1.78	1.32
2	27	60	ARG	CZ-NH1	32.37	1.78	1.32
2	3F	60	ARG	CZ-NH1	32.37	1.78	1.32
2	4B	60	ARG	CZ-NH1	32.37	1.78	1.32
2	4N	60	ARG	CZ-NH1	32.37	1.78	1.32
2	4V	60	ARG	CZ-NH1	32.37	1.78	1.32
2	5R	60	ARG	CZ-NH1	32.37	1.78	1.32
2	6J	60	ARG	CZ-NH1	32.37	1.78	1.32
2	6R	60	ARG	CZ-NH1	32.37	1.78	1.32
2	7N	60	ARG	CZ-NH1	32.37	1.78	1.32
2	1R	60	ARG	CZ-NH1	32.36	1.78	1.32
2	1V	60	ARG	CZ-NH1	32.36	1.78	1.32
2	1Z	60	ARG	CZ-NH1	32.36	1.78	1.32
2	2R	60	ARG	CZ-NH1	32.36	1.78	1.32
2	2V	60	ARG	CZ-NH1	32.36	1.78	1.32
2	2Z	60	ARG	CZ-NH1	32.36	1.78	1.32
2	43	60	ARG	CZ-NH1	32.36	1.78	1.32
2	47	60	ARG	CZ-NH1	32.36	1.78	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	60	ARG	CZ-NH1	32.36	1.78	1.32
2	53	60	ARG	CZ-NH1	32.36	1.78	1.32
2	57	60	ARG	CZ-NH1	32.36	1.78	1.32
2	6B	60	ARG	CZ-NH1	32.36	1.78	1.32
2	1N	14	THR	CA-C	-32.31	1.09	1.52
2	2J	14	THR	CA-C	-32.31	1.09	1.52
2	3B	14	THR	CA-C	-32.31	1.09	1.52
2	3J	14	THR	CA-C	-32.31	1.09	1.52
2	33	14	THR	CA-C	-32.31	1.09	1.52
2	4F	14	THR	CA-C	-32.31	1.09	1.52
2	4Z	14	THR	CA-C	-32.31	1.09	1.52
2	5V	14	THR	CA-C	-32.31	1.09	1.52
2	6N	14	THR	CA-C	-32.31	1.09	1.52
2	6V	14	THR	CA-C	-32.31	1.09	1.52
2	7F	14	THR	CA-C	-32.31	1.09	1.52
2	7R	14	THR	CA-C	-32.31	1.09	1.52
1	1E	66	ARG	CD-NE	32.30	1.91	1.46
1	2M	66	ARG	CD-NE	32.30	1.91	1.46
1	22	66	ARG	CD-NE	32.30	1.91	1.46
1	3M	66	ARG	CD-NE	32.30	1.91	1.46
1	36	66	ARG	CD-NE	32.30	1.91	1.46
1	4I	66	ARG	CD-NE	32.30	1.91	1.46
1	4Q	66	ARG	CD-NE	32.30	1.91	1.46
1	5Y	66	ARG	CD-NE	32.30	1.91	1.46
1	6E	66	ARG	CD-NE	32.30	1.91	1.46
1	6Y	66	ARG	CD-NE	32.30	1.91	1.46
1	7I	66	ARG	CD-NE	32.30	1.91	1.46
1	7U	66	ARG	CD-NE	32.30	1.91	1.46
2	1R	14	THR	CA-C	-32.30	1.09	1.52
2	1V	14	THR	CA-C	-32.30	1.09	1.52
2	1Z	14	THR	CA-C	-32.30	1.09	1.52
2	2R	14	THR	CA-C	-32.30	1.09	1.52
2	2V	14	THR	CA-C	-32.30	1.09	1.52
2	2Z	14	THR	CA-C	-32.30	1.09	1.52
2	43	14	THR	CA-C	-32.30	1.09	1.52
2	47	14	THR	CA-C	-32.30	1.09	1.52
2	5B	14	THR	CA-C	-32.30	1.09	1.52
2	53	14	THR	CA-C	-32.30	1.09	1.52
2	57	14	THR	CA-C	-32.30	1.09	1.52
2	6B	14	THR	CA-C	-32.30	1.09	1.52
2	1B	14	THR	CA-C	-32.28	1.09	1.52
2	1J	14	THR	CA-C	-32.28	1.09	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	14	THR	CA-C	-32.28	1.09	1.52
2	27	14	THR	CA-C	-32.28	1.09	1.52
2	3F	14	THR	CA-C	-32.28	1.09	1.52
2	4B	14	THR	CA-C	-32.28	1.09	1.52
2	4N	14	THR	CA-C	-32.28	1.09	1.52
2	4V	14	THR	CA-C	-32.28	1.09	1.52
2	5R	14	THR	CA-C	-32.28	1.09	1.52
2	6J	14	THR	CA-C	-32.28	1.09	1.52
2	6R	14	THR	CA-C	-32.28	1.09	1.52
2	7N	14	THR	CA-C	-32.28	1.09	1.52
2	1F	14	THR	CA-C	-32.28	1.09	1.52
2	2N	14	THR	CA-C	-32.28	1.09	1.52
2	23	14	THR	CA-C	-32.28	1.09	1.52
2	3N	14	THR	CA-C	-32.28	1.09	1.52
2	37	14	THR	CA-C	-32.28	1.09	1.52
2	4J	14	THR	CA-C	-32.28	1.09	1.52
2	4R	14	THR	CA-C	-32.28	1.09	1.52
2	5Z	14	THR	CA-C	-32.28	1.09	1.52
2	6F	14	THR	CA-C	-32.28	1.09	1.52
2	6Z	14	THR	CA-C	-32.28	1.09	1.52
2	7J	14	THR	CA-C	-32.28	1.09	1.52
2	7V	14	THR	CA-C	-32.28	1.09	1.52
1	1Q	66	ARG	CD-NE	32.24	1.91	1.46
1	1U	66	ARG	CD-NE	32.24	1.91	1.46
1	1Y	66	ARG	CD-NE	32.24	1.91	1.46
1	2Q	66	ARG	CD-NE	32.24	1.91	1.46
1	2U	66	ARG	CD-NE	32.24	1.91	1.46
1	2Y	66	ARG	CD-NE	32.24	1.91	1.46
1	42	66	ARG	CD-NE	32.24	1.91	1.46
1	46	66	ARG	CD-NE	32.24	1.91	1.46
1	5A	66	ARG	CD-NE	32.24	1.91	1.46
1	52	66	ARG	CD-NE	32.24	1.91	1.46
1	56	66	ARG	CD-NE	32.24	1.91	1.46
1	6A	66	ARG	CD-NE	32.24	1.91	1.46
1	1A	66	ARG	CD-NE	32.23	1.91	1.46
1	1I	66	ARG	CD-NE	32.23	1.91	1.46
1	2E	66	ARG	CD-NE	32.23	1.91	1.46
1	26	66	ARG	CD-NE	32.23	1.91	1.46
1	3E	66	ARG	CD-NE	32.23	1.91	1.46
1	4A	66	ARG	CD-NE	32.23	1.91	1.46
1	4M	66	ARG	CD-NE	32.23	1.91	1.46
1	4U	66	ARG	CD-NE	32.23	1.91	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	66	ARG	CD-NE	32.23	1.91	1.46
1	6I	66	ARG	CD-NE	32.23	1.91	1.46
1	6Q	66	ARG	CD-NE	32.23	1.91	1.46
1	7M	66	ARG	CD-NE	32.23	1.91	1.46
1	12	66	ARG	CD-NE	32.23	1.91	1.46
1	16	66	ARG	CD-NE	32.23	1.91	1.46
1	2A	66	ARG	CD-NE	32.23	1.91	1.46
1	3Q	66	ARG	CD-NE	32.23	1.91	1.46
1	3U	66	ARG	CD-NE	32.23	1.91	1.46
1	3Y	66	ARG	CD-NE	32.23	1.91	1.46
1	5E	66	ARG	CD-NE	32.23	1.91	1.46
1	5I	66	ARG	CD-NE	32.23	1.91	1.46
1	5M	66	ARG	CD-NE	32.23	1.91	1.46
1	62	66	ARG	CD-NE	32.23	1.91	1.46
1	66	66	ARG	CD-NE	32.23	1.91	1.46
1	7A	66	ARG	CD-NE	32.23	1.91	1.46
2	13	14	THR	CA-C	-32.21	1.09	1.52
2	17	14	THR	CA-C	-32.21	1.09	1.52
2	2B	14	THR	CA-C	-32.21	1.09	1.52
2	3R	14	THR	CA-C	-32.21	1.09	1.52
2	3V	14	THR	CA-C	-32.21	1.09	1.52
2	3Z	14	THR	CA-C	-32.21	1.09	1.52
2	5F	14	THR	CA-C	-32.21	1.09	1.52
2	5J	14	THR	CA-C	-32.21	1.09	1.52
2	5N	14	THR	CA-C	-32.21	1.09	1.52
2	63	14	THR	CA-C	-32.21	1.09	1.52
2	67	14	THR	CA-C	-32.21	1.09	1.52
2	7B	14	THR	CA-C	-32.21	1.09	1.52
1	1M	66	ARG	CD-NE	32.16	1.91	1.46
1	2I	66	ARG	CD-NE	32.16	1.91	1.46
1	3A	66	ARG	CD-NE	32.16	1.91	1.46
1	3I	66	ARG	CD-NE	32.16	1.91	1.46
1	32	66	ARG	CD-NE	32.16	1.91	1.46
1	4E	66	ARG	CD-NE	32.16	1.91	1.46
1	4Y	66	ARG	CD-NE	32.16	1.91	1.46
1	5U	66	ARG	CD-NE	32.16	1.91	1.46
1	6M	66	ARG	CD-NE	32.16	1.91	1.46
1	6U	66	ARG	CD-NE	32.16	1.91	1.46
1	7E	66	ARG	CD-NE	32.16	1.91	1.46
1	7Q	66	ARG	CD-NE	32.16	1.91	1.46
1	12	48	TYR	CZ-OH	32.02	2.05	1.38
1	16	48	TYR	CZ-OH	32.02	2.05	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	48	TYR	CZ-OH	32.02	2.05	1.38
1	3Q	48	TYR	CZ-OH	32.02	2.05	1.38
1	3U	48	TYR	CZ-OH	32.02	2.05	1.38
1	3Y	48	TYR	CZ-OH	32.02	2.05	1.38
1	5E	48	TYR	CZ-OH	32.02	2.05	1.38
1	5I	48	TYR	CZ-OH	32.02	2.05	1.38
1	5M	48	TYR	CZ-OH	32.02	2.05	1.38
1	62	48	TYR	CZ-OH	32.02	2.05	1.38
1	66	48	TYR	CZ-OH	32.02	2.05	1.38
1	7A	48	TYR	CZ-OH	32.02	2.05	1.38
1	1E	48	TYR	CZ-OH	32.01	2.05	1.38
1	2M	48	TYR	CZ-OH	32.01	2.05	1.38
1	22	48	TYR	CZ-OH	32.01	2.05	1.38
1	3M	48	TYR	CZ-OH	32.01	2.05	1.38
1	36	48	TYR	CZ-OH	32.01	2.05	1.38
1	4I	48	TYR	CZ-OH	32.01	2.05	1.38
1	4Q	48	TYR	CZ-OH	32.01	2.05	1.38
1	5Y	48	TYR	CZ-OH	32.01	2.05	1.38
1	6E	48	TYR	CZ-OH	32.01	2.05	1.38
1	6Y	48	TYR	CZ-OH	32.01	2.05	1.38
1	7I	48	TYR	CZ-OH	32.01	2.05	1.38
1	7U	48	TYR	CZ-OH	32.01	2.05	1.38
1	1Q	48	TYR	CZ-OH	32.00	2.05	1.38
1	1U	48	TYR	CZ-OH	32.00	2.05	1.38
1	1Y	48	TYR	CZ-OH	32.00	2.05	1.38
1	2Q	48	TYR	CZ-OH	32.00	2.05	1.38
1	2U	48	TYR	CZ-OH	32.00	2.05	1.38
1	2Y	48	TYR	CZ-OH	32.00	2.05	1.38
1	42	48	TYR	CZ-OH	32.00	2.05	1.38
1	46	48	TYR	CZ-OH	32.00	2.05	1.38
1	5A	48	TYR	CZ-OH	32.00	2.05	1.38
1	52	48	TYR	CZ-OH	32.00	2.05	1.38
1	56	48	TYR	CZ-OH	32.00	2.05	1.38
1	6A	48	TYR	CZ-OH	32.00	2.05	1.38
1	1M	48	TYR	CZ-OH	32.00	2.05	1.38
1	2I	48	TYR	CZ-OH	32.00	2.05	1.38
1	3A	48	TYR	CZ-OH	32.00	2.05	1.38
1	3I	48	TYR	CZ-OH	32.00	2.05	1.38
1	32	48	TYR	CZ-OH	32.00	2.05	1.38
1	4E	48	TYR	CZ-OH	32.00	2.05	1.38
1	4Y	48	TYR	CZ-OH	32.00	2.05	1.38
1	5U	48	TYR	CZ-OH	32.00	2.05	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	48	TYR	CZ-OH	32.00	2.05	1.38
1	6U	48	TYR	CZ-OH	32.00	2.05	1.38
1	7E	48	TYR	CZ-OH	32.00	2.05	1.38
1	7Q	48	TYR	CZ-OH	32.00	2.05	1.38
1	1A	48	TYR	CZ-OH	31.98	2.05	1.38
1	1I	48	TYR	CZ-OH	31.98	2.05	1.38
1	2E	48	TYR	CZ-OH	31.98	2.05	1.38
1	26	48	TYR	CZ-OH	31.98	2.05	1.38
1	3E	48	TYR	CZ-OH	31.98	2.05	1.38
1	4A	48	TYR	CZ-OH	31.98	2.05	1.38
1	4M	48	TYR	CZ-OH	31.98	2.05	1.38
1	4U	48	TYR	CZ-OH	31.98	2.05	1.38
1	5Q	48	TYR	CZ-OH	31.98	2.05	1.38
1	6I	48	TYR	CZ-OH	31.98	2.05	1.38
1	6Q	48	TYR	CZ-OH	31.98	2.05	1.38
1	7M	48	TYR	CZ-OH	31.98	2.05	1.38
2	1F	73	GLY	C-O	-31.39	0.89	1.24
2	2N	73	GLY	C-O	-31.39	0.89	1.24
2	23	73	GLY	C-O	-31.39	0.89	1.24
2	3N	73	GLY	C-O	-31.39	0.89	1.24
2	37	73	GLY	C-O	-31.39	0.89	1.24
2	4J	73	GLY	C-O	-31.39	0.89	1.24
2	4R	73	GLY	C-O	-31.39	0.89	1.24
2	5Z	73	GLY	C-O	-31.39	0.89	1.24
2	6F	73	GLY	C-O	-31.39	0.89	1.24
2	6Z	73	GLY	C-O	-31.39	0.89	1.24
2	7J	73	GLY	C-O	-31.39	0.89	1.24
2	7V	73	GLY	C-O	-31.39	0.89	1.24
2	1R	73	GLY	C-O	-31.39	0.89	1.24
2	1V	73	GLY	C-O	-31.39	0.89	1.24
2	1Z	73	GLY	C-O	-31.39	0.89	1.24
2	2R	73	GLY	C-O	-31.39	0.89	1.24
2	2V	73	GLY	C-O	-31.39	0.89	1.24
2	2Z	73	GLY	C-O	-31.39	0.89	1.24
2	43	73	GLY	C-O	-31.39	0.89	1.24
2	47	73	GLY	C-O	-31.39	0.89	1.24
2	5B	73	GLY	C-O	-31.39	0.89	1.24
2	53	73	GLY	C-O	-31.39	0.89	1.24
2	57	73	GLY	C-O	-31.39	0.89	1.24
2	6B	73	GLY	C-O	-31.39	0.89	1.24
2	1F	76	ILE	CA-C	-31.37	1.16	1.52
2	2N	76	ILE	CA-C	-31.37	1.16	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	76	ILE	CA-C	-31.37	1.16	1.52
2	3N	76	ILE	CA-C	-31.37	1.16	1.52
2	37	76	ILE	CA-C	-31.37	1.16	1.52
2	4J	76	ILE	CA-C	-31.37	1.16	1.52
2	4R	76	ILE	CA-C	-31.37	1.16	1.52
2	5Z	76	ILE	CA-C	-31.37	1.16	1.52
2	6F	76	ILE	CA-C	-31.37	1.16	1.52
2	6Z	76	ILE	CA-C	-31.37	1.16	1.52
2	7J	76	ILE	CA-C	-31.37	1.16	1.52
2	7V	76	ILE	CA-C	-31.37	1.16	1.52
2	1N	76	ILE	CA-C	-31.37	1.16	1.52
2	2J	76	ILE	CA-C	-31.37	1.16	1.52
2	3B	76	ILE	CA-C	-31.37	1.16	1.52
2	3J	76	ILE	CA-C	-31.37	1.16	1.52
2	33	76	ILE	CA-C	-31.37	1.16	1.52
2	4F	76	ILE	CA-C	-31.37	1.16	1.52
2	4Z	76	ILE	CA-C	-31.37	1.16	1.52
2	5V	76	ILE	CA-C	-31.37	1.16	1.52
2	6N	76	ILE	CA-C	-31.37	1.16	1.52
2	6V	76	ILE	CA-C	-31.37	1.16	1.52
2	7F	76	ILE	CA-C	-31.37	1.16	1.52
2	7R	76	ILE	CA-C	-31.37	1.16	1.52
2	1B	76	ILE	CA-C	-31.37	1.16	1.52
2	1J	76	ILE	CA-C	-31.37	1.16	1.52
2	2F	76	ILE	CA-C	-31.37	1.16	1.52
2	27	76	ILE	CA-C	-31.37	1.16	1.52
2	3F	76	ILE	CA-C	-31.37	1.16	1.52
2	4B	76	ILE	CA-C	-31.37	1.16	1.52
2	4N	76	ILE	CA-C	-31.37	1.16	1.52
2	4V	76	ILE	CA-C	-31.37	1.16	1.52
2	5R	76	ILE	CA-C	-31.37	1.16	1.52
2	6J	76	ILE	CA-C	-31.37	1.16	1.52
2	6R	76	ILE	CA-C	-31.37	1.16	1.52
2	7N	76	ILE	CA-C	-31.37	1.16	1.52
2	1B	73	GLY	C-O	-31.35	0.89	1.24
2	1J	73	GLY	C-O	-31.35	0.89	1.24
2	13	73	GLY	C-O	-31.35	0.89	1.24
2	17	73	GLY	C-O	-31.35	0.89	1.24
2	2B	73	GLY	C-O	-31.35	0.89	1.24
2	2F	73	GLY	C-O	-31.35	0.89	1.24
2	27	73	GLY	C-O	-31.35	0.89	1.24
2	3F	73	GLY	C-O	-31.35	0.89	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3R	73	GLY	C-O	-31.35	0.89	1.24
2	3V	73	GLY	C-O	-31.35	0.89	1.24
2	3Z	73	GLY	C-O	-31.35	0.89	1.24
2	4B	73	GLY	C-O	-31.35	0.89	1.24
2	4N	73	GLY	C-O	-31.35	0.89	1.24
2	4V	73	GLY	C-O	-31.35	0.89	1.24
2	5F	73	GLY	C-O	-31.35	0.89	1.24
2	5J	73	GLY	C-O	-31.35	0.89	1.24
2	5N	73	GLY	C-O	-31.35	0.89	1.24
2	5R	73	GLY	C-O	-31.35	0.89	1.24
2	6J	73	GLY	C-O	-31.35	0.89	1.24
2	6R	73	GLY	C-O	-31.35	0.89	1.24
2	63	73	GLY	C-O	-31.35	0.89	1.24
2	67	73	GLY	C-O	-31.35	0.89	1.24
2	7B	73	GLY	C-O	-31.35	0.89	1.24
2	7N	73	GLY	C-O	-31.35	0.89	1.24
2	13	76	ILE	CA-C	-31.35	1.16	1.52
2	17	76	ILE	CA-C	-31.35	1.16	1.52
2	2B	76	ILE	CA-C	-31.35	1.16	1.52
2	3R	76	ILE	CA-C	-31.35	1.16	1.52
2	3V	76	ILE	CA-C	-31.35	1.16	1.52
2	3Z	76	ILE	CA-C	-31.35	1.16	1.52
2	5F	76	ILE	CA-C	-31.35	1.16	1.52
2	5J	76	ILE	CA-C	-31.35	1.16	1.52
2	5N	76	ILE	CA-C	-31.35	1.16	1.52
2	63	76	ILE	CA-C	-31.35	1.16	1.52
2	67	76	ILE	CA-C	-31.35	1.16	1.52
2	7B	76	ILE	CA-C	-31.35	1.16	1.52
2	1R	76	ILE	CA-C	-31.35	1.16	1.52
2	1V	76	ILE	CA-C	-31.35	1.16	1.52
2	1Z	76	ILE	CA-C	-31.35	1.16	1.52
2	2R	76	ILE	CA-C	-31.35	1.16	1.52
2	2V	76	ILE	CA-C	-31.35	1.16	1.52
2	2Z	76	ILE	CA-C	-31.35	1.16	1.52
2	43	76	ILE	CA-C	-31.35	1.16	1.52
2	47	76	ILE	CA-C	-31.35	1.16	1.52
2	5B	76	ILE	CA-C	-31.35	1.16	1.52
2	53	76	ILE	CA-C	-31.35	1.16	1.52
2	57	76	ILE	CA-C	-31.35	1.16	1.52
2	6B	76	ILE	CA-C	-31.35	1.16	1.52
2	1N	73	GLY	C-O	-31.33	0.89	1.24
2	2J	73	GLY	C-O	-31.33	0.89	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	73	GLY	C-O	-31.33	0.89	1.24
2	3J	73	GLY	C-O	-31.33	0.89	1.24
2	33	73	GLY	C-O	-31.33	0.89	1.24
2	4F	73	GLY	C-O	-31.33	0.89	1.24
2	4Z	73	GLY	C-O	-31.33	0.89	1.24
2	5V	73	GLY	C-O	-31.33	0.89	1.24
2	6N	73	GLY	C-O	-31.33	0.89	1.24
2	6V	73	GLY	C-O	-31.33	0.89	1.24
2	7F	73	GLY	C-O	-31.33	0.89	1.24
2	7R	73	GLY	C-O	-31.33	0.89	1.24
1	1A	85	LEU	CA-C	31.31	1.95	1.52
1	1I	85	LEU	CA-C	31.31	1.95	1.52
1	2E	85	LEU	CA-C	31.31	1.95	1.52
1	26	85	LEU	CA-C	31.31	1.95	1.52
1	3E	85	LEU	CA-C	31.31	1.95	1.52
1	4A	85	LEU	CA-C	31.31	1.95	1.52
1	4M	85	LEU	CA-C	31.31	1.95	1.52
1	4U	85	LEU	CA-C	31.31	1.95	1.52
1	5Q	85	LEU	CA-C	31.31	1.95	1.52
1	6I	85	LEU	CA-C	31.31	1.95	1.52
1	6Q	85	LEU	CA-C	31.31	1.95	1.52
1	7M	85	LEU	CA-C	31.31	1.95	1.52
1	1M	83	GLY	C-N	31.30	1.77	1.33
1	2I	83	GLY	C-N	31.30	1.77	1.33
1	3A	83	GLY	C-N	31.30	1.77	1.33
1	3I	83	GLY	C-N	31.30	1.77	1.33
1	32	83	GLY	C-N	31.30	1.77	1.33
1	4E	83	GLY	C-N	31.30	1.77	1.33
1	4Y	83	GLY	C-N	31.30	1.77	1.33
1	5U	83	GLY	C-N	31.30	1.77	1.33
1	6M	83	GLY	C-N	31.30	1.77	1.33
1	6U	83	GLY	C-N	31.30	1.77	1.33
1	7E	83	GLY	C-N	31.30	1.77	1.33
1	7Q	83	GLY	C-N	31.30	1.77	1.33
1	1E	83	GLY	C-N	31.30	1.77	1.33
1	2M	83	GLY	C-N	31.30	1.77	1.33
1	22	83	GLY	C-N	31.30	1.77	1.33
1	3M	83	GLY	C-N	31.30	1.77	1.33
1	36	83	GLY	C-N	31.30	1.77	1.33
1	4I	83	GLY	C-N	31.30	1.77	1.33
1	4Q	83	GLY	C-N	31.30	1.77	1.33
1	5Y	83	GLY	C-N	31.30	1.77	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	83	GLY	C-N	31.30	1.77	1.33
1	6Y	83	GLY	C-N	31.30	1.77	1.33
1	7I	83	GLY	C-N	31.30	1.77	1.33
1	7U	83	GLY	C-N	31.30	1.77	1.33
1	1M	85	LEU	CA-C	31.29	1.95	1.52
1	2I	85	LEU	CA-C	31.29	1.95	1.52
1	3A	85	LEU	CA-C	31.29	1.95	1.52
1	3I	85	LEU	CA-C	31.29	1.95	1.52
1	32	85	LEU	CA-C	31.29	1.95	1.52
1	4E	85	LEU	CA-C	31.29	1.95	1.52
1	4Y	85	LEU	CA-C	31.29	1.95	1.52
1	5U	85	LEU	CA-C	31.29	1.95	1.52
1	6M	85	LEU	CA-C	31.29	1.95	1.52
1	6U	85	LEU	CA-C	31.29	1.95	1.52
1	7E	85	LEU	CA-C	31.29	1.95	1.52
1	7Q	85	LEU	CA-C	31.29	1.95	1.52
1	12	85	LEU	CA-C	31.29	1.95	1.52
1	16	85	LEU	CA-C	31.29	1.95	1.52
1	2A	85	LEU	CA-C	31.29	1.95	1.52
1	3Q	85	LEU	CA-C	31.29	1.95	1.52
1	3U	85	LEU	CA-C	31.29	1.95	1.52
1	3Y	85	LEU	CA-C	31.29	1.95	1.52
1	5E	85	LEU	CA-C	31.29	1.95	1.52
1	5I	85	LEU	CA-C	31.29	1.95	1.52
1	5M	85	LEU	CA-C	31.29	1.95	1.52
1	62	85	LEU	CA-C	31.29	1.95	1.52
1	66	85	LEU	CA-C	31.29	1.95	1.52
1	7A	85	LEU	CA-C	31.29	1.95	1.52
1	1M	17	THR	CA-CB	-31.28	1.04	1.53
1	1Q	85	LEU	CA-C	31.28	1.95	1.52
1	1U	85	LEU	CA-C	31.28	1.95	1.52
1	1Y	85	LEU	CA-C	31.28	1.95	1.52
1	2I	17	THR	CA-CB	-31.28	1.04	1.53
1	2Q	85	LEU	CA-C	31.28	1.95	1.52
1	2U	85	LEU	CA-C	31.28	1.95	1.52
1	2Y	85	LEU	CA-C	31.28	1.95	1.52
1	3A	17	THR	CA-CB	-31.28	1.04	1.53
1	3I	17	THR	CA-CB	-31.28	1.04	1.53
1	32	17	THR	CA-CB	-31.28	1.04	1.53
1	4E	17	THR	CA-CB	-31.28	1.04	1.53
1	4Y	17	THR	CA-CB	-31.28	1.04	1.53
1	42	85	LEU	CA-C	31.28	1.95	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	46	85	LEU	CA-C	31.28	1.95	1.52
1	5A	85	LEU	CA-C	31.28	1.95	1.52
1	5U	17	THR	CA-CB	-31.28	1.04	1.53
1	52	85	LEU	CA-C	31.28	1.95	1.52
1	56	85	LEU	CA-C	31.28	1.95	1.52
1	6A	85	LEU	CA-C	31.28	1.95	1.52
1	6M	17	THR	CA-CB	-31.28	1.04	1.53
1	6U	17	THR	CA-CB	-31.28	1.04	1.53
1	7E	17	THR	CA-CB	-31.28	1.04	1.53
1	7Q	17	THR	CA-CB	-31.28	1.04	1.53
1	1E	85	LEU	CA-C	31.28	1.95	1.52
1	2M	85	LEU	CA-C	31.28	1.95	1.52
1	22	85	LEU	CA-C	31.28	1.95	1.52
1	3M	85	LEU	CA-C	31.28	1.95	1.52
1	36	85	LEU	CA-C	31.28	1.95	1.52
1	4I	85	LEU	CA-C	31.28	1.95	1.52
1	4Q	85	LEU	CA-C	31.28	1.95	1.52
1	5Y	85	LEU	CA-C	31.28	1.95	1.52
1	6E	85	LEU	CA-C	31.28	1.95	1.52
1	6Y	85	LEU	CA-C	31.28	1.95	1.52
1	7I	85	LEU	CA-C	31.28	1.95	1.52
1	7U	85	LEU	CA-C	31.28	1.95	1.52
1	1A	17	THR	CA-CB	-31.26	1.04	1.53
1	1A	83	GLY	C-N	31.26	1.77	1.33
1	1I	17	THR	CA-CB	-31.26	1.04	1.53
1	1I	83	GLY	C-N	31.26	1.77	1.33
1	2E	17	THR	CA-CB	-31.26	1.04	1.53
1	2E	83	GLY	C-N	31.26	1.77	1.33
1	26	17	THR	CA-CB	-31.26	1.04	1.53
1	26	83	GLY	C-N	31.26	1.77	1.33
1	3E	17	THR	CA-CB	-31.26	1.04	1.53
1	3E	83	GLY	C-N	31.26	1.77	1.33
1	4A	17	THR	CA-CB	-31.26	1.04	1.53
1	4A	83	GLY	C-N	31.26	1.77	1.33
1	4M	17	THR	CA-CB	-31.26	1.04	1.53
1	4M	83	GLY	C-N	31.26	1.77	1.33
1	4U	17	THR	CA-CB	-31.26	1.04	1.53
1	4U	83	GLY	C-N	31.26	1.77	1.33
1	5Q	17	THR	CA-CB	-31.26	1.04	1.53
1	5Q	83	GLY	C-N	31.26	1.77	1.33
1	6I	17	THR	CA-CB	-31.26	1.04	1.53
1	6I	83	GLY	C-N	31.26	1.77	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6Q	17	THR	CA-CB	-31.26	1.04	1.53
1	6Q	83	GLY	C-N	31.26	1.77	1.33
1	7M	17	THR	CA-CB	-31.26	1.04	1.53
1	7M	83	GLY	C-N	31.26	1.77	1.33
1	1E	17	THR	CA-CB	-31.25	1.04	1.53
1	2M	17	THR	CA-CB	-31.25	1.04	1.53
1	22	17	THR	CA-CB	-31.25	1.04	1.53
1	3M	17	THR	CA-CB	-31.25	1.04	1.53
1	36	17	THR	CA-CB	-31.25	1.04	1.53
1	4I	17	THR	CA-CB	-31.25	1.04	1.53
1	4Q	17	THR	CA-CB	-31.25	1.04	1.53
1	5Y	17	THR	CA-CB	-31.25	1.04	1.53
1	6E	17	THR	CA-CB	-31.25	1.04	1.53
1	6Y	17	THR	CA-CB	-31.25	1.04	1.53
1	7I	17	THR	CA-CB	-31.25	1.04	1.53
1	7U	17	THR	CA-CB	-31.25	1.04	1.53
1	12	17	THR	CA-CB	-31.25	1.04	1.53
1	16	17	THR	CA-CB	-31.25	1.04	1.53
1	2A	17	THR	CA-CB	-31.25	1.04	1.53
1	3Q	17	THR	CA-CB	-31.25	1.04	1.53
1	3U	17	THR	CA-CB	-31.25	1.04	1.53
1	3Y	17	THR	CA-CB	-31.25	1.04	1.53
1	5E	17	THR	CA-CB	-31.25	1.04	1.53
1	5I	17	THR	CA-CB	-31.25	1.04	1.53
1	5M	17	THR	CA-CB	-31.25	1.04	1.53
1	62	17	THR	CA-CB	-31.25	1.04	1.53
1	66	17	THR	CA-CB	-31.25	1.04	1.53
1	7A	17	THR	CA-CB	-31.25	1.04	1.53
1	1Q	17	THR	CA-CB	-31.25	1.04	1.53
1	1U	17	THR	CA-CB	-31.25	1.04	1.53
1	1Y	17	THR	CA-CB	-31.25	1.04	1.53
1	2Q	17	THR	CA-CB	-31.25	1.04	1.53
1	2U	17	THR	CA-CB	-31.25	1.04	1.53
1	2Y	17	THR	CA-CB	-31.25	1.04	1.53
1	42	17	THR	CA-CB	-31.25	1.04	1.53
1	46	17	THR	CA-CB	-31.25	1.04	1.53
1	5A	17	THR	CA-CB	-31.25	1.04	1.53
1	52	17	THR	CA-CB	-31.25	1.04	1.53
1	56	17	THR	CA-CB	-31.25	1.04	1.53
1	6A	17	THR	CA-CB	-31.25	1.04	1.53
1	12	83	GLY	C-N	31.24	1.77	1.33
1	16	83	GLY	C-N	31.24	1.77	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	83	GLY	C-N	31.24	1.77	1.33
1	3Q	83	GLY	C-N	31.24	1.77	1.33
1	3U	83	GLY	C-N	31.24	1.77	1.33
1	3Y	83	GLY	C-N	31.24	1.77	1.33
1	5E	83	GLY	C-N	31.24	1.77	1.33
1	5I	83	GLY	C-N	31.24	1.77	1.33
1	5M	83	GLY	C-N	31.24	1.77	1.33
1	62	83	GLY	C-N	31.24	1.77	1.33
1	66	83	GLY	C-N	31.24	1.77	1.33
1	7A	83	GLY	C-N	31.24	1.77	1.33
1	1Q	83	GLY	C-N	31.22	1.77	1.33
1	1U	83	GLY	C-N	31.22	1.77	1.33
1	1Y	83	GLY	C-N	31.22	1.77	1.33
1	2Q	83	GLY	C-N	31.22	1.77	1.33
1	2U	83	GLY	C-N	31.22	1.77	1.33
1	2Y	83	GLY	C-N	31.22	1.77	1.33
1	42	83	GLY	C-N	31.22	1.77	1.33
1	46	83	GLY	C-N	31.22	1.77	1.33
1	5A	83	GLY	C-N	31.22	1.77	1.33
1	52	83	GLY	C-N	31.22	1.77	1.33
1	56	83	GLY	C-N	31.22	1.77	1.33
1	6A	83	GLY	C-N	31.22	1.77	1.33
1	1A	12	MET	N-CA	-31.14	1.07	1.45
1	1I	12	MET	N-CA	-31.14	1.07	1.45
1	12	12	MET	N-CA	-31.14	1.07	1.45
1	16	12	MET	N-CA	-31.14	1.07	1.45
1	2A	12	MET	N-CA	-31.14	1.07	1.45
1	2E	12	MET	N-CA	-31.14	1.07	1.45
1	26	12	MET	N-CA	-31.14	1.07	1.45
1	3E	12	MET	N-CA	-31.14	1.07	1.45
1	3Q	12	MET	N-CA	-31.14	1.07	1.45
1	3U	12	MET	N-CA	-31.14	1.07	1.45
1	3Y	12	MET	N-CA	-31.14	1.07	1.45
1	4A	12	MET	N-CA	-31.14	1.07	1.45
1	4M	12	MET	N-CA	-31.14	1.07	1.45
1	4U	12	MET	N-CA	-31.14	1.07	1.45
1	5E	12	MET	N-CA	-31.14	1.07	1.45
1	5I	12	MET	N-CA	-31.14	1.07	1.45
1	5M	12	MET	N-CA	-31.14	1.07	1.45
1	5Q	12	MET	N-CA	-31.14	1.07	1.45
1	6I	12	MET	N-CA	-31.14	1.07	1.45
1	6Q	12	MET	N-CA	-31.14	1.07	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	62	12	MET	N-CA	-31.14	1.07	1.45
1	66	12	MET	N-CA	-31.14	1.07	1.45
1	7A	12	MET	N-CA	-31.14	1.07	1.45
1	7M	12	MET	N-CA	-31.14	1.07	1.45
1	1E	12	MET	N-CA	-31.12	1.07	1.45
1	2M	12	MET	N-CA	-31.12	1.07	1.45
1	22	12	MET	N-CA	-31.12	1.07	1.45
1	3M	12	MET	N-CA	-31.12	1.07	1.45
1	36	12	MET	N-CA	-31.12	1.07	1.45
1	4I	12	MET	N-CA	-31.12	1.07	1.45
1	4Q	12	MET	N-CA	-31.12	1.07	1.45
1	5Y	12	MET	N-CA	-31.12	1.07	1.45
1	6E	12	MET	N-CA	-31.12	1.07	1.45
1	6Y	12	MET	N-CA	-31.12	1.07	1.45
1	7I	12	MET	N-CA	-31.12	1.07	1.45
1	7U	12	MET	N-CA	-31.12	1.07	1.45
1	1Q	12	MET	N-CA	-31.11	1.07	1.45
1	1U	12	MET	N-CA	-31.11	1.07	1.45
1	1Y	12	MET	N-CA	-31.11	1.07	1.45
1	2Q	12	MET	N-CA	-31.11	1.07	1.45
1	2U	12	MET	N-CA	-31.11	1.07	1.45
1	2Y	12	MET	N-CA	-31.11	1.07	1.45
1	42	12	MET	N-CA	-31.11	1.07	1.45
1	46	12	MET	N-CA	-31.11	1.07	1.45
1	5A	12	MET	N-CA	-31.11	1.07	1.45
1	52	12	MET	N-CA	-31.11	1.07	1.45
1	56	12	MET	N-CA	-31.11	1.07	1.45
1	6A	12	MET	N-CA	-31.11	1.07	1.45
1	1M	12	MET	N-CA	-31.11	1.07	1.45
1	2I	12	MET	N-CA	-31.11	1.07	1.45
1	3A	12	MET	N-CA	-31.11	1.07	1.45
1	3I	12	MET	N-CA	-31.11	1.07	1.45
1	32	12	MET	N-CA	-31.11	1.07	1.45
1	4E	12	MET	N-CA	-31.11	1.07	1.45
1	4Y	12	MET	N-CA	-31.11	1.07	1.45
1	5U	12	MET	N-CA	-31.11	1.07	1.45
1	6M	12	MET	N-CA	-31.11	1.07	1.45
1	6U	12	MET	N-CA	-31.11	1.07	1.45
1	7E	12	MET	N-CA	-31.11	1.07	1.45
1	7Q	12	MET	N-CA	-31.11	1.07	1.45
2	1F	70	TRP	CA-C	30.98	1.89	1.52
2	2N	70	TRP	CA-C	30.98	1.89	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	70	TRP	CA-C	30.98	1.89	1.52
2	3N	70	TRP	CA-C	30.98	1.89	1.52
2	37	70	TRP	CA-C	30.98	1.89	1.52
2	4J	70	TRP	CA-C	30.98	1.89	1.52
2	4R	70	TRP	CA-C	30.98	1.89	1.52
2	5Z	70	TRP	CA-C	30.98	1.89	1.52
2	6F	70	TRP	CA-C	30.98	1.89	1.52
2	6Z	70	TRP	CA-C	30.98	1.89	1.52
2	7J	70	TRP	CA-C	30.98	1.89	1.52
2	7V	70	TRP	CA-C	30.98	1.89	1.52
2	13	70	TRP	CA-C	30.96	1.89	1.52
2	17	70	TRP	CA-C	30.96	1.89	1.52
2	2B	70	TRP	CA-C	30.96	1.89	1.52
2	3R	70	TRP	CA-C	30.96	1.89	1.52
2	3V	70	TRP	CA-C	30.96	1.89	1.52
2	3Z	70	TRP	CA-C	30.96	1.89	1.52
2	5F	70	TRP	CA-C	30.96	1.89	1.52
2	5J	70	TRP	CA-C	30.96	1.89	1.52
2	5N	70	TRP	CA-C	30.96	1.89	1.52
2	63	70	TRP	CA-C	30.96	1.89	1.52
2	67	70	TRP	CA-C	30.96	1.89	1.52
2	7B	70	TRP	CA-C	30.96	1.89	1.52
2	1R	70	TRP	CA-C	30.95	1.89	1.52
2	1V	70	TRP	CA-C	30.95	1.89	1.52
2	1Z	70	TRP	CA-C	30.95	1.89	1.52
2	2R	70	TRP	CA-C	30.95	1.89	1.52
2	2V	70	TRP	CA-C	30.95	1.89	1.52
2	2Z	70	TRP	CA-C	30.95	1.89	1.52
2	43	70	TRP	CA-C	30.95	1.89	1.52
2	47	70	TRP	CA-C	30.95	1.89	1.52
2	5B	70	TRP	CA-C	30.95	1.89	1.52
2	53	70	TRP	CA-C	30.95	1.89	1.52
2	57	70	TRP	CA-C	30.95	1.89	1.52
2	6B	70	TRP	CA-C	30.95	1.89	1.52
2	1B	70	TRP	CA-C	30.94	1.89	1.52
2	1J	70	TRP	CA-C	30.94	1.89	1.52
2	2F	70	TRP	CA-C	30.94	1.89	1.52
2	27	70	TRP	CA-C	30.94	1.89	1.52
2	3F	70	TRP	CA-C	30.94	1.89	1.52
2	4B	70	TRP	CA-C	30.94	1.89	1.52
2	4N	70	TRP	CA-C	30.94	1.89	1.52
2	4V	70	TRP	CA-C	30.94	1.89	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	70	TRP	CA-C	30.94	1.89	1.52
2	6J	70	TRP	CA-C	30.94	1.89	1.52
2	6R	70	TRP	CA-C	30.94	1.89	1.52
2	7N	70	TRP	CA-C	30.94	1.89	1.52
2	1N	70	TRP	CA-C	30.91	1.89	1.52
2	2J	70	TRP	CA-C	30.91	1.89	1.52
2	3B	70	TRP	CA-C	30.91	1.89	1.52
2	3J	70	TRP	CA-C	30.91	1.89	1.52
2	33	70	TRP	CA-C	30.91	1.89	1.52
2	4F	70	TRP	CA-C	30.91	1.89	1.52
2	4Z	70	TRP	CA-C	30.91	1.89	1.52
2	5V	70	TRP	CA-C	30.91	1.89	1.52
2	6N	70	TRP	CA-C	30.91	1.89	1.52
2	6V	70	TRP	CA-C	30.91	1.89	1.52
2	7F	70	TRP	CA-C	30.91	1.89	1.52
2	7R	70	TRP	CA-C	30.91	1.89	1.52
2	1N	32	SER	CA-C	-30.83	1.16	1.52
2	2J	32	SER	CA-C	-30.83	1.16	1.52
2	3B	32	SER	CA-C	-30.83	1.16	1.52
2	3J	32	SER	CA-C	-30.83	1.16	1.52
2	33	32	SER	CA-C	-30.83	1.16	1.52
2	4F	32	SER	CA-C	-30.83	1.16	1.52
2	4Z	32	SER	CA-C	-30.83	1.16	1.52
2	5V	32	SER	CA-C	-30.83	1.16	1.52
2	6N	32	SER	CA-C	-30.83	1.16	1.52
2	6V	32	SER	CA-C	-30.83	1.16	1.52
2	7F	32	SER	CA-C	-30.83	1.16	1.52
2	7R	32	SER	CA-C	-30.83	1.16	1.52
2	1F	32	SER	CA-C	-30.83	1.16	1.52
2	2N	32	SER	CA-C	-30.83	1.16	1.52
2	23	32	SER	CA-C	-30.83	1.16	1.52
2	3N	32	SER	CA-C	-30.83	1.16	1.52
2	37	32	SER	CA-C	-30.83	1.16	1.52
2	4J	32	SER	CA-C	-30.83	1.16	1.52
2	4R	32	SER	CA-C	-30.83	1.16	1.52
2	5Z	32	SER	CA-C	-30.83	1.16	1.52
2	6F	32	SER	CA-C	-30.83	1.16	1.52
2	6Z	32	SER	CA-C	-30.83	1.16	1.52
2	7J	32	SER	CA-C	-30.83	1.16	1.52
2	7V	32	SER	CA-C	-30.83	1.16	1.52
2	1B	32	SER	CA-C	-30.80	1.16	1.52
2	1J	32	SER	CA-C	-30.80	1.16	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	32	SER	CA-C	-30.80	1.16	1.52
2	27	32	SER	CA-C	-30.80	1.16	1.52
2	3F	32	SER	CA-C	-30.80	1.16	1.52
2	4B	32	SER	CA-C	-30.80	1.16	1.52
2	4N	32	SER	CA-C	-30.80	1.16	1.52
2	4V	32	SER	CA-C	-30.80	1.16	1.52
2	5R	32	SER	CA-C	-30.80	1.16	1.52
2	6J	32	SER	CA-C	-30.80	1.16	1.52
2	6R	32	SER	CA-C	-30.80	1.16	1.52
2	7N	32	SER	CA-C	-30.80	1.16	1.52
2	1R	32	SER	CA-C	-30.79	1.16	1.52
2	1V	32	SER	CA-C	-30.79	1.16	1.52
2	1Z	32	SER	CA-C	-30.79	1.16	1.52
2	13	32	SER	CA-C	-30.79	1.16	1.52
2	17	32	SER	CA-C	-30.79	1.16	1.52
2	2B	32	SER	CA-C	-30.79	1.16	1.52
2	2R	32	SER	CA-C	-30.79	1.16	1.52
2	2V	32	SER	CA-C	-30.79	1.16	1.52
2	2Z	32	SER	CA-C	-30.79	1.16	1.52
2	3R	32	SER	CA-C	-30.79	1.16	1.52
2	3V	32	SER	CA-C	-30.79	1.16	1.52
2	3Z	32	SER	CA-C	-30.79	1.16	1.52
2	43	32	SER	CA-C	-30.79	1.16	1.52
2	47	32	SER	CA-C	-30.79	1.16	1.52
2	5B	32	SER	CA-C	-30.79	1.16	1.52
2	5F	32	SER	CA-C	-30.79	1.16	1.52
2	5J	32	SER	CA-C	-30.79	1.16	1.52
2	5N	32	SER	CA-C	-30.79	1.16	1.52
2	53	32	SER	CA-C	-30.79	1.16	1.52
2	57	32	SER	CA-C	-30.79	1.16	1.52
2	6B	32	SER	CA-C	-30.79	1.16	1.52
2	63	32	SER	CA-C	-30.79	1.16	1.52
2	67	32	SER	CA-C	-30.79	1.16	1.52
2	7B	32	SER	CA-C	-30.79	1.16	1.52
2	1R	227	TYR	CE1-CZ	30.70	2.12	1.38
2	1V	227	TYR	CE1-CZ	30.70	2.12	1.38
2	1Z	227	TYR	CE1-CZ	30.70	2.12	1.38
2	2R	227	TYR	CE1-CZ	30.70	2.12	1.38
2	2V	227	TYR	CE1-CZ	30.70	2.12	1.38
2	2Z	227	TYR	CE1-CZ	30.70	2.12	1.38
2	43	227	TYR	CE1-CZ	30.70	2.12	1.38
2	47	227	TYR	CE1-CZ	30.70	2.12	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	227	TYR	CE1-CZ	30.70	2.12	1.38
2	53	227	TYR	CE1-CZ	30.70	2.12	1.38
2	57	227	TYR	CE1-CZ	30.70	2.12	1.38
2	6B	227	TYR	CE1-CZ	30.70	2.12	1.38
2	1F	227	TYR	CE1-CZ	30.70	2.12	1.38
2	2N	227	TYR	CE1-CZ	30.70	2.12	1.38
2	23	227	TYR	CE1-CZ	30.70	2.12	1.38
2	3N	227	TYR	CE1-CZ	30.70	2.12	1.38
2	37	227	TYR	CE1-CZ	30.70	2.12	1.38
2	4J	227	TYR	CE1-CZ	30.70	2.12	1.38
2	4R	227	TYR	CE1-CZ	30.70	2.12	1.38
2	5Z	227	TYR	CE1-CZ	30.70	2.12	1.38
2	6F	227	TYR	CE1-CZ	30.70	2.12	1.38
2	6Z	227	TYR	CE1-CZ	30.70	2.12	1.38
2	7J	227	TYR	CE1-CZ	30.70	2.12	1.38
2	7V	227	TYR	CE1-CZ	30.70	2.12	1.38
2	1N	227	TYR	CE1-CZ	30.70	2.12	1.38
2	2J	227	TYR	CE1-CZ	30.70	2.12	1.38
2	3B	227	TYR	CE1-CZ	30.70	2.12	1.38
2	3J	227	TYR	CE1-CZ	30.70	2.12	1.38
2	33	227	TYR	CE1-CZ	30.70	2.12	1.38
2	4F	227	TYR	CE1-CZ	30.70	2.12	1.38
2	4Z	227	TYR	CE1-CZ	30.70	2.12	1.38
2	5V	227	TYR	CE1-CZ	30.70	2.12	1.38
2	6N	227	TYR	CE1-CZ	30.70	2.12	1.38
2	6V	227	TYR	CE1-CZ	30.70	2.12	1.38
2	7F	227	TYR	CE1-CZ	30.70	2.12	1.38
2	7R	227	TYR	CE1-CZ	30.70	2.12	1.38
2	1B	227	TYR	CE1-CZ	30.68	2.11	1.38
2	1J	227	TYR	CE1-CZ	30.68	2.11	1.38
2	13	227	TYR	CE1-CZ	30.68	2.11	1.38
2	17	227	TYR	CE1-CZ	30.68	2.11	1.38
2	2B	227	TYR	CE1-CZ	30.68	2.11	1.38
2	2F	227	TYR	CE1-CZ	30.68	2.11	1.38
2	27	227	TYR	CE1-CZ	30.68	2.11	1.38
2	3F	227	TYR	CE1-CZ	30.68	2.11	1.38
2	3R	227	TYR	CE1-CZ	30.68	2.11	1.38
2	3V	227	TYR	CE1-CZ	30.68	2.11	1.38
2	3Z	227	TYR	CE1-CZ	30.68	2.11	1.38
2	4B	227	TYR	CE1-CZ	30.68	2.11	1.38
2	4N	227	TYR	CE1-CZ	30.68	2.11	1.38
2	4V	227	TYR	CE1-CZ	30.68	2.11	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5F	227	TYR	CE1-CZ	30.68	2.11	1.38
2	5J	227	TYR	CE1-CZ	30.68	2.11	1.38
2	5N	227	TYR	CE1-CZ	30.68	2.11	1.38
2	5R	227	TYR	CE1-CZ	30.68	2.11	1.38
2	6J	227	TYR	CE1-CZ	30.68	2.11	1.38
2	6R	227	TYR	CE1-CZ	30.68	2.11	1.38
2	63	227	TYR	CE1-CZ	30.68	2.11	1.38
2	67	227	TYR	CE1-CZ	30.68	2.11	1.38
2	7B	227	TYR	CE1-CZ	30.68	2.11	1.38
2	7N	227	TYR	CE1-CZ	30.68	2.11	1.38
2	1F	39	ASP	CA-CB	-30.42	1.00	1.53
2	2N	39	ASP	CA-CB	-30.42	1.00	1.53
2	23	39	ASP	CA-CB	-30.42	1.00	1.53
2	3N	39	ASP	CA-CB	-30.42	1.00	1.53
2	37	39	ASP	CA-CB	-30.42	1.00	1.53
2	4J	39	ASP	CA-CB	-30.42	1.00	1.53
2	4R	39	ASP	CA-CB	-30.42	1.00	1.53
2	5Z	39	ASP	CA-CB	-30.42	1.00	1.53
2	6F	39	ASP	CA-CB	-30.42	1.00	1.53
2	6Z	39	ASP	CA-CB	-30.42	1.00	1.53
2	7J	39	ASP	CA-CB	-30.42	1.00	1.53
2	7V	39	ASP	CA-CB	-30.42	1.00	1.53
2	13	39	ASP	CA-CB	-30.40	1.00	1.53
2	17	39	ASP	CA-CB	-30.40	1.00	1.53
2	2B	39	ASP	CA-CB	-30.40	1.00	1.53
2	3R	39	ASP	CA-CB	-30.40	1.00	1.53
2	3V	39	ASP	CA-CB	-30.40	1.00	1.53
2	3Z	39	ASP	CA-CB	-30.40	1.00	1.53
2	5F	39	ASP	CA-CB	-30.40	1.00	1.53
2	5J	39	ASP	CA-CB	-30.40	1.00	1.53
2	5N	39	ASP	CA-CB	-30.40	1.00	1.53
2	63	39	ASP	CA-CB	-30.40	1.00	1.53
2	67	39	ASP	CA-CB	-30.40	1.00	1.53
2	7B	39	ASP	CA-CB	-30.40	1.00	1.53
2	1N	39	ASP	CA-CB	-30.39	1.00	1.53
2	2J	39	ASP	CA-CB	-30.39	1.00	1.53
2	3B	39	ASP	CA-CB	-30.39	1.00	1.53
2	3J	39	ASP	CA-CB	-30.39	1.00	1.53
2	33	39	ASP	CA-CB	-30.39	1.00	1.53
2	4F	39	ASP	CA-CB	-30.39	1.00	1.53
2	4Z	39	ASP	CA-CB	-30.39	1.00	1.53
2	5V	39	ASP	CA-CB	-30.39	1.00	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	39	ASP	CA-CB	-30.39	1.00	1.53
2	6V	39	ASP	CA-CB	-30.39	1.00	1.53
2	7F	39	ASP	CA-CB	-30.39	1.00	1.53
2	7R	39	ASP	CA-CB	-30.39	1.00	1.53
2	1B	39	ASP	CA-CB	-30.37	1.00	1.53
2	1J	39	ASP	CA-CB	-30.37	1.00	1.53
2	2F	39	ASP	CA-CB	-30.37	1.00	1.53
2	27	39	ASP	CA-CB	-30.37	1.00	1.53
2	3F	39	ASP	CA-CB	-30.37	1.00	1.53
2	4B	39	ASP	CA-CB	-30.37	1.00	1.53
2	4N	39	ASP	CA-CB	-30.37	1.00	1.53
2	4V	39	ASP	CA-CB	-30.37	1.00	1.53
2	5R	39	ASP	CA-CB	-30.37	1.00	1.53
2	6J	39	ASP	CA-CB	-30.37	1.00	1.53
2	6R	39	ASP	CA-CB	-30.37	1.00	1.53
2	7N	39	ASP	CA-CB	-30.37	1.00	1.53
2	1R	39	ASP	CA-CB	-30.36	1.00	1.53
2	1V	39	ASP	CA-CB	-30.36	1.00	1.53
2	1Z	39	ASP	CA-CB	-30.36	1.00	1.53
2	2R	39	ASP	CA-CB	-30.36	1.00	1.53
2	2V	39	ASP	CA-CB	-30.36	1.00	1.53
2	2Z	39	ASP	CA-CB	-30.36	1.00	1.53
2	43	39	ASP	CA-CB	-30.36	1.00	1.53
2	47	39	ASP	CA-CB	-30.36	1.00	1.53
2	5B	39	ASP	CA-CB	-30.36	1.00	1.53
2	53	39	ASP	CA-CB	-30.36	1.00	1.53
2	57	39	ASP	CA-CB	-30.36	1.00	1.53
2	6B	39	ASP	CA-CB	-30.36	1.00	1.53
2	1F	220	PHE	N-CA	30.30	1.84	1.46
2	2N	220	PHE	N-CA	30.30	1.84	1.46
2	23	220	PHE	N-CA	30.30	1.84	1.46
2	3N	220	PHE	N-CA	30.30	1.84	1.46
2	37	220	PHE	N-CA	30.30	1.84	1.46
2	4J	220	PHE	N-CA	30.30	1.84	1.46
2	4R	220	PHE	N-CA	30.30	1.84	1.46
2	5Z	220	PHE	N-CA	30.30	1.84	1.46
2	6F	220	PHE	N-CA	30.30	1.84	1.46
2	6Z	220	PHE	N-CA	30.30	1.84	1.46
2	7J	220	PHE	N-CA	30.30	1.84	1.46
2	7V	220	PHE	N-CA	30.30	1.84	1.46
2	1R	220	PHE	N-CA	30.30	1.84	1.46
2	1V	220	PHE	N-CA	30.30	1.84	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	220	PHE	N-CA	30.30	1.84	1.46
2	2R	220	PHE	N-CA	30.30	1.84	1.46
2	2V	220	PHE	N-CA	30.30	1.84	1.46
2	2Z	220	PHE	N-CA	30.30	1.84	1.46
2	43	220	PHE	N-CA	30.30	1.84	1.46
2	47	220	PHE	N-CA	30.30	1.84	1.46
2	5B	220	PHE	N-CA	30.30	1.84	1.46
2	53	220	PHE	N-CA	30.30	1.84	1.46
2	57	220	PHE	N-CA	30.30	1.84	1.46
2	6B	220	PHE	N-CA	30.30	1.84	1.46
2	1B	220	PHE	N-CA	30.28	1.84	1.46
2	1J	220	PHE	N-CA	30.28	1.84	1.46
2	2F	220	PHE	N-CA	30.28	1.84	1.46
2	27	220	PHE	N-CA	30.28	1.84	1.46
2	3F	220	PHE	N-CA	30.28	1.84	1.46
2	4B	220	PHE	N-CA	30.28	1.84	1.46
2	4N	220	PHE	N-CA	30.28	1.84	1.46
2	4V	220	PHE	N-CA	30.28	1.84	1.46
2	5R	220	PHE	N-CA	30.28	1.84	1.46
2	6J	220	PHE	N-CA	30.28	1.84	1.46
2	6R	220	PHE	N-CA	30.28	1.84	1.46
2	7N	220	PHE	N-CA	30.28	1.84	1.46
2	1N	220	PHE	N-CA	30.27	1.84	1.46
2	2J	220	PHE	N-CA	30.27	1.84	1.46
2	3B	220	PHE	N-CA	30.27	1.84	1.46
2	3J	220	PHE	N-CA	30.27	1.84	1.46
2	33	220	PHE	N-CA	30.27	1.84	1.46
2	4F	220	PHE	N-CA	30.27	1.84	1.46
2	4Z	220	PHE	N-CA	30.27	1.84	1.46
2	5V	220	PHE	N-CA	30.27	1.84	1.46
2	6N	220	PHE	N-CA	30.27	1.84	1.46
2	6V	220	PHE	N-CA	30.27	1.84	1.46
2	7F	220	PHE	N-CA	30.27	1.84	1.46
2	7R	220	PHE	N-CA	30.27	1.84	1.46
2	13	220	PHE	N-CA	30.27	1.84	1.46
2	17	220	PHE	N-CA	30.27	1.84	1.46
2	2B	220	PHE	N-CA	30.27	1.84	1.46
2	3R	220	PHE	N-CA	30.27	1.84	1.46
2	3V	220	PHE	N-CA	30.27	1.84	1.46
2	3Z	220	PHE	N-CA	30.27	1.84	1.46
2	5F	220	PHE	N-CA	30.27	1.84	1.46
2	5J	220	PHE	N-CA	30.27	1.84	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	220	PHE	N-CA	30.27	1.84	1.46
2	63	220	PHE	N-CA	30.27	1.84	1.46
2	67	220	PHE	N-CA	30.27	1.84	1.46
2	7B	220	PHE	N-CA	30.27	1.84	1.46
2	1F	23	HIS	CG-CD2	-30.22	1.02	1.35
2	2N	23	HIS	CG-CD2	-30.22	1.02	1.35
2	23	23	HIS	CG-CD2	-30.22	1.02	1.35
2	3N	23	HIS	CG-CD2	-30.22	1.02	1.35
2	37	23	HIS	CG-CD2	-30.22	1.02	1.35
2	4J	23	HIS	CG-CD2	-30.22	1.02	1.35
2	4R	23	HIS	CG-CD2	-30.22	1.02	1.35
2	5Z	23	HIS	CG-CD2	-30.22	1.02	1.35
2	6F	23	HIS	CG-CD2	-30.22	1.02	1.35
2	6Z	23	HIS	CG-CD2	-30.22	1.02	1.35
2	7J	23	HIS	CG-CD2	-30.22	1.02	1.35
2	7V	23	HIS	CG-CD2	-30.22	1.02	1.35
2	1B	23	HIS	CG-CD2	-30.17	1.02	1.35
2	1J	23	HIS	CG-CD2	-30.17	1.02	1.35
2	2F	23	HIS	CG-CD2	-30.17	1.02	1.35
2	27	23	HIS	CG-CD2	-30.17	1.02	1.35
2	3F	23	HIS	CG-CD2	-30.17	1.02	1.35
2	4B	23	HIS	CG-CD2	-30.17	1.02	1.35
2	4N	23	HIS	CG-CD2	-30.17	1.02	1.35
2	4V	23	HIS	CG-CD2	-30.17	1.02	1.35
2	5R	23	HIS	CG-CD2	-30.17	1.02	1.35
2	6J	23	HIS	CG-CD2	-30.17	1.02	1.35
2	6R	23	HIS	CG-CD2	-30.17	1.02	1.35
2	7N	23	HIS	CG-CD2	-30.17	1.02	1.35
2	1R	23	HIS	CG-CD2	-30.15	1.02	1.35
2	1V	23	HIS	CG-CD2	-30.15	1.02	1.35
2	1Z	23	HIS	CG-CD2	-30.15	1.02	1.35
2	2R	23	HIS	CG-CD2	-30.15	1.02	1.35
2	2V	23	HIS	CG-CD2	-30.15	1.02	1.35
2	2Z	23	HIS	CG-CD2	-30.15	1.02	1.35
2	43	23	HIS	CG-CD2	-30.15	1.02	1.35
2	47	23	HIS	CG-CD2	-30.15	1.02	1.35
2	5B	23	HIS	CG-CD2	-30.15	1.02	1.35
2	53	23	HIS	CG-CD2	-30.15	1.02	1.35
2	57	23	HIS	CG-CD2	-30.15	1.02	1.35
2	6B	23	HIS	CG-CD2	-30.15	1.02	1.35
2	13	23	HIS	CG-CD2	-30.14	1.02	1.35
2	17	23	HIS	CG-CD2	-30.14	1.02	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	23	HIS	CG-CD2	-30.14	1.02	1.35
2	3R	23	HIS	CG-CD2	-30.14	1.02	1.35
2	3V	23	HIS	CG-CD2	-30.14	1.02	1.35
2	3Z	23	HIS	CG-CD2	-30.14	1.02	1.35
2	5F	23	HIS	CG-CD2	-30.14	1.02	1.35
2	5J	23	HIS	CG-CD2	-30.14	1.02	1.35
2	5N	23	HIS	CG-CD2	-30.14	1.02	1.35
2	63	23	HIS	CG-CD2	-30.14	1.02	1.35
2	67	23	HIS	CG-CD2	-30.14	1.02	1.35
2	7B	23	HIS	CG-CD2	-30.14	1.02	1.35
1	1Q	155	PRO	N-CD	-30.14	1.05	1.47
1	1U	155	PRO	N-CD	-30.14	1.05	1.47
1	1Y	155	PRO	N-CD	-30.14	1.05	1.47
1	2Q	155	PRO	N-CD	-30.14	1.05	1.47
1	2U	155	PRO	N-CD	-30.14	1.05	1.47
1	2Y	155	PRO	N-CD	-30.14	1.05	1.47
1	42	155	PRO	N-CD	-30.14	1.05	1.47
1	46	155	PRO	N-CD	-30.14	1.05	1.47
1	5A	155	PRO	N-CD	-30.14	1.05	1.47
1	52	155	PRO	N-CD	-30.14	1.05	1.47
1	56	155	PRO	N-CD	-30.14	1.05	1.47
1	6A	155	PRO	N-CD	-30.14	1.05	1.47
1	12	155	PRO	N-CD	-30.13	1.05	1.47
1	16	155	PRO	N-CD	-30.13	1.05	1.47
1	2A	155	PRO	N-CD	-30.13	1.05	1.47
1	3Q	155	PRO	N-CD	-30.13	1.05	1.47
1	3U	155	PRO	N-CD	-30.13	1.05	1.47
1	3Y	155	PRO	N-CD	-30.13	1.05	1.47
1	5E	155	PRO	N-CD	-30.13	1.05	1.47
1	5I	155	PRO	N-CD	-30.13	1.05	1.47
1	5M	155	PRO	N-CD	-30.13	1.05	1.47
1	62	155	PRO	N-CD	-30.13	1.05	1.47
1	66	155	PRO	N-CD	-30.13	1.05	1.47
1	7A	155	PRO	N-CD	-30.13	1.05	1.47
1	1E	155	PRO	N-CD	-30.13	1.05	1.47
1	2M	155	PRO	N-CD	-30.13	1.05	1.47
1	22	155	PRO	N-CD	-30.13	1.05	1.47
1	3M	155	PRO	N-CD	-30.13	1.05	1.47
1	36	155	PRO	N-CD	-30.13	1.05	1.47
1	4I	155	PRO	N-CD	-30.13	1.05	1.47
1	4Q	155	PRO	N-CD	-30.13	1.05	1.47
1	5Y	155	PRO	N-CD	-30.13	1.05	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	155	PRO	N-CD	-30.13	1.05	1.47
1	6Y	155	PRO	N-CD	-30.13	1.05	1.47
1	7I	155	PRO	N-CD	-30.13	1.05	1.47
1	7U	155	PRO	N-CD	-30.13	1.05	1.47
1	1A	155	PRO	N-CD	-30.12	1.05	1.47
1	1I	155	PRO	N-CD	-30.12	1.05	1.47
2	1N	23	HIS	CG-CD2	-30.12	1.02	1.35
1	2E	155	PRO	N-CD	-30.12	1.05	1.47
2	2J	23	HIS	CG-CD2	-30.12	1.02	1.35
1	26	155	PRO	N-CD	-30.12	1.05	1.47
2	3B	23	HIS	CG-CD2	-30.12	1.02	1.35
1	3E	155	PRO	N-CD	-30.12	1.05	1.47
2	3J	23	HIS	CG-CD2	-30.12	1.02	1.35
2	33	23	HIS	CG-CD2	-30.12	1.02	1.35
1	4A	155	PRO	N-CD	-30.12	1.05	1.47
2	4F	23	HIS	CG-CD2	-30.12	1.02	1.35
1	4M	155	PRO	N-CD	-30.12	1.05	1.47
1	4U	155	PRO	N-CD	-30.12	1.05	1.47
2	4Z	23	HIS	CG-CD2	-30.12	1.02	1.35
1	5Q	155	PRO	N-CD	-30.12	1.05	1.47
2	5V	23	HIS	CG-CD2	-30.12	1.02	1.35
1	6I	155	PRO	N-CD	-30.12	1.05	1.47
2	6N	23	HIS	CG-CD2	-30.12	1.02	1.35
1	6Q	155	PRO	N-CD	-30.12	1.05	1.47
2	6V	23	HIS	CG-CD2	-30.12	1.02	1.35
2	7F	23	HIS	CG-CD2	-30.12	1.02	1.35
1	7M	155	PRO	N-CD	-30.12	1.05	1.47
2	7R	23	HIS	CG-CD2	-30.12	1.02	1.35
1	1M	155	PRO	N-CD	-30.10	1.05	1.47
1	2I	155	PRO	N-CD	-30.10	1.05	1.47
1	3A	155	PRO	N-CD	-30.10	1.05	1.47
1	3I	155	PRO	N-CD	-30.10	1.05	1.47
1	32	155	PRO	N-CD	-30.10	1.05	1.47
1	4E	155	PRO	N-CD	-30.10	1.05	1.47
1	4Y	155	PRO	N-CD	-30.10	1.05	1.47
1	5U	155	PRO	N-CD	-30.10	1.05	1.47
1	6M	155	PRO	N-CD	-30.10	1.05	1.47
1	6U	155	PRO	N-CD	-30.10	1.05	1.47
1	7E	155	PRO	N-CD	-30.10	1.05	1.47
1	7Q	155	PRO	N-CD	-30.10	1.05	1.47
1	1M	40	SER	C-O	-30.02	0.86	1.23
1	2I	40	SER	C-O	-30.02	0.86	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	40	SER	C-O	-30.02	0.86	1.23
1	3I	40	SER	C-O	-30.02	0.86	1.23
1	32	40	SER	C-O	-30.02	0.86	1.23
1	4E	40	SER	C-O	-30.02	0.86	1.23
1	4Y	40	SER	C-O	-30.02	0.86	1.23
1	5U	40	SER	C-O	-30.02	0.86	1.23
1	6M	40	SER	C-O	-30.02	0.86	1.23
1	6U	40	SER	C-O	-30.02	0.86	1.23
1	7E	40	SER	C-O	-30.02	0.86	1.23
1	7Q	40	SER	C-O	-30.02	0.86	1.23
1	12	40	SER	C-O	-30.01	0.86	1.23
1	16	40	SER	C-O	-30.01	0.86	1.23
1	2A	40	SER	C-O	-30.01	0.86	1.23
1	3Q	40	SER	C-O	-30.01	0.86	1.23
1	3U	40	SER	C-O	-30.01	0.86	1.23
1	3Y	40	SER	C-O	-30.01	0.86	1.23
1	5E	40	SER	C-O	-30.01	0.86	1.23
1	5I	40	SER	C-O	-30.01	0.86	1.23
1	5M	40	SER	C-O	-30.01	0.86	1.23
1	62	40	SER	C-O	-30.01	0.86	1.23
1	66	40	SER	C-O	-30.01	0.86	1.23
1	7A	40	SER	C-O	-30.01	0.86	1.23
1	1A	40	SER	C-O	-30.00	0.86	1.23
1	1I	40	SER	C-O	-30.00	0.86	1.23
1	2E	40	SER	C-O	-30.00	0.86	1.23
1	26	40	SER	C-O	-30.00	0.86	1.23
1	3E	40	SER	C-O	-30.00	0.86	1.23
1	4A	40	SER	C-O	-30.00	0.86	1.23
1	4M	40	SER	C-O	-30.00	0.86	1.23
1	4U	40	SER	C-O	-30.00	0.86	1.23
1	5Q	40	SER	C-O	-30.00	0.86	1.23
1	6I	40	SER	C-O	-30.00	0.86	1.23
1	6Q	40	SER	C-O	-30.00	0.86	1.23
1	7M	40	SER	C-O	-30.00	0.86	1.23
2	1R	219	VAL	N-CA	-29.98	1.10	1.46
2	1V	219	VAL	N-CA	-29.98	1.10	1.46
2	1Z	219	VAL	N-CA	-29.98	1.10	1.46
2	13	219	VAL	N-CA	-29.98	1.10	1.46
2	17	219	VAL	N-CA	-29.98	1.10	1.46
2	2B	219	VAL	N-CA	-29.98	1.10	1.46
2	2R	219	VAL	N-CA	-29.98	1.10	1.46
2	2V	219	VAL	N-CA	-29.98	1.10	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2Z	219	VAL	N-CA	-29.98	1.10	1.46
2	3R	219	VAL	N-CA	-29.98	1.10	1.46
2	3V	219	VAL	N-CA	-29.98	1.10	1.46
2	3Z	219	VAL	N-CA	-29.98	1.10	1.46
2	43	219	VAL	N-CA	-29.98	1.10	1.46
2	47	219	VAL	N-CA	-29.98	1.10	1.46
2	5B	219	VAL	N-CA	-29.98	1.10	1.46
2	5F	219	VAL	N-CA	-29.98	1.10	1.46
2	5J	219	VAL	N-CA	-29.98	1.10	1.46
2	5N	219	VAL	N-CA	-29.98	1.10	1.46
2	53	219	VAL	N-CA	-29.98	1.10	1.46
2	57	219	VAL	N-CA	-29.98	1.10	1.46
2	6B	219	VAL	N-CA	-29.98	1.10	1.46
2	63	219	VAL	N-CA	-29.98	1.10	1.46
2	67	219	VAL	N-CA	-29.98	1.10	1.46
2	7B	219	VAL	N-CA	-29.98	1.10	1.46
2	1N	219	VAL	N-CA	-29.98	1.10	1.46
2	2J	219	VAL	N-CA	-29.98	1.10	1.46
2	3B	219	VAL	N-CA	-29.98	1.10	1.46
2	3J	219	VAL	N-CA	-29.98	1.10	1.46
2	33	219	VAL	N-CA	-29.98	1.10	1.46
2	4F	219	VAL	N-CA	-29.98	1.10	1.46
2	4Z	219	VAL	N-CA	-29.98	1.10	1.46
2	5V	219	VAL	N-CA	-29.98	1.10	1.46
2	6N	219	VAL	N-CA	-29.98	1.10	1.46
2	6V	219	VAL	N-CA	-29.98	1.10	1.46
2	7F	219	VAL	N-CA	-29.98	1.10	1.46
2	7R	219	VAL	N-CA	-29.98	1.10	1.46
2	1F	219	VAL	N-CA	-29.97	1.10	1.46
2	2N	219	VAL	N-CA	-29.97	1.10	1.46
2	23	219	VAL	N-CA	-29.97	1.10	1.46
2	3N	219	VAL	N-CA	-29.97	1.10	1.46
2	37	219	VAL	N-CA	-29.97	1.10	1.46
2	4J	219	VAL	N-CA	-29.97	1.10	1.46
2	4R	219	VAL	N-CA	-29.97	1.10	1.46
2	5Z	219	VAL	N-CA	-29.97	1.10	1.46
2	6F	219	VAL	N-CA	-29.97	1.10	1.46
2	6Z	219	VAL	N-CA	-29.97	1.10	1.46
2	7J	219	VAL	N-CA	-29.97	1.10	1.46
2	7V	219	VAL	N-CA	-29.97	1.10	1.46
1	1Q	40	SER	C-O	-29.95	0.86	1.23
1	1U	40	SER	C-O	-29.95	0.86	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	40	SER	C-O	-29.95	0.86	1.23
1	2Q	40	SER	C-O	-29.95	0.86	1.23
1	2U	40	SER	C-O	-29.95	0.86	1.23
1	2Y	40	SER	C-O	-29.95	0.86	1.23
1	42	40	SER	C-O	-29.95	0.86	1.23
1	46	40	SER	C-O	-29.95	0.86	1.23
1	5A	40	SER	C-O	-29.95	0.86	1.23
1	52	40	SER	C-O	-29.95	0.86	1.23
1	56	40	SER	C-O	-29.95	0.86	1.23
1	6A	40	SER	C-O	-29.95	0.86	1.23
1	1E	40	SER	C-O	-29.93	0.86	1.23
1	2M	40	SER	C-O	-29.93	0.86	1.23
1	22	40	SER	C-O	-29.93	0.86	1.23
1	3M	40	SER	C-O	-29.93	0.86	1.23
1	36	40	SER	C-O	-29.93	0.86	1.23
1	4I	40	SER	C-O	-29.93	0.86	1.23
1	4Q	40	SER	C-O	-29.93	0.86	1.23
1	5Y	40	SER	C-O	-29.93	0.86	1.23
1	6E	40	SER	C-O	-29.93	0.86	1.23
1	6Y	40	SER	C-O	-29.93	0.86	1.23
1	7I	40	SER	C-O	-29.93	0.86	1.23
1	7U	40	SER	C-O	-29.93	0.86	1.23
2	1B	219	VAL	N-CA	-29.93	1.10	1.46
2	1J	219	VAL	N-CA	-29.93	1.10	1.46
2	2F	219	VAL	N-CA	-29.93	1.10	1.46
2	27	219	VAL	N-CA	-29.93	1.10	1.46
2	3F	219	VAL	N-CA	-29.93	1.10	1.46
2	4B	219	VAL	N-CA	-29.93	1.10	1.46
2	4N	219	VAL	N-CA	-29.93	1.10	1.46
2	4V	219	VAL	N-CA	-29.93	1.10	1.46
2	5R	219	VAL	N-CA	-29.93	1.10	1.46
2	6J	219	VAL	N-CA	-29.93	1.10	1.46
2	6R	219	VAL	N-CA	-29.93	1.10	1.46
2	7N	219	VAL	N-CA	-29.93	1.10	1.46
1	1E	149	THR	CA-CB	29.89	2.16	1.54
1	1M	149	THR	CA-CB	29.89	2.16	1.54
1	2I	149	THR	CA-CB	29.89	2.16	1.54
1	2M	149	THR	CA-CB	29.89	2.16	1.54
1	22	149	THR	CA-CB	29.89	2.16	1.54
1	3A	149	THR	CA-CB	29.89	2.16	1.54
1	3I	149	THR	CA-CB	29.89	2.16	1.54
1	3M	149	THR	CA-CB	29.89	2.16	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	32	149	THR	CA-CB	29.89	2.16	1.54
1	36	149	THR	CA-CB	29.89	2.16	1.54
1	4E	149	THR	CA-CB	29.89	2.16	1.54
1	4I	149	THR	CA-CB	29.89	2.16	1.54
1	4Q	149	THR	CA-CB	29.89	2.16	1.54
1	4Y	149	THR	CA-CB	29.89	2.16	1.54
1	5U	149	THR	CA-CB	29.89	2.16	1.54
1	5Y	149	THR	CA-CB	29.89	2.16	1.54
1	6E	149	THR	CA-CB	29.89	2.16	1.54
1	6M	149	THR	CA-CB	29.89	2.16	1.54
1	6U	149	THR	CA-CB	29.89	2.16	1.54
1	6Y	149	THR	CA-CB	29.89	2.16	1.54
1	7E	149	THR	CA-CB	29.89	2.16	1.54
1	7I	149	THR	CA-CB	29.89	2.16	1.54
1	7Q	149	THR	CA-CB	29.89	2.16	1.54
1	7U	149	THR	CA-CB	29.89	2.16	1.54
1	1Q	149	THR	CA-CB	29.88	2.16	1.54
1	1U	149	THR	CA-CB	29.88	2.16	1.54
1	1Y	149	THR	CA-CB	29.88	2.16	1.54
1	2Q	149	THR	CA-CB	29.88	2.16	1.54
1	2U	149	THR	CA-CB	29.88	2.16	1.54
1	2Y	149	THR	CA-CB	29.88	2.16	1.54
1	42	149	THR	CA-CB	29.88	2.16	1.54
1	46	149	THR	CA-CB	29.88	2.16	1.54
1	5A	149	THR	CA-CB	29.88	2.16	1.54
1	52	149	THR	CA-CB	29.88	2.16	1.54
1	56	149	THR	CA-CB	29.88	2.16	1.54
1	6A	149	THR	CA-CB	29.88	2.16	1.54
1	12	149	THR	CA-CB	29.88	2.16	1.54
1	16	149	THR	CA-CB	29.88	2.16	1.54
1	2A	149	THR	CA-CB	29.88	2.16	1.54
1	3Q	149	THR	CA-CB	29.88	2.16	1.54
1	3U	149	THR	CA-CB	29.88	2.16	1.54
1	3Y	149	THR	CA-CB	29.88	2.16	1.54
1	5E	149	THR	CA-CB	29.88	2.16	1.54
1	5I	149	THR	CA-CB	29.88	2.16	1.54
1	5M	149	THR	CA-CB	29.88	2.16	1.54
1	62	149	THR	CA-CB	29.88	2.16	1.54
1	66	149	THR	CA-CB	29.88	2.16	1.54
1	7A	149	THR	CA-CB	29.88	2.16	1.54
1	1A	149	THR	CA-CB	29.87	2.16	1.54
1	1I	149	THR	CA-CB	29.87	2.16	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	149	THR	CA-CB	29.87	2.16	1.54
1	26	149	THR	CA-CB	29.87	2.16	1.54
1	3E	149	THR	CA-CB	29.87	2.16	1.54
1	4A	149	THR	CA-CB	29.87	2.16	1.54
1	4M	149	THR	CA-CB	29.87	2.16	1.54
1	4U	149	THR	CA-CB	29.87	2.16	1.54
1	5Q	149	THR	CA-CB	29.87	2.16	1.54
1	6I	149	THR	CA-CB	29.87	2.16	1.54
1	6Q	149	THR	CA-CB	29.87	2.16	1.54
1	7M	149	THR	CA-CB	29.87	2.16	1.54
1	12	41	ILE	CA-CB	-29.82	1.18	1.54
1	16	41	ILE	CA-CB	-29.82	1.18	1.54
1	2A	41	ILE	CA-CB	-29.82	1.18	1.54
1	3Q	41	ILE	CA-CB	-29.82	1.18	1.54
1	3U	41	ILE	CA-CB	-29.82	1.18	1.54
1	3Y	41	ILE	CA-CB	-29.82	1.18	1.54
1	5E	41	ILE	CA-CB	-29.82	1.18	1.54
1	5I	41	ILE	CA-CB	-29.82	1.18	1.54
1	5M	41	ILE	CA-CB	-29.82	1.18	1.54
1	62	41	ILE	CA-CB	-29.82	1.18	1.54
1	66	41	ILE	CA-CB	-29.82	1.18	1.54
1	7A	41	ILE	CA-CB	-29.82	1.18	1.54
1	1E	41	ILE	CA-CB	-29.81	1.18	1.54
1	2M	41	ILE	CA-CB	-29.81	1.18	1.54
1	22	41	ILE	CA-CB	-29.81	1.18	1.54
1	3M	41	ILE	CA-CB	-29.81	1.18	1.54
1	36	41	ILE	CA-CB	-29.81	1.18	1.54
1	4I	41	ILE	CA-CB	-29.81	1.18	1.54
1	4Q	41	ILE	CA-CB	-29.81	1.18	1.54
1	5Y	41	ILE	CA-CB	-29.81	1.18	1.54
1	6E	41	ILE	CA-CB	-29.81	1.18	1.54
1	6Y	41	ILE	CA-CB	-29.81	1.18	1.54
1	7I	41	ILE	CA-CB	-29.81	1.18	1.54
1	7U	41	ILE	CA-CB	-29.81	1.18	1.54
1	1M	41	ILE	CA-CB	-29.80	1.18	1.54
1	2I	41	ILE	CA-CB	-29.80	1.18	1.54
1	3A	41	ILE	CA-CB	-29.80	1.18	1.54
1	3I	41	ILE	CA-CB	-29.80	1.18	1.54
1	32	41	ILE	CA-CB	-29.80	1.18	1.54
1	4E	41	ILE	CA-CB	-29.80	1.18	1.54
1	4Y	41	ILE	CA-CB	-29.80	1.18	1.54
1	5U	41	ILE	CA-CB	-29.80	1.18	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	41	ILE	CA-CB	-29.80	1.18	1.54
1	6U	41	ILE	CA-CB	-29.80	1.18	1.54
1	7E	41	ILE	CA-CB	-29.80	1.18	1.54
1	7Q	41	ILE	CA-CB	-29.80	1.18	1.54
1	1A	41	ILE	CA-CB	-29.78	1.18	1.54
1	1I	41	ILE	CA-CB	-29.78	1.18	1.54
1	2E	41	ILE	CA-CB	-29.78	1.18	1.54
1	26	41	ILE	CA-CB	-29.78	1.18	1.54
1	3E	41	ILE	CA-CB	-29.78	1.18	1.54
1	4A	41	ILE	CA-CB	-29.78	1.18	1.54
1	4M	41	ILE	CA-CB	-29.78	1.18	1.54
1	4U	41	ILE	CA-CB	-29.78	1.18	1.54
1	5Q	41	ILE	CA-CB	-29.78	1.18	1.54
1	6I	41	ILE	CA-CB	-29.78	1.18	1.54
1	6Q	41	ILE	CA-CB	-29.78	1.18	1.54
1	7M	41	ILE	CA-CB	-29.78	1.18	1.54
1	1Q	41	ILE	CA-CB	-29.77	1.18	1.54
1	1U	41	ILE	CA-CB	-29.77	1.18	1.54
1	1Y	41	ILE	CA-CB	-29.77	1.18	1.54
1	2Q	41	ILE	CA-CB	-29.77	1.18	1.54
1	2U	41	ILE	CA-CB	-29.77	1.18	1.54
1	2Y	41	ILE	CA-CB	-29.77	1.18	1.54
1	42	41	ILE	CA-CB	-29.77	1.18	1.54
1	46	41	ILE	CA-CB	-29.77	1.18	1.54
1	5A	41	ILE	CA-CB	-29.77	1.18	1.54
1	52	41	ILE	CA-CB	-29.77	1.18	1.54
1	56	41	ILE	CA-CB	-29.77	1.18	1.54
1	6A	41	ILE	CA-CB	-29.77	1.18	1.54
2	1B	218	ARG	C-O	29.66	1.61	1.24
2	1J	218	ARG	C-O	29.66	1.61	1.24
2	2F	218	ARG	C-O	29.66	1.61	1.24
2	27	218	ARG	C-O	29.66	1.61	1.24
2	3F	218	ARG	C-O	29.66	1.61	1.24
2	4B	218	ARG	C-O	29.66	1.61	1.24
2	4N	218	ARG	C-O	29.66	1.61	1.24
2	4V	218	ARG	C-O	29.66	1.61	1.24
2	5R	218	ARG	C-O	29.66	1.61	1.24
2	6J	218	ARG	C-O	29.66	1.61	1.24
2	6R	218	ARG	C-O	29.66	1.61	1.24
2	7N	218	ARG	C-O	29.66	1.61	1.24
2	1R	218	ARG	C-O	29.65	1.61	1.24
2	1V	218	ARG	C-O	29.65	1.61	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	218	ARG	C-O	29.65	1.61	1.24
2	2R	218	ARG	C-O	29.65	1.61	1.24
2	2V	218	ARG	C-O	29.65	1.61	1.24
2	2Z	218	ARG	C-O	29.65	1.61	1.24
2	43	218	ARG	C-O	29.65	1.61	1.24
2	47	218	ARG	C-O	29.65	1.61	1.24
2	5B	218	ARG	C-O	29.65	1.61	1.24
2	53	218	ARG	C-O	29.65	1.61	1.24
2	57	218	ARG	C-O	29.65	1.61	1.24
2	6B	218	ARG	C-O	29.65	1.61	1.24
2	13	218	ARG	C-O	29.65	1.61	1.24
2	17	218	ARG	C-O	29.65	1.61	1.24
2	2B	218	ARG	C-O	29.65	1.61	1.24
2	3R	218	ARG	C-O	29.65	1.61	1.24
2	3V	218	ARG	C-O	29.65	1.61	1.24
2	3Z	218	ARG	C-O	29.65	1.61	1.24
2	5F	218	ARG	C-O	29.65	1.61	1.24
2	5J	218	ARG	C-O	29.65	1.61	1.24
2	5N	218	ARG	C-O	29.65	1.61	1.24
2	63	218	ARG	C-O	29.65	1.61	1.24
2	67	218	ARG	C-O	29.65	1.61	1.24
2	7B	218	ARG	C-O	29.65	1.61	1.24
1	1Q	152	SER	N-CA	29.64	1.81	1.46
1	1U	152	SER	N-CA	29.64	1.81	1.46
1	1Y	152	SER	N-CA	29.64	1.81	1.46
1	2Q	152	SER	N-CA	29.64	1.81	1.46
1	2U	152	SER	N-CA	29.64	1.81	1.46
1	2Y	152	SER	N-CA	29.64	1.81	1.46
1	42	152	SER	N-CA	29.64	1.81	1.46
1	46	152	SER	N-CA	29.64	1.81	1.46
1	5A	152	SER	N-CA	29.64	1.81	1.46
1	52	152	SER	N-CA	29.64	1.81	1.46
1	56	152	SER	N-CA	29.64	1.81	1.46
1	6A	152	SER	N-CA	29.64	1.81	1.46
2	1N	218	ARG	C-O	29.63	1.61	1.24
2	2J	218	ARG	C-O	29.63	1.61	1.24
2	3B	218	ARG	C-O	29.63	1.61	1.24
2	3J	218	ARG	C-O	29.63	1.61	1.24
2	33	218	ARG	C-O	29.63	1.61	1.24
2	4F	218	ARG	C-O	29.63	1.61	1.24
2	4Z	218	ARG	C-O	29.63	1.61	1.24
2	5V	218	ARG	C-O	29.63	1.61	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	218	ARG	C-O	29.63	1.61	1.24
2	6V	218	ARG	C-O	29.63	1.61	1.24
2	7F	218	ARG	C-O	29.63	1.61	1.24
2	7R	218	ARG	C-O	29.63	1.61	1.24
1	1M	152	SER	N-CA	29.63	1.81	1.46
1	2I	152	SER	N-CA	29.63	1.81	1.46
1	3A	152	SER	N-CA	29.63	1.81	1.46
1	3I	152	SER	N-CA	29.63	1.81	1.46
1	32	152	SER	N-CA	29.63	1.81	1.46
1	4E	152	SER	N-CA	29.63	1.81	1.46
1	4Y	152	SER	N-CA	29.63	1.81	1.46
1	5U	152	SER	N-CA	29.63	1.81	1.46
1	6M	152	SER	N-CA	29.63	1.81	1.46
1	6U	152	SER	N-CA	29.63	1.81	1.46
1	7E	152	SER	N-CA	29.63	1.81	1.46
1	7Q	152	SER	N-CA	29.63	1.81	1.46
2	1F	218	ARG	C-O	29.63	1.61	1.24
2	2N	218	ARG	C-O	29.63	1.61	1.24
2	23	218	ARG	C-O	29.63	1.61	1.24
2	3N	218	ARG	C-O	29.63	1.61	1.24
2	37	218	ARG	C-O	29.63	1.61	1.24
2	4J	218	ARG	C-O	29.63	1.61	1.24
2	4R	218	ARG	C-O	29.63	1.61	1.24
2	5Z	218	ARG	C-O	29.63	1.61	1.24
2	6F	218	ARG	C-O	29.63	1.61	1.24
2	6Z	218	ARG	C-O	29.63	1.61	1.24
2	7J	218	ARG	C-O	29.63	1.61	1.24
2	7V	218	ARG	C-O	29.63	1.61	1.24
1	1A	152	SER	N-CA	29.62	1.81	1.46
1	1I	152	SER	N-CA	29.62	1.81	1.46
1	2E	152	SER	N-CA	29.62	1.81	1.46
1	26	152	SER	N-CA	29.62	1.81	1.46
1	3E	152	SER	N-CA	29.62	1.81	1.46
1	4A	152	SER	N-CA	29.62	1.81	1.46
1	4M	152	SER	N-CA	29.62	1.81	1.46
1	4U	152	SER	N-CA	29.62	1.81	1.46
1	5Q	152	SER	N-CA	29.62	1.81	1.46
1	6I	152	SER	N-CA	29.62	1.81	1.46
1	6Q	152	SER	N-CA	29.62	1.81	1.46
1	7M	152	SER	N-CA	29.62	1.81	1.46
1	1E	152	SER	N-CA	29.59	1.81	1.46
1	2M	152	SER	N-CA	29.59	1.81	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	152	SER	N-CA	29.59	1.81	1.46
1	3M	152	SER	N-CA	29.59	1.81	1.46
1	36	152	SER	N-CA	29.59	1.81	1.46
1	4I	152	SER	N-CA	29.59	1.81	1.46
1	4Q	152	SER	N-CA	29.59	1.81	1.46
1	5Y	152	SER	N-CA	29.59	1.81	1.46
1	6E	152	SER	N-CA	29.59	1.81	1.46
1	6Y	152	SER	N-CA	29.59	1.81	1.46
1	7I	152	SER	N-CA	29.59	1.81	1.46
1	7U	152	SER	N-CA	29.59	1.81	1.46
1	12	152	SER	N-CA	29.59	1.81	1.46
1	16	152	SER	N-CA	29.59	1.81	1.46
1	2A	152	SER	N-CA	29.59	1.81	1.46
1	3Q	152	SER	N-CA	29.59	1.81	1.46
1	3U	152	SER	N-CA	29.59	1.81	1.46
1	3Y	152	SER	N-CA	29.59	1.81	1.46
1	5E	152	SER	N-CA	29.59	1.81	1.46
1	5I	152	SER	N-CA	29.59	1.81	1.46
1	5M	152	SER	N-CA	29.59	1.81	1.46
1	62	152	SER	N-CA	29.59	1.81	1.46
1	66	152	SER	N-CA	29.59	1.81	1.46
1	7A	152	SER	N-CA	29.59	1.81	1.46
1	1Q	42	VAL	C-N	-29.55	0.92	1.33
1	1U	42	VAL	C-N	-29.55	0.92	1.33
1	1Y	42	VAL	C-N	-29.55	0.92	1.33
1	2Q	42	VAL	C-N	-29.55	0.92	1.33
1	2U	42	VAL	C-N	-29.55	0.92	1.33
1	2Y	42	VAL	C-N	-29.55	0.92	1.33
1	42	42	VAL	C-N	-29.55	0.92	1.33
1	46	42	VAL	C-N	-29.55	0.92	1.33
1	5A	42	VAL	C-N	-29.55	0.92	1.33
1	52	42	VAL	C-N	-29.55	0.92	1.33
1	56	42	VAL	C-N	-29.55	0.92	1.33
1	6A	42	VAL	C-N	-29.55	0.92	1.33
1	1M	148	LEU	N-CA	-29.54	1.07	1.45
1	12	148	LEU	N-CA	-29.54	1.07	1.45
1	16	148	LEU	N-CA	-29.54	1.07	1.45
1	2A	148	LEU	N-CA	-29.54	1.07	1.45
1	2I	148	LEU	N-CA	-29.54	1.07	1.45
1	3A	148	LEU	N-CA	-29.54	1.07	1.45
1	3I	148	LEU	N-CA	-29.54	1.07	1.45
1	3Q	148	LEU	N-CA	-29.54	1.07	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3U	148	LEU	N-CA	-29.54	1.07	1.45
1	3Y	148	LEU	N-CA	-29.54	1.07	1.45
1	32	148	LEU	N-CA	-29.54	1.07	1.45
1	4E	148	LEU	N-CA	-29.54	1.07	1.45
1	4Y	148	LEU	N-CA	-29.54	1.07	1.45
1	5E	148	LEU	N-CA	-29.54	1.07	1.45
1	5I	148	LEU	N-CA	-29.54	1.07	1.45
1	5M	148	LEU	N-CA	-29.54	1.07	1.45
1	5U	148	LEU	N-CA	-29.54	1.07	1.45
1	6M	148	LEU	N-CA	-29.54	1.07	1.45
1	6U	148	LEU	N-CA	-29.54	1.07	1.45
1	62	148	LEU	N-CA	-29.54	1.07	1.45
1	66	148	LEU	N-CA	-29.54	1.07	1.45
1	7A	148	LEU	N-CA	-29.54	1.07	1.45
1	7E	148	LEU	N-CA	-29.54	1.07	1.45
1	7Q	148	LEU	N-CA	-29.54	1.07	1.45
1	12	42	VAL	C-N	-29.53	0.92	1.33
1	16	42	VAL	C-N	-29.53	0.92	1.33
1	2A	42	VAL	C-N	-29.53	0.92	1.33
1	3Q	42	VAL	C-N	-29.53	0.92	1.33
1	3U	42	VAL	C-N	-29.53	0.92	1.33
1	3Y	42	VAL	C-N	-29.53	0.92	1.33
1	5E	42	VAL	C-N	-29.53	0.92	1.33
1	5I	42	VAL	C-N	-29.53	0.92	1.33
1	5M	42	VAL	C-N	-29.53	0.92	1.33
1	62	42	VAL	C-N	-29.53	0.92	1.33
1	66	42	VAL	C-N	-29.53	0.92	1.33
1	7A	42	VAL	C-N	-29.53	0.92	1.33
1	1Q	148	LEU	N-CA	-29.51	1.07	1.45
1	1U	148	LEU	N-CA	-29.51	1.07	1.45
1	1Y	148	LEU	N-CA	-29.51	1.07	1.45
1	2Q	148	LEU	N-CA	-29.51	1.07	1.45
1	2U	148	LEU	N-CA	-29.51	1.07	1.45
1	2Y	148	LEU	N-CA	-29.51	1.07	1.45
1	42	148	LEU	N-CA	-29.51	1.07	1.45
1	46	148	LEU	N-CA	-29.51	1.07	1.45
1	5A	148	LEU	N-CA	-29.51	1.07	1.45
1	52	148	LEU	N-CA	-29.51	1.07	1.45
1	56	148	LEU	N-CA	-29.51	1.07	1.45
1	6A	148	LEU	N-CA	-29.51	1.07	1.45
1	1E	148	LEU	N-CA	-29.51	1.07	1.45
1	2M	148	LEU	N-CA	-29.51	1.07	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	148	LEU	N-CA	-29.51	1.07	1.45
1	3M	148	LEU	N-CA	-29.51	1.07	1.45
1	36	148	LEU	N-CA	-29.51	1.07	1.45
1	4I	148	LEU	N-CA	-29.51	1.07	1.45
1	4Q	148	LEU	N-CA	-29.51	1.07	1.45
1	5Y	148	LEU	N-CA	-29.51	1.07	1.45
1	6E	148	LEU	N-CA	-29.51	1.07	1.45
1	6Y	148	LEU	N-CA	-29.51	1.07	1.45
1	7I	148	LEU	N-CA	-29.51	1.07	1.45
1	7U	148	LEU	N-CA	-29.51	1.07	1.45
1	1A	148	LEU	N-CA	-29.50	1.07	1.45
1	1I	148	LEU	N-CA	-29.50	1.07	1.45
1	2E	148	LEU	N-CA	-29.50	1.07	1.45
1	26	148	LEU	N-CA	-29.50	1.07	1.45
1	3E	148	LEU	N-CA	-29.50	1.07	1.45
1	4A	148	LEU	N-CA	-29.50	1.07	1.45
1	4M	148	LEU	N-CA	-29.50	1.07	1.45
1	4U	148	LEU	N-CA	-29.50	1.07	1.45
1	5Q	148	LEU	N-CA	-29.50	1.07	1.45
1	6I	148	LEU	N-CA	-29.50	1.07	1.45
1	6Q	148	LEU	N-CA	-29.50	1.07	1.45
1	7M	148	LEU	N-CA	-29.50	1.07	1.45
1	1A	42	VAL	C-N	-29.48	0.92	1.33
1	1I	42	VAL	C-N	-29.48	0.92	1.33
1	2E	42	VAL	C-N	-29.48	0.92	1.33
1	26	42	VAL	C-N	-29.48	0.92	1.33
1	3E	42	VAL	C-N	-29.48	0.92	1.33
1	4A	42	VAL	C-N	-29.48	0.92	1.33
1	4M	42	VAL	C-N	-29.48	0.92	1.33
1	4U	42	VAL	C-N	-29.48	0.92	1.33
1	5Q	42	VAL	C-N	-29.48	0.92	1.33
1	6I	42	VAL	C-N	-29.48	0.92	1.33
1	6Q	42	VAL	C-N	-29.48	0.92	1.33
1	7M	42	VAL	C-N	-29.48	0.92	1.33
1	1M	42	VAL	C-N	-29.46	0.92	1.33
1	2I	42	VAL	C-N	-29.46	0.92	1.33
1	3A	42	VAL	C-N	-29.46	0.92	1.33
1	3I	42	VAL	C-N	-29.46	0.92	1.33
1	32	42	VAL	C-N	-29.46	0.92	1.33
1	4E	42	VAL	C-N	-29.46	0.92	1.33
1	4Y	42	VAL	C-N	-29.46	0.92	1.33
1	5U	42	VAL	C-N	-29.46	0.92	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	42	VAL	C-N	-29.46	0.92	1.33
1	6U	42	VAL	C-N	-29.46	0.92	1.33
1	7E	42	VAL	C-N	-29.46	0.92	1.33
1	7Q	42	VAL	C-N	-29.46	0.92	1.33
1	1E	50	ARG	NE-CZ	29.46	1.65	1.33
1	2M	50	ARG	NE-CZ	29.46	1.65	1.33
1	22	50	ARG	NE-CZ	29.46	1.65	1.33
1	3M	50	ARG	NE-CZ	29.46	1.65	1.33
1	36	50	ARG	NE-CZ	29.46	1.65	1.33
1	4I	50	ARG	NE-CZ	29.46	1.65	1.33
1	4Q	50	ARG	NE-CZ	29.46	1.65	1.33
1	5Y	50	ARG	NE-CZ	29.46	1.65	1.33
1	6E	50	ARG	NE-CZ	29.46	1.65	1.33
1	6Y	50	ARG	NE-CZ	29.46	1.65	1.33
1	7I	50	ARG	NE-CZ	29.46	1.65	1.33
1	7U	50	ARG	NE-CZ	29.46	1.65	1.33
1	1E	42	VAL	C-N	-29.45	0.92	1.33
1	2M	42	VAL	C-N	-29.45	0.92	1.33
1	22	42	VAL	C-N	-29.45	0.92	1.33
1	3M	42	VAL	C-N	-29.45	0.92	1.33
1	36	42	VAL	C-N	-29.45	0.92	1.33
1	4I	42	VAL	C-N	-29.45	0.92	1.33
1	4Q	42	VAL	C-N	-29.45	0.92	1.33
1	5Y	42	VAL	C-N	-29.45	0.92	1.33
1	6E	42	VAL	C-N	-29.45	0.92	1.33
1	6Y	42	VAL	C-N	-29.45	0.92	1.33
1	7I	42	VAL	C-N	-29.45	0.92	1.33
1	7U	42	VAL	C-N	-29.45	0.92	1.33
1	1Q	50	ARG	NE-CZ	29.45	1.65	1.33
1	1U	50	ARG	NE-CZ	29.45	1.65	1.33
1	1Y	50	ARG	NE-CZ	29.45	1.65	1.33
1	2Q	50	ARG	NE-CZ	29.45	1.65	1.33
1	2U	50	ARG	NE-CZ	29.45	1.65	1.33
1	2Y	50	ARG	NE-CZ	29.45	1.65	1.33
1	42	50	ARG	NE-CZ	29.45	1.65	1.33
1	46	50	ARG	NE-CZ	29.45	1.65	1.33
1	5A	50	ARG	NE-CZ	29.45	1.65	1.33
1	52	50	ARG	NE-CZ	29.45	1.65	1.33
1	56	50	ARG	NE-CZ	29.45	1.65	1.33
1	6A	50	ARG	NE-CZ	29.45	1.65	1.33
1	1M	50	ARG	NE-CZ	29.44	1.65	1.33
1	2I	50	ARG	NE-CZ	29.44	1.65	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	50	ARG	NE-CZ	29.44	1.65	1.33
1	3I	50	ARG	NE-CZ	29.44	1.65	1.33
1	32	50	ARG	NE-CZ	29.44	1.65	1.33
1	4E	50	ARG	NE-CZ	29.44	1.65	1.33
1	4Y	50	ARG	NE-CZ	29.44	1.65	1.33
1	5U	50	ARG	NE-CZ	29.44	1.65	1.33
1	6M	50	ARG	NE-CZ	29.44	1.65	1.33
1	6U	50	ARG	NE-CZ	29.44	1.65	1.33
1	7E	50	ARG	NE-CZ	29.44	1.65	1.33
1	7Q	50	ARG	NE-CZ	29.44	1.65	1.33
1	1A	50	ARG	NE-CZ	29.43	1.65	1.33
1	1I	50	ARG	NE-CZ	29.43	1.65	1.33
1	2E	50	ARG	NE-CZ	29.43	1.65	1.33
1	26	50	ARG	NE-CZ	29.43	1.65	1.33
1	3E	50	ARG	NE-CZ	29.43	1.65	1.33
1	4A	50	ARG	NE-CZ	29.43	1.65	1.33
1	4M	50	ARG	NE-CZ	29.43	1.65	1.33
1	4U	50	ARG	NE-CZ	29.43	1.65	1.33
1	5Q	50	ARG	NE-CZ	29.43	1.65	1.33
1	6I	50	ARG	NE-CZ	29.43	1.65	1.33
1	6Q	50	ARG	NE-CZ	29.43	1.65	1.33
1	7M	50	ARG	NE-CZ	29.43	1.65	1.33
1	12	50	ARG	NE-CZ	29.43	1.65	1.33
1	16	50	ARG	NE-CZ	29.43	1.65	1.33
1	2A	50	ARG	NE-CZ	29.43	1.65	1.33
1	3Q	50	ARG	NE-CZ	29.43	1.65	1.33
1	3U	50	ARG	NE-CZ	29.43	1.65	1.33
1	3Y	50	ARG	NE-CZ	29.43	1.65	1.33
1	5E	50	ARG	NE-CZ	29.43	1.65	1.33
1	5I	50	ARG	NE-CZ	29.43	1.65	1.33
1	5M	50	ARG	NE-CZ	29.43	1.65	1.33
1	62	50	ARG	NE-CZ	29.43	1.65	1.33
1	66	50	ARG	NE-CZ	29.43	1.65	1.33
1	7A	50	ARG	NE-CZ	29.43	1.65	1.33
1	1E	37	ALA	N-CA	29.35	1.76	1.46
1	2M	37	ALA	N-CA	29.35	1.76	1.46
1	22	37	ALA	N-CA	29.35	1.76	1.46
1	3M	37	ALA	N-CA	29.35	1.76	1.46
1	36	37	ALA	N-CA	29.35	1.76	1.46
1	4I	37	ALA	N-CA	29.35	1.76	1.46
1	4Q	37	ALA	N-CA	29.35	1.76	1.46
1	5Y	37	ALA	N-CA	29.35	1.76	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	37	ALA	N-CA	29.35	1.76	1.46
1	6Y	37	ALA	N-CA	29.35	1.76	1.46
1	7I	37	ALA	N-CA	29.35	1.76	1.46
1	7U	37	ALA	N-CA	29.35	1.76	1.46
1	1Q	37	ALA	N-CA	29.35	1.76	1.46
1	1U	37	ALA	N-CA	29.35	1.76	1.46
1	1Y	37	ALA	N-CA	29.35	1.76	1.46
1	2Q	37	ALA	N-CA	29.35	1.76	1.46
1	2U	37	ALA	N-CA	29.35	1.76	1.46
1	2Y	37	ALA	N-CA	29.35	1.76	1.46
1	42	37	ALA	N-CA	29.35	1.76	1.46
1	46	37	ALA	N-CA	29.35	1.76	1.46
1	5A	37	ALA	N-CA	29.35	1.76	1.46
1	52	37	ALA	N-CA	29.35	1.76	1.46
1	56	37	ALA	N-CA	29.35	1.76	1.46
1	6A	37	ALA	N-CA	29.35	1.76	1.46
1	1A	37	ALA	N-CA	29.32	1.76	1.46
1	1I	37	ALA	N-CA	29.32	1.76	1.46
1	2E	37	ALA	N-CA	29.32	1.76	1.46
1	26	37	ALA	N-CA	29.32	1.76	1.46
1	3E	37	ALA	N-CA	29.32	1.76	1.46
1	4A	37	ALA	N-CA	29.32	1.76	1.46
1	4M	37	ALA	N-CA	29.32	1.76	1.46
1	4U	37	ALA	N-CA	29.32	1.76	1.46
1	5Q	37	ALA	N-CA	29.32	1.76	1.46
1	6I	37	ALA	N-CA	29.32	1.76	1.46
1	6Q	37	ALA	N-CA	29.32	1.76	1.46
1	7M	37	ALA	N-CA	29.32	1.76	1.46
1	1A	172	PHE	N-CA	-29.30	1.08	1.46
1	1I	172	PHE	N-CA	-29.30	1.08	1.46
1	2E	172	PHE	N-CA	-29.30	1.08	1.46
1	26	172	PHE	N-CA	-29.30	1.08	1.46
1	3E	172	PHE	N-CA	-29.30	1.08	1.46
1	4A	172	PHE	N-CA	-29.30	1.08	1.46
1	4M	172	PHE	N-CA	-29.30	1.08	1.46
1	4U	172	PHE	N-CA	-29.30	1.08	1.46
1	5Q	172	PHE	N-CA	-29.30	1.08	1.46
1	6I	172	PHE	N-CA	-29.30	1.08	1.46
1	6Q	172	PHE	N-CA	-29.30	1.08	1.46
1	7M	172	PHE	N-CA	-29.30	1.08	1.46
1	1M	37	ALA	N-CA	29.30	1.76	1.46
1	2I	37	ALA	N-CA	29.30	1.76	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	37	ALA	N-CA	29.30	1.76	1.46
1	3I	37	ALA	N-CA	29.30	1.76	1.46
1	32	37	ALA	N-CA	29.30	1.76	1.46
1	4E	37	ALA	N-CA	29.30	1.76	1.46
1	4Y	37	ALA	N-CA	29.30	1.76	1.46
1	5U	37	ALA	N-CA	29.30	1.76	1.46
1	6M	37	ALA	N-CA	29.30	1.76	1.46
1	6U	37	ALA	N-CA	29.30	1.76	1.46
1	7E	37	ALA	N-CA	29.30	1.76	1.46
1	7Q	37	ALA	N-CA	29.30	1.76	1.46
1	1M	172	PHE	N-CA	-29.28	1.08	1.46
1	2I	172	PHE	N-CA	-29.28	1.08	1.46
1	3A	172	PHE	N-CA	-29.28	1.08	1.46
1	3I	172	PHE	N-CA	-29.28	1.08	1.46
1	32	172	PHE	N-CA	-29.28	1.08	1.46
1	4E	172	PHE	N-CA	-29.28	1.08	1.46
1	4Y	172	PHE	N-CA	-29.28	1.08	1.46
1	5U	172	PHE	N-CA	-29.28	1.08	1.46
1	6M	172	PHE	N-CA	-29.28	1.08	1.46
1	6U	172	PHE	N-CA	-29.28	1.08	1.46
1	7E	172	PHE	N-CA	-29.28	1.08	1.46
1	7Q	172	PHE	N-CA	-29.28	1.08	1.46
1	1E	172	PHE	N-CA	-29.26	1.08	1.46
1	12	37	ALA	N-CA	29.26	1.76	1.46
1	16	37	ALA	N-CA	29.26	1.76	1.46
1	2A	37	ALA	N-CA	29.26	1.76	1.46
1	2M	172	PHE	N-CA	-29.26	1.08	1.46
1	22	172	PHE	N-CA	-29.26	1.08	1.46
1	3M	172	PHE	N-CA	-29.26	1.08	1.46
1	3Q	37	ALA	N-CA	29.26	1.76	1.46
1	3U	37	ALA	N-CA	29.26	1.76	1.46
1	3Y	37	ALA	N-CA	29.26	1.76	1.46
1	36	172	PHE	N-CA	-29.26	1.08	1.46
1	4I	172	PHE	N-CA	-29.26	1.08	1.46
1	4Q	172	PHE	N-CA	-29.26	1.08	1.46
1	5E	37	ALA	N-CA	29.26	1.76	1.46
1	5I	37	ALA	N-CA	29.26	1.76	1.46
1	5M	37	ALA	N-CA	29.26	1.76	1.46
1	5Y	172	PHE	N-CA	-29.26	1.08	1.46
1	6E	172	PHE	N-CA	-29.26	1.08	1.46
1	6Y	172	PHE	N-CA	-29.26	1.08	1.46
1	62	37	ALA	N-CA	29.26	1.76	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	37	ALA	N-CA	29.26	1.76	1.46
1	7A	37	ALA	N-CA	29.26	1.76	1.46
1	7I	172	PHE	N-CA	-29.26	1.08	1.46
1	7U	172	PHE	N-CA	-29.26	1.08	1.46
1	1Q	172	PHE	N-CA	-29.26	1.08	1.46
1	1U	172	PHE	N-CA	-29.26	1.08	1.46
1	1Y	172	PHE	N-CA	-29.26	1.08	1.46
1	2Q	172	PHE	N-CA	-29.26	1.08	1.46
1	2U	172	PHE	N-CA	-29.26	1.08	1.46
1	2Y	172	PHE	N-CA	-29.26	1.08	1.46
1	42	172	PHE	N-CA	-29.26	1.08	1.46
1	46	172	PHE	N-CA	-29.26	1.08	1.46
1	5A	172	PHE	N-CA	-29.26	1.08	1.46
1	52	172	PHE	N-CA	-29.26	1.08	1.46
1	56	172	PHE	N-CA	-29.26	1.08	1.46
1	6A	172	PHE	N-CA	-29.26	1.08	1.46
1	12	172	PHE	N-CA	-29.23	1.08	1.46
1	16	172	PHE	N-CA	-29.23	1.08	1.46
1	2A	172	PHE	N-CA	-29.23	1.08	1.46
1	3Q	172	PHE	N-CA	-29.23	1.08	1.46
1	3U	172	PHE	N-CA	-29.23	1.08	1.46
1	3Y	172	PHE	N-CA	-29.23	1.08	1.46
1	5E	172	PHE	N-CA	-29.23	1.08	1.46
1	5I	172	PHE	N-CA	-29.23	1.08	1.46
1	5M	172	PHE	N-CA	-29.23	1.08	1.46
1	62	172	PHE	N-CA	-29.23	1.08	1.46
1	66	172	PHE	N-CA	-29.23	1.08	1.46
1	7A	172	PHE	N-CA	-29.23	1.08	1.46
1	1A	78	SER	CB-OG	28.93	2.00	1.42
1	1I	78	SER	CB-OG	28.93	2.00	1.42
1	1Q	78	SER	CB-OG	28.93	2.00	1.42
1	1U	78	SER	CB-OG	28.93	2.00	1.42
1	1Y	78	SER	CB-OG	28.93	2.00	1.42
1	2E	78	SER	CB-OG	28.93	2.00	1.42
1	2Q	78	SER	CB-OG	28.93	2.00	1.42
1	2U	78	SER	CB-OG	28.93	2.00	1.42
1	2Y	78	SER	CB-OG	28.93	2.00	1.42
1	26	78	SER	CB-OG	28.93	2.00	1.42
1	3E	78	SER	CB-OG	28.93	2.00	1.42
1	4A	78	SER	CB-OG	28.93	2.00	1.42
1	4M	78	SER	CB-OG	28.93	2.00	1.42
1	4U	78	SER	CB-OG	28.93	2.00	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	42	78	SER	CB-OG	28.93	2.00	1.42
1	46	78	SER	CB-OG	28.93	2.00	1.42
1	5A	78	SER	CB-OG	28.93	2.00	1.42
1	5Q	78	SER	CB-OG	28.93	2.00	1.42
1	52	78	SER	CB-OG	28.93	2.00	1.42
1	56	78	SER	CB-OG	28.93	2.00	1.42
1	6A	78	SER	CB-OG	28.93	2.00	1.42
1	6I	78	SER	CB-OG	28.93	2.00	1.42
1	6Q	78	SER	CB-OG	28.93	2.00	1.42
1	7M	78	SER	CB-OG	28.93	2.00	1.42
1	12	78	SER	CB-OG	28.92	2.00	1.42
1	16	78	SER	CB-OG	28.92	2.00	1.42
1	2A	78	SER	CB-OG	28.92	2.00	1.42
1	3Q	78	SER	CB-OG	28.92	2.00	1.42
1	3U	78	SER	CB-OG	28.92	2.00	1.42
1	3Y	78	SER	CB-OG	28.92	2.00	1.42
1	5E	78	SER	CB-OG	28.92	2.00	1.42
1	5I	78	SER	CB-OG	28.92	2.00	1.42
1	5M	78	SER	CB-OG	28.92	2.00	1.42
1	62	78	SER	CB-OG	28.92	2.00	1.42
1	66	78	SER	CB-OG	28.92	2.00	1.42
1	7A	78	SER	CB-OG	28.92	2.00	1.42
1	1M	78	SER	CB-OG	28.90	2.00	1.42
1	2I	78	SER	CB-OG	28.90	2.00	1.42
1	3A	78	SER	CB-OG	28.90	2.00	1.42
1	3I	78	SER	CB-OG	28.90	2.00	1.42
1	32	78	SER	CB-OG	28.90	2.00	1.42
1	4E	78	SER	CB-OG	28.90	2.00	1.42
1	4Y	78	SER	CB-OG	28.90	2.00	1.42
1	5U	78	SER	CB-OG	28.90	2.00	1.42
1	6M	78	SER	CB-OG	28.90	2.00	1.42
1	6U	78	SER	CB-OG	28.90	2.00	1.42
1	7E	78	SER	CB-OG	28.90	2.00	1.42
1	7Q	78	SER	CB-OG	28.90	2.00	1.42
1	1E	78	SER	CB-OG	28.89	2.00	1.42
1	2M	78	SER	CB-OG	28.89	2.00	1.42
1	22	78	SER	CB-OG	28.89	2.00	1.42
1	3M	78	SER	CB-OG	28.89	2.00	1.42
1	36	78	SER	CB-OG	28.89	2.00	1.42
1	4I	78	SER	CB-OG	28.89	2.00	1.42
1	4Q	78	SER	CB-OG	28.89	2.00	1.42
1	5Y	78	SER	CB-OG	28.89	2.00	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	78	SER	CB-OG	28.89	2.00	1.42
1	6Y	78	SER	CB-OG	28.89	2.00	1.42
1	7I	78	SER	CB-OG	28.89	2.00	1.42
1	7U	78	SER	CB-OG	28.89	2.00	1.42
1	1E	171	ARG	C-O	-28.80	0.89	1.24
1	1M	171	ARG	C-O	-28.80	0.89	1.24
1	2I	171	ARG	C-O	-28.80	0.89	1.24
1	2M	171	ARG	C-O	-28.80	0.89	1.24
1	22	171	ARG	C-O	-28.80	0.89	1.24
1	3A	171	ARG	C-O	-28.80	0.89	1.24
1	3I	171	ARG	C-O	-28.80	0.89	1.24
1	3M	171	ARG	C-O	-28.80	0.89	1.24
1	32	171	ARG	C-O	-28.80	0.89	1.24
1	36	171	ARG	C-O	-28.80	0.89	1.24
1	4E	171	ARG	C-O	-28.80	0.89	1.24
1	4I	171	ARG	C-O	-28.80	0.89	1.24
1	4Q	171	ARG	C-O	-28.80	0.89	1.24
1	4Y	171	ARG	C-O	-28.80	0.89	1.24
1	5U	171	ARG	C-O	-28.80	0.89	1.24
1	5Y	171	ARG	C-O	-28.80	0.89	1.24
1	6E	171	ARG	C-O	-28.80	0.89	1.24
1	6M	171	ARG	C-O	-28.80	0.89	1.24
1	6U	171	ARG	C-O	-28.80	0.89	1.24
1	6Y	171	ARG	C-O	-28.80	0.89	1.24
1	7E	171	ARG	C-O	-28.80	0.89	1.24
1	7I	171	ARG	C-O	-28.80	0.89	1.24
1	7Q	171	ARG	C-O	-28.80	0.89	1.24
1	7U	171	ARG	C-O	-28.80	0.89	1.24
1	1Q	171	ARG	C-O	-28.79	0.89	1.24
1	1U	171	ARG	C-O	-28.79	0.89	1.24
1	1Y	171	ARG	C-O	-28.79	0.89	1.24
1	2Q	171	ARG	C-O	-28.79	0.89	1.24
1	2U	171	ARG	C-O	-28.79	0.89	1.24
1	2Y	171	ARG	C-O	-28.79	0.89	1.24
1	42	171	ARG	C-O	-28.79	0.89	1.24
1	46	171	ARG	C-O	-28.79	0.89	1.24
1	5A	171	ARG	C-O	-28.79	0.89	1.24
1	52	171	ARG	C-O	-28.79	0.89	1.24
1	56	171	ARG	C-O	-28.79	0.89	1.24
1	6A	171	ARG	C-O	-28.79	0.89	1.24
2	1F	78	HIS	CA-C	-28.79	1.13	1.52
2	2N	78	HIS	CA-C	-28.79	1.13	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	78	HIS	CA-C	-28.79	1.13	1.52
2	3N	78	HIS	CA-C	-28.79	1.13	1.52
2	37	78	HIS	CA-C	-28.79	1.13	1.52
2	4J	78	HIS	CA-C	-28.79	1.13	1.52
2	4R	78	HIS	CA-C	-28.79	1.13	1.52
2	5Z	78	HIS	CA-C	-28.79	1.13	1.52
2	6F	78	HIS	CA-C	-28.79	1.13	1.52
2	6Z	78	HIS	CA-C	-28.79	1.13	1.52
2	7J	78	HIS	CA-C	-28.79	1.13	1.52
2	7V	78	HIS	CA-C	-28.79	1.13	1.52
1	1A	171	ARG	C-O	-28.79	0.89	1.24
1	1I	171	ARG	C-O	-28.79	0.89	1.24
1	2E	171	ARG	C-O	-28.79	0.89	1.24
1	26	171	ARG	C-O	-28.79	0.89	1.24
1	3E	171	ARG	C-O	-28.79	0.89	1.24
1	4A	171	ARG	C-O	-28.79	0.89	1.24
1	4M	171	ARG	C-O	-28.79	0.89	1.24
1	4U	171	ARG	C-O	-28.79	0.89	1.24
1	5Q	171	ARG	C-O	-28.79	0.89	1.24
1	6I	171	ARG	C-O	-28.79	0.89	1.24
1	6Q	171	ARG	C-O	-28.79	0.89	1.24
1	7M	171	ARG	C-O	-28.79	0.89	1.24
1	12	171	ARG	C-O	-28.78	0.89	1.24
1	16	171	ARG	C-O	-28.78	0.89	1.24
1	2A	171	ARG	C-O	-28.78	0.89	1.24
1	3Q	171	ARG	C-O	-28.78	0.89	1.24
1	3U	171	ARG	C-O	-28.78	0.89	1.24
1	3Y	171	ARG	C-O	-28.78	0.89	1.24
1	5E	171	ARG	C-O	-28.78	0.89	1.24
1	5I	171	ARG	C-O	-28.78	0.89	1.24
1	5M	171	ARG	C-O	-28.78	0.89	1.24
1	62	171	ARG	C-O	-28.78	0.89	1.24
1	66	171	ARG	C-O	-28.78	0.89	1.24
1	7A	171	ARG	C-O	-28.78	0.89	1.24
2	13	78	HIS	CA-C	-28.77	1.13	1.52
2	17	78	HIS	CA-C	-28.77	1.13	1.52
2	2B	78	HIS	CA-C	-28.77	1.13	1.52
2	3R	78	HIS	CA-C	-28.77	1.13	1.52
2	3V	78	HIS	CA-C	-28.77	1.13	1.52
2	3Z	78	HIS	CA-C	-28.77	1.13	1.52
2	5F	78	HIS	CA-C	-28.77	1.13	1.52
2	5J	78	HIS	CA-C	-28.77	1.13	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	78	HIS	CA-C	-28.77	1.13	1.52
2	63	78	HIS	CA-C	-28.77	1.13	1.52
2	67	78	HIS	CA-C	-28.77	1.13	1.52
2	7B	78	HIS	CA-C	-28.77	1.13	1.52
2	1R	78	HIS	CA-C	-28.77	1.13	1.52
2	1V	78	HIS	CA-C	-28.77	1.13	1.52
2	1Z	78	HIS	CA-C	-28.77	1.13	1.52
2	2R	78	HIS	CA-C	-28.77	1.13	1.52
2	2V	78	HIS	CA-C	-28.77	1.13	1.52
2	2Z	78	HIS	CA-C	-28.77	1.13	1.52
2	43	78	HIS	CA-C	-28.77	1.13	1.52
2	47	78	HIS	CA-C	-28.77	1.13	1.52
2	5B	78	HIS	CA-C	-28.77	1.13	1.52
2	53	78	HIS	CA-C	-28.77	1.13	1.52
2	57	78	HIS	CA-C	-28.77	1.13	1.52
2	6B	78	HIS	CA-C	-28.77	1.13	1.52
2	1N	78	HIS	CA-C	-28.77	1.13	1.52
2	2J	78	HIS	CA-C	-28.77	1.13	1.52
2	3B	78	HIS	CA-C	-28.77	1.13	1.52
2	3J	78	HIS	CA-C	-28.77	1.13	1.52
2	33	78	HIS	CA-C	-28.77	1.13	1.52
2	4F	78	HIS	CA-C	-28.77	1.13	1.52
2	4Z	78	HIS	CA-C	-28.77	1.13	1.52
2	5V	78	HIS	CA-C	-28.77	1.13	1.52
2	6N	78	HIS	CA-C	-28.77	1.13	1.52
2	6V	78	HIS	CA-C	-28.77	1.13	1.52
2	7F	78	HIS	CA-C	-28.77	1.13	1.52
2	7R	78	HIS	CA-C	-28.77	1.13	1.52
2	1B	78	HIS	CA-C	-28.76	1.13	1.52
2	1J	78	HIS	CA-C	-28.76	1.13	1.52
2	2F	78	HIS	CA-C	-28.76	1.13	1.52
2	27	78	HIS	CA-C	-28.76	1.13	1.52
2	3F	78	HIS	CA-C	-28.76	1.13	1.52
2	4B	78	HIS	CA-C	-28.76	1.13	1.52
2	4N	78	HIS	CA-C	-28.76	1.13	1.52
2	4V	78	HIS	CA-C	-28.76	1.13	1.52
2	5R	78	HIS	CA-C	-28.76	1.13	1.52
2	6J	78	HIS	CA-C	-28.76	1.13	1.52
2	6R	78	HIS	CA-C	-28.76	1.13	1.52
2	7N	78	HIS	CA-C	-28.76	1.13	1.52
1	1A	97	SER	CA-CB	-28.29	0.96	1.53
1	1I	97	SER	CA-CB	-28.29	0.96	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	97	SER	CA-CB	-28.29	0.96	1.53
1	26	97	SER	CA-CB	-28.29	0.96	1.53
1	3E	97	SER	CA-CB	-28.29	0.96	1.53
1	4A	97	SER	CA-CB	-28.29	0.96	1.53
1	4M	97	SER	CA-CB	-28.29	0.96	1.53
1	4U	97	SER	CA-CB	-28.29	0.96	1.53
1	5Q	97	SER	CA-CB	-28.29	0.96	1.53
1	6I	97	SER	CA-CB	-28.29	0.96	1.53
1	6Q	97	SER	CA-CB	-28.29	0.96	1.53
1	7M	97	SER	CA-CB	-28.29	0.96	1.53
1	1E	97	SER	CA-CB	-28.27	0.96	1.53
2	1F	55	PRO	N-CD	28.27	1.87	1.47
1	1Q	97	SER	CA-CB	-28.27	0.96	1.53
1	1U	97	SER	CA-CB	-28.27	0.96	1.53
1	1Y	97	SER	CA-CB	-28.27	0.96	1.53
1	2M	97	SER	CA-CB	-28.27	0.96	1.53
2	2N	55	PRO	N-CD	28.27	1.87	1.47
1	2Q	97	SER	CA-CB	-28.27	0.96	1.53
1	2U	97	SER	CA-CB	-28.27	0.96	1.53
1	2Y	97	SER	CA-CB	-28.27	0.96	1.53
1	22	97	SER	CA-CB	-28.27	0.96	1.53
2	23	55	PRO	N-CD	28.27	1.87	1.47
1	3M	97	SER	CA-CB	-28.27	0.96	1.53
2	3N	55	PRO	N-CD	28.27	1.87	1.47
1	36	97	SER	CA-CB	-28.27	0.96	1.53
2	37	55	PRO	N-CD	28.27	1.87	1.47
1	4I	97	SER	CA-CB	-28.27	0.96	1.53
2	4J	55	PRO	N-CD	28.27	1.87	1.47
1	4Q	97	SER	CA-CB	-28.27	0.96	1.53
2	4R	55	PRO	N-CD	28.27	1.87	1.47
1	42	97	SER	CA-CB	-28.27	0.96	1.53
1	46	97	SER	CA-CB	-28.27	0.96	1.53
1	5A	97	SER	CA-CB	-28.27	0.96	1.53
1	5Y	97	SER	CA-CB	-28.27	0.96	1.53
2	5Z	55	PRO	N-CD	28.27	1.87	1.47
1	52	97	SER	CA-CB	-28.27	0.96	1.53
1	56	97	SER	CA-CB	-28.27	0.96	1.53
1	6A	97	SER	CA-CB	-28.27	0.96	1.53
1	6E	97	SER	CA-CB	-28.27	0.96	1.53
2	6F	55	PRO	N-CD	28.27	1.87	1.47
1	6Y	97	SER	CA-CB	-28.27	0.96	1.53
2	6Z	55	PRO	N-CD	28.27	1.87	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7I	97	SER	CA-CB	-28.27	0.96	1.53
2	7J	55	PRO	N-CD	28.27	1.87	1.47
1	7U	97	SER	CA-CB	-28.27	0.96	1.53
2	7V	55	PRO	N-CD	28.27	1.87	1.47
1	12	97	SER	CA-CB	-28.27	0.96	1.53
1	16	97	SER	CA-CB	-28.27	0.96	1.53
1	2A	97	SER	CA-CB	-28.27	0.96	1.53
1	3Q	97	SER	CA-CB	-28.27	0.96	1.53
1	3U	97	SER	CA-CB	-28.27	0.96	1.53
1	3Y	97	SER	CA-CB	-28.27	0.96	1.53
1	5E	97	SER	CA-CB	-28.27	0.96	1.53
1	5I	97	SER	CA-CB	-28.27	0.96	1.53
1	5M	97	SER	CA-CB	-28.27	0.96	1.53
1	62	97	SER	CA-CB	-28.27	0.96	1.53
1	66	97	SER	CA-CB	-28.27	0.96	1.53
1	7A	97	SER	CA-CB	-28.27	0.96	1.53
1	1M	97	SER	CA-CB	-28.27	0.96	1.53
1	2I	97	SER	CA-CB	-28.27	0.96	1.53
1	3A	97	SER	CA-CB	-28.27	0.96	1.53
1	3I	97	SER	CA-CB	-28.27	0.96	1.53
1	32	97	SER	CA-CB	-28.27	0.96	1.53
1	4E	97	SER	CA-CB	-28.27	0.96	1.53
1	4Y	97	SER	CA-CB	-28.27	0.96	1.53
1	5U	97	SER	CA-CB	-28.27	0.96	1.53
1	6M	97	SER	CA-CB	-28.27	0.96	1.53
1	6U	97	SER	CA-CB	-28.27	0.96	1.53
1	7E	97	SER	CA-CB	-28.27	0.96	1.53
1	7Q	97	SER	CA-CB	-28.27	0.96	1.53
2	1B	42	HIS	CE1-NE2	28.26	1.60	1.32
2	1J	42	HIS	CE1-NE2	28.26	1.60	1.32
2	2F	42	HIS	CE1-NE2	28.26	1.60	1.32
2	27	42	HIS	CE1-NE2	28.26	1.60	1.32
2	3F	42	HIS	CE1-NE2	28.26	1.60	1.32
2	4B	42	HIS	CE1-NE2	28.26	1.60	1.32
2	4N	42	HIS	CE1-NE2	28.26	1.60	1.32
2	4V	42	HIS	CE1-NE2	28.26	1.60	1.32
2	5R	42	HIS	CE1-NE2	28.26	1.60	1.32
2	6J	42	HIS	CE1-NE2	28.26	1.60	1.32
2	6R	42	HIS	CE1-NE2	28.26	1.60	1.32
2	7N	42	HIS	CE1-NE2	28.26	1.60	1.32
2	1N	55	PRO	N-CD	28.25	1.87	1.47
2	2J	55	PRO	N-CD	28.25	1.87	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	55	PRO	N-CD	28.25	1.87	1.47
2	3J	55	PRO	N-CD	28.25	1.87	1.47
2	33	55	PRO	N-CD	28.25	1.87	1.47
2	4F	55	PRO	N-CD	28.25	1.87	1.47
2	4Z	55	PRO	N-CD	28.25	1.87	1.47
2	5V	55	PRO	N-CD	28.25	1.87	1.47
2	6N	55	PRO	N-CD	28.25	1.87	1.47
2	6V	55	PRO	N-CD	28.25	1.87	1.47
2	7F	55	PRO	N-CD	28.25	1.87	1.47
2	7R	55	PRO	N-CD	28.25	1.87	1.47
2	1B	55	PRO	N-CD	28.23	1.87	1.47
2	1J	55	PRO	N-CD	28.23	1.87	1.47
2	1R	55	PRO	N-CD	28.23	1.87	1.47
2	1V	55	PRO	N-CD	28.23	1.87	1.47
2	1Z	55	PRO	N-CD	28.23	1.87	1.47
2	2F	55	PRO	N-CD	28.23	1.87	1.47
2	2R	55	PRO	N-CD	28.23	1.87	1.47
2	2V	55	PRO	N-CD	28.23	1.87	1.47
2	2Z	55	PRO	N-CD	28.23	1.87	1.47
2	27	55	PRO	N-CD	28.23	1.87	1.47
2	3F	55	PRO	N-CD	28.23	1.87	1.47
2	4B	55	PRO	N-CD	28.23	1.87	1.47
2	4N	55	PRO	N-CD	28.23	1.87	1.47
2	4V	55	PRO	N-CD	28.23	1.87	1.47
2	43	55	PRO	N-CD	28.23	1.87	1.47
2	47	55	PRO	N-CD	28.23	1.87	1.47
2	5B	55	PRO	N-CD	28.23	1.87	1.47
2	5R	55	PRO	N-CD	28.23	1.87	1.47
2	53	55	PRO	N-CD	28.23	1.87	1.47
2	57	55	PRO	N-CD	28.23	1.87	1.47
2	6B	55	PRO	N-CD	28.23	1.87	1.47
2	6J	55	PRO	N-CD	28.23	1.87	1.47
2	6R	55	PRO	N-CD	28.23	1.87	1.47
2	7N	55	PRO	N-CD	28.23	1.87	1.47
2	13	42	HIS	CE1-NE2	28.23	1.60	1.32
2	17	42	HIS	CE1-NE2	28.23	1.60	1.32
2	2B	42	HIS	CE1-NE2	28.23	1.60	1.32
2	3R	42	HIS	CE1-NE2	28.23	1.60	1.32
2	3V	42	HIS	CE1-NE2	28.23	1.60	1.32
2	3Z	42	HIS	CE1-NE2	28.23	1.60	1.32
2	5F	42	HIS	CE1-NE2	28.23	1.60	1.32
2	5J	42	HIS	CE1-NE2	28.23	1.60	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	42	HIS	CE1-NE2	28.23	1.60	1.32
2	63	42	HIS	CE1-NE2	28.23	1.60	1.32
2	67	42	HIS	CE1-NE2	28.23	1.60	1.32
2	7B	42	HIS	CE1-NE2	28.23	1.60	1.32
2	13	55	PRO	N-CD	28.22	1.87	1.47
2	17	55	PRO	N-CD	28.22	1.87	1.47
2	2B	55	PRO	N-CD	28.22	1.87	1.47
2	3R	55	PRO	N-CD	28.22	1.87	1.47
2	3V	55	PRO	N-CD	28.22	1.87	1.47
2	3Z	55	PRO	N-CD	28.22	1.87	1.47
2	5F	55	PRO	N-CD	28.22	1.87	1.47
2	5J	55	PRO	N-CD	28.22	1.87	1.47
2	5N	55	PRO	N-CD	28.22	1.87	1.47
2	63	55	PRO	N-CD	28.22	1.87	1.47
2	67	55	PRO	N-CD	28.22	1.87	1.47
2	7B	55	PRO	N-CD	28.22	1.87	1.47
2	1N	42	HIS	CE1-NE2	28.21	1.60	1.32
2	2J	42	HIS	CE1-NE2	28.21	1.60	1.32
2	3B	42	HIS	CE1-NE2	28.21	1.60	1.32
2	3J	42	HIS	CE1-NE2	28.21	1.60	1.32
2	33	42	HIS	CE1-NE2	28.21	1.60	1.32
2	4F	42	HIS	CE1-NE2	28.21	1.60	1.32
2	4Z	42	HIS	CE1-NE2	28.21	1.60	1.32
2	5V	42	HIS	CE1-NE2	28.21	1.60	1.32
2	6N	42	HIS	CE1-NE2	28.21	1.60	1.32
2	6V	42	HIS	CE1-NE2	28.21	1.60	1.32
2	7F	42	HIS	CE1-NE2	28.21	1.60	1.32
2	7R	42	HIS	CE1-NE2	28.21	1.60	1.32
2	1F	42	HIS	CE1-NE2	28.21	1.60	1.32
2	2N	42	HIS	CE1-NE2	28.21	1.60	1.32
2	23	42	HIS	CE1-NE2	28.21	1.60	1.32
2	3N	42	HIS	CE1-NE2	28.21	1.60	1.32
2	37	42	HIS	CE1-NE2	28.21	1.60	1.32
2	4J	42	HIS	CE1-NE2	28.21	1.60	1.32
2	4R	42	HIS	CE1-NE2	28.21	1.60	1.32
2	5Z	42	HIS	CE1-NE2	28.21	1.60	1.32
2	6F	42	HIS	CE1-NE2	28.21	1.60	1.32
2	6Z	42	HIS	CE1-NE2	28.21	1.60	1.32
2	7J	42	HIS	CE1-NE2	28.21	1.60	1.32
2	7V	42	HIS	CE1-NE2	28.21	1.60	1.32
2	1N	74	TYR	CE1-CZ	28.19	2.06	1.38
2	2J	74	TYR	CE1-CZ	28.19	2.06	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	74	TYR	CE1-CZ	28.19	2.06	1.38
2	3J	74	TYR	CE1-CZ	28.19	2.06	1.38
2	33	74	TYR	CE1-CZ	28.19	2.06	1.38
2	4F	74	TYR	CE1-CZ	28.19	2.06	1.38
2	4Z	74	TYR	CE1-CZ	28.19	2.06	1.38
2	5V	74	TYR	CE1-CZ	28.19	2.06	1.38
2	6N	74	TYR	CE1-CZ	28.19	2.06	1.38
2	6V	74	TYR	CE1-CZ	28.19	2.06	1.38
2	7F	74	TYR	CE1-CZ	28.19	2.06	1.38
2	7R	74	TYR	CE1-CZ	28.19	2.06	1.38
2	1R	42	HIS	CE1-NE2	28.19	1.60	1.32
2	1V	42	HIS	CE1-NE2	28.19	1.60	1.32
2	1Z	42	HIS	CE1-NE2	28.19	1.60	1.32
2	13	74	TYR	CE1-CZ	28.19	2.06	1.38
2	17	74	TYR	CE1-CZ	28.19	2.06	1.38
2	2B	74	TYR	CE1-CZ	28.19	2.06	1.38
2	2R	42	HIS	CE1-NE2	28.19	1.60	1.32
2	2V	42	HIS	CE1-NE2	28.19	1.60	1.32
2	2Z	42	HIS	CE1-NE2	28.19	1.60	1.32
2	3R	74	TYR	CE1-CZ	28.19	2.06	1.38
2	3V	74	TYR	CE1-CZ	28.19	2.06	1.38
2	3Z	74	TYR	CE1-CZ	28.19	2.06	1.38
2	43	42	HIS	CE1-NE2	28.19	1.60	1.32
2	47	42	HIS	CE1-NE2	28.19	1.60	1.32
2	5B	42	HIS	CE1-NE2	28.19	1.60	1.32
2	5F	74	TYR	CE1-CZ	28.19	2.06	1.38
2	5J	74	TYR	CE1-CZ	28.19	2.06	1.38
2	5N	74	TYR	CE1-CZ	28.19	2.06	1.38
2	53	42	HIS	CE1-NE2	28.19	1.60	1.32
2	57	42	HIS	CE1-NE2	28.19	1.60	1.32
2	6B	42	HIS	CE1-NE2	28.19	1.60	1.32
2	63	74	TYR	CE1-CZ	28.19	2.06	1.38
2	67	74	TYR	CE1-CZ	28.19	2.06	1.38
2	7B	74	TYR	CE1-CZ	28.19	2.06	1.38
2	1B	74	TYR	CE1-CZ	28.18	2.05	1.38
2	1J	74	TYR	CE1-CZ	28.18	2.05	1.38
2	2F	74	TYR	CE1-CZ	28.18	2.05	1.38
2	27	74	TYR	CE1-CZ	28.18	2.05	1.38
2	3F	74	TYR	CE1-CZ	28.18	2.05	1.38
2	4B	74	TYR	CE1-CZ	28.18	2.05	1.38
2	4N	74	TYR	CE1-CZ	28.18	2.05	1.38
2	4V	74	TYR	CE1-CZ	28.18	2.05	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	74	TYR	CE1-CZ	28.18	2.05	1.38
2	6J	74	TYR	CE1-CZ	28.18	2.05	1.38
2	6R	74	TYR	CE1-CZ	28.18	2.05	1.38
2	7N	74	TYR	CE1-CZ	28.18	2.05	1.38
2	1F	74	TYR	CE1-CZ	28.17	2.05	1.38
2	2N	74	TYR	CE1-CZ	28.17	2.05	1.38
2	23	74	TYR	CE1-CZ	28.17	2.05	1.38
2	3N	74	TYR	CE1-CZ	28.17	2.05	1.38
2	37	74	TYR	CE1-CZ	28.17	2.05	1.38
2	4J	74	TYR	CE1-CZ	28.17	2.05	1.38
2	4R	74	TYR	CE1-CZ	28.17	2.05	1.38
2	5Z	74	TYR	CE1-CZ	28.17	2.05	1.38
2	6F	74	TYR	CE1-CZ	28.17	2.05	1.38
2	6Z	74	TYR	CE1-CZ	28.17	2.05	1.38
2	7J	74	TYR	CE1-CZ	28.17	2.05	1.38
2	7V	74	TYR	CE1-CZ	28.17	2.05	1.38
2	1R	74	TYR	CE1-CZ	28.17	2.05	1.38
2	1V	74	TYR	CE1-CZ	28.17	2.05	1.38
2	1Z	74	TYR	CE1-CZ	28.17	2.05	1.38
2	2R	74	TYR	CE1-CZ	28.17	2.05	1.38
2	2V	74	TYR	CE1-CZ	28.17	2.05	1.38
2	2Z	74	TYR	CE1-CZ	28.17	2.05	1.38
2	43	74	TYR	CE1-CZ	28.17	2.05	1.38
2	47	74	TYR	CE1-CZ	28.17	2.05	1.38
2	5B	74	TYR	CE1-CZ	28.17	2.05	1.38
2	53	74	TYR	CE1-CZ	28.17	2.05	1.38
2	57	74	TYR	CE1-CZ	28.17	2.05	1.38
2	6B	74	TYR	CE1-CZ	28.17	2.05	1.38
1	1Q	94	THR	C-O	-28.16	0.88	1.24
1	1U	94	THR	C-O	-28.16	0.88	1.24
1	1Y	94	THR	C-O	-28.16	0.88	1.24
1	2Q	94	THR	C-O	-28.16	0.88	1.24
1	2U	94	THR	C-O	-28.16	0.88	1.24
1	2Y	94	THR	C-O	-28.16	0.88	1.24
1	42	94	THR	C-O	-28.16	0.88	1.24
1	46	94	THR	C-O	-28.16	0.88	1.24
1	5A	94	THR	C-O	-28.16	0.88	1.24
1	52	94	THR	C-O	-28.16	0.88	1.24
1	56	94	THR	C-O	-28.16	0.88	1.24
1	6A	94	THR	C-O	-28.16	0.88	1.24
1	1M	36	THR	CA-CB	28.14	1.99	1.53
1	2I	36	THR	CA-CB	28.14	1.99	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	36	THR	CA-CB	28.14	1.99	1.53
1	3I	36	THR	CA-CB	28.14	1.99	1.53
1	32	36	THR	CA-CB	28.14	1.99	1.53
1	4E	36	THR	CA-CB	28.14	1.99	1.53
1	4Y	36	THR	CA-CB	28.14	1.99	1.53
1	5U	36	THR	CA-CB	28.14	1.99	1.53
1	6M	36	THR	CA-CB	28.14	1.99	1.53
1	6U	36	THR	CA-CB	28.14	1.99	1.53
1	7E	36	THR	CA-CB	28.14	1.99	1.53
1	7Q	36	THR	CA-CB	28.14	1.99	1.53
1	1M	94	THR	C-O	-28.14	0.88	1.24
1	2I	94	THR	C-O	-28.14	0.88	1.24
1	3A	94	THR	C-O	-28.14	0.88	1.24
1	3I	94	THR	C-O	-28.14	0.88	1.24
1	32	94	THR	C-O	-28.14	0.88	1.24
1	4E	94	THR	C-O	-28.14	0.88	1.24
1	4Y	94	THR	C-O	-28.14	0.88	1.24
1	5U	94	THR	C-O	-28.14	0.88	1.24
1	6M	94	THR	C-O	-28.14	0.88	1.24
1	6U	94	THR	C-O	-28.14	0.88	1.24
1	7E	94	THR	C-O	-28.14	0.88	1.24
1	7Q	94	THR	C-O	-28.14	0.88	1.24
1	12	36	THR	CA-CB	28.13	1.99	1.53
1	16	36	THR	CA-CB	28.13	1.99	1.53
1	2A	36	THR	CA-CB	28.13	1.99	1.53
1	3Q	36	THR	CA-CB	28.13	1.99	1.53
1	3U	36	THR	CA-CB	28.13	1.99	1.53
1	3Y	36	THR	CA-CB	28.13	1.99	1.53
1	5E	36	THR	CA-CB	28.13	1.99	1.53
1	5I	36	THR	CA-CB	28.13	1.99	1.53
1	5M	36	THR	CA-CB	28.13	1.99	1.53
1	62	36	THR	CA-CB	28.13	1.99	1.53
1	66	36	THR	CA-CB	28.13	1.99	1.53
1	7A	36	THR	CA-CB	28.13	1.99	1.53
1	1E	36	THR	CA-CB	28.11	1.99	1.53
1	2M	36	THR	CA-CB	28.11	1.99	1.53
1	22	36	THR	CA-CB	28.11	1.99	1.53
1	3M	36	THR	CA-CB	28.11	1.99	1.53
1	36	36	THR	CA-CB	28.11	1.99	1.53
1	4I	36	THR	CA-CB	28.11	1.99	1.53
1	4Q	36	THR	CA-CB	28.11	1.99	1.53
1	5Y	36	THR	CA-CB	28.11	1.99	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	36	THR	CA-CB	28.11	1.99	1.53
1	6Y	36	THR	CA-CB	28.11	1.99	1.53
1	7I	36	THR	CA-CB	28.11	1.99	1.53
1	7U	36	THR	CA-CB	28.11	1.99	1.53
1	1A	36	THR	CA-CB	28.09	1.99	1.53
1	1I	36	THR	CA-CB	28.09	1.99	1.53
1	2E	36	THR	CA-CB	28.09	1.99	1.53
1	26	36	THR	CA-CB	28.09	1.99	1.53
1	3E	36	THR	CA-CB	28.09	1.99	1.53
1	4A	36	THR	CA-CB	28.09	1.99	1.53
1	4M	36	THR	CA-CB	28.09	1.99	1.53
1	4U	36	THR	CA-CB	28.09	1.99	1.53
1	5Q	36	THR	CA-CB	28.09	1.99	1.53
1	6I	36	THR	CA-CB	28.09	1.99	1.53
1	6Q	36	THR	CA-CB	28.09	1.99	1.53
1	7M	36	THR	CA-CB	28.09	1.99	1.53
1	1A	94	THR	C-O	-28.09	0.88	1.24
1	1I	94	THR	C-O	-28.09	0.88	1.24
1	2E	94	THR	C-O	-28.09	0.88	1.24
1	26	94	THR	C-O	-28.09	0.88	1.24
1	3E	94	THR	C-O	-28.09	0.88	1.24
1	4A	94	THR	C-O	-28.09	0.88	1.24
1	4M	94	THR	C-O	-28.09	0.88	1.24
1	4U	94	THR	C-O	-28.09	0.88	1.24
1	5Q	94	THR	C-O	-28.09	0.88	1.24
1	6I	94	THR	C-O	-28.09	0.88	1.24
1	6Q	94	THR	C-O	-28.09	0.88	1.24
1	7M	94	THR	C-O	-28.09	0.88	1.24
1	1Q	36	THR	CA-CB	28.09	1.99	1.53
1	1U	36	THR	CA-CB	28.09	1.99	1.53
1	1Y	36	THR	CA-CB	28.09	1.99	1.53
1	2Q	36	THR	CA-CB	28.09	1.99	1.53
1	2U	36	THR	CA-CB	28.09	1.99	1.53
1	2Y	36	THR	CA-CB	28.09	1.99	1.53
1	42	36	THR	CA-CB	28.09	1.99	1.53
1	46	36	THR	CA-CB	28.09	1.99	1.53
1	5A	36	THR	CA-CB	28.09	1.99	1.53
1	52	36	THR	CA-CB	28.09	1.99	1.53
1	56	36	THR	CA-CB	28.09	1.99	1.53
1	6A	36	THR	CA-CB	28.09	1.99	1.53
1	1E	94	THR	C-O	-28.07	0.88	1.24
1	2M	94	THR	C-O	-28.07	0.88	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	94	THR	C-O	-28.07	0.88	1.24
1	3M	94	THR	C-O	-28.07	0.88	1.24
1	36	94	THR	C-O	-28.07	0.88	1.24
1	4I	94	THR	C-O	-28.07	0.88	1.24
1	4Q	94	THR	C-O	-28.07	0.88	1.24
1	5Y	94	THR	C-O	-28.07	0.88	1.24
1	6E	94	THR	C-O	-28.07	0.88	1.24
1	6Y	94	THR	C-O	-28.07	0.88	1.24
1	7I	94	THR	C-O	-28.07	0.88	1.24
1	7U	94	THR	C-O	-28.07	0.88	1.24
1	12	94	THR	C-O	-28.06	0.88	1.24
1	16	94	THR	C-O	-28.06	0.88	1.24
1	2A	94	THR	C-O	-28.06	0.88	1.24
1	3Q	94	THR	C-O	-28.06	0.88	1.24
1	3U	94	THR	C-O	-28.06	0.88	1.24
1	3Y	94	THR	C-O	-28.06	0.88	1.24
1	5E	94	THR	C-O	-28.06	0.88	1.24
1	5I	94	THR	C-O	-28.06	0.88	1.24
1	5M	94	THR	C-O	-28.06	0.88	1.24
1	62	94	THR	C-O	-28.06	0.88	1.24
1	66	94	THR	C-O	-28.06	0.88	1.24
1	7A	94	THR	C-O	-28.06	0.88	1.24
1	12	84	ARG	N-CA	28.01	1.82	1.46
1	16	84	ARG	N-CA	28.01	1.82	1.46
1	2A	84	ARG	N-CA	28.01	1.82	1.46
1	3Q	84	ARG	N-CA	28.01	1.82	1.46
1	3U	84	ARG	N-CA	28.01	1.82	1.46
1	3Y	84	ARG	N-CA	28.01	1.82	1.46
1	5E	84	ARG	N-CA	28.01	1.82	1.46
1	5I	84	ARG	N-CA	28.01	1.82	1.46
1	5M	84	ARG	N-CA	28.01	1.82	1.46
1	62	84	ARG	N-CA	28.01	1.82	1.46
1	66	84	ARG	N-CA	28.01	1.82	1.46
1	7A	84	ARG	N-CA	28.01	1.82	1.46
1	1E	84	ARG	N-CA	27.99	1.82	1.46
1	2M	84	ARG	N-CA	27.99	1.82	1.46
1	22	84	ARG	N-CA	27.99	1.82	1.46
1	3M	84	ARG	N-CA	27.99	1.82	1.46
1	36	84	ARG	N-CA	27.99	1.82	1.46
1	4I	84	ARG	N-CA	27.99	1.82	1.46
1	4Q	84	ARG	N-CA	27.99	1.82	1.46
1	5Y	84	ARG	N-CA	27.99	1.82	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	84	ARG	N-CA	27.99	1.82	1.46
1	6Y	84	ARG	N-CA	27.99	1.82	1.46
1	7I	84	ARG	N-CA	27.99	1.82	1.46
1	7U	84	ARG	N-CA	27.99	1.82	1.46
1	1E	38	PRO	N-CD	27.98	1.86	1.47
1	2M	38	PRO	N-CD	27.98	1.86	1.47
1	22	38	PRO	N-CD	27.98	1.86	1.47
1	3M	38	PRO	N-CD	27.98	1.86	1.47
1	36	38	PRO	N-CD	27.98	1.86	1.47
1	4I	38	PRO	N-CD	27.98	1.86	1.47
1	4Q	38	PRO	N-CD	27.98	1.86	1.47
1	5Y	38	PRO	N-CD	27.98	1.86	1.47
1	6E	38	PRO	N-CD	27.98	1.86	1.47
1	6Y	38	PRO	N-CD	27.98	1.86	1.47
1	7I	38	PRO	N-CD	27.98	1.86	1.47
1	7U	38	PRO	N-CD	27.98	1.86	1.47
1	1A	84	ARG	N-CA	27.98	1.82	1.46
1	1I	84	ARG	N-CA	27.98	1.82	1.46
1	2E	84	ARG	N-CA	27.98	1.82	1.46
1	26	84	ARG	N-CA	27.98	1.82	1.46
1	3E	84	ARG	N-CA	27.98	1.82	1.46
1	4A	84	ARG	N-CA	27.98	1.82	1.46
1	4M	84	ARG	N-CA	27.98	1.82	1.46
1	4U	84	ARG	N-CA	27.98	1.82	1.46
1	5Q	84	ARG	N-CA	27.98	1.82	1.46
1	6I	84	ARG	N-CA	27.98	1.82	1.46
1	6Q	84	ARG	N-CA	27.98	1.82	1.46
1	7M	84	ARG	N-CA	27.98	1.82	1.46
1	1M	84	ARG	N-CA	27.97	1.82	1.46
1	2I	84	ARG	N-CA	27.97	1.82	1.46
1	3A	84	ARG	N-CA	27.97	1.82	1.46
1	3I	84	ARG	N-CA	27.97	1.82	1.46
1	32	84	ARG	N-CA	27.97	1.82	1.46
1	4E	84	ARG	N-CA	27.97	1.82	1.46
1	4Y	84	ARG	N-CA	27.97	1.82	1.46
1	5U	84	ARG	N-CA	27.97	1.82	1.46
1	6M	84	ARG	N-CA	27.97	1.82	1.46
1	6U	84	ARG	N-CA	27.97	1.82	1.46
1	7E	84	ARG	N-CA	27.97	1.82	1.46
1	7Q	84	ARG	N-CA	27.97	1.82	1.46
1	1Q	84	ARG	N-CA	27.93	1.82	1.46
1	1U	84	ARG	N-CA	27.93	1.82	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	84	ARG	N-CA	27.93	1.82	1.46
1	2Q	84	ARG	N-CA	27.93	1.82	1.46
1	2U	84	ARG	N-CA	27.93	1.82	1.46
1	2Y	84	ARG	N-CA	27.93	1.82	1.46
1	42	84	ARG	N-CA	27.93	1.82	1.46
1	46	84	ARG	N-CA	27.93	1.82	1.46
1	5A	84	ARG	N-CA	27.93	1.82	1.46
1	52	84	ARG	N-CA	27.93	1.82	1.46
1	56	84	ARG	N-CA	27.93	1.82	1.46
1	6A	84	ARG	N-CA	27.93	1.82	1.46
1	1M	38	PRO	N-CD	27.92	1.86	1.47
1	2I	38	PRO	N-CD	27.92	1.86	1.47
1	3A	38	PRO	N-CD	27.92	1.86	1.47
1	3I	38	PRO	N-CD	27.92	1.86	1.47
1	32	38	PRO	N-CD	27.92	1.86	1.47
1	4E	38	PRO	N-CD	27.92	1.86	1.47
1	4Y	38	PRO	N-CD	27.92	1.86	1.47
1	5U	38	PRO	N-CD	27.92	1.86	1.47
1	6M	38	PRO	N-CD	27.92	1.86	1.47
1	6U	38	PRO	N-CD	27.92	1.86	1.47
1	7E	38	PRO	N-CD	27.92	1.86	1.47
1	7Q	38	PRO	N-CD	27.92	1.86	1.47
1	1A	38	PRO	N-CD	27.92	1.86	1.47
1	1I	38	PRO	N-CD	27.92	1.86	1.47
1	1Q	38	PRO	N-CD	27.92	1.86	1.47
1	1U	38	PRO	N-CD	27.92	1.86	1.47
1	1Y	38	PRO	N-CD	27.92	1.86	1.47
1	2E	38	PRO	N-CD	27.92	1.86	1.47
1	2Q	38	PRO	N-CD	27.92	1.86	1.47
1	2U	38	PRO	N-CD	27.92	1.86	1.47
1	2Y	38	PRO	N-CD	27.92	1.86	1.47
1	26	38	PRO	N-CD	27.92	1.86	1.47
1	3E	38	PRO	N-CD	27.92	1.86	1.47
1	4A	38	PRO	N-CD	27.92	1.86	1.47
1	4M	38	PRO	N-CD	27.92	1.86	1.47
1	4U	38	PRO	N-CD	27.92	1.86	1.47
1	42	38	PRO	N-CD	27.92	1.86	1.47
1	46	38	PRO	N-CD	27.92	1.86	1.47
1	5A	38	PRO	N-CD	27.92	1.86	1.47
1	5Q	38	PRO	N-CD	27.92	1.86	1.47
1	52	38	PRO	N-CD	27.92	1.86	1.47
1	56	38	PRO	N-CD	27.92	1.86	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6A	38	PRO	N-CD	27.92	1.86	1.47
1	6I	38	PRO	N-CD	27.92	1.86	1.47
1	6Q	38	PRO	N-CD	27.92	1.86	1.47
1	7M	38	PRO	N-CD	27.92	1.86	1.47
1	12	38	PRO	N-CD	27.90	1.86	1.47
1	16	38	PRO	N-CD	27.90	1.86	1.47
1	2A	38	PRO	N-CD	27.90	1.86	1.47
1	3Q	38	PRO	N-CD	27.90	1.86	1.47
1	3U	38	PRO	N-CD	27.90	1.86	1.47
1	3Y	38	PRO	N-CD	27.90	1.86	1.47
1	5E	38	PRO	N-CD	27.90	1.86	1.47
1	5I	38	PRO	N-CD	27.90	1.86	1.47
1	5M	38	PRO	N-CD	27.90	1.86	1.47
1	62	38	PRO	N-CD	27.90	1.86	1.47
1	66	38	PRO	N-CD	27.90	1.86	1.47
1	7A	38	PRO	N-CD	27.90	1.86	1.47
1	1A	65	PHE	CB-CG	27.88	2.14	1.50
1	1I	65	PHE	CB-CG	27.88	2.14	1.50
1	2E	65	PHE	CB-CG	27.88	2.14	1.50
1	26	65	PHE	CB-CG	27.88	2.14	1.50
1	3E	65	PHE	CB-CG	27.88	2.14	1.50
1	4A	65	PHE	CB-CG	27.88	2.14	1.50
1	4M	65	PHE	CB-CG	27.88	2.14	1.50
1	4U	65	PHE	CB-CG	27.88	2.14	1.50
1	5Q	65	PHE	CB-CG	27.88	2.14	1.50
1	6I	65	PHE	CB-CG	27.88	2.14	1.50
1	6Q	65	PHE	CB-CG	27.88	2.14	1.50
1	7M	65	PHE	CB-CG	27.88	2.14	1.50
1	1M	65	PHE	CB-CG	27.87	2.14	1.50
1	2I	65	PHE	CB-CG	27.87	2.14	1.50
1	3A	65	PHE	CB-CG	27.87	2.14	1.50
1	3I	65	PHE	CB-CG	27.87	2.14	1.50
1	32	65	PHE	CB-CG	27.87	2.14	1.50
1	4E	65	PHE	CB-CG	27.87	2.14	1.50
1	4Y	65	PHE	CB-CG	27.87	2.14	1.50
1	5U	65	PHE	CB-CG	27.87	2.14	1.50
1	6M	65	PHE	CB-CG	27.87	2.14	1.50
1	6U	65	PHE	CB-CG	27.87	2.14	1.50
1	7E	65	PHE	CB-CG	27.87	2.14	1.50
1	7Q	65	PHE	CB-CG	27.87	2.14	1.50
1	1E	65	PHE	CB-CG	27.85	2.14	1.50
1	2M	65	PHE	CB-CG	27.85	2.14	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	65	PHE	CB-CG	27.85	2.14	1.50
1	3M	65	PHE	CB-CG	27.85	2.14	1.50
1	36	65	PHE	CB-CG	27.85	2.14	1.50
1	4I	65	PHE	CB-CG	27.85	2.14	1.50
1	4Q	65	PHE	CB-CG	27.85	2.14	1.50
1	5Y	65	PHE	CB-CG	27.85	2.14	1.50
1	6E	65	PHE	CB-CG	27.85	2.14	1.50
1	6Y	65	PHE	CB-CG	27.85	2.14	1.50
1	7I	65	PHE	CB-CG	27.85	2.14	1.50
1	7U	65	PHE	CB-CG	27.85	2.14	1.50
1	12	65	PHE	CB-CG	27.85	2.14	1.50
1	16	65	PHE	CB-CG	27.85	2.14	1.50
1	2A	65	PHE	CB-CG	27.85	2.14	1.50
1	3Q	65	PHE	CB-CG	27.85	2.14	1.50
1	3U	65	PHE	CB-CG	27.85	2.14	1.50
1	3Y	65	PHE	CB-CG	27.85	2.14	1.50
1	5E	65	PHE	CB-CG	27.85	2.14	1.50
1	5I	65	PHE	CB-CG	27.85	2.14	1.50
1	5M	65	PHE	CB-CG	27.85	2.14	1.50
1	62	65	PHE	CB-CG	27.85	2.14	1.50
1	66	65	PHE	CB-CG	27.85	2.14	1.50
1	7A	65	PHE	CB-CG	27.85	2.14	1.50
1	1Q	65	PHE	CB-CG	27.84	2.14	1.50
1	1U	65	PHE	CB-CG	27.84	2.14	1.50
1	1Y	65	PHE	CB-CG	27.84	2.14	1.50
1	2Q	65	PHE	CB-CG	27.84	2.14	1.50
1	2U	65	PHE	CB-CG	27.84	2.14	1.50
1	2Y	65	PHE	CB-CG	27.84	2.14	1.50
1	42	65	PHE	CB-CG	27.84	2.14	1.50
1	46	65	PHE	CB-CG	27.84	2.14	1.50
1	5A	65	PHE	CB-CG	27.84	2.14	1.50
1	52	65	PHE	CB-CG	27.84	2.14	1.50
1	56	65	PHE	CB-CG	27.84	2.14	1.50
1	6A	65	PHE	CB-CG	27.84	2.14	1.50
2	1N	225	ASN	CA-CB	27.84	2.00	1.53
2	2J	225	ASN	CA-CB	27.84	2.00	1.53
2	3B	225	ASN	CA-CB	27.84	2.00	1.53
2	3J	225	ASN	CA-CB	27.84	2.00	1.53
2	33	225	ASN	CA-CB	27.84	2.00	1.53
2	4F	225	ASN	CA-CB	27.84	2.00	1.53
2	4Z	225	ASN	CA-CB	27.84	2.00	1.53
2	5V	225	ASN	CA-CB	27.84	2.00	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	225	ASN	CA-CB	27.84	2.00	1.53
2	6V	225	ASN	CA-CB	27.84	2.00	1.53
2	7F	225	ASN	CA-CB	27.84	2.00	1.53
2	7R	225	ASN	CA-CB	27.84	2.00	1.53
2	1F	225	ASN	CA-CB	27.82	2.00	1.53
2	2N	225	ASN	CA-CB	27.82	2.00	1.53
2	23	225	ASN	CA-CB	27.82	2.00	1.53
2	3N	225	ASN	CA-CB	27.82	2.00	1.53
2	37	225	ASN	CA-CB	27.82	2.00	1.53
2	4J	225	ASN	CA-CB	27.82	2.00	1.53
2	4R	225	ASN	CA-CB	27.82	2.00	1.53
2	5Z	225	ASN	CA-CB	27.82	2.00	1.53
2	6F	225	ASN	CA-CB	27.82	2.00	1.53
2	6Z	225	ASN	CA-CB	27.82	2.00	1.53
2	7J	225	ASN	CA-CB	27.82	2.00	1.53
2	7V	225	ASN	CA-CB	27.82	2.00	1.53
2	1B	225	ASN	CA-CB	27.82	2.00	1.53
2	1J	225	ASN	CA-CB	27.82	2.00	1.53
2	2F	225	ASN	CA-CB	27.82	2.00	1.53
2	27	225	ASN	CA-CB	27.82	2.00	1.53
2	3F	225	ASN	CA-CB	27.82	2.00	1.53
2	4B	225	ASN	CA-CB	27.82	2.00	1.53
2	4N	225	ASN	CA-CB	27.82	2.00	1.53
2	4V	225	ASN	CA-CB	27.82	2.00	1.53
2	5R	225	ASN	CA-CB	27.82	2.00	1.53
2	6J	225	ASN	CA-CB	27.82	2.00	1.53
2	6R	225	ASN	CA-CB	27.82	2.00	1.53
2	7N	225	ASN	CA-CB	27.82	2.00	1.53
2	1R	225	ASN	CA-CB	27.81	2.00	1.53
2	1V	225	ASN	CA-CB	27.81	2.00	1.53
2	1Z	225	ASN	CA-CB	27.81	2.00	1.53
2	2R	225	ASN	CA-CB	27.81	2.00	1.53
2	2V	225	ASN	CA-CB	27.81	2.00	1.53
2	2Z	225	ASN	CA-CB	27.81	2.00	1.53
2	43	225	ASN	CA-CB	27.81	2.00	1.53
2	47	225	ASN	CA-CB	27.81	2.00	1.53
2	5B	225	ASN	CA-CB	27.81	2.00	1.53
2	53	225	ASN	CA-CB	27.81	2.00	1.53
2	57	225	ASN	CA-CB	27.81	2.00	1.53
2	6B	225	ASN	CA-CB	27.81	2.00	1.53
2	13	53	LYS	CA-CB	-27.77	1.09	1.53
2	17	53	LYS	CA-CB	-27.77	1.09	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	53	LYS	CA-CB	-27.77	1.09	1.53
2	3R	53	LYS	CA-CB	-27.77	1.09	1.53
2	3V	53	LYS	CA-CB	-27.77	1.09	1.53
2	3Z	53	LYS	CA-CB	-27.77	1.09	1.53
2	5F	53	LYS	CA-CB	-27.77	1.09	1.53
2	5J	53	LYS	CA-CB	-27.77	1.09	1.53
2	5N	53	LYS	CA-CB	-27.77	1.09	1.53
2	63	53	LYS	CA-CB	-27.77	1.09	1.53
2	67	53	LYS	CA-CB	-27.77	1.09	1.53
2	7B	53	LYS	CA-CB	-27.77	1.09	1.53
2	1B	53	LYS	CA-CB	-27.77	1.09	1.53
2	1J	53	LYS	CA-CB	-27.77	1.09	1.53
2	2F	53	LYS	CA-CB	-27.77	1.09	1.53
2	27	53	LYS	CA-CB	-27.77	1.09	1.53
2	3F	53	LYS	CA-CB	-27.77	1.09	1.53
2	4B	53	LYS	CA-CB	-27.77	1.09	1.53
2	4N	53	LYS	CA-CB	-27.77	1.09	1.53
2	4V	53	LYS	CA-CB	-27.77	1.09	1.53
2	5R	53	LYS	CA-CB	-27.77	1.09	1.53
2	6J	53	LYS	CA-CB	-27.77	1.09	1.53
2	6R	53	LYS	CA-CB	-27.77	1.09	1.53
2	7N	53	LYS	CA-CB	-27.77	1.09	1.53
2	13	225	ASN	CA-CB	27.76	2.00	1.53
2	17	225	ASN	CA-CB	27.76	2.00	1.53
2	2B	225	ASN	CA-CB	27.76	2.00	1.53
2	3R	225	ASN	CA-CB	27.76	2.00	1.53
2	3V	225	ASN	CA-CB	27.76	2.00	1.53
2	3Z	225	ASN	CA-CB	27.76	2.00	1.53
2	5F	225	ASN	CA-CB	27.76	2.00	1.53
2	5J	225	ASN	CA-CB	27.76	2.00	1.53
2	5N	225	ASN	CA-CB	27.76	2.00	1.53
2	63	225	ASN	CA-CB	27.76	2.00	1.53
2	67	225	ASN	CA-CB	27.76	2.00	1.53
2	7B	225	ASN	CA-CB	27.76	2.00	1.53
2	1R	53	LYS	CA-CB	-27.76	1.09	1.53
2	1V	53	LYS	CA-CB	-27.76	1.09	1.53
2	1Z	53	LYS	CA-CB	-27.76	1.09	1.53
2	2R	53	LYS	CA-CB	-27.76	1.09	1.53
2	2V	53	LYS	CA-CB	-27.76	1.09	1.53
2	2Z	53	LYS	CA-CB	-27.76	1.09	1.53
2	43	53	LYS	CA-CB	-27.76	1.09	1.53
2	47	53	LYS	CA-CB	-27.76	1.09	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	53	LYS	CA-CB	-27.76	1.09	1.53
2	53	53	LYS	CA-CB	-27.76	1.09	1.53
2	57	53	LYS	CA-CB	-27.76	1.09	1.53
2	6B	53	LYS	CA-CB	-27.76	1.09	1.53
2	1N	53	LYS	CA-CB	-27.74	1.09	1.53
2	2J	53	LYS	CA-CB	-27.74	1.09	1.53
2	3B	53	LYS	CA-CB	-27.74	1.09	1.53
2	3J	53	LYS	CA-CB	-27.74	1.09	1.53
2	33	53	LYS	CA-CB	-27.74	1.09	1.53
2	4F	53	LYS	CA-CB	-27.74	1.09	1.53
2	4Z	53	LYS	CA-CB	-27.74	1.09	1.53
2	5V	53	LYS	CA-CB	-27.74	1.09	1.53
2	6N	53	LYS	CA-CB	-27.74	1.09	1.53
2	6V	53	LYS	CA-CB	-27.74	1.09	1.53
2	7F	53	LYS	CA-CB	-27.74	1.09	1.53
2	7R	53	LYS	CA-CB	-27.74	1.09	1.53
2	1F	53	LYS	CA-CB	-27.73	1.09	1.53
2	2N	53	LYS	CA-CB	-27.73	1.09	1.53
2	23	53	LYS	CA-CB	-27.73	1.09	1.53
2	3N	53	LYS	CA-CB	-27.73	1.09	1.53
2	37	53	LYS	CA-CB	-27.73	1.09	1.53
2	4J	53	LYS	CA-CB	-27.73	1.09	1.53
2	4R	53	LYS	CA-CB	-27.73	1.09	1.53
2	5Z	53	LYS	CA-CB	-27.73	1.09	1.53
2	6F	53	LYS	CA-CB	-27.73	1.09	1.53
2	6Z	53	LYS	CA-CB	-27.73	1.09	1.53
2	7J	53	LYS	CA-CB	-27.73	1.09	1.53
2	7V	53	LYS	CA-CB	-27.73	1.09	1.53
2	13	9	VAL	CA-CB	27.64	1.92	1.54
2	17	9	VAL	CA-CB	27.64	1.92	1.54
2	2B	9	VAL	CA-CB	27.64	1.92	1.54
2	3R	9	VAL	CA-CB	27.64	1.92	1.54
2	3V	9	VAL	CA-CB	27.64	1.92	1.54
2	3Z	9	VAL	CA-CB	27.64	1.92	1.54
2	5F	9	VAL	CA-CB	27.64	1.92	1.54
2	5J	9	VAL	CA-CB	27.64	1.92	1.54
2	5N	9	VAL	CA-CB	27.64	1.92	1.54
2	63	9	VAL	CA-CB	27.64	1.92	1.54
2	67	9	VAL	CA-CB	27.64	1.92	1.54
2	7B	9	VAL	CA-CB	27.64	1.92	1.54
2	1R	9	VAL	CA-CB	27.61	1.92	1.54
2	1V	9	VAL	CA-CB	27.61	1.92	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	9	VAL	CA-CB	27.61	1.92	1.54
2	2R	9	VAL	CA-CB	27.61	1.92	1.54
2	2V	9	VAL	CA-CB	27.61	1.92	1.54
2	2Z	9	VAL	CA-CB	27.61	1.92	1.54
2	43	9	VAL	CA-CB	27.61	1.92	1.54
2	47	9	VAL	CA-CB	27.61	1.92	1.54
2	5B	9	VAL	CA-CB	27.61	1.92	1.54
2	53	9	VAL	CA-CB	27.61	1.92	1.54
2	57	9	VAL	CA-CB	27.61	1.92	1.54
2	6B	9	VAL	CA-CB	27.61	1.92	1.54
2	1N	9	VAL	CA-CB	27.61	1.92	1.54
2	2J	9	VAL	CA-CB	27.61	1.92	1.54
2	3B	9	VAL	CA-CB	27.61	1.92	1.54
2	3J	9	VAL	CA-CB	27.61	1.92	1.54
2	33	9	VAL	CA-CB	27.61	1.92	1.54
2	4F	9	VAL	CA-CB	27.61	1.92	1.54
2	4Z	9	VAL	CA-CB	27.61	1.92	1.54
2	5V	9	VAL	CA-CB	27.61	1.92	1.54
2	6N	9	VAL	CA-CB	27.61	1.92	1.54
2	6V	9	VAL	CA-CB	27.61	1.92	1.54
2	7F	9	VAL	CA-CB	27.61	1.92	1.54
2	7R	9	VAL	CA-CB	27.61	1.92	1.54
2	1B	9	VAL	CA-CB	27.60	1.92	1.54
2	1J	9	VAL	CA-CB	27.60	1.92	1.54
2	2F	9	VAL	CA-CB	27.60	1.92	1.54
2	27	9	VAL	CA-CB	27.60	1.92	1.54
2	3F	9	VAL	CA-CB	27.60	1.92	1.54
2	4B	9	VAL	CA-CB	27.60	1.92	1.54
2	4N	9	VAL	CA-CB	27.60	1.92	1.54
2	4V	9	VAL	CA-CB	27.60	1.92	1.54
2	5R	9	VAL	CA-CB	27.60	1.92	1.54
2	6J	9	VAL	CA-CB	27.60	1.92	1.54
2	6R	9	VAL	CA-CB	27.60	1.92	1.54
2	7N	9	VAL	CA-CB	27.60	1.92	1.54
2	1F	9	VAL	CA-CB	27.59	1.92	1.54
2	2N	9	VAL	CA-CB	27.59	1.92	1.54
2	23	9	VAL	CA-CB	27.59	1.92	1.54
2	3N	9	VAL	CA-CB	27.59	1.92	1.54
2	37	9	VAL	CA-CB	27.59	1.92	1.54
2	4J	9	VAL	CA-CB	27.59	1.92	1.54
2	4R	9	VAL	CA-CB	27.59	1.92	1.54
2	5Z	9	VAL	CA-CB	27.59	1.92	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	9	VAL	CA-CB	27.59	1.92	1.54
2	6Z	9	VAL	CA-CB	27.59	1.92	1.54
2	7J	9	VAL	CA-CB	27.59	1.92	1.54
2	7V	9	VAL	CA-CB	27.59	1.92	1.54
1	1M	48	TYR	CD1-CE1	27.51	2.21	1.38
1	2I	48	TYR	CD1-CE1	27.51	2.21	1.38
1	3A	48	TYR	CD1-CE1	27.51	2.21	1.38
1	3I	48	TYR	CD1-CE1	27.51	2.21	1.38
1	32	48	TYR	CD1-CE1	27.51	2.21	1.38
1	4E	48	TYR	CD1-CE1	27.51	2.21	1.38
1	4Y	48	TYR	CD1-CE1	27.51	2.21	1.38
1	5U	48	TYR	CD1-CE1	27.51	2.21	1.38
1	6M	48	TYR	CD1-CE1	27.51	2.21	1.38
1	6U	48	TYR	CD1-CE1	27.51	2.21	1.38
1	7E	48	TYR	CD1-CE1	27.51	2.21	1.38
1	7Q	48	TYR	CD1-CE1	27.51	2.21	1.38
1	1A	48	TYR	CD1-CE1	27.50	2.21	1.38
1	1I	48	TYR	CD1-CE1	27.50	2.21	1.38
2	1R	30	PRO	N-CD	27.50	1.86	1.47
2	1V	30	PRO	N-CD	27.50	1.86	1.47
2	1Z	30	PRO	N-CD	27.50	1.86	1.47
1	2E	48	TYR	CD1-CE1	27.50	2.21	1.38
2	2R	30	PRO	N-CD	27.50	1.86	1.47
2	2V	30	PRO	N-CD	27.50	1.86	1.47
2	2Z	30	PRO	N-CD	27.50	1.86	1.47
1	26	48	TYR	CD1-CE1	27.50	2.21	1.38
1	3E	48	TYR	CD1-CE1	27.50	2.21	1.38
1	4A	48	TYR	CD1-CE1	27.50	2.21	1.38
1	4M	48	TYR	CD1-CE1	27.50	2.21	1.38
1	4U	48	TYR	CD1-CE1	27.50	2.21	1.38
2	43	30	PRO	N-CD	27.50	1.86	1.47
2	47	30	PRO	N-CD	27.50	1.86	1.47
2	5B	30	PRO	N-CD	27.50	1.86	1.47
1	5Q	48	TYR	CD1-CE1	27.50	2.21	1.38
2	53	30	PRO	N-CD	27.50	1.86	1.47
2	57	30	PRO	N-CD	27.50	1.86	1.47
2	6B	30	PRO	N-CD	27.50	1.86	1.47
1	6I	48	TYR	CD1-CE1	27.50	2.21	1.38
1	6Q	48	TYR	CD1-CE1	27.50	2.21	1.38
1	7M	48	TYR	CD1-CE1	27.50	2.21	1.38
2	1N	30	PRO	N-CD	27.50	1.86	1.47
2	2J	30	PRO	N-CD	27.50	1.86	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	30	PRO	N-CD	27.50	1.86	1.47
2	3J	30	PRO	N-CD	27.50	1.86	1.47
2	33	30	PRO	N-CD	27.50	1.86	1.47
2	4F	30	PRO	N-CD	27.50	1.86	1.47
2	4Z	30	PRO	N-CD	27.50	1.86	1.47
2	5V	30	PRO	N-CD	27.50	1.86	1.47
2	6N	30	PRO	N-CD	27.50	1.86	1.47
2	6V	30	PRO	N-CD	27.50	1.86	1.47
2	7F	30	PRO	N-CD	27.50	1.86	1.47
2	7R	30	PRO	N-CD	27.50	1.86	1.47
1	1Q	48	TYR	CD1-CE1	27.50	2.21	1.38
1	1U	48	TYR	CD1-CE1	27.50	2.21	1.38
1	1Y	48	TYR	CD1-CE1	27.50	2.21	1.38
1	2Q	48	TYR	CD1-CE1	27.50	2.21	1.38
1	2U	48	TYR	CD1-CE1	27.50	2.21	1.38
1	2Y	48	TYR	CD1-CE1	27.50	2.21	1.38
1	42	48	TYR	CD1-CE1	27.50	2.21	1.38
1	46	48	TYR	CD1-CE1	27.50	2.21	1.38
1	5A	48	TYR	CD1-CE1	27.50	2.21	1.38
1	52	48	TYR	CD1-CE1	27.50	2.21	1.38
1	56	48	TYR	CD1-CE1	27.50	2.21	1.38
1	6A	48	TYR	CD1-CE1	27.50	2.21	1.38
1	12	48	TYR	CD1-CE1	27.49	2.21	1.38
1	16	48	TYR	CD1-CE1	27.49	2.21	1.38
1	2A	48	TYR	CD1-CE1	27.49	2.21	1.38
1	3Q	48	TYR	CD1-CE1	27.49	2.21	1.38
1	3U	48	TYR	CD1-CE1	27.49	2.21	1.38
1	3Y	48	TYR	CD1-CE1	27.49	2.21	1.38
1	5E	48	TYR	CD1-CE1	27.49	2.21	1.38
1	5I	48	TYR	CD1-CE1	27.49	2.21	1.38
1	5M	48	TYR	CD1-CE1	27.49	2.21	1.38
1	62	48	TYR	CD1-CE1	27.49	2.21	1.38
1	66	48	TYR	CD1-CE1	27.49	2.21	1.38
1	7A	48	TYR	CD1-CE1	27.49	2.21	1.38
1	1E	48	TYR	CD1-CE1	27.49	2.21	1.38
1	2M	48	TYR	CD1-CE1	27.49	2.21	1.38
1	22	48	TYR	CD1-CE1	27.49	2.21	1.38
1	3M	48	TYR	CD1-CE1	27.49	2.21	1.38
1	36	48	TYR	CD1-CE1	27.49	2.21	1.38
1	4I	48	TYR	CD1-CE1	27.49	2.21	1.38
1	4Q	48	TYR	CD1-CE1	27.49	2.21	1.38
1	5Y	48	TYR	CD1-CE1	27.49	2.21	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	48	TYR	CD1-CE1	27.49	2.21	1.38
1	6Y	48	TYR	CD1-CE1	27.49	2.21	1.38
1	7I	48	TYR	CD1-CE1	27.49	2.21	1.38
1	7U	48	TYR	CD1-CE1	27.49	2.21	1.38
2	1B	30	PRO	N-CD	27.49	1.86	1.47
2	1J	30	PRO	N-CD	27.49	1.86	1.47
2	2F	30	PRO	N-CD	27.49	1.86	1.47
2	27	30	PRO	N-CD	27.49	1.86	1.47
2	3F	30	PRO	N-CD	27.49	1.86	1.47
2	4B	30	PRO	N-CD	27.49	1.86	1.47
2	4N	30	PRO	N-CD	27.49	1.86	1.47
2	4V	30	PRO	N-CD	27.49	1.86	1.47
2	5R	30	PRO	N-CD	27.49	1.86	1.47
2	6J	30	PRO	N-CD	27.49	1.86	1.47
2	6R	30	PRO	N-CD	27.49	1.86	1.47
2	7N	30	PRO	N-CD	27.49	1.86	1.47
2	1F	30	PRO	N-CD	27.48	1.86	1.47
2	13	30	PRO	N-CD	27.48	1.86	1.47
2	17	30	PRO	N-CD	27.48	1.86	1.47
2	2B	30	PRO	N-CD	27.48	1.86	1.47
2	2N	30	PRO	N-CD	27.48	1.86	1.47
2	23	30	PRO	N-CD	27.48	1.86	1.47
2	3N	30	PRO	N-CD	27.48	1.86	1.47
2	3R	30	PRO	N-CD	27.48	1.86	1.47
2	3V	30	PRO	N-CD	27.48	1.86	1.47
2	3Z	30	PRO	N-CD	27.48	1.86	1.47
2	37	30	PRO	N-CD	27.48	1.86	1.47
2	4J	30	PRO	N-CD	27.48	1.86	1.47
2	4R	30	PRO	N-CD	27.48	1.86	1.47
2	5F	30	PRO	N-CD	27.48	1.86	1.47
2	5J	30	PRO	N-CD	27.48	1.86	1.47
2	5N	30	PRO	N-CD	27.48	1.86	1.47
2	5Z	30	PRO	N-CD	27.48	1.86	1.47
2	6F	30	PRO	N-CD	27.48	1.86	1.47
2	6Z	30	PRO	N-CD	27.48	1.86	1.47
2	63	30	PRO	N-CD	27.48	1.86	1.47
2	67	30	PRO	N-CD	27.48	1.86	1.47
2	7B	30	PRO	N-CD	27.48	1.86	1.47
2	7J	30	PRO	N-CD	27.48	1.86	1.47
2	7V	30	PRO	N-CD	27.48	1.86	1.47
2	13	28	THR	CA-C	27.44	1.93	1.52
2	17	28	THR	CA-C	27.44	1.93	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	28	THR	CA-C	27.44	1.93	1.52
2	3R	28	THR	CA-C	27.44	1.93	1.52
2	3V	28	THR	CA-C	27.44	1.93	1.52
2	3Z	28	THR	CA-C	27.44	1.93	1.52
2	5F	28	THR	CA-C	27.44	1.93	1.52
2	5J	28	THR	CA-C	27.44	1.93	1.52
2	5N	28	THR	CA-C	27.44	1.93	1.52
2	63	28	THR	CA-C	27.44	1.93	1.52
2	67	28	THR	CA-C	27.44	1.93	1.52
2	7B	28	THR	CA-C	27.44	1.93	1.52
2	1F	28	THR	CA-C	27.43	1.93	1.52
2	2N	28	THR	CA-C	27.43	1.93	1.52
2	23	28	THR	CA-C	27.43	1.93	1.52
2	3N	28	THR	CA-C	27.43	1.93	1.52
2	37	28	THR	CA-C	27.43	1.93	1.52
2	4J	28	THR	CA-C	27.43	1.93	1.52
2	4R	28	THR	CA-C	27.43	1.93	1.52
2	5Z	28	THR	CA-C	27.43	1.93	1.52
2	6F	28	THR	CA-C	27.43	1.93	1.52
2	6Z	28	THR	CA-C	27.43	1.93	1.52
2	7J	28	THR	CA-C	27.43	1.93	1.52
2	7V	28	THR	CA-C	27.43	1.93	1.52
2	1B	28	THR	CA-C	27.42	1.93	1.52
2	1J	28	THR	CA-C	27.42	1.93	1.52
2	2F	28	THR	CA-C	27.42	1.93	1.52
2	27	28	THR	CA-C	27.42	1.93	1.52
2	3F	28	THR	CA-C	27.42	1.93	1.52
2	4B	28	THR	CA-C	27.42	1.93	1.52
2	4N	28	THR	CA-C	27.42	1.93	1.52
2	4V	28	THR	CA-C	27.42	1.93	1.52
2	5R	28	THR	CA-C	27.42	1.93	1.52
2	6J	28	THR	CA-C	27.42	1.93	1.52
2	6R	28	THR	CA-C	27.42	1.93	1.52
2	7N	28	THR	CA-C	27.42	1.93	1.52
2	1N	28	THR	CA-C	27.41	1.93	1.52
2	2J	28	THR	CA-C	27.41	1.93	1.52
2	3B	28	THR	CA-C	27.41	1.93	1.52
2	3J	28	THR	CA-C	27.41	1.93	1.52
2	33	28	THR	CA-C	27.41	1.93	1.52
2	4F	28	THR	CA-C	27.41	1.93	1.52
2	4Z	28	THR	CA-C	27.41	1.93	1.52
2	5V	28	THR	CA-C	27.41	1.93	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	28	THR	CA-C	27.41	1.93	1.52
2	6V	28	THR	CA-C	27.41	1.93	1.52
2	7F	28	THR	CA-C	27.41	1.93	1.52
2	7R	28	THR	CA-C	27.41	1.93	1.52
2	1R	28	THR	CA-C	27.38	1.93	1.52
2	1V	28	THR	CA-C	27.38	1.93	1.52
2	1Z	28	THR	CA-C	27.38	1.93	1.52
2	2R	28	THR	CA-C	27.38	1.93	1.52
2	2V	28	THR	CA-C	27.38	1.93	1.52
2	2Z	28	THR	CA-C	27.38	1.93	1.52
2	43	28	THR	CA-C	27.38	1.93	1.52
2	47	28	THR	CA-C	27.38	1.93	1.52
2	5B	28	THR	CA-C	27.38	1.93	1.52
2	53	28	THR	CA-C	27.38	1.93	1.52
2	57	28	THR	CA-C	27.38	1.93	1.52
2	6B	28	THR	CA-C	27.38	1.93	1.52
1	1M	84	ARG	CZ-NH2	27.35	1.69	1.33
1	2I	84	ARG	CZ-NH2	27.35	1.69	1.33
1	3A	84	ARG	CZ-NH2	27.35	1.69	1.33
1	3I	84	ARG	CZ-NH2	27.35	1.69	1.33
1	32	84	ARG	CZ-NH2	27.35	1.69	1.33
1	4E	84	ARG	CZ-NH2	27.35	1.69	1.33
1	4Y	84	ARG	CZ-NH2	27.35	1.69	1.33
1	5U	84	ARG	CZ-NH2	27.35	1.69	1.33
1	6M	84	ARG	CZ-NH2	27.35	1.69	1.33
1	6U	84	ARG	CZ-NH2	27.35	1.69	1.33
1	7E	84	ARG	CZ-NH2	27.35	1.69	1.33
1	7Q	84	ARG	CZ-NH2	27.35	1.69	1.33
1	12	84	ARG	CZ-NH2	27.35	1.69	1.33
1	16	84	ARG	CZ-NH2	27.35	1.69	1.33
1	2A	84	ARG	CZ-NH2	27.35	1.69	1.33
1	3Q	84	ARG	CZ-NH2	27.35	1.69	1.33
1	3U	84	ARG	CZ-NH2	27.35	1.69	1.33
1	3Y	84	ARG	CZ-NH2	27.35	1.69	1.33
1	5E	84	ARG	CZ-NH2	27.35	1.69	1.33
1	5I	84	ARG	CZ-NH2	27.35	1.69	1.33
1	5M	84	ARG	CZ-NH2	27.35	1.69	1.33
1	62	84	ARG	CZ-NH2	27.35	1.69	1.33
1	66	84	ARG	CZ-NH2	27.35	1.69	1.33
1	7A	84	ARG	CZ-NH2	27.35	1.69	1.33
1	1A	84	ARG	CZ-NH2	27.34	1.69	1.33
1	1I	84	ARG	CZ-NH2	27.34	1.69	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	84	ARG	CZ-NH2	27.34	1.69	1.33
1	26	84	ARG	CZ-NH2	27.34	1.69	1.33
1	3E	84	ARG	CZ-NH2	27.34	1.69	1.33
1	4A	84	ARG	CZ-NH2	27.34	1.69	1.33
1	4M	84	ARG	CZ-NH2	27.34	1.69	1.33
1	4U	84	ARG	CZ-NH2	27.34	1.69	1.33
1	5Q	84	ARG	CZ-NH2	27.34	1.69	1.33
1	6I	84	ARG	CZ-NH2	27.34	1.69	1.33
1	6Q	84	ARG	CZ-NH2	27.34	1.69	1.33
1	7M	84	ARG	CZ-NH2	27.34	1.69	1.33
1	1Q	84	ARG	CZ-NH2	27.34	1.69	1.33
1	1U	84	ARG	CZ-NH2	27.34	1.69	1.33
1	1Y	84	ARG	CZ-NH2	27.34	1.69	1.33
1	2Q	84	ARG	CZ-NH2	27.34	1.69	1.33
1	2U	84	ARG	CZ-NH2	27.34	1.69	1.33
1	2Y	84	ARG	CZ-NH2	27.34	1.69	1.33
1	42	84	ARG	CZ-NH2	27.34	1.69	1.33
1	46	84	ARG	CZ-NH2	27.34	1.69	1.33
1	5A	84	ARG	CZ-NH2	27.34	1.69	1.33
1	52	84	ARG	CZ-NH2	27.34	1.69	1.33
1	56	84	ARG	CZ-NH2	27.34	1.69	1.33
1	6A	84	ARG	CZ-NH2	27.34	1.69	1.33
1	1E	84	ARG	CZ-NH2	27.33	1.69	1.33
1	2M	84	ARG	CZ-NH2	27.33	1.69	1.33
1	22	84	ARG	CZ-NH2	27.33	1.69	1.33
1	3M	84	ARG	CZ-NH2	27.33	1.69	1.33
1	36	84	ARG	CZ-NH2	27.33	1.69	1.33
1	4I	84	ARG	CZ-NH2	27.33	1.69	1.33
1	4Q	84	ARG	CZ-NH2	27.33	1.69	1.33
1	5Y	84	ARG	CZ-NH2	27.33	1.69	1.33
1	6E	84	ARG	CZ-NH2	27.33	1.69	1.33
1	6Y	84	ARG	CZ-NH2	27.33	1.69	1.33
1	7I	84	ARG	CZ-NH2	27.33	1.69	1.33
1	7U	84	ARG	CZ-NH2	27.33	1.69	1.33
2	1B	108	HIS	CG-CD2	27.28	1.65	1.35
2	1J	108	HIS	CG-CD2	27.28	1.65	1.35
2	2F	108	HIS	CG-CD2	27.28	1.65	1.35
2	27	108	HIS	CG-CD2	27.28	1.65	1.35
2	3F	108	HIS	CG-CD2	27.28	1.65	1.35
2	4B	108	HIS	CG-CD2	27.28	1.65	1.35
2	4N	108	HIS	CG-CD2	27.28	1.65	1.35
2	4V	108	HIS	CG-CD2	27.28	1.65	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	108	HIS	CG-CD2	27.28	1.65	1.35
2	6J	108	HIS	CG-CD2	27.28	1.65	1.35
2	6R	108	HIS	CG-CD2	27.28	1.65	1.35
2	7N	108	HIS	CG-CD2	27.28	1.65	1.35
2	13	108	HIS	CG-CD2	27.27	1.65	1.35
2	17	108	HIS	CG-CD2	27.27	1.65	1.35
2	2B	108	HIS	CG-CD2	27.27	1.65	1.35
2	3R	108	HIS	CG-CD2	27.27	1.65	1.35
2	3V	108	HIS	CG-CD2	27.27	1.65	1.35
2	3Z	108	HIS	CG-CD2	27.27	1.65	1.35
2	5F	108	HIS	CG-CD2	27.27	1.65	1.35
2	5J	108	HIS	CG-CD2	27.27	1.65	1.35
2	5N	108	HIS	CG-CD2	27.27	1.65	1.35
2	63	108	HIS	CG-CD2	27.27	1.65	1.35
2	67	108	HIS	CG-CD2	27.27	1.65	1.35
2	7B	108	HIS	CG-CD2	27.27	1.65	1.35
2	1R	108	HIS	CG-CD2	27.26	1.65	1.35
2	1V	108	HIS	CG-CD2	27.26	1.65	1.35
2	1Z	108	HIS	CG-CD2	27.26	1.65	1.35
2	2R	108	HIS	CG-CD2	27.26	1.65	1.35
2	2V	108	HIS	CG-CD2	27.26	1.65	1.35
2	2Z	108	HIS	CG-CD2	27.26	1.65	1.35
2	43	108	HIS	CG-CD2	27.26	1.65	1.35
2	47	108	HIS	CG-CD2	27.26	1.65	1.35
2	5B	108	HIS	CG-CD2	27.26	1.65	1.35
2	53	108	HIS	CG-CD2	27.26	1.65	1.35
2	57	108	HIS	CG-CD2	27.26	1.65	1.35
2	6B	108	HIS	CG-CD2	27.26	1.65	1.35
2	1F	108	HIS	CG-CD2	27.25	1.65	1.35
2	2N	108	HIS	CG-CD2	27.25	1.65	1.35
2	23	108	HIS	CG-CD2	27.25	1.65	1.35
2	3N	108	HIS	CG-CD2	27.25	1.65	1.35
2	37	108	HIS	CG-CD2	27.25	1.65	1.35
2	4J	108	HIS	CG-CD2	27.25	1.65	1.35
2	4R	108	HIS	CG-CD2	27.25	1.65	1.35
2	5Z	108	HIS	CG-CD2	27.25	1.65	1.35
2	6F	108	HIS	CG-CD2	27.25	1.65	1.35
2	6Z	108	HIS	CG-CD2	27.25	1.65	1.35
2	7J	108	HIS	CG-CD2	27.25	1.65	1.35
2	7V	108	HIS	CG-CD2	27.25	1.65	1.35
2	1N	108	HIS	CG-CD2	27.24	1.65	1.35
2	2J	108	HIS	CG-CD2	27.24	1.65	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	108	HIS	CG-CD2	27.24	1.65	1.35
2	3J	108	HIS	CG-CD2	27.24	1.65	1.35
2	33	108	HIS	CG-CD2	27.24	1.65	1.35
2	4F	108	HIS	CG-CD2	27.24	1.65	1.35
2	4Z	108	HIS	CG-CD2	27.24	1.65	1.35
2	5V	108	HIS	CG-CD2	27.24	1.65	1.35
2	6N	108	HIS	CG-CD2	27.24	1.65	1.35
2	6V	108	HIS	CG-CD2	27.24	1.65	1.35
2	7F	108	HIS	CG-CD2	27.24	1.65	1.35
2	7R	108	HIS	CG-CD2	27.24	1.65	1.35
2	1B	76	ILE	CA-CB	27.13	2.00	1.55
2	1J	76	ILE	CA-CB	27.13	2.00	1.55
2	2F	76	ILE	CA-CB	27.13	2.00	1.55
2	27	76	ILE	CA-CB	27.13	2.00	1.55
2	3F	76	ILE	CA-CB	27.13	2.00	1.55
2	4B	76	ILE	CA-CB	27.13	2.00	1.55
2	4N	76	ILE	CA-CB	27.13	2.00	1.55
2	4V	76	ILE	CA-CB	27.13	2.00	1.55
2	5R	76	ILE	CA-CB	27.13	2.00	1.55
2	6J	76	ILE	CA-CB	27.13	2.00	1.55
2	6R	76	ILE	CA-CB	27.13	2.00	1.55
2	7N	76	ILE	CA-CB	27.13	2.00	1.55
2	1F	76	ILE	CA-CB	27.11	2.00	1.55
2	2N	76	ILE	CA-CB	27.11	2.00	1.55
2	23	76	ILE	CA-CB	27.11	2.00	1.55
2	3N	76	ILE	CA-CB	27.11	2.00	1.55
2	37	76	ILE	CA-CB	27.11	2.00	1.55
2	4J	76	ILE	CA-CB	27.11	2.00	1.55
2	4R	76	ILE	CA-CB	27.11	2.00	1.55
2	5Z	76	ILE	CA-CB	27.11	2.00	1.55
2	6F	76	ILE	CA-CB	27.11	2.00	1.55
2	6Z	76	ILE	CA-CB	27.11	2.00	1.55
2	7J	76	ILE	CA-CB	27.11	2.00	1.55
2	7V	76	ILE	CA-CB	27.11	2.00	1.55
2	1N	76	ILE	CA-CB	27.11	2.00	1.55
2	2J	76	ILE	CA-CB	27.11	2.00	1.55
2	3B	76	ILE	CA-CB	27.11	2.00	1.55
2	3J	76	ILE	CA-CB	27.11	2.00	1.55
2	33	76	ILE	CA-CB	27.11	2.00	1.55
2	4F	76	ILE	CA-CB	27.11	2.00	1.55
2	4Z	76	ILE	CA-CB	27.11	2.00	1.55
2	5V	76	ILE	CA-CB	27.11	2.00	1.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	76	ILE	CA-CB	27.11	2.00	1.55
2	6V	76	ILE	CA-CB	27.11	2.00	1.55
2	7F	76	ILE	CA-CB	27.11	2.00	1.55
2	7R	76	ILE	CA-CB	27.11	2.00	1.55
2	1R	76	ILE	CA-CB	27.11	2.00	1.55
2	1V	76	ILE	CA-CB	27.11	2.00	1.55
2	1Z	76	ILE	CA-CB	27.11	2.00	1.55
2	2R	76	ILE	CA-CB	27.11	2.00	1.55
2	2V	76	ILE	CA-CB	27.11	2.00	1.55
2	2Z	76	ILE	CA-CB	27.11	2.00	1.55
2	43	76	ILE	CA-CB	27.11	2.00	1.55
2	47	76	ILE	CA-CB	27.11	2.00	1.55
2	5B	76	ILE	CA-CB	27.11	2.00	1.55
2	53	76	ILE	CA-CB	27.11	2.00	1.55
2	57	76	ILE	CA-CB	27.11	2.00	1.55
2	6B	76	ILE	CA-CB	27.11	2.00	1.55
2	13	76	ILE	CA-CB	27.10	2.00	1.55
2	17	76	ILE	CA-CB	27.10	2.00	1.55
2	2B	76	ILE	CA-CB	27.10	2.00	1.55
2	3R	76	ILE	CA-CB	27.10	2.00	1.55
2	3V	76	ILE	CA-CB	27.10	2.00	1.55
2	3Z	76	ILE	CA-CB	27.10	2.00	1.55
2	5F	76	ILE	CA-CB	27.10	2.00	1.55
2	5J	76	ILE	CA-CB	27.10	2.00	1.55
2	5N	76	ILE	CA-CB	27.10	2.00	1.55
2	63	76	ILE	CA-CB	27.10	2.00	1.55
2	67	76	ILE	CA-CB	27.10	2.00	1.55
2	7B	76	ILE	CA-CB	27.10	2.00	1.55
1	1E	65	PHE	CD2-CE2	27.08	2.19	1.38
1	2M	65	PHE	CD2-CE2	27.08	2.19	1.38
1	22	65	PHE	CD2-CE2	27.08	2.19	1.38
1	3M	65	PHE	CD2-CE2	27.08	2.19	1.38
1	36	65	PHE	CD2-CE2	27.08	2.19	1.38
1	4I	65	PHE	CD2-CE2	27.08	2.19	1.38
1	4Q	65	PHE	CD2-CE2	27.08	2.19	1.38
1	5Y	65	PHE	CD2-CE2	27.08	2.19	1.38
1	6E	65	PHE	CD2-CE2	27.08	2.19	1.38
1	6Y	65	PHE	CD2-CE2	27.08	2.19	1.38
1	7I	65	PHE	CD2-CE2	27.08	2.19	1.38
1	7U	65	PHE	CD2-CE2	27.08	2.19	1.38
2	1F	60	ARG	N-CA	-27.06	1.11	1.46
2	2N	60	ARG	N-CA	-27.06	1.11	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	60	ARG	N-CA	-27.06	1.11	1.46
2	3N	60	ARG	N-CA	-27.06	1.11	1.46
2	37	60	ARG	N-CA	-27.06	1.11	1.46
2	4J	60	ARG	N-CA	-27.06	1.11	1.46
2	4R	60	ARG	N-CA	-27.06	1.11	1.46
2	5Z	60	ARG	N-CA	-27.06	1.11	1.46
2	6F	60	ARG	N-CA	-27.06	1.11	1.46
2	6Z	60	ARG	N-CA	-27.06	1.11	1.46
2	7J	60	ARG	N-CA	-27.06	1.11	1.46
2	7V	60	ARG	N-CA	-27.06	1.11	1.46
1	1A	65	PHE	CD2-CE2	27.06	2.19	1.38
1	1I	65	PHE	CD2-CE2	27.06	2.19	1.38
1	12	65	PHE	CD2-CE2	27.06	2.19	1.38
1	16	65	PHE	CD2-CE2	27.06	2.19	1.38
1	2A	65	PHE	CD2-CE2	27.06	2.19	1.38
1	2E	65	PHE	CD2-CE2	27.06	2.19	1.38
1	26	65	PHE	CD2-CE2	27.06	2.19	1.38
1	3E	65	PHE	CD2-CE2	27.06	2.19	1.38
1	3Q	65	PHE	CD2-CE2	27.06	2.19	1.38
1	3U	65	PHE	CD2-CE2	27.06	2.19	1.38
1	3Y	65	PHE	CD2-CE2	27.06	2.19	1.38
1	4A	65	PHE	CD2-CE2	27.06	2.19	1.38
1	4M	65	PHE	CD2-CE2	27.06	2.19	1.38
1	4U	65	PHE	CD2-CE2	27.06	2.19	1.38
1	5E	65	PHE	CD2-CE2	27.06	2.19	1.38
1	5I	65	PHE	CD2-CE2	27.06	2.19	1.38
1	5M	65	PHE	CD2-CE2	27.06	2.19	1.38
1	5Q	65	PHE	CD2-CE2	27.06	2.19	1.38
1	6I	65	PHE	CD2-CE2	27.06	2.19	1.38
1	6Q	65	PHE	CD2-CE2	27.06	2.19	1.38
1	62	65	PHE	CD2-CE2	27.06	2.19	1.38
1	66	65	PHE	CD2-CE2	27.06	2.19	1.38
1	7A	65	PHE	CD2-CE2	27.06	2.19	1.38
1	7M	65	PHE	CD2-CE2	27.06	2.19	1.38
2	13	60	ARG	N-CA	-27.06	1.11	1.46
2	17	60	ARG	N-CA	-27.06	1.11	1.46
2	2B	60	ARG	N-CA	-27.06	1.11	1.46
2	3R	60	ARG	N-CA	-27.06	1.11	1.46
2	3V	60	ARG	N-CA	-27.06	1.11	1.46
2	3Z	60	ARG	N-CA	-27.06	1.11	1.46
2	5F	60	ARG	N-CA	-27.06	1.11	1.46
2	5J	60	ARG	N-CA	-27.06	1.11	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	60	ARG	N-CA	-27.06	1.11	1.46
2	63	60	ARG	N-CA	-27.06	1.11	1.46
2	67	60	ARG	N-CA	-27.06	1.11	1.46
2	7B	60	ARG	N-CA	-27.06	1.11	1.46
2	1B	60	ARG	N-CA	-27.06	1.11	1.46
2	1J	60	ARG	N-CA	-27.06	1.11	1.46
2	2F	60	ARG	N-CA	-27.06	1.11	1.46
2	27	60	ARG	N-CA	-27.06	1.11	1.46
2	3F	60	ARG	N-CA	-27.06	1.11	1.46
2	4B	60	ARG	N-CA	-27.06	1.11	1.46
2	4N	60	ARG	N-CA	-27.06	1.11	1.46
2	4V	60	ARG	N-CA	-27.06	1.11	1.46
2	5R	60	ARG	N-CA	-27.06	1.11	1.46
2	6J	60	ARG	N-CA	-27.06	1.11	1.46
2	6R	60	ARG	N-CA	-27.06	1.11	1.46
2	7N	60	ARG	N-CA	-27.06	1.11	1.46
1	1Q	65	PHE	CD2-CE2	27.05	2.19	1.38
1	1U	65	PHE	CD2-CE2	27.05	2.19	1.38
1	1Y	65	PHE	CD2-CE2	27.05	2.19	1.38
1	2Q	65	PHE	CD2-CE2	27.05	2.19	1.38
1	2U	65	PHE	CD2-CE2	27.05	2.19	1.38
1	2Y	65	PHE	CD2-CE2	27.05	2.19	1.38
1	42	65	PHE	CD2-CE2	27.05	2.19	1.38
1	46	65	PHE	CD2-CE2	27.05	2.19	1.38
1	5A	65	PHE	CD2-CE2	27.05	2.19	1.38
1	52	65	PHE	CD2-CE2	27.05	2.19	1.38
1	56	65	PHE	CD2-CE2	27.05	2.19	1.38
1	6A	65	PHE	CD2-CE2	27.05	2.19	1.38
1	1M	65	PHE	CD2-CE2	27.04	2.19	1.38
1	2I	65	PHE	CD2-CE2	27.04	2.19	1.38
1	3A	65	PHE	CD2-CE2	27.04	2.19	1.38
1	3I	65	PHE	CD2-CE2	27.04	2.19	1.38
1	32	65	PHE	CD2-CE2	27.04	2.19	1.38
1	4E	65	PHE	CD2-CE2	27.04	2.19	1.38
1	4Y	65	PHE	CD2-CE2	27.04	2.19	1.38
1	5U	65	PHE	CD2-CE2	27.04	2.19	1.38
1	6M	65	PHE	CD2-CE2	27.04	2.19	1.38
1	6U	65	PHE	CD2-CE2	27.04	2.19	1.38
1	7E	65	PHE	CD2-CE2	27.04	2.19	1.38
1	7Q	65	PHE	CD2-CE2	27.04	2.19	1.38
2	1N	60	ARG	N-CA	-27.03	1.11	1.46
2	2J	60	ARG	N-CA	-27.03	1.11	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	60	ARG	N-CA	-27.03	1.11	1.46
2	3J	60	ARG	N-CA	-27.03	1.11	1.46
2	33	60	ARG	N-CA	-27.03	1.11	1.46
2	4F	60	ARG	N-CA	-27.03	1.11	1.46
2	4Z	60	ARG	N-CA	-27.03	1.11	1.46
2	5V	60	ARG	N-CA	-27.03	1.11	1.46
2	6N	60	ARG	N-CA	-27.03	1.11	1.46
2	6V	60	ARG	N-CA	-27.03	1.11	1.46
2	7F	60	ARG	N-CA	-27.03	1.11	1.46
2	7R	60	ARG	N-CA	-27.03	1.11	1.46
2	1F	7	ASN	C-N	-27.02	0.96	1.33
2	2N	7	ASN	C-N	-27.02	0.96	1.33
2	23	7	ASN	C-N	-27.02	0.96	1.33
2	3N	7	ASN	C-N	-27.02	0.96	1.33
2	37	7	ASN	C-N	-27.02	0.96	1.33
2	4J	7	ASN	C-N	-27.02	0.96	1.33
2	4R	7	ASN	C-N	-27.02	0.96	1.33
2	5Z	7	ASN	C-N	-27.02	0.96	1.33
2	6F	7	ASN	C-N	-27.02	0.96	1.33
2	6Z	7	ASN	C-N	-27.02	0.96	1.33
2	7J	7	ASN	C-N	-27.02	0.96	1.33
2	7V	7	ASN	C-N	-27.02	0.96	1.33
2	1R	60	ARG	N-CA	-27.02	1.11	1.46
2	1V	60	ARG	N-CA	-27.02	1.11	1.46
2	1Z	60	ARG	N-CA	-27.02	1.11	1.46
2	2R	60	ARG	N-CA	-27.02	1.11	1.46
2	2V	60	ARG	N-CA	-27.02	1.11	1.46
2	2Z	60	ARG	N-CA	-27.02	1.11	1.46
2	43	60	ARG	N-CA	-27.02	1.11	1.46
2	47	60	ARG	N-CA	-27.02	1.11	1.46
2	5B	60	ARG	N-CA	-27.02	1.11	1.46
2	53	60	ARG	N-CA	-27.02	1.11	1.46
2	57	60	ARG	N-CA	-27.02	1.11	1.46
2	6B	60	ARG	N-CA	-27.02	1.11	1.46
2	1N	7	ASN	C-N	-27.00	0.96	1.33
2	2J	7	ASN	C-N	-27.00	0.96	1.33
2	3B	7	ASN	C-N	-27.00	0.96	1.33
2	3J	7	ASN	C-N	-27.00	0.96	1.33
2	33	7	ASN	C-N	-27.00	0.96	1.33
2	4F	7	ASN	C-N	-27.00	0.96	1.33
2	4Z	7	ASN	C-N	-27.00	0.96	1.33
2	5V	7	ASN	C-N	-27.00	0.96	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	7	ASN	C-N	-27.00	0.96	1.33
2	6V	7	ASN	C-N	-27.00	0.96	1.33
2	7F	7	ASN	C-N	-27.00	0.96	1.33
2	7R	7	ASN	C-N	-27.00	0.96	1.33
2	1B	7	ASN	C-N	-27.00	0.96	1.33
2	1J	7	ASN	C-N	-27.00	0.96	1.33
2	2F	7	ASN	C-N	-27.00	0.96	1.33
2	27	7	ASN	C-N	-27.00	0.96	1.33
2	3F	7	ASN	C-N	-27.00	0.96	1.33
2	4B	7	ASN	C-N	-27.00	0.96	1.33
2	4N	7	ASN	C-N	-27.00	0.96	1.33
2	4V	7	ASN	C-N	-27.00	0.96	1.33
2	5R	7	ASN	C-N	-27.00	0.96	1.33
2	6J	7	ASN	C-N	-27.00	0.96	1.33
2	6R	7	ASN	C-N	-27.00	0.96	1.33
2	7N	7	ASN	C-N	-27.00	0.96	1.33
1	1E	24	VAL	N-CA	26.99	1.80	1.46
1	2M	24	VAL	N-CA	26.99	1.80	1.46
1	22	24	VAL	N-CA	26.99	1.80	1.46
1	3M	24	VAL	N-CA	26.99	1.80	1.46
1	36	24	VAL	N-CA	26.99	1.80	1.46
1	4I	24	VAL	N-CA	26.99	1.80	1.46
1	4Q	24	VAL	N-CA	26.99	1.80	1.46
1	5Y	24	VAL	N-CA	26.99	1.80	1.46
1	6E	24	VAL	N-CA	26.99	1.80	1.46
1	6Y	24	VAL	N-CA	26.99	1.80	1.46
1	7I	24	VAL	N-CA	26.99	1.80	1.46
1	7U	24	VAL	N-CA	26.99	1.80	1.46
2	13	7	ASN	C-N	-26.98	0.96	1.33
2	17	7	ASN	C-N	-26.98	0.96	1.33
2	2B	7	ASN	C-N	-26.98	0.96	1.33
2	3R	7	ASN	C-N	-26.98	0.96	1.33
2	3V	7	ASN	C-N	-26.98	0.96	1.33
2	3Z	7	ASN	C-N	-26.98	0.96	1.33
2	5F	7	ASN	C-N	-26.98	0.96	1.33
2	5J	7	ASN	C-N	-26.98	0.96	1.33
2	5N	7	ASN	C-N	-26.98	0.96	1.33
2	63	7	ASN	C-N	-26.98	0.96	1.33
2	67	7	ASN	C-N	-26.98	0.96	1.33
2	7B	7	ASN	C-N	-26.98	0.96	1.33
2	1R	7	ASN	C-N	-26.97	0.96	1.33
2	1V	7	ASN	C-N	-26.97	0.96	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	7	ASN	C-N	-26.97	0.96	1.33
2	2R	7	ASN	C-N	-26.97	0.96	1.33
2	2V	7	ASN	C-N	-26.97	0.96	1.33
2	2Z	7	ASN	C-N	-26.97	0.96	1.33
2	43	7	ASN	C-N	-26.97	0.96	1.33
2	47	7	ASN	C-N	-26.97	0.96	1.33
2	5B	7	ASN	C-N	-26.97	0.96	1.33
2	53	7	ASN	C-N	-26.97	0.96	1.33
2	57	7	ASN	C-N	-26.97	0.96	1.33
2	6B	7	ASN	C-N	-26.97	0.96	1.33
1	12	24	VAL	N-CA	26.96	1.80	1.46
1	16	24	VAL	N-CA	26.96	1.80	1.46
1	2A	24	VAL	N-CA	26.96	1.80	1.46
1	3Q	24	VAL	N-CA	26.96	1.80	1.46
1	3U	24	VAL	N-CA	26.96	1.80	1.46
1	3Y	24	VAL	N-CA	26.96	1.80	1.46
1	5E	24	VAL	N-CA	26.96	1.80	1.46
1	5I	24	VAL	N-CA	26.96	1.80	1.46
1	5M	24	VAL	N-CA	26.96	1.80	1.46
1	62	24	VAL	N-CA	26.96	1.80	1.46
1	66	24	VAL	N-CA	26.96	1.80	1.46
1	7A	24	VAL	N-CA	26.96	1.80	1.46
2	1B	21	THR	N-CA	26.96	1.78	1.45
2	1J	21	THR	N-CA	26.96	1.78	1.45
2	2F	21	THR	N-CA	26.96	1.78	1.45
2	27	21	THR	N-CA	26.96	1.78	1.45
2	3F	21	THR	N-CA	26.96	1.78	1.45
2	4B	21	THR	N-CA	26.96	1.78	1.45
2	4N	21	THR	N-CA	26.96	1.78	1.45
2	4V	21	THR	N-CA	26.96	1.78	1.45
2	5R	21	THR	N-CA	26.96	1.78	1.45
2	6J	21	THR	N-CA	26.96	1.78	1.45
2	6R	21	THR	N-CA	26.96	1.78	1.45
2	7N	21	THR	N-CA	26.96	1.78	1.45
1	1M	24	VAL	N-CA	26.96	1.80	1.46
1	2I	24	VAL	N-CA	26.96	1.80	1.46
1	3A	24	VAL	N-CA	26.96	1.80	1.46
1	3I	24	VAL	N-CA	26.96	1.80	1.46
1	32	24	VAL	N-CA	26.96	1.80	1.46
1	4E	24	VAL	N-CA	26.96	1.80	1.46
1	4Y	24	VAL	N-CA	26.96	1.80	1.46
1	5U	24	VAL	N-CA	26.96	1.80	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	24	VAL	N-CA	26.96	1.80	1.46
1	6U	24	VAL	N-CA	26.96	1.80	1.46
1	7E	24	VAL	N-CA	26.96	1.80	1.46
1	7Q	24	VAL	N-CA	26.96	1.80	1.46
2	1R	21	THR	N-CA	26.96	1.78	1.45
2	1V	21	THR	N-CA	26.96	1.78	1.45
2	1Z	21	THR	N-CA	26.96	1.78	1.45
2	2R	21	THR	N-CA	26.96	1.78	1.45
2	2V	21	THR	N-CA	26.96	1.78	1.45
2	2Z	21	THR	N-CA	26.96	1.78	1.45
2	43	21	THR	N-CA	26.96	1.78	1.45
2	47	21	THR	N-CA	26.96	1.78	1.45
2	5B	21	THR	N-CA	26.96	1.78	1.45
2	53	21	THR	N-CA	26.96	1.78	1.45
2	57	21	THR	N-CA	26.96	1.78	1.45
2	6B	21	THR	N-CA	26.96	1.78	1.45
1	1A	24	VAL	N-CA	26.95	1.80	1.46
1	1I	24	VAL	N-CA	26.95	1.80	1.46
1	2E	24	VAL	N-CA	26.95	1.80	1.46
1	26	24	VAL	N-CA	26.95	1.80	1.46
1	3E	24	VAL	N-CA	26.95	1.80	1.46
1	4A	24	VAL	N-CA	26.95	1.80	1.46
1	4M	24	VAL	N-CA	26.95	1.80	1.46
1	4U	24	VAL	N-CA	26.95	1.80	1.46
1	5Q	24	VAL	N-CA	26.95	1.80	1.46
1	6I	24	VAL	N-CA	26.95	1.80	1.46
1	6Q	24	VAL	N-CA	26.95	1.80	1.46
1	7M	24	VAL	N-CA	26.95	1.80	1.46
2	1N	21	THR	N-CA	26.94	1.78	1.45
2	2J	21	THR	N-CA	26.94	1.78	1.45
2	3B	21	THR	N-CA	26.94	1.78	1.45
2	3J	21	THR	N-CA	26.94	1.78	1.45
2	33	21	THR	N-CA	26.94	1.78	1.45
2	4F	21	THR	N-CA	26.94	1.78	1.45
2	4Z	21	THR	N-CA	26.94	1.78	1.45
2	5V	21	THR	N-CA	26.94	1.78	1.45
2	6N	21	THR	N-CA	26.94	1.78	1.45
2	6V	21	THR	N-CA	26.94	1.78	1.45
2	7F	21	THR	N-CA	26.94	1.78	1.45
2	7R	21	THR	N-CA	26.94	1.78	1.45
1	1Q	24	VAL	N-CA	26.93	1.80	1.46
1	1U	24	VAL	N-CA	26.93	1.80	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	24	VAL	N-CA	26.93	1.80	1.46
1	2Q	24	VAL	N-CA	26.93	1.80	1.46
1	2U	24	VAL	N-CA	26.93	1.80	1.46
1	2Y	24	VAL	N-CA	26.93	1.80	1.46
1	42	24	VAL	N-CA	26.93	1.80	1.46
1	46	24	VAL	N-CA	26.93	1.80	1.46
1	5A	24	VAL	N-CA	26.93	1.80	1.46
1	52	24	VAL	N-CA	26.93	1.80	1.46
1	56	24	VAL	N-CA	26.93	1.80	1.46
1	6A	24	VAL	N-CA	26.93	1.80	1.46
2	13	21	THR	N-CA	26.92	1.78	1.45
2	17	21	THR	N-CA	26.92	1.78	1.45
2	2B	21	THR	N-CA	26.92	1.78	1.45
2	3R	21	THR	N-CA	26.92	1.78	1.45
2	3V	21	THR	N-CA	26.92	1.78	1.45
2	3Z	21	THR	N-CA	26.92	1.78	1.45
2	5F	21	THR	N-CA	26.92	1.78	1.45
2	5J	21	THR	N-CA	26.92	1.78	1.45
2	5N	21	THR	N-CA	26.92	1.78	1.45
2	63	21	THR	N-CA	26.92	1.78	1.45
2	67	21	THR	N-CA	26.92	1.78	1.45
2	7B	21	THR	N-CA	26.92	1.78	1.45
2	1F	21	THR	N-CA	26.90	1.78	1.45
2	2N	21	THR	N-CA	26.90	1.78	1.45
2	23	21	THR	N-CA	26.90	1.78	1.45
2	3N	21	THR	N-CA	26.90	1.78	1.45
2	37	21	THR	N-CA	26.90	1.78	1.45
2	4J	21	THR	N-CA	26.90	1.78	1.45
2	4R	21	THR	N-CA	26.90	1.78	1.45
2	5Z	21	THR	N-CA	26.90	1.78	1.45
2	6F	21	THR	N-CA	26.90	1.78	1.45
2	6Z	21	THR	N-CA	26.90	1.78	1.45
2	7J	21	THR	N-CA	26.90	1.78	1.45
2	7V	21	THR	N-CA	26.90	1.78	1.45
2	1F	31	PHE	CE2-CZ	26.79	2.19	1.38
2	2N	31	PHE	CE2-CZ	26.79	2.19	1.38
2	23	31	PHE	CE2-CZ	26.79	2.19	1.38
2	3N	31	PHE	CE2-CZ	26.79	2.19	1.38
2	37	31	PHE	CE2-CZ	26.79	2.19	1.38
2	4J	31	PHE	CE2-CZ	26.79	2.19	1.38
2	4R	31	PHE	CE2-CZ	26.79	2.19	1.38
2	5Z	31	PHE	CE2-CZ	26.79	2.19	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	31	PHE	CE2-CZ	26.79	2.19	1.38
2	6Z	31	PHE	CE2-CZ	26.79	2.19	1.38
2	7J	31	PHE	CE2-CZ	26.79	2.19	1.38
2	7V	31	PHE	CE2-CZ	26.79	2.19	1.38
2	1B	31	PHE	CE2-CZ	26.78	2.19	1.38
2	1J	31	PHE	CE2-CZ	26.78	2.19	1.38
2	2F	31	PHE	CE2-CZ	26.78	2.19	1.38
2	27	31	PHE	CE2-CZ	26.78	2.19	1.38
2	3F	31	PHE	CE2-CZ	26.78	2.19	1.38
2	4B	31	PHE	CE2-CZ	26.78	2.19	1.38
2	4N	31	PHE	CE2-CZ	26.78	2.19	1.38
2	4V	31	PHE	CE2-CZ	26.78	2.19	1.38
2	5R	31	PHE	CE2-CZ	26.78	2.19	1.38
2	6J	31	PHE	CE2-CZ	26.78	2.19	1.38
2	6R	31	PHE	CE2-CZ	26.78	2.19	1.38
2	7N	31	PHE	CE2-CZ	26.78	2.19	1.38
2	13	31	PHE	CE2-CZ	26.77	2.19	1.38
2	17	31	PHE	CE2-CZ	26.77	2.19	1.38
2	2B	31	PHE	CE2-CZ	26.77	2.19	1.38
2	3R	31	PHE	CE2-CZ	26.77	2.19	1.38
2	3V	31	PHE	CE2-CZ	26.77	2.19	1.38
2	3Z	31	PHE	CE2-CZ	26.77	2.19	1.38
2	5F	31	PHE	CE2-CZ	26.77	2.19	1.38
2	5J	31	PHE	CE2-CZ	26.77	2.19	1.38
2	5N	31	PHE	CE2-CZ	26.77	2.19	1.38
2	63	31	PHE	CE2-CZ	26.77	2.19	1.38
2	67	31	PHE	CE2-CZ	26.77	2.19	1.38
2	7B	31	PHE	CE2-CZ	26.77	2.19	1.38
2	1N	31	PHE	CE2-CZ	26.77	2.19	1.38
2	2J	31	PHE	CE2-CZ	26.77	2.19	1.38
2	3B	31	PHE	CE2-CZ	26.77	2.19	1.38
2	3J	31	PHE	CE2-CZ	26.77	2.19	1.38
2	33	31	PHE	CE2-CZ	26.77	2.19	1.38
2	4F	31	PHE	CE2-CZ	26.77	2.19	1.38
2	4Z	31	PHE	CE2-CZ	26.77	2.19	1.38
2	5V	31	PHE	CE2-CZ	26.77	2.19	1.38
2	6N	31	PHE	CE2-CZ	26.77	2.19	1.38
2	6V	31	PHE	CE2-CZ	26.77	2.19	1.38
2	7F	31	PHE	CE2-CZ	26.77	2.19	1.38
2	7R	31	PHE	CE2-CZ	26.77	2.19	1.38
2	1R	31	PHE	CE2-CZ	26.76	2.19	1.38
2	1V	31	PHE	CE2-CZ	26.76	2.19	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	31	PHE	CE2-CZ	26.76	2.19	1.38
2	2R	31	PHE	CE2-CZ	26.76	2.19	1.38
2	2V	31	PHE	CE2-CZ	26.76	2.19	1.38
2	2Z	31	PHE	CE2-CZ	26.76	2.19	1.38
2	43	31	PHE	CE2-CZ	26.76	2.19	1.38
2	47	31	PHE	CE2-CZ	26.76	2.19	1.38
2	5B	31	PHE	CE2-CZ	26.76	2.19	1.38
2	53	31	PHE	CE2-CZ	26.76	2.19	1.38
2	57	31	PHE	CE2-CZ	26.76	2.19	1.38
2	6B	31	PHE	CE2-CZ	26.76	2.19	1.38
2	13	46	TYR	CA-CB	26.68	1.94	1.53
2	17	46	TYR	CA-CB	26.68	1.94	1.53
2	2B	46	TYR	CA-CB	26.68	1.94	1.53
2	3R	46	TYR	CA-CB	26.68	1.94	1.53
2	3V	46	TYR	CA-CB	26.68	1.94	1.53
2	3Z	46	TYR	CA-CB	26.68	1.94	1.53
2	5F	46	TYR	CA-CB	26.68	1.94	1.53
2	5J	46	TYR	CA-CB	26.68	1.94	1.53
2	5N	46	TYR	CA-CB	26.68	1.94	1.53
2	63	46	TYR	CA-CB	26.68	1.94	1.53
2	67	46	TYR	CA-CB	26.68	1.94	1.53
2	7B	46	TYR	CA-CB	26.68	1.94	1.53
1	1M	145	LEU	N-CA	-26.66	1.11	1.46
1	1Q	145	LEU	N-CA	-26.66	1.11	1.46
1	1U	145	LEU	N-CA	-26.66	1.11	1.46
1	1Y	145	LEU	N-CA	-26.66	1.11	1.46
1	2I	145	LEU	N-CA	-26.66	1.11	1.46
1	2Q	145	LEU	N-CA	-26.66	1.11	1.46
1	2U	145	LEU	N-CA	-26.66	1.11	1.46
1	2Y	145	LEU	N-CA	-26.66	1.11	1.46
1	3A	145	LEU	N-CA	-26.66	1.11	1.46
1	3I	145	LEU	N-CA	-26.66	1.11	1.46
1	32	145	LEU	N-CA	-26.66	1.11	1.46
1	4E	145	LEU	N-CA	-26.66	1.11	1.46
1	4Y	145	LEU	N-CA	-26.66	1.11	1.46
1	42	145	LEU	N-CA	-26.66	1.11	1.46
1	46	145	LEU	N-CA	-26.66	1.11	1.46
1	5A	145	LEU	N-CA	-26.66	1.11	1.46
1	5U	145	LEU	N-CA	-26.66	1.11	1.46
1	52	145	LEU	N-CA	-26.66	1.11	1.46
1	56	145	LEU	N-CA	-26.66	1.11	1.46
1	6A	145	LEU	N-CA	-26.66	1.11	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	145	LEU	N-CA	-26.66	1.11	1.46
1	6U	145	LEU	N-CA	-26.66	1.11	1.46
1	7E	145	LEU	N-CA	-26.66	1.11	1.46
1	7Q	145	LEU	N-CA	-26.66	1.11	1.46
1	1A	145	LEU	N-CA	-26.66	1.11	1.46
1	1I	145	LEU	N-CA	-26.66	1.11	1.46
1	12	145	LEU	N-CA	-26.66	1.11	1.46
1	16	145	LEU	N-CA	-26.66	1.11	1.46
1	2A	145	LEU	N-CA	-26.66	1.11	1.46
1	2E	145	LEU	N-CA	-26.66	1.11	1.46
1	26	145	LEU	N-CA	-26.66	1.11	1.46
1	3E	145	LEU	N-CA	-26.66	1.11	1.46
1	3Q	145	LEU	N-CA	-26.66	1.11	1.46
1	3U	145	LEU	N-CA	-26.66	1.11	1.46
1	3Y	145	LEU	N-CA	-26.66	1.11	1.46
1	4A	145	LEU	N-CA	-26.66	1.11	1.46
1	4M	145	LEU	N-CA	-26.66	1.11	1.46
1	4U	145	LEU	N-CA	-26.66	1.11	1.46
1	5E	145	LEU	N-CA	-26.66	1.11	1.46
1	5I	145	LEU	N-CA	-26.66	1.11	1.46
1	5M	145	LEU	N-CA	-26.66	1.11	1.46
1	5Q	145	LEU	N-CA	-26.66	1.11	1.46
1	6I	145	LEU	N-CA	-26.66	1.11	1.46
1	6Q	145	LEU	N-CA	-26.66	1.11	1.46
1	62	145	LEU	N-CA	-26.66	1.11	1.46
1	66	145	LEU	N-CA	-26.66	1.11	1.46
1	7A	145	LEU	N-CA	-26.66	1.11	1.46
1	7M	145	LEU	N-CA	-26.66	1.11	1.46
2	1R	46	TYR	CA-CB	26.65	1.94	1.53
2	1V	46	TYR	CA-CB	26.65	1.94	1.53
2	1Z	46	TYR	CA-CB	26.65	1.94	1.53
2	2R	46	TYR	CA-CB	26.65	1.94	1.53
2	2V	46	TYR	CA-CB	26.65	1.94	1.53
2	2Z	46	TYR	CA-CB	26.65	1.94	1.53
2	43	46	TYR	CA-CB	26.65	1.94	1.53
2	47	46	TYR	CA-CB	26.65	1.94	1.53
2	5B	46	TYR	CA-CB	26.65	1.94	1.53
2	53	46	TYR	CA-CB	26.65	1.94	1.53
2	57	46	TYR	CA-CB	26.65	1.94	1.53
2	6B	46	TYR	CA-CB	26.65	1.94	1.53
1	1E	145	LEU	N-CA	-26.65	1.11	1.46
1	2M	145	LEU	N-CA	-26.65	1.11	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	145	LEU	N-CA	-26.65	1.11	1.46
1	3M	145	LEU	N-CA	-26.65	1.11	1.46
1	36	145	LEU	N-CA	-26.65	1.11	1.46
1	4I	145	LEU	N-CA	-26.65	1.11	1.46
1	4Q	145	LEU	N-CA	-26.65	1.11	1.46
1	5Y	145	LEU	N-CA	-26.65	1.11	1.46
1	6E	145	LEU	N-CA	-26.65	1.11	1.46
1	6Y	145	LEU	N-CA	-26.65	1.11	1.46
1	7I	145	LEU	N-CA	-26.65	1.11	1.46
1	7U	145	LEU	N-CA	-26.65	1.11	1.46
2	1B	46	TYR	CA-CB	26.64	1.94	1.53
2	1J	46	TYR	CA-CB	26.64	1.94	1.53
2	2F	46	TYR	CA-CB	26.64	1.94	1.53
2	27	46	TYR	CA-CB	26.64	1.94	1.53
2	3F	46	TYR	CA-CB	26.64	1.94	1.53
2	4B	46	TYR	CA-CB	26.64	1.94	1.53
2	4N	46	TYR	CA-CB	26.64	1.94	1.53
2	4V	46	TYR	CA-CB	26.64	1.94	1.53
2	5R	46	TYR	CA-CB	26.64	1.94	1.53
2	6J	46	TYR	CA-CB	26.64	1.94	1.53
2	6R	46	TYR	CA-CB	26.64	1.94	1.53
2	7N	46	TYR	CA-CB	26.64	1.94	1.53
1	1M	79	THR	CB-OG1	-26.64	1.01	1.43
2	1N	46	TYR	CA-CB	26.64	1.94	1.53
1	2I	79	THR	CB-OG1	-26.64	1.01	1.43
2	2J	46	TYR	CA-CB	26.64	1.94	1.53
1	3A	79	THR	CB-OG1	-26.64	1.01	1.43
2	3B	46	TYR	CA-CB	26.64	1.94	1.53
1	3I	79	THR	CB-OG1	-26.64	1.01	1.43
2	3J	46	TYR	CA-CB	26.64	1.94	1.53
1	32	79	THR	CB-OG1	-26.64	1.01	1.43
2	33	46	TYR	CA-CB	26.64	1.94	1.53
1	4E	79	THR	CB-OG1	-26.64	1.01	1.43
2	4F	46	TYR	CA-CB	26.64	1.94	1.53
1	4Y	79	THR	CB-OG1	-26.64	1.01	1.43
2	4Z	46	TYR	CA-CB	26.64	1.94	1.53
1	5U	79	THR	CB-OG1	-26.64	1.01	1.43
2	5V	46	TYR	CA-CB	26.64	1.94	1.53
1	6M	79	THR	CB-OG1	-26.64	1.01	1.43
2	6N	46	TYR	CA-CB	26.64	1.94	1.53
1	6U	79	THR	CB-OG1	-26.64	1.01	1.43
2	6V	46	TYR	CA-CB	26.64	1.94	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7E	79	THR	CB-OG1	-26.64	1.01	1.43
2	7F	46	TYR	CA-CB	26.64	1.94	1.53
1	7Q	79	THR	CB-OG1	-26.64	1.01	1.43
2	7R	46	TYR	CA-CB	26.64	1.94	1.53
2	1F	46	TYR	CA-CB	26.64	1.94	1.53
2	2N	46	TYR	CA-CB	26.64	1.94	1.53
2	23	46	TYR	CA-CB	26.64	1.94	1.53
2	3N	46	TYR	CA-CB	26.64	1.94	1.53
2	37	46	TYR	CA-CB	26.64	1.94	1.53
2	4J	46	TYR	CA-CB	26.64	1.94	1.53
2	4R	46	TYR	CA-CB	26.64	1.94	1.53
2	5Z	46	TYR	CA-CB	26.64	1.94	1.53
2	6F	46	TYR	CA-CB	26.64	1.94	1.53
2	6Z	46	TYR	CA-CB	26.64	1.94	1.53
2	7J	46	TYR	CA-CB	26.64	1.94	1.53
2	7V	46	TYR	CA-CB	26.64	1.94	1.53
1	12	79	THR	CB-OG1	-26.62	1.01	1.43
1	16	79	THR	CB-OG1	-26.62	1.01	1.43
1	2A	79	THR	CB-OG1	-26.62	1.01	1.43
1	3Q	79	THR	CB-OG1	-26.62	1.01	1.43
1	3U	79	THR	CB-OG1	-26.62	1.01	1.43
1	3Y	79	THR	CB-OG1	-26.62	1.01	1.43
1	5E	79	THR	CB-OG1	-26.62	1.01	1.43
1	5I	79	THR	CB-OG1	-26.62	1.01	1.43
1	5M	79	THR	CB-OG1	-26.62	1.01	1.43
1	62	79	THR	CB-OG1	-26.62	1.01	1.43
1	66	79	THR	CB-OG1	-26.62	1.01	1.43
1	7A	79	THR	CB-OG1	-26.62	1.01	1.43
1	1Q	79	THR	CB-OG1	-26.62	1.01	1.43
1	1U	79	THR	CB-OG1	-26.62	1.01	1.43
1	1Y	79	THR	CB-OG1	-26.62	1.01	1.43
1	2Q	79	THR	CB-OG1	-26.62	1.01	1.43
1	2U	79	THR	CB-OG1	-26.62	1.01	1.43
1	2Y	79	THR	CB-OG1	-26.62	1.01	1.43
1	42	79	THR	CB-OG1	-26.62	1.01	1.43
1	46	79	THR	CB-OG1	-26.62	1.01	1.43
1	5A	79	THR	CB-OG1	-26.62	1.01	1.43
1	52	79	THR	CB-OG1	-26.62	1.01	1.43
1	56	79	THR	CB-OG1	-26.62	1.01	1.43
1	6A	79	THR	CB-OG1	-26.62	1.01	1.43
1	1E	79	THR	CB-OG1	-26.61	1.01	1.43
1	2M	79	THR	CB-OG1	-26.61	1.01	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	79	THR	CB-OG1	-26.61	1.01	1.43
1	3M	79	THR	CB-OG1	-26.61	1.01	1.43
1	36	79	THR	CB-OG1	-26.61	1.01	1.43
1	4I	79	THR	CB-OG1	-26.61	1.01	1.43
1	4Q	79	THR	CB-OG1	-26.61	1.01	1.43
1	5Y	79	THR	CB-OG1	-26.61	1.01	1.43
1	6E	79	THR	CB-OG1	-26.61	1.01	1.43
1	6Y	79	THR	CB-OG1	-26.61	1.01	1.43
1	7I	79	THR	CB-OG1	-26.61	1.01	1.43
1	7U	79	THR	CB-OG1	-26.61	1.01	1.43
1	1A	79	THR	CB-OG1	-26.61	1.01	1.43
1	1I	79	THR	CB-OG1	-26.61	1.01	1.43
1	2E	79	THR	CB-OG1	-26.61	1.01	1.43
1	26	79	THR	CB-OG1	-26.61	1.01	1.43
1	3E	79	THR	CB-OG1	-26.61	1.01	1.43
1	4A	79	THR	CB-OG1	-26.61	1.01	1.43
1	4M	79	THR	CB-OG1	-26.61	1.01	1.43
1	4U	79	THR	CB-OG1	-26.61	1.01	1.43
1	5Q	79	THR	CB-OG1	-26.61	1.01	1.43
1	6I	79	THR	CB-OG1	-26.61	1.01	1.43
1	6Q	79	THR	CB-OG1	-26.61	1.01	1.43
1	7M	79	THR	CB-OG1	-26.61	1.01	1.43
1	1E	156	SER	CA-C	26.52	1.88	1.52
1	2M	156	SER	CA-C	26.52	1.88	1.52
1	22	156	SER	CA-C	26.52	1.88	1.52
1	3M	156	SER	CA-C	26.52	1.88	1.52
1	36	156	SER	CA-C	26.52	1.88	1.52
1	4I	156	SER	CA-C	26.52	1.88	1.52
1	4Q	156	SER	CA-C	26.52	1.88	1.52
1	5Y	156	SER	CA-C	26.52	1.88	1.52
1	6E	156	SER	CA-C	26.52	1.88	1.52
1	6Y	156	SER	CA-C	26.52	1.88	1.52
1	7I	156	SER	CA-C	26.52	1.88	1.52
1	7U	156	SER	CA-C	26.52	1.88	1.52
1	1M	156	SER	CA-C	26.52	1.88	1.52
1	2I	156	SER	CA-C	26.52	1.88	1.52
1	3A	156	SER	CA-C	26.52	1.88	1.52
1	3I	156	SER	CA-C	26.52	1.88	1.52
1	32	156	SER	CA-C	26.52	1.88	1.52
1	4E	156	SER	CA-C	26.52	1.88	1.52
1	4Y	156	SER	CA-C	26.52	1.88	1.52
1	5U	156	SER	CA-C	26.52	1.88	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	156	SER	CA-C	26.52	1.88	1.52
1	6U	156	SER	CA-C	26.52	1.88	1.52
1	7E	156	SER	CA-C	26.52	1.88	1.52
1	7Q	156	SER	CA-C	26.52	1.88	1.52
1	12	156	SER	CA-C	26.49	1.88	1.52
1	16	156	SER	CA-C	26.49	1.88	1.52
1	2A	156	SER	CA-C	26.49	1.88	1.52
1	3Q	156	SER	CA-C	26.49	1.88	1.52
1	3U	156	SER	CA-C	26.49	1.88	1.52
1	3Y	156	SER	CA-C	26.49	1.88	1.52
1	5E	156	SER	CA-C	26.49	1.88	1.52
1	5I	156	SER	CA-C	26.49	1.88	1.52
1	5M	156	SER	CA-C	26.49	1.88	1.52
1	62	156	SER	CA-C	26.49	1.88	1.52
1	66	156	SER	CA-C	26.49	1.88	1.52
1	7A	156	SER	CA-C	26.49	1.88	1.52
1	1E	144	VAL	C-N	26.48	1.70	1.33
1	2M	144	VAL	C-N	26.48	1.70	1.33
1	22	144	VAL	C-N	26.48	1.70	1.33
1	3M	144	VAL	C-N	26.48	1.70	1.33
1	36	144	VAL	C-N	26.48	1.70	1.33
1	4I	144	VAL	C-N	26.48	1.70	1.33
1	4Q	144	VAL	C-N	26.48	1.70	1.33
1	5Y	144	VAL	C-N	26.48	1.70	1.33
1	6E	144	VAL	C-N	26.48	1.70	1.33
1	6Y	144	VAL	C-N	26.48	1.70	1.33
1	7I	144	VAL	C-N	26.48	1.70	1.33
1	7U	144	VAL	C-N	26.48	1.70	1.33
1	1Q	144	VAL	C-N	26.48	1.70	1.33
1	1U	144	VAL	C-N	26.48	1.70	1.33
1	1Y	144	VAL	C-N	26.48	1.70	1.33
1	2Q	144	VAL	C-N	26.48	1.70	1.33
1	2U	144	VAL	C-N	26.48	1.70	1.33
1	2Y	144	VAL	C-N	26.48	1.70	1.33
1	42	144	VAL	C-N	26.48	1.70	1.33
1	46	144	VAL	C-N	26.48	1.70	1.33
1	5A	144	VAL	C-N	26.48	1.70	1.33
1	52	144	VAL	C-N	26.48	1.70	1.33
1	56	144	VAL	C-N	26.48	1.70	1.33
1	6A	144	VAL	C-N	26.48	1.70	1.33
1	1A	156	SER	CA-C	26.47	1.88	1.52
1	1I	156	SER	CA-C	26.47	1.88	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	156	SER	CA-C	26.47	1.88	1.52
1	26	156	SER	CA-C	26.47	1.88	1.52
1	3E	156	SER	CA-C	26.47	1.88	1.52
1	4A	156	SER	CA-C	26.47	1.88	1.52
1	4M	156	SER	CA-C	26.47	1.88	1.52
1	4U	156	SER	CA-C	26.47	1.88	1.52
1	5Q	156	SER	CA-C	26.47	1.88	1.52
1	6I	156	SER	CA-C	26.47	1.88	1.52
1	6Q	156	SER	CA-C	26.47	1.88	1.52
1	7M	156	SER	CA-C	26.47	1.88	1.52
1	1A	144	VAL	C-N	26.47	1.70	1.33
1	1I	144	VAL	C-N	26.47	1.70	1.33
1	2E	144	VAL	C-N	26.47	1.70	1.33
1	26	144	VAL	C-N	26.47	1.70	1.33
1	3E	144	VAL	C-N	26.47	1.70	1.33
1	4A	144	VAL	C-N	26.47	1.70	1.33
1	4M	144	VAL	C-N	26.47	1.70	1.33
1	4U	144	VAL	C-N	26.47	1.70	1.33
1	5Q	144	VAL	C-N	26.47	1.70	1.33
1	6I	144	VAL	C-N	26.47	1.70	1.33
1	6Q	144	VAL	C-N	26.47	1.70	1.33
1	7M	144	VAL	C-N	26.47	1.70	1.33
1	1Q	156	SER	CA-C	26.47	1.88	1.52
1	1U	156	SER	CA-C	26.47	1.88	1.52
1	1Y	156	SER	CA-C	26.47	1.88	1.52
1	2Q	156	SER	CA-C	26.47	1.88	1.52
1	2U	156	SER	CA-C	26.47	1.88	1.52
1	2Y	156	SER	CA-C	26.47	1.88	1.52
1	42	156	SER	CA-C	26.47	1.88	1.52
1	46	156	SER	CA-C	26.47	1.88	1.52
1	5A	156	SER	CA-C	26.47	1.88	1.52
1	52	156	SER	CA-C	26.47	1.88	1.52
1	56	156	SER	CA-C	26.47	1.88	1.52
1	6A	156	SER	CA-C	26.47	1.88	1.52
1	1M	144	VAL	C-N	26.46	1.70	1.33
1	2I	144	VAL	C-N	26.46	1.70	1.33
1	3A	144	VAL	C-N	26.46	1.70	1.33
1	3I	144	VAL	C-N	26.46	1.70	1.33
1	32	144	VAL	C-N	26.46	1.70	1.33
1	4E	144	VAL	C-N	26.46	1.70	1.33
1	4Y	144	VAL	C-N	26.46	1.70	1.33
1	5U	144	VAL	C-N	26.46	1.70	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	144	VAL	C-N	26.46	1.70	1.33
1	6U	144	VAL	C-N	26.46	1.70	1.33
1	7E	144	VAL	C-N	26.46	1.70	1.33
1	7Q	144	VAL	C-N	26.46	1.70	1.33
1	12	144	VAL	C-N	26.43	1.70	1.33
1	16	144	VAL	C-N	26.43	1.70	1.33
1	2A	144	VAL	C-N	26.43	1.70	1.33
1	3Q	144	VAL	C-N	26.43	1.70	1.33
1	3U	144	VAL	C-N	26.43	1.70	1.33
1	3Y	144	VAL	C-N	26.43	1.70	1.33
1	5E	144	VAL	C-N	26.43	1.70	1.33
1	5I	144	VAL	C-N	26.43	1.70	1.33
1	5M	144	VAL	C-N	26.43	1.70	1.33
1	62	144	VAL	C-N	26.43	1.70	1.33
1	66	144	VAL	C-N	26.43	1.70	1.33
1	7A	144	VAL	C-N	26.43	1.70	1.33
2	1F	32	SER	CA-CB	26.42	1.97	1.52
2	2N	32	SER	CA-CB	26.42	1.97	1.52
2	23	32	SER	CA-CB	26.42	1.97	1.52
2	3N	32	SER	CA-CB	26.42	1.97	1.52
2	37	32	SER	CA-CB	26.42	1.97	1.52
2	4J	32	SER	CA-CB	26.42	1.97	1.52
2	4R	32	SER	CA-CB	26.42	1.97	1.52
2	5Z	32	SER	CA-CB	26.42	1.97	1.52
2	6F	32	SER	CA-CB	26.42	1.97	1.52
2	6Z	32	SER	CA-CB	26.42	1.97	1.52
2	7J	32	SER	CA-CB	26.42	1.97	1.52
2	7V	32	SER	CA-CB	26.42	1.97	1.52
2	1N	32	SER	CA-CB	26.42	1.97	1.52
2	2J	32	SER	CA-CB	26.42	1.97	1.52
2	3B	32	SER	CA-CB	26.42	1.97	1.52
2	3J	32	SER	CA-CB	26.42	1.97	1.52
2	33	32	SER	CA-CB	26.42	1.97	1.52
2	4F	32	SER	CA-CB	26.42	1.97	1.52
2	4Z	32	SER	CA-CB	26.42	1.97	1.52
2	5V	32	SER	CA-CB	26.42	1.97	1.52
2	6N	32	SER	CA-CB	26.42	1.97	1.52
2	6V	32	SER	CA-CB	26.42	1.97	1.52
2	7F	32	SER	CA-CB	26.42	1.97	1.52
2	7R	32	SER	CA-CB	26.42	1.97	1.52
2	13	32	SER	CA-CB	26.42	1.97	1.52
2	17	32	SER	CA-CB	26.42	1.97	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	32	SER	CA-CB	26.42	1.97	1.52
2	3R	32	SER	CA-CB	26.42	1.97	1.52
2	3V	32	SER	CA-CB	26.42	1.97	1.52
2	3Z	32	SER	CA-CB	26.42	1.97	1.52
2	5F	32	SER	CA-CB	26.42	1.97	1.52
2	5J	32	SER	CA-CB	26.42	1.97	1.52
2	5N	32	SER	CA-CB	26.42	1.97	1.52
2	63	32	SER	CA-CB	26.42	1.97	1.52
2	67	32	SER	CA-CB	26.42	1.97	1.52
2	7B	32	SER	CA-CB	26.42	1.97	1.52
2	1R	32	SER	CA-CB	26.41	1.97	1.52
2	1V	32	SER	CA-CB	26.41	1.97	1.52
2	1Z	32	SER	CA-CB	26.41	1.97	1.52
2	2R	32	SER	CA-CB	26.41	1.97	1.52
2	2V	32	SER	CA-CB	26.41	1.97	1.52
2	2Z	32	SER	CA-CB	26.41	1.97	1.52
2	43	32	SER	CA-CB	26.41	1.97	1.52
2	47	32	SER	CA-CB	26.41	1.97	1.52
2	5B	32	SER	CA-CB	26.41	1.97	1.52
2	53	32	SER	CA-CB	26.41	1.97	1.52
2	57	32	SER	CA-CB	26.41	1.97	1.52
2	6B	32	SER	CA-CB	26.41	1.97	1.52
2	1R	108	HIS	C-O	26.38	1.57	1.24
2	1V	108	HIS	C-O	26.38	1.57	1.24
2	1Z	108	HIS	C-O	26.38	1.57	1.24
2	2R	108	HIS	C-O	26.38	1.57	1.24
2	2V	108	HIS	C-O	26.38	1.57	1.24
2	2Z	108	HIS	C-O	26.38	1.57	1.24
2	43	108	HIS	C-O	26.38	1.57	1.24
2	47	108	HIS	C-O	26.38	1.57	1.24
2	5B	108	HIS	C-O	26.38	1.57	1.24
2	53	108	HIS	C-O	26.38	1.57	1.24
2	57	108	HIS	C-O	26.38	1.57	1.24
2	6B	108	HIS	C-O	26.38	1.57	1.24
2	1B	32	SER	CA-CB	26.38	1.97	1.52
2	1J	32	SER	CA-CB	26.38	1.97	1.52
2	2F	32	SER	CA-CB	26.38	1.97	1.52
2	27	32	SER	CA-CB	26.38	1.97	1.52
2	3F	32	SER	CA-CB	26.38	1.97	1.52
2	4B	32	SER	CA-CB	26.38	1.97	1.52
2	4N	32	SER	CA-CB	26.38	1.97	1.52
2	4V	32	SER	CA-CB	26.38	1.97	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	32	SER	CA-CB	26.38	1.97	1.52
2	6J	32	SER	CA-CB	26.38	1.97	1.52
2	6R	32	SER	CA-CB	26.38	1.97	1.52
2	7N	32	SER	CA-CB	26.38	1.97	1.52
2	13	107	PHE	CA-C	-26.35	1.20	1.52
2	17	107	PHE	CA-C	-26.35	1.20	1.52
2	2B	107	PHE	CA-C	-26.35	1.20	1.52
2	3R	107	PHE	CA-C	-26.35	1.20	1.52
2	3V	107	PHE	CA-C	-26.35	1.20	1.52
2	3Z	107	PHE	CA-C	-26.35	1.20	1.52
2	5F	107	PHE	CA-C	-26.35	1.20	1.52
2	5J	107	PHE	CA-C	-26.35	1.20	1.52
2	5N	107	PHE	CA-C	-26.35	1.20	1.52
2	63	107	PHE	CA-C	-26.35	1.20	1.52
2	67	107	PHE	CA-C	-26.35	1.20	1.52
2	7B	107	PHE	CA-C	-26.35	1.20	1.52
2	13	108	HIS	C-O	26.34	1.57	1.24
2	17	108	HIS	C-O	26.34	1.57	1.24
2	2B	108	HIS	C-O	26.34	1.57	1.24
2	3R	108	HIS	C-O	26.34	1.57	1.24
2	3V	108	HIS	C-O	26.34	1.57	1.24
2	3Z	108	HIS	C-O	26.34	1.57	1.24
2	5F	108	HIS	C-O	26.34	1.57	1.24
2	5J	108	HIS	C-O	26.34	1.57	1.24
2	5N	108	HIS	C-O	26.34	1.57	1.24
2	63	108	HIS	C-O	26.34	1.57	1.24
2	67	108	HIS	C-O	26.34	1.57	1.24
2	7B	108	HIS	C-O	26.34	1.57	1.24
2	1F	224	VAL	C-O	26.33	1.52	1.24
2	2N	224	VAL	C-O	26.33	1.52	1.24
2	23	224	VAL	C-O	26.33	1.52	1.24
2	3N	224	VAL	C-O	26.33	1.52	1.24
2	37	224	VAL	C-O	26.33	1.52	1.24
2	4J	224	VAL	C-O	26.33	1.52	1.24
2	4R	224	VAL	C-O	26.33	1.52	1.24
2	5Z	224	VAL	C-O	26.33	1.52	1.24
2	6F	224	VAL	C-O	26.33	1.52	1.24
2	6Z	224	VAL	C-O	26.33	1.52	1.24
2	7J	224	VAL	C-O	26.33	1.52	1.24
2	7V	224	VAL	C-O	26.33	1.52	1.24
2	1F	107	PHE	CA-C	-26.32	1.20	1.52
2	2N	107	PHE	CA-C	-26.32	1.20	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	107	PHE	CA-C	-26.32	1.20	1.52
2	3N	107	PHE	CA-C	-26.32	1.20	1.52
2	37	107	PHE	CA-C	-26.32	1.20	1.52
2	4J	107	PHE	CA-C	-26.32	1.20	1.52
2	4R	107	PHE	CA-C	-26.32	1.20	1.52
2	5Z	107	PHE	CA-C	-26.32	1.20	1.52
2	6F	107	PHE	CA-C	-26.32	1.20	1.52
2	6Z	107	PHE	CA-C	-26.32	1.20	1.52
2	7J	107	PHE	CA-C	-26.32	1.20	1.52
2	7V	107	PHE	CA-C	-26.32	1.20	1.52
2	1B	108	HIS	C-O	26.32	1.57	1.24
2	1J	108	HIS	C-O	26.32	1.57	1.24
2	2F	108	HIS	C-O	26.32	1.57	1.24
2	27	108	HIS	C-O	26.32	1.57	1.24
2	3F	108	HIS	C-O	26.32	1.57	1.24
2	4B	108	HIS	C-O	26.32	1.57	1.24
2	4N	108	HIS	C-O	26.32	1.57	1.24
2	4V	108	HIS	C-O	26.32	1.57	1.24
2	5R	108	HIS	C-O	26.32	1.57	1.24
2	6J	108	HIS	C-O	26.32	1.57	1.24
2	6R	108	HIS	C-O	26.32	1.57	1.24
2	7N	108	HIS	C-O	26.32	1.57	1.24
2	1R	107	PHE	CA-C	-26.31	1.20	1.52
2	1V	107	PHE	CA-C	-26.31	1.20	1.52
2	1Z	107	PHE	CA-C	-26.31	1.20	1.52
2	2R	107	PHE	CA-C	-26.31	1.20	1.52
2	2V	107	PHE	CA-C	-26.31	1.20	1.52
2	2Z	107	PHE	CA-C	-26.31	1.20	1.52
2	43	107	PHE	CA-C	-26.31	1.20	1.52
2	47	107	PHE	CA-C	-26.31	1.20	1.52
2	5B	107	PHE	CA-C	-26.31	1.20	1.52
2	53	107	PHE	CA-C	-26.31	1.20	1.52
2	57	107	PHE	CA-C	-26.31	1.20	1.52
2	6B	107	PHE	CA-C	-26.31	1.20	1.52
2	1B	107	PHE	CA-C	-26.30	1.20	1.52
2	1J	107	PHE	CA-C	-26.30	1.20	1.52
2	2F	107	PHE	CA-C	-26.30	1.20	1.52
2	27	107	PHE	CA-C	-26.30	1.20	1.52
2	3F	107	PHE	CA-C	-26.30	1.20	1.52
2	4B	107	PHE	CA-C	-26.30	1.20	1.52
2	4N	107	PHE	CA-C	-26.30	1.20	1.52
2	4V	107	PHE	CA-C	-26.30	1.20	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	107	PHE	CA-C	-26.30	1.20	1.52
2	6J	107	PHE	CA-C	-26.30	1.20	1.52
2	6R	107	PHE	CA-C	-26.30	1.20	1.52
2	7N	107	PHE	CA-C	-26.30	1.20	1.52
2	1F	108	HIS	C-O	26.29	1.57	1.24
2	2N	108	HIS	C-O	26.29	1.57	1.24
2	23	108	HIS	C-O	26.29	1.57	1.24
2	3N	108	HIS	C-O	26.29	1.57	1.24
2	37	108	HIS	C-O	26.29	1.57	1.24
2	4J	108	HIS	C-O	26.29	1.57	1.24
2	4R	108	HIS	C-O	26.29	1.57	1.24
2	5Z	108	HIS	C-O	26.29	1.57	1.24
2	6F	108	HIS	C-O	26.29	1.57	1.24
2	6Z	108	HIS	C-O	26.29	1.57	1.24
2	7J	108	HIS	C-O	26.29	1.57	1.24
2	7V	108	HIS	C-O	26.29	1.57	1.24
1	1Q	90	PHE	CG-CD1	-26.29	0.83	1.38
1	1U	90	PHE	CG-CD1	-26.29	0.83	1.38
1	1Y	90	PHE	CG-CD1	-26.29	0.83	1.38
1	2Q	90	PHE	CG-CD1	-26.29	0.83	1.38
1	2U	90	PHE	CG-CD1	-26.29	0.83	1.38
1	2Y	90	PHE	CG-CD1	-26.29	0.83	1.38
1	42	90	PHE	CG-CD1	-26.29	0.83	1.38
1	46	90	PHE	CG-CD1	-26.29	0.83	1.38
1	5A	90	PHE	CG-CD1	-26.29	0.83	1.38
1	52	90	PHE	CG-CD1	-26.29	0.83	1.38
1	56	90	PHE	CG-CD1	-26.29	0.83	1.38
1	6A	90	PHE	CG-CD1	-26.29	0.83	1.38
2	1B	224	VAL	C-O	26.27	1.52	1.24
2	1J	224	VAL	C-O	26.27	1.52	1.24
2	2F	224	VAL	C-O	26.27	1.52	1.24
2	27	224	VAL	C-O	26.27	1.52	1.24
2	3F	224	VAL	C-O	26.27	1.52	1.24
2	4B	224	VAL	C-O	26.27	1.52	1.24
2	4N	224	VAL	C-O	26.27	1.52	1.24
2	4V	224	VAL	C-O	26.27	1.52	1.24
2	5R	224	VAL	C-O	26.27	1.52	1.24
2	6J	224	VAL	C-O	26.27	1.52	1.24
2	6R	224	VAL	C-O	26.27	1.52	1.24
2	7N	224	VAL	C-O	26.27	1.52	1.24
1	1A	90	PHE	CG-CD1	-26.26	0.83	1.38
1	1I	90	PHE	CG-CD1	-26.26	0.83	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1N	107	PHE	CA-C	-26.26	1.20	1.52
2	13	224	VAL	C-O	26.26	1.52	1.24
2	17	224	VAL	C-O	26.26	1.52	1.24
2	2B	224	VAL	C-O	26.26	1.52	1.24
1	2E	90	PHE	CG-CD1	-26.26	0.83	1.38
2	2J	107	PHE	CA-C	-26.26	1.20	1.52
1	26	90	PHE	CG-CD1	-26.26	0.83	1.38
2	3B	107	PHE	CA-C	-26.26	1.20	1.52
1	3E	90	PHE	CG-CD1	-26.26	0.83	1.38
2	3J	107	PHE	CA-C	-26.26	1.20	1.52
2	3R	224	VAL	C-O	26.26	1.52	1.24
2	3V	224	VAL	C-O	26.26	1.52	1.24
2	3Z	224	VAL	C-O	26.26	1.52	1.24
2	33	107	PHE	CA-C	-26.26	1.20	1.52
1	4A	90	PHE	CG-CD1	-26.26	0.83	1.38
2	4F	107	PHE	CA-C	-26.26	1.20	1.52
1	4M	90	PHE	CG-CD1	-26.26	0.83	1.38
1	4U	90	PHE	CG-CD1	-26.26	0.83	1.38
2	4Z	107	PHE	CA-C	-26.26	1.20	1.52
2	5F	224	VAL	C-O	26.26	1.52	1.24
2	5J	224	VAL	C-O	26.26	1.52	1.24
2	5N	224	VAL	C-O	26.26	1.52	1.24
1	5Q	90	PHE	CG-CD1	-26.26	0.83	1.38
2	5V	107	PHE	CA-C	-26.26	1.20	1.52
1	6I	90	PHE	CG-CD1	-26.26	0.83	1.38
2	6N	107	PHE	CA-C	-26.26	1.20	1.52
1	6Q	90	PHE	CG-CD1	-26.26	0.83	1.38
2	6V	107	PHE	CA-C	-26.26	1.20	1.52
2	63	224	VAL	C-O	26.26	1.52	1.24
2	67	224	VAL	C-O	26.26	1.52	1.24
2	7B	224	VAL	C-O	26.26	1.52	1.24
2	7F	107	PHE	CA-C	-26.26	1.20	1.52
1	7M	90	PHE	CG-CD1	-26.26	0.83	1.38
2	7R	107	PHE	CA-C	-26.26	1.20	1.52
1	1M	90	PHE	CG-CD1	-26.26	0.83	1.38
1	2I	90	PHE	CG-CD1	-26.26	0.83	1.38
1	3A	90	PHE	CG-CD1	-26.26	0.83	1.38
1	3I	90	PHE	CG-CD1	-26.26	0.83	1.38
1	32	90	PHE	CG-CD1	-26.26	0.83	1.38
1	4E	90	PHE	CG-CD1	-26.26	0.83	1.38
1	4Y	90	PHE	CG-CD1	-26.26	0.83	1.38
1	5U	90	PHE	CG-CD1	-26.26	0.83	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	90	PHE	CG-CD1	-26.26	0.83	1.38
1	6U	90	PHE	CG-CD1	-26.26	0.83	1.38
1	7E	90	PHE	CG-CD1	-26.26	0.83	1.38
1	7Q	90	PHE	CG-CD1	-26.26	0.83	1.38
1	1E	90	PHE	CG-CD1	-26.25	0.83	1.38
1	2M	90	PHE	CG-CD1	-26.25	0.83	1.38
1	22	90	PHE	CG-CD1	-26.25	0.83	1.38
1	3M	90	PHE	CG-CD1	-26.25	0.83	1.38
1	36	90	PHE	CG-CD1	-26.25	0.83	1.38
1	4I	90	PHE	CG-CD1	-26.25	0.83	1.38
1	4Q	90	PHE	CG-CD1	-26.25	0.83	1.38
1	5Y	90	PHE	CG-CD1	-26.25	0.83	1.38
1	6E	90	PHE	CG-CD1	-26.25	0.83	1.38
1	6Y	90	PHE	CG-CD1	-26.25	0.83	1.38
1	7I	90	PHE	CG-CD1	-26.25	0.83	1.38
1	7U	90	PHE	CG-CD1	-26.25	0.83	1.38
2	1N	108	HIS	C-O	26.24	1.57	1.24
2	2J	108	HIS	C-O	26.24	1.57	1.24
2	3B	108	HIS	C-O	26.24	1.57	1.24
2	3J	108	HIS	C-O	26.24	1.57	1.24
2	33	108	HIS	C-O	26.24	1.57	1.24
2	4F	108	HIS	C-O	26.24	1.57	1.24
2	4Z	108	HIS	C-O	26.24	1.57	1.24
2	5V	108	HIS	C-O	26.24	1.57	1.24
2	6N	108	HIS	C-O	26.24	1.57	1.24
2	6V	108	HIS	C-O	26.24	1.57	1.24
2	7F	108	HIS	C-O	26.24	1.57	1.24
2	7R	108	HIS	C-O	26.24	1.57	1.24
1	12	90	PHE	CG-CD1	-26.23	0.83	1.38
1	16	90	PHE	CG-CD1	-26.23	0.83	1.38
1	2A	90	PHE	CG-CD1	-26.23	0.83	1.38
1	3Q	90	PHE	CG-CD1	-26.23	0.83	1.38
1	3U	90	PHE	CG-CD1	-26.23	0.83	1.38
1	3Y	90	PHE	CG-CD1	-26.23	0.83	1.38
1	5E	90	PHE	CG-CD1	-26.23	0.83	1.38
1	5I	90	PHE	CG-CD1	-26.23	0.83	1.38
1	5M	90	PHE	CG-CD1	-26.23	0.83	1.38
1	62	90	PHE	CG-CD1	-26.23	0.83	1.38
1	66	90	PHE	CG-CD1	-26.23	0.83	1.38
1	7A	90	PHE	CG-CD1	-26.23	0.83	1.38
2	1N	224	VAL	C-O	26.23	1.52	1.24
2	2J	224	VAL	C-O	26.23	1.52	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	224	VAL	C-O	26.23	1.52	1.24
2	3J	224	VAL	C-O	26.23	1.52	1.24
2	33	224	VAL	C-O	26.23	1.52	1.24
2	4F	224	VAL	C-O	26.23	1.52	1.24
2	4Z	224	VAL	C-O	26.23	1.52	1.24
2	5V	224	VAL	C-O	26.23	1.52	1.24
2	6N	224	VAL	C-O	26.23	1.52	1.24
2	6V	224	VAL	C-O	26.23	1.52	1.24
2	7F	224	VAL	C-O	26.23	1.52	1.24
2	7R	224	VAL	C-O	26.23	1.52	1.24
2	1R	224	VAL	C-O	26.23	1.52	1.24
2	1V	224	VAL	C-O	26.23	1.52	1.24
2	1Z	224	VAL	C-O	26.23	1.52	1.24
2	2R	224	VAL	C-O	26.23	1.52	1.24
2	2V	224	VAL	C-O	26.23	1.52	1.24
2	2Z	224	VAL	C-O	26.23	1.52	1.24
2	43	224	VAL	C-O	26.23	1.52	1.24
2	47	224	VAL	C-O	26.23	1.52	1.24
2	5B	224	VAL	C-O	26.23	1.52	1.24
2	53	224	VAL	C-O	26.23	1.52	1.24
2	57	224	VAL	C-O	26.23	1.52	1.24
2	6B	224	VAL	C-O	26.23	1.52	1.24
1	12	37	ALA	CA-CB	26.19	1.92	1.54
1	16	37	ALA	CA-CB	26.19	1.92	1.54
1	2A	37	ALA	CA-CB	26.19	1.92	1.54
1	3Q	37	ALA	CA-CB	26.19	1.92	1.54
1	3U	37	ALA	CA-CB	26.19	1.92	1.54
1	3Y	37	ALA	CA-CB	26.19	1.92	1.54
1	5E	37	ALA	CA-CB	26.19	1.92	1.54
1	5I	37	ALA	CA-CB	26.19	1.92	1.54
1	5M	37	ALA	CA-CB	26.19	1.92	1.54
1	62	37	ALA	CA-CB	26.19	1.92	1.54
1	66	37	ALA	CA-CB	26.19	1.92	1.54
1	7A	37	ALA	CA-CB	26.19	1.92	1.54
1	1A	37	ALA	CA-CB	26.18	1.92	1.54
1	1I	37	ALA	CA-CB	26.18	1.92	1.54
1	2E	37	ALA	CA-CB	26.18	1.92	1.54
1	26	37	ALA	CA-CB	26.18	1.92	1.54
1	3E	37	ALA	CA-CB	26.18	1.92	1.54
1	4A	37	ALA	CA-CB	26.18	1.92	1.54
1	4M	37	ALA	CA-CB	26.18	1.92	1.54
1	4U	37	ALA	CA-CB	26.18	1.92	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	37	ALA	CA-CB	26.18	1.92	1.54
1	6I	37	ALA	CA-CB	26.18	1.92	1.54
1	6Q	37	ALA	CA-CB	26.18	1.92	1.54
1	7M	37	ALA	CA-CB	26.18	1.92	1.54
1	1Q	37	ALA	CA-CB	26.17	1.92	1.54
1	1U	37	ALA	CA-CB	26.17	1.92	1.54
1	1Y	37	ALA	CA-CB	26.17	1.92	1.54
1	2Q	37	ALA	CA-CB	26.17	1.92	1.54
1	2U	37	ALA	CA-CB	26.17	1.92	1.54
1	2Y	37	ALA	CA-CB	26.17	1.92	1.54
1	42	37	ALA	CA-CB	26.17	1.92	1.54
1	46	37	ALA	CA-CB	26.17	1.92	1.54
1	5A	37	ALA	CA-CB	26.17	1.92	1.54
1	52	37	ALA	CA-CB	26.17	1.92	1.54
1	56	37	ALA	CA-CB	26.17	1.92	1.54
1	6A	37	ALA	CA-CB	26.17	1.92	1.54
1	1M	37	ALA	CA-CB	26.16	1.92	1.54
1	2I	37	ALA	CA-CB	26.16	1.92	1.54
1	3A	37	ALA	CA-CB	26.16	1.92	1.54
1	3I	37	ALA	CA-CB	26.16	1.92	1.54
1	32	37	ALA	CA-CB	26.16	1.92	1.54
1	4E	37	ALA	CA-CB	26.16	1.92	1.54
1	4Y	37	ALA	CA-CB	26.16	1.92	1.54
1	5U	37	ALA	CA-CB	26.16	1.92	1.54
1	6M	37	ALA	CA-CB	26.16	1.92	1.54
1	6U	37	ALA	CA-CB	26.16	1.92	1.54
1	7E	37	ALA	CA-CB	26.16	1.92	1.54
1	7Q	37	ALA	CA-CB	26.16	1.92	1.54
1	1E	37	ALA	CA-CB	26.12	1.92	1.54
1	2M	37	ALA	CA-CB	26.12	1.92	1.54
1	22	37	ALA	CA-CB	26.12	1.92	1.54
1	3M	37	ALA	CA-CB	26.12	1.92	1.54
1	36	37	ALA	CA-CB	26.12	1.92	1.54
1	4I	37	ALA	CA-CB	26.12	1.92	1.54
1	4Q	37	ALA	CA-CB	26.12	1.92	1.54
1	5Y	37	ALA	CA-CB	26.12	1.92	1.54
1	6E	37	ALA	CA-CB	26.12	1.92	1.54
1	6Y	37	ALA	CA-CB	26.12	1.92	1.54
1	7I	37	ALA	CA-CB	26.12	1.92	1.54
1	7U	37	ALA	CA-CB	26.12	1.92	1.54
2	1B	79	VAL	CA-C	-26.07	1.19	1.52
2	1J	79	VAL	CA-C	-26.07	1.19	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	79	VAL	CA-C	-26.07	1.19	1.52
2	27	79	VAL	CA-C	-26.07	1.19	1.52
2	3F	79	VAL	CA-C	-26.07	1.19	1.52
2	4B	79	VAL	CA-C	-26.07	1.19	1.52
2	4N	79	VAL	CA-C	-26.07	1.19	1.52
2	4V	79	VAL	CA-C	-26.07	1.19	1.52
2	5R	79	VAL	CA-C	-26.07	1.19	1.52
2	6J	79	VAL	CA-C	-26.07	1.19	1.52
2	6R	79	VAL	CA-C	-26.07	1.19	1.52
2	7N	79	VAL	CA-C	-26.07	1.19	1.52
2	1F	79	VAL	CA-C	-26.07	1.19	1.52
2	2N	79	VAL	CA-C	-26.07	1.19	1.52
2	23	79	VAL	CA-C	-26.07	1.19	1.52
2	3N	79	VAL	CA-C	-26.07	1.19	1.52
2	37	79	VAL	CA-C	-26.07	1.19	1.52
2	4J	79	VAL	CA-C	-26.07	1.19	1.52
2	4R	79	VAL	CA-C	-26.07	1.19	1.52
2	5Z	79	VAL	CA-C	-26.07	1.19	1.52
2	6F	79	VAL	CA-C	-26.07	1.19	1.52
2	6Z	79	VAL	CA-C	-26.07	1.19	1.52
2	7J	79	VAL	CA-C	-26.07	1.19	1.52
2	7V	79	VAL	CA-C	-26.07	1.19	1.52
2	13	79	VAL	CA-C	-26.06	1.19	1.52
2	17	79	VAL	CA-C	-26.06	1.19	1.52
2	2B	79	VAL	CA-C	-26.06	1.19	1.52
2	3R	79	VAL	CA-C	-26.06	1.19	1.52
2	3V	79	VAL	CA-C	-26.06	1.19	1.52
2	3Z	79	VAL	CA-C	-26.06	1.19	1.52
2	5F	79	VAL	CA-C	-26.06	1.19	1.52
2	5J	79	VAL	CA-C	-26.06	1.19	1.52
2	5N	79	VAL	CA-C	-26.06	1.19	1.52
2	63	79	VAL	CA-C	-26.06	1.19	1.52
2	67	79	VAL	CA-C	-26.06	1.19	1.52
2	7B	79	VAL	CA-C	-26.06	1.19	1.52
2	1R	79	VAL	CA-C	-26.05	1.19	1.52
2	1V	79	VAL	CA-C	-26.05	1.19	1.52
2	1Z	79	VAL	CA-C	-26.05	1.19	1.52
2	2R	79	VAL	CA-C	-26.05	1.19	1.52
2	2V	79	VAL	CA-C	-26.05	1.19	1.52
2	2Z	79	VAL	CA-C	-26.05	1.19	1.52
2	43	79	VAL	CA-C	-26.05	1.19	1.52
2	47	79	VAL	CA-C	-26.05	1.19	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	79	VAL	CA-C	-26.05	1.19	1.52
2	53	79	VAL	CA-C	-26.05	1.19	1.52
2	57	79	VAL	CA-C	-26.05	1.19	1.52
2	6B	79	VAL	CA-C	-26.05	1.19	1.52
2	1N	79	VAL	CA-C	-26.05	1.19	1.52
2	2J	79	VAL	CA-C	-26.05	1.19	1.52
2	3B	79	VAL	CA-C	-26.05	1.19	1.52
2	3J	79	VAL	CA-C	-26.05	1.19	1.52
2	33	79	VAL	CA-C	-26.05	1.19	1.52
2	4F	79	VAL	CA-C	-26.05	1.19	1.52
2	4Z	79	VAL	CA-C	-26.05	1.19	1.52
2	5V	79	VAL	CA-C	-26.05	1.19	1.52
2	6N	79	VAL	CA-C	-26.05	1.19	1.52
2	6V	79	VAL	CA-C	-26.05	1.19	1.52
2	7F	79	VAL	CA-C	-26.05	1.19	1.52
2	7R	79	VAL	CA-C	-26.05	1.19	1.52
2	13	13	THR	C-N	25.89	1.70	1.33
2	17	13	THR	C-N	25.89	1.70	1.33
2	2B	13	THR	C-N	25.89	1.70	1.33
2	3R	13	THR	C-N	25.89	1.70	1.33
2	3V	13	THR	C-N	25.89	1.70	1.33
2	3Z	13	THR	C-N	25.89	1.70	1.33
2	5F	13	THR	C-N	25.89	1.70	1.33
2	5J	13	THR	C-N	25.89	1.70	1.33
2	5N	13	THR	C-N	25.89	1.70	1.33
2	63	13	THR	C-N	25.89	1.70	1.33
2	67	13	THR	C-N	25.89	1.70	1.33
2	7B	13	THR	C-N	25.89	1.70	1.33
1	1A	82	ARG	C-O	-25.85	0.91	1.24
1	1I	82	ARG	C-O	-25.85	0.91	1.24
1	2E	82	ARG	C-O	-25.85	0.91	1.24
1	26	82	ARG	C-O	-25.85	0.91	1.24
1	3E	82	ARG	C-O	-25.85	0.91	1.24
1	4A	82	ARG	C-O	-25.85	0.91	1.24
1	4M	82	ARG	C-O	-25.85	0.91	1.24
1	4U	82	ARG	C-O	-25.85	0.91	1.24
1	5Q	82	ARG	C-O	-25.85	0.91	1.24
1	6I	82	ARG	C-O	-25.85	0.91	1.24
1	6Q	82	ARG	C-O	-25.85	0.91	1.24
1	7M	82	ARG	C-O	-25.85	0.91	1.24
1	1M	82	ARG	C-O	-25.85	0.91	1.24
1	2I	82	ARG	C-O	-25.85	0.91	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	82	ARG	C-O	-25.85	0.91	1.24
1	3I	82	ARG	C-O	-25.85	0.91	1.24
1	32	82	ARG	C-O	-25.85	0.91	1.24
1	4E	82	ARG	C-O	-25.85	0.91	1.24
1	4Y	82	ARG	C-O	-25.85	0.91	1.24
1	5U	82	ARG	C-O	-25.85	0.91	1.24
1	6M	82	ARG	C-O	-25.85	0.91	1.24
1	6U	82	ARG	C-O	-25.85	0.91	1.24
1	7E	82	ARG	C-O	-25.85	0.91	1.24
1	7Q	82	ARG	C-O	-25.85	0.91	1.24
1	1Q	82	ARG	C-O	-25.85	0.91	1.24
1	1U	82	ARG	C-O	-25.85	0.91	1.24
1	1Y	82	ARG	C-O	-25.85	0.91	1.24
1	2Q	82	ARG	C-O	-25.85	0.91	1.24
1	2U	82	ARG	C-O	-25.85	0.91	1.24
1	2Y	82	ARG	C-O	-25.85	0.91	1.24
1	42	82	ARG	C-O	-25.85	0.91	1.24
1	46	82	ARG	C-O	-25.85	0.91	1.24
1	5A	82	ARG	C-O	-25.85	0.91	1.24
1	52	82	ARG	C-O	-25.85	0.91	1.24
1	56	82	ARG	C-O	-25.85	0.91	1.24
1	6A	82	ARG	C-O	-25.85	0.91	1.24
2	1B	13	THR	C-N	25.85	1.69	1.33
2	1J	13	THR	C-N	25.85	1.69	1.33
2	2F	13	THR	C-N	25.85	1.69	1.33
2	27	13	THR	C-N	25.85	1.69	1.33
2	3F	13	THR	C-N	25.85	1.69	1.33
2	4B	13	THR	C-N	25.85	1.69	1.33
2	4N	13	THR	C-N	25.85	1.69	1.33
2	4V	13	THR	C-N	25.85	1.69	1.33
2	5R	13	THR	C-N	25.85	1.69	1.33
2	6J	13	THR	C-N	25.85	1.69	1.33
2	6R	13	THR	C-N	25.85	1.69	1.33
2	7N	13	THR	C-N	25.85	1.69	1.33
2	1F	13	THR	C-N	25.85	1.69	1.33
2	2N	13	THR	C-N	25.85	1.69	1.33
2	23	13	THR	C-N	25.85	1.69	1.33
2	3N	13	THR	C-N	25.85	1.69	1.33
2	37	13	THR	C-N	25.85	1.69	1.33
2	4J	13	THR	C-N	25.85	1.69	1.33
2	4R	13	THR	C-N	25.85	1.69	1.33
2	5Z	13	THR	C-N	25.85	1.69	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	13	THR	C-N	25.85	1.69	1.33
2	6Z	13	THR	C-N	25.85	1.69	1.33
2	7J	13	THR	C-N	25.85	1.69	1.33
2	7V	13	THR	C-N	25.85	1.69	1.33
2	1R	13	THR	C-N	25.84	1.69	1.33
2	1V	13	THR	C-N	25.84	1.69	1.33
2	1Z	13	THR	C-N	25.84	1.69	1.33
2	2R	13	THR	C-N	25.84	1.69	1.33
2	2V	13	THR	C-N	25.84	1.69	1.33
2	2Z	13	THR	C-N	25.84	1.69	1.33
2	43	13	THR	C-N	25.84	1.69	1.33
2	47	13	THR	C-N	25.84	1.69	1.33
2	5B	13	THR	C-N	25.84	1.69	1.33
2	53	13	THR	C-N	25.84	1.69	1.33
2	57	13	THR	C-N	25.84	1.69	1.33
2	6B	13	THR	C-N	25.84	1.69	1.33
1	12	49	LEU	C-O	25.84	1.54	1.24
1	16	49	LEU	C-O	25.84	1.54	1.24
1	2A	49	LEU	C-O	25.84	1.54	1.24
1	3Q	49	LEU	C-O	25.84	1.54	1.24
1	3U	49	LEU	C-O	25.84	1.54	1.24
1	3Y	49	LEU	C-O	25.84	1.54	1.24
1	5E	49	LEU	C-O	25.84	1.54	1.24
1	5I	49	LEU	C-O	25.84	1.54	1.24
1	5M	49	LEU	C-O	25.84	1.54	1.24
1	62	49	LEU	C-O	25.84	1.54	1.24
1	66	49	LEU	C-O	25.84	1.54	1.24
1	7A	49	LEU	C-O	25.84	1.54	1.24
1	1E	82	ARG	C-O	-25.83	0.91	1.24
1	2M	82	ARG	C-O	-25.83	0.91	1.24
1	22	82	ARG	C-O	-25.83	0.91	1.24
1	3M	82	ARG	C-O	-25.83	0.91	1.24
1	36	82	ARG	C-O	-25.83	0.91	1.24
1	4I	82	ARG	C-O	-25.83	0.91	1.24
1	4Q	82	ARG	C-O	-25.83	0.91	1.24
1	5Y	82	ARG	C-O	-25.83	0.91	1.24
1	6E	82	ARG	C-O	-25.83	0.91	1.24
1	6Y	82	ARG	C-O	-25.83	0.91	1.24
1	7I	82	ARG	C-O	-25.83	0.91	1.24
1	7U	82	ARG	C-O	-25.83	0.91	1.24
2	1N	13	THR	C-N	25.83	1.69	1.33
2	2J	13	THR	C-N	25.83	1.69	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	13	THR	C-N	25.83	1.69	1.33
2	3J	13	THR	C-N	25.83	1.69	1.33
2	33	13	THR	C-N	25.83	1.69	1.33
2	4F	13	THR	C-N	25.83	1.69	1.33
2	4Z	13	THR	C-N	25.83	1.69	1.33
2	5V	13	THR	C-N	25.83	1.69	1.33
2	6N	13	THR	C-N	25.83	1.69	1.33
2	6V	13	THR	C-N	25.83	1.69	1.33
2	7F	13	THR	C-N	25.83	1.69	1.33
2	7R	13	THR	C-N	25.83	1.69	1.33
1	12	82	ARG	C-O	-25.80	0.91	1.24
1	16	82	ARG	C-O	-25.80	0.91	1.24
1	2A	82	ARG	C-O	-25.80	0.91	1.24
1	3Q	82	ARG	C-O	-25.80	0.91	1.24
1	3U	82	ARG	C-O	-25.80	0.91	1.24
1	3Y	82	ARG	C-O	-25.80	0.91	1.24
1	5E	82	ARG	C-O	-25.80	0.91	1.24
1	5I	82	ARG	C-O	-25.80	0.91	1.24
1	5M	82	ARG	C-O	-25.80	0.91	1.24
1	62	82	ARG	C-O	-25.80	0.91	1.24
1	66	82	ARG	C-O	-25.80	0.91	1.24
1	7A	82	ARG	C-O	-25.80	0.91	1.24
1	1Q	49	LEU	C-O	25.80	1.54	1.24
1	1U	49	LEU	C-O	25.80	1.54	1.24
1	1Y	49	LEU	C-O	25.80	1.54	1.24
1	2Q	49	LEU	C-O	25.80	1.54	1.24
1	2U	49	LEU	C-O	25.80	1.54	1.24
1	2Y	49	LEU	C-O	25.80	1.54	1.24
1	42	49	LEU	C-O	25.80	1.54	1.24
1	46	49	LEU	C-O	25.80	1.54	1.24
1	5A	49	LEU	C-O	25.80	1.54	1.24
1	52	49	LEU	C-O	25.80	1.54	1.24
1	56	49	LEU	C-O	25.80	1.54	1.24
1	6A	49	LEU	C-O	25.80	1.54	1.24
1	1A	49	LEU	C-O	25.75	1.54	1.24
1	1I	49	LEU	C-O	25.75	1.54	1.24
1	2E	49	LEU	C-O	25.75	1.54	1.24
1	26	49	LEU	C-O	25.75	1.54	1.24
1	3E	49	LEU	C-O	25.75	1.54	1.24
1	4A	49	LEU	C-O	25.75	1.54	1.24
1	4M	49	LEU	C-O	25.75	1.54	1.24
1	4U	49	LEU	C-O	25.75	1.54	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	49	LEU	C-O	25.75	1.54	1.24
1	6I	49	LEU	C-O	25.75	1.54	1.24
1	6Q	49	LEU	C-O	25.75	1.54	1.24
1	7M	49	LEU	C-O	25.75	1.54	1.24
1	1M	49	LEU	C-O	25.72	1.54	1.24
1	2I	49	LEU	C-O	25.72	1.54	1.24
1	3A	49	LEU	C-O	25.72	1.54	1.24
1	3I	49	LEU	C-O	25.72	1.54	1.24
1	32	49	LEU	C-O	25.72	1.54	1.24
1	4E	49	LEU	C-O	25.72	1.54	1.24
1	4Y	49	LEU	C-O	25.72	1.54	1.24
1	5U	49	LEU	C-O	25.72	1.54	1.24
1	6M	49	LEU	C-O	25.72	1.54	1.24
1	6U	49	LEU	C-O	25.72	1.54	1.24
1	7E	49	LEU	C-O	25.72	1.54	1.24
1	7Q	49	LEU	C-O	25.72	1.54	1.24
1	1E	149	THR	N-CA	-25.71	1.12	1.45
1	2M	149	THR	N-CA	-25.71	1.12	1.45
1	22	149	THR	N-CA	-25.71	1.12	1.45
1	3M	149	THR	N-CA	-25.71	1.12	1.45
1	36	149	THR	N-CA	-25.71	1.12	1.45
1	4I	149	THR	N-CA	-25.71	1.12	1.45
1	4Q	149	THR	N-CA	-25.71	1.12	1.45
1	5Y	149	THR	N-CA	-25.71	1.12	1.45
1	6E	149	THR	N-CA	-25.71	1.12	1.45
1	6Y	149	THR	N-CA	-25.71	1.12	1.45
1	7I	149	THR	N-CA	-25.71	1.12	1.45
1	7U	149	THR	N-CA	-25.71	1.12	1.45
1	1E	49	LEU	C-O	25.71	1.54	1.24
1	12	149	THR	N-CA	-25.71	1.12	1.45
1	16	149	THR	N-CA	-25.71	1.12	1.45
1	2A	149	THR	N-CA	-25.71	1.12	1.45
1	2M	49	LEU	C-O	25.71	1.54	1.24
1	22	49	LEU	C-O	25.71	1.54	1.24
1	3M	49	LEU	C-O	25.71	1.54	1.24
1	3Q	149	THR	N-CA	-25.71	1.12	1.45
1	3U	149	THR	N-CA	-25.71	1.12	1.45
1	3Y	149	THR	N-CA	-25.71	1.12	1.45
1	36	49	LEU	C-O	25.71	1.54	1.24
1	4I	49	LEU	C-O	25.71	1.54	1.24
1	4Q	49	LEU	C-O	25.71	1.54	1.24
1	5E	149	THR	N-CA	-25.71	1.12	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5I	149	THR	N-CA	-25.71	1.12	1.45
1	5M	149	THR	N-CA	-25.71	1.12	1.45
1	5Y	49	LEU	C-O	25.71	1.54	1.24
1	6E	49	LEU	C-O	25.71	1.54	1.24
1	6Y	49	LEU	C-O	25.71	1.54	1.24
1	62	149	THR	N-CA	-25.71	1.12	1.45
1	66	149	THR	N-CA	-25.71	1.12	1.45
1	7A	149	THR	N-CA	-25.71	1.12	1.45
1	7I	49	LEU	C-O	25.71	1.54	1.24
1	7U	49	LEU	C-O	25.71	1.54	1.24
1	1A	149	THR	N-CA	-25.68	1.12	1.45
1	1I	149	THR	N-CA	-25.68	1.12	1.45
1	2E	149	THR	N-CA	-25.68	1.12	1.45
1	26	149	THR	N-CA	-25.68	1.12	1.45
1	3E	149	THR	N-CA	-25.68	1.12	1.45
1	4A	149	THR	N-CA	-25.68	1.12	1.45
1	4M	149	THR	N-CA	-25.68	1.12	1.45
1	4U	149	THR	N-CA	-25.68	1.12	1.45
1	5Q	149	THR	N-CA	-25.68	1.12	1.45
1	6I	149	THR	N-CA	-25.68	1.12	1.45
1	6Q	149	THR	N-CA	-25.68	1.12	1.45
1	7M	149	THR	N-CA	-25.68	1.12	1.45
1	1Q	149	THR	N-CA	-25.66	1.12	1.45
1	1U	149	THR	N-CA	-25.66	1.12	1.45
1	1Y	149	THR	N-CA	-25.66	1.12	1.45
1	2Q	149	THR	N-CA	-25.66	1.12	1.45
1	2U	149	THR	N-CA	-25.66	1.12	1.45
1	2Y	149	THR	N-CA	-25.66	1.12	1.45
1	42	149	THR	N-CA	-25.66	1.12	1.45
1	46	149	THR	N-CA	-25.66	1.12	1.45
1	5A	149	THR	N-CA	-25.66	1.12	1.45
1	52	149	THR	N-CA	-25.66	1.12	1.45
1	56	149	THR	N-CA	-25.66	1.12	1.45
1	6A	149	THR	N-CA	-25.66	1.12	1.45
2	1B	80	GLU	N-CA	25.66	1.80	1.46
2	1J	80	GLU	N-CA	25.66	1.80	1.46
2	2F	80	GLU	N-CA	25.66	1.80	1.46
2	27	80	GLU	N-CA	25.66	1.80	1.46
2	3F	80	GLU	N-CA	25.66	1.80	1.46
2	4B	80	GLU	N-CA	25.66	1.80	1.46
2	4N	80	GLU	N-CA	25.66	1.80	1.46
2	4V	80	GLU	N-CA	25.66	1.80	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	80	GLU	N-CA	25.66	1.80	1.46
2	6J	80	GLU	N-CA	25.66	1.80	1.46
2	6R	80	GLU	N-CA	25.66	1.80	1.46
2	7N	80	GLU	N-CA	25.66	1.80	1.46
2	1R	80	GLU	N-CA	25.65	1.80	1.46
2	1V	80	GLU	N-CA	25.65	1.80	1.46
2	1Z	80	GLU	N-CA	25.65	1.80	1.46
2	2R	80	GLU	N-CA	25.65	1.80	1.46
2	2V	80	GLU	N-CA	25.65	1.80	1.46
2	2Z	80	GLU	N-CA	25.65	1.80	1.46
2	43	80	GLU	N-CA	25.65	1.80	1.46
2	47	80	GLU	N-CA	25.65	1.80	1.46
2	5B	80	GLU	N-CA	25.65	1.80	1.46
2	53	80	GLU	N-CA	25.65	1.80	1.46
2	57	80	GLU	N-CA	25.65	1.80	1.46
2	6B	80	GLU	N-CA	25.65	1.80	1.46
1	1M	149	THR	N-CA	-25.65	1.12	1.45
1	2I	149	THR	N-CA	-25.65	1.12	1.45
1	3A	149	THR	N-CA	-25.65	1.12	1.45
1	3I	149	THR	N-CA	-25.65	1.12	1.45
1	32	149	THR	N-CA	-25.65	1.12	1.45
1	4E	149	THR	N-CA	-25.65	1.12	1.45
1	4Y	149	THR	N-CA	-25.65	1.12	1.45
1	5U	149	THR	N-CA	-25.65	1.12	1.45
1	6M	149	THR	N-CA	-25.65	1.12	1.45
1	6U	149	THR	N-CA	-25.65	1.12	1.45
1	7E	149	THR	N-CA	-25.65	1.12	1.45
1	7Q	149	THR	N-CA	-25.65	1.12	1.45
2	13	80	GLU	N-CA	25.64	1.80	1.46
2	17	80	GLU	N-CA	25.64	1.80	1.46
2	2B	80	GLU	N-CA	25.64	1.80	1.46
2	3R	80	GLU	N-CA	25.64	1.80	1.46
2	3V	80	GLU	N-CA	25.64	1.80	1.46
2	3Z	80	GLU	N-CA	25.64	1.80	1.46
2	5F	80	GLU	N-CA	25.64	1.80	1.46
2	5J	80	GLU	N-CA	25.64	1.80	1.46
2	5N	80	GLU	N-CA	25.64	1.80	1.46
2	63	80	GLU	N-CA	25.64	1.80	1.46
2	67	80	GLU	N-CA	25.64	1.80	1.46
2	7B	80	GLU	N-CA	25.64	1.80	1.46
2	1N	80	GLU	N-CA	25.63	1.80	1.46
2	2J	80	GLU	N-CA	25.63	1.80	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	80	GLU	N-CA	25.63	1.80	1.46
2	3J	80	GLU	N-CA	25.63	1.80	1.46
2	33	80	GLU	N-CA	25.63	1.80	1.46
2	4F	80	GLU	N-CA	25.63	1.80	1.46
2	4Z	80	GLU	N-CA	25.63	1.80	1.46
2	5V	80	GLU	N-CA	25.63	1.80	1.46
2	6N	80	GLU	N-CA	25.63	1.80	1.46
2	6V	80	GLU	N-CA	25.63	1.80	1.46
2	7F	80	GLU	N-CA	25.63	1.80	1.46
2	7R	80	GLU	N-CA	25.63	1.80	1.46
2	1F	54	ASN	C-O	-25.62	0.99	1.24
2	2N	54	ASN	C-O	-25.62	0.99	1.24
2	23	54	ASN	C-O	-25.62	0.99	1.24
2	3N	54	ASN	C-O	-25.62	0.99	1.24
2	37	54	ASN	C-O	-25.62	0.99	1.24
2	4J	54	ASN	C-O	-25.62	0.99	1.24
2	4R	54	ASN	C-O	-25.62	0.99	1.24
2	5Z	54	ASN	C-O	-25.62	0.99	1.24
2	6F	54	ASN	C-O	-25.62	0.99	1.24
2	6Z	54	ASN	C-O	-25.62	0.99	1.24
2	7J	54	ASN	C-O	-25.62	0.99	1.24
2	7V	54	ASN	C-O	-25.62	0.99	1.24
2	1F	80	GLU	N-CA	25.62	1.80	1.46
2	2N	80	GLU	N-CA	25.62	1.80	1.46
2	23	80	GLU	N-CA	25.62	1.80	1.46
2	3N	80	GLU	N-CA	25.62	1.80	1.46
2	37	80	GLU	N-CA	25.62	1.80	1.46
2	4J	80	GLU	N-CA	25.62	1.80	1.46
2	4R	80	GLU	N-CA	25.62	1.80	1.46
2	5Z	80	GLU	N-CA	25.62	1.80	1.46
2	6F	80	GLU	N-CA	25.62	1.80	1.46
2	6Z	80	GLU	N-CA	25.62	1.80	1.46
2	7J	80	GLU	N-CA	25.62	1.80	1.46
2	7V	80	GLU	N-CA	25.62	1.80	1.46
2	1R	54	ASN	C-O	-25.60	0.99	1.24
2	1V	54	ASN	C-O	-25.60	0.99	1.24
2	1Z	54	ASN	C-O	-25.60	0.99	1.24
2	2R	54	ASN	C-O	-25.60	0.99	1.24
2	2V	54	ASN	C-O	-25.60	0.99	1.24
2	2Z	54	ASN	C-O	-25.60	0.99	1.24
2	43	54	ASN	C-O	-25.60	0.99	1.24
2	47	54	ASN	C-O	-25.60	0.99	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	54	ASN	C-O	-25.60	0.99	1.24
2	53	54	ASN	C-O	-25.60	0.99	1.24
2	57	54	ASN	C-O	-25.60	0.99	1.24
2	6B	54	ASN	C-O	-25.60	0.99	1.24
2	13	54	ASN	C-O	-25.59	0.99	1.24
2	17	54	ASN	C-O	-25.59	0.99	1.24
2	2B	54	ASN	C-O	-25.59	0.99	1.24
2	3R	54	ASN	C-O	-25.59	0.99	1.24
2	3V	54	ASN	C-O	-25.59	0.99	1.24
2	3Z	54	ASN	C-O	-25.59	0.99	1.24
2	5F	54	ASN	C-O	-25.59	0.99	1.24
2	5J	54	ASN	C-O	-25.59	0.99	1.24
2	5N	54	ASN	C-O	-25.59	0.99	1.24
2	63	54	ASN	C-O	-25.59	0.99	1.24
2	67	54	ASN	C-O	-25.59	0.99	1.24
2	7B	54	ASN	C-O	-25.59	0.99	1.24
2	1B	54	ASN	C-O	-25.59	0.99	1.24
2	1J	54	ASN	C-O	-25.59	0.99	1.24
2	2F	54	ASN	C-O	-25.59	0.99	1.24
2	27	54	ASN	C-O	-25.59	0.99	1.24
2	3F	54	ASN	C-O	-25.59	0.99	1.24
2	4B	54	ASN	C-O	-25.59	0.99	1.24
2	4N	54	ASN	C-O	-25.59	0.99	1.24
2	4V	54	ASN	C-O	-25.59	0.99	1.24
2	5R	54	ASN	C-O	-25.59	0.99	1.24
2	6J	54	ASN	C-O	-25.59	0.99	1.24
2	6R	54	ASN	C-O	-25.59	0.99	1.24
2	7N	54	ASN	C-O	-25.59	0.99	1.24
2	1N	54	ASN	C-O	-25.54	0.99	1.24
2	2J	54	ASN	C-O	-25.54	0.99	1.24
2	3B	54	ASN	C-O	-25.54	0.99	1.24
2	3J	54	ASN	C-O	-25.54	0.99	1.24
2	33	54	ASN	C-O	-25.54	0.99	1.24
2	4F	54	ASN	C-O	-25.54	0.99	1.24
2	4Z	54	ASN	C-O	-25.54	0.99	1.24
2	5V	54	ASN	C-O	-25.54	0.99	1.24
2	6N	54	ASN	C-O	-25.54	0.99	1.24
2	6V	54	ASN	C-O	-25.54	0.99	1.24
2	7F	54	ASN	C-O	-25.54	0.99	1.24
2	7R	54	ASN	C-O	-25.54	0.99	1.24
1	1M	39	GLN	CA-C	25.43	1.86	1.52
1	2I	39	GLN	CA-C	25.43	1.86	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	39	GLN	CA-C	25.43	1.86	1.52
1	3I	39	GLN	CA-C	25.43	1.86	1.52
1	32	39	GLN	CA-C	25.43	1.86	1.52
1	4E	39	GLN	CA-C	25.43	1.86	1.52
1	4Y	39	GLN	CA-C	25.43	1.86	1.52
1	5U	39	GLN	CA-C	25.43	1.86	1.52
1	6M	39	GLN	CA-C	25.43	1.86	1.52
1	6U	39	GLN	CA-C	25.43	1.86	1.52
1	7E	39	GLN	CA-C	25.43	1.86	1.52
1	7Q	39	GLN	CA-C	25.43	1.86	1.52
1	1A	39	GLN	CA-C	25.39	1.86	1.52
1	1I	39	GLN	CA-C	25.39	1.86	1.52
1	2E	39	GLN	CA-C	25.39	1.86	1.52
1	26	39	GLN	CA-C	25.39	1.86	1.52
1	3E	39	GLN	CA-C	25.39	1.86	1.52
1	4A	39	GLN	CA-C	25.39	1.86	1.52
1	4M	39	GLN	CA-C	25.39	1.86	1.52
1	4U	39	GLN	CA-C	25.39	1.86	1.52
1	5Q	39	GLN	CA-C	25.39	1.86	1.52
1	6I	39	GLN	CA-C	25.39	1.86	1.52
1	6Q	39	GLN	CA-C	25.39	1.86	1.52
1	7M	39	GLN	CA-C	25.39	1.86	1.52
1	1E	39	GLN	CA-C	25.39	1.86	1.52
1	2M	39	GLN	CA-C	25.39	1.86	1.52
1	22	39	GLN	CA-C	25.39	1.86	1.52
1	3M	39	GLN	CA-C	25.39	1.86	1.52
1	36	39	GLN	CA-C	25.39	1.86	1.52
1	4I	39	GLN	CA-C	25.39	1.86	1.52
1	4Q	39	GLN	CA-C	25.39	1.86	1.52
1	5Y	39	GLN	CA-C	25.39	1.86	1.52
1	6E	39	GLN	CA-C	25.39	1.86	1.52
1	6Y	39	GLN	CA-C	25.39	1.86	1.52
1	7I	39	GLN	CA-C	25.39	1.86	1.52
1	7U	39	GLN	CA-C	25.39	1.86	1.52
1	1E	15	SER	CA-CB	25.38	1.92	1.53
1	2M	15	SER	CA-CB	25.38	1.92	1.53
1	22	15	SER	CA-CB	25.38	1.92	1.53
1	3M	15	SER	CA-CB	25.38	1.92	1.53
1	36	15	SER	CA-CB	25.38	1.92	1.53
1	4I	15	SER	CA-CB	25.38	1.92	1.53
1	4Q	15	SER	CA-CB	25.38	1.92	1.53
1	5Y	15	SER	CA-CB	25.38	1.92	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	15	SER	CA-CB	25.38	1.92	1.53
1	6Y	15	SER	CA-CB	25.38	1.92	1.53
1	7I	15	SER	CA-CB	25.38	1.92	1.53
1	7U	15	SER	CA-CB	25.38	1.92	1.53
1	12	39	GLN	CA-C	25.37	1.86	1.52
1	16	39	GLN	CA-C	25.37	1.86	1.52
1	2A	39	GLN	CA-C	25.37	1.86	1.52
1	3Q	39	GLN	CA-C	25.37	1.86	1.52
1	3U	39	GLN	CA-C	25.37	1.86	1.52
1	3Y	39	GLN	CA-C	25.37	1.86	1.52
1	5E	39	GLN	CA-C	25.37	1.86	1.52
1	5I	39	GLN	CA-C	25.37	1.86	1.52
1	5M	39	GLN	CA-C	25.37	1.86	1.52
1	62	39	GLN	CA-C	25.37	1.86	1.52
1	66	39	GLN	CA-C	25.37	1.86	1.52
1	7A	39	GLN	CA-C	25.37	1.86	1.52
1	1M	15	SER	CA-CB	25.36	1.92	1.53
1	2I	15	SER	CA-CB	25.36	1.92	1.53
1	3A	15	SER	CA-CB	25.36	1.92	1.53
1	3I	15	SER	CA-CB	25.36	1.92	1.53
1	32	15	SER	CA-CB	25.36	1.92	1.53
1	4E	15	SER	CA-CB	25.36	1.92	1.53
1	4Y	15	SER	CA-CB	25.36	1.92	1.53
1	5U	15	SER	CA-CB	25.36	1.92	1.53
1	6M	15	SER	CA-CB	25.36	1.92	1.53
1	6U	15	SER	CA-CB	25.36	1.92	1.53
1	7E	15	SER	CA-CB	25.36	1.92	1.53
1	7Q	15	SER	CA-CB	25.36	1.92	1.53
1	1A	15	SER	CA-CB	25.35	1.92	1.53
1	1I	15	SER	CA-CB	25.35	1.92	1.53
1	2E	15	SER	CA-CB	25.35	1.92	1.53
1	26	15	SER	CA-CB	25.35	1.92	1.53
1	3E	15	SER	CA-CB	25.35	1.92	1.53
1	4A	15	SER	CA-CB	25.35	1.92	1.53
1	4M	15	SER	CA-CB	25.35	1.92	1.53
1	4U	15	SER	CA-CB	25.35	1.92	1.53
1	5Q	15	SER	CA-CB	25.35	1.92	1.53
1	6I	15	SER	CA-CB	25.35	1.92	1.53
1	6Q	15	SER	CA-CB	25.35	1.92	1.53
1	7M	15	SER	CA-CB	25.35	1.92	1.53
1	1Q	39	GLN	CA-C	25.34	1.86	1.52
1	1U	39	GLN	CA-C	25.34	1.86	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	39	GLN	CA-C	25.34	1.86	1.52
1	12	15	SER	CA-CB	25.34	1.92	1.53
1	16	15	SER	CA-CB	25.34	1.92	1.53
1	2A	15	SER	CA-CB	25.34	1.92	1.53
1	2Q	39	GLN	CA-C	25.34	1.86	1.52
1	2U	39	GLN	CA-C	25.34	1.86	1.52
1	2Y	39	GLN	CA-C	25.34	1.86	1.52
1	3Q	15	SER	CA-CB	25.34	1.92	1.53
1	3U	15	SER	CA-CB	25.34	1.92	1.53
1	3Y	15	SER	CA-CB	25.34	1.92	1.53
1	42	39	GLN	CA-C	25.34	1.86	1.52
1	46	39	GLN	CA-C	25.34	1.86	1.52
1	5A	39	GLN	CA-C	25.34	1.86	1.52
1	5E	15	SER	CA-CB	25.34	1.92	1.53
1	5I	15	SER	CA-CB	25.34	1.92	1.53
1	5M	15	SER	CA-CB	25.34	1.92	1.53
1	52	39	GLN	CA-C	25.34	1.86	1.52
1	56	39	GLN	CA-C	25.34	1.86	1.52
1	6A	39	GLN	CA-C	25.34	1.86	1.52
1	62	15	SER	CA-CB	25.34	1.92	1.53
1	66	15	SER	CA-CB	25.34	1.92	1.53
1	7A	15	SER	CA-CB	25.34	1.92	1.53
1	1Q	15	SER	CA-CB	25.32	1.92	1.53
1	1U	15	SER	CA-CB	25.32	1.92	1.53
1	1Y	15	SER	CA-CB	25.32	1.92	1.53
1	2Q	15	SER	CA-CB	25.32	1.92	1.53
1	2U	15	SER	CA-CB	25.32	1.92	1.53
1	2Y	15	SER	CA-CB	25.32	1.92	1.53
1	42	15	SER	CA-CB	25.32	1.92	1.53
1	46	15	SER	CA-CB	25.32	1.92	1.53
1	5A	15	SER	CA-CB	25.32	1.92	1.53
1	52	15	SER	CA-CB	25.32	1.92	1.53
1	56	15	SER	CA-CB	25.32	1.92	1.53
1	6A	15	SER	CA-CB	25.32	1.92	1.53
1	12	151	ASN	CA-C	-25.32	1.30	1.53
1	16	151	ASN	CA-C	-25.32	1.30	1.53
1	2A	151	ASN	CA-C	-25.32	1.30	1.53
1	3Q	151	ASN	CA-C	-25.32	1.30	1.53
1	3U	151	ASN	CA-C	-25.32	1.30	1.53
1	3Y	151	ASN	CA-C	-25.32	1.30	1.53
1	5E	151	ASN	CA-C	-25.32	1.30	1.53
1	5I	151	ASN	CA-C	-25.32	1.30	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	151	ASN	CA-C	-25.32	1.30	1.53
1	62	151	ASN	CA-C	-25.32	1.30	1.53
1	66	151	ASN	CA-C	-25.32	1.30	1.53
1	7A	151	ASN	CA-C	-25.32	1.30	1.53
1	1E	151	ASN	CA-C	-25.32	1.30	1.53
1	2M	151	ASN	CA-C	-25.32	1.30	1.53
1	22	151	ASN	CA-C	-25.32	1.30	1.53
1	3M	151	ASN	CA-C	-25.32	1.30	1.53
1	36	151	ASN	CA-C	-25.32	1.30	1.53
1	4I	151	ASN	CA-C	-25.32	1.30	1.53
1	4Q	151	ASN	CA-C	-25.32	1.30	1.53
1	5Y	151	ASN	CA-C	-25.32	1.30	1.53
1	6E	151	ASN	CA-C	-25.32	1.30	1.53
1	6Y	151	ASN	CA-C	-25.32	1.30	1.53
1	7I	151	ASN	CA-C	-25.32	1.30	1.53
1	7U	151	ASN	CA-C	-25.32	1.30	1.53
1	1A	151	ASN	CA-C	-25.30	1.30	1.53
1	1I	151	ASN	CA-C	-25.30	1.30	1.53
1	2E	151	ASN	CA-C	-25.30	1.30	1.53
1	26	151	ASN	CA-C	-25.30	1.30	1.53
1	3E	151	ASN	CA-C	-25.30	1.30	1.53
1	4A	151	ASN	CA-C	-25.30	1.30	1.53
1	4M	151	ASN	CA-C	-25.30	1.30	1.53
1	4U	151	ASN	CA-C	-25.30	1.30	1.53
1	5Q	151	ASN	CA-C	-25.30	1.30	1.53
1	6I	151	ASN	CA-C	-25.30	1.30	1.53
1	6Q	151	ASN	CA-C	-25.30	1.30	1.53
1	7M	151	ASN	CA-C	-25.30	1.30	1.53
1	1Q	151	ASN	CA-C	-25.29	1.30	1.53
1	1U	151	ASN	CA-C	-25.29	1.30	1.53
1	1Y	151	ASN	CA-C	-25.29	1.30	1.53
1	2Q	151	ASN	CA-C	-25.29	1.30	1.53
1	2U	151	ASN	CA-C	-25.29	1.30	1.53
1	2Y	151	ASN	CA-C	-25.29	1.30	1.53
1	42	151	ASN	CA-C	-25.29	1.30	1.53
1	46	151	ASN	CA-C	-25.29	1.30	1.53
1	5A	151	ASN	CA-C	-25.29	1.30	1.53
1	52	151	ASN	CA-C	-25.29	1.30	1.53
1	56	151	ASN	CA-C	-25.29	1.30	1.53
1	6A	151	ASN	CA-C	-25.29	1.30	1.53
1	1M	151	ASN	CA-C	-25.26	1.30	1.53
1	2I	151	ASN	CA-C	-25.26	1.30	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	151	ASN	CA-C	-25.26	1.30	1.53
1	3I	151	ASN	CA-C	-25.26	1.30	1.53
1	32	151	ASN	CA-C	-25.26	1.30	1.53
1	4E	151	ASN	CA-C	-25.26	1.30	1.53
1	4Y	151	ASN	CA-C	-25.26	1.30	1.53
1	5U	151	ASN	CA-C	-25.26	1.30	1.53
1	6M	151	ASN	CA-C	-25.26	1.30	1.53
1	6U	151	ASN	CA-C	-25.26	1.30	1.53
1	7E	151	ASN	CA-C	-25.26	1.30	1.53
1	7Q	151	ASN	CA-C	-25.26	1.30	1.53
1	1E	156	SER	CA-CB	-25.23	1.10	1.53
2	1N	71	ALA	C-O	-25.23	0.96	1.23
2	2J	71	ALA	C-O	-25.23	0.96	1.23
1	2M	156	SER	CA-CB	-25.23	1.10	1.53
1	22	156	SER	CA-CB	-25.23	1.10	1.53
2	3B	71	ALA	C-O	-25.23	0.96	1.23
2	3J	71	ALA	C-O	-25.23	0.96	1.23
1	3M	156	SER	CA-CB	-25.23	1.10	1.53
2	33	71	ALA	C-O	-25.23	0.96	1.23
1	36	156	SER	CA-CB	-25.23	1.10	1.53
2	4F	71	ALA	C-O	-25.23	0.96	1.23
1	4I	156	SER	CA-CB	-25.23	1.10	1.53
1	4Q	156	SER	CA-CB	-25.23	1.10	1.53
2	4Z	71	ALA	C-O	-25.23	0.96	1.23
2	5V	71	ALA	C-O	-25.23	0.96	1.23
1	5Y	156	SER	CA-CB	-25.23	1.10	1.53
1	6E	156	SER	CA-CB	-25.23	1.10	1.53
2	6N	71	ALA	C-O	-25.23	0.96	1.23
2	6V	71	ALA	C-O	-25.23	0.96	1.23
1	6Y	156	SER	CA-CB	-25.23	1.10	1.53
2	7F	71	ALA	C-O	-25.23	0.96	1.23
1	7I	156	SER	CA-CB	-25.23	1.10	1.53
2	7R	71	ALA	C-O	-25.23	0.96	1.23
1	7U	156	SER	CA-CB	-25.23	1.10	1.53
1	1Q	156	SER	CA-CB	-25.23	1.10	1.53
1	1U	156	SER	CA-CB	-25.23	1.10	1.53
1	1Y	156	SER	CA-CB	-25.23	1.10	1.53
2	13	71	ALA	C-O	-25.23	0.96	1.23
2	17	71	ALA	C-O	-25.23	0.96	1.23
2	2B	71	ALA	C-O	-25.23	0.96	1.23
1	2Q	156	SER	CA-CB	-25.23	1.10	1.53
1	2U	156	SER	CA-CB	-25.23	1.10	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2Y	156	SER	CA-CB	-25.23	1.10	1.53
2	3R	71	ALA	C-O	-25.23	0.96	1.23
2	3V	71	ALA	C-O	-25.23	0.96	1.23
2	3Z	71	ALA	C-O	-25.23	0.96	1.23
1	42	156	SER	CA-CB	-25.23	1.10	1.53
1	46	156	SER	CA-CB	-25.23	1.10	1.53
1	5A	156	SER	CA-CB	-25.23	1.10	1.53
2	5F	71	ALA	C-O	-25.23	0.96	1.23
2	5J	71	ALA	C-O	-25.23	0.96	1.23
2	5N	71	ALA	C-O	-25.23	0.96	1.23
1	52	156	SER	CA-CB	-25.23	1.10	1.53
1	56	156	SER	CA-CB	-25.23	1.10	1.53
1	6A	156	SER	CA-CB	-25.23	1.10	1.53
2	63	71	ALA	C-O	-25.23	0.96	1.23
2	67	71	ALA	C-O	-25.23	0.96	1.23
2	7B	71	ALA	C-O	-25.23	0.96	1.23
2	1B	71	ALA	C-O	-25.18	0.96	1.23
2	1J	71	ALA	C-O	-25.18	0.96	1.23
2	2F	71	ALA	C-O	-25.18	0.96	1.23
2	27	71	ALA	C-O	-25.18	0.96	1.23
2	3F	71	ALA	C-O	-25.18	0.96	1.23
2	4B	71	ALA	C-O	-25.18	0.96	1.23
2	4N	71	ALA	C-O	-25.18	0.96	1.23
2	4V	71	ALA	C-O	-25.18	0.96	1.23
2	5R	71	ALA	C-O	-25.18	0.96	1.23
2	6J	71	ALA	C-O	-25.18	0.96	1.23
2	6R	71	ALA	C-O	-25.18	0.96	1.23
2	7N	71	ALA	C-O	-25.18	0.96	1.23
1	1A	156	SER	CA-CB	-25.17	1.10	1.53
2	1B	223	ASP	CA-C	-25.17	1.18	1.53
1	1I	156	SER	CA-CB	-25.17	1.10	1.53
2	1J	223	ASP	CA-C	-25.17	1.18	1.53
2	1R	71	ALA	C-O	-25.17	0.96	1.23
2	1V	71	ALA	C-O	-25.17	0.96	1.23
2	1Z	71	ALA	C-O	-25.17	0.96	1.23
1	2E	156	SER	CA-CB	-25.17	1.10	1.53
2	2F	223	ASP	CA-C	-25.17	1.18	1.53
2	2R	71	ALA	C-O	-25.17	0.96	1.23
2	2V	71	ALA	C-O	-25.17	0.96	1.23
2	2Z	71	ALA	C-O	-25.17	0.96	1.23
1	26	156	SER	CA-CB	-25.17	1.10	1.53
2	27	223	ASP	CA-C	-25.17	1.18	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3E	156	SER	CA-CB	-25.17	1.10	1.53
2	3F	223	ASP	CA-C	-25.17	1.18	1.53
1	4A	156	SER	CA-CB	-25.17	1.10	1.53
2	4B	223	ASP	CA-C	-25.17	1.18	1.53
1	4M	156	SER	CA-CB	-25.17	1.10	1.53
2	4N	223	ASP	CA-C	-25.17	1.18	1.53
1	4U	156	SER	CA-CB	-25.17	1.10	1.53
2	4V	223	ASP	CA-C	-25.17	1.18	1.53
2	43	71	ALA	C-O	-25.17	0.96	1.23
2	47	71	ALA	C-O	-25.17	0.96	1.23
2	5B	71	ALA	C-O	-25.17	0.96	1.23
1	5Q	156	SER	CA-CB	-25.17	1.10	1.53
2	5R	223	ASP	CA-C	-25.17	1.18	1.53
2	53	71	ALA	C-O	-25.17	0.96	1.23
2	57	71	ALA	C-O	-25.17	0.96	1.23
2	6B	71	ALA	C-O	-25.17	0.96	1.23
1	6I	156	SER	CA-CB	-25.17	1.10	1.53
2	6J	223	ASP	CA-C	-25.17	1.18	1.53
1	6Q	156	SER	CA-CB	-25.17	1.10	1.53
2	6R	223	ASP	CA-C	-25.17	1.18	1.53
1	7M	156	SER	CA-CB	-25.17	1.10	1.53
2	7N	223	ASP	CA-C	-25.17	1.18	1.53
2	1F	71	ALA	C-O	-25.16	0.96	1.23
2	2N	71	ALA	C-O	-25.16	0.96	1.23
2	23	71	ALA	C-O	-25.16	0.96	1.23
2	3N	71	ALA	C-O	-25.16	0.96	1.23
2	37	71	ALA	C-O	-25.16	0.96	1.23
2	4J	71	ALA	C-O	-25.16	0.96	1.23
2	4R	71	ALA	C-O	-25.16	0.96	1.23
2	5Z	71	ALA	C-O	-25.16	0.96	1.23
2	6F	71	ALA	C-O	-25.16	0.96	1.23
2	6Z	71	ALA	C-O	-25.16	0.96	1.23
2	7J	71	ALA	C-O	-25.16	0.96	1.23
2	7V	71	ALA	C-O	-25.16	0.96	1.23
1	12	156	SER	CA-CB	-25.15	1.10	1.53
1	16	156	SER	CA-CB	-25.15	1.10	1.53
1	2A	156	SER	CA-CB	-25.15	1.10	1.53
1	3Q	156	SER	CA-CB	-25.15	1.10	1.53
1	3U	156	SER	CA-CB	-25.15	1.10	1.53
1	3Y	156	SER	CA-CB	-25.15	1.10	1.53
1	5E	156	SER	CA-CB	-25.15	1.10	1.53
1	5I	156	SER	CA-CB	-25.15	1.10	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	156	SER	CA-CB	-25.15	1.10	1.53
1	62	156	SER	CA-CB	-25.15	1.10	1.53
1	66	156	SER	CA-CB	-25.15	1.10	1.53
1	7A	156	SER	CA-CB	-25.15	1.10	1.53
1	1M	156	SER	CA-CB	-25.15	1.10	1.53
2	1R	223	ASP	CA-C	-25.15	1.18	1.53
2	1V	223	ASP	CA-C	-25.15	1.18	1.53
2	1Z	223	ASP	CA-C	-25.15	1.18	1.53
1	2I	156	SER	CA-CB	-25.15	1.10	1.53
2	2R	223	ASP	CA-C	-25.15	1.18	1.53
2	2V	223	ASP	CA-C	-25.15	1.18	1.53
2	2Z	223	ASP	CA-C	-25.15	1.18	1.53
1	3A	156	SER	CA-CB	-25.15	1.10	1.53
1	3I	156	SER	CA-CB	-25.15	1.10	1.53
1	32	156	SER	CA-CB	-25.15	1.10	1.53
1	4E	156	SER	CA-CB	-25.15	1.10	1.53
1	4Y	156	SER	CA-CB	-25.15	1.10	1.53
2	43	223	ASP	CA-C	-25.15	1.18	1.53
2	47	223	ASP	CA-C	-25.15	1.18	1.53
2	5B	223	ASP	CA-C	-25.15	1.18	1.53
1	5U	156	SER	CA-CB	-25.15	1.10	1.53
2	53	223	ASP	CA-C	-25.15	1.18	1.53
2	57	223	ASP	CA-C	-25.15	1.18	1.53
2	6B	223	ASP	CA-C	-25.15	1.18	1.53
1	6M	156	SER	CA-CB	-25.15	1.10	1.53
1	6U	156	SER	CA-CB	-25.15	1.10	1.53
1	7E	156	SER	CA-CB	-25.15	1.10	1.53
1	7Q	156	SER	CA-CB	-25.15	1.10	1.53
2	13	223	ASP	CA-C	-25.15	1.18	1.53
2	17	223	ASP	CA-C	-25.15	1.18	1.53
2	2B	223	ASP	CA-C	-25.15	1.18	1.53
2	3R	223	ASP	CA-C	-25.15	1.18	1.53
2	3V	223	ASP	CA-C	-25.15	1.18	1.53
2	3Z	223	ASP	CA-C	-25.15	1.18	1.53
2	5F	223	ASP	CA-C	-25.15	1.18	1.53
2	5J	223	ASP	CA-C	-25.15	1.18	1.53
2	5N	223	ASP	CA-C	-25.15	1.18	1.53
2	63	223	ASP	CA-C	-25.15	1.18	1.53
2	67	223	ASP	CA-C	-25.15	1.18	1.53
2	7B	223	ASP	CA-C	-25.15	1.18	1.53
2	1F	223	ASP	CA-C	-25.14	1.18	1.53
2	2N	223	ASP	CA-C	-25.14	1.18	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	223	ASP	CA-C	-25.14	1.18	1.53
2	3N	223	ASP	CA-C	-25.14	1.18	1.53
2	37	223	ASP	CA-C	-25.14	1.18	1.53
2	4J	223	ASP	CA-C	-25.14	1.18	1.53
2	4R	223	ASP	CA-C	-25.14	1.18	1.53
2	5Z	223	ASP	CA-C	-25.14	1.18	1.53
2	6F	223	ASP	CA-C	-25.14	1.18	1.53
2	6Z	223	ASP	CA-C	-25.14	1.18	1.53
2	7J	223	ASP	CA-C	-25.14	1.18	1.53
2	7V	223	ASP	CA-C	-25.14	1.18	1.53
2	1N	223	ASP	CA-C	-25.14	1.18	1.53
2	2J	223	ASP	CA-C	-25.14	1.18	1.53
2	3B	223	ASP	CA-C	-25.14	1.18	1.53
2	3J	223	ASP	CA-C	-25.14	1.18	1.53
2	33	223	ASP	CA-C	-25.14	1.18	1.53
2	4F	223	ASP	CA-C	-25.14	1.18	1.53
2	4Z	223	ASP	CA-C	-25.14	1.18	1.53
2	5V	223	ASP	CA-C	-25.14	1.18	1.53
2	6N	223	ASP	CA-C	-25.14	1.18	1.53
2	6V	223	ASP	CA-C	-25.14	1.18	1.53
2	7F	223	ASP	CA-C	-25.14	1.18	1.53
2	7R	223	ASP	CA-C	-25.14	1.18	1.53
2	1N	36	SER	CB-OG	25.09	1.92	1.42
2	1R	36	SER	CB-OG	25.09	1.92	1.42
2	1V	36	SER	CB-OG	25.09	1.92	1.42
2	1Z	36	SER	CB-OG	25.09	1.92	1.42
2	2J	36	SER	CB-OG	25.09	1.92	1.42
2	2R	36	SER	CB-OG	25.09	1.92	1.42
2	2V	36	SER	CB-OG	25.09	1.92	1.42
2	2Z	36	SER	CB-OG	25.09	1.92	1.42
2	3B	36	SER	CB-OG	25.09	1.92	1.42
2	3J	36	SER	CB-OG	25.09	1.92	1.42
2	33	36	SER	CB-OG	25.09	1.92	1.42
2	4F	36	SER	CB-OG	25.09	1.92	1.42
2	4Z	36	SER	CB-OG	25.09	1.92	1.42
2	43	36	SER	CB-OG	25.09	1.92	1.42
2	47	36	SER	CB-OG	25.09	1.92	1.42
2	5B	36	SER	CB-OG	25.09	1.92	1.42
2	5V	36	SER	CB-OG	25.09	1.92	1.42
2	53	36	SER	CB-OG	25.09	1.92	1.42
2	57	36	SER	CB-OG	25.09	1.92	1.42
2	6B	36	SER	CB-OG	25.09	1.92	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	36	SER	CB-OG	25.09	1.92	1.42
2	6V	36	SER	CB-OG	25.09	1.92	1.42
2	7F	36	SER	CB-OG	25.09	1.92	1.42
2	7R	36	SER	CB-OG	25.09	1.92	1.42
2	1F	36	SER	CB-OG	25.09	1.92	1.42
2	2N	36	SER	CB-OG	25.09	1.92	1.42
2	23	36	SER	CB-OG	25.09	1.92	1.42
2	3N	36	SER	CB-OG	25.09	1.92	1.42
2	37	36	SER	CB-OG	25.09	1.92	1.42
2	4J	36	SER	CB-OG	25.09	1.92	1.42
2	4R	36	SER	CB-OG	25.09	1.92	1.42
2	5Z	36	SER	CB-OG	25.09	1.92	1.42
2	6F	36	SER	CB-OG	25.09	1.92	1.42
2	6Z	36	SER	CB-OG	25.09	1.92	1.42
2	7J	36	SER	CB-OG	25.09	1.92	1.42
2	7V	36	SER	CB-OG	25.09	1.92	1.42
2	13	36	SER	CB-OG	25.08	1.92	1.42
2	17	36	SER	CB-OG	25.08	1.92	1.42
2	2B	36	SER	CB-OG	25.08	1.92	1.42
2	3R	36	SER	CB-OG	25.08	1.92	1.42
2	3V	36	SER	CB-OG	25.08	1.92	1.42
2	3Z	36	SER	CB-OG	25.08	1.92	1.42
2	5F	36	SER	CB-OG	25.08	1.92	1.42
2	5J	36	SER	CB-OG	25.08	1.92	1.42
2	5N	36	SER	CB-OG	25.08	1.92	1.42
2	63	36	SER	CB-OG	25.08	1.92	1.42
2	67	36	SER	CB-OG	25.08	1.92	1.42
2	7B	36	SER	CB-OG	25.08	1.92	1.42
2	1B	36	SER	CB-OG	25.08	1.92	1.42
2	1J	36	SER	CB-OG	25.08	1.92	1.42
2	2F	36	SER	CB-OG	25.08	1.92	1.42
2	27	36	SER	CB-OG	25.08	1.92	1.42
2	3F	36	SER	CB-OG	25.08	1.92	1.42
2	4B	36	SER	CB-OG	25.08	1.92	1.42
2	4N	36	SER	CB-OG	25.08	1.92	1.42
2	4V	36	SER	CB-OG	25.08	1.92	1.42
2	5R	36	SER	CB-OG	25.08	1.92	1.42
2	6J	36	SER	CB-OG	25.08	1.92	1.42
2	6R	36	SER	CB-OG	25.08	1.92	1.42
2	7N	36	SER	CB-OG	25.08	1.92	1.42
2	1N	222	GLN	C-N	-25.07	0.98	1.33
2	2J	222	GLN	C-N	-25.07	0.98	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	222	GLN	C-N	-25.07	0.98	1.33
2	3J	222	GLN	C-N	-25.07	0.98	1.33
2	33	222	GLN	C-N	-25.07	0.98	1.33
2	4F	222	GLN	C-N	-25.07	0.98	1.33
2	4Z	222	GLN	C-N	-25.07	0.98	1.33
2	5V	222	GLN	C-N	-25.07	0.98	1.33
2	6N	222	GLN	C-N	-25.07	0.98	1.33
2	6V	222	GLN	C-N	-25.07	0.98	1.33
2	7F	222	GLN	C-N	-25.07	0.98	1.33
2	7R	222	GLN	C-N	-25.07	0.98	1.33
2	1B	222	GLN	C-N	-25.07	0.98	1.33
2	1J	222	GLN	C-N	-25.07	0.98	1.33
2	2F	222	GLN	C-N	-25.07	0.98	1.33
2	27	222	GLN	C-N	-25.07	0.98	1.33
2	3F	222	GLN	C-N	-25.07	0.98	1.33
2	4B	222	GLN	C-N	-25.07	0.98	1.33
2	4N	222	GLN	C-N	-25.07	0.98	1.33
2	4V	222	GLN	C-N	-25.07	0.98	1.33
2	5R	222	GLN	C-N	-25.07	0.98	1.33
2	6J	222	GLN	C-N	-25.07	0.98	1.33
2	6R	222	GLN	C-N	-25.07	0.98	1.33
2	7N	222	GLN	C-N	-25.07	0.98	1.33
2	1F	222	GLN	C-N	-25.06	0.98	1.33
2	2N	222	GLN	C-N	-25.06	0.98	1.33
2	23	222	GLN	C-N	-25.06	0.98	1.33
2	3N	222	GLN	C-N	-25.06	0.98	1.33
2	37	222	GLN	C-N	-25.06	0.98	1.33
2	4J	222	GLN	C-N	-25.06	0.98	1.33
2	4R	222	GLN	C-N	-25.06	0.98	1.33
2	5Z	222	GLN	C-N	-25.06	0.98	1.33
2	6F	222	GLN	C-N	-25.06	0.98	1.33
2	6Z	222	GLN	C-N	-25.06	0.98	1.33
2	7J	222	GLN	C-N	-25.06	0.98	1.33
2	7V	222	GLN	C-N	-25.06	0.98	1.33
2	13	222	GLN	C-N	-25.05	0.98	1.33
2	17	222	GLN	C-N	-25.05	0.98	1.33
2	2B	222	GLN	C-N	-25.05	0.98	1.33
2	3R	222	GLN	C-N	-25.05	0.98	1.33
2	3V	222	GLN	C-N	-25.05	0.98	1.33
2	3Z	222	GLN	C-N	-25.05	0.98	1.33
2	5F	222	GLN	C-N	-25.05	0.98	1.33
2	5J	222	GLN	C-N	-25.05	0.98	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	222	GLN	C-N	-25.05	0.98	1.33
2	63	222	GLN	C-N	-25.05	0.98	1.33
2	67	222	GLN	C-N	-25.05	0.98	1.33
2	7B	222	GLN	C-N	-25.05	0.98	1.33
2	1R	222	GLN	C-N	-25.04	0.98	1.33
2	1V	222	GLN	C-N	-25.04	0.98	1.33
2	1Z	222	GLN	C-N	-25.04	0.98	1.33
2	2R	222	GLN	C-N	-25.04	0.98	1.33
2	2V	222	GLN	C-N	-25.04	0.98	1.33
2	2Z	222	GLN	C-N	-25.04	0.98	1.33
2	43	222	GLN	C-N	-25.04	0.98	1.33
2	47	222	GLN	C-N	-25.04	0.98	1.33
2	5B	222	GLN	C-N	-25.04	0.98	1.33
2	53	222	GLN	C-N	-25.04	0.98	1.33
2	57	222	GLN	C-N	-25.04	0.98	1.33
2	6B	222	GLN	C-N	-25.04	0.98	1.33
2	1F	74	TYR	C-O	-25.04	0.93	1.23
2	2N	74	TYR	C-O	-25.04	0.93	1.23
2	23	74	TYR	C-O	-25.04	0.93	1.23
2	3N	74	TYR	C-O	-25.04	0.93	1.23
2	37	74	TYR	C-O	-25.04	0.93	1.23
2	4J	74	TYR	C-O	-25.04	0.93	1.23
2	4R	74	TYR	C-O	-25.04	0.93	1.23
2	5Z	74	TYR	C-O	-25.04	0.93	1.23
2	6F	74	TYR	C-O	-25.04	0.93	1.23
2	6Z	74	TYR	C-O	-25.04	0.93	1.23
2	7J	74	TYR	C-O	-25.04	0.93	1.23
2	7V	74	TYR	C-O	-25.04	0.93	1.23
2	13	74	TYR	C-O	-25.03	0.93	1.23
2	17	74	TYR	C-O	-25.03	0.93	1.23
2	2B	74	TYR	C-O	-25.03	0.93	1.23
2	3R	74	TYR	C-O	-25.03	0.93	1.23
2	3V	74	TYR	C-O	-25.03	0.93	1.23
2	3Z	74	TYR	C-O	-25.03	0.93	1.23
2	5F	74	TYR	C-O	-25.03	0.93	1.23
2	5J	74	TYR	C-O	-25.03	0.93	1.23
2	5N	74	TYR	C-O	-25.03	0.93	1.23
2	63	74	TYR	C-O	-25.03	0.93	1.23
2	67	74	TYR	C-O	-25.03	0.93	1.23
2	7B	74	TYR	C-O	-25.03	0.93	1.23
2	1B	74	TYR	C-O	-25.02	0.93	1.23
2	1J	74	TYR	C-O	-25.02	0.93	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	74	TYR	C-O	-25.02	0.93	1.23
2	27	74	TYR	C-O	-25.02	0.93	1.23
2	3F	74	TYR	C-O	-25.02	0.93	1.23
2	4B	74	TYR	C-O	-25.02	0.93	1.23
2	4N	74	TYR	C-O	-25.02	0.93	1.23
2	4V	74	TYR	C-O	-25.02	0.93	1.23
2	5R	74	TYR	C-O	-25.02	0.93	1.23
2	6J	74	TYR	C-O	-25.02	0.93	1.23
2	6R	74	TYR	C-O	-25.02	0.93	1.23
2	7N	74	TYR	C-O	-25.02	0.93	1.23
1	1A	48	TYR	C-N	24.98	1.66	1.33
1	1E	48	TYR	C-N	24.98	1.66	1.33
1	1I	48	TYR	C-N	24.98	1.66	1.33
1	1M	48	TYR	C-N	24.98	1.66	1.33
1	2E	48	TYR	C-N	24.98	1.66	1.33
1	2I	48	TYR	C-N	24.98	1.66	1.33
1	2M	48	TYR	C-N	24.98	1.66	1.33
1	22	48	TYR	C-N	24.98	1.66	1.33
1	26	48	TYR	C-N	24.98	1.66	1.33
1	3A	48	TYR	C-N	24.98	1.66	1.33
1	3E	48	TYR	C-N	24.98	1.66	1.33
1	3I	48	TYR	C-N	24.98	1.66	1.33
1	3M	48	TYR	C-N	24.98	1.66	1.33
1	32	48	TYR	C-N	24.98	1.66	1.33
1	36	48	TYR	C-N	24.98	1.66	1.33
1	4A	48	TYR	C-N	24.98	1.66	1.33
1	4E	48	TYR	C-N	24.98	1.66	1.33
1	4I	48	TYR	C-N	24.98	1.66	1.33
1	4M	48	TYR	C-N	24.98	1.66	1.33
1	4Q	48	TYR	C-N	24.98	1.66	1.33
1	4U	48	TYR	C-N	24.98	1.66	1.33
1	4Y	48	TYR	C-N	24.98	1.66	1.33
1	5Q	48	TYR	C-N	24.98	1.66	1.33
1	5U	48	TYR	C-N	24.98	1.66	1.33
1	5Y	48	TYR	C-N	24.98	1.66	1.33
1	6E	48	TYR	C-N	24.98	1.66	1.33
1	6I	48	TYR	C-N	24.98	1.66	1.33
1	6M	48	TYR	C-N	24.98	1.66	1.33
1	6Q	48	TYR	C-N	24.98	1.66	1.33
1	6U	48	TYR	C-N	24.98	1.66	1.33
1	6Y	48	TYR	C-N	24.98	1.66	1.33
1	7E	48	TYR	C-N	24.98	1.66	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7I	48	TYR	C-N	24.98	1.66	1.33
1	7M	48	TYR	C-N	24.98	1.66	1.33
1	7Q	48	TYR	C-N	24.98	1.66	1.33
1	7U	48	TYR	C-N	24.98	1.66	1.33
1	12	48	TYR	C-N	24.98	1.66	1.33
1	16	48	TYR	C-N	24.98	1.66	1.33
1	2A	48	TYR	C-N	24.98	1.66	1.33
1	3Q	48	TYR	C-N	24.98	1.66	1.33
1	3U	48	TYR	C-N	24.98	1.66	1.33
1	3Y	48	TYR	C-N	24.98	1.66	1.33
1	5E	48	TYR	C-N	24.98	1.66	1.33
1	5I	48	TYR	C-N	24.98	1.66	1.33
1	5M	48	TYR	C-N	24.98	1.66	1.33
1	62	48	TYR	C-N	24.98	1.66	1.33
1	66	48	TYR	C-N	24.98	1.66	1.33
1	7A	48	TYR	C-N	24.98	1.66	1.33
2	1R	74	TYR	C-O	-24.98	0.93	1.23
2	1V	74	TYR	C-O	-24.98	0.93	1.23
2	1Z	74	TYR	C-O	-24.98	0.93	1.23
2	2R	74	TYR	C-O	-24.98	0.93	1.23
2	2V	74	TYR	C-O	-24.98	0.93	1.23
2	2Z	74	TYR	C-O	-24.98	0.93	1.23
2	43	74	TYR	C-O	-24.98	0.93	1.23
2	47	74	TYR	C-O	-24.98	0.93	1.23
2	5B	74	TYR	C-O	-24.98	0.93	1.23
2	53	74	TYR	C-O	-24.98	0.93	1.23
2	57	74	TYR	C-O	-24.98	0.93	1.23
2	6B	74	TYR	C-O	-24.98	0.93	1.23
2	1N	74	TYR	C-O	-24.96	0.93	1.23
2	2J	74	TYR	C-O	-24.96	0.93	1.23
2	3B	74	TYR	C-O	-24.96	0.93	1.23
2	3J	74	TYR	C-O	-24.96	0.93	1.23
2	33	74	TYR	C-O	-24.96	0.93	1.23
2	4F	74	TYR	C-O	-24.96	0.93	1.23
2	4Z	74	TYR	C-O	-24.96	0.93	1.23
2	5V	74	TYR	C-O	-24.96	0.93	1.23
2	6N	74	TYR	C-O	-24.96	0.93	1.23
2	6V	74	TYR	C-O	-24.96	0.93	1.23
2	7F	74	TYR	C-O	-24.96	0.93	1.23
2	7R	74	TYR	C-O	-24.96	0.93	1.23
1	1Q	48	TYR	C-N	24.95	1.66	1.33
1	1U	48	TYR	C-N	24.95	1.66	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	48	TYR	C-N	24.95	1.66	1.33
1	2Q	48	TYR	C-N	24.95	1.66	1.33
1	2U	48	TYR	C-N	24.95	1.66	1.33
1	2Y	48	TYR	C-N	24.95	1.66	1.33
1	42	48	TYR	C-N	24.95	1.66	1.33
1	46	48	TYR	C-N	24.95	1.66	1.33
1	5A	48	TYR	C-N	24.95	1.66	1.33
1	52	48	TYR	C-N	24.95	1.66	1.33
1	56	48	TYR	C-N	24.95	1.66	1.33
1	6A	48	TYR	C-N	24.95	1.66	1.33
1	12	36	THR	CB-OG1	24.94	1.83	1.43
1	16	36	THR	CB-OG1	24.94	1.83	1.43
1	2A	36	THR	CB-OG1	24.94	1.83	1.43
1	3Q	36	THR	CB-OG1	24.94	1.83	1.43
1	3U	36	THR	CB-OG1	24.94	1.83	1.43
1	3Y	36	THR	CB-OG1	24.94	1.83	1.43
1	5E	36	THR	CB-OG1	24.94	1.83	1.43
1	5I	36	THR	CB-OG1	24.94	1.83	1.43
1	5M	36	THR	CB-OG1	24.94	1.83	1.43
1	62	36	THR	CB-OG1	24.94	1.83	1.43
1	66	36	THR	CB-OG1	24.94	1.83	1.43
1	7A	36	THR	CB-OG1	24.94	1.83	1.43
1	1M	22	HIS	CG-CD2	-24.93	1.08	1.35
1	2I	22	HIS	CG-CD2	-24.93	1.08	1.35
1	3A	22	HIS	CG-CD2	-24.93	1.08	1.35
1	3I	22	HIS	CG-CD2	-24.93	1.08	1.35
1	32	22	HIS	CG-CD2	-24.93	1.08	1.35
1	4E	22	HIS	CG-CD2	-24.93	1.08	1.35
1	4Y	22	HIS	CG-CD2	-24.93	1.08	1.35
1	5U	22	HIS	CG-CD2	-24.93	1.08	1.35
1	6M	22	HIS	CG-CD2	-24.93	1.08	1.35
1	6U	22	HIS	CG-CD2	-24.93	1.08	1.35
1	7E	22	HIS	CG-CD2	-24.93	1.08	1.35
1	7Q	22	HIS	CG-CD2	-24.93	1.08	1.35
1	1M	36	THR	CB-OG1	24.93	1.83	1.43
1	2I	36	THR	CB-OG1	24.93	1.83	1.43
1	3A	36	THR	CB-OG1	24.93	1.83	1.43
1	3I	36	THR	CB-OG1	24.93	1.83	1.43
1	32	36	THR	CB-OG1	24.93	1.83	1.43
1	4E	36	THR	CB-OG1	24.93	1.83	1.43
1	4Y	36	THR	CB-OG1	24.93	1.83	1.43
1	5U	36	THR	CB-OG1	24.93	1.83	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	36	THR	CB-OG1	24.93	1.83	1.43
1	6U	36	THR	CB-OG1	24.93	1.83	1.43
1	7E	36	THR	CB-OG1	24.93	1.83	1.43
1	7Q	36	THR	CB-OG1	24.93	1.83	1.43
1	1A	36	THR	CB-OG1	24.91	1.83	1.43
1	1I	36	THR	CB-OG1	24.91	1.83	1.43
1	2E	36	THR	CB-OG1	24.91	1.83	1.43
1	26	36	THR	CB-OG1	24.91	1.83	1.43
1	3E	36	THR	CB-OG1	24.91	1.83	1.43
1	4A	36	THR	CB-OG1	24.91	1.83	1.43
1	4M	36	THR	CB-OG1	24.91	1.83	1.43
1	4U	36	THR	CB-OG1	24.91	1.83	1.43
1	5Q	36	THR	CB-OG1	24.91	1.83	1.43
1	6I	36	THR	CB-OG1	24.91	1.83	1.43
1	6Q	36	THR	CB-OG1	24.91	1.83	1.43
1	7M	36	THR	CB-OG1	24.91	1.83	1.43
2	1N	24	PRO	C-N	24.91	1.68	1.33
1	1Q	36	THR	CB-OG1	24.91	1.83	1.43
1	1U	36	THR	CB-OG1	24.91	1.83	1.43
1	1Y	36	THR	CB-OG1	24.91	1.83	1.43
2	2J	24	PRO	C-N	24.91	1.68	1.33
1	2Q	36	THR	CB-OG1	24.91	1.83	1.43
1	2U	36	THR	CB-OG1	24.91	1.83	1.43
1	2Y	36	THR	CB-OG1	24.91	1.83	1.43
2	3B	24	PRO	C-N	24.91	1.68	1.33
2	3J	24	PRO	C-N	24.91	1.68	1.33
2	33	24	PRO	C-N	24.91	1.68	1.33
2	4F	24	PRO	C-N	24.91	1.68	1.33
2	4Z	24	PRO	C-N	24.91	1.68	1.33
1	42	36	THR	CB-OG1	24.91	1.83	1.43
1	46	36	THR	CB-OG1	24.91	1.83	1.43
1	5A	36	THR	CB-OG1	24.91	1.83	1.43
2	5V	24	PRO	C-N	24.91	1.68	1.33
1	52	36	THR	CB-OG1	24.91	1.83	1.43
1	56	36	THR	CB-OG1	24.91	1.83	1.43
1	6A	36	THR	CB-OG1	24.91	1.83	1.43
2	6N	24	PRO	C-N	24.91	1.68	1.33
2	6V	24	PRO	C-N	24.91	1.68	1.33
2	7F	24	PRO	C-N	24.91	1.68	1.33
2	7R	24	PRO	C-N	24.91	1.68	1.33
1	1E	22	HIS	CG-CD2	-24.90	1.08	1.35
1	2M	22	HIS	CG-CD2	-24.90	1.08	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	22	HIS	CG-CD2	-24.90	1.08	1.35
1	3M	22	HIS	CG-CD2	-24.90	1.08	1.35
1	36	22	HIS	CG-CD2	-24.90	1.08	1.35
1	4I	22	HIS	CG-CD2	-24.90	1.08	1.35
1	4Q	22	HIS	CG-CD2	-24.90	1.08	1.35
1	5Y	22	HIS	CG-CD2	-24.90	1.08	1.35
1	6E	22	HIS	CG-CD2	-24.90	1.08	1.35
1	6Y	22	HIS	CG-CD2	-24.90	1.08	1.35
1	7I	22	HIS	CG-CD2	-24.90	1.08	1.35
1	7U	22	HIS	CG-CD2	-24.90	1.08	1.35
2	13	24	PRO	C-N	24.90	1.68	1.33
2	17	24	PRO	C-N	24.90	1.68	1.33
2	2B	24	PRO	C-N	24.90	1.68	1.33
2	3R	24	PRO	C-N	24.90	1.68	1.33
2	3V	24	PRO	C-N	24.90	1.68	1.33
2	3Z	24	PRO	C-N	24.90	1.68	1.33
2	5F	24	PRO	C-N	24.90	1.68	1.33
2	5J	24	PRO	C-N	24.90	1.68	1.33
2	5N	24	PRO	C-N	24.90	1.68	1.33
2	63	24	PRO	C-N	24.90	1.68	1.33
2	67	24	PRO	C-N	24.90	1.68	1.33
2	7B	24	PRO	C-N	24.90	1.68	1.33
2	1R	24	PRO	C-N	24.90	1.68	1.33
2	1V	24	PRO	C-N	24.90	1.68	1.33
2	1Z	24	PRO	C-N	24.90	1.68	1.33
2	2R	24	PRO	C-N	24.90	1.68	1.33
2	2V	24	PRO	C-N	24.90	1.68	1.33
2	2Z	24	PRO	C-N	24.90	1.68	1.33
2	43	24	PRO	C-N	24.90	1.68	1.33
2	47	24	PRO	C-N	24.90	1.68	1.33
2	5B	24	PRO	C-N	24.90	1.68	1.33
2	53	24	PRO	C-N	24.90	1.68	1.33
2	57	24	PRO	C-N	24.90	1.68	1.33
2	6B	24	PRO	C-N	24.90	1.68	1.33
2	1B	24	PRO	C-N	24.89	1.68	1.33
2	1J	24	PRO	C-N	24.89	1.68	1.33
2	2F	24	PRO	C-N	24.89	1.68	1.33
2	27	24	PRO	C-N	24.89	1.68	1.33
2	3F	24	PRO	C-N	24.89	1.68	1.33
2	4B	24	PRO	C-N	24.89	1.68	1.33
2	4N	24	PRO	C-N	24.89	1.68	1.33
2	4V	24	PRO	C-N	24.89	1.68	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	24	PRO	C-N	24.89	1.68	1.33
2	6J	24	PRO	C-N	24.89	1.68	1.33
2	6R	24	PRO	C-N	24.89	1.68	1.33
2	7N	24	PRO	C-N	24.89	1.68	1.33
1	1E	36	THR	CB-OG1	24.88	1.83	1.43
1	2M	36	THR	CB-OG1	24.88	1.83	1.43
1	22	36	THR	CB-OG1	24.88	1.83	1.43
1	3M	36	THR	CB-OG1	24.88	1.83	1.43
1	36	36	THR	CB-OG1	24.88	1.83	1.43
1	4I	36	THR	CB-OG1	24.88	1.83	1.43
1	4Q	36	THR	CB-OG1	24.88	1.83	1.43
1	5Y	36	THR	CB-OG1	24.88	1.83	1.43
1	6E	36	THR	CB-OG1	24.88	1.83	1.43
1	6Y	36	THR	CB-OG1	24.88	1.83	1.43
1	7I	36	THR	CB-OG1	24.88	1.83	1.43
1	7U	36	THR	CB-OG1	24.88	1.83	1.43
1	1Q	22	HIS	CG-CD2	-24.87	1.08	1.35
1	1U	22	HIS	CG-CD2	-24.87	1.08	1.35
1	1Y	22	HIS	CG-CD2	-24.87	1.08	1.35
1	2Q	22	HIS	CG-CD2	-24.87	1.08	1.35
1	2U	22	HIS	CG-CD2	-24.87	1.08	1.35
1	2Y	22	HIS	CG-CD2	-24.87	1.08	1.35
1	42	22	HIS	CG-CD2	-24.87	1.08	1.35
1	46	22	HIS	CG-CD2	-24.87	1.08	1.35
1	5A	22	HIS	CG-CD2	-24.87	1.08	1.35
1	52	22	HIS	CG-CD2	-24.87	1.08	1.35
1	56	22	HIS	CG-CD2	-24.87	1.08	1.35
1	6A	22	HIS	CG-CD2	-24.87	1.08	1.35
2	1F	24	PRO	C-N	24.86	1.68	1.33
2	2N	24	PRO	C-N	24.86	1.68	1.33
2	23	24	PRO	C-N	24.86	1.68	1.33
2	3N	24	PRO	C-N	24.86	1.68	1.33
2	37	24	PRO	C-N	24.86	1.68	1.33
2	4J	24	PRO	C-N	24.86	1.68	1.33
2	4R	24	PRO	C-N	24.86	1.68	1.33
2	5Z	24	PRO	C-N	24.86	1.68	1.33
2	6F	24	PRO	C-N	24.86	1.68	1.33
2	6Z	24	PRO	C-N	24.86	1.68	1.33
2	7J	24	PRO	C-N	24.86	1.68	1.33
2	7V	24	PRO	C-N	24.86	1.68	1.33
1	1A	22	HIS	CG-CD2	-24.85	1.08	1.35
1	1I	22	HIS	CG-CD2	-24.85	1.08	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	22	HIS	CG-CD2	-24.85	1.08	1.35
1	26	22	HIS	CG-CD2	-24.85	1.08	1.35
1	3E	22	HIS	CG-CD2	-24.85	1.08	1.35
1	4A	22	HIS	CG-CD2	-24.85	1.08	1.35
1	4M	22	HIS	CG-CD2	-24.85	1.08	1.35
1	4U	22	HIS	CG-CD2	-24.85	1.08	1.35
1	5Q	22	HIS	CG-CD2	-24.85	1.08	1.35
1	6I	22	HIS	CG-CD2	-24.85	1.08	1.35
1	6Q	22	HIS	CG-CD2	-24.85	1.08	1.35
1	7M	22	HIS	CG-CD2	-24.85	1.08	1.35
2	13	30	PRO	CA-C	24.85	1.87	1.52
2	17	30	PRO	CA-C	24.85	1.87	1.52
2	2B	30	PRO	CA-C	24.85	1.87	1.52
2	3R	30	PRO	CA-C	24.85	1.87	1.52
2	3V	30	PRO	CA-C	24.85	1.87	1.52
2	3Z	30	PRO	CA-C	24.85	1.87	1.52
2	5F	30	PRO	CA-C	24.85	1.87	1.52
2	5J	30	PRO	CA-C	24.85	1.87	1.52
2	5N	30	PRO	CA-C	24.85	1.87	1.52
2	63	30	PRO	CA-C	24.85	1.87	1.52
2	67	30	PRO	CA-C	24.85	1.87	1.52
2	7B	30	PRO	CA-C	24.85	1.87	1.52
2	1B	30	PRO	CA-C	24.80	1.87	1.52
2	1J	30	PRO	CA-C	24.80	1.87	1.52
2	2F	30	PRO	CA-C	24.80	1.87	1.52
2	27	30	PRO	CA-C	24.80	1.87	1.52
2	3F	30	PRO	CA-C	24.80	1.87	1.52
2	4B	30	PRO	CA-C	24.80	1.87	1.52
2	4N	30	PRO	CA-C	24.80	1.87	1.52
2	4V	30	PRO	CA-C	24.80	1.87	1.52
2	5R	30	PRO	CA-C	24.80	1.87	1.52
2	6J	30	PRO	CA-C	24.80	1.87	1.52
2	6R	30	PRO	CA-C	24.80	1.87	1.52
2	7N	30	PRO	CA-C	24.80	1.87	1.52
2	1N	30	PRO	CA-C	24.80	1.87	1.52
2	2J	30	PRO	CA-C	24.80	1.87	1.52
2	3B	30	PRO	CA-C	24.80	1.87	1.52
2	3J	30	PRO	CA-C	24.80	1.87	1.52
2	33	30	PRO	CA-C	24.80	1.87	1.52
2	4F	30	PRO	CA-C	24.80	1.87	1.52
2	4Z	30	PRO	CA-C	24.80	1.87	1.52
2	5V	30	PRO	CA-C	24.80	1.87	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	30	PRO	CA-C	24.80	1.87	1.52
2	6V	30	PRO	CA-C	24.80	1.87	1.52
2	7F	30	PRO	CA-C	24.80	1.87	1.52
2	7R	30	PRO	CA-C	24.80	1.87	1.52
1	12	22	HIS	CG-CD2	-24.79	1.08	1.35
1	16	22	HIS	CG-CD2	-24.79	1.08	1.35
1	2A	22	HIS	CG-CD2	-24.79	1.08	1.35
1	3Q	22	HIS	CG-CD2	-24.79	1.08	1.35
1	3U	22	HIS	CG-CD2	-24.79	1.08	1.35
1	3Y	22	HIS	CG-CD2	-24.79	1.08	1.35
1	5E	22	HIS	CG-CD2	-24.79	1.08	1.35
1	5I	22	HIS	CG-CD2	-24.79	1.08	1.35
1	5M	22	HIS	CG-CD2	-24.79	1.08	1.35
1	62	22	HIS	CG-CD2	-24.79	1.08	1.35
1	66	22	HIS	CG-CD2	-24.79	1.08	1.35
1	7A	22	HIS	CG-CD2	-24.79	1.08	1.35
2	1R	30	PRO	CA-C	24.77	1.87	1.52
2	1V	30	PRO	CA-C	24.77	1.87	1.52
2	1Z	30	PRO	CA-C	24.77	1.87	1.52
2	2R	30	PRO	CA-C	24.77	1.87	1.52
2	2V	30	PRO	CA-C	24.77	1.87	1.52
2	2Z	30	PRO	CA-C	24.77	1.87	1.52
2	43	30	PRO	CA-C	24.77	1.87	1.52
2	47	30	PRO	CA-C	24.77	1.87	1.52
2	5B	30	PRO	CA-C	24.77	1.87	1.52
2	53	30	PRO	CA-C	24.77	1.87	1.52
2	57	30	PRO	CA-C	24.77	1.87	1.52
2	6B	30	PRO	CA-C	24.77	1.87	1.52
2	1F	30	PRO	CA-C	24.74	1.87	1.52
2	2N	30	PRO	CA-C	24.74	1.87	1.52
2	23	30	PRO	CA-C	24.74	1.87	1.52
2	3N	30	PRO	CA-C	24.74	1.87	1.52
2	37	30	PRO	CA-C	24.74	1.87	1.52
2	4J	30	PRO	CA-C	24.74	1.87	1.52
2	4R	30	PRO	CA-C	24.74	1.87	1.52
2	5Z	30	PRO	CA-C	24.74	1.87	1.52
2	6F	30	PRO	CA-C	24.74	1.87	1.52
2	6Z	30	PRO	CA-C	24.74	1.87	1.52
2	7J	30	PRO	CA-C	24.74	1.87	1.52
2	7V	30	PRO	CA-C	24.74	1.87	1.52
1	1A	150	TYR	CA-CB	24.74	1.95	1.53
1	1I	150	TYR	CA-CB	24.74	1.95	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1M	150	TYR	CA-CB	24.74	1.95	1.53
1	2E	150	TYR	CA-CB	24.74	1.95	1.53
1	2I	150	TYR	CA-CB	24.74	1.95	1.53
1	26	150	TYR	CA-CB	24.74	1.95	1.53
1	3A	150	TYR	CA-CB	24.74	1.95	1.53
1	3E	150	TYR	CA-CB	24.74	1.95	1.53
1	3I	150	TYR	CA-CB	24.74	1.95	1.53
1	32	150	TYR	CA-CB	24.74	1.95	1.53
1	4A	150	TYR	CA-CB	24.74	1.95	1.53
1	4E	150	TYR	CA-CB	24.74	1.95	1.53
1	4M	150	TYR	CA-CB	24.74	1.95	1.53
1	4U	150	TYR	CA-CB	24.74	1.95	1.53
1	4Y	150	TYR	CA-CB	24.74	1.95	1.53
1	5Q	150	TYR	CA-CB	24.74	1.95	1.53
1	5U	150	TYR	CA-CB	24.74	1.95	1.53
1	6I	150	TYR	CA-CB	24.74	1.95	1.53
1	6M	150	TYR	CA-CB	24.74	1.95	1.53
1	6Q	150	TYR	CA-CB	24.74	1.95	1.53
1	6U	150	TYR	CA-CB	24.74	1.95	1.53
1	7E	150	TYR	CA-CB	24.74	1.95	1.53
1	7M	150	TYR	CA-CB	24.74	1.95	1.53
1	7Q	150	TYR	CA-CB	24.74	1.95	1.53
2	1N	51	GLY	CA-C	24.74	1.84	1.51
2	2J	51	GLY	CA-C	24.74	1.84	1.51
2	3B	51	GLY	CA-C	24.74	1.84	1.51
2	3J	51	GLY	CA-C	24.74	1.84	1.51
2	33	51	GLY	CA-C	24.74	1.84	1.51
2	4F	51	GLY	CA-C	24.74	1.84	1.51
2	4Z	51	GLY	CA-C	24.74	1.84	1.51
2	5V	51	GLY	CA-C	24.74	1.84	1.51
2	6N	51	GLY	CA-C	24.74	1.84	1.51
2	6V	51	GLY	CA-C	24.74	1.84	1.51
2	7F	51	GLY	CA-C	24.74	1.84	1.51
2	7R	51	GLY	CA-C	24.74	1.84	1.51
1	12	150	TYR	CA-CB	24.73	1.95	1.53
1	16	150	TYR	CA-CB	24.73	1.95	1.53
1	2A	150	TYR	CA-CB	24.73	1.95	1.53
1	3Q	150	TYR	CA-CB	24.73	1.95	1.53
1	3U	150	TYR	CA-CB	24.73	1.95	1.53
1	3Y	150	TYR	CA-CB	24.73	1.95	1.53
1	5E	150	TYR	CA-CB	24.73	1.95	1.53
1	5I	150	TYR	CA-CB	24.73	1.95	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	150	TYR	CA-CB	24.73	1.95	1.53
1	62	150	TYR	CA-CB	24.73	1.95	1.53
1	66	150	TYR	CA-CB	24.73	1.95	1.53
1	7A	150	TYR	CA-CB	24.73	1.95	1.53
2	1F	51	GLY	CA-C	24.72	1.84	1.51
2	2N	51	GLY	CA-C	24.72	1.84	1.51
2	23	51	GLY	CA-C	24.72	1.84	1.51
2	3N	51	GLY	CA-C	24.72	1.84	1.51
2	37	51	GLY	CA-C	24.72	1.84	1.51
2	4J	51	GLY	CA-C	24.72	1.84	1.51
2	4R	51	GLY	CA-C	24.72	1.84	1.51
2	5Z	51	GLY	CA-C	24.72	1.84	1.51
2	6F	51	GLY	CA-C	24.72	1.84	1.51
2	6Z	51	GLY	CA-C	24.72	1.84	1.51
2	7J	51	GLY	CA-C	24.72	1.84	1.51
2	7V	51	GLY	CA-C	24.72	1.84	1.51
1	1M	95	THR	CA-C	24.70	1.86	1.52
1	2I	95	THR	CA-C	24.70	1.86	1.52
1	3A	95	THR	CA-C	24.70	1.86	1.52
1	3I	95	THR	CA-C	24.70	1.86	1.52
1	32	95	THR	CA-C	24.70	1.86	1.52
1	4E	95	THR	CA-C	24.70	1.86	1.52
1	4Y	95	THR	CA-C	24.70	1.86	1.52
1	5U	95	THR	CA-C	24.70	1.86	1.52
1	6M	95	THR	CA-C	24.70	1.86	1.52
1	6U	95	THR	CA-C	24.70	1.86	1.52
1	7E	95	THR	CA-C	24.70	1.86	1.52
1	7Q	95	THR	CA-C	24.70	1.86	1.52
2	1B	51	GLY	CA-C	24.70	1.83	1.51
2	1J	51	GLY	CA-C	24.70	1.83	1.51
2	2F	51	GLY	CA-C	24.70	1.83	1.51
2	27	51	GLY	CA-C	24.70	1.83	1.51
2	3F	51	GLY	CA-C	24.70	1.83	1.51
2	4B	51	GLY	CA-C	24.70	1.83	1.51
2	4N	51	GLY	CA-C	24.70	1.83	1.51
2	4V	51	GLY	CA-C	24.70	1.83	1.51
2	5R	51	GLY	CA-C	24.70	1.83	1.51
2	6J	51	GLY	CA-C	24.70	1.83	1.51
2	6R	51	GLY	CA-C	24.70	1.83	1.51
2	7N	51	GLY	CA-C	24.70	1.83	1.51
1	1A	95	THR	CA-C	24.70	1.86	1.52
1	1I	95	THR	CA-C	24.70	1.86	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	95	THR	CA-C	24.70	1.86	1.52
1	26	95	THR	CA-C	24.70	1.86	1.52
1	3E	95	THR	CA-C	24.70	1.86	1.52
1	4A	95	THR	CA-C	24.70	1.86	1.52
1	4M	95	THR	CA-C	24.70	1.86	1.52
1	4U	95	THR	CA-C	24.70	1.86	1.52
1	5Q	95	THR	CA-C	24.70	1.86	1.52
1	6I	95	THR	CA-C	24.70	1.86	1.52
1	6Q	95	THR	CA-C	24.70	1.86	1.52
1	7M	95	THR	CA-C	24.70	1.86	1.52
1	1Q	150	TYR	CA-CB	24.69	1.95	1.53
1	1U	150	TYR	CA-CB	24.69	1.95	1.53
1	1Y	150	TYR	CA-CB	24.69	1.95	1.53
1	2Q	150	TYR	CA-CB	24.69	1.95	1.53
1	2U	150	TYR	CA-CB	24.69	1.95	1.53
1	2Y	150	TYR	CA-CB	24.69	1.95	1.53
1	42	150	TYR	CA-CB	24.69	1.95	1.53
1	46	150	TYR	CA-CB	24.69	1.95	1.53
1	5A	150	TYR	CA-CB	24.69	1.95	1.53
1	52	150	TYR	CA-CB	24.69	1.95	1.53
1	56	150	TYR	CA-CB	24.69	1.95	1.53
1	6A	150	TYR	CA-CB	24.69	1.95	1.53
1	1E	95	THR	CA-C	24.69	1.86	1.52
1	2M	95	THR	CA-C	24.69	1.86	1.52
1	22	95	THR	CA-C	24.69	1.86	1.52
1	3M	95	THR	CA-C	24.69	1.86	1.52
1	36	95	THR	CA-C	24.69	1.86	1.52
1	4I	95	THR	CA-C	24.69	1.86	1.52
1	4Q	95	THR	CA-C	24.69	1.86	1.52
1	5Y	95	THR	CA-C	24.69	1.86	1.52
1	6E	95	THR	CA-C	24.69	1.86	1.52
1	6Y	95	THR	CA-C	24.69	1.86	1.52
1	7I	95	THR	CA-C	24.69	1.86	1.52
1	7U	95	THR	CA-C	24.69	1.86	1.52
1	12	95	THR	CA-C	24.69	1.86	1.52
1	16	95	THR	CA-C	24.69	1.86	1.52
1	2A	95	THR	CA-C	24.69	1.86	1.52
1	3Q	95	THR	CA-C	24.69	1.86	1.52
1	3U	95	THR	CA-C	24.69	1.86	1.52
1	3Y	95	THR	CA-C	24.69	1.86	1.52
1	5E	95	THR	CA-C	24.69	1.86	1.52
1	5I	95	THR	CA-C	24.69	1.86	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	95	THR	CA-C	24.69	1.86	1.52
1	62	95	THR	CA-C	24.69	1.86	1.52
1	66	95	THR	CA-C	24.69	1.86	1.52
1	7A	95	THR	CA-C	24.69	1.86	1.52
1	1E	150	TYR	CA-CB	24.69	1.95	1.53
2	1R	51	GLY	CA-C	24.69	1.83	1.51
2	1V	51	GLY	CA-C	24.69	1.83	1.51
2	1Z	51	GLY	CA-C	24.69	1.83	1.51
1	2M	150	TYR	CA-CB	24.69	1.95	1.53
2	2R	51	GLY	CA-C	24.69	1.83	1.51
2	2V	51	GLY	CA-C	24.69	1.83	1.51
2	2Z	51	GLY	CA-C	24.69	1.83	1.51
1	22	150	TYR	CA-CB	24.69	1.95	1.53
1	3M	150	TYR	CA-CB	24.69	1.95	1.53
1	36	150	TYR	CA-CB	24.69	1.95	1.53
1	4I	150	TYR	CA-CB	24.69	1.95	1.53
1	4Q	150	TYR	CA-CB	24.69	1.95	1.53
2	43	51	GLY	CA-C	24.69	1.83	1.51
2	47	51	GLY	CA-C	24.69	1.83	1.51
2	5B	51	GLY	CA-C	24.69	1.83	1.51
1	5Y	150	TYR	CA-CB	24.69	1.95	1.53
2	53	51	GLY	CA-C	24.69	1.83	1.51
2	57	51	GLY	CA-C	24.69	1.83	1.51
2	6B	51	GLY	CA-C	24.69	1.83	1.51
1	6E	150	TYR	CA-CB	24.69	1.95	1.53
1	6Y	150	TYR	CA-CB	24.69	1.95	1.53
1	7I	150	TYR	CA-CB	24.69	1.95	1.53
1	7U	150	TYR	CA-CB	24.69	1.95	1.53
2	13	51	GLY	CA-C	24.69	1.83	1.51
2	17	51	GLY	CA-C	24.69	1.83	1.51
2	2B	51	GLY	CA-C	24.69	1.83	1.51
2	3R	51	GLY	CA-C	24.69	1.83	1.51
2	3V	51	GLY	CA-C	24.69	1.83	1.51
2	3Z	51	GLY	CA-C	24.69	1.83	1.51
2	5F	51	GLY	CA-C	24.69	1.83	1.51
2	5J	51	GLY	CA-C	24.69	1.83	1.51
2	5N	51	GLY	CA-C	24.69	1.83	1.51
2	63	51	GLY	CA-C	24.69	1.83	1.51
2	67	51	GLY	CA-C	24.69	1.83	1.51
2	7B	51	GLY	CA-C	24.69	1.83	1.51
1	1Q	95	THR	CA-C	24.68	1.86	1.52
1	1U	95	THR	CA-C	24.68	1.86	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	95	THR	CA-C	24.68	1.86	1.52
1	2Q	95	THR	CA-C	24.68	1.86	1.52
1	2U	95	THR	CA-C	24.68	1.86	1.52
1	2Y	95	THR	CA-C	24.68	1.86	1.52
1	42	95	THR	CA-C	24.68	1.86	1.52
1	46	95	THR	CA-C	24.68	1.86	1.52
1	5A	95	THR	CA-C	24.68	1.86	1.52
1	52	95	THR	CA-C	24.68	1.86	1.52
1	56	95	THR	CA-C	24.68	1.86	1.52
1	6A	95	THR	CA-C	24.68	1.86	1.52
2	13	3	PRO	C-N	24.66	1.68	1.33
2	17	3	PRO	C-N	24.66	1.68	1.33
2	2B	3	PRO	C-N	24.66	1.68	1.33
2	3R	3	PRO	C-N	24.66	1.68	1.33
2	3V	3	PRO	C-N	24.66	1.68	1.33
2	3Z	3	PRO	C-N	24.66	1.68	1.33
2	5F	3	PRO	C-N	24.66	1.68	1.33
2	5J	3	PRO	C-N	24.66	1.68	1.33
2	5N	3	PRO	C-N	24.66	1.68	1.33
2	63	3	PRO	C-N	24.66	1.68	1.33
2	67	3	PRO	C-N	24.66	1.68	1.33
2	7B	3	PRO	C-N	24.66	1.68	1.33
2	1B	3	PRO	C-N	24.64	1.68	1.33
2	1F	3	PRO	C-N	24.64	1.68	1.33
2	1J	3	PRO	C-N	24.64	1.68	1.33
2	1N	3	PRO	C-N	24.64	1.68	1.33
2	2F	3	PRO	C-N	24.64	1.68	1.33
2	2J	3	PRO	C-N	24.64	1.68	1.33
2	2N	3	PRO	C-N	24.64	1.68	1.33
2	23	3	PRO	C-N	24.64	1.68	1.33
2	27	3	PRO	C-N	24.64	1.68	1.33
2	3B	3	PRO	C-N	24.64	1.68	1.33
2	3F	3	PRO	C-N	24.64	1.68	1.33
2	3J	3	PRO	C-N	24.64	1.68	1.33
2	3N	3	PRO	C-N	24.64	1.68	1.33
2	33	3	PRO	C-N	24.64	1.68	1.33
2	37	3	PRO	C-N	24.64	1.68	1.33
2	4B	3	PRO	C-N	24.64	1.68	1.33
2	4F	3	PRO	C-N	24.64	1.68	1.33
2	4J	3	PRO	C-N	24.64	1.68	1.33
2	4N	3	PRO	C-N	24.64	1.68	1.33
2	4R	3	PRO	C-N	24.64	1.68	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4V	3	PRO	C-N	24.64	1.68	1.33
2	4Z	3	PRO	C-N	24.64	1.68	1.33
2	5R	3	PRO	C-N	24.64	1.68	1.33
2	5V	3	PRO	C-N	24.64	1.68	1.33
2	5Z	3	PRO	C-N	24.64	1.68	1.33
2	6F	3	PRO	C-N	24.64	1.68	1.33
2	6J	3	PRO	C-N	24.64	1.68	1.33
2	6N	3	PRO	C-N	24.64	1.68	1.33
2	6R	3	PRO	C-N	24.64	1.68	1.33
2	6V	3	PRO	C-N	24.64	1.68	1.33
2	6Z	3	PRO	C-N	24.64	1.68	1.33
2	7F	3	PRO	C-N	24.64	1.68	1.33
2	7J	3	PRO	C-N	24.64	1.68	1.33
2	7N	3	PRO	C-N	24.64	1.68	1.33
2	7R	3	PRO	C-N	24.64	1.68	1.33
2	7V	3	PRO	C-N	24.64	1.68	1.33
2	1R	220	PHE	CA-CB	-24.64	1.11	1.53
2	1V	220	PHE	CA-CB	-24.64	1.11	1.53
2	1Z	220	PHE	CA-CB	-24.64	1.11	1.53
2	2R	220	PHE	CA-CB	-24.64	1.11	1.53
2	2V	220	PHE	CA-CB	-24.64	1.11	1.53
2	2Z	220	PHE	CA-CB	-24.64	1.11	1.53
2	43	220	PHE	CA-CB	-24.64	1.11	1.53
2	47	220	PHE	CA-CB	-24.64	1.11	1.53
2	5B	220	PHE	CA-CB	-24.64	1.11	1.53
2	53	220	PHE	CA-CB	-24.64	1.11	1.53
2	57	220	PHE	CA-CB	-24.64	1.11	1.53
2	6B	220	PHE	CA-CB	-24.64	1.11	1.53
2	1R	3	PRO	C-N	24.64	1.68	1.33
2	1V	3	PRO	C-N	24.64	1.68	1.33
2	1Z	3	PRO	C-N	24.64	1.68	1.33
2	2R	3	PRO	C-N	24.64	1.68	1.33
2	2V	3	PRO	C-N	24.64	1.68	1.33
2	2Z	3	PRO	C-N	24.64	1.68	1.33
2	43	3	PRO	C-N	24.64	1.68	1.33
2	47	3	PRO	C-N	24.64	1.68	1.33
2	5B	3	PRO	C-N	24.64	1.68	1.33
2	53	3	PRO	C-N	24.64	1.68	1.33
2	57	3	PRO	C-N	24.64	1.68	1.33
2	6B	3	PRO	C-N	24.64	1.68	1.33
2	1F	220	PHE	CA-CB	-24.63	1.11	1.53
2	2N	220	PHE	CA-CB	-24.63	1.11	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	220	PHE	CA-CB	-24.63	1.11	1.53
2	3N	220	PHE	CA-CB	-24.63	1.11	1.53
2	37	220	PHE	CA-CB	-24.63	1.11	1.53
2	4J	220	PHE	CA-CB	-24.63	1.11	1.53
2	4R	220	PHE	CA-CB	-24.63	1.11	1.53
2	5Z	220	PHE	CA-CB	-24.63	1.11	1.53
2	6F	220	PHE	CA-CB	-24.63	1.11	1.53
2	6Z	220	PHE	CA-CB	-24.63	1.11	1.53
2	7J	220	PHE	CA-CB	-24.63	1.11	1.53
2	7V	220	PHE	CA-CB	-24.63	1.11	1.53
2	1N	220	PHE	CA-CB	-24.63	1.11	1.53
2	2J	220	PHE	CA-CB	-24.63	1.11	1.53
2	3B	220	PHE	CA-CB	-24.63	1.11	1.53
2	3J	220	PHE	CA-CB	-24.63	1.11	1.53
2	33	220	PHE	CA-CB	-24.63	1.11	1.53
2	4F	220	PHE	CA-CB	-24.63	1.11	1.53
2	4Z	220	PHE	CA-CB	-24.63	1.11	1.53
2	5V	220	PHE	CA-CB	-24.63	1.11	1.53
2	6N	220	PHE	CA-CB	-24.63	1.11	1.53
2	6V	220	PHE	CA-CB	-24.63	1.11	1.53
2	7F	220	PHE	CA-CB	-24.63	1.11	1.53
2	7R	220	PHE	CA-CB	-24.63	1.11	1.53
2	1R	54	ASN	C-N	24.62	1.64	1.34
2	1V	54	ASN	C-N	24.62	1.64	1.34
2	1Z	54	ASN	C-N	24.62	1.64	1.34
2	2R	54	ASN	C-N	24.62	1.64	1.34
2	2V	54	ASN	C-N	24.62	1.64	1.34
2	2Z	54	ASN	C-N	24.62	1.64	1.34
2	43	54	ASN	C-N	24.62	1.64	1.34
2	47	54	ASN	C-N	24.62	1.64	1.34
2	5B	54	ASN	C-N	24.62	1.64	1.34
2	53	54	ASN	C-N	24.62	1.64	1.34
2	57	54	ASN	C-N	24.62	1.64	1.34
2	6B	54	ASN	C-N	24.62	1.64	1.34
2	13	54	ASN	C-N	24.62	1.64	1.34
2	17	54	ASN	C-N	24.62	1.64	1.34
2	2B	54	ASN	C-N	24.62	1.64	1.34
2	3R	54	ASN	C-N	24.62	1.64	1.34
2	3V	54	ASN	C-N	24.62	1.64	1.34
2	3Z	54	ASN	C-N	24.62	1.64	1.34
2	5F	54	ASN	C-N	24.62	1.64	1.34
2	5J	54	ASN	C-N	24.62	1.64	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	54	ASN	C-N	24.62	1.64	1.34
2	63	54	ASN	C-N	24.62	1.64	1.34
2	67	54	ASN	C-N	24.62	1.64	1.34
2	7B	54	ASN	C-N	24.62	1.64	1.34
2	1B	220	PHE	CA-CB	-24.61	1.11	1.53
2	1J	220	PHE	CA-CB	-24.61	1.11	1.53
2	1N	54	ASN	C-N	24.61	1.64	1.34
2	2F	220	PHE	CA-CB	-24.61	1.11	1.53
2	2J	54	ASN	C-N	24.61	1.64	1.34
2	27	220	PHE	CA-CB	-24.61	1.11	1.53
2	3B	54	ASN	C-N	24.61	1.64	1.34
2	3F	220	PHE	CA-CB	-24.61	1.11	1.53
2	3J	54	ASN	C-N	24.61	1.64	1.34
2	33	54	ASN	C-N	24.61	1.64	1.34
2	4B	220	PHE	CA-CB	-24.61	1.11	1.53
2	4F	54	ASN	C-N	24.61	1.64	1.34
2	4N	220	PHE	CA-CB	-24.61	1.11	1.53
2	4V	220	PHE	CA-CB	-24.61	1.11	1.53
2	4Z	54	ASN	C-N	24.61	1.64	1.34
2	5R	220	PHE	CA-CB	-24.61	1.11	1.53
2	5V	54	ASN	C-N	24.61	1.64	1.34
2	6J	220	PHE	CA-CB	-24.61	1.11	1.53
2	6N	54	ASN	C-N	24.61	1.64	1.34
2	6R	220	PHE	CA-CB	-24.61	1.11	1.53
2	6V	54	ASN	C-N	24.61	1.64	1.34
2	7F	54	ASN	C-N	24.61	1.64	1.34
2	7N	220	PHE	CA-CB	-24.61	1.11	1.53
2	7R	54	ASN	C-N	24.61	1.64	1.34
2	1F	54	ASN	C-N	24.61	1.64	1.34
2	13	220	PHE	CA-CB	-24.61	1.11	1.53
2	17	220	PHE	CA-CB	-24.61	1.11	1.53
2	2B	220	PHE	CA-CB	-24.61	1.11	1.53
2	2N	54	ASN	C-N	24.61	1.64	1.34
2	23	54	ASN	C-N	24.61	1.64	1.34
2	3N	54	ASN	C-N	24.61	1.64	1.34
2	3R	220	PHE	CA-CB	-24.61	1.11	1.53
2	3V	220	PHE	CA-CB	-24.61	1.11	1.53
2	3Z	220	PHE	CA-CB	-24.61	1.11	1.53
2	37	54	ASN	C-N	24.61	1.64	1.34
2	4J	54	ASN	C-N	24.61	1.64	1.34
2	4R	54	ASN	C-N	24.61	1.64	1.34
2	5F	220	PHE	CA-CB	-24.61	1.11	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5J	220	PHE	CA-CB	-24.61	1.11	1.53
2	5N	220	PHE	CA-CB	-24.61	1.11	1.53
2	5Z	54	ASN	C-N	24.61	1.64	1.34
2	6F	54	ASN	C-N	24.61	1.64	1.34
2	6Z	54	ASN	C-N	24.61	1.64	1.34
2	63	220	PHE	CA-CB	-24.61	1.11	1.53
2	67	220	PHE	CA-CB	-24.61	1.11	1.53
2	7B	220	PHE	CA-CB	-24.61	1.11	1.53
2	7J	54	ASN	C-N	24.61	1.64	1.34
2	7V	54	ASN	C-N	24.61	1.64	1.34
2	1B	54	ASN	C-N	24.60	1.64	1.34
2	1J	54	ASN	C-N	24.60	1.64	1.34
2	2F	54	ASN	C-N	24.60	1.64	1.34
2	27	54	ASN	C-N	24.60	1.64	1.34
2	3F	54	ASN	C-N	24.60	1.64	1.34
2	4B	54	ASN	C-N	24.60	1.64	1.34
2	4N	54	ASN	C-N	24.60	1.64	1.34
2	4V	54	ASN	C-N	24.60	1.64	1.34
2	5R	54	ASN	C-N	24.60	1.64	1.34
2	6J	54	ASN	C-N	24.60	1.64	1.34
2	6R	54	ASN	C-N	24.60	1.64	1.34
2	7N	54	ASN	C-N	24.60	1.64	1.34
2	13	220	PHE	C-O	24.59	1.51	1.23
2	17	220	PHE	C-O	24.59	1.51	1.23
2	2B	220	PHE	C-O	24.59	1.51	1.23
2	3R	220	PHE	C-O	24.59	1.51	1.23
2	3V	220	PHE	C-O	24.59	1.51	1.23
2	3Z	220	PHE	C-O	24.59	1.51	1.23
2	5F	220	PHE	C-O	24.59	1.51	1.23
2	5J	220	PHE	C-O	24.59	1.51	1.23
2	5N	220	PHE	C-O	24.59	1.51	1.23
2	63	220	PHE	C-O	24.59	1.51	1.23
2	67	220	PHE	C-O	24.59	1.51	1.23
2	7B	220	PHE	C-O	24.59	1.51	1.23
2	1B	220	PHE	C-O	24.57	1.51	1.23
2	1J	220	PHE	C-O	24.57	1.51	1.23
2	2F	220	PHE	C-O	24.57	1.51	1.23
2	27	220	PHE	C-O	24.57	1.51	1.23
2	3F	220	PHE	C-O	24.57	1.51	1.23
2	4B	220	PHE	C-O	24.57	1.51	1.23
2	4N	220	PHE	C-O	24.57	1.51	1.23
2	4V	220	PHE	C-O	24.57	1.51	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	220	PHE	C-O	24.57	1.51	1.23
2	6J	220	PHE	C-O	24.57	1.51	1.23
2	6R	220	PHE	C-O	24.57	1.51	1.23
2	7N	220	PHE	C-O	24.57	1.51	1.23
2	1F	220	PHE	C-O	24.55	1.51	1.23
2	2N	220	PHE	C-O	24.55	1.51	1.23
2	23	220	PHE	C-O	24.55	1.51	1.23
2	3N	220	PHE	C-O	24.55	1.51	1.23
2	37	220	PHE	C-O	24.55	1.51	1.23
2	4J	220	PHE	C-O	24.55	1.51	1.23
2	4R	220	PHE	C-O	24.55	1.51	1.23
2	5Z	220	PHE	C-O	24.55	1.51	1.23
2	6F	220	PHE	C-O	24.55	1.51	1.23
2	6Z	220	PHE	C-O	24.55	1.51	1.23
2	7J	220	PHE	C-O	24.55	1.51	1.23
2	7V	220	PHE	C-O	24.55	1.51	1.23
2	1N	220	PHE	C-O	24.54	1.51	1.23
2	2J	220	PHE	C-O	24.54	1.51	1.23
2	3B	220	PHE	C-O	24.54	1.51	1.23
2	3J	220	PHE	C-O	24.54	1.51	1.23
2	33	220	PHE	C-O	24.54	1.51	1.23
2	4F	220	PHE	C-O	24.54	1.51	1.23
2	4Z	220	PHE	C-O	24.54	1.51	1.23
2	5V	220	PHE	C-O	24.54	1.51	1.23
2	6N	220	PHE	C-O	24.54	1.51	1.23
2	6V	220	PHE	C-O	24.54	1.51	1.23
2	7F	220	PHE	C-O	24.54	1.51	1.23
2	7R	220	PHE	C-O	24.54	1.51	1.23
2	1R	220	PHE	C-O	24.52	1.51	1.23
2	1V	220	PHE	C-O	24.52	1.51	1.23
2	1Z	220	PHE	C-O	24.52	1.51	1.23
2	2R	220	PHE	C-O	24.52	1.51	1.23
2	2V	220	PHE	C-O	24.52	1.51	1.23
2	2Z	220	PHE	C-O	24.52	1.51	1.23
2	43	220	PHE	C-O	24.52	1.51	1.23
2	47	220	PHE	C-O	24.52	1.51	1.23
2	5B	220	PHE	C-O	24.52	1.51	1.23
2	53	220	PHE	C-O	24.52	1.51	1.23
2	57	220	PHE	C-O	24.52	1.51	1.23
2	6B	220	PHE	C-O	24.52	1.51	1.23
2	1R	79	VAL	N-CA	24.36	1.76	1.46
2	1V	79	VAL	N-CA	24.36	1.76	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	79	VAL	N-CA	24.36	1.76	1.46
2	2R	79	VAL	N-CA	24.36	1.76	1.46
2	2V	79	VAL	N-CA	24.36	1.76	1.46
2	2Z	79	VAL	N-CA	24.36	1.76	1.46
2	43	79	VAL	N-CA	24.36	1.76	1.46
2	47	79	VAL	N-CA	24.36	1.76	1.46
2	5B	79	VAL	N-CA	24.36	1.76	1.46
2	53	79	VAL	N-CA	24.36	1.76	1.46
2	57	79	VAL	N-CA	24.36	1.76	1.46
2	6B	79	VAL	N-CA	24.36	1.76	1.46
2	1F	79	VAL	N-CA	24.35	1.76	1.46
2	2N	79	VAL	N-CA	24.35	1.76	1.46
2	23	79	VAL	N-CA	24.35	1.76	1.46
2	3N	79	VAL	N-CA	24.35	1.76	1.46
2	37	79	VAL	N-CA	24.35	1.76	1.46
2	4J	79	VAL	N-CA	24.35	1.76	1.46
2	4R	79	VAL	N-CA	24.35	1.76	1.46
2	5Z	79	VAL	N-CA	24.35	1.76	1.46
2	6F	79	VAL	N-CA	24.35	1.76	1.46
2	6Z	79	VAL	N-CA	24.35	1.76	1.46
2	7J	79	VAL	N-CA	24.35	1.76	1.46
2	7V	79	VAL	N-CA	24.35	1.76	1.46
2	1N	79	VAL	N-CA	24.35	1.76	1.46
2	2J	79	VAL	N-CA	24.35	1.76	1.46
2	3B	79	VAL	N-CA	24.35	1.76	1.46
2	3J	79	VAL	N-CA	24.35	1.76	1.46
2	33	79	VAL	N-CA	24.35	1.76	1.46
2	4F	79	VAL	N-CA	24.35	1.76	1.46
2	4Z	79	VAL	N-CA	24.35	1.76	1.46
2	5V	79	VAL	N-CA	24.35	1.76	1.46
2	6N	79	VAL	N-CA	24.35	1.76	1.46
2	6V	79	VAL	N-CA	24.35	1.76	1.46
2	7F	79	VAL	N-CA	24.35	1.76	1.46
2	7R	79	VAL	N-CA	24.35	1.76	1.46
2	1B	79	VAL	N-CA	24.34	1.76	1.46
2	1J	79	VAL	N-CA	24.34	1.76	1.46
2	2F	79	VAL	N-CA	24.34	1.76	1.46
2	27	79	VAL	N-CA	24.34	1.76	1.46
2	3F	79	VAL	N-CA	24.34	1.76	1.46
2	4B	79	VAL	N-CA	24.34	1.76	1.46
2	4N	79	VAL	N-CA	24.34	1.76	1.46
2	4V	79	VAL	N-CA	24.34	1.76	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	79	VAL	N-CA	24.34	1.76	1.46
2	6J	79	VAL	N-CA	24.34	1.76	1.46
2	6R	79	VAL	N-CA	24.34	1.76	1.46
2	7N	79	VAL	N-CA	24.34	1.76	1.46
2	13	79	VAL	N-CA	24.32	1.76	1.46
2	17	79	VAL	N-CA	24.32	1.76	1.46
2	2B	79	VAL	N-CA	24.32	1.76	1.46
2	3R	79	VAL	N-CA	24.32	1.76	1.46
2	3V	79	VAL	N-CA	24.32	1.76	1.46
2	3Z	79	VAL	N-CA	24.32	1.76	1.46
2	5F	79	VAL	N-CA	24.32	1.76	1.46
2	5J	79	VAL	N-CA	24.32	1.76	1.46
2	5N	79	VAL	N-CA	24.32	1.76	1.46
2	63	79	VAL	N-CA	24.32	1.76	1.46
2	67	79	VAL	N-CA	24.32	1.76	1.46
2	7B	79	VAL	N-CA	24.32	1.76	1.46
1	1Q	22	HIS	CA-CB	24.32	1.96	1.53
1	1U	22	HIS	CA-CB	24.32	1.96	1.53
1	1Y	22	HIS	CA-CB	24.32	1.96	1.53
1	12	22	HIS	CA-CB	24.32	1.96	1.53
1	16	22	HIS	CA-CB	24.32	1.96	1.53
1	2A	22	HIS	CA-CB	24.32	1.96	1.53
1	2Q	22	HIS	CA-CB	24.32	1.96	1.53
1	2U	22	HIS	CA-CB	24.32	1.96	1.53
1	2Y	22	HIS	CA-CB	24.32	1.96	1.53
1	3Q	22	HIS	CA-CB	24.32	1.96	1.53
1	3U	22	HIS	CA-CB	24.32	1.96	1.53
1	3Y	22	HIS	CA-CB	24.32	1.96	1.53
1	42	22	HIS	CA-CB	24.32	1.96	1.53
1	46	22	HIS	CA-CB	24.32	1.96	1.53
1	5A	22	HIS	CA-CB	24.32	1.96	1.53
1	5E	22	HIS	CA-CB	24.32	1.96	1.53
1	5I	22	HIS	CA-CB	24.32	1.96	1.53
1	5M	22	HIS	CA-CB	24.32	1.96	1.53
1	52	22	HIS	CA-CB	24.32	1.96	1.53
1	56	22	HIS	CA-CB	24.32	1.96	1.53
1	6A	22	HIS	CA-CB	24.32	1.96	1.53
1	62	22	HIS	CA-CB	24.32	1.96	1.53
1	66	22	HIS	CA-CB	24.32	1.96	1.53
1	7A	22	HIS	CA-CB	24.32	1.96	1.53
1	1A	22	HIS	CA-CB	24.31	1.96	1.53
1	1I	22	HIS	CA-CB	24.31	1.96	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	22	HIS	CA-CB	24.31	1.96	1.53
1	26	22	HIS	CA-CB	24.31	1.96	1.53
1	3E	22	HIS	CA-CB	24.31	1.96	1.53
1	4A	22	HIS	CA-CB	24.31	1.96	1.53
1	4M	22	HIS	CA-CB	24.31	1.96	1.53
1	4U	22	HIS	CA-CB	24.31	1.96	1.53
1	5Q	22	HIS	CA-CB	24.31	1.96	1.53
1	6I	22	HIS	CA-CB	24.31	1.96	1.53
1	6Q	22	HIS	CA-CB	24.31	1.96	1.53
1	7M	22	HIS	CA-CB	24.31	1.96	1.53
1	1M	22	HIS	CA-CB	24.31	1.96	1.53
1	2I	22	HIS	CA-CB	24.31	1.96	1.53
1	3A	22	HIS	CA-CB	24.31	1.96	1.53
1	3I	22	HIS	CA-CB	24.31	1.96	1.53
1	32	22	HIS	CA-CB	24.31	1.96	1.53
1	4E	22	HIS	CA-CB	24.31	1.96	1.53
1	4Y	22	HIS	CA-CB	24.31	1.96	1.53
1	5U	22	HIS	CA-CB	24.31	1.96	1.53
1	6M	22	HIS	CA-CB	24.31	1.96	1.53
1	6U	22	HIS	CA-CB	24.31	1.96	1.53
1	7E	22	HIS	CA-CB	24.31	1.96	1.53
1	7Q	22	HIS	CA-CB	24.31	1.96	1.53
1	1E	22	HIS	CA-CB	24.30	1.96	1.53
1	2M	22	HIS	CA-CB	24.30	1.96	1.53
1	22	22	HIS	CA-CB	24.30	1.96	1.53
1	3M	22	HIS	CA-CB	24.30	1.96	1.53
1	36	22	HIS	CA-CB	24.30	1.96	1.53
1	4I	22	HIS	CA-CB	24.30	1.96	1.53
1	4Q	22	HIS	CA-CB	24.30	1.96	1.53
1	5Y	22	HIS	CA-CB	24.30	1.96	1.53
1	6E	22	HIS	CA-CB	24.30	1.96	1.53
1	6Y	22	HIS	CA-CB	24.30	1.96	1.53
1	7I	22	HIS	CA-CB	24.30	1.96	1.53
1	7U	22	HIS	CA-CB	24.30	1.96	1.53
1	12	80	PHE	CG-CD2	-24.22	0.88	1.38
1	16	80	PHE	CG-CD2	-24.22	0.88	1.38
1	2A	80	PHE	CG-CD2	-24.22	0.88	1.38
1	3Q	80	PHE	CG-CD2	-24.22	0.88	1.38
1	3U	80	PHE	CG-CD2	-24.22	0.88	1.38
1	3Y	80	PHE	CG-CD2	-24.22	0.88	1.38
1	5E	80	PHE	CG-CD2	-24.22	0.88	1.38
1	5I	80	PHE	CG-CD2	-24.22	0.88	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	80	PHE	CG-CD2	-24.22	0.88	1.38
1	62	80	PHE	CG-CD2	-24.22	0.88	1.38
1	66	80	PHE	CG-CD2	-24.22	0.88	1.38
1	7A	80	PHE	CG-CD2	-24.22	0.88	1.38
1	1M	80	PHE	CG-CD2	-24.22	0.88	1.38
1	2I	80	PHE	CG-CD2	-24.22	0.88	1.38
1	3A	80	PHE	CG-CD2	-24.22	0.88	1.38
1	3I	80	PHE	CG-CD2	-24.22	0.88	1.38
1	32	80	PHE	CG-CD2	-24.22	0.88	1.38
1	4E	80	PHE	CG-CD2	-24.22	0.88	1.38
1	4Y	80	PHE	CG-CD2	-24.22	0.88	1.38
1	5U	80	PHE	CG-CD2	-24.22	0.88	1.38
1	6M	80	PHE	CG-CD2	-24.22	0.88	1.38
1	6U	80	PHE	CG-CD2	-24.22	0.88	1.38
1	7E	80	PHE	CG-CD2	-24.22	0.88	1.38
1	7Q	80	PHE	CG-CD2	-24.22	0.88	1.38
1	1A	80	PHE	CG-CD2	-24.20	0.88	1.38
1	1I	80	PHE	CG-CD2	-24.20	0.88	1.38
1	2E	80	PHE	CG-CD2	-24.20	0.88	1.38
1	26	80	PHE	CG-CD2	-24.20	0.88	1.38
1	3E	80	PHE	CG-CD2	-24.20	0.88	1.38
1	4A	80	PHE	CG-CD2	-24.20	0.88	1.38
1	4M	80	PHE	CG-CD2	-24.20	0.88	1.38
1	4U	80	PHE	CG-CD2	-24.20	0.88	1.38
1	5Q	80	PHE	CG-CD2	-24.20	0.88	1.38
1	6I	80	PHE	CG-CD2	-24.20	0.88	1.38
1	6Q	80	PHE	CG-CD2	-24.20	0.88	1.38
1	7M	80	PHE	CG-CD2	-24.20	0.88	1.38
1	1Q	80	PHE	CG-CD2	-24.20	0.88	1.38
1	1U	80	PHE	CG-CD2	-24.20	0.88	1.38
1	1Y	80	PHE	CG-CD2	-24.20	0.88	1.38
1	2Q	80	PHE	CG-CD2	-24.20	0.88	1.38
1	2U	80	PHE	CG-CD2	-24.20	0.88	1.38
1	2Y	80	PHE	CG-CD2	-24.20	0.88	1.38
1	42	80	PHE	CG-CD2	-24.20	0.88	1.38
1	46	80	PHE	CG-CD2	-24.20	0.88	1.38
1	5A	80	PHE	CG-CD2	-24.20	0.88	1.38
1	52	80	PHE	CG-CD2	-24.20	0.88	1.38
1	56	80	PHE	CG-CD2	-24.20	0.88	1.38
1	6A	80	PHE	CG-CD2	-24.20	0.88	1.38
1	1E	80	PHE	CG-CD2	-24.19	0.88	1.38
1	2M	80	PHE	CG-CD2	-24.19	0.88	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	80	PHE	CG-CD2	-24.19	0.88	1.38
1	3M	80	PHE	CG-CD2	-24.19	0.88	1.38
1	36	80	PHE	CG-CD2	-24.19	0.88	1.38
1	4I	80	PHE	CG-CD2	-24.19	0.88	1.38
1	4Q	80	PHE	CG-CD2	-24.19	0.88	1.38
1	5Y	80	PHE	CG-CD2	-24.19	0.88	1.38
1	6E	80	PHE	CG-CD2	-24.19	0.88	1.38
1	6Y	80	PHE	CG-CD2	-24.19	0.88	1.38
1	7I	80	PHE	CG-CD2	-24.19	0.88	1.38
1	7U	80	PHE	CG-CD2	-24.19	0.88	1.38
2	1N	21	THR	CA-CB	-24.09	1.17	1.53
2	2J	21	THR	CA-CB	-24.09	1.17	1.53
2	3B	21	THR	CA-CB	-24.09	1.17	1.53
2	3J	21	THR	CA-CB	-24.09	1.17	1.53
2	33	21	THR	CA-CB	-24.09	1.17	1.53
2	4F	21	THR	CA-CB	-24.09	1.17	1.53
2	4Z	21	THR	CA-CB	-24.09	1.17	1.53
2	5V	21	THR	CA-CB	-24.09	1.17	1.53
2	6N	21	THR	CA-CB	-24.09	1.17	1.53
2	6V	21	THR	CA-CB	-24.09	1.17	1.53
2	7F	21	THR	CA-CB	-24.09	1.17	1.53
2	7R	21	THR	CA-CB	-24.09	1.17	1.53
2	1R	21	THR	CA-CB	-24.08	1.17	1.53
2	1V	21	THR	CA-CB	-24.08	1.17	1.53
2	1Z	21	THR	CA-CB	-24.08	1.17	1.53
2	2R	21	THR	CA-CB	-24.08	1.17	1.53
2	2V	21	THR	CA-CB	-24.08	1.17	1.53
2	2Z	21	THR	CA-CB	-24.08	1.17	1.53
2	43	21	THR	CA-CB	-24.08	1.17	1.53
2	47	21	THR	CA-CB	-24.08	1.17	1.53
2	5B	21	THR	CA-CB	-24.08	1.17	1.53
2	53	21	THR	CA-CB	-24.08	1.17	1.53
2	57	21	THR	CA-CB	-24.08	1.17	1.53
2	6B	21	THR	CA-CB	-24.08	1.17	1.53
2	1B	21	THR	CA-CB	-24.08	1.17	1.53
2	1J	21	THR	CA-CB	-24.08	1.17	1.53
1	1Q	152	SER	CA-C	-24.08	1.21	1.52
1	1U	152	SER	CA-C	-24.08	1.21	1.52
1	1Y	152	SER	CA-C	-24.08	1.21	1.52
2	2F	21	THR	CA-CB	-24.08	1.17	1.53
1	2Q	152	SER	CA-C	-24.08	1.21	1.52
1	2U	152	SER	CA-C	-24.08	1.21	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2Y	152	SER	CA-C	-24.08	1.21	1.52
2	27	21	THR	CA-CB	-24.08	1.17	1.53
2	3F	21	THR	CA-CB	-24.08	1.17	1.53
2	4B	21	THR	CA-CB	-24.08	1.17	1.53
2	4N	21	THR	CA-CB	-24.08	1.17	1.53
2	4V	21	THR	CA-CB	-24.08	1.17	1.53
1	42	152	SER	CA-C	-24.08	1.21	1.52
1	46	152	SER	CA-C	-24.08	1.21	1.52
1	5A	152	SER	CA-C	-24.08	1.21	1.52
2	5R	21	THR	CA-CB	-24.08	1.17	1.53
1	52	152	SER	CA-C	-24.08	1.21	1.52
1	56	152	SER	CA-C	-24.08	1.21	1.52
1	6A	152	SER	CA-C	-24.08	1.21	1.52
2	6J	21	THR	CA-CB	-24.08	1.17	1.53
2	6R	21	THR	CA-CB	-24.08	1.17	1.53
2	7N	21	THR	CA-CB	-24.08	1.17	1.53
2	1B	77	THR	N-CA	24.07	1.73	1.46
2	1J	77	THR	N-CA	24.07	1.73	1.46
2	2F	77	THR	N-CA	24.07	1.73	1.46
2	27	77	THR	N-CA	24.07	1.73	1.46
2	3F	77	THR	N-CA	24.07	1.73	1.46
2	4B	77	THR	N-CA	24.07	1.73	1.46
2	4N	77	THR	N-CA	24.07	1.73	1.46
2	4V	77	THR	N-CA	24.07	1.73	1.46
2	5R	77	THR	N-CA	24.07	1.73	1.46
2	6J	77	THR	N-CA	24.07	1.73	1.46
2	6R	77	THR	N-CA	24.07	1.73	1.46
2	7N	77	THR	N-CA	24.07	1.73	1.46
2	1F	21	THR	CA-CB	-24.07	1.17	1.53
2	2N	21	THR	CA-CB	-24.07	1.17	1.53
2	23	21	THR	CA-CB	-24.07	1.17	1.53
2	3N	21	THR	CA-CB	-24.07	1.17	1.53
2	37	21	THR	CA-CB	-24.07	1.17	1.53
2	4J	21	THR	CA-CB	-24.07	1.17	1.53
2	4R	21	THR	CA-CB	-24.07	1.17	1.53
2	5Z	21	THR	CA-CB	-24.07	1.17	1.53
2	6F	21	THR	CA-CB	-24.07	1.17	1.53
2	6Z	21	THR	CA-CB	-24.07	1.17	1.53
2	7J	21	THR	CA-CB	-24.07	1.17	1.53
2	7V	21	THR	CA-CB	-24.07	1.17	1.53
2	1N	77	THR	N-CA	24.06	1.73	1.46
2	2J	77	THR	N-CA	24.06	1.73	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	77	THR	N-CA	24.06	1.73	1.46
2	3J	77	THR	N-CA	24.06	1.73	1.46
2	33	77	THR	N-CA	24.06	1.73	1.46
2	4F	77	THR	N-CA	24.06	1.73	1.46
2	4Z	77	THR	N-CA	24.06	1.73	1.46
2	5V	77	THR	N-CA	24.06	1.73	1.46
2	6N	77	THR	N-CA	24.06	1.73	1.46
2	6V	77	THR	N-CA	24.06	1.73	1.46
2	7F	77	THR	N-CA	24.06	1.73	1.46
2	7R	77	THR	N-CA	24.06	1.73	1.46
2	13	21	THR	CA-CB	-24.06	1.17	1.53
2	17	21	THR	CA-CB	-24.06	1.17	1.53
2	2B	21	THR	CA-CB	-24.06	1.17	1.53
2	3R	21	THR	CA-CB	-24.06	1.17	1.53
2	3V	21	THR	CA-CB	-24.06	1.17	1.53
2	3Z	21	THR	CA-CB	-24.06	1.17	1.53
2	5F	21	THR	CA-CB	-24.06	1.17	1.53
2	5J	21	THR	CA-CB	-24.06	1.17	1.53
2	5N	21	THR	CA-CB	-24.06	1.17	1.53
2	63	21	THR	CA-CB	-24.06	1.17	1.53
2	67	21	THR	CA-CB	-24.06	1.17	1.53
2	7B	21	THR	CA-CB	-24.06	1.17	1.53
1	1Q	34	ALA	N-CA	24.04	1.73	1.45
1	1U	34	ALA	N-CA	24.04	1.73	1.45
1	1Y	34	ALA	N-CA	24.04	1.73	1.45
1	12	34	ALA	N-CA	24.04	1.73	1.45
1	12	152	SER	CA-C	-24.04	1.21	1.52
1	16	34	ALA	N-CA	24.04	1.73	1.45
1	16	152	SER	CA-C	-24.04	1.21	1.52
1	2A	34	ALA	N-CA	24.04	1.73	1.45
1	2A	152	SER	CA-C	-24.04	1.21	1.52
1	2Q	34	ALA	N-CA	24.04	1.73	1.45
1	2U	34	ALA	N-CA	24.04	1.73	1.45
1	2Y	34	ALA	N-CA	24.04	1.73	1.45
1	3Q	34	ALA	N-CA	24.04	1.73	1.45
1	3Q	152	SER	CA-C	-24.04	1.21	1.52
1	3U	34	ALA	N-CA	24.04	1.73	1.45
1	3U	152	SER	CA-C	-24.04	1.21	1.52
1	3Y	34	ALA	N-CA	24.04	1.73	1.45
1	3Y	152	SER	CA-C	-24.04	1.21	1.52
1	42	34	ALA	N-CA	24.04	1.73	1.45
1	46	34	ALA	N-CA	24.04	1.73	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	34	ALA	N-CA	24.04	1.73	1.45
1	5E	34	ALA	N-CA	24.04	1.73	1.45
1	5E	152	SER	CA-C	-24.04	1.21	1.52
1	5I	34	ALA	N-CA	24.04	1.73	1.45
1	5I	152	SER	CA-C	-24.04	1.21	1.52
1	5M	34	ALA	N-CA	24.04	1.73	1.45
1	5M	152	SER	CA-C	-24.04	1.21	1.52
1	52	34	ALA	N-CA	24.04	1.73	1.45
1	56	34	ALA	N-CA	24.04	1.73	1.45
1	6A	34	ALA	N-CA	24.04	1.73	1.45
1	62	34	ALA	N-CA	24.04	1.73	1.45
1	62	152	SER	CA-C	-24.04	1.21	1.52
1	66	34	ALA	N-CA	24.04	1.73	1.45
1	66	152	SER	CA-C	-24.04	1.21	1.52
1	7A	34	ALA	N-CA	24.04	1.73	1.45
1	7A	152	SER	CA-C	-24.04	1.21	1.52
1	1A	34	ALA	N-CA	24.04	1.73	1.45
2	1F	77	THR	N-CA	24.04	1.73	1.46
1	1I	34	ALA	N-CA	24.04	1.73	1.45
1	2E	34	ALA	N-CA	24.04	1.73	1.45
2	2N	77	THR	N-CA	24.04	1.73	1.46
2	23	77	THR	N-CA	24.04	1.73	1.46
1	26	34	ALA	N-CA	24.04	1.73	1.45
1	3E	34	ALA	N-CA	24.04	1.73	1.45
2	3N	77	THR	N-CA	24.04	1.73	1.46
2	37	77	THR	N-CA	24.04	1.73	1.46
1	4A	34	ALA	N-CA	24.04	1.73	1.45
2	4J	77	THR	N-CA	24.04	1.73	1.46
1	4M	34	ALA	N-CA	24.04	1.73	1.45
2	4R	77	THR	N-CA	24.04	1.73	1.46
1	4U	34	ALA	N-CA	24.04	1.73	1.45
1	5Q	34	ALA	N-CA	24.04	1.73	1.45
2	5Z	77	THR	N-CA	24.04	1.73	1.46
2	6F	77	THR	N-CA	24.04	1.73	1.46
1	6I	34	ALA	N-CA	24.04	1.73	1.45
1	6Q	34	ALA	N-CA	24.04	1.73	1.45
2	6Z	77	THR	N-CA	24.04	1.73	1.46
2	7J	77	THR	N-CA	24.04	1.73	1.46
1	7M	34	ALA	N-CA	24.04	1.73	1.45
2	7V	77	THR	N-CA	24.04	1.73	1.46
1	1M	152	SER	CA-C	-24.03	1.21	1.52
1	2I	152	SER	CA-C	-24.03	1.21	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	152	SER	CA-C	-24.03	1.21	1.52
1	3I	152	SER	CA-C	-24.03	1.21	1.52
1	32	152	SER	CA-C	-24.03	1.21	1.52
1	4E	152	SER	CA-C	-24.03	1.21	1.52
1	4Y	152	SER	CA-C	-24.03	1.21	1.52
1	5U	152	SER	CA-C	-24.03	1.21	1.52
1	6M	152	SER	CA-C	-24.03	1.21	1.52
1	6U	152	SER	CA-C	-24.03	1.21	1.52
1	7E	152	SER	CA-C	-24.03	1.21	1.52
1	7Q	152	SER	CA-C	-24.03	1.21	1.52
1	1M	34	ALA	N-CA	24.03	1.73	1.45
1	2I	34	ALA	N-CA	24.03	1.73	1.45
1	3A	34	ALA	N-CA	24.03	1.73	1.45
1	3I	34	ALA	N-CA	24.03	1.73	1.45
1	32	34	ALA	N-CA	24.03	1.73	1.45
1	4E	34	ALA	N-CA	24.03	1.73	1.45
1	4Y	34	ALA	N-CA	24.03	1.73	1.45
1	5U	34	ALA	N-CA	24.03	1.73	1.45
1	6M	34	ALA	N-CA	24.03	1.73	1.45
1	6U	34	ALA	N-CA	24.03	1.73	1.45
1	7E	34	ALA	N-CA	24.03	1.73	1.45
1	7Q	34	ALA	N-CA	24.03	1.73	1.45
1	1A	152	SER	CA-C	-24.03	1.21	1.52
1	1E	34	ALA	N-CA	24.03	1.73	1.45
1	1I	152	SER	CA-C	-24.03	1.21	1.52
1	2E	152	SER	CA-C	-24.03	1.21	1.52
1	2M	34	ALA	N-CA	24.03	1.73	1.45
1	22	34	ALA	N-CA	24.03	1.73	1.45
1	26	152	SER	CA-C	-24.03	1.21	1.52
1	3E	152	SER	CA-C	-24.03	1.21	1.52
1	3M	34	ALA	N-CA	24.03	1.73	1.45
1	36	34	ALA	N-CA	24.03	1.73	1.45
1	4A	152	SER	CA-C	-24.03	1.21	1.52
1	4I	34	ALA	N-CA	24.03	1.73	1.45
1	4M	152	SER	CA-C	-24.03	1.21	1.52
1	4Q	34	ALA	N-CA	24.03	1.73	1.45
1	4U	152	SER	CA-C	-24.03	1.21	1.52
1	5Q	152	SER	CA-C	-24.03	1.21	1.52
1	5Y	34	ALA	N-CA	24.03	1.73	1.45
1	6E	34	ALA	N-CA	24.03	1.73	1.45
1	6I	152	SER	CA-C	-24.03	1.21	1.52
1	6Q	152	SER	CA-C	-24.03	1.21	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6Y	34	ALA	N-CA	24.03	1.73	1.45
1	7I	34	ALA	N-CA	24.03	1.73	1.45
1	7M	152	SER	CA-C	-24.03	1.21	1.52
1	7U	34	ALA	N-CA	24.03	1.73	1.45
2	13	77	THR	N-CA	24.03	1.73	1.46
2	17	77	THR	N-CA	24.03	1.73	1.46
2	2B	77	THR	N-CA	24.03	1.73	1.46
2	3R	77	THR	N-CA	24.03	1.73	1.46
2	3V	77	THR	N-CA	24.03	1.73	1.46
2	3Z	77	THR	N-CA	24.03	1.73	1.46
2	5F	77	THR	N-CA	24.03	1.73	1.46
2	5J	77	THR	N-CA	24.03	1.73	1.46
2	5N	77	THR	N-CA	24.03	1.73	1.46
2	63	77	THR	N-CA	24.03	1.73	1.46
2	67	77	THR	N-CA	24.03	1.73	1.46
2	7B	77	THR	N-CA	24.03	1.73	1.46
2	1R	77	THR	N-CA	24.02	1.73	1.46
2	1V	77	THR	N-CA	24.02	1.73	1.46
2	1Z	77	THR	N-CA	24.02	1.73	1.46
2	2R	77	THR	N-CA	24.02	1.73	1.46
2	2V	77	THR	N-CA	24.02	1.73	1.46
2	2Z	77	THR	N-CA	24.02	1.73	1.46
2	43	77	THR	N-CA	24.02	1.73	1.46
2	47	77	THR	N-CA	24.02	1.73	1.46
2	5B	77	THR	N-CA	24.02	1.73	1.46
2	53	77	THR	N-CA	24.02	1.73	1.46
2	57	77	THR	N-CA	24.02	1.73	1.46
2	6B	77	THR	N-CA	24.02	1.73	1.46
1	1E	152	SER	CA-C	-24.00	1.21	1.52
1	2M	152	SER	CA-C	-24.00	1.21	1.52
1	22	152	SER	CA-C	-24.00	1.21	1.52
1	3M	152	SER	CA-C	-24.00	1.21	1.52
1	36	152	SER	CA-C	-24.00	1.21	1.52
1	4I	152	SER	CA-C	-24.00	1.21	1.52
1	4Q	152	SER	CA-C	-24.00	1.21	1.52
1	5Y	152	SER	CA-C	-24.00	1.21	1.52
1	6E	152	SER	CA-C	-24.00	1.21	1.52
1	6Y	152	SER	CA-C	-24.00	1.21	1.52
1	7I	152	SER	CA-C	-24.00	1.21	1.52
1	7U	152	SER	CA-C	-24.00	1.21	1.52
1	12	51	LEU	CA-CB	-23.99	1.15	1.53
1	16	51	LEU	CA-CB	-23.99	1.15	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	51	LEU	CA-CB	-23.99	1.15	1.53
1	3Q	51	LEU	CA-CB	-23.99	1.15	1.53
1	3U	51	LEU	CA-CB	-23.99	1.15	1.53
1	3Y	51	LEU	CA-CB	-23.99	1.15	1.53
1	5E	51	LEU	CA-CB	-23.99	1.15	1.53
1	5I	51	LEU	CA-CB	-23.99	1.15	1.53
1	5M	51	LEU	CA-CB	-23.99	1.15	1.53
1	62	51	LEU	CA-CB	-23.99	1.15	1.53
1	66	51	LEU	CA-CB	-23.99	1.15	1.53
1	7A	51	LEU	CA-CB	-23.99	1.15	1.53
1	1E	51	LEU	CA-CB	-23.98	1.15	1.53
1	2M	51	LEU	CA-CB	-23.98	1.15	1.53
1	22	51	LEU	CA-CB	-23.98	1.15	1.53
1	3M	51	LEU	CA-CB	-23.98	1.15	1.53
1	36	51	LEU	CA-CB	-23.98	1.15	1.53
1	4I	51	LEU	CA-CB	-23.98	1.15	1.53
1	4Q	51	LEU	CA-CB	-23.98	1.15	1.53
1	5Y	51	LEU	CA-CB	-23.98	1.15	1.53
1	6E	51	LEU	CA-CB	-23.98	1.15	1.53
1	6Y	51	LEU	CA-CB	-23.98	1.15	1.53
1	7I	51	LEU	CA-CB	-23.98	1.15	1.53
1	7U	51	LEU	CA-CB	-23.98	1.15	1.53
1	1Q	51	LEU	CA-CB	-23.98	1.15	1.53
1	1U	51	LEU	CA-CB	-23.98	1.15	1.53
1	1Y	51	LEU	CA-CB	-23.98	1.15	1.53
1	2Q	51	LEU	CA-CB	-23.98	1.15	1.53
1	2U	51	LEU	CA-CB	-23.98	1.15	1.53
1	2Y	51	LEU	CA-CB	-23.98	1.15	1.53
1	42	51	LEU	CA-CB	-23.98	1.15	1.53
1	46	51	LEU	CA-CB	-23.98	1.15	1.53
1	5A	51	LEU	CA-CB	-23.98	1.15	1.53
1	52	51	LEU	CA-CB	-23.98	1.15	1.53
1	56	51	LEU	CA-CB	-23.98	1.15	1.53
1	6A	51	LEU	CA-CB	-23.98	1.15	1.53
1	1A	51	LEU	CA-CB	-23.96	1.15	1.53
1	1I	51	LEU	CA-CB	-23.96	1.15	1.53
1	2E	51	LEU	CA-CB	-23.96	1.15	1.53
1	26	51	LEU	CA-CB	-23.96	1.15	1.53
1	3E	51	LEU	CA-CB	-23.96	1.15	1.53
1	4A	51	LEU	CA-CB	-23.96	1.15	1.53
1	4M	51	LEU	CA-CB	-23.96	1.15	1.53
1	4U	51	LEU	CA-CB	-23.96	1.15	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	51	LEU	CA-CB	-23.96	1.15	1.53
1	6I	51	LEU	CA-CB	-23.96	1.15	1.53
1	6Q	51	LEU	CA-CB	-23.96	1.15	1.53
1	7M	51	LEU	CA-CB	-23.96	1.15	1.53
1	1M	51	LEU	CA-CB	-23.95	1.15	1.53
1	2I	51	LEU	CA-CB	-23.95	1.15	1.53
1	3A	51	LEU	CA-CB	-23.95	1.15	1.53
1	3I	51	LEU	CA-CB	-23.95	1.15	1.53
1	32	51	LEU	CA-CB	-23.95	1.15	1.53
1	4E	51	LEU	CA-CB	-23.95	1.15	1.53
1	4Y	51	LEU	CA-CB	-23.95	1.15	1.53
1	5U	51	LEU	CA-CB	-23.95	1.15	1.53
1	6M	51	LEU	CA-CB	-23.95	1.15	1.53
1	6U	51	LEU	CA-CB	-23.95	1.15	1.53
1	7E	51	LEU	CA-CB	-23.95	1.15	1.53
1	7Q	51	LEU	CA-CB	-23.95	1.15	1.53
2	13	74	TYR	CA-C	23.86	1.82	1.52
2	17	74	TYR	CA-C	23.86	1.82	1.52
2	2B	74	TYR	CA-C	23.86	1.82	1.52
2	3R	74	TYR	CA-C	23.86	1.82	1.52
2	3V	74	TYR	CA-C	23.86	1.82	1.52
2	3Z	74	TYR	CA-C	23.86	1.82	1.52
2	5F	74	TYR	CA-C	23.86	1.82	1.52
2	5J	74	TYR	CA-C	23.86	1.82	1.52
2	5N	74	TYR	CA-C	23.86	1.82	1.52
2	63	74	TYR	CA-C	23.86	1.82	1.52
2	67	74	TYR	CA-C	23.86	1.82	1.52
2	7B	74	TYR	CA-C	23.86	1.82	1.52
2	1N	74	TYR	CA-C	23.85	1.82	1.52
2	2J	74	TYR	CA-C	23.85	1.82	1.52
2	3B	74	TYR	CA-C	23.85	1.82	1.52
2	3J	74	TYR	CA-C	23.85	1.82	1.52
2	33	74	TYR	CA-C	23.85	1.82	1.52
2	4F	74	TYR	CA-C	23.85	1.82	1.52
2	4Z	74	TYR	CA-C	23.85	1.82	1.52
2	5V	74	TYR	CA-C	23.85	1.82	1.52
2	6N	74	TYR	CA-C	23.85	1.82	1.52
2	6V	74	TYR	CA-C	23.85	1.82	1.52
2	7F	74	TYR	CA-C	23.85	1.82	1.52
2	7R	74	TYR	CA-C	23.85	1.82	1.52
2	1B	74	TYR	CA-C	23.84	1.82	1.52
2	1J	74	TYR	CA-C	23.84	1.82	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	74	TYR	CA-C	23.84	1.82	1.52
2	27	74	TYR	CA-C	23.84	1.82	1.52
2	3F	74	TYR	CA-C	23.84	1.82	1.52
2	4B	74	TYR	CA-C	23.84	1.82	1.52
2	4N	74	TYR	CA-C	23.84	1.82	1.52
2	4V	74	TYR	CA-C	23.84	1.82	1.52
2	5R	74	TYR	CA-C	23.84	1.82	1.52
2	6J	74	TYR	CA-C	23.84	1.82	1.52
2	6R	74	TYR	CA-C	23.84	1.82	1.52
2	7N	74	TYR	CA-C	23.84	1.82	1.52
2	1R	74	TYR	CA-C	23.81	1.82	1.52
2	1V	74	TYR	CA-C	23.81	1.82	1.52
2	1Z	74	TYR	CA-C	23.81	1.82	1.52
2	2R	74	TYR	CA-C	23.81	1.82	1.52
2	2V	74	TYR	CA-C	23.81	1.82	1.52
2	2Z	74	TYR	CA-C	23.81	1.82	1.52
2	43	74	TYR	CA-C	23.81	1.82	1.52
2	47	74	TYR	CA-C	23.81	1.82	1.52
2	5B	74	TYR	CA-C	23.81	1.82	1.52
2	53	74	TYR	CA-C	23.81	1.82	1.52
2	57	74	TYR	CA-C	23.81	1.82	1.52
2	6B	74	TYR	CA-C	23.81	1.82	1.52
2	1F	74	TYR	CA-C	23.80	1.82	1.52
2	2N	74	TYR	CA-C	23.80	1.82	1.52
2	23	74	TYR	CA-C	23.80	1.82	1.52
2	3N	74	TYR	CA-C	23.80	1.82	1.52
2	37	74	TYR	CA-C	23.80	1.82	1.52
2	4J	74	TYR	CA-C	23.80	1.82	1.52
2	4R	74	TYR	CA-C	23.80	1.82	1.52
2	5Z	74	TYR	CA-C	23.80	1.82	1.52
2	6F	74	TYR	CA-C	23.80	1.82	1.52
2	6Z	74	TYR	CA-C	23.80	1.82	1.52
2	7J	74	TYR	CA-C	23.80	1.82	1.52
2	7V	74	TYR	CA-C	23.80	1.82	1.52
1	1E	179	VAL	CA-C	23.63	1.82	1.52
1	1M	12	MET	C-N	23.63	1.66	1.33
1	2I	12	MET	C-N	23.63	1.66	1.33
1	2M	179	VAL	CA-C	23.63	1.82	1.52
1	22	179	VAL	CA-C	23.63	1.82	1.52
1	3A	12	MET	C-N	23.63	1.66	1.33
1	3I	12	MET	C-N	23.63	1.66	1.33
1	3M	179	VAL	CA-C	23.63	1.82	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	32	12	MET	C-N	23.63	1.66	1.33
1	36	179	VAL	CA-C	23.63	1.82	1.52
1	4E	12	MET	C-N	23.63	1.66	1.33
1	4I	179	VAL	CA-C	23.63	1.82	1.52
1	4Q	179	VAL	CA-C	23.63	1.82	1.52
1	4Y	12	MET	C-N	23.63	1.66	1.33
1	5U	12	MET	C-N	23.63	1.66	1.33
1	5Y	179	VAL	CA-C	23.63	1.82	1.52
1	6E	179	VAL	CA-C	23.63	1.82	1.52
1	6M	12	MET	C-N	23.63	1.66	1.33
1	6U	12	MET	C-N	23.63	1.66	1.33
1	6Y	179	VAL	CA-C	23.63	1.82	1.52
1	7E	12	MET	C-N	23.63	1.66	1.33
1	7I	179	VAL	CA-C	23.63	1.82	1.52
1	7Q	12	MET	C-N	23.63	1.66	1.33
1	7U	179	VAL	CA-C	23.63	1.82	1.52
1	1Q	179	VAL	CA-C	23.61	1.82	1.52
1	1U	179	VAL	CA-C	23.61	1.82	1.52
1	1Y	179	VAL	CA-C	23.61	1.82	1.52
1	2Q	179	VAL	CA-C	23.61	1.82	1.52
1	2U	179	VAL	CA-C	23.61	1.82	1.52
1	2Y	179	VAL	CA-C	23.61	1.82	1.52
1	42	179	VAL	CA-C	23.61	1.82	1.52
1	46	179	VAL	CA-C	23.61	1.82	1.52
1	5A	179	VAL	CA-C	23.61	1.82	1.52
1	52	179	VAL	CA-C	23.61	1.82	1.52
1	56	179	VAL	CA-C	23.61	1.82	1.52
1	6A	179	VAL	CA-C	23.61	1.82	1.52
1	1E	12	MET	C-N	23.61	1.66	1.33
1	1M	80	PHE	CE2-CZ	23.61	2.09	1.38
1	2I	80	PHE	CE2-CZ	23.61	2.09	1.38
1	2M	12	MET	C-N	23.61	1.66	1.33
1	22	12	MET	C-N	23.61	1.66	1.33
1	3A	80	PHE	CE2-CZ	23.61	2.09	1.38
1	3I	80	PHE	CE2-CZ	23.61	2.09	1.38
1	3M	12	MET	C-N	23.61	1.66	1.33
1	32	80	PHE	CE2-CZ	23.61	2.09	1.38
1	36	12	MET	C-N	23.61	1.66	1.33
1	4E	80	PHE	CE2-CZ	23.61	2.09	1.38
1	4I	12	MET	C-N	23.61	1.66	1.33
1	4Q	12	MET	C-N	23.61	1.66	1.33
1	4Y	80	PHE	CE2-CZ	23.61	2.09	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5U	80	PHE	CE2-CZ	23.61	2.09	1.38
1	5Y	12	MET	C-N	23.61	1.66	1.33
1	6E	12	MET	C-N	23.61	1.66	1.33
1	6M	80	PHE	CE2-CZ	23.61	2.09	1.38
1	6U	80	PHE	CE2-CZ	23.61	2.09	1.38
1	6Y	12	MET	C-N	23.61	1.66	1.33
1	7E	80	PHE	CE2-CZ	23.61	2.09	1.38
1	7I	12	MET	C-N	23.61	1.66	1.33
1	7Q	80	PHE	CE2-CZ	23.61	2.09	1.38
1	7U	12	MET	C-N	23.61	1.66	1.33
1	1E	41	ILE	C-O	-23.61	0.99	1.24
1	2M	41	ILE	C-O	-23.61	0.99	1.24
1	22	41	ILE	C-O	-23.61	0.99	1.24
1	3M	41	ILE	C-O	-23.61	0.99	1.24
1	36	41	ILE	C-O	-23.61	0.99	1.24
1	4I	41	ILE	C-O	-23.61	0.99	1.24
1	4Q	41	ILE	C-O	-23.61	0.99	1.24
1	5Y	41	ILE	C-O	-23.61	0.99	1.24
1	6E	41	ILE	C-O	-23.61	0.99	1.24
1	6Y	41	ILE	C-O	-23.61	0.99	1.24
1	7I	41	ILE	C-O	-23.61	0.99	1.24
1	7U	41	ILE	C-O	-23.61	0.99	1.24
1	1Q	80	PHE	CE2-CZ	23.61	2.09	1.38
1	1U	80	PHE	CE2-CZ	23.61	2.09	1.38
1	1Y	80	PHE	CE2-CZ	23.61	2.09	1.38
1	2Q	80	PHE	CE2-CZ	23.61	2.09	1.38
1	2U	80	PHE	CE2-CZ	23.61	2.09	1.38
1	2Y	80	PHE	CE2-CZ	23.61	2.09	1.38
1	42	80	PHE	CE2-CZ	23.61	2.09	1.38
1	46	80	PHE	CE2-CZ	23.61	2.09	1.38
1	5A	80	PHE	CE2-CZ	23.61	2.09	1.38
1	52	80	PHE	CE2-CZ	23.61	2.09	1.38
1	56	80	PHE	CE2-CZ	23.61	2.09	1.38
1	6A	80	PHE	CE2-CZ	23.61	2.09	1.38
1	12	80	PHE	CE2-CZ	23.60	2.09	1.38
1	12	179	VAL	CA-C	23.60	1.82	1.52
1	16	80	PHE	CE2-CZ	23.60	2.09	1.38
1	16	179	VAL	CA-C	23.60	1.82	1.52
1	2A	80	PHE	CE2-CZ	23.60	2.09	1.38
1	2A	179	VAL	CA-C	23.60	1.82	1.52
1	3Q	80	PHE	CE2-CZ	23.60	2.09	1.38
1	3Q	179	VAL	CA-C	23.60	1.82	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3U	80	PHE	CE2-CZ	23.60	2.09	1.38
1	3U	179	VAL	CA-C	23.60	1.82	1.52
1	3Y	80	PHE	CE2-CZ	23.60	2.09	1.38
1	3Y	179	VAL	CA-C	23.60	1.82	1.52
1	5E	80	PHE	CE2-CZ	23.60	2.09	1.38
1	5E	179	VAL	CA-C	23.60	1.82	1.52
1	5I	80	PHE	CE2-CZ	23.60	2.09	1.38
1	5I	179	VAL	CA-C	23.60	1.82	1.52
1	5M	80	PHE	CE2-CZ	23.60	2.09	1.38
1	5M	179	VAL	CA-C	23.60	1.82	1.52
1	62	80	PHE	CE2-CZ	23.60	2.09	1.38
1	62	179	VAL	CA-C	23.60	1.82	1.52
1	66	80	PHE	CE2-CZ	23.60	2.09	1.38
1	66	179	VAL	CA-C	23.60	1.82	1.52
1	7A	80	PHE	CE2-CZ	23.60	2.09	1.38
1	7A	179	VAL	CA-C	23.60	1.82	1.52
1	1A	80	PHE	CE2-CZ	23.60	2.09	1.38
1	1I	80	PHE	CE2-CZ	23.60	2.09	1.38
1	2E	80	PHE	CE2-CZ	23.60	2.09	1.38
1	26	80	PHE	CE2-CZ	23.60	2.09	1.38
1	3E	80	PHE	CE2-CZ	23.60	2.09	1.38
1	4A	80	PHE	CE2-CZ	23.60	2.09	1.38
1	4M	80	PHE	CE2-CZ	23.60	2.09	1.38
1	4U	80	PHE	CE2-CZ	23.60	2.09	1.38
1	5Q	80	PHE	CE2-CZ	23.60	2.09	1.38
1	6I	80	PHE	CE2-CZ	23.60	2.09	1.38
1	6Q	80	PHE	CE2-CZ	23.60	2.09	1.38
1	7M	80	PHE	CE2-CZ	23.60	2.09	1.38
1	1E	80	PHE	CE2-CZ	23.60	2.09	1.38
1	2M	80	PHE	CE2-CZ	23.60	2.09	1.38
1	22	80	PHE	CE2-CZ	23.60	2.09	1.38
1	3M	80	PHE	CE2-CZ	23.60	2.09	1.38
1	36	80	PHE	CE2-CZ	23.60	2.09	1.38
1	4I	80	PHE	CE2-CZ	23.60	2.09	1.38
1	4Q	80	PHE	CE2-CZ	23.60	2.09	1.38
1	5Y	80	PHE	CE2-CZ	23.60	2.09	1.38
1	6E	80	PHE	CE2-CZ	23.60	2.09	1.38
1	6Y	80	PHE	CE2-CZ	23.60	2.09	1.38
1	7I	80	PHE	CE2-CZ	23.60	2.09	1.38
1	7U	80	PHE	CE2-CZ	23.60	2.09	1.38
1	1M	41	ILE	C-O	-23.59	0.99	1.24
1	2I	41	ILE	C-O	-23.59	0.99	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	41	ILE	C-O	-23.59	0.99	1.24
1	3I	41	ILE	C-O	-23.59	0.99	1.24
1	32	41	ILE	C-O	-23.59	0.99	1.24
1	4E	41	ILE	C-O	-23.59	0.99	1.24
1	4Y	41	ILE	C-O	-23.59	0.99	1.24
1	5U	41	ILE	C-O	-23.59	0.99	1.24
1	6M	41	ILE	C-O	-23.59	0.99	1.24
1	6U	41	ILE	C-O	-23.59	0.99	1.24
1	7E	41	ILE	C-O	-23.59	0.99	1.24
1	7Q	41	ILE	C-O	-23.59	0.99	1.24
1	1M	179	VAL	CA-C	23.58	1.82	1.52
1	2I	179	VAL	CA-C	23.58	1.82	1.52
1	3A	179	VAL	CA-C	23.58	1.82	1.52
1	3I	179	VAL	CA-C	23.58	1.82	1.52
1	32	179	VAL	CA-C	23.58	1.82	1.52
1	4E	179	VAL	CA-C	23.58	1.82	1.52
1	4Y	179	VAL	CA-C	23.58	1.82	1.52
1	5U	179	VAL	CA-C	23.58	1.82	1.52
1	6M	179	VAL	CA-C	23.58	1.82	1.52
1	6U	179	VAL	CA-C	23.58	1.82	1.52
1	7E	179	VAL	CA-C	23.58	1.82	1.52
1	7Q	179	VAL	CA-C	23.58	1.82	1.52
1	1A	12	MET	C-N	23.57	1.66	1.33
1	1I	12	MET	C-N	23.57	1.66	1.33
1	2E	12	MET	C-N	23.57	1.66	1.33
1	26	12	MET	C-N	23.57	1.66	1.33
1	3E	12	MET	C-N	23.57	1.66	1.33
1	4A	12	MET	C-N	23.57	1.66	1.33
1	4M	12	MET	C-N	23.57	1.66	1.33
1	4U	12	MET	C-N	23.57	1.66	1.33
1	5Q	12	MET	C-N	23.57	1.66	1.33
1	6I	12	MET	C-N	23.57	1.66	1.33
1	6Q	12	MET	C-N	23.57	1.66	1.33
1	7M	12	MET	C-N	23.57	1.66	1.33
1	1A	41	ILE	C-O	-23.57	0.99	1.24
1	1I	41	ILE	C-O	-23.57	0.99	1.24
1	2E	41	ILE	C-O	-23.57	0.99	1.24
1	26	41	ILE	C-O	-23.57	0.99	1.24
1	3E	41	ILE	C-O	-23.57	0.99	1.24
1	4A	41	ILE	C-O	-23.57	0.99	1.24
1	4M	41	ILE	C-O	-23.57	0.99	1.24
1	4U	41	ILE	C-O	-23.57	0.99	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	41	ILE	C-O	-23.57	0.99	1.24
1	6I	41	ILE	C-O	-23.57	0.99	1.24
1	6Q	41	ILE	C-O	-23.57	0.99	1.24
1	7M	41	ILE	C-O	-23.57	0.99	1.24
1	12	41	ILE	C-O	-23.56	0.99	1.24
1	16	41	ILE	C-O	-23.56	0.99	1.24
1	2A	41	ILE	C-O	-23.56	0.99	1.24
1	3Q	41	ILE	C-O	-23.56	0.99	1.24
1	3U	41	ILE	C-O	-23.56	0.99	1.24
1	3Y	41	ILE	C-O	-23.56	0.99	1.24
1	5E	41	ILE	C-O	-23.56	0.99	1.24
1	5I	41	ILE	C-O	-23.56	0.99	1.24
1	5M	41	ILE	C-O	-23.56	0.99	1.24
1	62	41	ILE	C-O	-23.56	0.99	1.24
1	66	41	ILE	C-O	-23.56	0.99	1.24
1	7A	41	ILE	C-O	-23.56	0.99	1.24
1	1A	179	VAL	CA-C	23.56	1.82	1.52
1	1I	179	VAL	CA-C	23.56	1.82	1.52
1	2E	179	VAL	CA-C	23.56	1.82	1.52
1	26	179	VAL	CA-C	23.56	1.82	1.52
1	3E	179	VAL	CA-C	23.56	1.82	1.52
1	4A	179	VAL	CA-C	23.56	1.82	1.52
1	4M	179	VAL	CA-C	23.56	1.82	1.52
1	4U	179	VAL	CA-C	23.56	1.82	1.52
1	5Q	179	VAL	CA-C	23.56	1.82	1.52
1	6I	179	VAL	CA-C	23.56	1.82	1.52
1	6Q	179	VAL	CA-C	23.56	1.82	1.52
1	7M	179	VAL	CA-C	23.56	1.82	1.52
1	1Q	41	ILE	C-O	-23.54	0.99	1.24
1	1U	41	ILE	C-O	-23.54	0.99	1.24
1	1Y	41	ILE	C-O	-23.54	0.99	1.24
1	2Q	41	ILE	C-O	-23.54	0.99	1.24
1	2U	41	ILE	C-O	-23.54	0.99	1.24
1	2Y	41	ILE	C-O	-23.54	0.99	1.24
1	42	41	ILE	C-O	-23.54	0.99	1.24
1	46	41	ILE	C-O	-23.54	0.99	1.24
1	5A	41	ILE	C-O	-23.54	0.99	1.24
1	52	41	ILE	C-O	-23.54	0.99	1.24
1	56	41	ILE	C-O	-23.54	0.99	1.24
1	6A	41	ILE	C-O	-23.54	0.99	1.24
1	1Q	12	MET	C-N	23.54	1.66	1.33
1	1U	12	MET	C-N	23.54	1.66	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	12	MET	C-N	23.54	1.66	1.33
1	2Q	12	MET	C-N	23.54	1.66	1.33
1	2U	12	MET	C-N	23.54	1.66	1.33
1	2Y	12	MET	C-N	23.54	1.66	1.33
1	42	12	MET	C-N	23.54	1.66	1.33
1	46	12	MET	C-N	23.54	1.66	1.33
1	5A	12	MET	C-N	23.54	1.66	1.33
1	52	12	MET	C-N	23.54	1.66	1.33
1	56	12	MET	C-N	23.54	1.66	1.33
1	6A	12	MET	C-N	23.54	1.66	1.33
1	12	12	MET	C-N	23.52	1.66	1.33
1	16	12	MET	C-N	23.52	1.66	1.33
1	2A	12	MET	C-N	23.52	1.66	1.33
1	3Q	12	MET	C-N	23.52	1.66	1.33
1	3U	12	MET	C-N	23.52	1.66	1.33
1	3Y	12	MET	C-N	23.52	1.66	1.33
1	5E	12	MET	C-N	23.52	1.66	1.33
1	5I	12	MET	C-N	23.52	1.66	1.33
1	5M	12	MET	C-N	23.52	1.66	1.33
1	62	12	MET	C-N	23.52	1.66	1.33
1	66	12	MET	C-N	23.52	1.66	1.33
1	7A	12	MET	C-N	23.52	1.66	1.33
2	1B	43	SER	C-O	-23.52	0.95	1.24
2	1J	43	SER	C-O	-23.52	0.95	1.24
2	2F	43	SER	C-O	-23.52	0.95	1.24
2	27	43	SER	C-O	-23.52	0.95	1.24
2	3F	43	SER	C-O	-23.52	0.95	1.24
2	4B	43	SER	C-O	-23.52	0.95	1.24
2	4N	43	SER	C-O	-23.52	0.95	1.24
2	4V	43	SER	C-O	-23.52	0.95	1.24
2	5R	43	SER	C-O	-23.52	0.95	1.24
2	6J	43	SER	C-O	-23.52	0.95	1.24
2	6R	43	SER	C-O	-23.52	0.95	1.24
2	7N	43	SER	C-O	-23.52	0.95	1.24
2	1R	43	SER	C-O	-23.52	0.95	1.24
2	1V	43	SER	C-O	-23.52	0.95	1.24
2	1Z	43	SER	C-O	-23.52	0.95	1.24
2	2R	43	SER	C-O	-23.52	0.95	1.24
2	2V	43	SER	C-O	-23.52	0.95	1.24
2	2Z	43	SER	C-O	-23.52	0.95	1.24
2	43	43	SER	C-O	-23.52	0.95	1.24
2	47	43	SER	C-O	-23.52	0.95	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	43	SER	C-O	-23.52	0.95	1.24
2	53	43	SER	C-O	-23.52	0.95	1.24
2	57	43	SER	C-O	-23.52	0.95	1.24
2	6B	43	SER	C-O	-23.52	0.95	1.24
2	1F	43	SER	C-O	-23.52	0.95	1.24
2	2N	43	SER	C-O	-23.52	0.95	1.24
2	23	43	SER	C-O	-23.52	0.95	1.24
2	3N	43	SER	C-O	-23.52	0.95	1.24
2	37	43	SER	C-O	-23.52	0.95	1.24
2	4J	43	SER	C-O	-23.52	0.95	1.24
2	4R	43	SER	C-O	-23.52	0.95	1.24
2	5Z	43	SER	C-O	-23.52	0.95	1.24
2	6F	43	SER	C-O	-23.52	0.95	1.24
2	6Z	43	SER	C-O	-23.52	0.95	1.24
2	7J	43	SER	C-O	-23.52	0.95	1.24
2	7V	43	SER	C-O	-23.52	0.95	1.24
2	1N	43	SER	C-O	-23.47	0.95	1.24
2	2J	43	SER	C-O	-23.47	0.95	1.24
2	3B	43	SER	C-O	-23.47	0.95	1.24
2	3J	43	SER	C-O	-23.47	0.95	1.24
2	33	43	SER	C-O	-23.47	0.95	1.24
2	4F	43	SER	C-O	-23.47	0.95	1.24
2	4Z	43	SER	C-O	-23.47	0.95	1.24
2	5V	43	SER	C-O	-23.47	0.95	1.24
2	6N	43	SER	C-O	-23.47	0.95	1.24
2	6V	43	SER	C-O	-23.47	0.95	1.24
2	7F	43	SER	C-O	-23.47	0.95	1.24
2	7R	43	SER	C-O	-23.47	0.95	1.24
2	13	43	SER	C-O	-23.45	0.95	1.24
2	17	43	SER	C-O	-23.45	0.95	1.24
2	2B	43	SER	C-O	-23.45	0.95	1.24
2	3R	43	SER	C-O	-23.45	0.95	1.24
2	3V	43	SER	C-O	-23.45	0.95	1.24
2	3Z	43	SER	C-O	-23.45	0.95	1.24
2	5F	43	SER	C-O	-23.45	0.95	1.24
2	5J	43	SER	C-O	-23.45	0.95	1.24
2	5N	43	SER	C-O	-23.45	0.95	1.24
2	63	43	SER	C-O	-23.45	0.95	1.24
2	67	43	SER	C-O	-23.45	0.95	1.24
2	7B	43	SER	C-O	-23.45	0.95	1.24
1	1E	51	LEU	CB-CG	-23.45	1.06	1.53
1	2M	51	LEU	CB-CG	-23.45	1.06	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	51	LEU	CB-CG	-23.45	1.06	1.53
1	3M	51	LEU	CB-CG	-23.45	1.06	1.53
1	36	51	LEU	CB-CG	-23.45	1.06	1.53
1	4I	51	LEU	CB-CG	-23.45	1.06	1.53
1	4Q	51	LEU	CB-CG	-23.45	1.06	1.53
1	5Y	51	LEU	CB-CG	-23.45	1.06	1.53
1	6E	51	LEU	CB-CG	-23.45	1.06	1.53
1	6Y	51	LEU	CB-CG	-23.45	1.06	1.53
1	7I	51	LEU	CB-CG	-23.45	1.06	1.53
1	7U	51	LEU	CB-CG	-23.45	1.06	1.53
1	1A	51	LEU	CB-CG	-23.44	1.06	1.53
1	1I	51	LEU	CB-CG	-23.44	1.06	1.53
1	2E	51	LEU	CB-CG	-23.44	1.06	1.53
1	26	51	LEU	CB-CG	-23.44	1.06	1.53
1	3E	51	LEU	CB-CG	-23.44	1.06	1.53
1	4A	51	LEU	CB-CG	-23.44	1.06	1.53
1	4M	51	LEU	CB-CG	-23.44	1.06	1.53
1	4U	51	LEU	CB-CG	-23.44	1.06	1.53
1	5Q	51	LEU	CB-CG	-23.44	1.06	1.53
1	6I	51	LEU	CB-CG	-23.44	1.06	1.53
1	6Q	51	LEU	CB-CG	-23.44	1.06	1.53
1	7M	51	LEU	CB-CG	-23.44	1.06	1.53
1	1M	51	LEU	CB-CG	-23.41	1.06	1.53
1	1Q	51	LEU	CB-CG	-23.41	1.06	1.53
1	1U	51	LEU	CB-CG	-23.41	1.06	1.53
1	1Y	51	LEU	CB-CG	-23.41	1.06	1.53
1	2I	51	LEU	CB-CG	-23.41	1.06	1.53
1	2Q	51	LEU	CB-CG	-23.41	1.06	1.53
1	2U	51	LEU	CB-CG	-23.41	1.06	1.53
1	2Y	51	LEU	CB-CG	-23.41	1.06	1.53
1	3A	51	LEU	CB-CG	-23.41	1.06	1.53
1	3I	51	LEU	CB-CG	-23.41	1.06	1.53
1	32	51	LEU	CB-CG	-23.41	1.06	1.53
1	4E	51	LEU	CB-CG	-23.41	1.06	1.53
1	4Y	51	LEU	CB-CG	-23.41	1.06	1.53
1	42	51	LEU	CB-CG	-23.41	1.06	1.53
1	46	51	LEU	CB-CG	-23.41	1.06	1.53
1	5A	51	LEU	CB-CG	-23.41	1.06	1.53
1	5U	51	LEU	CB-CG	-23.41	1.06	1.53
1	52	51	LEU	CB-CG	-23.41	1.06	1.53
1	56	51	LEU	CB-CG	-23.41	1.06	1.53
1	6A	51	LEU	CB-CG	-23.41	1.06	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	51	LEU	CB-CG	-23.41	1.06	1.53
1	6U	51	LEU	CB-CG	-23.41	1.06	1.53
1	7E	51	LEU	CB-CG	-23.41	1.06	1.53
1	7Q	51	LEU	CB-CG	-23.41	1.06	1.53
1	12	51	LEU	CB-CG	-23.41	1.06	1.53
1	16	51	LEU	CB-CG	-23.41	1.06	1.53
1	2A	51	LEU	CB-CG	-23.41	1.06	1.53
1	3Q	51	LEU	CB-CG	-23.41	1.06	1.53
1	3U	51	LEU	CB-CG	-23.41	1.06	1.53
1	3Y	51	LEU	CB-CG	-23.41	1.06	1.53
1	5E	51	LEU	CB-CG	-23.41	1.06	1.53
1	5I	51	LEU	CB-CG	-23.41	1.06	1.53
1	5M	51	LEU	CB-CG	-23.41	1.06	1.53
1	62	51	LEU	CB-CG	-23.41	1.06	1.53
1	66	51	LEU	CB-CG	-23.41	1.06	1.53
1	7A	51	LEU	CB-CG	-23.41	1.06	1.53
2	1R	37	ASN	CA-C	23.25	1.83	1.52
2	1V	37	ASN	CA-C	23.25	1.83	1.52
2	1Z	37	ASN	CA-C	23.25	1.83	1.52
2	2R	37	ASN	CA-C	23.25	1.83	1.52
2	2V	37	ASN	CA-C	23.25	1.83	1.52
2	2Z	37	ASN	CA-C	23.25	1.83	1.52
2	43	37	ASN	CA-C	23.25	1.83	1.52
2	47	37	ASN	CA-C	23.25	1.83	1.52
2	5B	37	ASN	CA-C	23.25	1.83	1.52
2	53	37	ASN	CA-C	23.25	1.83	1.52
2	57	37	ASN	CA-C	23.25	1.83	1.52
2	6B	37	ASN	CA-C	23.25	1.83	1.52
2	13	37	ASN	CA-C	23.24	1.83	1.52
2	17	37	ASN	CA-C	23.24	1.83	1.52
2	2B	37	ASN	CA-C	23.24	1.83	1.52
2	3R	37	ASN	CA-C	23.24	1.83	1.52
2	3V	37	ASN	CA-C	23.24	1.83	1.52
2	3Z	37	ASN	CA-C	23.24	1.83	1.52
2	5F	37	ASN	CA-C	23.24	1.83	1.52
2	5J	37	ASN	CA-C	23.24	1.83	1.52
2	5N	37	ASN	CA-C	23.24	1.83	1.52
2	63	37	ASN	CA-C	23.24	1.83	1.52
2	67	37	ASN	CA-C	23.24	1.83	1.52
2	7B	37	ASN	CA-C	23.24	1.83	1.52
2	1B	37	ASN	CA-C	23.23	1.83	1.52
2	1J	37	ASN	CA-C	23.23	1.83	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	37	ASN	CA-C	23.23	1.83	1.52
2	27	37	ASN	CA-C	23.23	1.83	1.52
2	3F	37	ASN	CA-C	23.23	1.83	1.52
2	4B	37	ASN	CA-C	23.23	1.83	1.52
2	4N	37	ASN	CA-C	23.23	1.83	1.52
2	4V	37	ASN	CA-C	23.23	1.83	1.52
2	5R	37	ASN	CA-C	23.23	1.83	1.52
2	6J	37	ASN	CA-C	23.23	1.83	1.52
2	6R	37	ASN	CA-C	23.23	1.83	1.52
2	7N	37	ASN	CA-C	23.23	1.83	1.52
2	1N	37	ASN	CA-C	23.23	1.83	1.52
2	2J	37	ASN	CA-C	23.23	1.83	1.52
2	3B	37	ASN	CA-C	23.23	1.83	1.52
2	3J	37	ASN	CA-C	23.23	1.83	1.52
2	33	37	ASN	CA-C	23.23	1.83	1.52
2	4F	37	ASN	CA-C	23.23	1.83	1.52
2	4Z	37	ASN	CA-C	23.23	1.83	1.52
2	5V	37	ASN	CA-C	23.23	1.83	1.52
2	6N	37	ASN	CA-C	23.23	1.83	1.52
2	6V	37	ASN	CA-C	23.23	1.83	1.52
2	7F	37	ASN	CA-C	23.23	1.83	1.52
2	7R	37	ASN	CA-C	23.23	1.83	1.52
2	1F	37	ASN	CA-C	23.23	1.83	1.52
2	2N	37	ASN	CA-C	23.23	1.83	1.52
2	23	37	ASN	CA-C	23.23	1.83	1.52
2	3N	37	ASN	CA-C	23.23	1.83	1.52
2	37	37	ASN	CA-C	23.23	1.83	1.52
2	4J	37	ASN	CA-C	23.23	1.83	1.52
2	4R	37	ASN	CA-C	23.23	1.83	1.52
2	5Z	37	ASN	CA-C	23.23	1.83	1.52
2	6F	37	ASN	CA-C	23.23	1.83	1.52
2	6Z	37	ASN	CA-C	23.23	1.83	1.52
2	7J	37	ASN	CA-C	23.23	1.83	1.52
2	7V	37	ASN	CA-C	23.23	1.83	1.52
1	1M	147	ARG	CA-C	-23.23	1.22	1.53
1	2I	147	ARG	CA-C	-23.23	1.22	1.53
1	3A	147	ARG	CA-C	-23.23	1.22	1.53
1	3I	147	ARG	CA-C	-23.23	1.22	1.53
1	32	147	ARG	CA-C	-23.23	1.22	1.53
1	4E	147	ARG	CA-C	-23.23	1.22	1.53
1	4Y	147	ARG	CA-C	-23.23	1.22	1.53
1	5U	147	ARG	CA-C	-23.23	1.22	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	147	ARG	CA-C	-23.23	1.22	1.53
1	6U	147	ARG	CA-C	-23.23	1.22	1.53
1	7E	147	ARG	CA-C	-23.23	1.22	1.53
1	7Q	147	ARG	CA-C	-23.23	1.22	1.53
1	12	147	ARG	CA-C	-23.22	1.22	1.53
1	16	147	ARG	CA-C	-23.22	1.22	1.53
1	2A	147	ARG	CA-C	-23.22	1.22	1.53
1	3Q	147	ARG	CA-C	-23.22	1.22	1.53
1	3U	147	ARG	CA-C	-23.22	1.22	1.53
1	3Y	147	ARG	CA-C	-23.22	1.22	1.53
1	5E	147	ARG	CA-C	-23.22	1.22	1.53
1	5I	147	ARG	CA-C	-23.22	1.22	1.53
1	5M	147	ARG	CA-C	-23.22	1.22	1.53
1	62	147	ARG	CA-C	-23.22	1.22	1.53
1	66	147	ARG	CA-C	-23.22	1.22	1.53
1	7A	147	ARG	CA-C	-23.22	1.22	1.53
1	1A	147	ARG	CA-C	-23.21	1.22	1.53
1	1I	147	ARG	CA-C	-23.21	1.22	1.53
1	2E	147	ARG	CA-C	-23.21	1.22	1.53
1	26	147	ARG	CA-C	-23.21	1.22	1.53
1	3E	147	ARG	CA-C	-23.21	1.22	1.53
1	4A	147	ARG	CA-C	-23.21	1.22	1.53
1	4M	147	ARG	CA-C	-23.21	1.22	1.53
1	4U	147	ARG	CA-C	-23.21	1.22	1.53
1	5Q	147	ARG	CA-C	-23.21	1.22	1.53
1	6I	147	ARG	CA-C	-23.21	1.22	1.53
1	6Q	147	ARG	CA-C	-23.21	1.22	1.53
1	7M	147	ARG	CA-C	-23.21	1.22	1.53
1	1E	147	ARG	CA-C	-23.20	1.22	1.53
1	2M	147	ARG	CA-C	-23.20	1.22	1.53
1	22	147	ARG	CA-C	-23.20	1.22	1.53
1	3M	147	ARG	CA-C	-23.20	1.22	1.53
1	36	147	ARG	CA-C	-23.20	1.22	1.53
1	4I	147	ARG	CA-C	-23.20	1.22	1.53
1	4Q	147	ARG	CA-C	-23.20	1.22	1.53
1	5Y	147	ARG	CA-C	-23.20	1.22	1.53
1	6E	147	ARG	CA-C	-23.20	1.22	1.53
1	6Y	147	ARG	CA-C	-23.20	1.22	1.53
1	7I	147	ARG	CA-C	-23.20	1.22	1.53
1	7U	147	ARG	CA-C	-23.20	1.22	1.53
1	1Q	147	ARG	CA-C	-23.16	1.22	1.53
1	1U	147	ARG	CA-C	-23.16	1.22	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	147	ARG	CA-C	-23.16	1.22	1.53
1	2Q	147	ARG	CA-C	-23.16	1.22	1.53
1	2U	147	ARG	CA-C	-23.16	1.22	1.53
1	2Y	147	ARG	CA-C	-23.16	1.22	1.53
1	42	147	ARG	CA-C	-23.16	1.22	1.53
1	46	147	ARG	CA-C	-23.16	1.22	1.53
1	5A	147	ARG	CA-C	-23.16	1.22	1.53
1	52	147	ARG	CA-C	-23.16	1.22	1.53
1	56	147	ARG	CA-C	-23.16	1.22	1.53
1	6A	147	ARG	CA-C	-23.16	1.22	1.53
2	13	53	LYS	C-O	22.96	1.53	1.24
2	17	53	LYS	C-O	22.96	1.53	1.24
2	2B	53	LYS	C-O	22.96	1.53	1.24
2	3R	53	LYS	C-O	22.96	1.53	1.24
2	3V	53	LYS	C-O	22.96	1.53	1.24
2	3Z	53	LYS	C-O	22.96	1.53	1.24
2	5F	53	LYS	C-O	22.96	1.53	1.24
2	5J	53	LYS	C-O	22.96	1.53	1.24
2	5N	53	LYS	C-O	22.96	1.53	1.24
2	63	53	LYS	C-O	22.96	1.53	1.24
2	67	53	LYS	C-O	22.96	1.53	1.24
2	7B	53	LYS	C-O	22.96	1.53	1.24
2	1B	53	LYS	C-O	22.96	1.53	1.24
2	1J	53	LYS	C-O	22.96	1.53	1.24
2	2F	53	LYS	C-O	22.96	1.53	1.24
2	27	53	LYS	C-O	22.96	1.53	1.24
2	3F	53	LYS	C-O	22.96	1.53	1.24
2	4B	53	LYS	C-O	22.96	1.53	1.24
2	4N	53	LYS	C-O	22.96	1.53	1.24
2	4V	53	LYS	C-O	22.96	1.53	1.24
2	5R	53	LYS	C-O	22.96	1.53	1.24
2	6J	53	LYS	C-O	22.96	1.53	1.24
2	6R	53	LYS	C-O	22.96	1.53	1.24
2	7N	53	LYS	C-O	22.96	1.53	1.24
2	1R	38	VAL	CA-CB	22.96	1.84	1.54
2	1V	38	VAL	CA-CB	22.96	1.84	1.54
2	1Z	38	VAL	CA-CB	22.96	1.84	1.54
2	2R	38	VAL	CA-CB	22.96	1.84	1.54
2	2V	38	VAL	CA-CB	22.96	1.84	1.54
2	2Z	38	VAL	CA-CB	22.96	1.84	1.54
2	43	38	VAL	CA-CB	22.96	1.84	1.54
2	47	38	VAL	CA-CB	22.96	1.84	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	38	VAL	CA-CB	22.96	1.84	1.54
2	53	38	VAL	CA-CB	22.96	1.84	1.54
2	57	38	VAL	CA-CB	22.96	1.84	1.54
2	6B	38	VAL	CA-CB	22.96	1.84	1.54
2	1R	53	LYS	C-O	22.93	1.53	1.24
2	1V	53	LYS	C-O	22.93	1.53	1.24
2	1Z	53	LYS	C-O	22.93	1.53	1.24
2	2R	53	LYS	C-O	22.93	1.53	1.24
2	2V	53	LYS	C-O	22.93	1.53	1.24
2	2Z	53	LYS	C-O	22.93	1.53	1.24
2	43	53	LYS	C-O	22.93	1.53	1.24
2	47	53	LYS	C-O	22.93	1.53	1.24
2	5B	53	LYS	C-O	22.93	1.53	1.24
2	53	53	LYS	C-O	22.93	1.53	1.24
2	57	53	LYS	C-O	22.93	1.53	1.24
2	6B	53	LYS	C-O	22.93	1.53	1.24
2	1N	53	LYS	C-O	22.92	1.53	1.24
2	2J	53	LYS	C-O	22.92	1.53	1.24
2	3B	53	LYS	C-O	22.92	1.53	1.24
2	3J	53	LYS	C-O	22.92	1.53	1.24
2	33	53	LYS	C-O	22.92	1.53	1.24
2	4F	53	LYS	C-O	22.92	1.53	1.24
2	4Z	53	LYS	C-O	22.92	1.53	1.24
2	5V	53	LYS	C-O	22.92	1.53	1.24
2	6N	53	LYS	C-O	22.92	1.53	1.24
2	6V	53	LYS	C-O	22.92	1.53	1.24
2	7F	53	LYS	C-O	22.92	1.53	1.24
2	7R	53	LYS	C-O	22.92	1.53	1.24
2	1B	38	VAL	CA-CB	22.92	1.83	1.54
2	1J	38	VAL	CA-CB	22.92	1.83	1.54
2	2F	38	VAL	CA-CB	22.92	1.83	1.54
2	27	38	VAL	CA-CB	22.92	1.83	1.54
2	3F	38	VAL	CA-CB	22.92	1.83	1.54
2	4B	38	VAL	CA-CB	22.92	1.83	1.54
2	4N	38	VAL	CA-CB	22.92	1.83	1.54
2	4V	38	VAL	CA-CB	22.92	1.83	1.54
2	5R	38	VAL	CA-CB	22.92	1.83	1.54
2	6J	38	VAL	CA-CB	22.92	1.83	1.54
2	6R	38	VAL	CA-CB	22.92	1.83	1.54
2	7N	38	VAL	CA-CB	22.92	1.83	1.54
1	1E	88	GLY	C-O	-22.92	0.96	1.23
1	2M	88	GLY	C-O	-22.92	0.96	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	88	GLY	C-O	-22.92	0.96	1.23
1	3M	88	GLY	C-O	-22.92	0.96	1.23
1	36	88	GLY	C-O	-22.92	0.96	1.23
1	4I	88	GLY	C-O	-22.92	0.96	1.23
1	4Q	88	GLY	C-O	-22.92	0.96	1.23
1	5Y	88	GLY	C-O	-22.92	0.96	1.23
1	6E	88	GLY	C-O	-22.92	0.96	1.23
1	6Y	88	GLY	C-O	-22.92	0.96	1.23
1	7I	88	GLY	C-O	-22.92	0.96	1.23
1	7U	88	GLY	C-O	-22.92	0.96	1.23
2	13	38	VAL	CA-CB	22.90	1.83	1.54
2	17	38	VAL	CA-CB	22.90	1.83	1.54
2	2B	38	VAL	CA-CB	22.90	1.83	1.54
2	3R	38	VAL	CA-CB	22.90	1.83	1.54
2	3V	38	VAL	CA-CB	22.90	1.83	1.54
2	3Z	38	VAL	CA-CB	22.90	1.83	1.54
2	5F	38	VAL	CA-CB	22.90	1.83	1.54
2	5J	38	VAL	CA-CB	22.90	1.83	1.54
2	5N	38	VAL	CA-CB	22.90	1.83	1.54
2	63	38	VAL	CA-CB	22.90	1.83	1.54
2	67	38	VAL	CA-CB	22.90	1.83	1.54
2	7B	38	VAL	CA-CB	22.90	1.83	1.54
2	1F	53	LYS	C-O	22.89	1.53	1.24
2	2N	53	LYS	C-O	22.89	1.53	1.24
2	23	53	LYS	C-O	22.89	1.53	1.24
2	3N	53	LYS	C-O	22.89	1.53	1.24
2	37	53	LYS	C-O	22.89	1.53	1.24
2	4J	53	LYS	C-O	22.89	1.53	1.24
2	4R	53	LYS	C-O	22.89	1.53	1.24
2	5Z	53	LYS	C-O	22.89	1.53	1.24
2	6F	53	LYS	C-O	22.89	1.53	1.24
2	6Z	53	LYS	C-O	22.89	1.53	1.24
2	7J	53	LYS	C-O	22.89	1.53	1.24
2	7V	53	LYS	C-O	22.89	1.53	1.24
2	1F	38	VAL	CA-CB	22.88	1.83	1.54
2	2N	38	VAL	CA-CB	22.88	1.83	1.54
2	23	38	VAL	CA-CB	22.88	1.83	1.54
2	3N	38	VAL	CA-CB	22.88	1.83	1.54
2	37	38	VAL	CA-CB	22.88	1.83	1.54
2	4J	38	VAL	CA-CB	22.88	1.83	1.54
2	4R	38	VAL	CA-CB	22.88	1.83	1.54
2	5Z	38	VAL	CA-CB	22.88	1.83	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	38	VAL	CA-CB	22.88	1.83	1.54
2	6Z	38	VAL	CA-CB	22.88	1.83	1.54
2	7J	38	VAL	CA-CB	22.88	1.83	1.54
2	7V	38	VAL	CA-CB	22.88	1.83	1.54
2	1N	38	VAL	CA-CB	22.88	1.83	1.54
2	2J	38	VAL	CA-CB	22.88	1.83	1.54
2	3B	38	VAL	CA-CB	22.88	1.83	1.54
2	3J	38	VAL	CA-CB	22.88	1.83	1.54
2	33	38	VAL	CA-CB	22.88	1.83	1.54
2	4F	38	VAL	CA-CB	22.88	1.83	1.54
2	4Z	38	VAL	CA-CB	22.88	1.83	1.54
2	5V	38	VAL	CA-CB	22.88	1.83	1.54
2	6N	38	VAL	CA-CB	22.88	1.83	1.54
2	6V	38	VAL	CA-CB	22.88	1.83	1.54
2	7F	38	VAL	CA-CB	22.88	1.83	1.54
2	7R	38	VAL	CA-CB	22.88	1.83	1.54
1	12	88	GLY	C-O	-22.87	0.97	1.23
1	16	88	GLY	C-O	-22.87	0.97	1.23
1	2A	88	GLY	C-O	-22.87	0.97	1.23
1	3Q	88	GLY	C-O	-22.87	0.97	1.23
1	3U	88	GLY	C-O	-22.87	0.97	1.23
1	3Y	88	GLY	C-O	-22.87	0.97	1.23
1	5E	88	GLY	C-O	-22.87	0.97	1.23
1	5I	88	GLY	C-O	-22.87	0.97	1.23
1	5M	88	GLY	C-O	-22.87	0.97	1.23
1	62	88	GLY	C-O	-22.87	0.97	1.23
1	66	88	GLY	C-O	-22.87	0.97	1.23
1	7A	88	GLY	C-O	-22.87	0.97	1.23
1	1Q	88	GLY	C-O	-22.86	0.97	1.23
1	1U	88	GLY	C-O	-22.86	0.97	1.23
1	1Y	88	GLY	C-O	-22.86	0.97	1.23
1	2Q	88	GLY	C-O	-22.86	0.97	1.23
1	2U	88	GLY	C-O	-22.86	0.97	1.23
1	2Y	88	GLY	C-O	-22.86	0.97	1.23
1	42	88	GLY	C-O	-22.86	0.97	1.23
1	46	88	GLY	C-O	-22.86	0.97	1.23
1	5A	88	GLY	C-O	-22.86	0.97	1.23
1	52	88	GLY	C-O	-22.86	0.97	1.23
1	56	88	GLY	C-O	-22.86	0.97	1.23
1	6A	88	GLY	C-O	-22.86	0.97	1.23
1	1A	88	GLY	C-O	-22.84	0.97	1.23
1	1I	88	GLY	C-O	-22.84	0.97	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	88	GLY	C-O	-22.84	0.97	1.23
1	26	88	GLY	C-O	-22.84	0.97	1.23
1	3E	88	GLY	C-O	-22.84	0.97	1.23
1	4A	88	GLY	C-O	-22.84	0.97	1.23
1	4M	88	GLY	C-O	-22.84	0.97	1.23
1	4U	88	GLY	C-O	-22.84	0.97	1.23
1	5Q	88	GLY	C-O	-22.84	0.97	1.23
1	6I	88	GLY	C-O	-22.84	0.97	1.23
1	6Q	88	GLY	C-O	-22.84	0.97	1.23
1	7M	88	GLY	C-O	-22.84	0.97	1.23
1	1M	88	GLY	C-O	-22.82	0.97	1.23
1	2I	88	GLY	C-O	-22.82	0.97	1.23
1	3A	88	GLY	C-O	-22.82	0.97	1.23
1	3I	88	GLY	C-O	-22.82	0.97	1.23
1	32	88	GLY	C-O	-22.82	0.97	1.23
1	4E	88	GLY	C-O	-22.82	0.97	1.23
1	4Y	88	GLY	C-O	-22.82	0.97	1.23
1	5U	88	GLY	C-O	-22.82	0.97	1.23
1	6M	88	GLY	C-O	-22.82	0.97	1.23
1	6U	88	GLY	C-O	-22.82	0.97	1.23
1	7E	88	GLY	C-O	-22.82	0.97	1.23
1	7Q	88	GLY	C-O	-22.82	0.97	1.23
2	1R	220	PHE	CG-CD1	22.61	1.86	1.38
2	1V	220	PHE	CG-CD1	22.61	1.86	1.38
2	1Z	220	PHE	CG-CD1	22.61	1.86	1.38
2	13	32	SER	CB-OG	-22.61	0.96	1.42
2	17	32	SER	CB-OG	-22.61	0.96	1.42
2	2B	32	SER	CB-OG	-22.61	0.96	1.42
2	2R	220	PHE	CG-CD1	22.61	1.86	1.38
2	2V	220	PHE	CG-CD1	22.61	1.86	1.38
2	2Z	220	PHE	CG-CD1	22.61	1.86	1.38
2	3R	32	SER	CB-OG	-22.61	0.96	1.42
2	3V	32	SER	CB-OG	-22.61	0.96	1.42
2	3Z	32	SER	CB-OG	-22.61	0.96	1.42
2	43	220	PHE	CG-CD1	22.61	1.86	1.38
2	47	220	PHE	CG-CD1	22.61	1.86	1.38
2	5B	220	PHE	CG-CD1	22.61	1.86	1.38
2	5F	32	SER	CB-OG	-22.61	0.96	1.42
2	5J	32	SER	CB-OG	-22.61	0.96	1.42
2	5N	32	SER	CB-OG	-22.61	0.96	1.42
2	53	220	PHE	CG-CD1	22.61	1.86	1.38
2	57	220	PHE	CG-CD1	22.61	1.86	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	220	PHE	CG-CD1	22.61	1.86	1.38
2	63	32	SER	CB-OG	-22.61	0.96	1.42
2	67	32	SER	CB-OG	-22.61	0.96	1.42
2	7B	32	SER	CB-OG	-22.61	0.96	1.42
2	1N	32	SER	CB-OG	-22.61	0.96	1.42
2	13	220	PHE	CG-CD1	22.61	1.86	1.38
2	17	220	PHE	CG-CD1	22.61	1.86	1.38
2	2B	220	PHE	CG-CD1	22.61	1.86	1.38
2	2J	32	SER	CB-OG	-22.61	0.96	1.42
2	3B	32	SER	CB-OG	-22.61	0.96	1.42
2	3J	32	SER	CB-OG	-22.61	0.96	1.42
2	3R	220	PHE	CG-CD1	22.61	1.86	1.38
2	3V	220	PHE	CG-CD1	22.61	1.86	1.38
2	3Z	220	PHE	CG-CD1	22.61	1.86	1.38
2	33	32	SER	CB-OG	-22.61	0.96	1.42
2	4F	32	SER	CB-OG	-22.61	0.96	1.42
2	4Z	32	SER	CB-OG	-22.61	0.96	1.42
2	5F	220	PHE	CG-CD1	22.61	1.86	1.38
2	5J	220	PHE	CG-CD1	22.61	1.86	1.38
2	5N	220	PHE	CG-CD1	22.61	1.86	1.38
2	5V	32	SER	CB-OG	-22.61	0.96	1.42
2	6N	32	SER	CB-OG	-22.61	0.96	1.42
2	6V	32	SER	CB-OG	-22.61	0.96	1.42
2	63	220	PHE	CG-CD1	22.61	1.86	1.38
2	67	220	PHE	CG-CD1	22.61	1.86	1.38
2	7B	220	PHE	CG-CD1	22.61	1.86	1.38
2	7F	32	SER	CB-OG	-22.61	0.96	1.42
2	7R	32	SER	CB-OG	-22.61	0.96	1.42
1	1A	43	HIS	CA-CB	22.60	1.91	1.53
1	1I	43	HIS	CA-CB	22.60	1.91	1.53
1	2E	43	HIS	CA-CB	22.60	1.91	1.53
1	26	43	HIS	CA-CB	22.60	1.91	1.53
1	3E	43	HIS	CA-CB	22.60	1.91	1.53
1	4A	43	HIS	CA-CB	22.60	1.91	1.53
1	4M	43	HIS	CA-CB	22.60	1.91	1.53
1	4U	43	HIS	CA-CB	22.60	1.91	1.53
1	5Q	43	HIS	CA-CB	22.60	1.91	1.53
1	6I	43	HIS	CA-CB	22.60	1.91	1.53
1	6Q	43	HIS	CA-CB	22.60	1.91	1.53
1	7M	43	HIS	CA-CB	22.60	1.91	1.53
2	1B	32	SER	CB-OG	-22.60	0.96	1.42
2	1J	32	SER	CB-OG	-22.60	0.96	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	32	SER	CB-OG	-22.60	0.96	1.42
2	27	32	SER	CB-OG	-22.60	0.96	1.42
2	3F	32	SER	CB-OG	-22.60	0.96	1.42
2	4B	32	SER	CB-OG	-22.60	0.96	1.42
2	4N	32	SER	CB-OG	-22.60	0.96	1.42
2	4V	32	SER	CB-OG	-22.60	0.96	1.42
2	5R	32	SER	CB-OG	-22.60	0.96	1.42
2	6J	32	SER	CB-OG	-22.60	0.96	1.42
2	6R	32	SER	CB-OG	-22.60	0.96	1.42
2	7N	32	SER	CB-OG	-22.60	0.96	1.42
1	12	43	HIS	CA-CB	22.60	1.91	1.53
1	16	43	HIS	CA-CB	22.60	1.91	1.53
1	2A	43	HIS	CA-CB	22.60	1.91	1.53
1	3Q	43	HIS	CA-CB	22.60	1.91	1.53
1	3U	43	HIS	CA-CB	22.60	1.91	1.53
1	3Y	43	HIS	CA-CB	22.60	1.91	1.53
1	5E	43	HIS	CA-CB	22.60	1.91	1.53
1	5I	43	HIS	CA-CB	22.60	1.91	1.53
1	5M	43	HIS	CA-CB	22.60	1.91	1.53
1	62	43	HIS	CA-CB	22.60	1.91	1.53
1	66	43	HIS	CA-CB	22.60	1.91	1.53
1	7A	43	HIS	CA-CB	22.60	1.91	1.53
1	1M	43	HIS	CA-CB	22.60	1.91	1.53
1	2I	43	HIS	CA-CB	22.60	1.91	1.53
1	3A	43	HIS	CA-CB	22.60	1.91	1.53
1	3I	43	HIS	CA-CB	22.60	1.91	1.53
1	32	43	HIS	CA-CB	22.60	1.91	1.53
1	4E	43	HIS	CA-CB	22.60	1.91	1.53
1	4Y	43	HIS	CA-CB	22.60	1.91	1.53
1	5U	43	HIS	CA-CB	22.60	1.91	1.53
1	6M	43	HIS	CA-CB	22.60	1.91	1.53
1	6U	43	HIS	CA-CB	22.60	1.91	1.53
1	7E	43	HIS	CA-CB	22.60	1.91	1.53
1	7Q	43	HIS	CA-CB	22.60	1.91	1.53
2	1N	220	PHE	CG-CD1	22.59	1.86	1.38
2	2J	220	PHE	CG-CD1	22.59	1.86	1.38
2	3B	220	PHE	CG-CD1	22.59	1.86	1.38
2	3J	220	PHE	CG-CD1	22.59	1.86	1.38
2	33	220	PHE	CG-CD1	22.59	1.86	1.38
2	4F	220	PHE	CG-CD1	22.59	1.86	1.38
2	4Z	220	PHE	CG-CD1	22.59	1.86	1.38
2	5V	220	PHE	CG-CD1	22.59	1.86	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	220	PHE	CG-CD1	22.59	1.86	1.38
2	6V	220	PHE	CG-CD1	22.59	1.86	1.38
2	7F	220	PHE	CG-CD1	22.59	1.86	1.38
2	7R	220	PHE	CG-CD1	22.59	1.86	1.38
2	1B	220	PHE	CG-CD1	22.59	1.86	1.38
2	1J	220	PHE	CG-CD1	22.59	1.86	1.38
2	2F	220	PHE	CG-CD1	22.59	1.86	1.38
2	27	220	PHE	CG-CD1	22.59	1.86	1.38
2	3F	220	PHE	CG-CD1	22.59	1.86	1.38
2	4B	220	PHE	CG-CD1	22.59	1.86	1.38
2	4N	220	PHE	CG-CD1	22.59	1.86	1.38
2	4V	220	PHE	CG-CD1	22.59	1.86	1.38
2	5R	220	PHE	CG-CD1	22.59	1.86	1.38
2	6J	220	PHE	CG-CD1	22.59	1.86	1.38
2	6R	220	PHE	CG-CD1	22.59	1.86	1.38
2	7N	220	PHE	CG-CD1	22.59	1.86	1.38
2	1F	32	SER	CB-OG	-22.59	0.96	1.42
2	2N	32	SER	CB-OG	-22.59	0.96	1.42
2	23	32	SER	CB-OG	-22.59	0.96	1.42
2	3N	32	SER	CB-OG	-22.59	0.96	1.42
2	37	32	SER	CB-OG	-22.59	0.96	1.42
2	4J	32	SER	CB-OG	-22.59	0.96	1.42
2	4R	32	SER	CB-OG	-22.59	0.96	1.42
2	5Z	32	SER	CB-OG	-22.59	0.96	1.42
2	6F	32	SER	CB-OG	-22.59	0.96	1.42
2	6Z	32	SER	CB-OG	-22.59	0.96	1.42
2	7J	32	SER	CB-OG	-22.59	0.96	1.42
2	7V	32	SER	CB-OG	-22.59	0.96	1.42
2	1N	35	PHE	C-O	-22.59	0.94	1.23
2	2J	35	PHE	C-O	-22.59	0.94	1.23
2	3B	35	PHE	C-O	-22.59	0.94	1.23
2	3J	35	PHE	C-O	-22.59	0.94	1.23
2	33	35	PHE	C-O	-22.59	0.94	1.23
2	4F	35	PHE	C-O	-22.59	0.94	1.23
2	4Z	35	PHE	C-O	-22.59	0.94	1.23
2	5V	35	PHE	C-O	-22.59	0.94	1.23
2	6N	35	PHE	C-O	-22.59	0.94	1.23
2	6V	35	PHE	C-O	-22.59	0.94	1.23
2	7F	35	PHE	C-O	-22.59	0.94	1.23
2	7R	35	PHE	C-O	-22.59	0.94	1.23
2	1B	35	PHE	C-O	-22.58	0.94	1.23
2	1J	35	PHE	C-O	-22.58	0.94	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1R	32	SER	CB-OG	-22.58	0.96	1.42
2	1V	32	SER	CB-OG	-22.58	0.96	1.42
2	1Z	32	SER	CB-OG	-22.58	0.96	1.42
2	2F	35	PHE	C-O	-22.58	0.94	1.23
2	2R	32	SER	CB-OG	-22.58	0.96	1.42
2	2V	32	SER	CB-OG	-22.58	0.96	1.42
2	2Z	32	SER	CB-OG	-22.58	0.96	1.42
2	27	35	PHE	C-O	-22.58	0.94	1.23
2	3F	35	PHE	C-O	-22.58	0.94	1.23
2	4B	35	PHE	C-O	-22.58	0.94	1.23
2	4N	35	PHE	C-O	-22.58	0.94	1.23
2	4V	35	PHE	C-O	-22.58	0.94	1.23
2	43	32	SER	CB-OG	-22.58	0.96	1.42
2	47	32	SER	CB-OG	-22.58	0.96	1.42
2	5B	32	SER	CB-OG	-22.58	0.96	1.42
2	5R	35	PHE	C-O	-22.58	0.94	1.23
2	53	32	SER	CB-OG	-22.58	0.96	1.42
2	57	32	SER	CB-OG	-22.58	0.96	1.42
2	6B	32	SER	CB-OG	-22.58	0.96	1.42
2	6J	35	PHE	C-O	-22.58	0.94	1.23
2	6R	35	PHE	C-O	-22.58	0.94	1.23
2	7N	35	PHE	C-O	-22.58	0.94	1.23
2	1F	35	PHE	C-O	-22.58	0.94	1.23
2	2N	35	PHE	C-O	-22.58	0.94	1.23
2	23	35	PHE	C-O	-22.58	0.94	1.23
2	3N	35	PHE	C-O	-22.58	0.94	1.23
2	37	35	PHE	C-O	-22.58	0.94	1.23
2	4J	35	PHE	C-O	-22.58	0.94	1.23
2	4R	35	PHE	C-O	-22.58	0.94	1.23
2	5Z	35	PHE	C-O	-22.58	0.94	1.23
2	6F	35	PHE	C-O	-22.58	0.94	1.23
2	6Z	35	PHE	C-O	-22.58	0.94	1.23
2	7J	35	PHE	C-O	-22.58	0.94	1.23
2	7V	35	PHE	C-O	-22.58	0.94	1.23
1	1E	43	HIS	CA-CB	22.58	1.91	1.53
2	1F	220	PHE	CG-CD1	22.58	1.86	1.38
1	1Q	43	HIS	CA-CB	22.58	1.91	1.53
1	1U	43	HIS	CA-CB	22.58	1.91	1.53
1	1Y	43	HIS	CA-CB	22.58	1.91	1.53
1	2M	43	HIS	CA-CB	22.58	1.91	1.53
2	2N	220	PHE	CG-CD1	22.58	1.86	1.38
1	2Q	43	HIS	CA-CB	22.58	1.91	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2U	43	HIS	CA-CB	22.58	1.91	1.53
1	2Y	43	HIS	CA-CB	22.58	1.91	1.53
1	22	43	HIS	CA-CB	22.58	1.91	1.53
2	23	220	PHE	CG-CD1	22.58	1.86	1.38
1	3M	43	HIS	CA-CB	22.58	1.91	1.53
2	3N	220	PHE	CG-CD1	22.58	1.86	1.38
1	36	43	HIS	CA-CB	22.58	1.91	1.53
2	37	220	PHE	CG-CD1	22.58	1.86	1.38
1	4I	43	HIS	CA-CB	22.58	1.91	1.53
2	4J	220	PHE	CG-CD1	22.58	1.86	1.38
1	4Q	43	HIS	CA-CB	22.58	1.91	1.53
2	4R	220	PHE	CG-CD1	22.58	1.86	1.38
1	42	43	HIS	CA-CB	22.58	1.91	1.53
1	46	43	HIS	CA-CB	22.58	1.91	1.53
1	5A	43	HIS	CA-CB	22.58	1.91	1.53
1	5Y	43	HIS	CA-CB	22.58	1.91	1.53
2	5Z	220	PHE	CG-CD1	22.58	1.86	1.38
1	52	43	HIS	CA-CB	22.58	1.91	1.53
1	56	43	HIS	CA-CB	22.58	1.91	1.53
1	6A	43	HIS	CA-CB	22.58	1.91	1.53
1	6E	43	HIS	CA-CB	22.58	1.91	1.53
2	6F	220	PHE	CG-CD1	22.58	1.86	1.38
1	6Y	43	HIS	CA-CB	22.58	1.91	1.53
2	6Z	220	PHE	CG-CD1	22.58	1.86	1.38
1	7I	43	HIS	CA-CB	22.58	1.91	1.53
2	7J	220	PHE	CG-CD1	22.58	1.86	1.38
1	7U	43	HIS	CA-CB	22.58	1.91	1.53
2	7V	220	PHE	CG-CD1	22.58	1.86	1.38
1	1Q	28	GLY	CA-C	22.55	1.77	1.52
1	1U	28	GLY	CA-C	22.55	1.77	1.52
1	1Y	28	GLY	CA-C	22.55	1.77	1.52
2	13	35	PHE	C-O	-22.55	0.94	1.23
2	17	35	PHE	C-O	-22.55	0.94	1.23
2	2B	35	PHE	C-O	-22.55	0.94	1.23
1	2Q	28	GLY	CA-C	22.55	1.77	1.52
1	2U	28	GLY	CA-C	22.55	1.77	1.52
1	2Y	28	GLY	CA-C	22.55	1.77	1.52
2	3R	35	PHE	C-O	-22.55	0.94	1.23
2	3V	35	PHE	C-O	-22.55	0.94	1.23
2	3Z	35	PHE	C-O	-22.55	0.94	1.23
1	42	28	GLY	CA-C	22.55	1.77	1.52
1	46	28	GLY	CA-C	22.55	1.77	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	28	GLY	CA-C	22.55	1.77	1.52
2	5F	35	PHE	C-O	-22.55	0.94	1.23
2	5J	35	PHE	C-O	-22.55	0.94	1.23
2	5N	35	PHE	C-O	-22.55	0.94	1.23
1	52	28	GLY	CA-C	22.55	1.77	1.52
1	56	28	GLY	CA-C	22.55	1.77	1.52
1	6A	28	GLY	CA-C	22.55	1.77	1.52
2	63	35	PHE	C-O	-22.55	0.94	1.23
2	67	35	PHE	C-O	-22.55	0.94	1.23
2	7B	35	PHE	C-O	-22.55	0.94	1.23
1	12	28	GLY	CA-C	22.54	1.77	1.52
1	16	28	GLY	CA-C	22.54	1.77	1.52
1	2A	28	GLY	CA-C	22.54	1.77	1.52
1	3Q	28	GLY	CA-C	22.54	1.77	1.52
1	3U	28	GLY	CA-C	22.54	1.77	1.52
1	3Y	28	GLY	CA-C	22.54	1.77	1.52
1	5E	28	GLY	CA-C	22.54	1.77	1.52
1	5I	28	GLY	CA-C	22.54	1.77	1.52
1	5M	28	GLY	CA-C	22.54	1.77	1.52
1	62	28	GLY	CA-C	22.54	1.77	1.52
1	66	28	GLY	CA-C	22.54	1.77	1.52
1	7A	28	GLY	CA-C	22.54	1.77	1.52
2	1R	35	PHE	C-O	-22.54	0.94	1.23
2	1V	35	PHE	C-O	-22.54	0.94	1.23
2	1Z	35	PHE	C-O	-22.54	0.94	1.23
2	2R	35	PHE	C-O	-22.54	0.94	1.23
2	2V	35	PHE	C-O	-22.54	0.94	1.23
2	2Z	35	PHE	C-O	-22.54	0.94	1.23
2	43	35	PHE	C-O	-22.54	0.94	1.23
2	47	35	PHE	C-O	-22.54	0.94	1.23
2	5B	35	PHE	C-O	-22.54	0.94	1.23
2	53	35	PHE	C-O	-22.54	0.94	1.23
2	57	35	PHE	C-O	-22.54	0.94	1.23
2	6B	35	PHE	C-O	-22.54	0.94	1.23
1	1E	28	GLY	CA-C	22.53	1.77	1.52
1	2M	28	GLY	CA-C	22.53	1.77	1.52
1	22	28	GLY	CA-C	22.53	1.77	1.52
1	3M	28	GLY	CA-C	22.53	1.77	1.52
1	36	28	GLY	CA-C	22.53	1.77	1.52
1	4I	28	GLY	CA-C	22.53	1.77	1.52
1	4Q	28	GLY	CA-C	22.53	1.77	1.52
1	5Y	28	GLY	CA-C	22.53	1.77	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	28	GLY	CA-C	22.53	1.77	1.52
1	6Y	28	GLY	CA-C	22.53	1.77	1.52
1	7I	28	GLY	CA-C	22.53	1.77	1.52
1	7U	28	GLY	CA-C	22.53	1.77	1.52
1	1M	28	GLY	CA-C	22.53	1.77	1.52
1	2I	28	GLY	CA-C	22.53	1.77	1.52
1	3A	28	GLY	CA-C	22.53	1.77	1.52
1	3I	28	GLY	CA-C	22.53	1.77	1.52
1	32	28	GLY	CA-C	22.53	1.77	1.52
1	4E	28	GLY	CA-C	22.53	1.77	1.52
1	4Y	28	GLY	CA-C	22.53	1.77	1.52
1	5U	28	GLY	CA-C	22.53	1.77	1.52
1	6M	28	GLY	CA-C	22.53	1.77	1.52
1	6U	28	GLY	CA-C	22.53	1.77	1.52
1	7E	28	GLY	CA-C	22.53	1.77	1.52
1	7Q	28	GLY	CA-C	22.53	1.77	1.52
1	1A	28	GLY	CA-C	22.48	1.77	1.52
1	1I	28	GLY	CA-C	22.48	1.77	1.52
1	2E	28	GLY	CA-C	22.48	1.77	1.52
1	26	28	GLY	CA-C	22.48	1.77	1.52
1	3E	28	GLY	CA-C	22.48	1.77	1.52
1	4A	28	GLY	CA-C	22.48	1.77	1.52
1	4M	28	GLY	CA-C	22.48	1.77	1.52
1	4U	28	GLY	CA-C	22.48	1.77	1.52
1	5Q	28	GLY	CA-C	22.48	1.77	1.52
1	6I	28	GLY	CA-C	22.48	1.77	1.52
1	6Q	28	GLY	CA-C	22.48	1.77	1.52
1	7M	28	GLY	CA-C	22.48	1.77	1.52
1	1E	68	SER	C-N	-22.34	1.03	1.33
1	2M	68	SER	C-N	-22.34	1.03	1.33
1	22	68	SER	C-N	-22.34	1.03	1.33
1	3M	68	SER	C-N	-22.34	1.03	1.33
1	36	68	SER	C-N	-22.34	1.03	1.33
1	4I	68	SER	C-N	-22.34	1.03	1.33
1	4Q	68	SER	C-N	-22.34	1.03	1.33
1	5Y	68	SER	C-N	-22.34	1.03	1.33
1	6E	68	SER	C-N	-22.34	1.03	1.33
1	6Y	68	SER	C-N	-22.34	1.03	1.33
1	7I	68	SER	C-N	-22.34	1.03	1.33
1	7U	68	SER	C-N	-22.34	1.03	1.33
1	1Q	68	SER	C-N	-22.33	1.03	1.33
1	1U	68	SER	C-N	-22.33	1.03	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	68	SER	C-N	-22.33	1.03	1.33
1	2Q	68	SER	C-N	-22.33	1.03	1.33
1	2U	68	SER	C-N	-22.33	1.03	1.33
1	2Y	68	SER	C-N	-22.33	1.03	1.33
1	42	68	SER	C-N	-22.33	1.03	1.33
1	46	68	SER	C-N	-22.33	1.03	1.33
1	5A	68	SER	C-N	-22.33	1.03	1.33
1	52	68	SER	C-N	-22.33	1.03	1.33
1	56	68	SER	C-N	-22.33	1.03	1.33
1	6A	68	SER	C-N	-22.33	1.03	1.33
1	1A	68	SER	C-N	-22.32	1.03	1.33
1	1I	68	SER	C-N	-22.32	1.03	1.33
1	2E	68	SER	C-N	-22.32	1.03	1.33
1	26	68	SER	C-N	-22.32	1.03	1.33
1	3E	68	SER	C-N	-22.32	1.03	1.33
1	4A	68	SER	C-N	-22.32	1.03	1.33
1	4M	68	SER	C-N	-22.32	1.03	1.33
1	4U	68	SER	C-N	-22.32	1.03	1.33
1	5Q	68	SER	C-N	-22.32	1.03	1.33
1	6I	68	SER	C-N	-22.32	1.03	1.33
1	6Q	68	SER	C-N	-22.32	1.03	1.33
1	7M	68	SER	C-N	-22.32	1.03	1.33
1	12	68	SER	C-N	-22.30	1.03	1.33
1	16	68	SER	C-N	-22.30	1.03	1.33
1	2A	68	SER	C-N	-22.30	1.03	1.33
1	3Q	68	SER	C-N	-22.30	1.03	1.33
1	3U	68	SER	C-N	-22.30	1.03	1.33
1	3Y	68	SER	C-N	-22.30	1.03	1.33
1	5E	68	SER	C-N	-22.30	1.03	1.33
1	5I	68	SER	C-N	-22.30	1.03	1.33
1	5M	68	SER	C-N	-22.30	1.03	1.33
1	62	68	SER	C-N	-22.30	1.03	1.33
1	66	68	SER	C-N	-22.30	1.03	1.33
1	7A	68	SER	C-N	-22.30	1.03	1.33
1	1E	48	TYR	CE2-CZ	22.29	1.91	1.38
1	2M	48	TYR	CE2-CZ	22.29	1.91	1.38
1	22	48	TYR	CE2-CZ	22.29	1.91	1.38
1	3M	48	TYR	CE2-CZ	22.29	1.91	1.38
1	36	48	TYR	CE2-CZ	22.29	1.91	1.38
1	4I	48	TYR	CE2-CZ	22.29	1.91	1.38
1	4Q	48	TYR	CE2-CZ	22.29	1.91	1.38
1	5Y	48	TYR	CE2-CZ	22.29	1.91	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	48	TYR	CE2-CZ	22.29	1.91	1.38
1	6Y	48	TYR	CE2-CZ	22.29	1.91	1.38
1	7I	48	TYR	CE2-CZ	22.29	1.91	1.38
1	7U	48	TYR	CE2-CZ	22.29	1.91	1.38
1	1A	48	TYR	CE2-CZ	22.29	1.91	1.38
1	1I	48	TYR	CE2-CZ	22.29	1.91	1.38
1	2E	48	TYR	CE2-CZ	22.29	1.91	1.38
1	26	48	TYR	CE2-CZ	22.29	1.91	1.38
1	3E	48	TYR	CE2-CZ	22.29	1.91	1.38
1	4A	48	TYR	CE2-CZ	22.29	1.91	1.38
1	4M	48	TYR	CE2-CZ	22.29	1.91	1.38
1	4U	48	TYR	CE2-CZ	22.29	1.91	1.38
1	5Q	48	TYR	CE2-CZ	22.29	1.91	1.38
1	6I	48	TYR	CE2-CZ	22.29	1.91	1.38
1	6Q	48	TYR	CE2-CZ	22.29	1.91	1.38
1	7M	48	TYR	CE2-CZ	22.29	1.91	1.38
1	12	48	TYR	CE2-CZ	22.29	1.91	1.38
1	16	48	TYR	CE2-CZ	22.29	1.91	1.38
1	2A	48	TYR	CE2-CZ	22.29	1.91	1.38
1	3Q	48	TYR	CE2-CZ	22.29	1.91	1.38
1	3U	48	TYR	CE2-CZ	22.29	1.91	1.38
1	3Y	48	TYR	CE2-CZ	22.29	1.91	1.38
1	5E	48	TYR	CE2-CZ	22.29	1.91	1.38
1	5I	48	TYR	CE2-CZ	22.29	1.91	1.38
1	5M	48	TYR	CE2-CZ	22.29	1.91	1.38
1	62	48	TYR	CE2-CZ	22.29	1.91	1.38
1	66	48	TYR	CE2-CZ	22.29	1.91	1.38
1	7A	48	TYR	CE2-CZ	22.29	1.91	1.38
1	1Q	48	TYR	CE2-CZ	22.27	1.91	1.38
1	1U	48	TYR	CE2-CZ	22.27	1.91	1.38
1	1Y	48	TYR	CE2-CZ	22.27	1.91	1.38
1	2Q	48	TYR	CE2-CZ	22.27	1.91	1.38
1	2U	48	TYR	CE2-CZ	22.27	1.91	1.38
1	2Y	48	TYR	CE2-CZ	22.27	1.91	1.38
1	42	48	TYR	CE2-CZ	22.27	1.91	1.38
1	46	48	TYR	CE2-CZ	22.27	1.91	1.38
1	5A	48	TYR	CE2-CZ	22.27	1.91	1.38
1	52	48	TYR	CE2-CZ	22.27	1.91	1.38
1	56	48	TYR	CE2-CZ	22.27	1.91	1.38
1	6A	48	TYR	CE2-CZ	22.27	1.91	1.38
1	1M	48	TYR	CE2-CZ	22.27	1.91	1.38
1	2I	48	TYR	CE2-CZ	22.27	1.91	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	48	TYR	CE2-CZ	22.27	1.91	1.38
1	3I	48	TYR	CE2-CZ	22.27	1.91	1.38
1	32	48	TYR	CE2-CZ	22.27	1.91	1.38
1	4E	48	TYR	CE2-CZ	22.27	1.91	1.38
1	4Y	48	TYR	CE2-CZ	22.27	1.91	1.38
1	5U	48	TYR	CE2-CZ	22.27	1.91	1.38
1	6M	48	TYR	CE2-CZ	22.27	1.91	1.38
1	6U	48	TYR	CE2-CZ	22.27	1.91	1.38
1	7E	48	TYR	CE2-CZ	22.27	1.91	1.38
1	7Q	48	TYR	CE2-CZ	22.27	1.91	1.38
2	1R	57	LYS	C-N	-22.25	1.02	1.33
2	1V	57	LYS	C-N	-22.25	1.02	1.33
2	1Z	57	LYS	C-N	-22.25	1.02	1.33
2	2R	57	LYS	C-N	-22.25	1.02	1.33
2	2V	57	LYS	C-N	-22.25	1.02	1.33
2	2Z	57	LYS	C-N	-22.25	1.02	1.33
2	43	57	LYS	C-N	-22.25	1.02	1.33
2	47	57	LYS	C-N	-22.25	1.02	1.33
2	5B	57	LYS	C-N	-22.25	1.02	1.33
2	53	57	LYS	C-N	-22.25	1.02	1.33
2	57	57	LYS	C-N	-22.25	1.02	1.33
2	6B	57	LYS	C-N	-22.25	1.02	1.33
1	1M	68	SER	C-N	-22.25	1.04	1.33
1	2I	68	SER	C-N	-22.25	1.04	1.33
1	3A	68	SER	C-N	-22.25	1.04	1.33
1	3I	68	SER	C-N	-22.25	1.04	1.33
1	32	68	SER	C-N	-22.25	1.04	1.33
1	4E	68	SER	C-N	-22.25	1.04	1.33
1	4Y	68	SER	C-N	-22.25	1.04	1.33
1	5U	68	SER	C-N	-22.25	1.04	1.33
1	6M	68	SER	C-N	-22.25	1.04	1.33
1	6U	68	SER	C-N	-22.25	1.04	1.33
1	7E	68	SER	C-N	-22.25	1.04	1.33
1	7Q	68	SER	C-N	-22.25	1.04	1.33
2	1B	57	LYS	C-N	-22.25	1.02	1.33
2	1J	57	LYS	C-N	-22.25	1.02	1.33
2	2F	57	LYS	C-N	-22.25	1.02	1.33
2	27	57	LYS	C-N	-22.25	1.02	1.33
2	3F	57	LYS	C-N	-22.25	1.02	1.33
2	4B	57	LYS	C-N	-22.25	1.02	1.33
2	4N	57	LYS	C-N	-22.25	1.02	1.33
2	4V	57	LYS	C-N	-22.25	1.02	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	57	LYS	C-N	-22.25	1.02	1.33
2	6J	57	LYS	C-N	-22.25	1.02	1.33
2	6R	57	LYS	C-N	-22.25	1.02	1.33
2	7N	57	LYS	C-N	-22.25	1.02	1.33
2	13	57	LYS	C-N	-22.24	1.02	1.33
2	17	57	LYS	C-N	-22.24	1.02	1.33
2	2B	57	LYS	C-N	-22.24	1.02	1.33
2	3R	57	LYS	C-N	-22.24	1.02	1.33
2	3V	57	LYS	C-N	-22.24	1.02	1.33
2	3Z	57	LYS	C-N	-22.24	1.02	1.33
2	5F	57	LYS	C-N	-22.24	1.02	1.33
2	5J	57	LYS	C-N	-22.24	1.02	1.33
2	5N	57	LYS	C-N	-22.24	1.02	1.33
2	63	57	LYS	C-N	-22.24	1.02	1.33
2	67	57	LYS	C-N	-22.24	1.02	1.33
2	7B	57	LYS	C-N	-22.24	1.02	1.33
2	1N	57	LYS	C-N	-22.21	1.02	1.33
2	2J	57	LYS	C-N	-22.21	1.02	1.33
2	3B	57	LYS	C-N	-22.21	1.02	1.33
2	3J	57	LYS	C-N	-22.21	1.02	1.33
2	33	57	LYS	C-N	-22.21	1.02	1.33
2	4F	57	LYS	C-N	-22.21	1.02	1.33
2	4Z	57	LYS	C-N	-22.21	1.02	1.33
2	5V	57	LYS	C-N	-22.21	1.02	1.33
2	6N	57	LYS	C-N	-22.21	1.02	1.33
2	6V	57	LYS	C-N	-22.21	1.02	1.33
2	7F	57	LYS	C-N	-22.21	1.02	1.33
2	7R	57	LYS	C-N	-22.21	1.02	1.33
2	1N	10	GLN	N-CA	-22.21	1.17	1.46
2	2J	10	GLN	N-CA	-22.21	1.17	1.46
2	3B	10	GLN	N-CA	-22.21	1.17	1.46
2	3J	10	GLN	N-CA	-22.21	1.17	1.46
2	33	10	GLN	N-CA	-22.21	1.17	1.46
2	4F	10	GLN	N-CA	-22.21	1.17	1.46
2	4Z	10	GLN	N-CA	-22.21	1.17	1.46
2	5V	10	GLN	N-CA	-22.21	1.17	1.46
2	6N	10	GLN	N-CA	-22.21	1.17	1.46
2	6V	10	GLN	N-CA	-22.21	1.17	1.46
2	7F	10	GLN	N-CA	-22.21	1.17	1.46
2	7R	10	GLN	N-CA	-22.21	1.17	1.46
2	1B	10	GLN	N-CA	-22.20	1.17	1.46
2	1J	10	GLN	N-CA	-22.20	1.17	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	10	GLN	N-CA	-22.20	1.17	1.46
2	27	10	GLN	N-CA	-22.20	1.17	1.46
2	3F	10	GLN	N-CA	-22.20	1.17	1.46
2	4B	10	GLN	N-CA	-22.20	1.17	1.46
2	4N	10	GLN	N-CA	-22.20	1.17	1.46
2	4V	10	GLN	N-CA	-22.20	1.17	1.46
2	5R	10	GLN	N-CA	-22.20	1.17	1.46
2	6J	10	GLN	N-CA	-22.20	1.17	1.46
2	6R	10	GLN	N-CA	-22.20	1.17	1.46
2	7N	10	GLN	N-CA	-22.20	1.17	1.46
2	1F	10	GLN	N-CA	-22.20	1.17	1.46
2	2N	10	GLN	N-CA	-22.20	1.17	1.46
2	23	10	GLN	N-CA	-22.20	1.17	1.46
2	3N	10	GLN	N-CA	-22.20	1.17	1.46
2	37	10	GLN	N-CA	-22.20	1.17	1.46
2	4J	10	GLN	N-CA	-22.20	1.17	1.46
2	4R	10	GLN	N-CA	-22.20	1.17	1.46
2	5Z	10	GLN	N-CA	-22.20	1.17	1.46
2	6F	10	GLN	N-CA	-22.20	1.17	1.46
2	6Z	10	GLN	N-CA	-22.20	1.17	1.46
2	7J	10	GLN	N-CA	-22.20	1.17	1.46
2	7V	10	GLN	N-CA	-22.20	1.17	1.46
2	1F	57	LYS	C-N	-22.20	1.02	1.33
2	2N	57	LYS	C-N	-22.20	1.02	1.33
2	23	57	LYS	C-N	-22.20	1.02	1.33
2	3N	57	LYS	C-N	-22.20	1.02	1.33
2	37	57	LYS	C-N	-22.20	1.02	1.33
2	4J	57	LYS	C-N	-22.20	1.02	1.33
2	4R	57	LYS	C-N	-22.20	1.02	1.33
2	5Z	57	LYS	C-N	-22.20	1.02	1.33
2	6F	57	LYS	C-N	-22.20	1.02	1.33
2	6Z	57	LYS	C-N	-22.20	1.02	1.33
2	7J	57	LYS	C-N	-22.20	1.02	1.33
2	7V	57	LYS	C-N	-22.20	1.02	1.33
2	1R	10	GLN	N-CA	-22.19	1.17	1.46
2	1V	10	GLN	N-CA	-22.19	1.17	1.46
2	1Z	10	GLN	N-CA	-22.19	1.17	1.46
2	2R	10	GLN	N-CA	-22.19	1.17	1.46
2	2V	10	GLN	N-CA	-22.19	1.17	1.46
2	2Z	10	GLN	N-CA	-22.19	1.17	1.46
2	43	10	GLN	N-CA	-22.19	1.17	1.46
2	47	10	GLN	N-CA	-22.19	1.17	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	10	GLN	N-CA	-22.19	1.17	1.46
2	53	10	GLN	N-CA	-22.19	1.17	1.46
2	57	10	GLN	N-CA	-22.19	1.17	1.46
2	6B	10	GLN	N-CA	-22.19	1.17	1.46
2	13	10	GLN	N-CA	-22.19	1.17	1.46
2	17	10	GLN	N-CA	-22.19	1.17	1.46
2	2B	10	GLN	N-CA	-22.19	1.17	1.46
2	3R	10	GLN	N-CA	-22.19	1.17	1.46
2	3V	10	GLN	N-CA	-22.19	1.17	1.46
2	3Z	10	GLN	N-CA	-22.19	1.17	1.46
2	5F	10	GLN	N-CA	-22.19	1.17	1.46
2	5J	10	GLN	N-CA	-22.19	1.17	1.46
2	5N	10	GLN	N-CA	-22.19	1.17	1.46
2	63	10	GLN	N-CA	-22.19	1.17	1.46
2	67	10	GLN	N-CA	-22.19	1.17	1.46
2	7B	10	GLN	N-CA	-22.19	1.17	1.46
1	1M	30	PHE	C-N	22.14	1.65	1.33
1	2I	30	PHE	C-N	22.14	1.65	1.33
1	3A	30	PHE	C-N	22.14	1.65	1.33
1	3I	30	PHE	C-N	22.14	1.65	1.33
1	32	30	PHE	C-N	22.14	1.65	1.33
1	4E	30	PHE	C-N	22.14	1.65	1.33
1	4Y	30	PHE	C-N	22.14	1.65	1.33
1	5U	30	PHE	C-N	22.14	1.65	1.33
1	6M	30	PHE	C-N	22.14	1.65	1.33
1	6U	30	PHE	C-N	22.14	1.65	1.33
1	7E	30	PHE	C-N	22.14	1.65	1.33
1	7Q	30	PHE	C-N	22.14	1.65	1.33
1	1M	51	LEU	C-O	-22.14	0.92	1.23
1	2I	51	LEU	C-O	-22.14	0.92	1.23
1	3A	51	LEU	C-O	-22.14	0.92	1.23
1	3I	51	LEU	C-O	-22.14	0.92	1.23
1	32	51	LEU	C-O	-22.14	0.92	1.23
1	4E	51	LEU	C-O	-22.14	0.92	1.23
1	4Y	51	LEU	C-O	-22.14	0.92	1.23
1	5U	51	LEU	C-O	-22.14	0.92	1.23
1	6M	51	LEU	C-O	-22.14	0.92	1.23
1	6U	51	LEU	C-O	-22.14	0.92	1.23
1	7E	51	LEU	C-O	-22.14	0.92	1.23
1	7Q	51	LEU	C-O	-22.14	0.92	1.23
1	12	30	PHE	C-N	22.13	1.65	1.33
1	16	30	PHE	C-N	22.13	1.65	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	30	PHE	C-N	22.13	1.65	1.33
1	3Q	30	PHE	C-N	22.13	1.65	1.33
1	3U	30	PHE	C-N	22.13	1.65	1.33
1	3Y	30	PHE	C-N	22.13	1.65	1.33
1	5E	30	PHE	C-N	22.13	1.65	1.33
1	5I	30	PHE	C-N	22.13	1.65	1.33
1	5M	30	PHE	C-N	22.13	1.65	1.33
1	62	30	PHE	C-N	22.13	1.65	1.33
1	66	30	PHE	C-N	22.13	1.65	1.33
1	7A	30	PHE	C-N	22.13	1.65	1.33
1	1A	30	PHE	C-N	22.12	1.65	1.33
1	1I	30	PHE	C-N	22.12	1.65	1.33
1	2E	30	PHE	C-N	22.12	1.65	1.33
1	26	30	PHE	C-N	22.12	1.65	1.33
1	3E	30	PHE	C-N	22.12	1.65	1.33
1	4A	30	PHE	C-N	22.12	1.65	1.33
1	4M	30	PHE	C-N	22.12	1.65	1.33
1	4U	30	PHE	C-N	22.12	1.65	1.33
1	5Q	30	PHE	C-N	22.12	1.65	1.33
1	6I	30	PHE	C-N	22.12	1.65	1.33
1	6Q	30	PHE	C-N	22.12	1.65	1.33
1	7M	30	PHE	C-N	22.12	1.65	1.33
1	1E	30	PHE	C-N	22.10	1.65	1.33
1	2M	30	PHE	C-N	22.10	1.65	1.33
1	22	30	PHE	C-N	22.10	1.65	1.33
1	3M	30	PHE	C-N	22.10	1.65	1.33
1	36	30	PHE	C-N	22.10	1.65	1.33
1	4I	30	PHE	C-N	22.10	1.65	1.33
1	4Q	30	PHE	C-N	22.10	1.65	1.33
1	5Y	30	PHE	C-N	22.10	1.65	1.33
1	6E	30	PHE	C-N	22.10	1.65	1.33
1	6Y	30	PHE	C-N	22.10	1.65	1.33
1	7I	30	PHE	C-N	22.10	1.65	1.33
1	7U	30	PHE	C-N	22.10	1.65	1.33
1	12	51	LEU	C-O	-22.09	0.93	1.23
1	16	51	LEU	C-O	-22.09	0.93	1.23
1	2A	51	LEU	C-O	-22.09	0.93	1.23
1	3Q	51	LEU	C-O	-22.09	0.93	1.23
1	3U	51	LEU	C-O	-22.09	0.93	1.23
1	3Y	51	LEU	C-O	-22.09	0.93	1.23
1	5E	51	LEU	C-O	-22.09	0.93	1.23
1	5I	51	LEU	C-O	-22.09	0.93	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	51	LEU	C-O	-22.09	0.93	1.23
1	62	51	LEU	C-O	-22.09	0.93	1.23
1	66	51	LEU	C-O	-22.09	0.93	1.23
1	7A	51	LEU	C-O	-22.09	0.93	1.23
1	1A	51	LEU	C-O	-22.09	0.93	1.23
1	1I	51	LEU	C-O	-22.09	0.93	1.23
1	2E	51	LEU	C-O	-22.09	0.93	1.23
1	26	51	LEU	C-O	-22.09	0.93	1.23
1	3E	51	LEU	C-O	-22.09	0.93	1.23
1	4A	51	LEU	C-O	-22.09	0.93	1.23
1	4M	51	LEU	C-O	-22.09	0.93	1.23
1	4U	51	LEU	C-O	-22.09	0.93	1.23
1	5Q	51	LEU	C-O	-22.09	0.93	1.23
1	6I	51	LEU	C-O	-22.09	0.93	1.23
1	6Q	51	LEU	C-O	-22.09	0.93	1.23
1	7M	51	LEU	C-O	-22.09	0.93	1.23
1	1Q	30	PHE	C-N	22.08	1.65	1.33
1	1U	30	PHE	C-N	22.08	1.65	1.33
1	1Y	30	PHE	C-N	22.08	1.65	1.33
1	2Q	30	PHE	C-N	22.08	1.65	1.33
1	2U	30	PHE	C-N	22.08	1.65	1.33
1	2Y	30	PHE	C-N	22.08	1.65	1.33
1	42	30	PHE	C-N	22.08	1.65	1.33
1	46	30	PHE	C-N	22.08	1.65	1.33
1	5A	30	PHE	C-N	22.08	1.65	1.33
1	52	30	PHE	C-N	22.08	1.65	1.33
1	56	30	PHE	C-N	22.08	1.65	1.33
1	6A	30	PHE	C-N	22.08	1.65	1.33
1	1Q	51	LEU	C-O	-22.06	0.93	1.23
1	1U	51	LEU	C-O	-22.06	0.93	1.23
1	1Y	51	LEU	C-O	-22.06	0.93	1.23
1	2Q	51	LEU	C-O	-22.06	0.93	1.23
1	2U	51	LEU	C-O	-22.06	0.93	1.23
1	2Y	51	LEU	C-O	-22.06	0.93	1.23
1	42	51	LEU	C-O	-22.06	0.93	1.23
1	46	51	LEU	C-O	-22.06	0.93	1.23
1	5A	51	LEU	C-O	-22.06	0.93	1.23
1	52	51	LEU	C-O	-22.06	0.93	1.23
1	56	51	LEU	C-O	-22.06	0.93	1.23
1	6A	51	LEU	C-O	-22.06	0.93	1.23
1	1E	51	LEU	C-O	-22.04	0.93	1.23
1	2M	51	LEU	C-O	-22.04	0.93	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	51	LEU	C-O	-22.04	0.93	1.23
1	3M	51	LEU	C-O	-22.04	0.93	1.23
1	36	51	LEU	C-O	-22.04	0.93	1.23
1	4I	51	LEU	C-O	-22.04	0.93	1.23
1	4Q	51	LEU	C-O	-22.04	0.93	1.23
1	5Y	51	LEU	C-O	-22.04	0.93	1.23
1	6E	51	LEU	C-O	-22.04	0.93	1.23
1	6Y	51	LEU	C-O	-22.04	0.93	1.23
1	7I	51	LEU	C-O	-22.04	0.93	1.23
1	7U	51	LEU	C-O	-22.04	0.93	1.23
2	1F	107	PHE	CB-CG	22.01	2.01	1.50
2	2N	107	PHE	CB-CG	22.01	2.01	1.50
2	23	107	PHE	CB-CG	22.01	2.01	1.50
2	3N	107	PHE	CB-CG	22.01	2.01	1.50
2	37	107	PHE	CB-CG	22.01	2.01	1.50
2	4J	107	PHE	CB-CG	22.01	2.01	1.50
2	4R	107	PHE	CB-CG	22.01	2.01	1.50
2	5Z	107	PHE	CB-CG	22.01	2.01	1.50
2	6F	107	PHE	CB-CG	22.01	2.01	1.50
2	6Z	107	PHE	CB-CG	22.01	2.01	1.50
2	7J	107	PHE	CB-CG	22.01	2.01	1.50
2	7V	107	PHE	CB-CG	22.01	2.01	1.50
2	1B	107	PHE	CB-CG	22.00	2.01	1.50
2	1J	107	PHE	CB-CG	22.00	2.01	1.50
2	2F	107	PHE	CB-CG	22.00	2.01	1.50
2	27	107	PHE	CB-CG	22.00	2.01	1.50
2	3F	107	PHE	CB-CG	22.00	2.01	1.50
2	4B	107	PHE	CB-CG	22.00	2.01	1.50
2	4N	107	PHE	CB-CG	22.00	2.01	1.50
2	4V	107	PHE	CB-CG	22.00	2.01	1.50
2	5R	107	PHE	CB-CG	22.00	2.01	1.50
2	6J	107	PHE	CB-CG	22.00	2.01	1.50
2	6R	107	PHE	CB-CG	22.00	2.01	1.50
2	7N	107	PHE	CB-CG	22.00	2.01	1.50
2	1R	107	PHE	CB-CG	22.00	2.01	1.50
2	1V	107	PHE	CB-CG	22.00	2.01	1.50
2	1Z	107	PHE	CB-CG	22.00	2.01	1.50
2	2R	107	PHE	CB-CG	22.00	2.01	1.50
2	2V	107	PHE	CB-CG	22.00	2.01	1.50
2	2Z	107	PHE	CB-CG	22.00	2.01	1.50
2	43	107	PHE	CB-CG	22.00	2.01	1.50
2	47	107	PHE	CB-CG	22.00	2.01	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	107	PHE	CB-CG	22.00	2.01	1.50
2	53	107	PHE	CB-CG	22.00	2.01	1.50
2	57	107	PHE	CB-CG	22.00	2.01	1.50
2	6B	107	PHE	CB-CG	22.00	2.01	1.50
2	1N	107	PHE	CB-CG	22.00	2.01	1.50
2	2J	107	PHE	CB-CG	22.00	2.01	1.50
2	3B	107	PHE	CB-CG	22.00	2.01	1.50
2	3J	107	PHE	CB-CG	22.00	2.01	1.50
2	33	107	PHE	CB-CG	22.00	2.01	1.50
2	4F	107	PHE	CB-CG	22.00	2.01	1.50
2	4Z	107	PHE	CB-CG	22.00	2.01	1.50
2	5V	107	PHE	CB-CG	22.00	2.01	1.50
2	6N	107	PHE	CB-CG	22.00	2.01	1.50
2	6V	107	PHE	CB-CG	22.00	2.01	1.50
2	7F	107	PHE	CB-CG	22.00	2.01	1.50
2	7R	107	PHE	CB-CG	22.00	2.01	1.50
2	1B	1	ALA	N-CA	22.00	1.88	1.46
2	1J	1	ALA	N-CA	22.00	1.88	1.46
2	2F	1	ALA	N-CA	22.00	1.88	1.46
2	27	1	ALA	N-CA	22.00	1.88	1.46
2	3F	1	ALA	N-CA	22.00	1.88	1.46
2	4B	1	ALA	N-CA	22.00	1.88	1.46
2	4N	1	ALA	N-CA	22.00	1.88	1.46
2	4V	1	ALA	N-CA	22.00	1.88	1.46
2	5R	1	ALA	N-CA	22.00	1.88	1.46
2	6J	1	ALA	N-CA	22.00	1.88	1.46
2	6R	1	ALA	N-CA	22.00	1.88	1.46
2	7N	1	ALA	N-CA	22.00	1.88	1.46
2	13	107	PHE	CB-CG	21.99	2.01	1.50
2	17	107	PHE	CB-CG	21.99	2.01	1.50
2	2B	107	PHE	CB-CG	21.99	2.01	1.50
2	3R	107	PHE	CB-CG	21.99	2.01	1.50
2	3V	107	PHE	CB-CG	21.99	2.01	1.50
2	3Z	107	PHE	CB-CG	21.99	2.01	1.50
2	5F	107	PHE	CB-CG	21.99	2.01	1.50
2	5J	107	PHE	CB-CG	21.99	2.01	1.50
2	5N	107	PHE	CB-CG	21.99	2.01	1.50
2	63	107	PHE	CB-CG	21.99	2.01	1.50
2	67	107	PHE	CB-CG	21.99	2.01	1.50
2	7B	107	PHE	CB-CG	21.99	2.01	1.50
2	1N	1	ALA	N-CA	21.99	1.88	1.46
2	2J	1	ALA	N-CA	21.99	1.88	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	1	ALA	N-CA	21.99	1.88	1.46
2	3J	1	ALA	N-CA	21.99	1.88	1.46
2	33	1	ALA	N-CA	21.99	1.88	1.46
2	4F	1	ALA	N-CA	21.99	1.88	1.46
2	4Z	1	ALA	N-CA	21.99	1.88	1.46
2	5V	1	ALA	N-CA	21.99	1.88	1.46
2	6N	1	ALA	N-CA	21.99	1.88	1.46
2	6V	1	ALA	N-CA	21.99	1.88	1.46
2	7F	1	ALA	N-CA	21.99	1.88	1.46
2	7R	1	ALA	N-CA	21.99	1.88	1.46
2	1R	1	ALA	N-CA	21.97	1.88	1.46
2	1V	1	ALA	N-CA	21.97	1.88	1.46
2	1Z	1	ALA	N-CA	21.97	1.88	1.46
2	2R	1	ALA	N-CA	21.97	1.88	1.46
2	2V	1	ALA	N-CA	21.97	1.88	1.46
2	2Z	1	ALA	N-CA	21.97	1.88	1.46
2	43	1	ALA	N-CA	21.97	1.88	1.46
2	47	1	ALA	N-CA	21.97	1.88	1.46
2	5B	1	ALA	N-CA	21.97	1.88	1.46
2	53	1	ALA	N-CA	21.97	1.88	1.46
2	57	1	ALA	N-CA	21.97	1.88	1.46
2	6B	1	ALA	N-CA	21.97	1.88	1.46
2	13	1	ALA	N-CA	21.96	1.88	1.46
2	17	1	ALA	N-CA	21.96	1.88	1.46
2	2B	1	ALA	N-CA	21.96	1.88	1.46
2	3R	1	ALA	N-CA	21.96	1.88	1.46
2	3V	1	ALA	N-CA	21.96	1.88	1.46
2	3Z	1	ALA	N-CA	21.96	1.88	1.46
2	5F	1	ALA	N-CA	21.96	1.88	1.46
2	5J	1	ALA	N-CA	21.96	1.88	1.46
2	5N	1	ALA	N-CA	21.96	1.88	1.46
2	63	1	ALA	N-CA	21.96	1.88	1.46
2	67	1	ALA	N-CA	21.96	1.88	1.46
2	7B	1	ALA	N-CA	21.96	1.88	1.46
2	1F	1	ALA	N-CA	21.95	1.88	1.46
2	2N	1	ALA	N-CA	21.95	1.88	1.46
2	23	1	ALA	N-CA	21.95	1.88	1.46
2	3N	1	ALA	N-CA	21.95	1.88	1.46
2	37	1	ALA	N-CA	21.95	1.88	1.46
2	4J	1	ALA	N-CA	21.95	1.88	1.46
2	4R	1	ALA	N-CA	21.95	1.88	1.46
2	5Z	1	ALA	N-CA	21.95	1.88	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	1	ALA	N-CA	21.95	1.88	1.46
2	6Z	1	ALA	N-CA	21.95	1.88	1.46
2	7J	1	ALA	N-CA	21.95	1.88	1.46
2	7V	1	ALA	N-CA	21.95	1.88	1.46
1	1E	29	TYR	C-O	-21.88	0.96	1.24
1	2M	29	TYR	C-O	-21.88	0.96	1.24
1	22	29	TYR	C-O	-21.88	0.96	1.24
1	3M	29	TYR	C-O	-21.88	0.96	1.24
1	36	29	TYR	C-O	-21.88	0.96	1.24
1	4I	29	TYR	C-O	-21.88	0.96	1.24
1	4Q	29	TYR	C-O	-21.88	0.96	1.24
1	5Y	29	TYR	C-O	-21.88	0.96	1.24
1	6E	29	TYR	C-O	-21.88	0.96	1.24
1	6Y	29	TYR	C-O	-21.88	0.96	1.24
1	7I	29	TYR	C-O	-21.88	0.96	1.24
1	7U	29	TYR	C-O	-21.88	0.96	1.24
2	1N	46	TYR	CZ-OH	21.88	1.83	1.38
1	12	29	TYR	C-O	-21.88	0.96	1.24
1	16	29	TYR	C-O	-21.88	0.96	1.24
1	2A	29	TYR	C-O	-21.88	0.96	1.24
2	2J	46	TYR	CZ-OH	21.88	1.83	1.38
2	3B	46	TYR	CZ-OH	21.88	1.83	1.38
2	3J	46	TYR	CZ-OH	21.88	1.83	1.38
1	3Q	29	TYR	C-O	-21.88	0.96	1.24
1	3U	29	TYR	C-O	-21.88	0.96	1.24
1	3Y	29	TYR	C-O	-21.88	0.96	1.24
2	33	46	TYR	CZ-OH	21.88	1.83	1.38
2	4F	46	TYR	CZ-OH	21.88	1.83	1.38
2	4Z	46	TYR	CZ-OH	21.88	1.83	1.38
1	5E	29	TYR	C-O	-21.88	0.96	1.24
1	5I	29	TYR	C-O	-21.88	0.96	1.24
1	5M	29	TYR	C-O	-21.88	0.96	1.24
2	5V	46	TYR	CZ-OH	21.88	1.83	1.38
2	6N	46	TYR	CZ-OH	21.88	1.83	1.38
2	6V	46	TYR	CZ-OH	21.88	1.83	1.38
1	62	29	TYR	C-O	-21.88	0.96	1.24
1	66	29	TYR	C-O	-21.88	0.96	1.24
1	7A	29	TYR	C-O	-21.88	0.96	1.24
2	7F	46	TYR	CZ-OH	21.88	1.83	1.38
2	7R	46	TYR	CZ-OH	21.88	1.83	1.38
2	1R	46	TYR	CZ-OH	21.87	1.83	1.38
2	1V	46	TYR	CZ-OH	21.87	1.83	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	46	TYR	CZ-OH	21.87	1.83	1.38
2	2R	46	TYR	CZ-OH	21.87	1.83	1.38
2	2V	46	TYR	CZ-OH	21.87	1.83	1.38
2	2Z	46	TYR	CZ-OH	21.87	1.83	1.38
2	43	46	TYR	CZ-OH	21.87	1.83	1.38
2	47	46	TYR	CZ-OH	21.87	1.83	1.38
2	5B	46	TYR	CZ-OH	21.87	1.83	1.38
2	53	46	TYR	CZ-OH	21.87	1.83	1.38
2	57	46	TYR	CZ-OH	21.87	1.83	1.38
2	6B	46	TYR	CZ-OH	21.87	1.83	1.38
1	1A	29	TYR	C-O	-21.86	0.96	1.24
1	1I	29	TYR	C-O	-21.86	0.96	1.24
1	2E	29	TYR	C-O	-21.86	0.96	1.24
1	26	29	TYR	C-O	-21.86	0.96	1.24
1	3E	29	TYR	C-O	-21.86	0.96	1.24
1	4A	29	TYR	C-O	-21.86	0.96	1.24
1	4M	29	TYR	C-O	-21.86	0.96	1.24
1	4U	29	TYR	C-O	-21.86	0.96	1.24
1	5Q	29	TYR	C-O	-21.86	0.96	1.24
1	6I	29	TYR	C-O	-21.86	0.96	1.24
1	6Q	29	TYR	C-O	-21.86	0.96	1.24
1	7M	29	TYR	C-O	-21.86	0.96	1.24
1	1M	29	TYR	C-O	-21.86	0.96	1.24
1	2I	29	TYR	C-O	-21.86	0.96	1.24
1	3A	29	TYR	C-O	-21.86	0.96	1.24
1	3I	29	TYR	C-O	-21.86	0.96	1.24
1	32	29	TYR	C-O	-21.86	0.96	1.24
1	4E	29	TYR	C-O	-21.86	0.96	1.24
1	4Y	29	TYR	C-O	-21.86	0.96	1.24
1	5U	29	TYR	C-O	-21.86	0.96	1.24
1	6M	29	TYR	C-O	-21.86	0.96	1.24
1	6U	29	TYR	C-O	-21.86	0.96	1.24
1	7E	29	TYR	C-O	-21.86	0.96	1.24
1	7Q	29	TYR	C-O	-21.86	0.96	1.24
2	1B	46	TYR	CZ-OH	21.85	1.83	1.38
2	1J	46	TYR	CZ-OH	21.85	1.83	1.38
2	2F	46	TYR	CZ-OH	21.85	1.83	1.38
2	27	46	TYR	CZ-OH	21.85	1.83	1.38
2	3F	46	TYR	CZ-OH	21.85	1.83	1.38
2	4B	46	TYR	CZ-OH	21.85	1.83	1.38
2	4N	46	TYR	CZ-OH	21.85	1.83	1.38
2	4V	46	TYR	CZ-OH	21.85	1.83	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	46	TYR	CZ-OH	21.85	1.83	1.38
2	6J	46	TYR	CZ-OH	21.85	1.83	1.38
2	6R	46	TYR	CZ-OH	21.85	1.83	1.38
2	7N	46	TYR	CZ-OH	21.85	1.83	1.38
1	1Q	29	TYR	C-O	-21.84	0.96	1.24
1	1U	29	TYR	C-O	-21.84	0.96	1.24
1	1Y	29	TYR	C-O	-21.84	0.96	1.24
1	2Q	29	TYR	C-O	-21.84	0.96	1.24
1	2U	29	TYR	C-O	-21.84	0.96	1.24
1	2Y	29	TYR	C-O	-21.84	0.96	1.24
1	42	29	TYR	C-O	-21.84	0.96	1.24
1	46	29	TYR	C-O	-21.84	0.96	1.24
1	5A	29	TYR	C-O	-21.84	0.96	1.24
1	52	29	TYR	C-O	-21.84	0.96	1.24
1	56	29	TYR	C-O	-21.84	0.96	1.24
1	6A	29	TYR	C-O	-21.84	0.96	1.24
2	13	46	TYR	CZ-OH	21.83	1.83	1.38
2	17	46	TYR	CZ-OH	21.83	1.83	1.38
2	2B	46	TYR	CZ-OH	21.83	1.83	1.38
2	3R	46	TYR	CZ-OH	21.83	1.83	1.38
2	3V	46	TYR	CZ-OH	21.83	1.83	1.38
2	3Z	46	TYR	CZ-OH	21.83	1.83	1.38
2	5F	46	TYR	CZ-OH	21.83	1.83	1.38
2	5J	46	TYR	CZ-OH	21.83	1.83	1.38
2	5N	46	TYR	CZ-OH	21.83	1.83	1.38
2	63	46	TYR	CZ-OH	21.83	1.83	1.38
2	67	46	TYR	CZ-OH	21.83	1.83	1.38
2	7B	46	TYR	CZ-OH	21.83	1.83	1.38
2	1F	46	TYR	CZ-OH	21.82	1.83	1.38
2	1R	9	VAL	C-N	21.82	1.64	1.33
2	1V	9	VAL	C-N	21.82	1.64	1.33
2	1Z	9	VAL	C-N	21.82	1.64	1.33
2	2N	46	TYR	CZ-OH	21.82	1.83	1.38
2	2R	9	VAL	C-N	21.82	1.64	1.33
2	2V	9	VAL	C-N	21.82	1.64	1.33
2	2Z	9	VAL	C-N	21.82	1.64	1.33
2	23	46	TYR	CZ-OH	21.82	1.83	1.38
2	3N	46	TYR	CZ-OH	21.82	1.83	1.38
2	37	46	TYR	CZ-OH	21.82	1.83	1.38
2	4J	46	TYR	CZ-OH	21.82	1.83	1.38
2	4R	46	TYR	CZ-OH	21.82	1.83	1.38
2	43	9	VAL	C-N	21.82	1.64	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	9	VAL	C-N	21.82	1.64	1.33
2	5B	9	VAL	C-N	21.82	1.64	1.33
2	5Z	46	TYR	CZ-OH	21.82	1.83	1.38
2	53	9	VAL	C-N	21.82	1.64	1.33
2	57	9	VAL	C-N	21.82	1.64	1.33
2	6B	9	VAL	C-N	21.82	1.64	1.33
2	6F	46	TYR	CZ-OH	21.82	1.83	1.38
2	6Z	46	TYR	CZ-OH	21.82	1.83	1.38
2	7J	46	TYR	CZ-OH	21.82	1.83	1.38
2	7V	46	TYR	CZ-OH	21.82	1.83	1.38
2	13	9	VAL	C-N	21.82	1.64	1.33
2	17	9	VAL	C-N	21.82	1.64	1.33
2	2B	9	VAL	C-N	21.82	1.64	1.33
2	3R	9	VAL	C-N	21.82	1.64	1.33
2	3V	9	VAL	C-N	21.82	1.64	1.33
2	3Z	9	VAL	C-N	21.82	1.64	1.33
2	5F	9	VAL	C-N	21.82	1.64	1.33
2	5J	9	VAL	C-N	21.82	1.64	1.33
2	5N	9	VAL	C-N	21.82	1.64	1.33
2	63	9	VAL	C-N	21.82	1.64	1.33
2	67	9	VAL	C-N	21.82	1.64	1.33
2	7B	9	VAL	C-N	21.82	1.64	1.33
2	1N	9	VAL	C-N	21.81	1.64	1.33
2	2J	9	VAL	C-N	21.81	1.64	1.33
2	3B	9	VAL	C-N	21.81	1.64	1.33
2	3J	9	VAL	C-N	21.81	1.64	1.33
2	33	9	VAL	C-N	21.81	1.64	1.33
2	4F	9	VAL	C-N	21.81	1.64	1.33
2	4Z	9	VAL	C-N	21.81	1.64	1.33
2	5V	9	VAL	C-N	21.81	1.64	1.33
2	6N	9	VAL	C-N	21.81	1.64	1.33
2	6V	9	VAL	C-N	21.81	1.64	1.33
2	7F	9	VAL	C-N	21.81	1.64	1.33
2	7R	9	VAL	C-N	21.81	1.64	1.33
2	1B	9	VAL	C-N	21.81	1.64	1.33
2	1J	9	VAL	C-N	21.81	1.64	1.33
2	2F	9	VAL	C-N	21.81	1.64	1.33
2	27	9	VAL	C-N	21.81	1.64	1.33
2	3F	9	VAL	C-N	21.81	1.64	1.33
2	4B	9	VAL	C-N	21.81	1.64	1.33
2	4N	9	VAL	C-N	21.81	1.64	1.33
2	4V	9	VAL	C-N	21.81	1.64	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	9	VAL	C-N	21.81	1.64	1.33
2	6J	9	VAL	C-N	21.81	1.64	1.33
2	6R	9	VAL	C-N	21.81	1.64	1.33
2	7N	9	VAL	C-N	21.81	1.64	1.33
1	1Q	166	MET	C-N	21.80	1.65	1.33
1	1U	166	MET	C-N	21.80	1.65	1.33
1	1Y	166	MET	C-N	21.80	1.65	1.33
1	2Q	166	MET	C-N	21.80	1.65	1.33
1	2U	166	MET	C-N	21.80	1.65	1.33
1	2Y	166	MET	C-N	21.80	1.65	1.33
1	42	166	MET	C-N	21.80	1.65	1.33
1	46	166	MET	C-N	21.80	1.65	1.33
1	5A	166	MET	C-N	21.80	1.65	1.33
1	52	166	MET	C-N	21.80	1.65	1.33
1	56	166	MET	C-N	21.80	1.65	1.33
1	6A	166	MET	C-N	21.80	1.65	1.33
1	1A	166	MET	C-N	21.79	1.65	1.33
1	1I	166	MET	C-N	21.79	1.65	1.33
1	2E	166	MET	C-N	21.79	1.65	1.33
1	26	166	MET	C-N	21.79	1.65	1.33
1	3E	166	MET	C-N	21.79	1.65	1.33
1	4A	166	MET	C-N	21.79	1.65	1.33
1	4M	166	MET	C-N	21.79	1.65	1.33
1	4U	166	MET	C-N	21.79	1.65	1.33
1	5Q	166	MET	C-N	21.79	1.65	1.33
1	6I	166	MET	C-N	21.79	1.65	1.33
1	6Q	166	MET	C-N	21.79	1.65	1.33
1	7M	166	MET	C-N	21.79	1.65	1.33
2	1F	9	VAL	C-N	21.78	1.64	1.33
2	2N	9	VAL	C-N	21.78	1.64	1.33
2	23	9	VAL	C-N	21.78	1.64	1.33
2	3N	9	VAL	C-N	21.78	1.64	1.33
2	37	9	VAL	C-N	21.78	1.64	1.33
2	4J	9	VAL	C-N	21.78	1.64	1.33
2	4R	9	VAL	C-N	21.78	1.64	1.33
2	5Z	9	VAL	C-N	21.78	1.64	1.33
2	6F	9	VAL	C-N	21.78	1.64	1.33
2	6Z	9	VAL	C-N	21.78	1.64	1.33
2	7J	9	VAL	C-N	21.78	1.64	1.33
2	7V	9	VAL	C-N	21.78	1.64	1.33
1	1M	166	MET	C-N	21.77	1.65	1.33
1	2I	166	MET	C-N	21.77	1.65	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	166	MET	C-N	21.77	1.65	1.33
1	3I	166	MET	C-N	21.77	1.65	1.33
1	32	166	MET	C-N	21.77	1.65	1.33
1	4E	166	MET	C-N	21.77	1.65	1.33
1	4Y	166	MET	C-N	21.77	1.65	1.33
1	5U	166	MET	C-N	21.77	1.65	1.33
1	6M	166	MET	C-N	21.77	1.65	1.33
1	6U	166	MET	C-N	21.77	1.65	1.33
1	7E	166	MET	C-N	21.77	1.65	1.33
1	7Q	166	MET	C-N	21.77	1.65	1.33
2	1N	42	HIS	N-CA	-21.77	1.23	1.46
2	2J	42	HIS	N-CA	-21.77	1.23	1.46
2	3B	42	HIS	N-CA	-21.77	1.23	1.46
2	3J	42	HIS	N-CA	-21.77	1.23	1.46
2	33	42	HIS	N-CA	-21.77	1.23	1.46
2	4F	42	HIS	N-CA	-21.77	1.23	1.46
2	4Z	42	HIS	N-CA	-21.77	1.23	1.46
2	5V	42	HIS	N-CA	-21.77	1.23	1.46
2	6N	42	HIS	N-CA	-21.77	1.23	1.46
2	6V	42	HIS	N-CA	-21.77	1.23	1.46
2	7F	42	HIS	N-CA	-21.77	1.23	1.46
2	7R	42	HIS	N-CA	-21.77	1.23	1.46
1	1E	166	MET	C-N	21.76	1.65	1.33
1	12	166	MET	C-N	21.76	1.65	1.33
1	16	166	MET	C-N	21.76	1.65	1.33
1	2A	166	MET	C-N	21.76	1.65	1.33
1	2M	166	MET	C-N	21.76	1.65	1.33
1	22	166	MET	C-N	21.76	1.65	1.33
1	3M	166	MET	C-N	21.76	1.65	1.33
1	3Q	166	MET	C-N	21.76	1.65	1.33
1	3U	166	MET	C-N	21.76	1.65	1.33
1	3Y	166	MET	C-N	21.76	1.65	1.33
1	36	166	MET	C-N	21.76	1.65	1.33
1	4I	166	MET	C-N	21.76	1.65	1.33
1	4Q	166	MET	C-N	21.76	1.65	1.33
1	5E	166	MET	C-N	21.76	1.65	1.33
1	5I	166	MET	C-N	21.76	1.65	1.33
1	5M	166	MET	C-N	21.76	1.65	1.33
1	5Y	166	MET	C-N	21.76	1.65	1.33
1	6E	166	MET	C-N	21.76	1.65	1.33
1	6Y	166	MET	C-N	21.76	1.65	1.33
1	62	166	MET	C-N	21.76	1.65	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	166	MET	C-N	21.76	1.65	1.33
1	7A	166	MET	C-N	21.76	1.65	1.33
1	7I	166	MET	C-N	21.76	1.65	1.33
1	7U	166	MET	C-N	21.76	1.65	1.33
2	1R	42	HIS	N-CA	-21.72	1.23	1.46
2	1V	42	HIS	N-CA	-21.72	1.23	1.46
2	1Z	42	HIS	N-CA	-21.72	1.23	1.46
2	2R	42	HIS	N-CA	-21.72	1.23	1.46
2	2V	42	HIS	N-CA	-21.72	1.23	1.46
2	2Z	42	HIS	N-CA	-21.72	1.23	1.46
2	43	42	HIS	N-CA	-21.72	1.23	1.46
2	47	42	HIS	N-CA	-21.72	1.23	1.46
2	5B	42	HIS	N-CA	-21.72	1.23	1.46
2	53	42	HIS	N-CA	-21.72	1.23	1.46
2	57	42	HIS	N-CA	-21.72	1.23	1.46
2	6B	42	HIS	N-CA	-21.72	1.23	1.46
1	1A	183	GLN	CA-C	-21.70	1.07	1.52
1	1I	183	GLN	CA-C	-21.70	1.07	1.52
2	13	42	HIS	N-CA	-21.70	1.23	1.46
2	13	46	TYR	CA-C	21.70	1.80	1.52
2	17	42	HIS	N-CA	-21.70	1.23	1.46
2	17	46	TYR	CA-C	21.70	1.80	1.52
2	2B	42	HIS	N-CA	-21.70	1.23	1.46
2	2B	46	TYR	CA-C	21.70	1.80	1.52
1	2E	183	GLN	CA-C	-21.70	1.07	1.52
1	26	183	GLN	CA-C	-21.70	1.07	1.52
1	3E	183	GLN	CA-C	-21.70	1.07	1.52
2	3R	42	HIS	N-CA	-21.70	1.23	1.46
2	3R	46	TYR	CA-C	21.70	1.80	1.52
2	3V	42	HIS	N-CA	-21.70	1.23	1.46
2	3V	46	TYR	CA-C	21.70	1.80	1.52
2	3Z	42	HIS	N-CA	-21.70	1.23	1.46
2	3Z	46	TYR	CA-C	21.70	1.80	1.52
1	4A	183	GLN	CA-C	-21.70	1.07	1.52
1	4M	183	GLN	CA-C	-21.70	1.07	1.52
1	4U	183	GLN	CA-C	-21.70	1.07	1.52
2	5F	42	HIS	N-CA	-21.70	1.23	1.46
2	5F	46	TYR	CA-C	21.70	1.80	1.52
2	5J	42	HIS	N-CA	-21.70	1.23	1.46
2	5J	46	TYR	CA-C	21.70	1.80	1.52
2	5N	42	HIS	N-CA	-21.70	1.23	1.46
2	5N	46	TYR	CA-C	21.70	1.80	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	183	GLN	CA-C	-21.70	1.07	1.52
1	6I	183	GLN	CA-C	-21.70	1.07	1.52
1	6Q	183	GLN	CA-C	-21.70	1.07	1.52
2	63	42	HIS	N-CA	-21.70	1.23	1.46
2	63	46	TYR	CA-C	21.70	1.80	1.52
2	67	42	HIS	N-CA	-21.70	1.23	1.46
2	67	46	TYR	CA-C	21.70	1.80	1.52
2	7B	42	HIS	N-CA	-21.70	1.23	1.46
2	7B	46	TYR	CA-C	21.70	1.80	1.52
1	7M	183	GLN	CA-C	-21.70	1.07	1.52
1	1E	67	GLY	CA-C	-21.70	1.25	1.51
1	2M	67	GLY	CA-C	-21.70	1.25	1.51
1	22	67	GLY	CA-C	-21.70	1.25	1.51
1	3M	67	GLY	CA-C	-21.70	1.25	1.51
1	36	67	GLY	CA-C	-21.70	1.25	1.51
1	4I	67	GLY	CA-C	-21.70	1.25	1.51
1	4Q	67	GLY	CA-C	-21.70	1.25	1.51
1	5Y	67	GLY	CA-C	-21.70	1.25	1.51
1	6E	67	GLY	CA-C	-21.70	1.25	1.51
1	6Y	67	GLY	CA-C	-21.70	1.25	1.51
1	7I	67	GLY	CA-C	-21.70	1.25	1.51
1	7U	67	GLY	CA-C	-21.70	1.25	1.51
2	1F	34	ASP	CA-C	-21.70	1.24	1.52
1	12	183	GLN	CA-C	-21.70	1.07	1.52
1	16	183	GLN	CA-C	-21.70	1.07	1.52
1	2A	183	GLN	CA-C	-21.70	1.07	1.52
2	2N	34	ASP	CA-C	-21.70	1.24	1.52
2	23	34	ASP	CA-C	-21.70	1.24	1.52
2	3N	34	ASP	CA-C	-21.70	1.24	1.52
1	3Q	183	GLN	CA-C	-21.70	1.07	1.52
1	3U	183	GLN	CA-C	-21.70	1.07	1.52
1	3Y	183	GLN	CA-C	-21.70	1.07	1.52
2	37	34	ASP	CA-C	-21.70	1.24	1.52
2	4J	34	ASP	CA-C	-21.70	1.24	1.52
2	4R	34	ASP	CA-C	-21.70	1.24	1.52
1	5E	183	GLN	CA-C	-21.70	1.07	1.52
1	5I	183	GLN	CA-C	-21.70	1.07	1.52
1	5M	183	GLN	CA-C	-21.70	1.07	1.52
2	5Z	34	ASP	CA-C	-21.70	1.24	1.52
2	6F	34	ASP	CA-C	-21.70	1.24	1.52
2	6Z	34	ASP	CA-C	-21.70	1.24	1.52
1	62	183	GLN	CA-C	-21.70	1.07	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	183	GLN	CA-C	-21.70	1.07	1.52
1	7A	183	GLN	CA-C	-21.70	1.07	1.52
2	7J	34	ASP	CA-C	-21.70	1.24	1.52
2	7V	34	ASP	CA-C	-21.70	1.24	1.52
2	1B	34	ASP	CA-C	-21.70	1.24	1.52
2	1J	34	ASP	CA-C	-21.70	1.24	1.52
2	2F	34	ASP	CA-C	-21.70	1.24	1.52
2	27	34	ASP	CA-C	-21.70	1.24	1.52
2	3F	34	ASP	CA-C	-21.70	1.24	1.52
2	4B	34	ASP	CA-C	-21.70	1.24	1.52
2	4N	34	ASP	CA-C	-21.70	1.24	1.52
2	4V	34	ASP	CA-C	-21.70	1.24	1.52
2	5R	34	ASP	CA-C	-21.70	1.24	1.52
2	6J	34	ASP	CA-C	-21.70	1.24	1.52
2	6R	34	ASP	CA-C	-21.70	1.24	1.52
2	7N	34	ASP	CA-C	-21.70	1.24	1.52
2	1B	42	HIS	N-CA	-21.69	1.23	1.46
2	1J	42	HIS	N-CA	-21.69	1.23	1.46
1	1M	183	GLN	CA-C	-21.69	1.07	1.52
2	2F	42	HIS	N-CA	-21.69	1.23	1.46
1	2I	183	GLN	CA-C	-21.69	1.07	1.52
2	27	42	HIS	N-CA	-21.69	1.23	1.46
1	3A	183	GLN	CA-C	-21.69	1.07	1.52
2	3F	42	HIS	N-CA	-21.69	1.23	1.46
1	3I	183	GLN	CA-C	-21.69	1.07	1.52
1	32	183	GLN	CA-C	-21.69	1.07	1.52
2	4B	42	HIS	N-CA	-21.69	1.23	1.46
1	4E	183	GLN	CA-C	-21.69	1.07	1.52
2	4N	42	HIS	N-CA	-21.69	1.23	1.46
2	4V	42	HIS	N-CA	-21.69	1.23	1.46
1	4Y	183	GLN	CA-C	-21.69	1.07	1.52
2	5R	42	HIS	N-CA	-21.69	1.23	1.46
1	5U	183	GLN	CA-C	-21.69	1.07	1.52
2	6J	42	HIS	N-CA	-21.69	1.23	1.46
1	6M	183	GLN	CA-C	-21.69	1.07	1.52
2	6R	42	HIS	N-CA	-21.69	1.23	1.46
1	6U	183	GLN	CA-C	-21.69	1.07	1.52
1	7E	183	GLN	CA-C	-21.69	1.07	1.52
2	7N	42	HIS	N-CA	-21.69	1.23	1.46
1	7Q	183	GLN	CA-C	-21.69	1.07	1.52
2	1N	34	ASP	CA-C	-21.69	1.24	1.52
2	1R	34	ASP	CA-C	-21.69	1.24	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1V	34	ASP	CA-C	-21.69	1.24	1.52
2	1Z	34	ASP	CA-C	-21.69	1.24	1.52
2	2J	34	ASP	CA-C	-21.69	1.24	1.52
2	2R	34	ASP	CA-C	-21.69	1.24	1.52
2	2V	34	ASP	CA-C	-21.69	1.24	1.52
2	2Z	34	ASP	CA-C	-21.69	1.24	1.52
2	3B	34	ASP	CA-C	-21.69	1.24	1.52
2	3J	34	ASP	CA-C	-21.69	1.24	1.52
2	33	34	ASP	CA-C	-21.69	1.24	1.52
2	4F	34	ASP	CA-C	-21.69	1.24	1.52
2	4Z	34	ASP	CA-C	-21.69	1.24	1.52
2	43	34	ASP	CA-C	-21.69	1.24	1.52
2	47	34	ASP	CA-C	-21.69	1.24	1.52
2	5B	34	ASP	CA-C	-21.69	1.24	1.52
2	5V	34	ASP	CA-C	-21.69	1.24	1.52
2	53	34	ASP	CA-C	-21.69	1.24	1.52
2	57	34	ASP	CA-C	-21.69	1.24	1.52
2	6B	34	ASP	CA-C	-21.69	1.24	1.52
2	6N	34	ASP	CA-C	-21.69	1.24	1.52
2	6V	34	ASP	CA-C	-21.69	1.24	1.52
2	7F	34	ASP	CA-C	-21.69	1.24	1.52
2	7R	34	ASP	CA-C	-21.69	1.24	1.52
2	1N	46	TYR	CA-C	21.68	1.80	1.52
2	2J	46	TYR	CA-C	21.68	1.80	1.52
2	3B	46	TYR	CA-C	21.68	1.80	1.52
2	3J	46	TYR	CA-C	21.68	1.80	1.52
2	33	46	TYR	CA-C	21.68	1.80	1.52
2	4F	46	TYR	CA-C	21.68	1.80	1.52
2	4Z	46	TYR	CA-C	21.68	1.80	1.52
2	5V	46	TYR	CA-C	21.68	1.80	1.52
2	6N	46	TYR	CA-C	21.68	1.80	1.52
2	6V	46	TYR	CA-C	21.68	1.80	1.52
2	7F	46	TYR	CA-C	21.68	1.80	1.52
2	7R	46	TYR	CA-C	21.68	1.80	1.52
1	1Q	183	GLN	CA-C	-21.68	1.07	1.52
1	1U	183	GLN	CA-C	-21.68	1.07	1.52
1	1Y	183	GLN	CA-C	-21.68	1.07	1.52
1	2Q	183	GLN	CA-C	-21.68	1.07	1.52
1	2U	183	GLN	CA-C	-21.68	1.07	1.52
1	2Y	183	GLN	CA-C	-21.68	1.07	1.52
1	42	183	GLN	CA-C	-21.68	1.07	1.52
1	46	183	GLN	CA-C	-21.68	1.07	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	183	GLN	CA-C	-21.68	1.07	1.52
1	52	183	GLN	CA-C	-21.68	1.07	1.52
1	56	183	GLN	CA-C	-21.68	1.07	1.52
1	6A	183	GLN	CA-C	-21.68	1.07	1.52
1	1E	183	GLN	CA-C	-21.68	1.07	1.52
1	2M	183	GLN	CA-C	-21.68	1.07	1.52
1	22	183	GLN	CA-C	-21.68	1.07	1.52
1	3M	183	GLN	CA-C	-21.68	1.07	1.52
1	36	183	GLN	CA-C	-21.68	1.07	1.52
1	4I	183	GLN	CA-C	-21.68	1.07	1.52
1	4Q	183	GLN	CA-C	-21.68	1.07	1.52
1	5Y	183	GLN	CA-C	-21.68	1.07	1.52
1	6E	183	GLN	CA-C	-21.68	1.07	1.52
1	6Y	183	GLN	CA-C	-21.68	1.07	1.52
1	7I	183	GLN	CA-C	-21.68	1.07	1.52
1	7U	183	GLN	CA-C	-21.68	1.07	1.52
2	1F	42	HIS	N-CA	-21.67	1.23	1.46
2	1R	46	TYR	CA-C	21.67	1.80	1.52
2	1V	46	TYR	CA-C	21.67	1.80	1.52
2	1Z	46	TYR	CA-C	21.67	1.80	1.52
2	2N	42	HIS	N-CA	-21.67	1.23	1.46
2	2R	46	TYR	CA-C	21.67	1.80	1.52
2	2V	46	TYR	CA-C	21.67	1.80	1.52
2	2Z	46	TYR	CA-C	21.67	1.80	1.52
2	23	42	HIS	N-CA	-21.67	1.23	1.46
2	3N	42	HIS	N-CA	-21.67	1.23	1.46
2	37	42	HIS	N-CA	-21.67	1.23	1.46
2	4J	42	HIS	N-CA	-21.67	1.23	1.46
2	4R	42	HIS	N-CA	-21.67	1.23	1.46
2	43	46	TYR	CA-C	21.67	1.80	1.52
2	47	46	TYR	CA-C	21.67	1.80	1.52
2	5B	46	TYR	CA-C	21.67	1.80	1.52
2	5Z	42	HIS	N-CA	-21.67	1.23	1.46
2	53	46	TYR	CA-C	21.67	1.80	1.52
2	57	46	TYR	CA-C	21.67	1.80	1.52
2	6B	46	TYR	CA-C	21.67	1.80	1.52
2	6F	42	HIS	N-CA	-21.67	1.23	1.46
2	6Z	42	HIS	N-CA	-21.67	1.23	1.46
2	7J	42	HIS	N-CA	-21.67	1.23	1.46
2	7V	42	HIS	N-CA	-21.67	1.23	1.46
2	13	34	ASP	CA-C	-21.67	1.24	1.52
2	17	34	ASP	CA-C	-21.67	1.24	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	34	ASP	CA-C	-21.67	1.24	1.52
2	3R	34	ASP	CA-C	-21.67	1.24	1.52
2	3V	34	ASP	CA-C	-21.67	1.24	1.52
2	3Z	34	ASP	CA-C	-21.67	1.24	1.52
2	5F	34	ASP	CA-C	-21.67	1.24	1.52
2	5J	34	ASP	CA-C	-21.67	1.24	1.52
2	5N	34	ASP	CA-C	-21.67	1.24	1.52
2	63	34	ASP	CA-C	-21.67	1.24	1.52
2	67	34	ASP	CA-C	-21.67	1.24	1.52
2	7B	34	ASP	CA-C	-21.67	1.24	1.52
1	1Q	67	GLY	CA-C	-21.66	1.25	1.51
1	1U	67	GLY	CA-C	-21.66	1.25	1.51
1	1Y	67	GLY	CA-C	-21.66	1.25	1.51
1	2Q	67	GLY	CA-C	-21.66	1.25	1.51
1	2U	67	GLY	CA-C	-21.66	1.25	1.51
1	2Y	67	GLY	CA-C	-21.66	1.25	1.51
1	42	67	GLY	CA-C	-21.66	1.25	1.51
1	46	67	GLY	CA-C	-21.66	1.25	1.51
1	5A	67	GLY	CA-C	-21.66	1.25	1.51
1	52	67	GLY	CA-C	-21.66	1.25	1.51
1	56	67	GLY	CA-C	-21.66	1.25	1.51
1	6A	67	GLY	CA-C	-21.66	1.25	1.51
2	1B	46	TYR	CA-C	21.65	1.80	1.52
2	1J	46	TYR	CA-C	21.65	1.80	1.52
2	2F	46	TYR	CA-C	21.65	1.80	1.52
2	27	46	TYR	CA-C	21.65	1.80	1.52
2	3F	46	TYR	CA-C	21.65	1.80	1.52
2	4B	46	TYR	CA-C	21.65	1.80	1.52
2	4N	46	TYR	CA-C	21.65	1.80	1.52
2	4V	46	TYR	CA-C	21.65	1.80	1.52
2	5R	46	TYR	CA-C	21.65	1.80	1.52
2	6J	46	TYR	CA-C	21.65	1.80	1.52
2	6R	46	TYR	CA-C	21.65	1.80	1.52
2	7N	46	TYR	CA-C	21.65	1.80	1.52
2	1F	46	TYR	CA-C	21.64	1.80	1.52
2	2N	46	TYR	CA-C	21.64	1.80	1.52
2	23	46	TYR	CA-C	21.64	1.80	1.52
2	3N	46	TYR	CA-C	21.64	1.80	1.52
2	37	46	TYR	CA-C	21.64	1.80	1.52
2	4J	46	TYR	CA-C	21.64	1.80	1.52
2	4R	46	TYR	CA-C	21.64	1.80	1.52
2	5Z	46	TYR	CA-C	21.64	1.80	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	46	TYR	CA-C	21.64	1.80	1.52
2	6Z	46	TYR	CA-C	21.64	1.80	1.52
2	7J	46	TYR	CA-C	21.64	1.80	1.52
2	7V	46	TYR	CA-C	21.64	1.80	1.52
1	1A	67	GLY	CA-C	-21.63	1.25	1.51
1	1I	67	GLY	CA-C	-21.63	1.25	1.51
1	2E	67	GLY	CA-C	-21.63	1.25	1.51
1	26	67	GLY	CA-C	-21.63	1.25	1.51
1	3E	67	GLY	CA-C	-21.63	1.25	1.51
1	4A	67	GLY	CA-C	-21.63	1.25	1.51
1	4M	67	GLY	CA-C	-21.63	1.25	1.51
1	4U	67	GLY	CA-C	-21.63	1.25	1.51
1	5Q	67	GLY	CA-C	-21.63	1.25	1.51
1	6I	67	GLY	CA-C	-21.63	1.25	1.51
1	6Q	67	GLY	CA-C	-21.63	1.25	1.51
1	7M	67	GLY	CA-C	-21.63	1.25	1.51
1	1M	67	GLY	CA-C	-21.63	1.25	1.51
1	2I	67	GLY	CA-C	-21.63	1.25	1.51
1	3A	67	GLY	CA-C	-21.63	1.25	1.51
1	3I	67	GLY	CA-C	-21.63	1.25	1.51
1	32	67	GLY	CA-C	-21.63	1.25	1.51
1	4E	67	GLY	CA-C	-21.63	1.25	1.51
1	4Y	67	GLY	CA-C	-21.63	1.25	1.51
1	5U	67	GLY	CA-C	-21.63	1.25	1.51
1	6M	67	GLY	CA-C	-21.63	1.25	1.51
1	6U	67	GLY	CA-C	-21.63	1.25	1.51
1	7E	67	GLY	CA-C	-21.63	1.25	1.51
1	7Q	67	GLY	CA-C	-21.63	1.25	1.51
1	12	67	GLY	CA-C	-21.60	1.25	1.51
1	16	67	GLY	CA-C	-21.60	1.25	1.51
1	2A	67	GLY	CA-C	-21.60	1.25	1.51
1	3Q	67	GLY	CA-C	-21.60	1.25	1.51
1	3U	67	GLY	CA-C	-21.60	1.25	1.51
1	3Y	67	GLY	CA-C	-21.60	1.25	1.51
1	5E	67	GLY	CA-C	-21.60	1.25	1.51
1	5I	67	GLY	CA-C	-21.60	1.25	1.51
1	5M	67	GLY	CA-C	-21.60	1.25	1.51
1	62	67	GLY	CA-C	-21.60	1.25	1.51
1	66	67	GLY	CA-C	-21.60	1.25	1.51
1	7A	67	GLY	CA-C	-21.60	1.25	1.51
1	1Q	18	PRO	C-O	-21.59	0.95	1.24
1	1U	18	PRO	C-O	-21.59	0.95	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	18	PRO	C-O	-21.59	0.95	1.24
1	2Q	18	PRO	C-O	-21.59	0.95	1.24
1	2U	18	PRO	C-O	-21.59	0.95	1.24
1	2Y	18	PRO	C-O	-21.59	0.95	1.24
1	42	18	PRO	C-O	-21.59	0.95	1.24
1	46	18	PRO	C-O	-21.59	0.95	1.24
1	5A	18	PRO	C-O	-21.59	0.95	1.24
1	52	18	PRO	C-O	-21.59	0.95	1.24
1	56	18	PRO	C-O	-21.59	0.95	1.24
1	6A	18	PRO	C-O	-21.59	0.95	1.24
1	1A	18	PRO	C-O	-21.57	0.95	1.24
1	1I	18	PRO	C-O	-21.57	0.95	1.24
1	2E	18	PRO	C-O	-21.57	0.95	1.24
1	26	18	PRO	C-O	-21.57	0.95	1.24
1	3E	18	PRO	C-O	-21.57	0.95	1.24
1	4A	18	PRO	C-O	-21.57	0.95	1.24
1	4M	18	PRO	C-O	-21.57	0.95	1.24
1	4U	18	PRO	C-O	-21.57	0.95	1.24
1	5Q	18	PRO	C-O	-21.57	0.95	1.24
1	6I	18	PRO	C-O	-21.57	0.95	1.24
1	6Q	18	PRO	C-O	-21.57	0.95	1.24
1	7M	18	PRO	C-O	-21.57	0.95	1.24
1	1E	18	PRO	C-O	-21.57	0.95	1.24
1	2M	18	PRO	C-O	-21.57	0.95	1.24
1	22	18	PRO	C-O	-21.57	0.95	1.24
1	3M	18	PRO	C-O	-21.57	0.95	1.24
1	36	18	PRO	C-O	-21.57	0.95	1.24
1	4I	18	PRO	C-O	-21.57	0.95	1.24
1	4Q	18	PRO	C-O	-21.57	0.95	1.24
1	5Y	18	PRO	C-O	-21.57	0.95	1.24
1	6E	18	PRO	C-O	-21.57	0.95	1.24
1	6Y	18	PRO	C-O	-21.57	0.95	1.24
1	7I	18	PRO	C-O	-21.57	0.95	1.24
1	7U	18	PRO	C-O	-21.57	0.95	1.24
2	1R	78	HIS	CG-CD2	-21.57	1.12	1.35
2	1V	78	HIS	CG-CD2	-21.57	1.12	1.35
2	1Z	78	HIS	CG-CD2	-21.57	1.12	1.35
2	2R	78	HIS	CG-CD2	-21.57	1.12	1.35
2	2V	78	HIS	CG-CD2	-21.57	1.12	1.35
2	2Z	78	HIS	CG-CD2	-21.57	1.12	1.35
2	43	78	HIS	CG-CD2	-21.57	1.12	1.35
2	47	78	HIS	CG-CD2	-21.57	1.12	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	78	HIS	CG-CD2	-21.57	1.12	1.35
2	53	78	HIS	CG-CD2	-21.57	1.12	1.35
2	57	78	HIS	CG-CD2	-21.57	1.12	1.35
2	6B	78	HIS	CG-CD2	-21.57	1.12	1.35
1	1M	18	PRO	C-O	-21.56	0.95	1.24
1	2I	18	PRO	C-O	-21.56	0.95	1.24
1	3A	18	PRO	C-O	-21.56	0.95	1.24
1	3I	18	PRO	C-O	-21.56	0.95	1.24
1	32	18	PRO	C-O	-21.56	0.95	1.24
1	4E	18	PRO	C-O	-21.56	0.95	1.24
1	4Y	18	PRO	C-O	-21.56	0.95	1.24
1	5U	18	PRO	C-O	-21.56	0.95	1.24
1	6M	18	PRO	C-O	-21.56	0.95	1.24
1	6U	18	PRO	C-O	-21.56	0.95	1.24
1	7E	18	PRO	C-O	-21.56	0.95	1.24
1	7Q	18	PRO	C-O	-21.56	0.95	1.24
1	12	18	PRO	C-O	-21.56	0.95	1.24
1	16	18	PRO	C-O	-21.56	0.95	1.24
1	2A	18	PRO	C-O	-21.56	0.95	1.24
1	3Q	18	PRO	C-O	-21.56	0.95	1.24
1	3U	18	PRO	C-O	-21.56	0.95	1.24
1	3Y	18	PRO	C-O	-21.56	0.95	1.24
1	5E	18	PRO	C-O	-21.56	0.95	1.24
1	5I	18	PRO	C-O	-21.56	0.95	1.24
1	5M	18	PRO	C-O	-21.56	0.95	1.24
1	62	18	PRO	C-O	-21.56	0.95	1.24
1	66	18	PRO	C-O	-21.56	0.95	1.24
1	7A	18	PRO	C-O	-21.56	0.95	1.24
2	1R	43	SER	CB-OG	21.55	1.85	1.42
2	1V	43	SER	CB-OG	21.55	1.85	1.42
2	1Z	43	SER	CB-OG	21.55	1.85	1.42
2	2R	43	SER	CB-OG	21.55	1.85	1.42
2	2V	43	SER	CB-OG	21.55	1.85	1.42
2	2Z	43	SER	CB-OG	21.55	1.85	1.42
2	43	43	SER	CB-OG	21.55	1.85	1.42
2	47	43	SER	CB-OG	21.55	1.85	1.42
2	5B	43	SER	CB-OG	21.55	1.85	1.42
2	53	43	SER	CB-OG	21.55	1.85	1.42
2	57	43	SER	CB-OG	21.55	1.85	1.42
2	6B	43	SER	CB-OG	21.55	1.85	1.42
2	1N	78	HIS	CG-CD2	-21.55	1.12	1.35
2	2J	78	HIS	CG-CD2	-21.55	1.12	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	78	HIS	CG-CD2	-21.55	1.12	1.35
2	3J	78	HIS	CG-CD2	-21.55	1.12	1.35
2	33	78	HIS	CG-CD2	-21.55	1.12	1.35
2	4F	78	HIS	CG-CD2	-21.55	1.12	1.35
2	4Z	78	HIS	CG-CD2	-21.55	1.12	1.35
2	5V	78	HIS	CG-CD2	-21.55	1.12	1.35
2	6N	78	HIS	CG-CD2	-21.55	1.12	1.35
2	6V	78	HIS	CG-CD2	-21.55	1.12	1.35
2	7F	78	HIS	CG-CD2	-21.55	1.12	1.35
2	7R	78	HIS	CG-CD2	-21.55	1.12	1.35
2	1F	43	SER	CB-OG	21.53	1.85	1.42
2	2N	43	SER	CB-OG	21.53	1.85	1.42
2	23	43	SER	CB-OG	21.53	1.85	1.42
2	3N	43	SER	CB-OG	21.53	1.85	1.42
2	37	43	SER	CB-OG	21.53	1.85	1.42
2	4J	43	SER	CB-OG	21.53	1.85	1.42
2	4R	43	SER	CB-OG	21.53	1.85	1.42
2	5Z	43	SER	CB-OG	21.53	1.85	1.42
2	6F	43	SER	CB-OG	21.53	1.85	1.42
2	6Z	43	SER	CB-OG	21.53	1.85	1.42
2	7J	43	SER	CB-OG	21.53	1.85	1.42
2	7V	43	SER	CB-OG	21.53	1.85	1.42
2	13	43	SER	CB-OG	21.53	1.85	1.42
2	17	43	SER	CB-OG	21.53	1.85	1.42
2	2B	43	SER	CB-OG	21.53	1.85	1.42
2	3R	43	SER	CB-OG	21.53	1.85	1.42
2	3V	43	SER	CB-OG	21.53	1.85	1.42
2	3Z	43	SER	CB-OG	21.53	1.85	1.42
2	5F	43	SER	CB-OG	21.53	1.85	1.42
2	5J	43	SER	CB-OG	21.53	1.85	1.42
2	5N	43	SER	CB-OG	21.53	1.85	1.42
2	63	43	SER	CB-OG	21.53	1.85	1.42
2	67	43	SER	CB-OG	21.53	1.85	1.42
2	7B	43	SER	CB-OG	21.53	1.85	1.42
2	1B	43	SER	CB-OG	21.52	1.85	1.42
2	1J	43	SER	CB-OG	21.52	1.85	1.42
2	1R	67	THR	N-CA	-21.52	1.21	1.45
2	1V	67	THR	N-CA	-21.52	1.21	1.45
2	1Z	67	THR	N-CA	-21.52	1.21	1.45
2	2F	43	SER	CB-OG	21.52	1.85	1.42
2	2R	67	THR	N-CA	-21.52	1.21	1.45
2	2V	67	THR	N-CA	-21.52	1.21	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2Z	67	THR	N-CA	-21.52	1.21	1.45
2	27	43	SER	CB-OG	21.52	1.85	1.42
2	3F	43	SER	CB-OG	21.52	1.85	1.42
2	4B	43	SER	CB-OG	21.52	1.85	1.42
2	4N	43	SER	CB-OG	21.52	1.85	1.42
2	4V	43	SER	CB-OG	21.52	1.85	1.42
2	43	67	THR	N-CA	-21.52	1.21	1.45
2	47	67	THR	N-CA	-21.52	1.21	1.45
2	5B	67	THR	N-CA	-21.52	1.21	1.45
2	5R	43	SER	CB-OG	21.52	1.85	1.42
2	53	67	THR	N-CA	-21.52	1.21	1.45
2	57	67	THR	N-CA	-21.52	1.21	1.45
2	6B	67	THR	N-CA	-21.52	1.21	1.45
2	6J	43	SER	CB-OG	21.52	1.85	1.42
2	6R	43	SER	CB-OG	21.52	1.85	1.42
2	7N	43	SER	CB-OG	21.52	1.85	1.42
2	1F	67	THR	N-CA	-21.52	1.21	1.45
2	2N	67	THR	N-CA	-21.52	1.21	1.45
2	23	67	THR	N-CA	-21.52	1.21	1.45
2	3N	67	THR	N-CA	-21.52	1.21	1.45
2	37	67	THR	N-CA	-21.52	1.21	1.45
2	4J	67	THR	N-CA	-21.52	1.21	1.45
2	4R	67	THR	N-CA	-21.52	1.21	1.45
2	5Z	67	THR	N-CA	-21.52	1.21	1.45
2	6F	67	THR	N-CA	-21.52	1.21	1.45
2	6Z	67	THR	N-CA	-21.52	1.21	1.45
2	7J	67	THR	N-CA	-21.52	1.21	1.45
2	7V	67	THR	N-CA	-21.52	1.21	1.45
2	1B	78	HIS	CG-CD2	-21.52	1.12	1.35
2	1J	78	HIS	CG-CD2	-21.52	1.12	1.35
2	2F	78	HIS	CG-CD2	-21.52	1.12	1.35
2	27	78	HIS	CG-CD2	-21.52	1.12	1.35
2	3F	78	HIS	CG-CD2	-21.52	1.12	1.35
2	4B	78	HIS	CG-CD2	-21.52	1.12	1.35
2	4N	78	HIS	CG-CD2	-21.52	1.12	1.35
2	4V	78	HIS	CG-CD2	-21.52	1.12	1.35
2	5R	78	HIS	CG-CD2	-21.52	1.12	1.35
2	6J	78	HIS	CG-CD2	-21.52	1.12	1.35
2	6R	78	HIS	CG-CD2	-21.52	1.12	1.35
2	7N	78	HIS	CG-CD2	-21.52	1.12	1.35
2	1N	43	SER	CB-OG	21.51	1.85	1.42
2	2J	43	SER	CB-OG	21.51	1.85	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	43	SER	CB-OG	21.51	1.85	1.42
2	3J	43	SER	CB-OG	21.51	1.85	1.42
2	33	43	SER	CB-OG	21.51	1.85	1.42
2	4F	43	SER	CB-OG	21.51	1.85	1.42
2	4Z	43	SER	CB-OG	21.51	1.85	1.42
2	5V	43	SER	CB-OG	21.51	1.85	1.42
2	6N	43	SER	CB-OG	21.51	1.85	1.42
2	6V	43	SER	CB-OG	21.51	1.85	1.42
2	7F	43	SER	CB-OG	21.51	1.85	1.42
2	7R	43	SER	CB-OG	21.51	1.85	1.42
2	1B	67	THR	N-CA	-21.51	1.21	1.45
2	1J	67	THR	N-CA	-21.51	1.21	1.45
2	2F	67	THR	N-CA	-21.51	1.21	1.45
2	27	67	THR	N-CA	-21.51	1.21	1.45
2	3F	67	THR	N-CA	-21.51	1.21	1.45
2	4B	67	THR	N-CA	-21.51	1.21	1.45
2	4N	67	THR	N-CA	-21.51	1.21	1.45
2	4V	67	THR	N-CA	-21.51	1.21	1.45
2	5R	67	THR	N-CA	-21.51	1.21	1.45
2	6J	67	THR	N-CA	-21.51	1.21	1.45
2	6R	67	THR	N-CA	-21.51	1.21	1.45
2	7N	67	THR	N-CA	-21.51	1.21	1.45
2	13	78	HIS	CG-CD2	-21.49	1.12	1.35
2	17	78	HIS	CG-CD2	-21.49	1.12	1.35
2	2B	78	HIS	CG-CD2	-21.49	1.12	1.35
2	3R	78	HIS	CG-CD2	-21.49	1.12	1.35
2	3V	78	HIS	CG-CD2	-21.49	1.12	1.35
2	3Z	78	HIS	CG-CD2	-21.49	1.12	1.35
2	5F	78	HIS	CG-CD2	-21.49	1.12	1.35
2	5J	78	HIS	CG-CD2	-21.49	1.12	1.35
2	5N	78	HIS	CG-CD2	-21.49	1.12	1.35
2	63	78	HIS	CG-CD2	-21.49	1.12	1.35
2	67	78	HIS	CG-CD2	-21.49	1.12	1.35
2	7B	78	HIS	CG-CD2	-21.49	1.12	1.35
2	1F	78	HIS	CG-CD2	-21.49	1.12	1.35
2	2N	78	HIS	CG-CD2	-21.49	1.12	1.35
2	23	78	HIS	CG-CD2	-21.49	1.12	1.35
2	3N	78	HIS	CG-CD2	-21.49	1.12	1.35
2	37	78	HIS	CG-CD2	-21.49	1.12	1.35
2	4J	78	HIS	CG-CD2	-21.49	1.12	1.35
2	4R	78	HIS	CG-CD2	-21.49	1.12	1.35
2	5Z	78	HIS	CG-CD2	-21.49	1.12	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	78	HIS	CG-CD2	-21.49	1.12	1.35
2	6Z	78	HIS	CG-CD2	-21.49	1.12	1.35
2	7J	78	HIS	CG-CD2	-21.49	1.12	1.35
2	7V	78	HIS	CG-CD2	-21.49	1.12	1.35
1	1E	182	PHE	C-N	-21.47	1.03	1.33
1	2M	182	PHE	C-N	-21.47	1.03	1.33
1	22	182	PHE	C-N	-21.47	1.03	1.33
1	3M	182	PHE	C-N	-21.47	1.03	1.33
1	36	182	PHE	C-N	-21.47	1.03	1.33
1	4I	182	PHE	C-N	-21.47	1.03	1.33
1	4Q	182	PHE	C-N	-21.47	1.03	1.33
1	5Y	182	PHE	C-N	-21.47	1.03	1.33
1	6E	182	PHE	C-N	-21.47	1.03	1.33
1	6Y	182	PHE	C-N	-21.47	1.03	1.33
1	7I	182	PHE	C-N	-21.47	1.03	1.33
1	7U	182	PHE	C-N	-21.47	1.03	1.33
2	1F	222	GLN	CA-CB	21.47	1.91	1.53
2	2N	222	GLN	CA-CB	21.47	1.91	1.53
2	23	222	GLN	CA-CB	21.47	1.91	1.53
2	3N	222	GLN	CA-CB	21.47	1.91	1.53
2	37	222	GLN	CA-CB	21.47	1.91	1.53
2	4J	222	GLN	CA-CB	21.47	1.91	1.53
2	4R	222	GLN	CA-CB	21.47	1.91	1.53
2	5Z	222	GLN	CA-CB	21.47	1.91	1.53
2	6F	222	GLN	CA-CB	21.47	1.91	1.53
2	6Z	222	GLN	CA-CB	21.47	1.91	1.53
2	7J	222	GLN	CA-CB	21.47	1.91	1.53
2	7V	222	GLN	CA-CB	21.47	1.91	1.53
2	1B	222	GLN	CA-CB	21.47	1.91	1.53
2	1J	222	GLN	CA-CB	21.47	1.91	1.53
2	2F	222	GLN	CA-CB	21.47	1.91	1.53
2	27	222	GLN	CA-CB	21.47	1.91	1.53
2	3F	222	GLN	CA-CB	21.47	1.91	1.53
2	4B	222	GLN	CA-CB	21.47	1.91	1.53
2	4N	222	GLN	CA-CB	21.47	1.91	1.53
2	4V	222	GLN	CA-CB	21.47	1.91	1.53
2	5R	222	GLN	CA-CB	21.47	1.91	1.53
2	6J	222	GLN	CA-CB	21.47	1.91	1.53
2	6R	222	GLN	CA-CB	21.47	1.91	1.53
2	7N	222	GLN	CA-CB	21.47	1.91	1.53
2	13	222	GLN	CA-CB	21.46	1.91	1.53
2	17	222	GLN	CA-CB	21.46	1.91	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	222	GLN	CA-CB	21.46	1.91	1.53
2	3R	222	GLN	CA-CB	21.46	1.91	1.53
2	3V	222	GLN	CA-CB	21.46	1.91	1.53
2	3Z	222	GLN	CA-CB	21.46	1.91	1.53
2	5F	222	GLN	CA-CB	21.46	1.91	1.53
2	5J	222	GLN	CA-CB	21.46	1.91	1.53
2	5N	222	GLN	CA-CB	21.46	1.91	1.53
2	63	222	GLN	CA-CB	21.46	1.91	1.53
2	67	222	GLN	CA-CB	21.46	1.91	1.53
2	7B	222	GLN	CA-CB	21.46	1.91	1.53
2	1R	222	GLN	CA-CB	21.45	1.91	1.53
2	1V	222	GLN	CA-CB	21.45	1.91	1.53
2	1Z	222	GLN	CA-CB	21.45	1.91	1.53
2	2R	222	GLN	CA-CB	21.45	1.91	1.53
2	2V	222	GLN	CA-CB	21.45	1.91	1.53
2	2Z	222	GLN	CA-CB	21.45	1.91	1.53
2	43	222	GLN	CA-CB	21.45	1.91	1.53
2	47	222	GLN	CA-CB	21.45	1.91	1.53
2	5B	222	GLN	CA-CB	21.45	1.91	1.53
2	53	222	GLN	CA-CB	21.45	1.91	1.53
2	57	222	GLN	CA-CB	21.45	1.91	1.53
2	6B	222	GLN	CA-CB	21.45	1.91	1.53
2	1N	222	GLN	CA-CB	21.45	1.91	1.53
2	2J	222	GLN	CA-CB	21.45	1.91	1.53
2	3B	222	GLN	CA-CB	21.45	1.91	1.53
2	3J	222	GLN	CA-CB	21.45	1.91	1.53
2	33	222	GLN	CA-CB	21.45	1.91	1.53
2	4F	222	GLN	CA-CB	21.45	1.91	1.53
2	4Z	222	GLN	CA-CB	21.45	1.91	1.53
2	5V	222	GLN	CA-CB	21.45	1.91	1.53
2	6N	222	GLN	CA-CB	21.45	1.91	1.53
2	6V	222	GLN	CA-CB	21.45	1.91	1.53
2	7F	222	GLN	CA-CB	21.45	1.91	1.53
2	7R	222	GLN	CA-CB	21.45	1.91	1.53
2	13	67	THR	N-CA	-21.45	1.21	1.45
2	17	67	THR	N-CA	-21.45	1.21	1.45
2	2B	67	THR	N-CA	-21.45	1.21	1.45
2	3R	67	THR	N-CA	-21.45	1.21	1.45
2	3V	67	THR	N-CA	-21.45	1.21	1.45
2	3Z	67	THR	N-CA	-21.45	1.21	1.45
2	5F	67	THR	N-CA	-21.45	1.21	1.45
2	5J	67	THR	N-CA	-21.45	1.21	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	67	THR	N-CA	-21.45	1.21	1.45
2	63	67	THR	N-CA	-21.45	1.21	1.45
2	67	67	THR	N-CA	-21.45	1.21	1.45
2	7B	67	THR	N-CA	-21.45	1.21	1.45
1	12	182	PHE	C-N	-21.44	1.03	1.33
1	16	182	PHE	C-N	-21.44	1.03	1.33
1	2A	182	PHE	C-N	-21.44	1.03	1.33
1	3Q	182	PHE	C-N	-21.44	1.03	1.33
1	3U	182	PHE	C-N	-21.44	1.03	1.33
1	3Y	182	PHE	C-N	-21.44	1.03	1.33
1	5E	182	PHE	C-N	-21.44	1.03	1.33
1	5I	182	PHE	C-N	-21.44	1.03	1.33
1	5M	182	PHE	C-N	-21.44	1.03	1.33
1	62	182	PHE	C-N	-21.44	1.03	1.33
1	66	182	PHE	C-N	-21.44	1.03	1.33
1	7A	182	PHE	C-N	-21.44	1.03	1.33
2	1N	67	THR	N-CA	-21.44	1.21	1.45
2	2J	67	THR	N-CA	-21.44	1.21	1.45
2	3B	67	THR	N-CA	-21.44	1.21	1.45
2	3J	67	THR	N-CA	-21.44	1.21	1.45
2	33	67	THR	N-CA	-21.44	1.21	1.45
2	4F	67	THR	N-CA	-21.44	1.21	1.45
2	4Z	67	THR	N-CA	-21.44	1.21	1.45
2	5V	67	THR	N-CA	-21.44	1.21	1.45
2	6N	67	THR	N-CA	-21.44	1.21	1.45
2	6V	67	THR	N-CA	-21.44	1.21	1.45
2	7F	67	THR	N-CA	-21.44	1.21	1.45
2	7R	67	THR	N-CA	-21.44	1.21	1.45
1	1Q	182	PHE	C-N	-21.43	1.03	1.33
1	1U	182	PHE	C-N	-21.43	1.03	1.33
1	1Y	182	PHE	C-N	-21.43	1.03	1.33
1	2Q	182	PHE	C-N	-21.43	1.03	1.33
1	2U	182	PHE	C-N	-21.43	1.03	1.33
1	2Y	182	PHE	C-N	-21.43	1.03	1.33
1	42	182	PHE	C-N	-21.43	1.03	1.33
1	46	182	PHE	C-N	-21.43	1.03	1.33
1	5A	182	PHE	C-N	-21.43	1.03	1.33
1	52	182	PHE	C-N	-21.43	1.03	1.33
1	56	182	PHE	C-N	-21.43	1.03	1.33
1	6A	182	PHE	C-N	-21.43	1.03	1.33
1	1A	182	PHE	C-N	-21.43	1.03	1.33
1	1I	182	PHE	C-N	-21.43	1.03	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	182	PHE	C-N	-21.43	1.03	1.33
1	26	182	PHE	C-N	-21.43	1.03	1.33
1	3E	182	PHE	C-N	-21.43	1.03	1.33
1	4A	182	PHE	C-N	-21.43	1.03	1.33
1	4M	182	PHE	C-N	-21.43	1.03	1.33
1	4U	182	PHE	C-N	-21.43	1.03	1.33
1	5Q	182	PHE	C-N	-21.43	1.03	1.33
1	6I	182	PHE	C-N	-21.43	1.03	1.33
1	6Q	182	PHE	C-N	-21.43	1.03	1.33
1	7M	182	PHE	C-N	-21.43	1.03	1.33
1	1E	82	ARG	C-N	21.42	1.60	1.32
1	1Q	82	ARG	C-N	21.42	1.60	1.32
1	1U	82	ARG	C-N	21.42	1.60	1.32
1	1Y	82	ARG	C-N	21.42	1.60	1.32
1	2M	82	ARG	C-N	21.42	1.60	1.32
1	2Q	82	ARG	C-N	21.42	1.60	1.32
1	2U	82	ARG	C-N	21.42	1.60	1.32
1	2Y	82	ARG	C-N	21.42	1.60	1.32
1	22	82	ARG	C-N	21.42	1.60	1.32
1	3M	82	ARG	C-N	21.42	1.60	1.32
1	36	82	ARG	C-N	21.42	1.60	1.32
1	4I	82	ARG	C-N	21.42	1.60	1.32
1	4Q	82	ARG	C-N	21.42	1.60	1.32
1	42	82	ARG	C-N	21.42	1.60	1.32
1	46	82	ARG	C-N	21.42	1.60	1.32
1	5A	82	ARG	C-N	21.42	1.60	1.32
1	5Y	82	ARG	C-N	21.42	1.60	1.32
1	52	82	ARG	C-N	21.42	1.60	1.32
1	56	82	ARG	C-N	21.42	1.60	1.32
1	6A	82	ARG	C-N	21.42	1.60	1.32
1	6E	82	ARG	C-N	21.42	1.60	1.32
1	6Y	82	ARG	C-N	21.42	1.60	1.32
1	7I	82	ARG	C-N	21.42	1.60	1.32
1	7U	82	ARG	C-N	21.42	1.60	1.32
1	1M	182	PHE	C-N	-21.41	1.03	1.33
1	2I	182	PHE	C-N	-21.41	1.03	1.33
1	3A	182	PHE	C-N	-21.41	1.03	1.33
1	3I	182	PHE	C-N	-21.41	1.03	1.33
1	32	182	PHE	C-N	-21.41	1.03	1.33
1	4E	182	PHE	C-N	-21.41	1.03	1.33
1	4Y	182	PHE	C-N	-21.41	1.03	1.33
1	5U	182	PHE	C-N	-21.41	1.03	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	182	PHE	C-N	-21.41	1.03	1.33
1	6U	182	PHE	C-N	-21.41	1.03	1.33
1	7E	182	PHE	C-N	-21.41	1.03	1.33
1	7Q	182	PHE	C-N	-21.41	1.03	1.33
2	1N	14	THR	N-CA	-21.40	1.18	1.46
2	2J	14	THR	N-CA	-21.40	1.18	1.46
2	3B	14	THR	N-CA	-21.40	1.18	1.46
2	3J	14	THR	N-CA	-21.40	1.18	1.46
2	33	14	THR	N-CA	-21.40	1.18	1.46
2	4F	14	THR	N-CA	-21.40	1.18	1.46
2	4Z	14	THR	N-CA	-21.40	1.18	1.46
2	5V	14	THR	N-CA	-21.40	1.18	1.46
2	6N	14	THR	N-CA	-21.40	1.18	1.46
2	6V	14	THR	N-CA	-21.40	1.18	1.46
2	7F	14	THR	N-CA	-21.40	1.18	1.46
2	7R	14	THR	N-CA	-21.40	1.18	1.46
2	13	14	THR	N-CA	-21.38	1.18	1.46
2	17	14	THR	N-CA	-21.38	1.18	1.46
2	2B	14	THR	N-CA	-21.38	1.18	1.46
2	3R	14	THR	N-CA	-21.38	1.18	1.46
2	3V	14	THR	N-CA	-21.38	1.18	1.46
2	3Z	14	THR	N-CA	-21.38	1.18	1.46
2	5F	14	THR	N-CA	-21.38	1.18	1.46
2	5J	14	THR	N-CA	-21.38	1.18	1.46
2	5N	14	THR	N-CA	-21.38	1.18	1.46
2	63	14	THR	N-CA	-21.38	1.18	1.46
2	67	14	THR	N-CA	-21.38	1.18	1.46
2	7B	14	THR	N-CA	-21.38	1.18	1.46
1	1A	82	ARG	C-N	21.38	1.59	1.32
1	1I	82	ARG	C-N	21.38	1.59	1.32
1	2E	82	ARG	C-N	21.38	1.59	1.32
1	26	82	ARG	C-N	21.38	1.59	1.32
1	3E	82	ARG	C-N	21.38	1.59	1.32
1	4A	82	ARG	C-N	21.38	1.59	1.32
1	4M	82	ARG	C-N	21.38	1.59	1.32
1	4U	82	ARG	C-N	21.38	1.59	1.32
1	5Q	82	ARG	C-N	21.38	1.59	1.32
1	6I	82	ARG	C-N	21.38	1.59	1.32
1	6Q	82	ARG	C-N	21.38	1.59	1.32
1	7M	82	ARG	C-N	21.38	1.59	1.32
2	1B	14	THR	N-CA	-21.38	1.18	1.46
2	1J	14	THR	N-CA	-21.38	1.18	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	14	THR	N-CA	-21.38	1.18	1.46
2	27	14	THR	N-CA	-21.38	1.18	1.46
2	3F	14	THR	N-CA	-21.38	1.18	1.46
2	4B	14	THR	N-CA	-21.38	1.18	1.46
2	4N	14	THR	N-CA	-21.38	1.18	1.46
2	4V	14	THR	N-CA	-21.38	1.18	1.46
2	5R	14	THR	N-CA	-21.38	1.18	1.46
2	6J	14	THR	N-CA	-21.38	1.18	1.46
2	6R	14	THR	N-CA	-21.38	1.18	1.46
2	7N	14	THR	N-CA	-21.38	1.18	1.46
1	1M	82	ARG	C-N	21.38	1.59	1.32
1	2I	82	ARG	C-N	21.38	1.59	1.32
1	3A	82	ARG	C-N	21.38	1.59	1.32
1	3I	82	ARG	C-N	21.38	1.59	1.32
1	32	82	ARG	C-N	21.38	1.59	1.32
1	4E	82	ARG	C-N	21.38	1.59	1.32
1	4Y	82	ARG	C-N	21.38	1.59	1.32
1	5U	82	ARG	C-N	21.38	1.59	1.32
1	6M	82	ARG	C-N	21.38	1.59	1.32
1	6U	82	ARG	C-N	21.38	1.59	1.32
1	7E	82	ARG	C-N	21.38	1.59	1.32
1	7Q	82	ARG	C-N	21.38	1.59	1.32
2	1R	59	VAL	CA-CB	-21.37	1.25	1.54
2	1V	59	VAL	CA-CB	-21.37	1.25	1.54
2	1Z	59	VAL	CA-CB	-21.37	1.25	1.54
2	2R	59	VAL	CA-CB	-21.37	1.25	1.54
2	2V	59	VAL	CA-CB	-21.37	1.25	1.54
2	2Z	59	VAL	CA-CB	-21.37	1.25	1.54
2	43	59	VAL	CA-CB	-21.37	1.25	1.54
2	47	59	VAL	CA-CB	-21.37	1.25	1.54
2	5B	59	VAL	CA-CB	-21.37	1.25	1.54
2	53	59	VAL	CA-CB	-21.37	1.25	1.54
2	57	59	VAL	CA-CB	-21.37	1.25	1.54
2	6B	59	VAL	CA-CB	-21.37	1.25	1.54
1	12	82	ARG	C-N	21.37	1.59	1.32
1	16	82	ARG	C-N	21.37	1.59	1.32
1	2A	82	ARG	C-N	21.37	1.59	1.32
1	3Q	82	ARG	C-N	21.37	1.59	1.32
1	3U	82	ARG	C-N	21.37	1.59	1.32
1	3Y	82	ARG	C-N	21.37	1.59	1.32
1	5E	82	ARG	C-N	21.37	1.59	1.32
1	5I	82	ARG	C-N	21.37	1.59	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	82	ARG	C-N	21.37	1.59	1.32
1	62	82	ARG	C-N	21.37	1.59	1.32
1	66	82	ARG	C-N	21.37	1.59	1.32
1	7A	82	ARG	C-N	21.37	1.59	1.32
2	13	41	PHE	CE2-CZ	21.35	2.02	1.38
2	17	41	PHE	CE2-CZ	21.35	2.02	1.38
2	2B	41	PHE	CE2-CZ	21.35	2.02	1.38
2	3R	41	PHE	CE2-CZ	21.35	2.02	1.38
2	3V	41	PHE	CE2-CZ	21.35	2.02	1.38
2	3Z	41	PHE	CE2-CZ	21.35	2.02	1.38
2	5F	41	PHE	CE2-CZ	21.35	2.02	1.38
2	5J	41	PHE	CE2-CZ	21.35	2.02	1.38
2	5N	41	PHE	CE2-CZ	21.35	2.02	1.38
2	63	41	PHE	CE2-CZ	21.35	2.02	1.38
2	67	41	PHE	CE2-CZ	21.35	2.02	1.38
2	7B	41	PHE	CE2-CZ	21.35	2.02	1.38
2	1N	41	PHE	CE2-CZ	21.35	2.02	1.38
2	2J	41	PHE	CE2-CZ	21.35	2.02	1.38
2	3B	41	PHE	CE2-CZ	21.35	2.02	1.38
2	3J	41	PHE	CE2-CZ	21.35	2.02	1.38
2	33	41	PHE	CE2-CZ	21.35	2.02	1.38
2	4F	41	PHE	CE2-CZ	21.35	2.02	1.38
2	4Z	41	PHE	CE2-CZ	21.35	2.02	1.38
2	5V	41	PHE	CE2-CZ	21.35	2.02	1.38
2	6N	41	PHE	CE2-CZ	21.35	2.02	1.38
2	6V	41	PHE	CE2-CZ	21.35	2.02	1.38
2	7F	41	PHE	CE2-CZ	21.35	2.02	1.38
2	7R	41	PHE	CE2-CZ	21.35	2.02	1.38
2	1F	14	THR	N-CA	-21.34	1.18	1.46
2	1N	59	VAL	CA-CB	-21.34	1.25	1.54
2	2J	59	VAL	CA-CB	-21.34	1.25	1.54
2	2N	14	THR	N-CA	-21.34	1.18	1.46
2	23	14	THR	N-CA	-21.34	1.18	1.46
2	3B	59	VAL	CA-CB	-21.34	1.25	1.54
2	3J	59	VAL	CA-CB	-21.34	1.25	1.54
2	3N	14	THR	N-CA	-21.34	1.18	1.46
2	33	59	VAL	CA-CB	-21.34	1.25	1.54
2	37	14	THR	N-CA	-21.34	1.18	1.46
2	4F	59	VAL	CA-CB	-21.34	1.25	1.54
2	4J	14	THR	N-CA	-21.34	1.18	1.46
2	4R	14	THR	N-CA	-21.34	1.18	1.46
2	4Z	59	VAL	CA-CB	-21.34	1.25	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5V	59	VAL	CA-CB	-21.34	1.25	1.54
2	5Z	14	THR	N-CA	-21.34	1.18	1.46
2	6F	14	THR	N-CA	-21.34	1.18	1.46
2	6N	59	VAL	CA-CB	-21.34	1.25	1.54
2	6V	59	VAL	CA-CB	-21.34	1.25	1.54
2	6Z	14	THR	N-CA	-21.34	1.18	1.46
2	7F	59	VAL	CA-CB	-21.34	1.25	1.54
2	7J	14	THR	N-CA	-21.34	1.18	1.46
2	7R	59	VAL	CA-CB	-21.34	1.25	1.54
2	7V	14	THR	N-CA	-21.34	1.18	1.46
2	1F	41	PHE	CE2-CZ	21.34	2.02	1.38
2	2N	41	PHE	CE2-CZ	21.34	2.02	1.38
2	23	41	PHE	CE2-CZ	21.34	2.02	1.38
2	3N	41	PHE	CE2-CZ	21.34	2.02	1.38
2	37	41	PHE	CE2-CZ	21.34	2.02	1.38
2	4J	41	PHE	CE2-CZ	21.34	2.02	1.38
2	4R	41	PHE	CE2-CZ	21.34	2.02	1.38
2	5Z	41	PHE	CE2-CZ	21.34	2.02	1.38
2	6F	41	PHE	CE2-CZ	21.34	2.02	1.38
2	6Z	41	PHE	CE2-CZ	21.34	2.02	1.38
2	7J	41	PHE	CE2-CZ	21.34	2.02	1.38
2	7V	41	PHE	CE2-CZ	21.34	2.02	1.38
2	1B	59	VAL	CA-CB	-21.34	1.25	1.54
2	1J	59	VAL	CA-CB	-21.34	1.25	1.54
2	2F	59	VAL	CA-CB	-21.34	1.25	1.54
2	27	59	VAL	CA-CB	-21.34	1.25	1.54
2	3F	59	VAL	CA-CB	-21.34	1.25	1.54
2	4B	59	VAL	CA-CB	-21.34	1.25	1.54
2	4N	59	VAL	CA-CB	-21.34	1.25	1.54
2	4V	59	VAL	CA-CB	-21.34	1.25	1.54
2	5R	59	VAL	CA-CB	-21.34	1.25	1.54
2	6J	59	VAL	CA-CB	-21.34	1.25	1.54
2	6R	59	VAL	CA-CB	-21.34	1.25	1.54
2	7N	59	VAL	CA-CB	-21.34	1.25	1.54
2	1R	41	PHE	CE2-CZ	21.34	2.02	1.38
2	1V	41	PHE	CE2-CZ	21.34	2.02	1.38
2	1Z	41	PHE	CE2-CZ	21.34	2.02	1.38
2	2R	41	PHE	CE2-CZ	21.34	2.02	1.38
2	2V	41	PHE	CE2-CZ	21.34	2.02	1.38
2	2Z	41	PHE	CE2-CZ	21.34	2.02	1.38
2	43	41	PHE	CE2-CZ	21.34	2.02	1.38
2	47	41	PHE	CE2-CZ	21.34	2.02	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	41	PHE	CE2-CZ	21.34	2.02	1.38
2	53	41	PHE	CE2-CZ	21.34	2.02	1.38
2	57	41	PHE	CE2-CZ	21.34	2.02	1.38
2	6B	41	PHE	CE2-CZ	21.34	2.02	1.38
2	1B	41	PHE	CE2-CZ	21.34	2.02	1.38
2	1J	41	PHE	CE2-CZ	21.34	2.02	1.38
2	2F	41	PHE	CE2-CZ	21.34	2.02	1.38
2	27	41	PHE	CE2-CZ	21.34	2.02	1.38
2	3F	41	PHE	CE2-CZ	21.34	2.02	1.38
2	4B	41	PHE	CE2-CZ	21.34	2.02	1.38
2	4N	41	PHE	CE2-CZ	21.34	2.02	1.38
2	4V	41	PHE	CE2-CZ	21.34	2.02	1.38
2	5R	41	PHE	CE2-CZ	21.34	2.02	1.38
2	6J	41	PHE	CE2-CZ	21.34	2.02	1.38
2	6R	41	PHE	CE2-CZ	21.34	2.02	1.38
2	7N	41	PHE	CE2-CZ	21.34	2.02	1.38
2	1F	59	VAL	CA-CB	-21.33	1.25	1.54
2	13	59	VAL	CA-CB	-21.33	1.25	1.54
2	17	59	VAL	CA-CB	-21.33	1.25	1.54
2	2B	59	VAL	CA-CB	-21.33	1.25	1.54
2	2N	59	VAL	CA-CB	-21.33	1.25	1.54
2	23	59	VAL	CA-CB	-21.33	1.25	1.54
2	3N	59	VAL	CA-CB	-21.33	1.25	1.54
2	3R	59	VAL	CA-CB	-21.33	1.25	1.54
2	3V	59	VAL	CA-CB	-21.33	1.25	1.54
2	3Z	59	VAL	CA-CB	-21.33	1.25	1.54
2	37	59	VAL	CA-CB	-21.33	1.25	1.54
2	4J	59	VAL	CA-CB	-21.33	1.25	1.54
2	4R	59	VAL	CA-CB	-21.33	1.25	1.54
2	5F	59	VAL	CA-CB	-21.33	1.25	1.54
2	5J	59	VAL	CA-CB	-21.33	1.25	1.54
2	5N	59	VAL	CA-CB	-21.33	1.25	1.54
2	5Z	59	VAL	CA-CB	-21.33	1.25	1.54
2	6F	59	VAL	CA-CB	-21.33	1.25	1.54
2	6Z	59	VAL	CA-CB	-21.33	1.25	1.54
2	63	59	VAL	CA-CB	-21.33	1.25	1.54
2	67	59	VAL	CA-CB	-21.33	1.25	1.54
2	7B	59	VAL	CA-CB	-21.33	1.25	1.54
2	7J	59	VAL	CA-CB	-21.33	1.25	1.54
2	7V	59	VAL	CA-CB	-21.33	1.25	1.54
1	12	52	PHE	CB-CG	-21.33	1.01	1.50
1	16	52	PHE	CB-CG	-21.33	1.01	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	52	PHE	CB-CG	-21.33	1.01	1.50
1	3Q	52	PHE	CB-CG	-21.33	1.01	1.50
1	3U	52	PHE	CB-CG	-21.33	1.01	1.50
1	3Y	52	PHE	CB-CG	-21.33	1.01	1.50
1	5E	52	PHE	CB-CG	-21.33	1.01	1.50
1	5I	52	PHE	CB-CG	-21.33	1.01	1.50
1	5M	52	PHE	CB-CG	-21.33	1.01	1.50
1	62	52	PHE	CB-CG	-21.33	1.01	1.50
1	66	52	PHE	CB-CG	-21.33	1.01	1.50
1	7A	52	PHE	CB-CG	-21.33	1.01	1.50
1	12	151	ASN	C-O	21.33	1.50	1.24
1	16	151	ASN	C-O	21.33	1.50	1.24
1	2A	151	ASN	C-O	21.33	1.50	1.24
1	3Q	151	ASN	C-O	21.33	1.50	1.24
1	3U	151	ASN	C-O	21.33	1.50	1.24
1	3Y	151	ASN	C-O	21.33	1.50	1.24
1	5E	151	ASN	C-O	21.33	1.50	1.24
1	5I	151	ASN	C-O	21.33	1.50	1.24
1	5M	151	ASN	C-O	21.33	1.50	1.24
1	62	151	ASN	C-O	21.33	1.50	1.24
1	66	151	ASN	C-O	21.33	1.50	1.24
1	7A	151	ASN	C-O	21.33	1.50	1.24
1	1M	52	PHE	CB-CG	-21.32	1.01	1.50
2	1R	14	THR	N-CA	-21.32	1.18	1.46
2	1V	14	THR	N-CA	-21.32	1.18	1.46
2	1Z	14	THR	N-CA	-21.32	1.18	1.46
1	2I	52	PHE	CB-CG	-21.32	1.01	1.50
2	2R	14	THR	N-CA	-21.32	1.18	1.46
2	2V	14	THR	N-CA	-21.32	1.18	1.46
2	2Z	14	THR	N-CA	-21.32	1.18	1.46
1	3A	52	PHE	CB-CG	-21.32	1.01	1.50
1	3I	52	PHE	CB-CG	-21.32	1.01	1.50
1	32	52	PHE	CB-CG	-21.32	1.01	1.50
1	4E	52	PHE	CB-CG	-21.32	1.01	1.50
1	4Y	52	PHE	CB-CG	-21.32	1.01	1.50
2	43	14	THR	N-CA	-21.32	1.18	1.46
2	47	14	THR	N-CA	-21.32	1.18	1.46
2	5B	14	THR	N-CA	-21.32	1.18	1.46
1	5U	52	PHE	CB-CG	-21.32	1.01	1.50
2	53	14	THR	N-CA	-21.32	1.18	1.46
2	57	14	THR	N-CA	-21.32	1.18	1.46
2	6B	14	THR	N-CA	-21.32	1.18	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	52	PHE	CB-CG	-21.32	1.01	1.50
1	6U	52	PHE	CB-CG	-21.32	1.01	1.50
1	7E	52	PHE	CB-CG	-21.32	1.01	1.50
1	7Q	52	PHE	CB-CG	-21.32	1.01	1.50
1	1E	151	ASN	C-O	21.31	1.50	1.24
1	2M	151	ASN	C-O	21.31	1.50	1.24
1	22	151	ASN	C-O	21.31	1.50	1.24
1	3M	151	ASN	C-O	21.31	1.50	1.24
1	36	151	ASN	C-O	21.31	1.50	1.24
1	4I	151	ASN	C-O	21.31	1.50	1.24
1	4Q	151	ASN	C-O	21.31	1.50	1.24
1	5Y	151	ASN	C-O	21.31	1.50	1.24
1	6E	151	ASN	C-O	21.31	1.50	1.24
1	6Y	151	ASN	C-O	21.31	1.50	1.24
1	7I	151	ASN	C-O	21.31	1.50	1.24
1	7U	151	ASN	C-O	21.31	1.50	1.24
1	1A	151	ASN	C-O	21.30	1.50	1.24
1	1I	151	ASN	C-O	21.30	1.50	1.24
1	2E	151	ASN	C-O	21.30	1.50	1.24
1	26	151	ASN	C-O	21.30	1.50	1.24
1	3E	151	ASN	C-O	21.30	1.50	1.24
1	4A	151	ASN	C-O	21.30	1.50	1.24
1	4M	151	ASN	C-O	21.30	1.50	1.24
1	4U	151	ASN	C-O	21.30	1.50	1.24
1	5Q	151	ASN	C-O	21.30	1.50	1.24
1	6I	151	ASN	C-O	21.30	1.50	1.24
1	6Q	151	ASN	C-O	21.30	1.50	1.24
1	7M	151	ASN	C-O	21.30	1.50	1.24
1	1A	52	PHE	CB-CG	-21.29	1.01	1.50
1	1I	52	PHE	CB-CG	-21.29	1.01	1.50
1	2E	52	PHE	CB-CG	-21.29	1.01	1.50
1	26	52	PHE	CB-CG	-21.29	1.01	1.50
1	3E	52	PHE	CB-CG	-21.29	1.01	1.50
1	4A	52	PHE	CB-CG	-21.29	1.01	1.50
1	4M	52	PHE	CB-CG	-21.29	1.01	1.50
1	4U	52	PHE	CB-CG	-21.29	1.01	1.50
1	5Q	52	PHE	CB-CG	-21.29	1.01	1.50
1	6I	52	PHE	CB-CG	-21.29	1.01	1.50
1	6Q	52	PHE	CB-CG	-21.29	1.01	1.50
1	7M	52	PHE	CB-CG	-21.29	1.01	1.50
1	1Q	151	ASN	C-O	21.29	1.50	1.24
1	1U	151	ASN	C-O	21.29	1.50	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	151	ASN	C-O	21.29	1.50	1.24
1	2Q	151	ASN	C-O	21.29	1.50	1.24
1	2U	151	ASN	C-O	21.29	1.50	1.24
1	2Y	151	ASN	C-O	21.29	1.50	1.24
1	42	151	ASN	C-O	21.29	1.50	1.24
1	46	151	ASN	C-O	21.29	1.50	1.24
1	5A	151	ASN	C-O	21.29	1.50	1.24
1	52	151	ASN	C-O	21.29	1.50	1.24
1	56	151	ASN	C-O	21.29	1.50	1.24
1	6A	151	ASN	C-O	21.29	1.50	1.24
1	1M	151	ASN	C-O	21.29	1.50	1.24
1	2I	151	ASN	C-O	21.29	1.50	1.24
1	3A	151	ASN	C-O	21.29	1.50	1.24
1	3I	151	ASN	C-O	21.29	1.50	1.24
1	32	151	ASN	C-O	21.29	1.50	1.24
1	4E	151	ASN	C-O	21.29	1.50	1.24
1	4Y	151	ASN	C-O	21.29	1.50	1.24
1	5U	151	ASN	C-O	21.29	1.50	1.24
1	6M	151	ASN	C-O	21.29	1.50	1.24
1	6U	151	ASN	C-O	21.29	1.50	1.24
1	7E	151	ASN	C-O	21.29	1.50	1.24
1	7Q	151	ASN	C-O	21.29	1.50	1.24
1	1Q	52	PHE	CB-CG	-21.27	1.01	1.50
1	1U	52	PHE	CB-CG	-21.27	1.01	1.50
1	1Y	52	PHE	CB-CG	-21.27	1.01	1.50
1	2Q	52	PHE	CB-CG	-21.27	1.01	1.50
1	2U	52	PHE	CB-CG	-21.27	1.01	1.50
1	2Y	52	PHE	CB-CG	-21.27	1.01	1.50
1	42	52	PHE	CB-CG	-21.27	1.01	1.50
1	46	52	PHE	CB-CG	-21.27	1.01	1.50
1	5A	52	PHE	CB-CG	-21.27	1.01	1.50
1	52	52	PHE	CB-CG	-21.27	1.01	1.50
1	56	52	PHE	CB-CG	-21.27	1.01	1.50
1	6A	52	PHE	CB-CG	-21.27	1.01	1.50
1	1E	52	PHE	CB-CG	-21.27	1.01	1.50
1	2M	52	PHE	CB-CG	-21.27	1.01	1.50
1	22	52	PHE	CB-CG	-21.27	1.01	1.50
1	3M	52	PHE	CB-CG	-21.27	1.01	1.50
1	36	52	PHE	CB-CG	-21.27	1.01	1.50
1	4I	52	PHE	CB-CG	-21.27	1.01	1.50
1	4Q	52	PHE	CB-CG	-21.27	1.01	1.50
1	5Y	52	PHE	CB-CG	-21.27	1.01	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	52	PHE	CB-CG	-21.27	1.01	1.50
1	6Y	52	PHE	CB-CG	-21.27	1.01	1.50
1	7I	52	PHE	CB-CG	-21.27	1.01	1.50
1	7U	52	PHE	CB-CG	-21.27	1.01	1.50
1	1E	78	SER	N-CA	21.12	1.74	1.45
1	2M	78	SER	N-CA	21.12	1.74	1.45
1	22	78	SER	N-CA	21.12	1.74	1.45
1	3M	78	SER	N-CA	21.12	1.74	1.45
1	36	78	SER	N-CA	21.12	1.74	1.45
1	4I	78	SER	N-CA	21.12	1.74	1.45
1	4Q	78	SER	N-CA	21.12	1.74	1.45
1	5Y	78	SER	N-CA	21.12	1.74	1.45
1	6E	78	SER	N-CA	21.12	1.74	1.45
1	6Y	78	SER	N-CA	21.12	1.74	1.45
1	7I	78	SER	N-CA	21.12	1.74	1.45
1	7U	78	SER	N-CA	21.12	1.74	1.45
1	12	78	SER	N-CA	21.12	1.74	1.45
1	16	78	SER	N-CA	21.12	1.74	1.45
1	2A	78	SER	N-CA	21.12	1.74	1.45
1	3Q	78	SER	N-CA	21.12	1.74	1.45
1	3U	78	SER	N-CA	21.12	1.74	1.45
1	3Y	78	SER	N-CA	21.12	1.74	1.45
1	5E	78	SER	N-CA	21.12	1.74	1.45
1	5I	78	SER	N-CA	21.12	1.74	1.45
1	5M	78	SER	N-CA	21.12	1.74	1.45
1	62	78	SER	N-CA	21.12	1.74	1.45
1	66	78	SER	N-CA	21.12	1.74	1.45
1	7A	78	SER	N-CA	21.12	1.74	1.45
1	1M	78	SER	N-CA	21.10	1.74	1.45
1	2I	78	SER	N-CA	21.10	1.74	1.45
1	3A	78	SER	N-CA	21.10	1.74	1.45
1	3I	78	SER	N-CA	21.10	1.74	1.45
1	32	78	SER	N-CA	21.10	1.74	1.45
1	4E	78	SER	N-CA	21.10	1.74	1.45
1	4Y	78	SER	N-CA	21.10	1.74	1.45
1	5U	78	SER	N-CA	21.10	1.74	1.45
1	6M	78	SER	N-CA	21.10	1.74	1.45
1	6U	78	SER	N-CA	21.10	1.74	1.45
1	7E	78	SER	N-CA	21.10	1.74	1.45
1	7Q	78	SER	N-CA	21.10	1.74	1.45
1	1Q	78	SER	N-CA	21.09	1.74	1.45
1	1U	78	SER	N-CA	21.09	1.74	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	78	SER	N-CA	21.09	1.74	1.45
1	2Q	78	SER	N-CA	21.09	1.74	1.45
1	2U	78	SER	N-CA	21.09	1.74	1.45
1	2Y	78	SER	N-CA	21.09	1.74	1.45
1	42	78	SER	N-CA	21.09	1.74	1.45
1	46	78	SER	N-CA	21.09	1.74	1.45
1	5A	78	SER	N-CA	21.09	1.74	1.45
1	52	78	SER	N-CA	21.09	1.74	1.45
1	56	78	SER	N-CA	21.09	1.74	1.45
1	6A	78	SER	N-CA	21.09	1.74	1.45
1	1A	78	SER	N-CA	21.08	1.74	1.45
1	1I	78	SER	N-CA	21.08	1.74	1.45
1	2E	78	SER	N-CA	21.08	1.74	1.45
1	26	78	SER	N-CA	21.08	1.74	1.45
1	3E	78	SER	N-CA	21.08	1.74	1.45
1	4A	78	SER	N-CA	21.08	1.74	1.45
1	4M	78	SER	N-CA	21.08	1.74	1.45
1	4U	78	SER	N-CA	21.08	1.74	1.45
1	5Q	78	SER	N-CA	21.08	1.74	1.45
1	6I	78	SER	N-CA	21.08	1.74	1.45
1	6Q	78	SER	N-CA	21.08	1.74	1.45
1	7M	78	SER	N-CA	21.08	1.74	1.45
1	1A	146	ASN	CA-C	-21.08	1.26	1.52
2	1B	72	ARG	NE-CZ	21.08	1.56	1.33
1	1I	146	ASN	CA-C	-21.08	1.26	1.52
2	1J	72	ARG	NE-CZ	21.08	1.56	1.33
1	2E	146	ASN	CA-C	-21.08	1.26	1.52
2	2F	72	ARG	NE-CZ	21.08	1.56	1.33
1	26	146	ASN	CA-C	-21.08	1.26	1.52
2	27	72	ARG	NE-CZ	21.08	1.56	1.33
1	3E	146	ASN	CA-C	-21.08	1.26	1.52
2	3F	72	ARG	NE-CZ	21.08	1.56	1.33
1	4A	146	ASN	CA-C	-21.08	1.26	1.52
2	4B	72	ARG	NE-CZ	21.08	1.56	1.33
1	4M	146	ASN	CA-C	-21.08	1.26	1.52
2	4N	72	ARG	NE-CZ	21.08	1.56	1.33
1	4U	146	ASN	CA-C	-21.08	1.26	1.52
2	4V	72	ARG	NE-CZ	21.08	1.56	1.33
1	5Q	146	ASN	CA-C	-21.08	1.26	1.52
2	5R	72	ARG	NE-CZ	21.08	1.56	1.33
1	6I	146	ASN	CA-C	-21.08	1.26	1.52
2	6J	72	ARG	NE-CZ	21.08	1.56	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6Q	146	ASN	CA-C	-21.08	1.26	1.52
2	6R	72	ARG	NE-CZ	21.08	1.56	1.33
1	7M	146	ASN	CA-C	-21.08	1.26	1.52
2	7N	72	ARG	NE-CZ	21.08	1.56	1.33
1	1M	146	ASN	CA-C	-21.08	1.26	1.52
1	2I	146	ASN	CA-C	-21.08	1.26	1.52
1	3A	146	ASN	CA-C	-21.08	1.26	1.52
1	3I	146	ASN	CA-C	-21.08	1.26	1.52
1	32	146	ASN	CA-C	-21.08	1.26	1.52
1	4E	146	ASN	CA-C	-21.08	1.26	1.52
1	4Y	146	ASN	CA-C	-21.08	1.26	1.52
1	5U	146	ASN	CA-C	-21.08	1.26	1.52
1	6M	146	ASN	CA-C	-21.08	1.26	1.52
1	6U	146	ASN	CA-C	-21.08	1.26	1.52
1	7E	146	ASN	CA-C	-21.08	1.26	1.52
1	7Q	146	ASN	CA-C	-21.08	1.26	1.52
2	1R	72	ARG	NE-CZ	21.07	1.56	1.33
2	1V	72	ARG	NE-CZ	21.07	1.56	1.33
2	1Z	72	ARG	NE-CZ	21.07	1.56	1.33
2	2R	72	ARG	NE-CZ	21.07	1.56	1.33
2	2V	72	ARG	NE-CZ	21.07	1.56	1.33
2	2Z	72	ARG	NE-CZ	21.07	1.56	1.33
2	43	72	ARG	NE-CZ	21.07	1.56	1.33
2	47	72	ARG	NE-CZ	21.07	1.56	1.33
2	5B	72	ARG	NE-CZ	21.07	1.56	1.33
2	53	72	ARG	NE-CZ	21.07	1.56	1.33
2	57	72	ARG	NE-CZ	21.07	1.56	1.33
2	6B	72	ARG	NE-CZ	21.07	1.56	1.33
1	12	146	ASN	CA-C	-21.07	1.26	1.52
1	16	146	ASN	CA-C	-21.07	1.26	1.52
1	2A	146	ASN	CA-C	-21.07	1.26	1.52
1	3Q	146	ASN	CA-C	-21.07	1.26	1.52
1	3U	146	ASN	CA-C	-21.07	1.26	1.52
1	3Y	146	ASN	CA-C	-21.07	1.26	1.52
1	5E	146	ASN	CA-C	-21.07	1.26	1.52
1	5I	146	ASN	CA-C	-21.07	1.26	1.52
1	5M	146	ASN	CA-C	-21.07	1.26	1.52
1	62	146	ASN	CA-C	-21.07	1.26	1.52
1	66	146	ASN	CA-C	-21.07	1.26	1.52
1	7A	146	ASN	CA-C	-21.07	1.26	1.52
1	1E	146	ASN	CA-C	-21.06	1.26	1.52
1	1Q	146	ASN	CA-C	-21.06	1.26	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1U	146	ASN	CA-C	-21.06	1.26	1.52
1	1Y	146	ASN	CA-C	-21.06	1.26	1.52
1	2M	146	ASN	CA-C	-21.06	1.26	1.52
1	2Q	146	ASN	CA-C	-21.06	1.26	1.52
1	2U	146	ASN	CA-C	-21.06	1.26	1.52
1	2Y	146	ASN	CA-C	-21.06	1.26	1.52
1	22	146	ASN	CA-C	-21.06	1.26	1.52
1	3M	146	ASN	CA-C	-21.06	1.26	1.52
1	36	146	ASN	CA-C	-21.06	1.26	1.52
1	4I	146	ASN	CA-C	-21.06	1.26	1.52
1	4Q	146	ASN	CA-C	-21.06	1.26	1.52
1	42	146	ASN	CA-C	-21.06	1.26	1.52
1	46	146	ASN	CA-C	-21.06	1.26	1.52
1	5A	146	ASN	CA-C	-21.06	1.26	1.52
1	5Y	146	ASN	CA-C	-21.06	1.26	1.52
1	52	146	ASN	CA-C	-21.06	1.26	1.52
1	56	146	ASN	CA-C	-21.06	1.26	1.52
1	6A	146	ASN	CA-C	-21.06	1.26	1.52
1	6E	146	ASN	CA-C	-21.06	1.26	1.52
1	6Y	146	ASN	CA-C	-21.06	1.26	1.52
1	7I	146	ASN	CA-C	-21.06	1.26	1.52
1	7U	146	ASN	CA-C	-21.06	1.26	1.52
2	1R	217	PRO	C-O	21.05	1.51	1.24
2	1V	217	PRO	C-O	21.05	1.51	1.24
2	1Z	217	PRO	C-O	21.05	1.51	1.24
2	2R	217	PRO	C-O	21.05	1.51	1.24
2	2V	217	PRO	C-O	21.05	1.51	1.24
2	2Z	217	PRO	C-O	21.05	1.51	1.24
2	43	217	PRO	C-O	21.05	1.51	1.24
2	47	217	PRO	C-O	21.05	1.51	1.24
2	5B	217	PRO	C-O	21.05	1.51	1.24
2	53	217	PRO	C-O	21.05	1.51	1.24
2	57	217	PRO	C-O	21.05	1.51	1.24
2	6B	217	PRO	C-O	21.05	1.51	1.24
2	13	4	GLU	N-CA	21.04	1.73	1.46
2	17	4	GLU	N-CA	21.04	1.73	1.46
2	2B	4	GLU	N-CA	21.04	1.73	1.46
2	3R	4	GLU	N-CA	21.04	1.73	1.46
2	3V	4	GLU	N-CA	21.04	1.73	1.46
2	3Z	4	GLU	N-CA	21.04	1.73	1.46
2	5F	4	GLU	N-CA	21.04	1.73	1.46
2	5J	4	GLU	N-CA	21.04	1.73	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	4	GLU	N-CA	21.04	1.73	1.46
2	63	4	GLU	N-CA	21.04	1.73	1.46
2	67	4	GLU	N-CA	21.04	1.73	1.46
2	7B	4	GLU	N-CA	21.04	1.73	1.46
2	13	72	ARG	NE-CZ	21.03	1.56	1.33
2	17	72	ARG	NE-CZ	21.03	1.56	1.33
2	2B	72	ARG	NE-CZ	21.03	1.56	1.33
2	3R	72	ARG	NE-CZ	21.03	1.56	1.33
2	3V	72	ARG	NE-CZ	21.03	1.56	1.33
2	3Z	72	ARG	NE-CZ	21.03	1.56	1.33
2	5F	72	ARG	NE-CZ	21.03	1.56	1.33
2	5J	72	ARG	NE-CZ	21.03	1.56	1.33
2	5N	72	ARG	NE-CZ	21.03	1.56	1.33
2	63	72	ARG	NE-CZ	21.03	1.56	1.33
2	67	72	ARG	NE-CZ	21.03	1.56	1.33
2	7B	72	ARG	NE-CZ	21.03	1.56	1.33
2	1F	72	ARG	NE-CZ	21.03	1.56	1.33
2	2N	72	ARG	NE-CZ	21.03	1.56	1.33
2	23	72	ARG	NE-CZ	21.03	1.56	1.33
2	3N	72	ARG	NE-CZ	21.03	1.56	1.33
2	37	72	ARG	NE-CZ	21.03	1.56	1.33
2	4J	72	ARG	NE-CZ	21.03	1.56	1.33
2	4R	72	ARG	NE-CZ	21.03	1.56	1.33
2	5Z	72	ARG	NE-CZ	21.03	1.56	1.33
2	6F	72	ARG	NE-CZ	21.03	1.56	1.33
2	6Z	72	ARG	NE-CZ	21.03	1.56	1.33
2	7J	72	ARG	NE-CZ	21.03	1.56	1.33
2	7V	72	ARG	NE-CZ	21.03	1.56	1.33
2	1N	72	ARG	NE-CZ	21.02	1.56	1.33
2	2J	72	ARG	NE-CZ	21.02	1.56	1.33
2	3B	72	ARG	NE-CZ	21.02	1.56	1.33
2	3J	72	ARG	NE-CZ	21.02	1.56	1.33
2	33	72	ARG	NE-CZ	21.02	1.56	1.33
2	4F	72	ARG	NE-CZ	21.02	1.56	1.33
2	4Z	72	ARG	NE-CZ	21.02	1.56	1.33
2	5V	72	ARG	NE-CZ	21.02	1.56	1.33
2	6N	72	ARG	NE-CZ	21.02	1.56	1.33
2	6V	72	ARG	NE-CZ	21.02	1.56	1.33
2	7F	72	ARG	NE-CZ	21.02	1.56	1.33
2	7R	72	ARG	NE-CZ	21.02	1.56	1.33
2	1F	4	GLU	N-CA	21.01	1.73	1.46
2	2N	4	GLU	N-CA	21.01	1.73	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	4	GLU	N-CA	21.01	1.73	1.46
2	3N	4	GLU	N-CA	21.01	1.73	1.46
2	37	4	GLU	N-CA	21.01	1.73	1.46
2	4J	4	GLU	N-CA	21.01	1.73	1.46
2	4R	4	GLU	N-CA	21.01	1.73	1.46
2	5Z	4	GLU	N-CA	21.01	1.73	1.46
2	6F	4	GLU	N-CA	21.01	1.73	1.46
2	6Z	4	GLU	N-CA	21.01	1.73	1.46
2	7J	4	GLU	N-CA	21.01	1.73	1.46
2	7V	4	GLU	N-CA	21.01	1.73	1.46
2	13	107	PHE	CD1-CE1	-21.00	0.75	1.38
2	17	107	PHE	CD1-CE1	-21.00	0.75	1.38
2	2B	107	PHE	CD1-CE1	-21.00	0.75	1.38
2	3R	107	PHE	CD1-CE1	-21.00	0.75	1.38
2	3V	107	PHE	CD1-CE1	-21.00	0.75	1.38
2	3Z	107	PHE	CD1-CE1	-21.00	0.75	1.38
2	5F	107	PHE	CD1-CE1	-21.00	0.75	1.38
2	5J	107	PHE	CD1-CE1	-21.00	0.75	1.38
2	5N	107	PHE	CD1-CE1	-21.00	0.75	1.38
2	63	107	PHE	CD1-CE1	-21.00	0.75	1.38
2	67	107	PHE	CD1-CE1	-21.00	0.75	1.38
2	7B	107	PHE	CD1-CE1	-21.00	0.75	1.38
2	1B	4	GLU	N-CA	21.00	1.73	1.46
2	1J	4	GLU	N-CA	21.00	1.73	1.46
2	2F	4	GLU	N-CA	21.00	1.73	1.46
2	27	4	GLU	N-CA	21.00	1.73	1.46
2	3F	4	GLU	N-CA	21.00	1.73	1.46
2	4B	4	GLU	N-CA	21.00	1.73	1.46
2	4N	4	GLU	N-CA	21.00	1.73	1.46
2	4V	4	GLU	N-CA	21.00	1.73	1.46
2	5R	4	GLU	N-CA	21.00	1.73	1.46
2	6J	4	GLU	N-CA	21.00	1.73	1.46
2	6R	4	GLU	N-CA	21.00	1.73	1.46
2	7N	4	GLU	N-CA	21.00	1.73	1.46
2	1B	217	PRO	C-O	20.99	1.51	1.24
2	1J	217	PRO	C-O	20.99	1.51	1.24
2	2F	217	PRO	C-O	20.99	1.51	1.24
2	27	217	PRO	C-O	20.99	1.51	1.24
2	3F	217	PRO	C-O	20.99	1.51	1.24
2	4B	217	PRO	C-O	20.99	1.51	1.24
2	4N	217	PRO	C-O	20.99	1.51	1.24
2	4V	217	PRO	C-O	20.99	1.51	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	217	PRO	C-O	20.99	1.51	1.24
2	6J	217	PRO	C-O	20.99	1.51	1.24
2	6R	217	PRO	C-O	20.99	1.51	1.24
2	7N	217	PRO	C-O	20.99	1.51	1.24
2	1F	219	VAL	CA-CB	20.99	1.81	1.54
2	2N	219	VAL	CA-CB	20.99	1.81	1.54
2	23	219	VAL	CA-CB	20.99	1.81	1.54
2	3N	219	VAL	CA-CB	20.99	1.81	1.54
2	37	219	VAL	CA-CB	20.99	1.81	1.54
2	4J	219	VAL	CA-CB	20.99	1.81	1.54
2	4R	219	VAL	CA-CB	20.99	1.81	1.54
2	5Z	219	VAL	CA-CB	20.99	1.81	1.54
2	6F	219	VAL	CA-CB	20.99	1.81	1.54
2	6Z	219	VAL	CA-CB	20.99	1.81	1.54
2	7J	219	VAL	CA-CB	20.99	1.81	1.54
2	7V	219	VAL	CA-CB	20.99	1.81	1.54
2	1F	217	PRO	C-O	20.99	1.51	1.24
2	2N	217	PRO	C-O	20.99	1.51	1.24
2	23	217	PRO	C-O	20.99	1.51	1.24
2	3N	217	PRO	C-O	20.99	1.51	1.24
2	37	217	PRO	C-O	20.99	1.51	1.24
2	4J	217	PRO	C-O	20.99	1.51	1.24
2	4R	217	PRO	C-O	20.99	1.51	1.24
2	5Z	217	PRO	C-O	20.99	1.51	1.24
2	6F	217	PRO	C-O	20.99	1.51	1.24
2	6Z	217	PRO	C-O	20.99	1.51	1.24
2	7J	217	PRO	C-O	20.99	1.51	1.24
2	7V	217	PRO	C-O	20.99	1.51	1.24
2	1N	4	GLU	N-CA	20.98	1.73	1.46
2	2J	4	GLU	N-CA	20.98	1.73	1.46
2	3B	4	GLU	N-CA	20.98	1.73	1.46
2	3J	4	GLU	N-CA	20.98	1.73	1.46
2	33	4	GLU	N-CA	20.98	1.73	1.46
2	4F	4	GLU	N-CA	20.98	1.73	1.46
2	4Z	4	GLU	N-CA	20.98	1.73	1.46
2	5V	4	GLU	N-CA	20.98	1.73	1.46
2	6N	4	GLU	N-CA	20.98	1.73	1.46
2	6V	4	GLU	N-CA	20.98	1.73	1.46
2	7F	4	GLU	N-CA	20.98	1.73	1.46
2	7R	4	GLU	N-CA	20.98	1.73	1.46
2	1R	4	GLU	N-CA	20.98	1.73	1.46
2	1V	4	GLU	N-CA	20.98	1.73	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	4	GLU	N-CA	20.98	1.73	1.46
2	2R	4	GLU	N-CA	20.98	1.73	1.46
2	2V	4	GLU	N-CA	20.98	1.73	1.46
2	2Z	4	GLU	N-CA	20.98	1.73	1.46
2	43	4	GLU	N-CA	20.98	1.73	1.46
2	47	4	GLU	N-CA	20.98	1.73	1.46
2	5B	4	GLU	N-CA	20.98	1.73	1.46
2	53	4	GLU	N-CA	20.98	1.73	1.46
2	57	4	GLU	N-CA	20.98	1.73	1.46
2	6B	4	GLU	N-CA	20.98	1.73	1.46
2	1B	107	PHE	CD1-CE1	-20.98	0.75	1.38
2	1J	107	PHE	CD1-CE1	-20.98	0.75	1.38
2	2F	107	PHE	CD1-CE1	-20.98	0.75	1.38
2	27	107	PHE	CD1-CE1	-20.98	0.75	1.38
2	3F	107	PHE	CD1-CE1	-20.98	0.75	1.38
2	4B	107	PHE	CD1-CE1	-20.98	0.75	1.38
2	4N	107	PHE	CD1-CE1	-20.98	0.75	1.38
2	4V	107	PHE	CD1-CE1	-20.98	0.75	1.38
2	5R	107	PHE	CD1-CE1	-20.98	0.75	1.38
2	6J	107	PHE	CD1-CE1	-20.98	0.75	1.38
2	6R	107	PHE	CD1-CE1	-20.98	0.75	1.38
2	7N	107	PHE	CD1-CE1	-20.98	0.75	1.38
2	1N	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	2J	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	3B	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	3J	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	33	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	4F	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	4Z	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	5V	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	6N	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	6V	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	7F	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	7R	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	1F	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	2N	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	23	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	3N	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	37	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	4J	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	4R	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	5Z	107	PHE	CD1-CE1	-20.97	0.75	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	6Z	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	7J	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	7V	107	PHE	CD1-CE1	-20.97	0.75	1.38
2	1R	219	VAL	CA-CB	20.97	1.81	1.54
2	1V	219	VAL	CA-CB	20.97	1.81	1.54
2	1Z	219	VAL	CA-CB	20.97	1.81	1.54
2	2R	219	VAL	CA-CB	20.97	1.81	1.54
2	2V	219	VAL	CA-CB	20.97	1.81	1.54
2	2Z	219	VAL	CA-CB	20.97	1.81	1.54
2	43	219	VAL	CA-CB	20.97	1.81	1.54
2	47	219	VAL	CA-CB	20.97	1.81	1.54
2	5B	219	VAL	CA-CB	20.97	1.81	1.54
2	53	219	VAL	CA-CB	20.97	1.81	1.54
2	57	219	VAL	CA-CB	20.97	1.81	1.54
2	6B	219	VAL	CA-CB	20.97	1.81	1.54
2	13	217	PRO	C-O	20.96	1.51	1.24
2	17	217	PRO	C-O	20.96	1.51	1.24
2	2B	217	PRO	C-O	20.96	1.51	1.24
2	3R	217	PRO	C-O	20.96	1.51	1.24
2	3V	217	PRO	C-O	20.96	1.51	1.24
2	3Z	217	PRO	C-O	20.96	1.51	1.24
2	5F	217	PRO	C-O	20.96	1.51	1.24
2	5J	217	PRO	C-O	20.96	1.51	1.24
2	5N	217	PRO	C-O	20.96	1.51	1.24
2	63	217	PRO	C-O	20.96	1.51	1.24
2	67	217	PRO	C-O	20.96	1.51	1.24
2	7B	217	PRO	C-O	20.96	1.51	1.24
2	1N	219	VAL	CA-CB	20.96	1.81	1.54
2	1R	107	PHE	CD1-CE1	-20.96	0.75	1.38
2	1V	107	PHE	CD1-CE1	-20.96	0.75	1.38
2	1Z	107	PHE	CD1-CE1	-20.96	0.75	1.38
2	2J	219	VAL	CA-CB	20.96	1.81	1.54
2	2R	107	PHE	CD1-CE1	-20.96	0.75	1.38
2	2V	107	PHE	CD1-CE1	-20.96	0.75	1.38
2	2Z	107	PHE	CD1-CE1	-20.96	0.75	1.38
2	3B	219	VAL	CA-CB	20.96	1.81	1.54
2	3J	219	VAL	CA-CB	20.96	1.81	1.54
2	33	219	VAL	CA-CB	20.96	1.81	1.54
2	4F	219	VAL	CA-CB	20.96	1.81	1.54
2	4Z	219	VAL	CA-CB	20.96	1.81	1.54
2	43	107	PHE	CD1-CE1	-20.96	0.75	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	107	PHE	CD1-CE1	-20.96	0.75	1.38
2	5B	107	PHE	CD1-CE1	-20.96	0.75	1.38
2	5V	219	VAL	CA-CB	20.96	1.81	1.54
2	53	107	PHE	CD1-CE1	-20.96	0.75	1.38
2	57	107	PHE	CD1-CE1	-20.96	0.75	1.38
2	6B	107	PHE	CD1-CE1	-20.96	0.75	1.38
2	6N	219	VAL	CA-CB	20.96	1.81	1.54
2	6V	219	VAL	CA-CB	20.96	1.81	1.54
2	7F	219	VAL	CA-CB	20.96	1.81	1.54
2	7R	219	VAL	CA-CB	20.96	1.81	1.54
2	1B	219	VAL	CA-CB	20.92	1.80	1.54
2	1J	219	VAL	CA-CB	20.92	1.80	1.54
2	2F	219	VAL	CA-CB	20.92	1.80	1.54
2	27	219	VAL	CA-CB	20.92	1.80	1.54
2	3F	219	VAL	CA-CB	20.92	1.80	1.54
2	4B	219	VAL	CA-CB	20.92	1.80	1.54
2	4N	219	VAL	CA-CB	20.92	1.80	1.54
2	4V	219	VAL	CA-CB	20.92	1.80	1.54
2	5R	219	VAL	CA-CB	20.92	1.80	1.54
2	6J	219	VAL	CA-CB	20.92	1.80	1.54
2	6R	219	VAL	CA-CB	20.92	1.80	1.54
2	7N	219	VAL	CA-CB	20.92	1.80	1.54
2	1N	217	PRO	C-O	20.91	1.50	1.24
2	2J	217	PRO	C-O	20.91	1.50	1.24
2	3B	217	PRO	C-O	20.91	1.50	1.24
2	3J	217	PRO	C-O	20.91	1.50	1.24
2	33	217	PRO	C-O	20.91	1.50	1.24
2	4F	217	PRO	C-O	20.91	1.50	1.24
2	4Z	217	PRO	C-O	20.91	1.50	1.24
2	5V	217	PRO	C-O	20.91	1.50	1.24
2	6N	217	PRO	C-O	20.91	1.50	1.24
2	6V	217	PRO	C-O	20.91	1.50	1.24
2	7F	217	PRO	C-O	20.91	1.50	1.24
2	7R	217	PRO	C-O	20.91	1.50	1.24
2	13	219	VAL	CA-CB	20.90	1.80	1.54
2	17	219	VAL	CA-CB	20.90	1.80	1.54
2	2B	219	VAL	CA-CB	20.90	1.80	1.54
2	3R	219	VAL	CA-CB	20.90	1.80	1.54
2	3V	219	VAL	CA-CB	20.90	1.80	1.54
2	3Z	219	VAL	CA-CB	20.90	1.80	1.54
2	5F	219	VAL	CA-CB	20.90	1.80	1.54
2	5J	219	VAL	CA-CB	20.90	1.80	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	219	VAL	CA-CB	20.90	1.80	1.54
2	63	219	VAL	CA-CB	20.90	1.80	1.54
2	67	219	VAL	CA-CB	20.90	1.80	1.54
2	7B	219	VAL	CA-CB	20.90	1.80	1.54
1	1A	182	PHE	CD2-CE2	20.79	2.01	1.38
1	1I	182	PHE	CD2-CE2	20.79	2.01	1.38
1	2E	182	PHE	CD2-CE2	20.79	2.01	1.38
1	26	182	PHE	CD2-CE2	20.79	2.01	1.38
1	3E	182	PHE	CD2-CE2	20.79	2.01	1.38
1	4A	182	PHE	CD2-CE2	20.79	2.01	1.38
1	4M	182	PHE	CD2-CE2	20.79	2.01	1.38
1	4U	182	PHE	CD2-CE2	20.79	2.01	1.38
1	5Q	182	PHE	CD2-CE2	20.79	2.01	1.38
1	6I	182	PHE	CD2-CE2	20.79	2.01	1.38
1	6Q	182	PHE	CD2-CE2	20.79	2.01	1.38
1	7M	182	PHE	CD2-CE2	20.79	2.01	1.38
1	1Q	182	PHE	CD2-CE2	20.79	2.01	1.38
1	1U	182	PHE	CD2-CE2	20.79	2.01	1.38
1	1Y	182	PHE	CD2-CE2	20.79	2.01	1.38
1	2Q	182	PHE	CD2-CE2	20.79	2.01	1.38
1	2U	182	PHE	CD2-CE2	20.79	2.01	1.38
1	2Y	182	PHE	CD2-CE2	20.79	2.01	1.38
1	42	182	PHE	CD2-CE2	20.79	2.01	1.38
1	46	182	PHE	CD2-CE2	20.79	2.01	1.38
1	5A	182	PHE	CD2-CE2	20.79	2.01	1.38
1	52	182	PHE	CD2-CE2	20.79	2.01	1.38
1	56	182	PHE	CD2-CE2	20.79	2.01	1.38
1	6A	182	PHE	CD2-CE2	20.79	2.01	1.38
1	1E	182	PHE	CD2-CE2	20.78	2.00	1.38
1	2M	182	PHE	CD2-CE2	20.78	2.00	1.38
1	22	182	PHE	CD2-CE2	20.78	2.00	1.38
1	3M	182	PHE	CD2-CE2	20.78	2.00	1.38
1	36	182	PHE	CD2-CE2	20.78	2.00	1.38
1	4I	182	PHE	CD2-CE2	20.78	2.00	1.38
1	4Q	182	PHE	CD2-CE2	20.78	2.00	1.38
1	5Y	182	PHE	CD2-CE2	20.78	2.00	1.38
1	6E	182	PHE	CD2-CE2	20.78	2.00	1.38
1	6Y	182	PHE	CD2-CE2	20.78	2.00	1.38
1	7I	182	PHE	CD2-CE2	20.78	2.00	1.38
1	7U	182	PHE	CD2-CE2	20.78	2.00	1.38
1	12	182	PHE	CD2-CE2	20.77	2.00	1.38
1	16	182	PHE	CD2-CE2	20.77	2.00	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	182	PHE	CD2-CE2	20.77	2.00	1.38
1	3Q	182	PHE	CD2-CE2	20.77	2.00	1.38
1	3U	182	PHE	CD2-CE2	20.77	2.00	1.38
1	3Y	182	PHE	CD2-CE2	20.77	2.00	1.38
1	5E	182	PHE	CD2-CE2	20.77	2.00	1.38
1	5I	182	PHE	CD2-CE2	20.77	2.00	1.38
1	5M	182	PHE	CD2-CE2	20.77	2.00	1.38
1	62	182	PHE	CD2-CE2	20.77	2.00	1.38
1	66	182	PHE	CD2-CE2	20.77	2.00	1.38
1	7A	182	PHE	CD2-CE2	20.77	2.00	1.38
1	1M	182	PHE	CD2-CE2	20.77	2.00	1.38
1	2I	182	PHE	CD2-CE2	20.77	2.00	1.38
1	3A	182	PHE	CD2-CE2	20.77	2.00	1.38
1	3I	182	PHE	CD2-CE2	20.77	2.00	1.38
1	32	182	PHE	CD2-CE2	20.77	2.00	1.38
1	4E	182	PHE	CD2-CE2	20.77	2.00	1.38
1	4Y	182	PHE	CD2-CE2	20.77	2.00	1.38
1	5U	182	PHE	CD2-CE2	20.77	2.00	1.38
1	6M	182	PHE	CD2-CE2	20.77	2.00	1.38
1	6U	182	PHE	CD2-CE2	20.77	2.00	1.38
1	7E	182	PHE	CD2-CE2	20.77	2.00	1.38
1	7Q	182	PHE	CD2-CE2	20.77	2.00	1.38
1	12	68	SER	CA-C	20.69	1.78	1.52
1	16	68	SER	CA-C	20.69	1.78	1.52
1	2A	68	SER	CA-C	20.69	1.78	1.52
1	3Q	68	SER	CA-C	20.69	1.78	1.52
1	3U	68	SER	CA-C	20.69	1.78	1.52
1	3Y	68	SER	CA-C	20.69	1.78	1.52
1	5E	68	SER	CA-C	20.69	1.78	1.52
1	5I	68	SER	CA-C	20.69	1.78	1.52
1	5M	68	SER	CA-C	20.69	1.78	1.52
1	62	68	SER	CA-C	20.69	1.78	1.52
1	66	68	SER	CA-C	20.69	1.78	1.52
1	7A	68	SER	CA-C	20.69	1.78	1.52
1	1A	68	SER	CA-C	20.67	1.78	1.52
1	1I	68	SER	CA-C	20.67	1.78	1.52
1	2E	68	SER	CA-C	20.67	1.78	1.52
1	26	68	SER	CA-C	20.67	1.78	1.52
1	3E	68	SER	CA-C	20.67	1.78	1.52
1	4A	68	SER	CA-C	20.67	1.78	1.52
1	4M	68	SER	CA-C	20.67	1.78	1.52
1	4U	68	SER	CA-C	20.67	1.78	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	68	SER	CA-C	20.67	1.78	1.52
1	6I	68	SER	CA-C	20.67	1.78	1.52
1	6Q	68	SER	CA-C	20.67	1.78	1.52
1	7M	68	SER	CA-C	20.67	1.78	1.52
1	1Q	68	SER	CA-C	20.64	1.78	1.52
1	1U	68	SER	CA-C	20.64	1.78	1.52
1	1Y	68	SER	CA-C	20.64	1.78	1.52
1	2Q	68	SER	CA-C	20.64	1.78	1.52
1	2U	68	SER	CA-C	20.64	1.78	1.52
1	2Y	68	SER	CA-C	20.64	1.78	1.52
1	42	68	SER	CA-C	20.64	1.78	1.52
1	46	68	SER	CA-C	20.64	1.78	1.52
1	5A	68	SER	CA-C	20.64	1.78	1.52
1	52	68	SER	CA-C	20.64	1.78	1.52
1	56	68	SER	CA-C	20.64	1.78	1.52
1	6A	68	SER	CA-C	20.64	1.78	1.52
1	1E	43	HIS	C-N	20.63	1.62	1.33
1	2M	43	HIS	C-N	20.63	1.62	1.33
1	22	43	HIS	C-N	20.63	1.62	1.33
1	3M	43	HIS	C-N	20.63	1.62	1.33
1	36	43	HIS	C-N	20.63	1.62	1.33
1	4I	43	HIS	C-N	20.63	1.62	1.33
1	4Q	43	HIS	C-N	20.63	1.62	1.33
1	5Y	43	HIS	C-N	20.63	1.62	1.33
1	6E	43	HIS	C-N	20.63	1.62	1.33
1	6Y	43	HIS	C-N	20.63	1.62	1.33
1	7I	43	HIS	C-N	20.63	1.62	1.33
1	7U	43	HIS	C-N	20.63	1.62	1.33
1	1M	68	SER	CA-C	20.62	1.78	1.52
1	2I	68	SER	CA-C	20.62	1.78	1.52
1	3A	68	SER	CA-C	20.62	1.78	1.52
1	3I	68	SER	CA-C	20.62	1.78	1.52
1	32	68	SER	CA-C	20.62	1.78	1.52
1	4E	68	SER	CA-C	20.62	1.78	1.52
1	4Y	68	SER	CA-C	20.62	1.78	1.52
1	5U	68	SER	CA-C	20.62	1.78	1.52
1	6M	68	SER	CA-C	20.62	1.78	1.52
1	6U	68	SER	CA-C	20.62	1.78	1.52
1	7E	68	SER	CA-C	20.62	1.78	1.52
1	7Q	68	SER	CA-C	20.62	1.78	1.52
1	1A	43	HIS	C-N	20.61	1.62	1.33
1	1I	43	HIS	C-N	20.61	1.62	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	43	HIS	C-N	20.61	1.62	1.33
1	26	43	HIS	C-N	20.61	1.62	1.33
1	3E	43	HIS	C-N	20.61	1.62	1.33
1	4A	43	HIS	C-N	20.61	1.62	1.33
1	4M	43	HIS	C-N	20.61	1.62	1.33
1	4U	43	HIS	C-N	20.61	1.62	1.33
1	5Q	43	HIS	C-N	20.61	1.62	1.33
1	6I	43	HIS	C-N	20.61	1.62	1.33
1	6Q	43	HIS	C-N	20.61	1.62	1.33
1	7M	43	HIS	C-N	20.61	1.62	1.33
1	1M	43	HIS	C-N	20.61	1.62	1.33
1	2I	43	HIS	C-N	20.61	1.62	1.33
1	3A	43	HIS	C-N	20.61	1.62	1.33
1	3I	43	HIS	C-N	20.61	1.62	1.33
1	32	43	HIS	C-N	20.61	1.62	1.33
1	4E	43	HIS	C-N	20.61	1.62	1.33
1	4Y	43	HIS	C-N	20.61	1.62	1.33
1	5U	43	HIS	C-N	20.61	1.62	1.33
1	6M	43	HIS	C-N	20.61	1.62	1.33
1	6U	43	HIS	C-N	20.61	1.62	1.33
1	7E	43	HIS	C-N	20.61	1.62	1.33
1	7Q	43	HIS	C-N	20.61	1.62	1.33
1	1E	68	SER	CA-C	20.61	1.78	1.52
1	2M	68	SER	CA-C	20.61	1.78	1.52
1	22	68	SER	CA-C	20.61	1.78	1.52
1	3M	68	SER	CA-C	20.61	1.78	1.52
1	36	68	SER	CA-C	20.61	1.78	1.52
1	4I	68	SER	CA-C	20.61	1.78	1.52
1	4Q	68	SER	CA-C	20.61	1.78	1.52
1	5Y	68	SER	CA-C	20.61	1.78	1.52
1	6E	68	SER	CA-C	20.61	1.78	1.52
1	6Y	68	SER	CA-C	20.61	1.78	1.52
1	7I	68	SER	CA-C	20.61	1.78	1.52
1	7U	68	SER	CA-C	20.61	1.78	1.52
2	1R	78	HIS	CA-CB	20.59	1.85	1.53
2	1V	78	HIS	CA-CB	20.59	1.85	1.53
2	1Z	78	HIS	CA-CB	20.59	1.85	1.53
2	2R	78	HIS	CA-CB	20.59	1.85	1.53
2	2V	78	HIS	CA-CB	20.59	1.85	1.53
2	2Z	78	HIS	CA-CB	20.59	1.85	1.53
2	43	78	HIS	CA-CB	20.59	1.85	1.53
2	47	78	HIS	CA-CB	20.59	1.85	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	78	HIS	CA-CB	20.59	1.85	1.53
2	53	78	HIS	CA-CB	20.59	1.85	1.53
2	57	78	HIS	CA-CB	20.59	1.85	1.53
2	6B	78	HIS	CA-CB	20.59	1.85	1.53
2	13	78	HIS	CA-CB	20.59	1.85	1.53
2	17	78	HIS	CA-CB	20.59	1.85	1.53
2	2B	78	HIS	CA-CB	20.59	1.85	1.53
2	3R	78	HIS	CA-CB	20.59	1.85	1.53
2	3V	78	HIS	CA-CB	20.59	1.85	1.53
2	3Z	78	HIS	CA-CB	20.59	1.85	1.53
2	5F	78	HIS	CA-CB	20.59	1.85	1.53
2	5J	78	HIS	CA-CB	20.59	1.85	1.53
2	5N	78	HIS	CA-CB	20.59	1.85	1.53
2	63	78	HIS	CA-CB	20.59	1.85	1.53
2	67	78	HIS	CA-CB	20.59	1.85	1.53
2	7B	78	HIS	CA-CB	20.59	1.85	1.53
1	12	43	HIS	C-N	20.57	1.62	1.33
1	16	43	HIS	C-N	20.57	1.62	1.33
1	2A	43	HIS	C-N	20.57	1.62	1.33
1	3Q	43	HIS	C-N	20.57	1.62	1.33
1	3U	43	HIS	C-N	20.57	1.62	1.33
1	3Y	43	HIS	C-N	20.57	1.62	1.33
1	5E	43	HIS	C-N	20.57	1.62	1.33
1	5I	43	HIS	C-N	20.57	1.62	1.33
1	5M	43	HIS	C-N	20.57	1.62	1.33
1	62	43	HIS	C-N	20.57	1.62	1.33
1	66	43	HIS	C-N	20.57	1.62	1.33
1	7A	43	HIS	C-N	20.57	1.62	1.33
1	1Q	43	HIS	C-N	20.56	1.62	1.33
1	1U	43	HIS	C-N	20.56	1.62	1.33
1	1Y	43	HIS	C-N	20.56	1.62	1.33
1	2Q	43	HIS	C-N	20.56	1.62	1.33
1	2U	43	HIS	C-N	20.56	1.62	1.33
1	2Y	43	HIS	C-N	20.56	1.62	1.33
1	42	43	HIS	C-N	20.56	1.62	1.33
1	46	43	HIS	C-N	20.56	1.62	1.33
1	5A	43	HIS	C-N	20.56	1.62	1.33
1	52	43	HIS	C-N	20.56	1.62	1.33
1	56	43	HIS	C-N	20.56	1.62	1.33
1	6A	43	HIS	C-N	20.56	1.62	1.33
2	1N	78	HIS	CA-CB	20.56	1.85	1.53
2	2J	78	HIS	CA-CB	20.56	1.85	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	78	HIS	CA-CB	20.56	1.85	1.53
2	3J	78	HIS	CA-CB	20.56	1.85	1.53
2	33	78	HIS	CA-CB	20.56	1.85	1.53
2	4F	78	HIS	CA-CB	20.56	1.85	1.53
2	4Z	78	HIS	CA-CB	20.56	1.85	1.53
2	5V	78	HIS	CA-CB	20.56	1.85	1.53
2	6N	78	HIS	CA-CB	20.56	1.85	1.53
2	6V	78	HIS	CA-CB	20.56	1.85	1.53
2	7F	78	HIS	CA-CB	20.56	1.85	1.53
2	7R	78	HIS	CA-CB	20.56	1.85	1.53
2	1F	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	1R	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	1V	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	1Z	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	2N	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	2R	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	2V	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	2Z	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	23	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	3N	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	37	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	4J	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	4R	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	43	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	47	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	5B	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	5Z	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	53	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	57	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	6B	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	6F	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	6Z	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	7J	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	7V	74	TYR	CD2-CE2	-20.55	0.77	1.38
2	1F	78	HIS	CA-CB	20.54	1.85	1.53
2	2N	78	HIS	CA-CB	20.54	1.85	1.53
2	23	78	HIS	CA-CB	20.54	1.85	1.53
2	3N	78	HIS	CA-CB	20.54	1.85	1.53
2	37	78	HIS	CA-CB	20.54	1.85	1.53
2	4J	78	HIS	CA-CB	20.54	1.85	1.53
2	4R	78	HIS	CA-CB	20.54	1.85	1.53
2	5Z	78	HIS	CA-CB	20.54	1.85	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	78	HIS	CA-CB	20.54	1.85	1.53
2	6Z	78	HIS	CA-CB	20.54	1.85	1.53
2	7J	78	HIS	CA-CB	20.54	1.85	1.53
2	7V	78	HIS	CA-CB	20.54	1.85	1.53
1	1E	13	ALA	N-CA	20.54	1.72	1.46
1	2M	13	ALA	N-CA	20.54	1.72	1.46
1	22	13	ALA	N-CA	20.54	1.72	1.46
1	3M	13	ALA	N-CA	20.54	1.72	1.46
1	36	13	ALA	N-CA	20.54	1.72	1.46
1	4I	13	ALA	N-CA	20.54	1.72	1.46
1	4Q	13	ALA	N-CA	20.54	1.72	1.46
1	5Y	13	ALA	N-CA	20.54	1.72	1.46
1	6E	13	ALA	N-CA	20.54	1.72	1.46
1	6Y	13	ALA	N-CA	20.54	1.72	1.46
1	7I	13	ALA	N-CA	20.54	1.72	1.46
1	7U	13	ALA	N-CA	20.54	1.72	1.46
2	1B	78	HIS	CA-CB	20.54	1.85	1.53
2	1J	78	HIS	CA-CB	20.54	1.85	1.53
1	12	13	ALA	N-CA	20.54	1.72	1.46
1	16	13	ALA	N-CA	20.54	1.72	1.46
1	2A	13	ALA	N-CA	20.54	1.72	1.46
2	2F	78	HIS	CA-CB	20.54	1.85	1.53
2	27	78	HIS	CA-CB	20.54	1.85	1.53
2	3F	78	HIS	CA-CB	20.54	1.85	1.53
1	3Q	13	ALA	N-CA	20.54	1.72	1.46
1	3U	13	ALA	N-CA	20.54	1.72	1.46
1	3Y	13	ALA	N-CA	20.54	1.72	1.46
2	4B	78	HIS	CA-CB	20.54	1.85	1.53
2	4N	78	HIS	CA-CB	20.54	1.85	1.53
2	4V	78	HIS	CA-CB	20.54	1.85	1.53
1	5E	13	ALA	N-CA	20.54	1.72	1.46
1	5I	13	ALA	N-CA	20.54	1.72	1.46
1	5M	13	ALA	N-CA	20.54	1.72	1.46
2	5R	78	HIS	CA-CB	20.54	1.85	1.53
2	6J	78	HIS	CA-CB	20.54	1.85	1.53
2	6R	78	HIS	CA-CB	20.54	1.85	1.53
1	62	13	ALA	N-CA	20.54	1.72	1.46
1	66	13	ALA	N-CA	20.54	1.72	1.46
1	7A	13	ALA	N-CA	20.54	1.72	1.46
2	7N	78	HIS	CA-CB	20.54	1.85	1.53
2	1N	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	2J	74	TYR	CD2-CE2	-20.53	0.77	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	3J	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	33	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	4F	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	4Z	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	5V	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	6N	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	6V	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	7F	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	7R	74	TYR	CD2-CE2	-20.53	0.77	1.38
1	1A	13	ALA	N-CA	20.53	1.72	1.46
1	1I	13	ALA	N-CA	20.53	1.72	1.46
2	13	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	17	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	2B	74	TYR	CD2-CE2	-20.53	0.77	1.38
1	2E	13	ALA	N-CA	20.53	1.72	1.46
1	26	13	ALA	N-CA	20.53	1.72	1.46
1	3E	13	ALA	N-CA	20.53	1.72	1.46
2	3R	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	3V	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	3Z	74	TYR	CD2-CE2	-20.53	0.77	1.38
1	4A	13	ALA	N-CA	20.53	1.72	1.46
1	4M	13	ALA	N-CA	20.53	1.72	1.46
1	4U	13	ALA	N-CA	20.53	1.72	1.46
2	5F	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	5J	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	5N	74	TYR	CD2-CE2	-20.53	0.77	1.38
1	5Q	13	ALA	N-CA	20.53	1.72	1.46
1	6I	13	ALA	N-CA	20.53	1.72	1.46
1	6Q	13	ALA	N-CA	20.53	1.72	1.46
2	63	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	67	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	7B	74	TYR	CD2-CE2	-20.53	0.77	1.38
1	7M	13	ALA	N-CA	20.53	1.72	1.46
2	1B	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	1J	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	2F	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	27	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	3F	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	4B	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	4N	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	4V	74	TYR	CD2-CE2	-20.53	0.77	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	6J	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	6R	74	TYR	CD2-CE2	-20.53	0.77	1.38
2	7N	74	TYR	CD2-CE2	-20.53	0.77	1.38
1	1Q	13	ALA	N-CA	20.52	1.72	1.46
1	1U	13	ALA	N-CA	20.52	1.72	1.46
1	1Y	13	ALA	N-CA	20.52	1.72	1.46
1	2Q	13	ALA	N-CA	20.52	1.72	1.46
1	2U	13	ALA	N-CA	20.52	1.72	1.46
1	2Y	13	ALA	N-CA	20.52	1.72	1.46
1	42	13	ALA	N-CA	20.52	1.72	1.46
1	46	13	ALA	N-CA	20.52	1.72	1.46
1	5A	13	ALA	N-CA	20.52	1.72	1.46
1	52	13	ALA	N-CA	20.52	1.72	1.46
1	56	13	ALA	N-CA	20.52	1.72	1.46
1	6A	13	ALA	N-CA	20.52	1.72	1.46
2	1F	59	VAL	CA-C	20.51	1.85	1.52
2	2N	59	VAL	CA-C	20.51	1.85	1.52
2	23	59	VAL	CA-C	20.51	1.85	1.52
2	3N	59	VAL	CA-C	20.51	1.85	1.52
2	37	59	VAL	CA-C	20.51	1.85	1.52
2	4J	59	VAL	CA-C	20.51	1.85	1.52
2	4R	59	VAL	CA-C	20.51	1.85	1.52
2	5Z	59	VAL	CA-C	20.51	1.85	1.52
2	6F	59	VAL	CA-C	20.51	1.85	1.52
2	6Z	59	VAL	CA-C	20.51	1.85	1.52
2	7J	59	VAL	CA-C	20.51	1.85	1.52
2	7V	59	VAL	CA-C	20.51	1.85	1.52
2	1B	59	VAL	CA-C	20.51	1.85	1.52
2	1J	59	VAL	CA-C	20.51	1.85	1.52
2	2F	59	VAL	CA-C	20.51	1.85	1.52
2	27	59	VAL	CA-C	20.51	1.85	1.52
2	3F	59	VAL	CA-C	20.51	1.85	1.52
2	4B	59	VAL	CA-C	20.51	1.85	1.52
2	4N	59	VAL	CA-C	20.51	1.85	1.52
2	4V	59	VAL	CA-C	20.51	1.85	1.52
2	5R	59	VAL	CA-C	20.51	1.85	1.52
2	6J	59	VAL	CA-C	20.51	1.85	1.52
2	6R	59	VAL	CA-C	20.51	1.85	1.52
2	7N	59	VAL	CA-C	20.51	1.85	1.52
2	1R	59	VAL	CA-C	20.50	1.85	1.52
2	1V	59	VAL	CA-C	20.50	1.85	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	59	VAL	CA-C	20.50	1.85	1.52
2	2R	59	VAL	CA-C	20.50	1.85	1.52
2	2V	59	VAL	CA-C	20.50	1.85	1.52
2	2Z	59	VAL	CA-C	20.50	1.85	1.52
2	43	59	VAL	CA-C	20.50	1.85	1.52
2	47	59	VAL	CA-C	20.50	1.85	1.52
2	5B	59	VAL	CA-C	20.50	1.85	1.52
2	53	59	VAL	CA-C	20.50	1.85	1.52
2	57	59	VAL	CA-C	20.50	1.85	1.52
2	6B	59	VAL	CA-C	20.50	1.85	1.52
1	1M	84	ARG	CA-C	-20.50	1.25	1.52
1	2I	84	ARG	CA-C	-20.50	1.25	1.52
1	3A	84	ARG	CA-C	-20.50	1.25	1.52
1	3I	84	ARG	CA-C	-20.50	1.25	1.52
1	32	84	ARG	CA-C	-20.50	1.25	1.52
1	4E	84	ARG	CA-C	-20.50	1.25	1.52
1	4Y	84	ARG	CA-C	-20.50	1.25	1.52
1	5U	84	ARG	CA-C	-20.50	1.25	1.52
1	6M	84	ARG	CA-C	-20.50	1.25	1.52
1	6U	84	ARG	CA-C	-20.50	1.25	1.52
1	7E	84	ARG	CA-C	-20.50	1.25	1.52
1	7Q	84	ARG	CA-C	-20.50	1.25	1.52
2	1N	59	VAL	CA-C	20.50	1.85	1.52
2	2J	59	VAL	CA-C	20.50	1.85	1.52
2	3B	59	VAL	CA-C	20.50	1.85	1.52
2	3J	59	VAL	CA-C	20.50	1.85	1.52
2	33	59	VAL	CA-C	20.50	1.85	1.52
2	4F	59	VAL	CA-C	20.50	1.85	1.52
2	4Z	59	VAL	CA-C	20.50	1.85	1.52
2	5V	59	VAL	CA-C	20.50	1.85	1.52
2	6N	59	VAL	CA-C	20.50	1.85	1.52
2	6V	59	VAL	CA-C	20.50	1.85	1.52
2	7F	59	VAL	CA-C	20.50	1.85	1.52
2	7R	59	VAL	CA-C	20.50	1.85	1.52
2	1B	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	1J	31	PHE	CD1-CE1	-20.49	0.77	1.38
1	1M	13	ALA	N-CA	20.49	1.72	1.46
2	13	59	VAL	CA-C	20.49	1.85	1.52
2	17	59	VAL	CA-C	20.49	1.85	1.52
2	2B	59	VAL	CA-C	20.49	1.85	1.52
2	2F	31	PHE	CD1-CE1	-20.49	0.77	1.38
1	2I	13	ALA	N-CA	20.49	1.72	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	27	31	PHE	CD1-CE1	-20.49	0.77	1.38
1	3A	13	ALA	N-CA	20.49	1.72	1.46
2	3F	31	PHE	CD1-CE1	-20.49	0.77	1.38
1	3I	13	ALA	N-CA	20.49	1.72	1.46
2	3R	59	VAL	CA-C	20.49	1.85	1.52
2	3V	59	VAL	CA-C	20.49	1.85	1.52
2	3Z	59	VAL	CA-C	20.49	1.85	1.52
1	32	13	ALA	N-CA	20.49	1.72	1.46
2	4B	31	PHE	CD1-CE1	-20.49	0.77	1.38
1	4E	13	ALA	N-CA	20.49	1.72	1.46
2	4N	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	4V	31	PHE	CD1-CE1	-20.49	0.77	1.38
1	4Y	13	ALA	N-CA	20.49	1.72	1.46
2	5F	59	VAL	CA-C	20.49	1.85	1.52
2	5J	59	VAL	CA-C	20.49	1.85	1.52
2	5N	59	VAL	CA-C	20.49	1.85	1.52
2	5R	31	PHE	CD1-CE1	-20.49	0.77	1.38
1	5U	13	ALA	N-CA	20.49	1.72	1.46
2	6J	31	PHE	CD1-CE1	-20.49	0.77	1.38
1	6M	13	ALA	N-CA	20.49	1.72	1.46
2	6R	31	PHE	CD1-CE1	-20.49	0.77	1.38
1	6U	13	ALA	N-CA	20.49	1.72	1.46
2	63	59	VAL	CA-C	20.49	1.85	1.52
2	67	59	VAL	CA-C	20.49	1.85	1.52
2	7B	59	VAL	CA-C	20.49	1.85	1.52
1	7E	13	ALA	N-CA	20.49	1.72	1.46
2	7N	31	PHE	CD1-CE1	-20.49	0.77	1.38
1	7Q	13	ALA	N-CA	20.49	1.72	1.46
2	1N	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	2J	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	3B	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	3J	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	33	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	4F	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	4Z	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	5V	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	6N	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	6V	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	7F	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	7R	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	1R	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	1V	31	PHE	CD1-CE1	-20.49	0.77	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	2R	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	2V	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	2Z	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	43	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	47	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	5B	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	53	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	57	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	6B	31	PHE	CD1-CE1	-20.49	0.77	1.38
2	13	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	17	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	2B	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	3R	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	3V	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	3Z	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	5F	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	5J	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	5N	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	63	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	67	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	7B	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	1F	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	2N	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	23	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	3N	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	37	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	4J	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	4R	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	5Z	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	6F	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	6Z	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	7J	31	PHE	CD1-CE1	-20.48	0.77	1.38
2	7V	31	PHE	CD1-CE1	-20.48	0.77	1.38
1	1A	180	VAL	N-CA	-20.48	1.21	1.46
1	1I	180	VAL	N-CA	-20.48	1.21	1.46
1	2E	180	VAL	N-CA	-20.48	1.21	1.46
1	26	180	VAL	N-CA	-20.48	1.21	1.46
1	3E	180	VAL	N-CA	-20.48	1.21	1.46
1	4A	180	VAL	N-CA	-20.48	1.21	1.46
1	4M	180	VAL	N-CA	-20.48	1.21	1.46
1	4U	180	VAL	N-CA	-20.48	1.21	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	180	VAL	N-CA	-20.48	1.21	1.46
1	6I	180	VAL	N-CA	-20.48	1.21	1.46
1	6Q	180	VAL	N-CA	-20.48	1.21	1.46
1	7M	180	VAL	N-CA	-20.48	1.21	1.46
1	1M	180	VAL	N-CA	-20.48	1.21	1.46
1	2I	180	VAL	N-CA	-20.48	1.21	1.46
1	3A	180	VAL	N-CA	-20.48	1.21	1.46
1	3I	180	VAL	N-CA	-20.48	1.21	1.46
1	32	180	VAL	N-CA	-20.48	1.21	1.46
1	4E	180	VAL	N-CA	-20.48	1.21	1.46
1	4Y	180	VAL	N-CA	-20.48	1.21	1.46
1	5U	180	VAL	N-CA	-20.48	1.21	1.46
1	6M	180	VAL	N-CA	-20.48	1.21	1.46
1	6U	180	VAL	N-CA	-20.48	1.21	1.46
1	7E	180	VAL	N-CA	-20.48	1.21	1.46
1	7Q	180	VAL	N-CA	-20.48	1.21	1.46
1	1E	180	VAL	N-CA	-20.47	1.21	1.46
1	2M	180	VAL	N-CA	-20.47	1.21	1.46
1	22	180	VAL	N-CA	-20.47	1.21	1.46
1	3M	180	VAL	N-CA	-20.47	1.21	1.46
1	36	180	VAL	N-CA	-20.47	1.21	1.46
1	4I	180	VAL	N-CA	-20.47	1.21	1.46
1	4Q	180	VAL	N-CA	-20.47	1.21	1.46
1	5Y	180	VAL	N-CA	-20.47	1.21	1.46
1	6E	180	VAL	N-CA	-20.47	1.21	1.46
1	6Y	180	VAL	N-CA	-20.47	1.21	1.46
1	7I	180	VAL	N-CA	-20.47	1.21	1.46
1	7U	180	VAL	N-CA	-20.47	1.21	1.46
1	1E	84	ARG	CA-C	-20.46	1.25	1.52
1	2M	84	ARG	CA-C	-20.46	1.25	1.52
1	22	84	ARG	CA-C	-20.46	1.25	1.52
1	3M	84	ARG	CA-C	-20.46	1.25	1.52
1	36	84	ARG	CA-C	-20.46	1.25	1.52
1	4I	84	ARG	CA-C	-20.46	1.25	1.52
1	4Q	84	ARG	CA-C	-20.46	1.25	1.52
1	5Y	84	ARG	CA-C	-20.46	1.25	1.52
1	6E	84	ARG	CA-C	-20.46	1.25	1.52
1	6Y	84	ARG	CA-C	-20.46	1.25	1.52
1	7I	84	ARG	CA-C	-20.46	1.25	1.52
1	7U	84	ARG	CA-C	-20.46	1.25	1.52
1	1A	84	ARG	CA-C	-20.44	1.25	1.52
1	1I	84	ARG	CA-C	-20.44	1.25	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	84	ARG	CA-C	-20.44	1.25	1.52
1	26	84	ARG	CA-C	-20.44	1.25	1.52
1	3E	84	ARG	CA-C	-20.44	1.25	1.52
1	4A	84	ARG	CA-C	-20.44	1.25	1.52
1	4M	84	ARG	CA-C	-20.44	1.25	1.52
1	4U	84	ARG	CA-C	-20.44	1.25	1.52
1	5Q	84	ARG	CA-C	-20.44	1.25	1.52
1	6I	84	ARG	CA-C	-20.44	1.25	1.52
1	6Q	84	ARG	CA-C	-20.44	1.25	1.52
1	7M	84	ARG	CA-C	-20.44	1.25	1.52
1	1Q	180	VAL	N-CA	-20.44	1.21	1.46
1	1U	180	VAL	N-CA	-20.44	1.21	1.46
1	1Y	180	VAL	N-CA	-20.44	1.21	1.46
1	12	180	VAL	N-CA	-20.44	1.21	1.46
1	16	180	VAL	N-CA	-20.44	1.21	1.46
1	2A	180	VAL	N-CA	-20.44	1.21	1.46
1	2Q	180	VAL	N-CA	-20.44	1.21	1.46
1	2U	180	VAL	N-CA	-20.44	1.21	1.46
1	2Y	180	VAL	N-CA	-20.44	1.21	1.46
1	3Q	180	VAL	N-CA	-20.44	1.21	1.46
1	3U	180	VAL	N-CA	-20.44	1.21	1.46
1	3Y	180	VAL	N-CA	-20.44	1.21	1.46
1	42	180	VAL	N-CA	-20.44	1.21	1.46
1	46	180	VAL	N-CA	-20.44	1.21	1.46
1	5A	180	VAL	N-CA	-20.44	1.21	1.46
1	5E	180	VAL	N-CA	-20.44	1.21	1.46
1	5I	180	VAL	N-CA	-20.44	1.21	1.46
1	5M	180	VAL	N-CA	-20.44	1.21	1.46
1	52	180	VAL	N-CA	-20.44	1.21	1.46
1	56	180	VAL	N-CA	-20.44	1.21	1.46
1	6A	180	VAL	N-CA	-20.44	1.21	1.46
1	62	180	VAL	N-CA	-20.44	1.21	1.46
1	66	180	VAL	N-CA	-20.44	1.21	1.46
1	7A	180	VAL	N-CA	-20.44	1.21	1.46
1	12	84	ARG	CA-C	-20.43	1.25	1.52
1	16	84	ARG	CA-C	-20.43	1.25	1.52
1	2A	84	ARG	CA-C	-20.43	1.25	1.52
1	3Q	84	ARG	CA-C	-20.43	1.25	1.52
1	3U	84	ARG	CA-C	-20.43	1.25	1.52
1	3Y	84	ARG	CA-C	-20.43	1.25	1.52
1	5E	84	ARG	CA-C	-20.43	1.25	1.52
1	5I	84	ARG	CA-C	-20.43	1.25	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	84	ARG	CA-C	-20.43	1.25	1.52
1	62	84	ARG	CA-C	-20.43	1.25	1.52
1	66	84	ARG	CA-C	-20.43	1.25	1.52
1	7A	84	ARG	CA-C	-20.43	1.25	1.52
1	1Q	84	ARG	CA-C	-20.42	1.25	1.52
1	1U	84	ARG	CA-C	-20.42	1.25	1.52
1	1Y	84	ARG	CA-C	-20.42	1.25	1.52
1	2Q	84	ARG	CA-C	-20.42	1.25	1.52
1	2U	84	ARG	CA-C	-20.42	1.25	1.52
1	2Y	84	ARG	CA-C	-20.42	1.25	1.52
1	42	84	ARG	CA-C	-20.42	1.25	1.52
1	46	84	ARG	CA-C	-20.42	1.25	1.52
1	5A	84	ARG	CA-C	-20.42	1.25	1.52
1	52	84	ARG	CA-C	-20.42	1.25	1.52
1	56	84	ARG	CA-C	-20.42	1.25	1.52
1	6A	84	ARG	CA-C	-20.42	1.25	1.52
1	1E	77	ALA	CA-C	-20.34	1.27	1.53
1	2M	77	ALA	CA-C	-20.34	1.27	1.53
1	22	77	ALA	CA-C	-20.34	1.27	1.53
1	3M	77	ALA	CA-C	-20.34	1.27	1.53
1	36	77	ALA	CA-C	-20.34	1.27	1.53
1	4I	77	ALA	CA-C	-20.34	1.27	1.53
1	4Q	77	ALA	CA-C	-20.34	1.27	1.53
1	5Y	77	ALA	CA-C	-20.34	1.27	1.53
1	6E	77	ALA	CA-C	-20.34	1.27	1.53
1	6Y	77	ALA	CA-C	-20.34	1.27	1.53
1	7I	77	ALA	CA-C	-20.34	1.27	1.53
1	7U	77	ALA	CA-C	-20.34	1.27	1.53
1	12	77	ALA	CA-C	-20.31	1.27	1.53
1	16	77	ALA	CA-C	-20.31	1.27	1.53
1	2A	77	ALA	CA-C	-20.31	1.27	1.53
1	3Q	77	ALA	CA-C	-20.31	1.27	1.53
1	3U	77	ALA	CA-C	-20.31	1.27	1.53
1	3Y	77	ALA	CA-C	-20.31	1.27	1.53
1	5E	77	ALA	CA-C	-20.31	1.27	1.53
1	5I	77	ALA	CA-C	-20.31	1.27	1.53
1	5M	77	ALA	CA-C	-20.31	1.27	1.53
1	62	77	ALA	CA-C	-20.31	1.27	1.53
1	66	77	ALA	CA-C	-20.31	1.27	1.53
1	7A	77	ALA	CA-C	-20.31	1.27	1.53
1	1A	77	ALA	CA-C	-20.30	1.27	1.53
1	1I	77	ALA	CA-C	-20.30	1.27	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1M	77	ALA	CA-C	-20.30	1.27	1.53
1	2E	77	ALA	CA-C	-20.30	1.27	1.53
1	2I	77	ALA	CA-C	-20.30	1.27	1.53
1	26	77	ALA	CA-C	-20.30	1.27	1.53
1	3A	77	ALA	CA-C	-20.30	1.27	1.53
1	3E	77	ALA	CA-C	-20.30	1.27	1.53
1	3I	77	ALA	CA-C	-20.30	1.27	1.53
1	32	77	ALA	CA-C	-20.30	1.27	1.53
1	4A	77	ALA	CA-C	-20.30	1.27	1.53
1	4E	77	ALA	CA-C	-20.30	1.27	1.53
1	4M	77	ALA	CA-C	-20.30	1.27	1.53
1	4U	77	ALA	CA-C	-20.30	1.27	1.53
1	4Y	77	ALA	CA-C	-20.30	1.27	1.53
1	5Q	77	ALA	CA-C	-20.30	1.27	1.53
1	5U	77	ALA	CA-C	-20.30	1.27	1.53
1	6I	77	ALA	CA-C	-20.30	1.27	1.53
1	6M	77	ALA	CA-C	-20.30	1.27	1.53
1	6Q	77	ALA	CA-C	-20.30	1.27	1.53
1	6U	77	ALA	CA-C	-20.30	1.27	1.53
1	7E	77	ALA	CA-C	-20.30	1.27	1.53
1	7M	77	ALA	CA-C	-20.30	1.27	1.53
1	7Q	77	ALA	CA-C	-20.30	1.27	1.53
1	1Q	77	ALA	CA-C	-20.29	1.27	1.53
1	1U	77	ALA	CA-C	-20.29	1.27	1.53
1	1Y	77	ALA	CA-C	-20.29	1.27	1.53
1	2Q	77	ALA	CA-C	-20.29	1.27	1.53
1	2U	77	ALA	CA-C	-20.29	1.27	1.53
1	2Y	77	ALA	CA-C	-20.29	1.27	1.53
1	42	77	ALA	CA-C	-20.29	1.27	1.53
1	46	77	ALA	CA-C	-20.29	1.27	1.53
1	5A	77	ALA	CA-C	-20.29	1.27	1.53
1	52	77	ALA	CA-C	-20.29	1.27	1.53
1	56	77	ALA	CA-C	-20.29	1.27	1.53
1	6A	77	ALA	CA-C	-20.29	1.27	1.53
1	1A	144	VAL	CA-CB	-20.29	1.31	1.54
1	1I	144	VAL	CA-CB	-20.29	1.31	1.54
1	2E	144	VAL	CA-CB	-20.29	1.31	1.54
1	26	144	VAL	CA-CB	-20.29	1.31	1.54
1	3E	144	VAL	CA-CB	-20.29	1.31	1.54
1	4A	144	VAL	CA-CB	-20.29	1.31	1.54
1	4M	144	VAL	CA-CB	-20.29	1.31	1.54
1	4U	144	VAL	CA-CB	-20.29	1.31	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	144	VAL	CA-CB	-20.29	1.31	1.54
1	6I	144	VAL	CA-CB	-20.29	1.31	1.54
1	6Q	144	VAL	CA-CB	-20.29	1.31	1.54
1	7M	144	VAL	CA-CB	-20.29	1.31	1.54
1	1M	144	VAL	CA-CB	-20.26	1.31	1.54
1	2I	144	VAL	CA-CB	-20.26	1.31	1.54
1	3A	144	VAL	CA-CB	-20.26	1.31	1.54
1	3I	144	VAL	CA-CB	-20.26	1.31	1.54
1	32	144	VAL	CA-CB	-20.26	1.31	1.54
1	4E	144	VAL	CA-CB	-20.26	1.31	1.54
1	4Y	144	VAL	CA-CB	-20.26	1.31	1.54
1	5U	144	VAL	CA-CB	-20.26	1.31	1.54
1	6M	144	VAL	CA-CB	-20.26	1.31	1.54
1	6U	144	VAL	CA-CB	-20.26	1.31	1.54
1	7E	144	VAL	CA-CB	-20.26	1.31	1.54
1	7Q	144	VAL	CA-CB	-20.26	1.31	1.54
2	1B	218	ARG	CZ-NH1	-20.26	1.04	1.32
2	1J	218	ARG	CZ-NH1	-20.26	1.04	1.32
2	2F	218	ARG	CZ-NH1	-20.26	1.04	1.32
2	27	218	ARG	CZ-NH1	-20.26	1.04	1.32
2	3F	218	ARG	CZ-NH1	-20.26	1.04	1.32
2	4B	218	ARG	CZ-NH1	-20.26	1.04	1.32
2	4N	218	ARG	CZ-NH1	-20.26	1.04	1.32
2	4V	218	ARG	CZ-NH1	-20.26	1.04	1.32
2	5R	218	ARG	CZ-NH1	-20.26	1.04	1.32
2	6J	218	ARG	CZ-NH1	-20.26	1.04	1.32
2	6R	218	ARG	CZ-NH1	-20.26	1.04	1.32
2	7N	218	ARG	CZ-NH1	-20.26	1.04	1.32
2	13	218	ARG	CZ-NH1	-20.25	1.04	1.32
2	17	218	ARG	CZ-NH1	-20.25	1.04	1.32
2	2B	218	ARG	CZ-NH1	-20.25	1.04	1.32
2	3R	218	ARG	CZ-NH1	-20.25	1.04	1.32
2	3V	218	ARG	CZ-NH1	-20.25	1.04	1.32
2	3Z	218	ARG	CZ-NH1	-20.25	1.04	1.32
2	5F	218	ARG	CZ-NH1	-20.25	1.04	1.32
2	5J	218	ARG	CZ-NH1	-20.25	1.04	1.32
2	5N	218	ARG	CZ-NH1	-20.25	1.04	1.32
2	63	218	ARG	CZ-NH1	-20.25	1.04	1.32
2	67	218	ARG	CZ-NH1	-20.25	1.04	1.32
2	7B	218	ARG	CZ-NH1	-20.25	1.04	1.32
1	1E	144	VAL	CA-CB	-20.25	1.31	1.54
1	12	144	VAL	CA-CB	-20.25	1.31	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	16	144	VAL	CA-CB	-20.25	1.31	1.54
1	2A	144	VAL	CA-CB	-20.25	1.31	1.54
1	2M	144	VAL	CA-CB	-20.25	1.31	1.54
1	22	144	VAL	CA-CB	-20.25	1.31	1.54
1	3M	144	VAL	CA-CB	-20.25	1.31	1.54
1	3Q	144	VAL	CA-CB	-20.25	1.31	1.54
1	3U	144	VAL	CA-CB	-20.25	1.31	1.54
1	3Y	144	VAL	CA-CB	-20.25	1.31	1.54
1	36	144	VAL	CA-CB	-20.25	1.31	1.54
1	4I	144	VAL	CA-CB	-20.25	1.31	1.54
1	4Q	144	VAL	CA-CB	-20.25	1.31	1.54
1	5E	144	VAL	CA-CB	-20.25	1.31	1.54
1	5I	144	VAL	CA-CB	-20.25	1.31	1.54
1	5M	144	VAL	CA-CB	-20.25	1.31	1.54
1	5Y	144	VAL	CA-CB	-20.25	1.31	1.54
1	6E	144	VAL	CA-CB	-20.25	1.31	1.54
1	6Y	144	VAL	CA-CB	-20.25	1.31	1.54
1	62	144	VAL	CA-CB	-20.25	1.31	1.54
1	66	144	VAL	CA-CB	-20.25	1.31	1.54
1	7A	144	VAL	CA-CB	-20.25	1.31	1.54
1	7I	144	VAL	CA-CB	-20.25	1.31	1.54
1	7U	144	VAL	CA-CB	-20.25	1.31	1.54
1	1Q	144	VAL	CA-CB	-20.25	1.31	1.54
1	1U	144	VAL	CA-CB	-20.25	1.31	1.54
1	1Y	144	VAL	CA-CB	-20.25	1.31	1.54
1	2Q	144	VAL	CA-CB	-20.25	1.31	1.54
1	2U	144	VAL	CA-CB	-20.25	1.31	1.54
1	2Y	144	VAL	CA-CB	-20.25	1.31	1.54
1	42	144	VAL	CA-CB	-20.25	1.31	1.54
1	46	144	VAL	CA-CB	-20.25	1.31	1.54
1	5A	144	VAL	CA-CB	-20.25	1.31	1.54
1	52	144	VAL	CA-CB	-20.25	1.31	1.54
1	56	144	VAL	CA-CB	-20.25	1.31	1.54
1	6A	144	VAL	CA-CB	-20.25	1.31	1.54
2	1F	218	ARG	CZ-NH1	-20.24	1.04	1.32
2	2N	218	ARG	CZ-NH1	-20.24	1.04	1.32
2	23	218	ARG	CZ-NH1	-20.24	1.04	1.32
2	3N	218	ARG	CZ-NH1	-20.24	1.04	1.32
2	37	218	ARG	CZ-NH1	-20.24	1.04	1.32
2	4J	218	ARG	CZ-NH1	-20.24	1.04	1.32
2	4R	218	ARG	CZ-NH1	-20.24	1.04	1.32
2	5Z	218	ARG	CZ-NH1	-20.24	1.04	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	218	ARG	CZ-NH1	-20.24	1.04	1.32
2	6Z	218	ARG	CZ-NH1	-20.24	1.04	1.32
2	7J	218	ARG	CZ-NH1	-20.24	1.04	1.32
2	7V	218	ARG	CZ-NH1	-20.24	1.04	1.32
2	1N	218	ARG	CZ-NH1	-20.21	1.04	1.32
2	2J	218	ARG	CZ-NH1	-20.21	1.04	1.32
2	3B	218	ARG	CZ-NH1	-20.21	1.04	1.32
2	3J	218	ARG	CZ-NH1	-20.21	1.04	1.32
2	33	218	ARG	CZ-NH1	-20.21	1.04	1.32
2	4F	218	ARG	CZ-NH1	-20.21	1.04	1.32
2	4Z	218	ARG	CZ-NH1	-20.21	1.04	1.32
2	5V	218	ARG	CZ-NH1	-20.21	1.04	1.32
2	6N	218	ARG	CZ-NH1	-20.21	1.04	1.32
2	6V	218	ARG	CZ-NH1	-20.21	1.04	1.32
2	7F	218	ARG	CZ-NH1	-20.21	1.04	1.32
2	7R	218	ARG	CZ-NH1	-20.21	1.04	1.32
2	1R	217	PRO	CA-C	-20.21	1.17	1.52
2	1V	217	PRO	CA-C	-20.21	1.17	1.52
2	1Z	217	PRO	CA-C	-20.21	1.17	1.52
2	2R	217	PRO	CA-C	-20.21	1.17	1.52
2	2V	217	PRO	CA-C	-20.21	1.17	1.52
2	2Z	217	PRO	CA-C	-20.21	1.17	1.52
2	43	217	PRO	CA-C	-20.21	1.17	1.52
2	47	217	PRO	CA-C	-20.21	1.17	1.52
2	5B	217	PRO	CA-C	-20.21	1.17	1.52
2	53	217	PRO	CA-C	-20.21	1.17	1.52
2	57	217	PRO	CA-C	-20.21	1.17	1.52
2	6B	217	PRO	CA-C	-20.21	1.17	1.52
2	13	217	PRO	CA-C	-20.21	1.17	1.52
2	17	217	PRO	CA-C	-20.21	1.17	1.52
2	2B	217	PRO	CA-C	-20.21	1.17	1.52
2	3R	217	PRO	CA-C	-20.21	1.17	1.52
2	3V	217	PRO	CA-C	-20.21	1.17	1.52
2	3Z	217	PRO	CA-C	-20.21	1.17	1.52
2	5F	217	PRO	CA-C	-20.21	1.17	1.52
2	5J	217	PRO	CA-C	-20.21	1.17	1.52
2	5N	217	PRO	CA-C	-20.21	1.17	1.52
2	63	217	PRO	CA-C	-20.21	1.17	1.52
2	67	217	PRO	CA-C	-20.21	1.17	1.52
2	7B	217	PRO	CA-C	-20.21	1.17	1.52
2	1R	218	ARG	CZ-NH1	-20.20	1.04	1.32
2	1V	218	ARG	CZ-NH1	-20.20	1.04	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	218	ARG	CZ-NH1	-20.20	1.04	1.32
2	2R	218	ARG	CZ-NH1	-20.20	1.04	1.32
2	2V	218	ARG	CZ-NH1	-20.20	1.04	1.32
2	2Z	218	ARG	CZ-NH1	-20.20	1.04	1.32
2	43	218	ARG	CZ-NH1	-20.20	1.04	1.32
2	47	218	ARG	CZ-NH1	-20.20	1.04	1.32
2	5B	218	ARG	CZ-NH1	-20.20	1.04	1.32
2	53	218	ARG	CZ-NH1	-20.20	1.04	1.32
2	57	218	ARG	CZ-NH1	-20.20	1.04	1.32
2	6B	218	ARG	CZ-NH1	-20.20	1.04	1.32
1	1Q	15	SER	C-N	20.20	1.68	1.33
1	1U	15	SER	C-N	20.20	1.68	1.33
1	1Y	15	SER	C-N	20.20	1.68	1.33
1	2Q	15	SER	C-N	20.20	1.68	1.33
1	2U	15	SER	C-N	20.20	1.68	1.33
1	2Y	15	SER	C-N	20.20	1.68	1.33
1	42	15	SER	C-N	20.20	1.68	1.33
1	46	15	SER	C-N	20.20	1.68	1.33
1	5A	15	SER	C-N	20.20	1.68	1.33
1	52	15	SER	C-N	20.20	1.68	1.33
1	56	15	SER	C-N	20.20	1.68	1.33
1	6A	15	SER	C-N	20.20	1.68	1.33
1	1A	15	SER	C-N	20.20	1.68	1.33
1	1I	15	SER	C-N	20.20	1.68	1.33
1	2E	15	SER	C-N	20.20	1.68	1.33
1	26	15	SER	C-N	20.20	1.68	1.33
1	3E	15	SER	C-N	20.20	1.68	1.33
1	4A	15	SER	C-N	20.20	1.68	1.33
1	4M	15	SER	C-N	20.20	1.68	1.33
1	4U	15	SER	C-N	20.20	1.68	1.33
1	5Q	15	SER	C-N	20.20	1.68	1.33
1	6I	15	SER	C-N	20.20	1.68	1.33
1	6Q	15	SER	C-N	20.20	1.68	1.33
1	7M	15	SER	C-N	20.20	1.68	1.33
2	1B	217	PRO	CA-C	-20.18	1.17	1.52
2	1J	217	PRO	CA-C	-20.18	1.17	1.52
2	2F	217	PRO	CA-C	-20.18	1.17	1.52
2	27	217	PRO	CA-C	-20.18	1.17	1.52
2	3F	217	PRO	CA-C	-20.18	1.17	1.52
2	4B	217	PRO	CA-C	-20.18	1.17	1.52
2	4N	217	PRO	CA-C	-20.18	1.17	1.52
2	4V	217	PRO	CA-C	-20.18	1.17	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	217	PRO	CA-C	-20.18	1.17	1.52
2	6J	217	PRO	CA-C	-20.18	1.17	1.52
2	6R	217	PRO	CA-C	-20.18	1.17	1.52
2	7N	217	PRO	CA-C	-20.18	1.17	1.52
2	1N	217	PRO	CA-C	-20.18	1.17	1.52
2	2J	217	PRO	CA-C	-20.18	1.17	1.52
2	3B	217	PRO	CA-C	-20.18	1.17	1.52
2	3J	217	PRO	CA-C	-20.18	1.17	1.52
2	33	217	PRO	CA-C	-20.18	1.17	1.52
2	4F	217	PRO	CA-C	-20.18	1.17	1.52
2	4Z	217	PRO	CA-C	-20.18	1.17	1.52
2	5V	217	PRO	CA-C	-20.18	1.17	1.52
2	6N	217	PRO	CA-C	-20.18	1.17	1.52
2	6V	217	PRO	CA-C	-20.18	1.17	1.52
2	7F	217	PRO	CA-C	-20.18	1.17	1.52
2	7R	217	PRO	CA-C	-20.18	1.17	1.52
2	1F	217	PRO	CA-C	-20.17	1.17	1.52
2	2N	217	PRO	CA-C	-20.17	1.17	1.52
2	23	217	PRO	CA-C	-20.17	1.17	1.52
2	3N	217	PRO	CA-C	-20.17	1.17	1.52
2	37	217	PRO	CA-C	-20.17	1.17	1.52
2	4J	217	PRO	CA-C	-20.17	1.17	1.52
2	4R	217	PRO	CA-C	-20.17	1.17	1.52
2	5Z	217	PRO	CA-C	-20.17	1.17	1.52
2	6F	217	PRO	CA-C	-20.17	1.17	1.52
2	6Z	217	PRO	CA-C	-20.17	1.17	1.52
2	7J	217	PRO	CA-C	-20.17	1.17	1.52
2	7V	217	PRO	CA-C	-20.17	1.17	1.52
1	1E	15	SER	C-N	20.17	1.68	1.33
1	2M	15	SER	C-N	20.17	1.68	1.33
1	22	15	SER	C-N	20.17	1.68	1.33
1	3M	15	SER	C-N	20.17	1.68	1.33
1	36	15	SER	C-N	20.17	1.68	1.33
1	4I	15	SER	C-N	20.17	1.68	1.33
1	4Q	15	SER	C-N	20.17	1.68	1.33
1	5Y	15	SER	C-N	20.17	1.68	1.33
1	6E	15	SER	C-N	20.17	1.68	1.33
1	6Y	15	SER	C-N	20.17	1.68	1.33
1	7I	15	SER	C-N	20.17	1.68	1.33
1	7U	15	SER	C-N	20.17	1.68	1.33
1	1E	81	ASN	C-N	20.16	1.58	1.34
1	2M	81	ASN	C-N	20.16	1.58	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	81	ASN	C-N	20.16	1.58	1.34
1	3M	81	ASN	C-N	20.16	1.58	1.34
1	36	81	ASN	C-N	20.16	1.58	1.34
1	4I	81	ASN	C-N	20.16	1.58	1.34
1	4Q	81	ASN	C-N	20.16	1.58	1.34
1	5Y	81	ASN	C-N	20.16	1.58	1.34
1	6E	81	ASN	C-N	20.16	1.58	1.34
1	6Y	81	ASN	C-N	20.16	1.58	1.34
1	7I	81	ASN	C-N	20.16	1.58	1.34
1	7U	81	ASN	C-N	20.16	1.58	1.34
1	1Q	81	ASN	C-N	20.16	1.58	1.34
1	1U	81	ASN	C-N	20.16	1.58	1.34
1	1Y	81	ASN	C-N	20.16	1.58	1.34
1	2Q	81	ASN	C-N	20.16	1.58	1.34
1	2U	81	ASN	C-N	20.16	1.58	1.34
1	2Y	81	ASN	C-N	20.16	1.58	1.34
1	42	81	ASN	C-N	20.16	1.58	1.34
1	46	81	ASN	C-N	20.16	1.58	1.34
1	5A	81	ASN	C-N	20.16	1.58	1.34
1	52	81	ASN	C-N	20.16	1.58	1.34
1	56	81	ASN	C-N	20.16	1.58	1.34
1	6A	81	ASN	C-N	20.16	1.58	1.34
1	1M	15	SER	C-N	20.15	1.68	1.33
1	2I	15	SER	C-N	20.15	1.68	1.33
1	3A	15	SER	C-N	20.15	1.68	1.33
1	3I	15	SER	C-N	20.15	1.68	1.33
1	32	15	SER	C-N	20.15	1.68	1.33
1	4E	15	SER	C-N	20.15	1.68	1.33
1	4Y	15	SER	C-N	20.15	1.68	1.33
1	5U	15	SER	C-N	20.15	1.68	1.33
1	6M	15	SER	C-N	20.15	1.68	1.33
1	6U	15	SER	C-N	20.15	1.68	1.33
1	7E	15	SER	C-N	20.15	1.68	1.33
1	7Q	15	SER	C-N	20.15	1.68	1.33
1	1A	81	ASN	C-N	20.15	1.58	1.34
1	1I	81	ASN	C-N	20.15	1.58	1.34
1	2E	81	ASN	C-N	20.15	1.58	1.34
1	26	81	ASN	C-N	20.15	1.58	1.34
1	3E	81	ASN	C-N	20.15	1.58	1.34
1	4A	81	ASN	C-N	20.15	1.58	1.34
1	4M	81	ASN	C-N	20.15	1.58	1.34
1	4U	81	ASN	C-N	20.15	1.58	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	81	ASN	C-N	20.15	1.58	1.34
1	6I	81	ASN	C-N	20.15	1.58	1.34
1	6Q	81	ASN	C-N	20.15	1.58	1.34
1	7M	81	ASN	C-N	20.15	1.58	1.34
1	12	15	SER	C-N	20.14	1.68	1.33
1	16	15	SER	C-N	20.14	1.68	1.33
1	2A	15	SER	C-N	20.14	1.68	1.33
1	3Q	15	SER	C-N	20.14	1.68	1.33
1	3U	15	SER	C-N	20.14	1.68	1.33
1	3Y	15	SER	C-N	20.14	1.68	1.33
1	5E	15	SER	C-N	20.14	1.68	1.33
1	5I	15	SER	C-N	20.14	1.68	1.33
1	5M	15	SER	C-N	20.14	1.68	1.33
1	62	15	SER	C-N	20.14	1.68	1.33
1	66	15	SER	C-N	20.14	1.68	1.33
1	7A	15	SER	C-N	20.14	1.68	1.33
1	12	81	ASN	C-N	20.11	1.58	1.34
1	16	81	ASN	C-N	20.11	1.58	1.34
1	2A	81	ASN	C-N	20.11	1.58	1.34
1	3Q	81	ASN	C-N	20.11	1.58	1.34
1	3U	81	ASN	C-N	20.11	1.58	1.34
1	3Y	81	ASN	C-N	20.11	1.58	1.34
1	5E	81	ASN	C-N	20.11	1.58	1.34
1	5I	81	ASN	C-N	20.11	1.58	1.34
1	5M	81	ASN	C-N	20.11	1.58	1.34
1	62	81	ASN	C-N	20.11	1.58	1.34
1	66	81	ASN	C-N	20.11	1.58	1.34
1	7A	81	ASN	C-N	20.11	1.58	1.34
1	12	154	SER	CA-C	20.11	1.80	1.52
1	16	154	SER	CA-C	20.11	1.80	1.52
1	2A	154	SER	CA-C	20.11	1.80	1.52
1	3Q	154	SER	CA-C	20.11	1.80	1.52
1	3U	154	SER	CA-C	20.11	1.80	1.52
1	3Y	154	SER	CA-C	20.11	1.80	1.52
1	5E	154	SER	CA-C	20.11	1.80	1.52
1	5I	154	SER	CA-C	20.11	1.80	1.52
1	5M	154	SER	CA-C	20.11	1.80	1.52
1	62	154	SER	CA-C	20.11	1.80	1.52
1	66	154	SER	CA-C	20.11	1.80	1.52
1	7A	154	SER	CA-C	20.11	1.80	1.52
1	1M	81	ASN	C-N	20.11	1.58	1.34
1	2I	81	ASN	C-N	20.11	1.58	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	81	ASN	C-N	20.11	1.58	1.34
1	3I	81	ASN	C-N	20.11	1.58	1.34
1	32	81	ASN	C-N	20.11	1.58	1.34
1	4E	81	ASN	C-N	20.11	1.58	1.34
1	4Y	81	ASN	C-N	20.11	1.58	1.34
1	5U	81	ASN	C-N	20.11	1.58	1.34
1	6M	81	ASN	C-N	20.11	1.58	1.34
1	6U	81	ASN	C-N	20.11	1.58	1.34
1	7E	81	ASN	C-N	20.11	1.58	1.34
1	7Q	81	ASN	C-N	20.11	1.58	1.34
1	1Q	154	SER	CA-C	20.11	1.80	1.52
1	1U	154	SER	CA-C	20.11	1.80	1.52
1	1Y	154	SER	CA-C	20.11	1.80	1.52
1	2Q	154	SER	CA-C	20.11	1.80	1.52
1	2U	154	SER	CA-C	20.11	1.80	1.52
1	2Y	154	SER	CA-C	20.11	1.80	1.52
1	42	154	SER	CA-C	20.11	1.80	1.52
1	46	154	SER	CA-C	20.11	1.80	1.52
1	5A	154	SER	CA-C	20.11	1.80	1.52
1	52	154	SER	CA-C	20.11	1.80	1.52
1	56	154	SER	CA-C	20.11	1.80	1.52
1	6A	154	SER	CA-C	20.11	1.80	1.52
1	12	41	ILE	C-N	-20.10	1.06	1.33
1	16	41	ILE	C-N	-20.10	1.06	1.33
1	2A	41	ILE	C-N	-20.10	1.06	1.33
1	3Q	41	ILE	C-N	-20.10	1.06	1.33
1	3U	41	ILE	C-N	-20.10	1.06	1.33
1	3Y	41	ILE	C-N	-20.10	1.06	1.33
1	5E	41	ILE	C-N	-20.10	1.06	1.33
1	5I	41	ILE	C-N	-20.10	1.06	1.33
1	5M	41	ILE	C-N	-20.10	1.06	1.33
1	62	41	ILE	C-N	-20.10	1.06	1.33
1	66	41	ILE	C-N	-20.10	1.06	1.33
1	7A	41	ILE	C-N	-20.10	1.06	1.33
1	1A	154	SER	CA-C	20.10	1.80	1.52
1	1E	154	SER	CA-C	20.10	1.80	1.52
1	1I	154	SER	CA-C	20.10	1.80	1.52
1	2E	154	SER	CA-C	20.10	1.80	1.52
1	2M	154	SER	CA-C	20.10	1.80	1.52
1	22	154	SER	CA-C	20.10	1.80	1.52
1	26	154	SER	CA-C	20.10	1.80	1.52
1	3E	154	SER	CA-C	20.10	1.80	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3M	154	SER	CA-C	20.10	1.80	1.52
1	36	154	SER	CA-C	20.10	1.80	1.52
1	4A	154	SER	CA-C	20.10	1.80	1.52
1	4I	154	SER	CA-C	20.10	1.80	1.52
1	4M	154	SER	CA-C	20.10	1.80	1.52
1	4Q	154	SER	CA-C	20.10	1.80	1.52
1	4U	154	SER	CA-C	20.10	1.80	1.52
1	5Q	154	SER	CA-C	20.10	1.80	1.52
1	5Y	154	SER	CA-C	20.10	1.80	1.52
1	6E	154	SER	CA-C	20.10	1.80	1.52
1	6I	154	SER	CA-C	20.10	1.80	1.52
1	6Q	154	SER	CA-C	20.10	1.80	1.52
1	6Y	154	SER	CA-C	20.10	1.80	1.52
1	7I	154	SER	CA-C	20.10	1.80	1.52
1	7M	154	SER	CA-C	20.10	1.80	1.52
1	7U	154	SER	CA-C	20.10	1.80	1.52
1	1M	97	SER	CB-OG	20.08	1.82	1.42
1	2I	97	SER	CB-OG	20.08	1.82	1.42
1	3A	97	SER	CB-OG	20.08	1.82	1.42
1	3I	97	SER	CB-OG	20.08	1.82	1.42
1	32	97	SER	CB-OG	20.08	1.82	1.42
1	4E	97	SER	CB-OG	20.08	1.82	1.42
1	4Y	97	SER	CB-OG	20.08	1.82	1.42
1	5U	97	SER	CB-OG	20.08	1.82	1.42
1	6M	97	SER	CB-OG	20.08	1.82	1.42
1	6U	97	SER	CB-OG	20.08	1.82	1.42
1	7E	97	SER	CB-OG	20.08	1.82	1.42
1	7Q	97	SER	CB-OG	20.08	1.82	1.42
1	1M	154	SER	CA-C	20.07	1.80	1.52
1	2I	154	SER	CA-C	20.07	1.80	1.52
1	3A	154	SER	CA-C	20.07	1.80	1.52
1	3I	154	SER	CA-C	20.07	1.80	1.52
1	32	154	SER	CA-C	20.07	1.80	1.52
1	4E	154	SER	CA-C	20.07	1.80	1.52
1	4Y	154	SER	CA-C	20.07	1.80	1.52
1	5U	154	SER	CA-C	20.07	1.80	1.52
1	6M	154	SER	CA-C	20.07	1.80	1.52
1	6U	154	SER	CA-C	20.07	1.80	1.52
1	7E	154	SER	CA-C	20.07	1.80	1.52
1	7Q	154	SER	CA-C	20.07	1.80	1.52
1	1M	28	GLY	N-CA	20.07	1.71	1.45
1	2I	28	GLY	N-CA	20.07	1.71	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	28	GLY	N-CA	20.07	1.71	1.45
1	3I	28	GLY	N-CA	20.07	1.71	1.45
1	32	28	GLY	N-CA	20.07	1.71	1.45
1	4E	28	GLY	N-CA	20.07	1.71	1.45
1	4Y	28	GLY	N-CA	20.07	1.71	1.45
1	5U	28	GLY	N-CA	20.07	1.71	1.45
1	6M	28	GLY	N-CA	20.07	1.71	1.45
1	6U	28	GLY	N-CA	20.07	1.71	1.45
1	7E	28	GLY	N-CA	20.07	1.71	1.45
1	7Q	28	GLY	N-CA	20.07	1.71	1.45
1	1A	28	GLY	N-CA	20.07	1.71	1.45
1	1I	28	GLY	N-CA	20.07	1.71	1.45
2	1N	71	ALA	CA-CB	20.07	1.87	1.53
1	2E	28	GLY	N-CA	20.07	1.71	1.45
2	2J	71	ALA	CA-CB	20.07	1.87	1.53
1	26	28	GLY	N-CA	20.07	1.71	1.45
2	3B	71	ALA	CA-CB	20.07	1.87	1.53
1	3E	28	GLY	N-CA	20.07	1.71	1.45
2	3J	71	ALA	CA-CB	20.07	1.87	1.53
2	33	71	ALA	CA-CB	20.07	1.87	1.53
1	4A	28	GLY	N-CA	20.07	1.71	1.45
2	4F	71	ALA	CA-CB	20.07	1.87	1.53
1	4M	28	GLY	N-CA	20.07	1.71	1.45
1	4U	28	GLY	N-CA	20.07	1.71	1.45
2	4Z	71	ALA	CA-CB	20.07	1.87	1.53
1	5Q	28	GLY	N-CA	20.07	1.71	1.45
2	5V	71	ALA	CA-CB	20.07	1.87	1.53
1	6I	28	GLY	N-CA	20.07	1.71	1.45
2	6N	71	ALA	CA-CB	20.07	1.87	1.53
1	6Q	28	GLY	N-CA	20.07	1.71	1.45
2	6V	71	ALA	CA-CB	20.07	1.87	1.53
2	7F	71	ALA	CA-CB	20.07	1.87	1.53
1	7M	28	GLY	N-CA	20.07	1.71	1.45
2	7R	71	ALA	CA-CB	20.07	1.87	1.53
2	1R	71	ALA	CA-CB	20.06	1.87	1.53
2	1V	71	ALA	CA-CB	20.06	1.87	1.53
2	1Z	71	ALA	CA-CB	20.06	1.87	1.53
2	13	71	ALA	CA-CB	20.06	1.87	1.53
2	17	71	ALA	CA-CB	20.06	1.87	1.53
2	2B	71	ALA	CA-CB	20.06	1.87	1.53
2	2R	71	ALA	CA-CB	20.06	1.87	1.53
2	2V	71	ALA	CA-CB	20.06	1.87	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2Z	71	ALA	CA-CB	20.06	1.87	1.53
2	3R	71	ALA	CA-CB	20.06	1.87	1.53
2	3V	71	ALA	CA-CB	20.06	1.87	1.53
2	3Z	71	ALA	CA-CB	20.06	1.87	1.53
2	43	71	ALA	CA-CB	20.06	1.87	1.53
2	47	71	ALA	CA-CB	20.06	1.87	1.53
2	5B	71	ALA	CA-CB	20.06	1.87	1.53
2	5F	71	ALA	CA-CB	20.06	1.87	1.53
2	5J	71	ALA	CA-CB	20.06	1.87	1.53
2	5N	71	ALA	CA-CB	20.06	1.87	1.53
2	53	71	ALA	CA-CB	20.06	1.87	1.53
2	57	71	ALA	CA-CB	20.06	1.87	1.53
2	6B	71	ALA	CA-CB	20.06	1.87	1.53
2	63	71	ALA	CA-CB	20.06	1.87	1.53
2	67	71	ALA	CA-CB	20.06	1.87	1.53
2	7B	71	ALA	CA-CB	20.06	1.87	1.53
1	1Q	97	SER	CB-OG	20.06	1.82	1.42
1	1U	97	SER	CB-OG	20.06	1.82	1.42
1	1Y	97	SER	CB-OG	20.06	1.82	1.42
1	2Q	97	SER	CB-OG	20.06	1.82	1.42
1	2U	97	SER	CB-OG	20.06	1.82	1.42
1	2Y	97	SER	CB-OG	20.06	1.82	1.42
1	42	97	SER	CB-OG	20.06	1.82	1.42
1	46	97	SER	CB-OG	20.06	1.82	1.42
1	5A	97	SER	CB-OG	20.06	1.82	1.42
1	52	97	SER	CB-OG	20.06	1.82	1.42
1	56	97	SER	CB-OG	20.06	1.82	1.42
1	6A	97	SER	CB-OG	20.06	1.82	1.42
1	1A	97	SER	CB-OG	20.06	1.82	1.42
2	1B	71	ALA	CA-CB	20.06	1.87	1.53
1	1I	97	SER	CB-OG	20.06	1.82	1.42
2	1J	71	ALA	CA-CB	20.06	1.87	1.53
1	2E	97	SER	CB-OG	20.06	1.82	1.42
2	2F	71	ALA	CA-CB	20.06	1.87	1.53
1	26	97	SER	CB-OG	20.06	1.82	1.42
2	27	71	ALA	CA-CB	20.06	1.87	1.53
1	3E	97	SER	CB-OG	20.06	1.82	1.42
2	3F	71	ALA	CA-CB	20.06	1.87	1.53
1	4A	97	SER	CB-OG	20.06	1.82	1.42
2	4B	71	ALA	CA-CB	20.06	1.87	1.53
1	4M	97	SER	CB-OG	20.06	1.82	1.42
2	4N	71	ALA	CA-CB	20.06	1.87	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4U	97	SER	CB-OG	20.06	1.82	1.42
2	4V	71	ALA	CA-CB	20.06	1.87	1.53
1	5Q	97	SER	CB-OG	20.06	1.82	1.42
2	5R	71	ALA	CA-CB	20.06	1.87	1.53
1	6I	97	SER	CB-OG	20.06	1.82	1.42
2	6J	71	ALA	CA-CB	20.06	1.87	1.53
1	6Q	97	SER	CB-OG	20.06	1.82	1.42
2	6R	71	ALA	CA-CB	20.06	1.87	1.53
1	7M	97	SER	CB-OG	20.06	1.82	1.42
2	7N	71	ALA	CA-CB	20.06	1.87	1.53
1	1A	41	ILE	C-N	-20.06	1.06	1.33
1	1I	41	ILE	C-N	-20.06	1.06	1.33
1	12	97	SER	CB-OG	20.06	1.82	1.42
1	16	97	SER	CB-OG	20.06	1.82	1.42
1	2A	97	SER	CB-OG	20.06	1.82	1.42
1	2E	41	ILE	C-N	-20.06	1.06	1.33
1	26	41	ILE	C-N	-20.06	1.06	1.33
1	3E	41	ILE	C-N	-20.06	1.06	1.33
1	3Q	97	SER	CB-OG	20.06	1.82	1.42
1	3U	97	SER	CB-OG	20.06	1.82	1.42
1	3Y	97	SER	CB-OG	20.06	1.82	1.42
1	4A	41	ILE	C-N	-20.06	1.06	1.33
1	4M	41	ILE	C-N	-20.06	1.06	1.33
1	4U	41	ILE	C-N	-20.06	1.06	1.33
1	5E	97	SER	CB-OG	20.06	1.82	1.42
1	5I	97	SER	CB-OG	20.06	1.82	1.42
1	5M	97	SER	CB-OG	20.06	1.82	1.42
1	5Q	41	ILE	C-N	-20.06	1.06	1.33
1	6I	41	ILE	C-N	-20.06	1.06	1.33
1	6Q	41	ILE	C-N	-20.06	1.06	1.33
1	62	97	SER	CB-OG	20.06	1.82	1.42
1	66	97	SER	CB-OG	20.06	1.82	1.42
1	7A	97	SER	CB-OG	20.06	1.82	1.42
1	7M	41	ILE	C-N	-20.06	1.06	1.33
1	1M	41	ILE	C-N	-20.05	1.06	1.33
1	2I	41	ILE	C-N	-20.05	1.06	1.33
1	3A	41	ILE	C-N	-20.05	1.06	1.33
1	3I	41	ILE	C-N	-20.05	1.06	1.33
1	32	41	ILE	C-N	-20.05	1.06	1.33
1	4E	41	ILE	C-N	-20.05	1.06	1.33
1	4Y	41	ILE	C-N	-20.05	1.06	1.33
1	5U	41	ILE	C-N	-20.05	1.06	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	41	ILE	C-N	-20.05	1.06	1.33
1	6U	41	ILE	C-N	-20.05	1.06	1.33
1	7E	41	ILE	C-N	-20.05	1.06	1.33
1	7Q	41	ILE	C-N	-20.05	1.06	1.33
1	12	28	GLY	N-CA	20.05	1.71	1.45
1	16	28	GLY	N-CA	20.05	1.71	1.45
1	2A	28	GLY	N-CA	20.05	1.71	1.45
1	3Q	28	GLY	N-CA	20.05	1.71	1.45
1	3U	28	GLY	N-CA	20.05	1.71	1.45
1	3Y	28	GLY	N-CA	20.05	1.71	1.45
1	5E	28	GLY	N-CA	20.05	1.71	1.45
1	5I	28	GLY	N-CA	20.05	1.71	1.45
1	5M	28	GLY	N-CA	20.05	1.71	1.45
1	62	28	GLY	N-CA	20.05	1.71	1.45
1	66	28	GLY	N-CA	20.05	1.71	1.45
1	7A	28	GLY	N-CA	20.05	1.71	1.45
2	1F	71	ALA	CA-CB	20.04	1.87	1.53
1	1Q	41	ILE	C-N	-20.04	1.06	1.33
1	1U	41	ILE	C-N	-20.04	1.06	1.33
1	1Y	41	ILE	C-N	-20.04	1.06	1.33
2	2N	71	ALA	CA-CB	20.04	1.87	1.53
1	2Q	41	ILE	C-N	-20.04	1.06	1.33
1	2U	41	ILE	C-N	-20.04	1.06	1.33
1	2Y	41	ILE	C-N	-20.04	1.06	1.33
2	23	71	ALA	CA-CB	20.04	1.87	1.53
2	3N	71	ALA	CA-CB	20.04	1.87	1.53
2	37	71	ALA	CA-CB	20.04	1.87	1.53
2	4J	71	ALA	CA-CB	20.04	1.87	1.53
2	4R	71	ALA	CA-CB	20.04	1.87	1.53
1	42	41	ILE	C-N	-20.04	1.06	1.33
1	46	41	ILE	C-N	-20.04	1.06	1.33
1	5A	41	ILE	C-N	-20.04	1.06	1.33
2	5Z	71	ALA	CA-CB	20.04	1.87	1.53
1	52	41	ILE	C-N	-20.04	1.06	1.33
1	56	41	ILE	C-N	-20.04	1.06	1.33
1	6A	41	ILE	C-N	-20.04	1.06	1.33
2	6F	71	ALA	CA-CB	20.04	1.87	1.53
2	6Z	71	ALA	CA-CB	20.04	1.87	1.53
2	7J	71	ALA	CA-CB	20.04	1.87	1.53
2	7V	71	ALA	CA-CB	20.04	1.87	1.53
1	1Q	28	GLY	N-CA	20.03	1.71	1.45
1	1U	28	GLY	N-CA	20.03	1.71	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	28	GLY	N-CA	20.03	1.71	1.45
1	2Q	28	GLY	N-CA	20.03	1.71	1.45
1	2U	28	GLY	N-CA	20.03	1.71	1.45
1	2Y	28	GLY	N-CA	20.03	1.71	1.45
1	42	28	GLY	N-CA	20.03	1.71	1.45
1	46	28	GLY	N-CA	20.03	1.71	1.45
1	5A	28	GLY	N-CA	20.03	1.71	1.45
1	52	28	GLY	N-CA	20.03	1.71	1.45
1	56	28	GLY	N-CA	20.03	1.71	1.45
1	6A	28	GLY	N-CA	20.03	1.71	1.45
1	1E	28	GLY	N-CA	20.03	1.71	1.45
1	2M	28	GLY	N-CA	20.03	1.71	1.45
1	22	28	GLY	N-CA	20.03	1.71	1.45
1	3M	28	GLY	N-CA	20.03	1.71	1.45
1	36	28	GLY	N-CA	20.03	1.71	1.45
1	4I	28	GLY	N-CA	20.03	1.71	1.45
1	4Q	28	GLY	N-CA	20.03	1.71	1.45
1	5Y	28	GLY	N-CA	20.03	1.71	1.45
1	6E	28	GLY	N-CA	20.03	1.71	1.45
1	6Y	28	GLY	N-CA	20.03	1.71	1.45
1	7I	28	GLY	N-CA	20.03	1.71	1.45
1	7U	28	GLY	N-CA	20.03	1.71	1.45
1	1E	97	SER	CB-OG	20.02	1.82	1.42
1	2M	97	SER	CB-OG	20.02	1.82	1.42
1	22	97	SER	CB-OG	20.02	1.82	1.42
1	3M	97	SER	CB-OG	20.02	1.82	1.42
1	36	97	SER	CB-OG	20.02	1.82	1.42
1	4I	97	SER	CB-OG	20.02	1.82	1.42
1	4Q	97	SER	CB-OG	20.02	1.82	1.42
1	5Y	97	SER	CB-OG	20.02	1.82	1.42
1	6E	97	SER	CB-OG	20.02	1.82	1.42
1	6Y	97	SER	CB-OG	20.02	1.82	1.42
1	7I	97	SER	CB-OG	20.02	1.82	1.42
1	7U	97	SER	CB-OG	20.02	1.82	1.42
1	1E	41	ILE	C-N	-20.02	1.06	1.33
1	2M	41	ILE	C-N	-20.02	1.06	1.33
1	22	41	ILE	C-N	-20.02	1.06	1.33
1	3M	41	ILE	C-N	-20.02	1.06	1.33
1	36	41	ILE	C-N	-20.02	1.06	1.33
1	4I	41	ILE	C-N	-20.02	1.06	1.33
1	4Q	41	ILE	C-N	-20.02	1.06	1.33
1	5Y	41	ILE	C-N	-20.02	1.06	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	41	ILE	C-N	-20.02	1.06	1.33
1	6Y	41	ILE	C-N	-20.02	1.06	1.33
1	7I	41	ILE	C-N	-20.02	1.06	1.33
1	7U	41	ILE	C-N	-20.02	1.06	1.33
2	1F	21	THR	CB-OG1	-19.99	1.11	1.43
2	2N	21	THR	CB-OG1	-19.99	1.11	1.43
2	23	21	THR	CB-OG1	-19.99	1.11	1.43
2	3N	21	THR	CB-OG1	-19.99	1.11	1.43
2	37	21	THR	CB-OG1	-19.99	1.11	1.43
2	4J	21	THR	CB-OG1	-19.99	1.11	1.43
2	4R	21	THR	CB-OG1	-19.99	1.11	1.43
2	5Z	21	THR	CB-OG1	-19.99	1.11	1.43
2	6F	21	THR	CB-OG1	-19.99	1.11	1.43
2	6Z	21	THR	CB-OG1	-19.99	1.11	1.43
2	7J	21	THR	CB-OG1	-19.99	1.11	1.43
2	7V	21	THR	CB-OG1	-19.99	1.11	1.43
2	1B	21	THR	CB-OG1	-19.98	1.11	1.43
2	1J	21	THR	CB-OG1	-19.98	1.11	1.43
2	2F	21	THR	CB-OG1	-19.98	1.11	1.43
2	27	21	THR	CB-OG1	-19.98	1.11	1.43
2	3F	21	THR	CB-OG1	-19.98	1.11	1.43
2	4B	21	THR	CB-OG1	-19.98	1.11	1.43
2	4N	21	THR	CB-OG1	-19.98	1.11	1.43
2	4V	21	THR	CB-OG1	-19.98	1.11	1.43
2	5R	21	THR	CB-OG1	-19.98	1.11	1.43
2	6J	21	THR	CB-OG1	-19.98	1.11	1.43
2	6R	21	THR	CB-OG1	-19.98	1.11	1.43
2	7N	21	THR	CB-OG1	-19.98	1.11	1.43
1	1E	24	VAL	CA-C	-19.96	1.27	1.52
1	12	24	VAL	CA-C	-19.96	1.27	1.52
1	16	24	VAL	CA-C	-19.96	1.27	1.52
1	2A	24	VAL	CA-C	-19.96	1.27	1.52
1	2M	24	VAL	CA-C	-19.96	1.27	1.52
1	22	24	VAL	CA-C	-19.96	1.27	1.52
1	3M	24	VAL	CA-C	-19.96	1.27	1.52
1	3Q	24	VAL	CA-C	-19.96	1.27	1.52
1	3U	24	VAL	CA-C	-19.96	1.27	1.52
1	3Y	24	VAL	CA-C	-19.96	1.27	1.52
1	36	24	VAL	CA-C	-19.96	1.27	1.52
1	4I	24	VAL	CA-C	-19.96	1.27	1.52
1	4Q	24	VAL	CA-C	-19.96	1.27	1.52
1	5E	24	VAL	CA-C	-19.96	1.27	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5I	24	VAL	CA-C	-19.96	1.27	1.52
1	5M	24	VAL	CA-C	-19.96	1.27	1.52
1	5Y	24	VAL	CA-C	-19.96	1.27	1.52
1	6E	24	VAL	CA-C	-19.96	1.27	1.52
1	6Y	24	VAL	CA-C	-19.96	1.27	1.52
1	62	24	VAL	CA-C	-19.96	1.27	1.52
1	66	24	VAL	CA-C	-19.96	1.27	1.52
1	7A	24	VAL	CA-C	-19.96	1.27	1.52
1	7I	24	VAL	CA-C	-19.96	1.27	1.52
1	7U	24	VAL	CA-C	-19.96	1.27	1.52
1	1M	169	ASP	C-O	19.96	1.48	1.24
1	2I	169	ASP	C-O	19.96	1.48	1.24
1	3A	169	ASP	C-O	19.96	1.48	1.24
1	3I	169	ASP	C-O	19.96	1.48	1.24
1	32	169	ASP	C-O	19.96	1.48	1.24
1	4E	169	ASP	C-O	19.96	1.48	1.24
1	4Y	169	ASP	C-O	19.96	1.48	1.24
1	5U	169	ASP	C-O	19.96	1.48	1.24
1	6M	169	ASP	C-O	19.96	1.48	1.24
1	6U	169	ASP	C-O	19.96	1.48	1.24
1	7E	169	ASP	C-O	19.96	1.48	1.24
1	7Q	169	ASP	C-O	19.96	1.48	1.24
2	1N	21	THR	CB-OG1	-19.96	1.11	1.43
2	2J	21	THR	CB-OG1	-19.96	1.11	1.43
2	3B	21	THR	CB-OG1	-19.96	1.11	1.43
2	3J	21	THR	CB-OG1	-19.96	1.11	1.43
2	33	21	THR	CB-OG1	-19.96	1.11	1.43
2	4F	21	THR	CB-OG1	-19.96	1.11	1.43
2	4Z	21	THR	CB-OG1	-19.96	1.11	1.43
2	5V	21	THR	CB-OG1	-19.96	1.11	1.43
2	6N	21	THR	CB-OG1	-19.96	1.11	1.43
2	6V	21	THR	CB-OG1	-19.96	1.11	1.43
2	7F	21	THR	CB-OG1	-19.96	1.11	1.43
2	7R	21	THR	CB-OG1	-19.96	1.11	1.43
2	1R	21	THR	CB-OG1	-19.95	1.11	1.43
2	1V	21	THR	CB-OG1	-19.95	1.11	1.43
2	1Z	21	THR	CB-OG1	-19.95	1.11	1.43
2	2R	21	THR	CB-OG1	-19.95	1.11	1.43
2	2V	21	THR	CB-OG1	-19.95	1.11	1.43
2	2Z	21	THR	CB-OG1	-19.95	1.11	1.43
2	43	21	THR	CB-OG1	-19.95	1.11	1.43
2	47	21	THR	CB-OG1	-19.95	1.11	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	21	THR	CB-OG1	-19.95	1.11	1.43
2	53	21	THR	CB-OG1	-19.95	1.11	1.43
2	57	21	THR	CB-OG1	-19.95	1.11	1.43
2	6B	21	THR	CB-OG1	-19.95	1.11	1.43
1	1E	169	ASP	C-O	19.95	1.48	1.24
1	2M	169	ASP	C-O	19.95	1.48	1.24
1	22	169	ASP	C-O	19.95	1.48	1.24
1	3M	169	ASP	C-O	19.95	1.48	1.24
1	36	169	ASP	C-O	19.95	1.48	1.24
1	4I	169	ASP	C-O	19.95	1.48	1.24
1	4Q	169	ASP	C-O	19.95	1.48	1.24
1	5Y	169	ASP	C-O	19.95	1.48	1.24
1	6E	169	ASP	C-O	19.95	1.48	1.24
1	6Y	169	ASP	C-O	19.95	1.48	1.24
1	7I	169	ASP	C-O	19.95	1.48	1.24
1	7U	169	ASP	C-O	19.95	1.48	1.24
1	1A	24	VAL	CA-C	-19.95	1.27	1.52
1	1I	24	VAL	CA-C	-19.95	1.27	1.52
1	2E	24	VAL	CA-C	-19.95	1.27	1.52
1	26	24	VAL	CA-C	-19.95	1.27	1.52
1	3E	24	VAL	CA-C	-19.95	1.27	1.52
1	4A	24	VAL	CA-C	-19.95	1.27	1.52
1	4M	24	VAL	CA-C	-19.95	1.27	1.52
1	4U	24	VAL	CA-C	-19.95	1.27	1.52
1	5Q	24	VAL	CA-C	-19.95	1.27	1.52
1	6I	24	VAL	CA-C	-19.95	1.27	1.52
1	6Q	24	VAL	CA-C	-19.95	1.27	1.52
1	7M	24	VAL	CA-C	-19.95	1.27	1.52
1	12	169	ASP	C-O	19.94	1.48	1.24
2	13	21	THR	CB-OG1	-19.94	1.11	1.43
1	16	169	ASP	C-O	19.94	1.48	1.24
2	17	21	THR	CB-OG1	-19.94	1.11	1.43
1	2A	169	ASP	C-O	19.94	1.48	1.24
2	2B	21	THR	CB-OG1	-19.94	1.11	1.43
1	3Q	169	ASP	C-O	19.94	1.48	1.24
2	3R	21	THR	CB-OG1	-19.94	1.11	1.43
1	3U	169	ASP	C-O	19.94	1.48	1.24
2	3V	21	THR	CB-OG1	-19.94	1.11	1.43
1	3Y	169	ASP	C-O	19.94	1.48	1.24
2	3Z	21	THR	CB-OG1	-19.94	1.11	1.43
1	5E	169	ASP	C-O	19.94	1.48	1.24
2	5F	21	THR	CB-OG1	-19.94	1.11	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5I	169	ASP	C-O	19.94	1.48	1.24
2	5J	21	THR	CB-OG1	-19.94	1.11	1.43
1	5M	169	ASP	C-O	19.94	1.48	1.24
2	5N	21	THR	CB-OG1	-19.94	1.11	1.43
1	62	169	ASP	C-O	19.94	1.48	1.24
2	63	21	THR	CB-OG1	-19.94	1.11	1.43
1	66	169	ASP	C-O	19.94	1.48	1.24
2	67	21	THR	CB-OG1	-19.94	1.11	1.43
1	7A	169	ASP	C-O	19.94	1.48	1.24
2	7B	21	THR	CB-OG1	-19.94	1.11	1.43
1	1M	24	VAL	CA-C	-19.93	1.27	1.52
1	2I	24	VAL	CA-C	-19.93	1.27	1.52
1	3A	24	VAL	CA-C	-19.93	1.27	1.52
1	3I	24	VAL	CA-C	-19.93	1.27	1.52
1	32	24	VAL	CA-C	-19.93	1.27	1.52
1	4E	24	VAL	CA-C	-19.93	1.27	1.52
1	4Y	24	VAL	CA-C	-19.93	1.27	1.52
1	5U	24	VAL	CA-C	-19.93	1.27	1.52
1	6M	24	VAL	CA-C	-19.93	1.27	1.52
1	6U	24	VAL	CA-C	-19.93	1.27	1.52
1	7E	24	VAL	CA-C	-19.93	1.27	1.52
1	7Q	24	VAL	CA-C	-19.93	1.27	1.52
1	1Q	24	VAL	CA-C	-19.92	1.27	1.52
1	1U	24	VAL	CA-C	-19.92	1.27	1.52
1	1Y	24	VAL	CA-C	-19.92	1.27	1.52
1	2Q	24	VAL	CA-C	-19.92	1.27	1.52
1	2U	24	VAL	CA-C	-19.92	1.27	1.52
1	2Y	24	VAL	CA-C	-19.92	1.27	1.52
1	42	24	VAL	CA-C	-19.92	1.27	1.52
1	46	24	VAL	CA-C	-19.92	1.27	1.52
1	5A	24	VAL	CA-C	-19.92	1.27	1.52
1	52	24	VAL	CA-C	-19.92	1.27	1.52
1	56	24	VAL	CA-C	-19.92	1.27	1.52
1	6A	24	VAL	CA-C	-19.92	1.27	1.52
1	1A	169	ASP	C-O	19.92	1.48	1.24
1	1I	169	ASP	C-O	19.92	1.48	1.24
1	2E	169	ASP	C-O	19.92	1.48	1.24
1	26	169	ASP	C-O	19.92	1.48	1.24
1	3E	169	ASP	C-O	19.92	1.48	1.24
1	4A	169	ASP	C-O	19.92	1.48	1.24
1	4M	169	ASP	C-O	19.92	1.48	1.24
1	4U	169	ASP	C-O	19.92	1.48	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	169	ASP	C-O	19.92	1.48	1.24
1	6I	169	ASP	C-O	19.92	1.48	1.24
1	6Q	169	ASP	C-O	19.92	1.48	1.24
1	7M	169	ASP	C-O	19.92	1.48	1.24
1	1Q	169	ASP	C-O	19.92	1.48	1.24
1	1U	169	ASP	C-O	19.92	1.48	1.24
1	1Y	169	ASP	C-O	19.92	1.48	1.24
1	2Q	169	ASP	C-O	19.92	1.48	1.24
1	2U	169	ASP	C-O	19.92	1.48	1.24
1	2Y	169	ASP	C-O	19.92	1.48	1.24
1	42	169	ASP	C-O	19.92	1.48	1.24
1	46	169	ASP	C-O	19.92	1.48	1.24
1	5A	169	ASP	C-O	19.92	1.48	1.24
1	52	169	ASP	C-O	19.92	1.48	1.24
1	56	169	ASP	C-O	19.92	1.48	1.24
1	6A	169	ASP	C-O	19.92	1.48	1.24
2	1R	25	SER	CB-OG	-19.89	1.02	1.42
2	1V	25	SER	CB-OG	-19.89	1.02	1.42
2	1Z	25	SER	CB-OG	-19.89	1.02	1.42
2	2R	25	SER	CB-OG	-19.89	1.02	1.42
2	2V	25	SER	CB-OG	-19.89	1.02	1.42
2	2Z	25	SER	CB-OG	-19.89	1.02	1.42
2	43	25	SER	CB-OG	-19.89	1.02	1.42
2	47	25	SER	CB-OG	-19.89	1.02	1.42
2	5B	25	SER	CB-OG	-19.89	1.02	1.42
2	53	25	SER	CB-OG	-19.89	1.02	1.42
2	57	25	SER	CB-OG	-19.89	1.02	1.42
2	6B	25	SER	CB-OG	-19.89	1.02	1.42
2	13	25	SER	CB-OG	-19.89	1.02	1.42
2	17	25	SER	CB-OG	-19.89	1.02	1.42
2	2B	25	SER	CB-OG	-19.89	1.02	1.42
2	3R	25	SER	CB-OG	-19.89	1.02	1.42
2	3V	25	SER	CB-OG	-19.89	1.02	1.42
2	3Z	25	SER	CB-OG	-19.89	1.02	1.42
2	5F	25	SER	CB-OG	-19.89	1.02	1.42
2	5J	25	SER	CB-OG	-19.89	1.02	1.42
2	5N	25	SER	CB-OG	-19.89	1.02	1.42
2	63	25	SER	CB-OG	-19.89	1.02	1.42
2	67	25	SER	CB-OG	-19.89	1.02	1.42
2	7B	25	SER	CB-OG	-19.89	1.02	1.42
2	1N	25	SER	CB-OG	-19.89	1.02	1.42
2	1N	31	PHE	CA-CB	-19.89	1.19	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2J	25	SER	CB-OG	-19.89	1.02	1.42
2	2J	31	PHE	CA-CB	-19.89	1.19	1.53
2	3B	25	SER	CB-OG	-19.89	1.02	1.42
2	3B	31	PHE	CA-CB	-19.89	1.19	1.53
2	3J	25	SER	CB-OG	-19.89	1.02	1.42
2	3J	31	PHE	CA-CB	-19.89	1.19	1.53
2	33	25	SER	CB-OG	-19.89	1.02	1.42
2	33	31	PHE	CA-CB	-19.89	1.19	1.53
2	4F	25	SER	CB-OG	-19.89	1.02	1.42
2	4F	31	PHE	CA-CB	-19.89	1.19	1.53
2	4Z	25	SER	CB-OG	-19.89	1.02	1.42
2	4Z	31	PHE	CA-CB	-19.89	1.19	1.53
2	5V	25	SER	CB-OG	-19.89	1.02	1.42
2	5V	31	PHE	CA-CB	-19.89	1.19	1.53
2	6N	25	SER	CB-OG	-19.89	1.02	1.42
2	6N	31	PHE	CA-CB	-19.89	1.19	1.53
2	6V	25	SER	CB-OG	-19.89	1.02	1.42
2	6V	31	PHE	CA-CB	-19.89	1.19	1.53
2	7F	25	SER	CB-OG	-19.89	1.02	1.42
2	7F	31	PHE	CA-CB	-19.89	1.19	1.53
2	7R	25	SER	CB-OG	-19.89	1.02	1.42
2	7R	31	PHE	CA-CB	-19.89	1.19	1.53
2	1B	25	SER	CB-OG	-19.89	1.02	1.42
2	1J	25	SER	CB-OG	-19.89	1.02	1.42
2	2F	25	SER	CB-OG	-19.89	1.02	1.42
2	27	25	SER	CB-OG	-19.89	1.02	1.42
2	3F	25	SER	CB-OG	-19.89	1.02	1.42
2	4B	25	SER	CB-OG	-19.89	1.02	1.42
2	4N	25	SER	CB-OG	-19.89	1.02	1.42
2	4V	25	SER	CB-OG	-19.89	1.02	1.42
2	5R	25	SER	CB-OG	-19.89	1.02	1.42
2	6J	25	SER	CB-OG	-19.89	1.02	1.42
2	6R	25	SER	CB-OG	-19.89	1.02	1.42
2	7N	25	SER	CB-OG	-19.89	1.02	1.42
2	1F	25	SER	CB-OG	-19.89	1.02	1.42
2	2N	25	SER	CB-OG	-19.89	1.02	1.42
2	23	25	SER	CB-OG	-19.89	1.02	1.42
2	3N	25	SER	CB-OG	-19.89	1.02	1.42
2	37	25	SER	CB-OG	-19.89	1.02	1.42
2	4J	25	SER	CB-OG	-19.89	1.02	1.42
2	4R	25	SER	CB-OG	-19.89	1.02	1.42
2	5Z	25	SER	CB-OG	-19.89	1.02	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	25	SER	CB-OG	-19.89	1.02	1.42
2	6Z	25	SER	CB-OG	-19.89	1.02	1.42
2	7J	25	SER	CB-OG	-19.89	1.02	1.42
2	7V	25	SER	CB-OG	-19.89	1.02	1.42
1	12	36	THR	CA-C	-19.87	1.25	1.52
1	16	36	THR	CA-C	-19.87	1.25	1.52
1	2A	36	THR	CA-C	-19.87	1.25	1.52
1	3Q	36	THR	CA-C	-19.87	1.25	1.52
1	3U	36	THR	CA-C	-19.87	1.25	1.52
1	3Y	36	THR	CA-C	-19.87	1.25	1.52
1	5E	36	THR	CA-C	-19.87	1.25	1.52
1	5I	36	THR	CA-C	-19.87	1.25	1.52
1	5M	36	THR	CA-C	-19.87	1.25	1.52
1	62	36	THR	CA-C	-19.87	1.25	1.52
1	66	36	THR	CA-C	-19.87	1.25	1.52
1	7A	36	THR	CA-C	-19.87	1.25	1.52
2	1F	31	PHE	CA-CB	-19.86	1.19	1.53
2	2N	31	PHE	CA-CB	-19.86	1.19	1.53
2	23	31	PHE	CA-CB	-19.86	1.19	1.53
2	3N	31	PHE	CA-CB	-19.86	1.19	1.53
2	37	31	PHE	CA-CB	-19.86	1.19	1.53
2	4J	31	PHE	CA-CB	-19.86	1.19	1.53
2	4R	31	PHE	CA-CB	-19.86	1.19	1.53
2	5Z	31	PHE	CA-CB	-19.86	1.19	1.53
2	6F	31	PHE	CA-CB	-19.86	1.19	1.53
2	6Z	31	PHE	CA-CB	-19.86	1.19	1.53
2	7J	31	PHE	CA-CB	-19.86	1.19	1.53
2	7V	31	PHE	CA-CB	-19.86	1.19	1.53
2	13	31	PHE	CA-CB	-19.86	1.20	1.53
2	17	31	PHE	CA-CB	-19.86	1.20	1.53
2	2B	31	PHE	CA-CB	-19.86	1.20	1.53
2	3R	31	PHE	CA-CB	-19.86	1.20	1.53
2	3V	31	PHE	CA-CB	-19.86	1.20	1.53
2	3Z	31	PHE	CA-CB	-19.86	1.20	1.53
2	5F	31	PHE	CA-CB	-19.86	1.20	1.53
2	5J	31	PHE	CA-CB	-19.86	1.20	1.53
2	5N	31	PHE	CA-CB	-19.86	1.20	1.53
2	63	31	PHE	CA-CB	-19.86	1.20	1.53
2	67	31	PHE	CA-CB	-19.86	1.20	1.53
2	7B	31	PHE	CA-CB	-19.86	1.20	1.53
2	1B	31	PHE	CA-CB	-19.85	1.20	1.53
2	1J	31	PHE	CA-CB	-19.85	1.20	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	31	PHE	CA-CB	-19.85	1.20	1.53
2	27	31	PHE	CA-CB	-19.85	1.20	1.53
2	3F	31	PHE	CA-CB	-19.85	1.20	1.53
2	4B	31	PHE	CA-CB	-19.85	1.20	1.53
2	4N	31	PHE	CA-CB	-19.85	1.20	1.53
2	4V	31	PHE	CA-CB	-19.85	1.20	1.53
2	5R	31	PHE	CA-CB	-19.85	1.20	1.53
2	6J	31	PHE	CA-CB	-19.85	1.20	1.53
2	6R	31	PHE	CA-CB	-19.85	1.20	1.53
2	7N	31	PHE	CA-CB	-19.85	1.20	1.53
1	1A	36	THR	CA-C	-19.84	1.25	1.52
1	1I	36	THR	CA-C	-19.84	1.25	1.52
1	2E	36	THR	CA-C	-19.84	1.25	1.52
1	26	36	THR	CA-C	-19.84	1.25	1.52
1	3E	36	THR	CA-C	-19.84	1.25	1.52
1	4A	36	THR	CA-C	-19.84	1.25	1.52
1	4M	36	THR	CA-C	-19.84	1.25	1.52
1	4U	36	THR	CA-C	-19.84	1.25	1.52
1	5Q	36	THR	CA-C	-19.84	1.25	1.52
1	6I	36	THR	CA-C	-19.84	1.25	1.52
1	6Q	36	THR	CA-C	-19.84	1.25	1.52
1	7M	36	THR	CA-C	-19.84	1.25	1.52
1	1E	36	THR	CA-C	-19.84	1.25	1.52
1	2M	36	THR	CA-C	-19.84	1.25	1.52
1	22	36	THR	CA-C	-19.84	1.25	1.52
1	3M	36	THR	CA-C	-19.84	1.25	1.52
1	36	36	THR	CA-C	-19.84	1.25	1.52
1	4I	36	THR	CA-C	-19.84	1.25	1.52
1	4Q	36	THR	CA-C	-19.84	1.25	1.52
1	5Y	36	THR	CA-C	-19.84	1.25	1.52
1	6E	36	THR	CA-C	-19.84	1.25	1.52
1	6Y	36	THR	CA-C	-19.84	1.25	1.52
1	7I	36	THR	CA-C	-19.84	1.25	1.52
1	7U	36	THR	CA-C	-19.84	1.25	1.52
1	12	25	ASP	CG-OD2	19.83	1.63	1.25
1	16	25	ASP	CG-OD2	19.83	1.63	1.25
1	2A	25	ASP	CG-OD2	19.83	1.63	1.25
1	3Q	25	ASP	CG-OD2	19.83	1.63	1.25
1	3U	25	ASP	CG-OD2	19.83	1.63	1.25
1	3Y	25	ASP	CG-OD2	19.83	1.63	1.25
1	5E	25	ASP	CG-OD2	19.83	1.63	1.25
1	5I	25	ASP	CG-OD2	19.83	1.63	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	25	ASP	CG-OD2	19.83	1.63	1.25
1	62	25	ASP	CG-OD2	19.83	1.63	1.25
1	66	25	ASP	CG-OD2	19.83	1.63	1.25
1	7A	25	ASP	CG-OD2	19.83	1.63	1.25
2	1R	31	PHE	CA-CB	-19.83	1.20	1.53
2	1V	31	PHE	CA-CB	-19.83	1.20	1.53
2	1Z	31	PHE	CA-CB	-19.83	1.20	1.53
2	2R	31	PHE	CA-CB	-19.83	1.20	1.53
2	2V	31	PHE	CA-CB	-19.83	1.20	1.53
2	2Z	31	PHE	CA-CB	-19.83	1.20	1.53
2	43	31	PHE	CA-CB	-19.83	1.20	1.53
2	47	31	PHE	CA-CB	-19.83	1.20	1.53
2	5B	31	PHE	CA-CB	-19.83	1.20	1.53
2	53	31	PHE	CA-CB	-19.83	1.20	1.53
2	57	31	PHE	CA-CB	-19.83	1.20	1.53
2	6B	31	PHE	CA-CB	-19.83	1.20	1.53
1	1A	25	ASP	CG-OD2	19.82	1.63	1.25
1	1I	25	ASP	CG-OD2	19.82	1.63	1.25
1	2E	25	ASP	CG-OD2	19.82	1.63	1.25
1	26	25	ASP	CG-OD2	19.82	1.63	1.25
1	3E	25	ASP	CG-OD2	19.82	1.63	1.25
1	4A	25	ASP	CG-OD2	19.82	1.63	1.25
1	4M	25	ASP	CG-OD2	19.82	1.63	1.25
1	4U	25	ASP	CG-OD2	19.82	1.63	1.25
1	5Q	25	ASP	CG-OD2	19.82	1.63	1.25
1	6I	25	ASP	CG-OD2	19.82	1.63	1.25
1	6Q	25	ASP	CG-OD2	19.82	1.63	1.25
1	7M	25	ASP	CG-OD2	19.82	1.63	1.25
1	1Q	25	ASP	CG-OD2	19.82	1.62	1.25
1	1U	25	ASP	CG-OD2	19.82	1.62	1.25
1	1Y	25	ASP	CG-OD2	19.82	1.62	1.25
1	2Q	25	ASP	CG-OD2	19.82	1.62	1.25
1	2U	25	ASP	CG-OD2	19.82	1.62	1.25
1	2Y	25	ASP	CG-OD2	19.82	1.62	1.25
1	42	25	ASP	CG-OD2	19.82	1.62	1.25
1	46	25	ASP	CG-OD2	19.82	1.62	1.25
1	5A	25	ASP	CG-OD2	19.82	1.62	1.25
1	52	25	ASP	CG-OD2	19.82	1.62	1.25
1	56	25	ASP	CG-OD2	19.82	1.62	1.25
1	6A	25	ASP	CG-OD2	19.82	1.62	1.25
1	1M	36	THR	CA-C	-19.81	1.25	1.52
1	2I	36	THR	CA-C	-19.81	1.25	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	36	THR	CA-C	-19.81	1.25	1.52
1	3I	36	THR	CA-C	-19.81	1.25	1.52
1	32	36	THR	CA-C	-19.81	1.25	1.52
1	4E	36	THR	CA-C	-19.81	1.25	1.52
1	4Y	36	THR	CA-C	-19.81	1.25	1.52
1	5U	36	THR	CA-C	-19.81	1.25	1.52
1	6M	36	THR	CA-C	-19.81	1.25	1.52
1	6U	36	THR	CA-C	-19.81	1.25	1.52
1	7E	36	THR	CA-C	-19.81	1.25	1.52
1	7Q	36	THR	CA-C	-19.81	1.25	1.52
1	1E	25	ASP	CG-OD2	19.80	1.62	1.25
1	2M	25	ASP	CG-OD2	19.80	1.62	1.25
1	22	25	ASP	CG-OD2	19.80	1.62	1.25
1	3M	25	ASP	CG-OD2	19.80	1.62	1.25
1	36	25	ASP	CG-OD2	19.80	1.62	1.25
1	4I	25	ASP	CG-OD2	19.80	1.62	1.25
1	4Q	25	ASP	CG-OD2	19.80	1.62	1.25
1	5Y	25	ASP	CG-OD2	19.80	1.62	1.25
1	6E	25	ASP	CG-OD2	19.80	1.62	1.25
1	6Y	25	ASP	CG-OD2	19.80	1.62	1.25
1	7I	25	ASP	CG-OD2	19.80	1.62	1.25
1	7U	25	ASP	CG-OD2	19.80	1.62	1.25
2	1N	44	MET	CA-CB	-19.80	1.20	1.53
2	2J	44	MET	CA-CB	-19.80	1.20	1.53
2	3B	44	MET	CA-CB	-19.80	1.20	1.53
2	3J	44	MET	CA-CB	-19.80	1.20	1.53
2	33	44	MET	CA-CB	-19.80	1.20	1.53
2	4F	44	MET	CA-CB	-19.80	1.20	1.53
2	4Z	44	MET	CA-CB	-19.80	1.20	1.53
2	5V	44	MET	CA-CB	-19.80	1.20	1.53
2	6N	44	MET	CA-CB	-19.80	1.20	1.53
2	6V	44	MET	CA-CB	-19.80	1.20	1.53
2	7F	44	MET	CA-CB	-19.80	1.20	1.53
2	7R	44	MET	CA-CB	-19.80	1.20	1.53
1	1Q	36	THR	CA-C	-19.79	1.25	1.52
1	1U	36	THR	CA-C	-19.79	1.25	1.52
1	1Y	36	THR	CA-C	-19.79	1.25	1.52
1	2Q	36	THR	CA-C	-19.79	1.25	1.52
1	2U	36	THR	CA-C	-19.79	1.25	1.52
1	2Y	36	THR	CA-C	-19.79	1.25	1.52
1	42	36	THR	CA-C	-19.79	1.25	1.52
1	46	36	THR	CA-C	-19.79	1.25	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	36	THR	CA-C	-19.79	1.25	1.52
1	52	36	THR	CA-C	-19.79	1.25	1.52
1	56	36	THR	CA-C	-19.79	1.25	1.52
1	6A	36	THR	CA-C	-19.79	1.25	1.52
2	13	44	MET	CA-CB	-19.79	1.20	1.53
2	17	44	MET	CA-CB	-19.79	1.20	1.53
2	2B	44	MET	CA-CB	-19.79	1.20	1.53
2	3R	44	MET	CA-CB	-19.79	1.20	1.53
2	3V	44	MET	CA-CB	-19.79	1.20	1.53
2	3Z	44	MET	CA-CB	-19.79	1.20	1.53
2	5F	44	MET	CA-CB	-19.79	1.20	1.53
2	5J	44	MET	CA-CB	-19.79	1.20	1.53
2	5N	44	MET	CA-CB	-19.79	1.20	1.53
2	63	44	MET	CA-CB	-19.79	1.20	1.53
2	67	44	MET	CA-CB	-19.79	1.20	1.53
2	7B	44	MET	CA-CB	-19.79	1.20	1.53
1	1M	25	ASP	CG-OD2	19.78	1.62	1.25
1	2I	25	ASP	CG-OD2	19.78	1.62	1.25
1	3A	25	ASP	CG-OD2	19.78	1.62	1.25
1	3I	25	ASP	CG-OD2	19.78	1.62	1.25
1	32	25	ASP	CG-OD2	19.78	1.62	1.25
1	4E	25	ASP	CG-OD2	19.78	1.62	1.25
1	4Y	25	ASP	CG-OD2	19.78	1.62	1.25
1	5U	25	ASP	CG-OD2	19.78	1.62	1.25
1	6M	25	ASP	CG-OD2	19.78	1.62	1.25
1	6U	25	ASP	CG-OD2	19.78	1.62	1.25
1	7E	25	ASP	CG-OD2	19.78	1.62	1.25
1	7Q	25	ASP	CG-OD2	19.78	1.62	1.25
2	1B	44	MET	CA-CB	-19.76	1.20	1.53
2	1J	44	MET	CA-CB	-19.76	1.20	1.53
1	12	21	ASN	CA-C	19.76	1.94	1.52
1	16	21	ASN	CA-C	19.76	1.94	1.52
1	2A	21	ASN	CA-C	19.76	1.94	1.52
2	2F	44	MET	CA-CB	-19.76	1.20	1.53
2	27	44	MET	CA-CB	-19.76	1.20	1.53
2	3F	44	MET	CA-CB	-19.76	1.20	1.53
1	3Q	21	ASN	CA-C	19.76	1.94	1.52
1	3U	21	ASN	CA-C	19.76	1.94	1.52
1	3Y	21	ASN	CA-C	19.76	1.94	1.52
2	4B	44	MET	CA-CB	-19.76	1.20	1.53
2	4N	44	MET	CA-CB	-19.76	1.20	1.53
2	4V	44	MET	CA-CB	-19.76	1.20	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5E	21	ASN	CA-C	19.76	1.94	1.52
1	5I	21	ASN	CA-C	19.76	1.94	1.52
1	5M	21	ASN	CA-C	19.76	1.94	1.52
2	5R	44	MET	CA-CB	-19.76	1.20	1.53
2	6J	44	MET	CA-CB	-19.76	1.20	1.53
2	6R	44	MET	CA-CB	-19.76	1.20	1.53
1	62	21	ASN	CA-C	19.76	1.94	1.52
1	66	21	ASN	CA-C	19.76	1.94	1.52
1	7A	21	ASN	CA-C	19.76	1.94	1.52
2	7N	44	MET	CA-CB	-19.76	1.20	1.53
1	1M	21	ASN	CA-C	19.76	1.94	1.52
1	2I	21	ASN	CA-C	19.76	1.94	1.52
1	3A	21	ASN	CA-C	19.76	1.94	1.52
1	3I	21	ASN	CA-C	19.76	1.94	1.52
1	32	21	ASN	CA-C	19.76	1.94	1.52
1	4E	21	ASN	CA-C	19.76	1.94	1.52
1	4Y	21	ASN	CA-C	19.76	1.94	1.52
1	5U	21	ASN	CA-C	19.76	1.94	1.52
1	6M	21	ASN	CA-C	19.76	1.94	1.52
1	6U	21	ASN	CA-C	19.76	1.94	1.52
1	7E	21	ASN	CA-C	19.76	1.94	1.52
1	7Q	21	ASN	CA-C	19.76	1.94	1.52
2	1F	44	MET	CA-CB	-19.75	1.20	1.53
2	2N	44	MET	CA-CB	-19.75	1.20	1.53
2	23	44	MET	CA-CB	-19.75	1.20	1.53
2	3N	44	MET	CA-CB	-19.75	1.20	1.53
2	37	44	MET	CA-CB	-19.75	1.20	1.53
2	4J	44	MET	CA-CB	-19.75	1.20	1.53
2	4R	44	MET	CA-CB	-19.75	1.20	1.53
2	5Z	44	MET	CA-CB	-19.75	1.20	1.53
2	6F	44	MET	CA-CB	-19.75	1.20	1.53
2	6Z	44	MET	CA-CB	-19.75	1.20	1.53
2	7J	44	MET	CA-CB	-19.75	1.20	1.53
2	7V	44	MET	CA-CB	-19.75	1.20	1.53
2	1R	44	MET	CA-CB	-19.75	1.20	1.53
2	1V	44	MET	CA-CB	-19.75	1.20	1.53
2	1Z	44	MET	CA-CB	-19.75	1.20	1.53
2	2R	44	MET	CA-CB	-19.75	1.20	1.53
2	2V	44	MET	CA-CB	-19.75	1.20	1.53
2	2Z	44	MET	CA-CB	-19.75	1.20	1.53
2	43	44	MET	CA-CB	-19.75	1.20	1.53
2	47	44	MET	CA-CB	-19.75	1.20	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	44	MET	CA-CB	-19.75	1.20	1.53
2	53	44	MET	CA-CB	-19.75	1.20	1.53
2	57	44	MET	CA-CB	-19.75	1.20	1.53
2	6B	44	MET	CA-CB	-19.75	1.20	1.53
1	1Q	21	ASN	CA-C	19.74	1.94	1.52
1	1U	21	ASN	CA-C	19.74	1.94	1.52
1	1Y	21	ASN	CA-C	19.74	1.94	1.52
1	2Q	21	ASN	CA-C	19.74	1.94	1.52
1	2U	21	ASN	CA-C	19.74	1.94	1.52
1	2Y	21	ASN	CA-C	19.74	1.94	1.52
1	42	21	ASN	CA-C	19.74	1.94	1.52
1	46	21	ASN	CA-C	19.74	1.94	1.52
1	5A	21	ASN	CA-C	19.74	1.94	1.52
1	52	21	ASN	CA-C	19.74	1.94	1.52
1	56	21	ASN	CA-C	19.74	1.94	1.52
1	6A	21	ASN	CA-C	19.74	1.94	1.52
1	1A	21	ASN	CA-C	19.74	1.94	1.52
1	1I	21	ASN	CA-C	19.74	1.94	1.52
1	2E	21	ASN	CA-C	19.74	1.94	1.52
1	26	21	ASN	CA-C	19.74	1.94	1.52
1	3E	21	ASN	CA-C	19.74	1.94	1.52
1	4A	21	ASN	CA-C	19.74	1.94	1.52
1	4M	21	ASN	CA-C	19.74	1.94	1.52
1	4U	21	ASN	CA-C	19.74	1.94	1.52
1	5Q	21	ASN	CA-C	19.74	1.94	1.52
1	6I	21	ASN	CA-C	19.74	1.94	1.52
1	6Q	21	ASN	CA-C	19.74	1.94	1.52
1	7M	21	ASN	CA-C	19.74	1.94	1.52
1	1E	21	ASN	CA-C	19.72	1.94	1.52
1	2M	21	ASN	CA-C	19.72	1.94	1.52
1	22	21	ASN	CA-C	19.72	1.94	1.52
1	3M	21	ASN	CA-C	19.72	1.94	1.52
1	36	21	ASN	CA-C	19.72	1.94	1.52
1	4I	21	ASN	CA-C	19.72	1.94	1.52
1	4Q	21	ASN	CA-C	19.72	1.94	1.52
1	5Y	21	ASN	CA-C	19.72	1.94	1.52
1	6E	21	ASN	CA-C	19.72	1.94	1.52
1	6Y	21	ASN	CA-C	19.72	1.94	1.52
1	7I	21	ASN	CA-C	19.72	1.94	1.52
1	7U	21	ASN	CA-C	19.72	1.94	1.52
2	1B	40	ASN	C-O	-19.70	0.99	1.24
2	1J	40	ASN	C-O	-19.70	0.99	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	40	ASN	C-O	-19.70	0.99	1.24
2	27	40	ASN	C-O	-19.70	0.99	1.24
2	3F	40	ASN	C-O	-19.70	0.99	1.24
2	4B	40	ASN	C-O	-19.70	0.99	1.24
2	4N	40	ASN	C-O	-19.70	0.99	1.24
2	4V	40	ASN	C-O	-19.70	0.99	1.24
2	5R	40	ASN	C-O	-19.70	0.99	1.24
2	6J	40	ASN	C-O	-19.70	0.99	1.24
2	6R	40	ASN	C-O	-19.70	0.99	1.24
2	7N	40	ASN	C-O	-19.70	0.99	1.24
2	1R	40	ASN	C-O	-19.69	0.99	1.24
2	1V	40	ASN	C-O	-19.69	0.99	1.24
2	1Z	40	ASN	C-O	-19.69	0.99	1.24
2	2R	40	ASN	C-O	-19.69	0.99	1.24
2	2V	40	ASN	C-O	-19.69	0.99	1.24
2	2Z	40	ASN	C-O	-19.69	0.99	1.24
2	43	40	ASN	C-O	-19.69	0.99	1.24
2	47	40	ASN	C-O	-19.69	0.99	1.24
2	5B	40	ASN	C-O	-19.69	0.99	1.24
2	53	40	ASN	C-O	-19.69	0.99	1.24
2	57	40	ASN	C-O	-19.69	0.99	1.24
2	6B	40	ASN	C-O	-19.69	0.99	1.24
2	1F	40	ASN	C-O	-19.68	0.99	1.24
2	2N	40	ASN	C-O	-19.68	0.99	1.24
2	23	40	ASN	C-O	-19.68	0.99	1.24
2	3N	40	ASN	C-O	-19.68	0.99	1.24
2	37	40	ASN	C-O	-19.68	0.99	1.24
2	4J	40	ASN	C-O	-19.68	0.99	1.24
2	4R	40	ASN	C-O	-19.68	0.99	1.24
2	5Z	40	ASN	C-O	-19.68	0.99	1.24
2	6F	40	ASN	C-O	-19.68	0.99	1.24
2	6Z	40	ASN	C-O	-19.68	0.99	1.24
2	7J	40	ASN	C-O	-19.68	0.99	1.24
2	7V	40	ASN	C-O	-19.68	0.99	1.24
2	1N	40	ASN	C-O	-19.67	0.99	1.24
2	2J	40	ASN	C-O	-19.67	0.99	1.24
2	3B	40	ASN	C-O	-19.67	0.99	1.24
2	3J	40	ASN	C-O	-19.67	0.99	1.24
2	33	40	ASN	C-O	-19.67	0.99	1.24
2	4F	40	ASN	C-O	-19.67	0.99	1.24
2	4Z	40	ASN	C-O	-19.67	0.99	1.24
2	5V	40	ASN	C-O	-19.67	0.99	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	40	ASN	C-O	-19.67	0.99	1.24
2	6V	40	ASN	C-O	-19.67	0.99	1.24
2	7F	40	ASN	C-O	-19.67	0.99	1.24
2	7R	40	ASN	C-O	-19.67	0.99	1.24
2	13	40	ASN	C-O	-19.66	0.99	1.24
2	17	40	ASN	C-O	-19.66	0.99	1.24
2	2B	40	ASN	C-O	-19.66	0.99	1.24
2	3R	40	ASN	C-O	-19.66	0.99	1.24
2	3V	40	ASN	C-O	-19.66	0.99	1.24
2	3Z	40	ASN	C-O	-19.66	0.99	1.24
2	5F	40	ASN	C-O	-19.66	0.99	1.24
2	5J	40	ASN	C-O	-19.66	0.99	1.24
2	5N	40	ASN	C-O	-19.66	0.99	1.24
2	63	40	ASN	C-O	-19.66	0.99	1.24
2	67	40	ASN	C-O	-19.66	0.99	1.24
2	7B	40	ASN	C-O	-19.66	0.99	1.24
2	13	80	GLU	CA-CB	-19.64	1.19	1.53
2	17	80	GLU	CA-CB	-19.64	1.19	1.53
2	2B	80	GLU	CA-CB	-19.64	1.19	1.53
2	3R	80	GLU	CA-CB	-19.64	1.19	1.53
2	3V	80	GLU	CA-CB	-19.64	1.19	1.53
2	3Z	80	GLU	CA-CB	-19.64	1.19	1.53
2	5F	80	GLU	CA-CB	-19.64	1.19	1.53
2	5J	80	GLU	CA-CB	-19.64	1.19	1.53
2	5N	80	GLU	CA-CB	-19.64	1.19	1.53
2	63	80	GLU	CA-CB	-19.64	1.19	1.53
2	67	80	GLU	CA-CB	-19.64	1.19	1.53
2	7B	80	GLU	CA-CB	-19.64	1.19	1.53
2	1B	80	GLU	CA-CB	-19.61	1.19	1.53
2	1J	80	GLU	CA-CB	-19.61	1.19	1.53
2	2F	80	GLU	CA-CB	-19.61	1.19	1.53
2	27	80	GLU	CA-CB	-19.61	1.19	1.53
2	3F	80	GLU	CA-CB	-19.61	1.19	1.53
2	4B	80	GLU	CA-CB	-19.61	1.19	1.53
2	4N	80	GLU	CA-CB	-19.61	1.19	1.53
2	4V	80	GLU	CA-CB	-19.61	1.19	1.53
2	5R	80	GLU	CA-CB	-19.61	1.19	1.53
2	6J	80	GLU	CA-CB	-19.61	1.19	1.53
2	6R	80	GLU	CA-CB	-19.61	1.19	1.53
2	7N	80	GLU	CA-CB	-19.61	1.19	1.53
2	1R	80	GLU	CA-CB	-19.59	1.19	1.53
2	1V	80	GLU	CA-CB	-19.59	1.19	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	80	GLU	CA-CB	-19.59	1.19	1.53
2	2R	80	GLU	CA-CB	-19.59	1.19	1.53
2	2V	80	GLU	CA-CB	-19.59	1.19	1.53
2	2Z	80	GLU	CA-CB	-19.59	1.19	1.53
2	43	80	GLU	CA-CB	-19.59	1.19	1.53
2	47	80	GLU	CA-CB	-19.59	1.19	1.53
2	5B	80	GLU	CA-CB	-19.59	1.19	1.53
2	53	80	GLU	CA-CB	-19.59	1.19	1.53
2	57	80	GLU	CA-CB	-19.59	1.19	1.53
2	6B	80	GLU	CA-CB	-19.59	1.19	1.53
2	1N	80	GLU	CA-CB	-19.59	1.19	1.53
2	2J	80	GLU	CA-CB	-19.59	1.19	1.53
2	3B	80	GLU	CA-CB	-19.59	1.19	1.53
2	3J	80	GLU	CA-CB	-19.59	1.19	1.53
2	33	80	GLU	CA-CB	-19.59	1.19	1.53
2	4F	80	GLU	CA-CB	-19.59	1.19	1.53
2	4Z	80	GLU	CA-CB	-19.59	1.19	1.53
2	5V	80	GLU	CA-CB	-19.59	1.19	1.53
2	6N	80	GLU	CA-CB	-19.59	1.19	1.53
2	6V	80	GLU	CA-CB	-19.59	1.19	1.53
2	7F	80	GLU	CA-CB	-19.59	1.19	1.53
2	7R	80	GLU	CA-CB	-19.59	1.19	1.53
2	1F	80	GLU	CA-CB	-19.57	1.19	1.53
2	2N	80	GLU	CA-CB	-19.57	1.19	1.53
2	23	80	GLU	CA-CB	-19.57	1.19	1.53
2	3N	80	GLU	CA-CB	-19.57	1.19	1.53
2	37	80	GLU	CA-CB	-19.57	1.19	1.53
2	4J	80	GLU	CA-CB	-19.57	1.19	1.53
2	4R	80	GLU	CA-CB	-19.57	1.19	1.53
2	5Z	80	GLU	CA-CB	-19.57	1.19	1.53
2	6F	80	GLU	CA-CB	-19.57	1.19	1.53
2	6Z	80	GLU	CA-CB	-19.57	1.19	1.53
2	7J	80	GLU	CA-CB	-19.57	1.19	1.53
2	7V	80	GLU	CA-CB	-19.57	1.19	1.53
1	1Q	171	ARG	CZ-NH1	-19.54	1.05	1.32
1	1U	171	ARG	CZ-NH1	-19.54	1.05	1.32
1	1Y	171	ARG	CZ-NH1	-19.54	1.05	1.32
1	2Q	171	ARG	CZ-NH1	-19.54	1.05	1.32
1	2U	171	ARG	CZ-NH1	-19.54	1.05	1.32
1	2Y	171	ARG	CZ-NH1	-19.54	1.05	1.32
1	42	171	ARG	CZ-NH1	-19.54	1.05	1.32
1	46	171	ARG	CZ-NH1	-19.54	1.05	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	171	ARG	CZ-NH1	-19.54	1.05	1.32
1	52	171	ARG	CZ-NH1	-19.54	1.05	1.32
1	56	171	ARG	CZ-NH1	-19.54	1.05	1.32
1	6A	171	ARG	CZ-NH1	-19.54	1.05	1.32
1	1E	171	ARG	CZ-NH1	-19.53	1.05	1.32
1	2M	171	ARG	CZ-NH1	-19.53	1.05	1.32
1	22	171	ARG	CZ-NH1	-19.53	1.05	1.32
1	3M	171	ARG	CZ-NH1	-19.53	1.05	1.32
1	36	171	ARG	CZ-NH1	-19.53	1.05	1.32
1	4I	171	ARG	CZ-NH1	-19.53	1.05	1.32
1	4Q	171	ARG	CZ-NH1	-19.53	1.05	1.32
1	5Y	171	ARG	CZ-NH1	-19.53	1.05	1.32
1	6E	171	ARG	CZ-NH1	-19.53	1.05	1.32
1	6Y	171	ARG	CZ-NH1	-19.53	1.05	1.32
1	7I	171	ARG	CZ-NH1	-19.53	1.05	1.32
1	7U	171	ARG	CZ-NH1	-19.53	1.05	1.32
1	1M	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	2I	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	3A	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	3I	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	32	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	4E	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	4Y	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	5U	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	6M	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	6U	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	7E	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	7Q	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	12	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	16	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	2A	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	3Q	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	3U	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	3Y	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	5E	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	5I	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	5M	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	62	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	66	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	7A	171	ARG	CZ-NH1	-19.52	1.05	1.32
1	1A	171	ARG	CZ-NH1	-19.51	1.05	1.32
1	1I	171	ARG	CZ-NH1	-19.51	1.05	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	171	ARG	CZ-NH1	-19.51	1.05	1.32
1	26	171	ARG	CZ-NH1	-19.51	1.05	1.32
1	3E	171	ARG	CZ-NH1	-19.51	1.05	1.32
1	4A	171	ARG	CZ-NH1	-19.51	1.05	1.32
1	4M	171	ARG	CZ-NH1	-19.51	1.05	1.32
1	4U	171	ARG	CZ-NH1	-19.51	1.05	1.32
1	5Q	171	ARG	CZ-NH1	-19.51	1.05	1.32
1	6I	171	ARG	CZ-NH1	-19.51	1.05	1.32
1	6Q	171	ARG	CZ-NH1	-19.51	1.05	1.32
1	7M	171	ARG	CZ-NH1	-19.51	1.05	1.32
2	13	76	ILE	C-O	19.40	1.49	1.23
2	17	76	ILE	C-O	19.40	1.49	1.23
2	2B	76	ILE	C-O	19.40	1.49	1.23
2	3R	76	ILE	C-O	19.40	1.49	1.23
2	3V	76	ILE	C-O	19.40	1.49	1.23
2	3Z	76	ILE	C-O	19.40	1.49	1.23
2	5F	76	ILE	C-O	19.40	1.49	1.23
2	5J	76	ILE	C-O	19.40	1.49	1.23
2	5N	76	ILE	C-O	19.40	1.49	1.23
2	63	76	ILE	C-O	19.40	1.49	1.23
2	67	76	ILE	C-O	19.40	1.49	1.23
2	7B	76	ILE	C-O	19.40	1.49	1.23
2	1R	76	ILE	C-O	19.38	1.49	1.23
2	1V	76	ILE	C-O	19.38	1.49	1.23
2	1Z	76	ILE	C-O	19.38	1.49	1.23
2	2R	76	ILE	C-O	19.38	1.49	1.23
2	2V	76	ILE	C-O	19.38	1.49	1.23
2	2Z	76	ILE	C-O	19.38	1.49	1.23
2	43	76	ILE	C-O	19.38	1.49	1.23
2	47	76	ILE	C-O	19.38	1.49	1.23
2	5B	76	ILE	C-O	19.38	1.49	1.23
2	53	76	ILE	C-O	19.38	1.49	1.23
2	57	76	ILE	C-O	19.38	1.49	1.23
2	6B	76	ILE	C-O	19.38	1.49	1.23
1	1Q	169	ASP	N-CA	-19.38	1.22	1.46
1	1U	169	ASP	N-CA	-19.38	1.22	1.46
1	1Y	169	ASP	N-CA	-19.38	1.22	1.46
1	2Q	169	ASP	N-CA	-19.38	1.22	1.46
1	2U	169	ASP	N-CA	-19.38	1.22	1.46
1	2Y	169	ASP	N-CA	-19.38	1.22	1.46
1	42	169	ASP	N-CA	-19.38	1.22	1.46
1	46	169	ASP	N-CA	-19.38	1.22	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	169	ASP	N-CA	-19.38	1.22	1.46
1	52	169	ASP	N-CA	-19.38	1.22	1.46
1	56	169	ASP	N-CA	-19.38	1.22	1.46
1	6A	169	ASP	N-CA	-19.38	1.22	1.46
1	1A	169	ASP	N-CA	-19.37	1.22	1.46
2	1F	76	ILE	C-O	19.37	1.49	1.23
1	1I	169	ASP	N-CA	-19.37	1.22	1.46
1	2E	169	ASP	N-CA	-19.37	1.22	1.46
2	2N	76	ILE	C-O	19.37	1.49	1.23
2	23	76	ILE	C-O	19.37	1.49	1.23
1	26	169	ASP	N-CA	-19.37	1.22	1.46
1	3E	169	ASP	N-CA	-19.37	1.22	1.46
2	3N	76	ILE	C-O	19.37	1.49	1.23
2	37	76	ILE	C-O	19.37	1.49	1.23
1	4A	169	ASP	N-CA	-19.37	1.22	1.46
2	4J	76	ILE	C-O	19.37	1.49	1.23
1	4M	169	ASP	N-CA	-19.37	1.22	1.46
2	4R	76	ILE	C-O	19.37	1.49	1.23
1	4U	169	ASP	N-CA	-19.37	1.22	1.46
1	5Q	169	ASP	N-CA	-19.37	1.22	1.46
2	5Z	76	ILE	C-O	19.37	1.49	1.23
2	6F	76	ILE	C-O	19.37	1.49	1.23
1	6I	169	ASP	N-CA	-19.37	1.22	1.46
1	6Q	169	ASP	N-CA	-19.37	1.22	1.46
2	6Z	76	ILE	C-O	19.37	1.49	1.23
2	7J	76	ILE	C-O	19.37	1.49	1.23
1	7M	169	ASP	N-CA	-19.37	1.22	1.46
2	7V	76	ILE	C-O	19.37	1.49	1.23
2	1B	76	ILE	C-O	19.37	1.49	1.23
2	1J	76	ILE	C-O	19.37	1.49	1.23
2	2F	76	ILE	C-O	19.37	1.49	1.23
2	27	76	ILE	C-O	19.37	1.49	1.23
2	3F	76	ILE	C-O	19.37	1.49	1.23
2	4B	76	ILE	C-O	19.37	1.49	1.23
2	4N	76	ILE	C-O	19.37	1.49	1.23
2	4V	76	ILE	C-O	19.37	1.49	1.23
2	5R	76	ILE	C-O	19.37	1.49	1.23
2	6J	76	ILE	C-O	19.37	1.49	1.23
2	6R	76	ILE	C-O	19.37	1.49	1.23
2	7N	76	ILE	C-O	19.37	1.49	1.23
1	1E	169	ASP	N-CA	-19.35	1.22	1.46
1	2M	169	ASP	N-CA	-19.35	1.22	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	169	ASP	N-CA	-19.35	1.22	1.46
1	3M	169	ASP	N-CA	-19.35	1.22	1.46
1	36	169	ASP	N-CA	-19.35	1.22	1.46
1	4I	169	ASP	N-CA	-19.35	1.22	1.46
1	4Q	169	ASP	N-CA	-19.35	1.22	1.46
1	5Y	169	ASP	N-CA	-19.35	1.22	1.46
1	6E	169	ASP	N-CA	-19.35	1.22	1.46
1	6Y	169	ASP	N-CA	-19.35	1.22	1.46
1	7I	169	ASP	N-CA	-19.35	1.22	1.46
1	7U	169	ASP	N-CA	-19.35	1.22	1.46
1	12	169	ASP	N-CA	-19.35	1.22	1.46
1	16	169	ASP	N-CA	-19.35	1.22	1.46
1	2A	169	ASP	N-CA	-19.35	1.22	1.46
1	3Q	169	ASP	N-CA	-19.35	1.22	1.46
1	3U	169	ASP	N-CA	-19.35	1.22	1.46
1	3Y	169	ASP	N-CA	-19.35	1.22	1.46
1	5E	169	ASP	N-CA	-19.35	1.22	1.46
1	5I	169	ASP	N-CA	-19.35	1.22	1.46
1	5M	169	ASP	N-CA	-19.35	1.22	1.46
1	62	169	ASP	N-CA	-19.35	1.22	1.46
1	66	169	ASP	N-CA	-19.35	1.22	1.46
1	7A	169	ASP	N-CA	-19.35	1.22	1.46
2	1N	76	ILE	C-O	19.34	1.49	1.23
2	2J	76	ILE	C-O	19.34	1.49	1.23
2	3B	76	ILE	C-O	19.34	1.49	1.23
2	3J	76	ILE	C-O	19.34	1.49	1.23
2	33	76	ILE	C-O	19.34	1.49	1.23
2	4F	76	ILE	C-O	19.34	1.49	1.23
2	4Z	76	ILE	C-O	19.34	1.49	1.23
2	5V	76	ILE	C-O	19.34	1.49	1.23
2	6N	76	ILE	C-O	19.34	1.49	1.23
2	6V	76	ILE	C-O	19.34	1.49	1.23
2	7F	76	ILE	C-O	19.34	1.49	1.23
2	7R	76	ILE	C-O	19.34	1.49	1.23
1	1M	155	PRO	C-N	19.33	1.60	1.33
1	2I	155	PRO	C-N	19.33	1.60	1.33
1	3A	155	PRO	C-N	19.33	1.60	1.33
1	3I	155	PRO	C-N	19.33	1.60	1.33
1	32	155	PRO	C-N	19.33	1.60	1.33
1	4E	155	PRO	C-N	19.33	1.60	1.33
1	4Y	155	PRO	C-N	19.33	1.60	1.33
1	5U	155	PRO	C-N	19.33	1.60	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	155	PRO	C-N	19.33	1.60	1.33
1	6U	155	PRO	C-N	19.33	1.60	1.33
1	7E	155	PRO	C-N	19.33	1.60	1.33
1	7Q	155	PRO	C-N	19.33	1.60	1.33
1	1M	169	ASP	N-CA	-19.30	1.22	1.46
1	12	155	PRO	C-N	19.30	1.60	1.33
1	16	155	PRO	C-N	19.30	1.60	1.33
1	2A	155	PRO	C-N	19.30	1.60	1.33
1	2I	169	ASP	N-CA	-19.30	1.22	1.46
1	3A	169	ASP	N-CA	-19.30	1.22	1.46
1	3I	169	ASP	N-CA	-19.30	1.22	1.46
1	3Q	155	PRO	C-N	19.30	1.60	1.33
1	3U	155	PRO	C-N	19.30	1.60	1.33
1	3Y	155	PRO	C-N	19.30	1.60	1.33
1	32	169	ASP	N-CA	-19.30	1.22	1.46
1	4E	169	ASP	N-CA	-19.30	1.22	1.46
1	4Y	169	ASP	N-CA	-19.30	1.22	1.46
1	5E	155	PRO	C-N	19.30	1.60	1.33
1	5I	155	PRO	C-N	19.30	1.60	1.33
1	5M	155	PRO	C-N	19.30	1.60	1.33
1	5U	169	ASP	N-CA	-19.30	1.22	1.46
1	6M	169	ASP	N-CA	-19.30	1.22	1.46
1	6U	169	ASP	N-CA	-19.30	1.22	1.46
1	62	155	PRO	C-N	19.30	1.60	1.33
1	66	155	PRO	C-N	19.30	1.60	1.33
1	7A	155	PRO	C-N	19.30	1.60	1.33
1	7E	169	ASP	N-CA	-19.30	1.22	1.46
1	7Q	169	ASP	N-CA	-19.30	1.22	1.46
1	1A	155	PRO	C-N	19.30	1.60	1.33
1	1I	155	PRO	C-N	19.30	1.60	1.33
1	2E	155	PRO	C-N	19.30	1.60	1.33
1	26	155	PRO	C-N	19.30	1.60	1.33
1	3E	155	PRO	C-N	19.30	1.60	1.33
1	4A	155	PRO	C-N	19.30	1.60	1.33
1	4M	155	PRO	C-N	19.30	1.60	1.33
1	4U	155	PRO	C-N	19.30	1.60	1.33
1	5Q	155	PRO	C-N	19.30	1.60	1.33
1	6I	155	PRO	C-N	19.30	1.60	1.33
1	6Q	155	PRO	C-N	19.30	1.60	1.33
1	7M	155	PRO	C-N	19.30	1.60	1.33
1	1E	155	PRO	C-N	19.29	1.60	1.33
1	2M	155	PRO	C-N	19.29	1.60	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	155	PRO	C-N	19.29	1.60	1.33
1	3M	155	PRO	C-N	19.29	1.60	1.33
1	36	155	PRO	C-N	19.29	1.60	1.33
1	4I	155	PRO	C-N	19.29	1.60	1.33
1	4Q	155	PRO	C-N	19.29	1.60	1.33
1	5Y	155	PRO	C-N	19.29	1.60	1.33
1	6E	155	PRO	C-N	19.29	1.60	1.33
1	6Y	155	PRO	C-N	19.29	1.60	1.33
1	7I	155	PRO	C-N	19.29	1.60	1.33
1	7U	155	PRO	C-N	19.29	1.60	1.33
1	1Q	155	PRO	C-N	19.25	1.60	1.33
1	1U	155	PRO	C-N	19.25	1.60	1.33
1	1Y	155	PRO	C-N	19.25	1.60	1.33
1	2Q	155	PRO	C-N	19.25	1.60	1.33
1	2U	155	PRO	C-N	19.25	1.60	1.33
1	2Y	155	PRO	C-N	19.25	1.60	1.33
1	42	155	PRO	C-N	19.25	1.60	1.33
1	46	155	PRO	C-N	19.25	1.60	1.33
1	5A	155	PRO	C-N	19.25	1.60	1.33
1	52	155	PRO	C-N	19.25	1.60	1.33
1	56	155	PRO	C-N	19.25	1.60	1.33
1	6A	155	PRO	C-N	19.25	1.60	1.33
1	1M	96	ASP	N-CA	-19.24	1.18	1.46
1	2I	96	ASP	N-CA	-19.24	1.18	1.46
1	3A	96	ASP	N-CA	-19.24	1.18	1.46
1	3I	96	ASP	N-CA	-19.24	1.18	1.46
1	32	96	ASP	N-CA	-19.24	1.18	1.46
1	4E	96	ASP	N-CA	-19.24	1.18	1.46
1	4Y	96	ASP	N-CA	-19.24	1.18	1.46
1	5U	96	ASP	N-CA	-19.24	1.18	1.46
1	6M	96	ASP	N-CA	-19.24	1.18	1.46
1	6U	96	ASP	N-CA	-19.24	1.18	1.46
1	7E	96	ASP	N-CA	-19.24	1.18	1.46
1	7Q	96	ASP	N-CA	-19.24	1.18	1.46
1	1A	22	HIS	N-CA	-19.24	1.21	1.46
1	1I	22	HIS	N-CA	-19.24	1.21	1.46
1	1Q	96	ASP	N-CA	-19.24	1.18	1.46
1	1U	96	ASP	N-CA	-19.24	1.18	1.46
1	1Y	96	ASP	N-CA	-19.24	1.18	1.46
1	2E	22	HIS	N-CA	-19.24	1.21	1.46
1	2Q	96	ASP	N-CA	-19.24	1.18	1.46
1	2U	96	ASP	N-CA	-19.24	1.18	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2Y	96	ASP	N-CA	-19.24	1.18	1.46
1	26	22	HIS	N-CA	-19.24	1.21	1.46
1	3E	22	HIS	N-CA	-19.24	1.21	1.46
1	4A	22	HIS	N-CA	-19.24	1.21	1.46
1	4M	22	HIS	N-CA	-19.24	1.21	1.46
1	4U	22	HIS	N-CA	-19.24	1.21	1.46
1	42	96	ASP	N-CA	-19.24	1.18	1.46
1	46	96	ASP	N-CA	-19.24	1.18	1.46
1	5A	96	ASP	N-CA	-19.24	1.18	1.46
1	5Q	22	HIS	N-CA	-19.24	1.21	1.46
1	52	96	ASP	N-CA	-19.24	1.18	1.46
1	56	96	ASP	N-CA	-19.24	1.18	1.46
1	6A	96	ASP	N-CA	-19.24	1.18	1.46
1	6I	22	HIS	N-CA	-19.24	1.21	1.46
1	6Q	22	HIS	N-CA	-19.24	1.21	1.46
1	7M	22	HIS	N-CA	-19.24	1.21	1.46
1	1Q	22	HIS	N-CA	-19.23	1.21	1.46
1	1U	22	HIS	N-CA	-19.23	1.21	1.46
1	1Y	22	HIS	N-CA	-19.23	1.21	1.46
1	2Q	22	HIS	N-CA	-19.23	1.21	1.46
1	2U	22	HIS	N-CA	-19.23	1.21	1.46
1	2Y	22	HIS	N-CA	-19.23	1.21	1.46
1	42	22	HIS	N-CA	-19.23	1.21	1.46
1	46	22	HIS	N-CA	-19.23	1.21	1.46
1	5A	22	HIS	N-CA	-19.23	1.21	1.46
1	52	22	HIS	N-CA	-19.23	1.21	1.46
1	56	22	HIS	N-CA	-19.23	1.21	1.46
1	6A	22	HIS	N-CA	-19.23	1.21	1.46
1	1A	96	ASP	N-CA	-19.22	1.18	1.46
1	1I	96	ASP	N-CA	-19.22	1.18	1.46
1	2E	96	ASP	N-CA	-19.22	1.18	1.46
1	26	96	ASP	N-CA	-19.22	1.18	1.46
1	3E	96	ASP	N-CA	-19.22	1.18	1.46
1	4A	96	ASP	N-CA	-19.22	1.18	1.46
1	4M	96	ASP	N-CA	-19.22	1.18	1.46
1	4U	96	ASP	N-CA	-19.22	1.18	1.46
1	5Q	96	ASP	N-CA	-19.22	1.18	1.46
1	6I	96	ASP	N-CA	-19.22	1.18	1.46
1	6Q	96	ASP	N-CA	-19.22	1.18	1.46
1	7M	96	ASP	N-CA	-19.22	1.18	1.46
1	12	67	GLY	N-CA	19.22	1.66	1.45
1	16	67	GLY	N-CA	19.22	1.66	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	67	GLY	N-CA	19.22	1.66	1.45
1	3Q	67	GLY	N-CA	19.22	1.66	1.45
1	3U	67	GLY	N-CA	19.22	1.66	1.45
1	3Y	67	GLY	N-CA	19.22	1.66	1.45
1	5E	67	GLY	N-CA	19.22	1.66	1.45
1	5I	67	GLY	N-CA	19.22	1.66	1.45
1	5M	67	GLY	N-CA	19.22	1.66	1.45
1	62	67	GLY	N-CA	19.22	1.66	1.45
1	66	67	GLY	N-CA	19.22	1.66	1.45
1	7A	67	GLY	N-CA	19.22	1.66	1.45
1	1E	67	GLY	N-CA	19.21	1.66	1.45
1	2M	67	GLY	N-CA	19.21	1.66	1.45
1	22	67	GLY	N-CA	19.21	1.66	1.45
1	3M	67	GLY	N-CA	19.21	1.66	1.45
1	36	67	GLY	N-CA	19.21	1.66	1.45
1	4I	67	GLY	N-CA	19.21	1.66	1.45
1	4Q	67	GLY	N-CA	19.21	1.66	1.45
1	5Y	67	GLY	N-CA	19.21	1.66	1.45
1	6E	67	GLY	N-CA	19.21	1.66	1.45
1	6Y	67	GLY	N-CA	19.21	1.66	1.45
1	7I	67	GLY	N-CA	19.21	1.66	1.45
1	7U	67	GLY	N-CA	19.21	1.66	1.45
1	1E	22	HIS	N-CA	-19.21	1.21	1.46
1	1M	67	GLY	N-CA	19.21	1.66	1.45
1	2I	67	GLY	N-CA	19.21	1.66	1.45
1	2M	22	HIS	N-CA	-19.21	1.21	1.46
1	22	22	HIS	N-CA	-19.21	1.21	1.46
1	3A	67	GLY	N-CA	19.21	1.66	1.45
1	3I	67	GLY	N-CA	19.21	1.66	1.45
1	3M	22	HIS	N-CA	-19.21	1.21	1.46
1	32	67	GLY	N-CA	19.21	1.66	1.45
1	36	22	HIS	N-CA	-19.21	1.21	1.46
1	4E	67	GLY	N-CA	19.21	1.66	1.45
1	4I	22	HIS	N-CA	-19.21	1.21	1.46
1	4Q	22	HIS	N-CA	-19.21	1.21	1.46
1	4Y	67	GLY	N-CA	19.21	1.66	1.45
1	5U	67	GLY	N-CA	19.21	1.66	1.45
1	5Y	22	HIS	N-CA	-19.21	1.21	1.46
1	6E	22	HIS	N-CA	-19.21	1.21	1.46
1	6M	67	GLY	N-CA	19.21	1.66	1.45
1	6U	67	GLY	N-CA	19.21	1.66	1.45
1	6Y	22	HIS	N-CA	-19.21	1.21	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7E	67	GLY	N-CA	19.21	1.66	1.45
1	7I	22	HIS	N-CA	-19.21	1.21	1.46
1	7Q	67	GLY	N-CA	19.21	1.66	1.45
1	7U	22	HIS	N-CA	-19.21	1.21	1.46
1	1A	67	GLY	N-CA	19.20	1.66	1.45
1	1I	67	GLY	N-CA	19.20	1.66	1.45
1	2E	67	GLY	N-CA	19.20	1.66	1.45
1	26	67	GLY	N-CA	19.20	1.66	1.45
1	3E	67	GLY	N-CA	19.20	1.66	1.45
1	4A	67	GLY	N-CA	19.20	1.66	1.45
1	4M	67	GLY	N-CA	19.20	1.66	1.45
1	4U	67	GLY	N-CA	19.20	1.66	1.45
1	5Q	67	GLY	N-CA	19.20	1.66	1.45
1	6I	67	GLY	N-CA	19.20	1.66	1.45
1	6Q	67	GLY	N-CA	19.20	1.66	1.45
1	7M	67	GLY	N-CA	19.20	1.66	1.45
1	1M	22	HIS	N-CA	-19.20	1.21	1.46
1	2I	22	HIS	N-CA	-19.20	1.21	1.46
1	3A	22	HIS	N-CA	-19.20	1.21	1.46
1	3I	22	HIS	N-CA	-19.20	1.21	1.46
1	32	22	HIS	N-CA	-19.20	1.21	1.46
1	4E	22	HIS	N-CA	-19.20	1.21	1.46
1	4Y	22	HIS	N-CA	-19.20	1.21	1.46
1	5U	22	HIS	N-CA	-19.20	1.21	1.46
1	6M	22	HIS	N-CA	-19.20	1.21	1.46
1	6U	22	HIS	N-CA	-19.20	1.21	1.46
1	7E	22	HIS	N-CA	-19.20	1.21	1.46
1	7Q	22	HIS	N-CA	-19.20	1.21	1.46
1	12	22	HIS	N-CA	-19.19	1.21	1.46
1	16	22	HIS	N-CA	-19.19	1.21	1.46
1	2A	22	HIS	N-CA	-19.19	1.21	1.46
1	3Q	22	HIS	N-CA	-19.19	1.21	1.46
1	3U	22	HIS	N-CA	-19.19	1.21	1.46
1	3Y	22	HIS	N-CA	-19.19	1.21	1.46
1	5E	22	HIS	N-CA	-19.19	1.21	1.46
1	5I	22	HIS	N-CA	-19.19	1.21	1.46
1	5M	22	HIS	N-CA	-19.19	1.21	1.46
1	62	22	HIS	N-CA	-19.19	1.21	1.46
1	66	22	HIS	N-CA	-19.19	1.21	1.46
1	7A	22	HIS	N-CA	-19.19	1.21	1.46
1	1A	31	LYS	N-CA	-19.19	1.22	1.45
1	1I	31	LYS	N-CA	-19.19	1.22	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	31	LYS	N-CA	-19.19	1.22	1.45
1	26	31	LYS	N-CA	-19.19	1.22	1.45
1	3E	31	LYS	N-CA	-19.19	1.22	1.45
1	4A	31	LYS	N-CA	-19.19	1.22	1.45
1	4M	31	LYS	N-CA	-19.19	1.22	1.45
1	4U	31	LYS	N-CA	-19.19	1.22	1.45
1	5Q	31	LYS	N-CA	-19.19	1.22	1.45
1	6I	31	LYS	N-CA	-19.19	1.22	1.45
1	6Q	31	LYS	N-CA	-19.19	1.22	1.45
1	7M	31	LYS	N-CA	-19.19	1.22	1.45
1	1E	96	ASP	N-CA	-19.17	1.18	1.46
1	2M	96	ASP	N-CA	-19.17	1.18	1.46
1	22	96	ASP	N-CA	-19.17	1.18	1.46
1	3M	96	ASP	N-CA	-19.17	1.18	1.46
1	36	96	ASP	N-CA	-19.17	1.18	1.46
1	4I	96	ASP	N-CA	-19.17	1.18	1.46
1	4Q	96	ASP	N-CA	-19.17	1.18	1.46
1	5Y	96	ASP	N-CA	-19.17	1.18	1.46
1	6E	96	ASP	N-CA	-19.17	1.18	1.46
1	6Y	96	ASP	N-CA	-19.17	1.18	1.46
1	7I	96	ASP	N-CA	-19.17	1.18	1.46
1	7U	96	ASP	N-CA	-19.17	1.18	1.46
1	12	96	ASP	N-CA	-19.17	1.18	1.46
1	16	96	ASP	N-CA	-19.17	1.18	1.46
1	2A	96	ASP	N-CA	-19.17	1.18	1.46
1	3Q	96	ASP	N-CA	-19.17	1.18	1.46
1	3U	96	ASP	N-CA	-19.17	1.18	1.46
1	3Y	96	ASP	N-CA	-19.17	1.18	1.46
1	5E	96	ASP	N-CA	-19.17	1.18	1.46
1	5I	96	ASP	N-CA	-19.17	1.18	1.46
1	5M	96	ASP	N-CA	-19.17	1.18	1.46
1	62	96	ASP	N-CA	-19.17	1.18	1.46
1	66	96	ASP	N-CA	-19.17	1.18	1.46
1	7A	96	ASP	N-CA	-19.17	1.18	1.46
1	12	31	LYS	N-CA	-19.16	1.22	1.45
1	16	31	LYS	N-CA	-19.16	1.22	1.45
1	2A	31	LYS	N-CA	-19.16	1.22	1.45
1	3Q	31	LYS	N-CA	-19.16	1.22	1.45
1	3U	31	LYS	N-CA	-19.16	1.22	1.45
1	3Y	31	LYS	N-CA	-19.16	1.22	1.45
1	5E	31	LYS	N-CA	-19.16	1.22	1.45
1	5I	31	LYS	N-CA	-19.16	1.22	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	31	LYS	N-CA	-19.16	1.22	1.45
1	62	31	LYS	N-CA	-19.16	1.22	1.45
1	66	31	LYS	N-CA	-19.16	1.22	1.45
1	7A	31	LYS	N-CA	-19.16	1.22	1.45
1	1M	31	LYS	N-CA	-19.15	1.22	1.45
1	2I	31	LYS	N-CA	-19.15	1.22	1.45
1	3A	31	LYS	N-CA	-19.15	1.22	1.45
1	3I	31	LYS	N-CA	-19.15	1.22	1.45
1	32	31	LYS	N-CA	-19.15	1.22	1.45
1	4E	31	LYS	N-CA	-19.15	1.22	1.45
1	4Y	31	LYS	N-CA	-19.15	1.22	1.45
1	5U	31	LYS	N-CA	-19.15	1.22	1.45
1	6M	31	LYS	N-CA	-19.15	1.22	1.45
1	6U	31	LYS	N-CA	-19.15	1.22	1.45
1	7E	31	LYS	N-CA	-19.15	1.22	1.45
1	7Q	31	LYS	N-CA	-19.15	1.22	1.45
1	1E	31	LYS	N-CA	-19.15	1.22	1.45
1	2M	31	LYS	N-CA	-19.15	1.22	1.45
1	22	31	LYS	N-CA	-19.15	1.22	1.45
1	3M	31	LYS	N-CA	-19.15	1.22	1.45
1	36	31	LYS	N-CA	-19.15	1.22	1.45
1	4I	31	LYS	N-CA	-19.15	1.22	1.45
1	4Q	31	LYS	N-CA	-19.15	1.22	1.45
1	5Y	31	LYS	N-CA	-19.15	1.22	1.45
1	6E	31	LYS	N-CA	-19.15	1.22	1.45
1	6Y	31	LYS	N-CA	-19.15	1.22	1.45
1	7I	31	LYS	N-CA	-19.15	1.22	1.45
1	7U	31	LYS	N-CA	-19.15	1.22	1.45
1	1Q	67	GLY	N-CA	19.13	1.66	1.45
1	1U	67	GLY	N-CA	19.13	1.66	1.45
1	1Y	67	GLY	N-CA	19.13	1.66	1.45
1	2Q	67	GLY	N-CA	19.13	1.66	1.45
1	2U	67	GLY	N-CA	19.13	1.66	1.45
1	2Y	67	GLY	N-CA	19.13	1.66	1.45
1	42	67	GLY	N-CA	19.13	1.66	1.45
1	46	67	GLY	N-CA	19.13	1.66	1.45
1	5A	67	GLY	N-CA	19.13	1.66	1.45
1	52	67	GLY	N-CA	19.13	1.66	1.45
1	56	67	GLY	N-CA	19.13	1.66	1.45
1	6A	67	GLY	N-CA	19.13	1.66	1.45
2	1B	220	PHE	CB-CG	-19.13	1.06	1.50
2	1J	220	PHE	CB-CG	-19.13	1.06	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1R	220	PHE	CB-CG	-19.13	1.06	1.50
2	1V	220	PHE	CB-CG	-19.13	1.06	1.50
2	1Z	220	PHE	CB-CG	-19.13	1.06	1.50
2	2F	220	PHE	CB-CG	-19.13	1.06	1.50
2	2R	220	PHE	CB-CG	-19.13	1.06	1.50
2	2V	220	PHE	CB-CG	-19.13	1.06	1.50
2	2Z	220	PHE	CB-CG	-19.13	1.06	1.50
2	27	220	PHE	CB-CG	-19.13	1.06	1.50
2	3F	220	PHE	CB-CG	-19.13	1.06	1.50
2	4B	220	PHE	CB-CG	-19.13	1.06	1.50
2	4N	220	PHE	CB-CG	-19.13	1.06	1.50
2	4V	220	PHE	CB-CG	-19.13	1.06	1.50
2	43	220	PHE	CB-CG	-19.13	1.06	1.50
2	47	220	PHE	CB-CG	-19.13	1.06	1.50
2	5B	220	PHE	CB-CG	-19.13	1.06	1.50
2	5R	220	PHE	CB-CG	-19.13	1.06	1.50
2	53	220	PHE	CB-CG	-19.13	1.06	1.50
2	57	220	PHE	CB-CG	-19.13	1.06	1.50
2	6B	220	PHE	CB-CG	-19.13	1.06	1.50
2	6J	220	PHE	CB-CG	-19.13	1.06	1.50
2	6R	220	PHE	CB-CG	-19.13	1.06	1.50
2	7N	220	PHE	CB-CG	-19.13	1.06	1.50
2	1N	220	PHE	CB-CG	-19.12	1.06	1.50
2	2J	220	PHE	CB-CG	-19.12	1.06	1.50
2	3B	220	PHE	CB-CG	-19.12	1.06	1.50
2	3J	220	PHE	CB-CG	-19.12	1.06	1.50
2	33	220	PHE	CB-CG	-19.12	1.06	1.50
2	4F	220	PHE	CB-CG	-19.12	1.06	1.50
2	4Z	220	PHE	CB-CG	-19.12	1.06	1.50
2	5V	220	PHE	CB-CG	-19.12	1.06	1.50
2	6N	220	PHE	CB-CG	-19.12	1.06	1.50
2	6V	220	PHE	CB-CG	-19.12	1.06	1.50
2	7F	220	PHE	CB-CG	-19.12	1.06	1.50
2	7R	220	PHE	CB-CG	-19.12	1.06	1.50
2	1F	46	TYR	CD2-CE2	19.12	1.96	1.38
2	1F	220	PHE	CB-CG	-19.12	1.06	1.50
2	13	220	PHE	CB-CG	-19.12	1.06	1.50
2	17	220	PHE	CB-CG	-19.12	1.06	1.50
2	2B	220	PHE	CB-CG	-19.12	1.06	1.50
2	2N	46	TYR	CD2-CE2	19.12	1.96	1.38
2	2N	220	PHE	CB-CG	-19.12	1.06	1.50
2	23	46	TYR	CD2-CE2	19.12	1.96	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	220	PHE	CB-CG	-19.12	1.06	1.50
2	3N	46	TYR	CD2-CE2	19.12	1.96	1.38
2	3N	220	PHE	CB-CG	-19.12	1.06	1.50
2	3R	220	PHE	CB-CG	-19.12	1.06	1.50
2	3V	220	PHE	CB-CG	-19.12	1.06	1.50
2	3Z	220	PHE	CB-CG	-19.12	1.06	1.50
2	37	46	TYR	CD2-CE2	19.12	1.96	1.38
2	37	220	PHE	CB-CG	-19.12	1.06	1.50
2	4J	46	TYR	CD2-CE2	19.12	1.96	1.38
2	4J	220	PHE	CB-CG	-19.12	1.06	1.50
2	4R	46	TYR	CD2-CE2	19.12	1.96	1.38
2	4R	220	PHE	CB-CG	-19.12	1.06	1.50
2	5F	220	PHE	CB-CG	-19.12	1.06	1.50
2	5J	220	PHE	CB-CG	-19.12	1.06	1.50
2	5N	220	PHE	CB-CG	-19.12	1.06	1.50
2	5Z	46	TYR	CD2-CE2	19.12	1.96	1.38
2	5Z	220	PHE	CB-CG	-19.12	1.06	1.50
2	6F	46	TYR	CD2-CE2	19.12	1.96	1.38
2	6F	220	PHE	CB-CG	-19.12	1.06	1.50
2	6Z	46	TYR	CD2-CE2	19.12	1.96	1.38
2	6Z	220	PHE	CB-CG	-19.12	1.06	1.50
2	63	220	PHE	CB-CG	-19.12	1.06	1.50
2	67	220	PHE	CB-CG	-19.12	1.06	1.50
2	7B	220	PHE	CB-CG	-19.12	1.06	1.50
2	7J	46	TYR	CD2-CE2	19.12	1.96	1.38
2	7J	220	PHE	CB-CG	-19.12	1.06	1.50
2	7V	46	TYR	CD2-CE2	19.12	1.96	1.38
2	7V	220	PHE	CB-CG	-19.12	1.06	1.50
1	1Q	31	LYS	N-CA	-19.12	1.22	1.45
1	1U	31	LYS	N-CA	-19.12	1.22	1.45
1	1Y	31	LYS	N-CA	-19.12	1.22	1.45
1	2Q	31	LYS	N-CA	-19.12	1.22	1.45
1	2U	31	LYS	N-CA	-19.12	1.22	1.45
1	2Y	31	LYS	N-CA	-19.12	1.22	1.45
1	42	31	LYS	N-CA	-19.12	1.22	1.45
1	46	31	LYS	N-CA	-19.12	1.22	1.45
1	5A	31	LYS	N-CA	-19.12	1.22	1.45
1	52	31	LYS	N-CA	-19.12	1.22	1.45
1	56	31	LYS	N-CA	-19.12	1.22	1.45
1	6A	31	LYS	N-CA	-19.12	1.22	1.45
2	1N	29	MET	C-O	-19.12	0.99	1.24
2	2J	29	MET	C-O	-19.12	0.99	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	29	MET	C-O	-19.12	0.99	1.24
2	3J	29	MET	C-O	-19.12	0.99	1.24
2	33	29	MET	C-O	-19.12	0.99	1.24
2	4F	29	MET	C-O	-19.12	0.99	1.24
2	4Z	29	MET	C-O	-19.12	0.99	1.24
2	5V	29	MET	C-O	-19.12	0.99	1.24
2	6N	29	MET	C-O	-19.12	0.99	1.24
2	6V	29	MET	C-O	-19.12	0.99	1.24
2	7F	29	MET	C-O	-19.12	0.99	1.24
2	7R	29	MET	C-O	-19.12	0.99	1.24
2	1R	46	TYR	CD2-CE2	19.11	1.96	1.38
2	1V	46	TYR	CD2-CE2	19.11	1.96	1.38
2	1Z	46	TYR	CD2-CE2	19.11	1.96	1.38
2	2R	46	TYR	CD2-CE2	19.11	1.96	1.38
2	2V	46	TYR	CD2-CE2	19.11	1.96	1.38
2	2Z	46	TYR	CD2-CE2	19.11	1.96	1.38
2	43	46	TYR	CD2-CE2	19.11	1.96	1.38
2	47	46	TYR	CD2-CE2	19.11	1.96	1.38
2	5B	46	TYR	CD2-CE2	19.11	1.96	1.38
2	53	46	TYR	CD2-CE2	19.11	1.96	1.38
2	57	46	TYR	CD2-CE2	19.11	1.96	1.38
2	6B	46	TYR	CD2-CE2	19.11	1.96	1.38
2	1B	46	TYR	CD2-CE2	19.11	1.96	1.38
2	1F	29	MET	C-O	-19.11	0.99	1.24
2	1J	46	TYR	CD2-CE2	19.11	1.96	1.38
2	1N	46	TYR	CD2-CE2	19.11	1.96	1.38
2	13	46	TYR	CD2-CE2	19.11	1.96	1.38
2	17	46	TYR	CD2-CE2	19.11	1.96	1.38
2	2B	46	TYR	CD2-CE2	19.11	1.96	1.38
2	2F	46	TYR	CD2-CE2	19.11	1.96	1.38
2	2J	46	TYR	CD2-CE2	19.11	1.96	1.38
2	2N	29	MET	C-O	-19.11	0.99	1.24
2	23	29	MET	C-O	-19.11	0.99	1.24
2	27	46	TYR	CD2-CE2	19.11	1.96	1.38
2	3B	46	TYR	CD2-CE2	19.11	1.96	1.38
2	3F	46	TYR	CD2-CE2	19.11	1.96	1.38
2	3J	46	TYR	CD2-CE2	19.11	1.96	1.38
2	3N	29	MET	C-O	-19.11	0.99	1.24
2	3R	46	TYR	CD2-CE2	19.11	1.96	1.38
2	3V	46	TYR	CD2-CE2	19.11	1.96	1.38
2	3Z	46	TYR	CD2-CE2	19.11	1.96	1.38
2	33	46	TYR	CD2-CE2	19.11	1.96	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	37	29	MET	C-O	-19.11	0.99	1.24
2	4B	46	TYR	CD2-CE2	19.11	1.96	1.38
2	4F	46	TYR	CD2-CE2	19.11	1.96	1.38
2	4J	29	MET	C-O	-19.11	0.99	1.24
2	4N	46	TYR	CD2-CE2	19.11	1.96	1.38
2	4R	29	MET	C-O	-19.11	0.99	1.24
2	4V	46	TYR	CD2-CE2	19.11	1.96	1.38
2	4Z	46	TYR	CD2-CE2	19.11	1.96	1.38
2	5F	46	TYR	CD2-CE2	19.11	1.96	1.38
2	5J	46	TYR	CD2-CE2	19.11	1.96	1.38
2	5N	46	TYR	CD2-CE2	19.11	1.96	1.38
2	5R	46	TYR	CD2-CE2	19.11	1.96	1.38
2	5V	46	TYR	CD2-CE2	19.11	1.96	1.38
2	5Z	29	MET	C-O	-19.11	0.99	1.24
2	6F	29	MET	C-O	-19.11	0.99	1.24
2	6J	46	TYR	CD2-CE2	19.11	1.96	1.38
2	6N	46	TYR	CD2-CE2	19.11	1.96	1.38
2	6R	46	TYR	CD2-CE2	19.11	1.96	1.38
2	6V	46	TYR	CD2-CE2	19.11	1.96	1.38
2	6Z	29	MET	C-O	-19.11	0.99	1.24
2	63	46	TYR	CD2-CE2	19.11	1.96	1.38
2	67	46	TYR	CD2-CE2	19.11	1.96	1.38
2	7B	46	TYR	CD2-CE2	19.11	1.96	1.38
2	7F	46	TYR	CD2-CE2	19.11	1.96	1.38
2	7J	29	MET	C-O	-19.11	0.99	1.24
2	7N	46	TYR	CD2-CE2	19.11	1.96	1.38
2	7R	46	TYR	CD2-CE2	19.11	1.96	1.38
2	7V	29	MET	C-O	-19.11	0.99	1.24
1	1M	50	ARG	CA-C	19.09	1.78	1.52
1	2I	50	ARG	CA-C	19.09	1.78	1.52
1	3A	50	ARG	CA-C	19.09	1.78	1.52
1	3I	50	ARG	CA-C	19.09	1.78	1.52
1	32	50	ARG	CA-C	19.09	1.78	1.52
1	4E	50	ARG	CA-C	19.09	1.78	1.52
1	4Y	50	ARG	CA-C	19.09	1.78	1.52
1	5U	50	ARG	CA-C	19.09	1.78	1.52
1	6M	50	ARG	CA-C	19.09	1.78	1.52
1	6U	50	ARG	CA-C	19.09	1.78	1.52
1	7E	50	ARG	CA-C	19.09	1.78	1.52
1	7Q	50	ARG	CA-C	19.09	1.78	1.52
1	1A	50	ARG	CA-C	19.07	1.78	1.52
1	1I	50	ARG	CA-C	19.07	1.78	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	50	ARG	CA-C	19.07	1.78	1.52
1	26	50	ARG	CA-C	19.07	1.78	1.52
1	3E	50	ARG	CA-C	19.07	1.78	1.52
1	4A	50	ARG	CA-C	19.07	1.78	1.52
1	4M	50	ARG	CA-C	19.07	1.78	1.52
1	4U	50	ARG	CA-C	19.07	1.78	1.52
1	5Q	50	ARG	CA-C	19.07	1.78	1.52
1	6I	50	ARG	CA-C	19.07	1.78	1.52
1	6Q	50	ARG	CA-C	19.07	1.78	1.52
1	7M	50	ARG	CA-C	19.07	1.78	1.52
1	1E	50	ARG	CA-C	19.07	1.78	1.52
1	2M	50	ARG	CA-C	19.07	1.78	1.52
1	22	50	ARG	CA-C	19.07	1.78	1.52
1	3M	50	ARG	CA-C	19.07	1.78	1.52
1	36	50	ARG	CA-C	19.07	1.78	1.52
1	4I	50	ARG	CA-C	19.07	1.78	1.52
1	4Q	50	ARG	CA-C	19.07	1.78	1.52
1	5Y	50	ARG	CA-C	19.07	1.78	1.52
1	6E	50	ARG	CA-C	19.07	1.78	1.52
1	6Y	50	ARG	CA-C	19.07	1.78	1.52
1	7I	50	ARG	CA-C	19.07	1.78	1.52
1	7U	50	ARG	CA-C	19.07	1.78	1.52
2	1B	29	MET	C-O	-19.06	0.99	1.24
2	1J	29	MET	C-O	-19.06	0.99	1.24
2	2F	29	MET	C-O	-19.06	0.99	1.24
2	27	29	MET	C-O	-19.06	0.99	1.24
2	3F	29	MET	C-O	-19.06	0.99	1.24
2	4B	29	MET	C-O	-19.06	0.99	1.24
2	4N	29	MET	C-O	-19.06	0.99	1.24
2	4V	29	MET	C-O	-19.06	0.99	1.24
2	5R	29	MET	C-O	-19.06	0.99	1.24
2	6J	29	MET	C-O	-19.06	0.99	1.24
2	6R	29	MET	C-O	-19.06	0.99	1.24
2	7N	29	MET	C-O	-19.06	0.99	1.24
2	1R	29	MET	C-O	-19.06	0.99	1.24
2	1V	29	MET	C-O	-19.06	0.99	1.24
2	1Z	29	MET	C-O	-19.06	0.99	1.24
2	2R	29	MET	C-O	-19.06	0.99	1.24
2	2V	29	MET	C-O	-19.06	0.99	1.24
2	2Z	29	MET	C-O	-19.06	0.99	1.24
2	43	29	MET	C-O	-19.06	0.99	1.24
2	47	29	MET	C-O	-19.06	0.99	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	29	MET	C-O	-19.06	0.99	1.24
2	53	29	MET	C-O	-19.06	0.99	1.24
2	57	29	MET	C-O	-19.06	0.99	1.24
2	6B	29	MET	C-O	-19.06	0.99	1.24
2	1F	2	GLU	C-O	-19.05	0.98	1.24
2	2N	2	GLU	C-O	-19.05	0.98	1.24
2	23	2	GLU	C-O	-19.05	0.98	1.24
2	3N	2	GLU	C-O	-19.05	0.98	1.24
2	37	2	GLU	C-O	-19.05	0.98	1.24
2	4J	2	GLU	C-O	-19.05	0.98	1.24
2	4R	2	GLU	C-O	-19.05	0.98	1.24
2	5Z	2	GLU	C-O	-19.05	0.98	1.24
2	6F	2	GLU	C-O	-19.05	0.98	1.24
2	6Z	2	GLU	C-O	-19.05	0.98	1.24
2	7J	2	GLU	C-O	-19.05	0.98	1.24
2	7V	2	GLU	C-O	-19.05	0.98	1.24
2	13	29	MET	C-O	-19.05	0.99	1.24
2	17	29	MET	C-O	-19.05	0.99	1.24
2	2B	29	MET	C-O	-19.05	0.99	1.24
2	3R	29	MET	C-O	-19.05	0.99	1.24
2	3V	29	MET	C-O	-19.05	0.99	1.24
2	3Z	29	MET	C-O	-19.05	0.99	1.24
2	5F	29	MET	C-O	-19.05	0.99	1.24
2	5J	29	MET	C-O	-19.05	0.99	1.24
2	5N	29	MET	C-O	-19.05	0.99	1.24
2	63	29	MET	C-O	-19.05	0.99	1.24
2	67	29	MET	C-O	-19.05	0.99	1.24
2	7B	29	MET	C-O	-19.05	0.99	1.24
1	1Q	50	ARG	CA-C	19.04	1.78	1.52
1	1U	50	ARG	CA-C	19.04	1.78	1.52
1	1Y	50	ARG	CA-C	19.04	1.78	1.52
1	2Q	50	ARG	CA-C	19.04	1.78	1.52
1	2U	50	ARG	CA-C	19.04	1.78	1.52
1	2Y	50	ARG	CA-C	19.04	1.78	1.52
1	42	50	ARG	CA-C	19.04	1.78	1.52
1	46	50	ARG	CA-C	19.04	1.78	1.52
1	5A	50	ARG	CA-C	19.04	1.78	1.52
1	52	50	ARG	CA-C	19.04	1.78	1.52
1	56	50	ARG	CA-C	19.04	1.78	1.52
1	6A	50	ARG	CA-C	19.04	1.78	1.52
1	12	50	ARG	CA-C	19.04	1.78	1.52
1	16	50	ARG	CA-C	19.04	1.78	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	50	ARG	CA-C	19.04	1.78	1.52
1	3Q	50	ARG	CA-C	19.04	1.78	1.52
1	3U	50	ARG	CA-C	19.04	1.78	1.52
1	3Y	50	ARG	CA-C	19.04	1.78	1.52
1	5E	50	ARG	CA-C	19.04	1.78	1.52
1	5I	50	ARG	CA-C	19.04	1.78	1.52
1	5M	50	ARG	CA-C	19.04	1.78	1.52
1	62	50	ARG	CA-C	19.04	1.78	1.52
1	66	50	ARG	CA-C	19.04	1.78	1.52
1	7A	50	ARG	CA-C	19.04	1.78	1.52
2	1N	2	GLU	C-O	-19.03	0.98	1.24
2	2J	2	GLU	C-O	-19.03	0.98	1.24
2	3B	2	GLU	C-O	-19.03	0.98	1.24
2	3J	2	GLU	C-O	-19.03	0.98	1.24
2	33	2	GLU	C-O	-19.03	0.98	1.24
2	4F	2	GLU	C-O	-19.03	0.98	1.24
2	4Z	2	GLU	C-O	-19.03	0.98	1.24
2	5V	2	GLU	C-O	-19.03	0.98	1.24
2	6N	2	GLU	C-O	-19.03	0.98	1.24
2	6V	2	GLU	C-O	-19.03	0.98	1.24
2	7F	2	GLU	C-O	-19.03	0.98	1.24
2	7R	2	GLU	C-O	-19.03	0.98	1.24
2	1B	2	GLU	C-O	-19.03	0.98	1.24
2	1J	2	GLU	C-O	-19.03	0.98	1.24
2	2F	2	GLU	C-O	-19.03	0.98	1.24
2	27	2	GLU	C-O	-19.03	0.98	1.24
2	3F	2	GLU	C-O	-19.03	0.98	1.24
2	4B	2	GLU	C-O	-19.03	0.98	1.24
2	4N	2	GLU	C-O	-19.03	0.98	1.24
2	4V	2	GLU	C-O	-19.03	0.98	1.24
2	5R	2	GLU	C-O	-19.03	0.98	1.24
2	6J	2	GLU	C-O	-19.03	0.98	1.24
2	6R	2	GLU	C-O	-19.03	0.98	1.24
2	7N	2	GLU	C-O	-19.03	0.98	1.24
2	13	42	HIS	CB-CG	19.02	1.76	1.50
2	17	42	HIS	CB-CG	19.02	1.76	1.50
2	2B	42	HIS	CB-CG	19.02	1.76	1.50
2	3R	42	HIS	CB-CG	19.02	1.76	1.50
2	3V	42	HIS	CB-CG	19.02	1.76	1.50
2	3Z	42	HIS	CB-CG	19.02	1.76	1.50
2	5F	42	HIS	CB-CG	19.02	1.76	1.50
2	5J	42	HIS	CB-CG	19.02	1.76	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	42	HIS	CB-CG	19.02	1.76	1.50
2	63	42	HIS	CB-CG	19.02	1.76	1.50
2	67	42	HIS	CB-CG	19.02	1.76	1.50
2	7B	42	HIS	CB-CG	19.02	1.76	1.50
1	1Q	30	PHE	CA-CB	19.01	1.83	1.53
1	1U	30	PHE	CA-CB	19.01	1.83	1.53
1	1Y	30	PHE	CA-CB	19.01	1.83	1.53
1	2Q	30	PHE	CA-CB	19.01	1.83	1.53
1	2U	30	PHE	CA-CB	19.01	1.83	1.53
1	2Y	30	PHE	CA-CB	19.01	1.83	1.53
1	42	30	PHE	CA-CB	19.01	1.83	1.53
1	46	30	PHE	CA-CB	19.01	1.83	1.53
1	5A	30	PHE	CA-CB	19.01	1.83	1.53
1	52	30	PHE	CA-CB	19.01	1.83	1.53
1	56	30	PHE	CA-CB	19.01	1.83	1.53
1	6A	30	PHE	CA-CB	19.01	1.83	1.53
2	13	2	GLU	C-O	-19.01	0.98	1.24
2	17	2	GLU	C-O	-19.01	0.98	1.24
2	2B	2	GLU	C-O	-19.01	0.98	1.24
2	3R	2	GLU	C-O	-19.01	0.98	1.24
2	3V	2	GLU	C-O	-19.01	0.98	1.24
2	3Z	2	GLU	C-O	-19.01	0.98	1.24
2	5F	2	GLU	C-O	-19.01	0.98	1.24
2	5J	2	GLU	C-O	-19.01	0.98	1.24
2	5N	2	GLU	C-O	-19.01	0.98	1.24
2	63	2	GLU	C-O	-19.01	0.98	1.24
2	67	2	GLU	C-O	-19.01	0.98	1.24
2	7B	2	GLU	C-O	-19.01	0.98	1.24
2	1R	2	GLU	C-O	-19.00	0.98	1.24
2	1V	2	GLU	C-O	-19.00	0.98	1.24
2	1Z	2	GLU	C-O	-19.00	0.98	1.24
2	2R	2	GLU	C-O	-19.00	0.98	1.24
2	2V	2	GLU	C-O	-19.00	0.98	1.24
2	2Z	2	GLU	C-O	-19.00	0.98	1.24
2	43	2	GLU	C-O	-19.00	0.98	1.24
2	47	2	GLU	C-O	-19.00	0.98	1.24
2	5B	2	GLU	C-O	-19.00	0.98	1.24
2	53	2	GLU	C-O	-19.00	0.98	1.24
2	57	2	GLU	C-O	-19.00	0.98	1.24
2	6B	2	GLU	C-O	-19.00	0.98	1.24
1	12	30	PHE	CA-CB	18.99	1.83	1.53
1	16	30	PHE	CA-CB	18.99	1.83	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	30	PHE	CA-CB	18.99	1.83	1.53
1	3Q	30	PHE	CA-CB	18.99	1.83	1.53
1	3U	30	PHE	CA-CB	18.99	1.83	1.53
1	3Y	30	PHE	CA-CB	18.99	1.83	1.53
1	5E	30	PHE	CA-CB	18.99	1.83	1.53
1	5I	30	PHE	CA-CB	18.99	1.83	1.53
1	5M	30	PHE	CA-CB	18.99	1.83	1.53
1	62	30	PHE	CA-CB	18.99	1.83	1.53
1	66	30	PHE	CA-CB	18.99	1.83	1.53
1	7A	30	PHE	CA-CB	18.99	1.83	1.53
1	1A	30	PHE	CA-CB	18.99	1.83	1.53
1	1I	30	PHE	CA-CB	18.99	1.83	1.53
1	2E	30	PHE	CA-CB	18.99	1.83	1.53
1	26	30	PHE	CA-CB	18.99	1.83	1.53
1	3E	30	PHE	CA-CB	18.99	1.83	1.53
1	4A	30	PHE	CA-CB	18.99	1.83	1.53
1	4M	30	PHE	CA-CB	18.99	1.83	1.53
1	4U	30	PHE	CA-CB	18.99	1.83	1.53
1	5Q	30	PHE	CA-CB	18.99	1.83	1.53
1	6I	30	PHE	CA-CB	18.99	1.83	1.53
1	6Q	30	PHE	CA-CB	18.99	1.83	1.53
1	7M	30	PHE	CA-CB	18.99	1.83	1.53
2	1B	42	HIS	CB-CG	18.98	1.76	1.50
2	1J	42	HIS	CB-CG	18.98	1.76	1.50
2	1N	42	HIS	CB-CG	18.98	1.76	1.50
2	2F	42	HIS	CB-CG	18.98	1.76	1.50
2	2J	42	HIS	CB-CG	18.98	1.76	1.50
2	27	42	HIS	CB-CG	18.98	1.76	1.50
2	3B	42	HIS	CB-CG	18.98	1.76	1.50
2	3F	42	HIS	CB-CG	18.98	1.76	1.50
2	3J	42	HIS	CB-CG	18.98	1.76	1.50
2	33	42	HIS	CB-CG	18.98	1.76	1.50
2	4B	42	HIS	CB-CG	18.98	1.76	1.50
2	4F	42	HIS	CB-CG	18.98	1.76	1.50
2	4N	42	HIS	CB-CG	18.98	1.76	1.50
2	4V	42	HIS	CB-CG	18.98	1.76	1.50
2	4Z	42	HIS	CB-CG	18.98	1.76	1.50
2	5R	42	HIS	CB-CG	18.98	1.76	1.50
2	5V	42	HIS	CB-CG	18.98	1.76	1.50
2	6J	42	HIS	CB-CG	18.98	1.76	1.50
2	6N	42	HIS	CB-CG	18.98	1.76	1.50
2	6R	42	HIS	CB-CG	18.98	1.76	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6V	42	HIS	CB-CG	18.98	1.76	1.50
2	7F	42	HIS	CB-CG	18.98	1.76	1.50
2	7N	42	HIS	CB-CG	18.98	1.76	1.50
2	7R	42	HIS	CB-CG	18.98	1.76	1.50
1	1E	30	PHE	CA-CB	18.98	1.83	1.53
1	1Q	152	SER	C-O	-18.98	1.02	1.24
1	1U	152	SER	C-O	-18.98	1.02	1.24
1	1Y	152	SER	C-O	-18.98	1.02	1.24
1	2M	30	PHE	CA-CB	18.98	1.83	1.53
1	2Q	152	SER	C-O	-18.98	1.02	1.24
1	2U	152	SER	C-O	-18.98	1.02	1.24
1	2Y	152	SER	C-O	-18.98	1.02	1.24
1	22	30	PHE	CA-CB	18.98	1.83	1.53
1	3M	30	PHE	CA-CB	18.98	1.83	1.53
1	36	30	PHE	CA-CB	18.98	1.83	1.53
1	4I	30	PHE	CA-CB	18.98	1.83	1.53
1	4Q	30	PHE	CA-CB	18.98	1.83	1.53
1	42	152	SER	C-O	-18.98	1.02	1.24
1	46	152	SER	C-O	-18.98	1.02	1.24
1	5A	152	SER	C-O	-18.98	1.02	1.24
1	5Y	30	PHE	CA-CB	18.98	1.83	1.53
1	52	152	SER	C-O	-18.98	1.02	1.24
1	56	152	SER	C-O	-18.98	1.02	1.24
1	6A	152	SER	C-O	-18.98	1.02	1.24
1	6E	30	PHE	CA-CB	18.98	1.83	1.53
1	6Y	30	PHE	CA-CB	18.98	1.83	1.53
1	7I	30	PHE	CA-CB	18.98	1.83	1.53
1	7U	30	PHE	CA-CB	18.98	1.83	1.53
2	1F	42	HIS	CB-CG	18.98	1.76	1.50
2	2N	42	HIS	CB-CG	18.98	1.76	1.50
2	23	42	HIS	CB-CG	18.98	1.76	1.50
2	3N	42	HIS	CB-CG	18.98	1.76	1.50
2	37	42	HIS	CB-CG	18.98	1.76	1.50
2	4J	42	HIS	CB-CG	18.98	1.76	1.50
2	4R	42	HIS	CB-CG	18.98	1.76	1.50
2	5Z	42	HIS	CB-CG	18.98	1.76	1.50
2	6F	42	HIS	CB-CG	18.98	1.76	1.50
2	6Z	42	HIS	CB-CG	18.98	1.76	1.50
2	7J	42	HIS	CB-CG	18.98	1.76	1.50
2	7V	42	HIS	CB-CG	18.98	1.76	1.50
1	1E	152	SER	C-O	-18.97	1.02	1.24
1	2M	152	SER	C-O	-18.97	1.02	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	152	SER	C-O	-18.97	1.02	1.24
1	3M	152	SER	C-O	-18.97	1.02	1.24
1	36	152	SER	C-O	-18.97	1.02	1.24
1	4I	152	SER	C-O	-18.97	1.02	1.24
1	4Q	152	SER	C-O	-18.97	1.02	1.24
1	5Y	152	SER	C-O	-18.97	1.02	1.24
1	6E	152	SER	C-O	-18.97	1.02	1.24
1	6Y	152	SER	C-O	-18.97	1.02	1.24
1	7I	152	SER	C-O	-18.97	1.02	1.24
1	7U	152	SER	C-O	-18.97	1.02	1.24
1	1A	152	SER	C-O	-18.97	1.02	1.24
1	1I	152	SER	C-O	-18.97	1.02	1.24
1	2E	152	SER	C-O	-18.97	1.02	1.24
1	26	152	SER	C-O	-18.97	1.02	1.24
1	3E	152	SER	C-O	-18.97	1.02	1.24
1	4A	152	SER	C-O	-18.97	1.02	1.24
1	4M	152	SER	C-O	-18.97	1.02	1.24
1	4U	152	SER	C-O	-18.97	1.02	1.24
1	5Q	152	SER	C-O	-18.97	1.02	1.24
1	6I	152	SER	C-O	-18.97	1.02	1.24
1	6Q	152	SER	C-O	-18.97	1.02	1.24
1	7M	152	SER	C-O	-18.97	1.02	1.24
1	1M	16	THR	CA-CB	-18.97	1.25	1.53
1	2I	16	THR	CA-CB	-18.97	1.25	1.53
1	3A	16	THR	CA-CB	-18.97	1.25	1.53
1	3I	16	THR	CA-CB	-18.97	1.25	1.53
1	32	16	THR	CA-CB	-18.97	1.25	1.53
1	4E	16	THR	CA-CB	-18.97	1.25	1.53
1	4Y	16	THR	CA-CB	-18.97	1.25	1.53
1	5U	16	THR	CA-CB	-18.97	1.25	1.53
1	6M	16	THR	CA-CB	-18.97	1.25	1.53
1	6U	16	THR	CA-CB	-18.97	1.25	1.53
1	7E	16	THR	CA-CB	-18.97	1.25	1.53
1	7Q	16	THR	CA-CB	-18.97	1.25	1.53
1	1E	16	THR	CA-CB	-18.96	1.25	1.53
1	2M	16	THR	CA-CB	-18.96	1.25	1.53
1	22	16	THR	CA-CB	-18.96	1.25	1.53
1	3M	16	THR	CA-CB	-18.96	1.25	1.53
1	36	16	THR	CA-CB	-18.96	1.25	1.53
1	4I	16	THR	CA-CB	-18.96	1.25	1.53
1	4Q	16	THR	CA-CB	-18.96	1.25	1.53
1	5Y	16	THR	CA-CB	-18.96	1.25	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	16	THR	CA-CB	-18.96	1.25	1.53
1	6Y	16	THR	CA-CB	-18.96	1.25	1.53
1	7I	16	THR	CA-CB	-18.96	1.25	1.53
1	7U	16	THR	CA-CB	-18.96	1.25	1.53
1	12	152	SER	C-O	-18.95	1.02	1.24
1	16	152	SER	C-O	-18.95	1.02	1.24
1	2A	152	SER	C-O	-18.95	1.02	1.24
1	3Q	152	SER	C-O	-18.95	1.02	1.24
1	3U	152	SER	C-O	-18.95	1.02	1.24
1	3Y	152	SER	C-O	-18.95	1.02	1.24
1	5E	152	SER	C-O	-18.95	1.02	1.24
1	5I	152	SER	C-O	-18.95	1.02	1.24
1	5M	152	SER	C-O	-18.95	1.02	1.24
1	62	152	SER	C-O	-18.95	1.02	1.24
1	66	152	SER	C-O	-18.95	1.02	1.24
1	7A	152	SER	C-O	-18.95	1.02	1.24
1	1M	30	PHE	CA-CB	18.95	1.83	1.53
1	2I	30	PHE	CA-CB	18.95	1.83	1.53
1	3A	30	PHE	CA-CB	18.95	1.83	1.53
1	3I	30	PHE	CA-CB	18.95	1.83	1.53
1	32	30	PHE	CA-CB	18.95	1.83	1.53
1	4E	30	PHE	CA-CB	18.95	1.83	1.53
1	4Y	30	PHE	CA-CB	18.95	1.83	1.53
1	5U	30	PHE	CA-CB	18.95	1.83	1.53
1	6M	30	PHE	CA-CB	18.95	1.83	1.53
1	6U	30	PHE	CA-CB	18.95	1.83	1.53
1	7E	30	PHE	CA-CB	18.95	1.83	1.53
1	7Q	30	PHE	CA-CB	18.95	1.83	1.53
2	1R	42	HIS	CB-CG	18.94	1.76	1.50
2	1V	42	HIS	CB-CG	18.94	1.76	1.50
2	1Z	42	HIS	CB-CG	18.94	1.76	1.50
2	2R	42	HIS	CB-CG	18.94	1.76	1.50
2	2V	42	HIS	CB-CG	18.94	1.76	1.50
2	2Z	42	HIS	CB-CG	18.94	1.76	1.50
2	43	42	HIS	CB-CG	18.94	1.76	1.50
2	47	42	HIS	CB-CG	18.94	1.76	1.50
2	5B	42	HIS	CB-CG	18.94	1.76	1.50
2	53	42	HIS	CB-CG	18.94	1.76	1.50
2	57	42	HIS	CB-CG	18.94	1.76	1.50
2	6B	42	HIS	CB-CG	18.94	1.76	1.50
1	1A	16	THR	CA-CB	-18.92	1.25	1.53
1	1I	16	THR	CA-CB	-18.92	1.25	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	16	THR	CA-CB	-18.92	1.25	1.53
1	26	16	THR	CA-CB	-18.92	1.25	1.53
1	3E	16	THR	CA-CB	-18.92	1.25	1.53
1	4A	16	THR	CA-CB	-18.92	1.25	1.53
1	4M	16	THR	CA-CB	-18.92	1.25	1.53
1	4U	16	THR	CA-CB	-18.92	1.25	1.53
1	5Q	16	THR	CA-CB	-18.92	1.25	1.53
1	6I	16	THR	CA-CB	-18.92	1.25	1.53
1	6Q	16	THR	CA-CB	-18.92	1.25	1.53
1	7M	16	THR	CA-CB	-18.92	1.25	1.53
1	1M	152	SER	C-O	-18.92	1.02	1.24
1	2I	152	SER	C-O	-18.92	1.02	1.24
1	3A	152	SER	C-O	-18.92	1.02	1.24
1	3I	152	SER	C-O	-18.92	1.02	1.24
1	32	152	SER	C-O	-18.92	1.02	1.24
1	4E	152	SER	C-O	-18.92	1.02	1.24
1	4Y	152	SER	C-O	-18.92	1.02	1.24
1	5U	152	SER	C-O	-18.92	1.02	1.24
1	6M	152	SER	C-O	-18.92	1.02	1.24
1	6U	152	SER	C-O	-18.92	1.02	1.24
1	7E	152	SER	C-O	-18.92	1.02	1.24
1	7Q	152	SER	C-O	-18.92	1.02	1.24
2	1N	2	GLU	C-N	18.91	1.56	1.33
2	2J	2	GLU	C-N	18.91	1.56	1.33
2	3B	2	GLU	C-N	18.91	1.56	1.33
2	3J	2	GLU	C-N	18.91	1.56	1.33
2	33	2	GLU	C-N	18.91	1.56	1.33
2	4F	2	GLU	C-N	18.91	1.56	1.33
2	4Z	2	GLU	C-N	18.91	1.56	1.33
2	5V	2	GLU	C-N	18.91	1.56	1.33
2	6N	2	GLU	C-N	18.91	1.56	1.33
2	6V	2	GLU	C-N	18.91	1.56	1.33
2	7F	2	GLU	C-N	18.91	1.56	1.33
2	7R	2	GLU	C-N	18.91	1.56	1.33
1	1Q	16	THR	CA-CB	-18.90	1.25	1.53
1	1U	16	THR	CA-CB	-18.90	1.25	1.53
1	1Y	16	THR	CA-CB	-18.90	1.25	1.53
1	2Q	16	THR	CA-CB	-18.90	1.25	1.53
1	2U	16	THR	CA-CB	-18.90	1.25	1.53
1	2Y	16	THR	CA-CB	-18.90	1.25	1.53
1	42	16	THR	CA-CB	-18.90	1.25	1.53
1	46	16	THR	CA-CB	-18.90	1.25	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	16	THR	CA-CB	-18.90	1.25	1.53
1	52	16	THR	CA-CB	-18.90	1.25	1.53
1	56	16	THR	CA-CB	-18.90	1.25	1.53
1	6A	16	THR	CA-CB	-18.90	1.25	1.53
1	12	16	THR	CA-CB	-18.90	1.25	1.53
1	16	16	THR	CA-CB	-18.90	1.25	1.53
1	2A	16	THR	CA-CB	-18.90	1.25	1.53
1	3Q	16	THR	CA-CB	-18.90	1.25	1.53
1	3U	16	THR	CA-CB	-18.90	1.25	1.53
1	3Y	16	THR	CA-CB	-18.90	1.25	1.53
1	5E	16	THR	CA-CB	-18.90	1.25	1.53
1	5I	16	THR	CA-CB	-18.90	1.25	1.53
1	5M	16	THR	CA-CB	-18.90	1.25	1.53
1	62	16	THR	CA-CB	-18.90	1.25	1.53
1	66	16	THR	CA-CB	-18.90	1.25	1.53
1	7A	16	THR	CA-CB	-18.90	1.25	1.53
1	12	51	LEU	C-N	18.89	1.72	1.33
1	16	51	LEU	C-N	18.89	1.72	1.33
1	2A	51	LEU	C-N	18.89	1.72	1.33
1	3Q	51	LEU	C-N	18.89	1.72	1.33
1	3U	51	LEU	C-N	18.89	1.72	1.33
1	3Y	51	LEU	C-N	18.89	1.72	1.33
1	5E	51	LEU	C-N	18.89	1.72	1.33
1	5I	51	LEU	C-N	18.89	1.72	1.33
1	5M	51	LEU	C-N	18.89	1.72	1.33
1	62	51	LEU	C-N	18.89	1.72	1.33
1	66	51	LEU	C-N	18.89	1.72	1.33
1	7A	51	LEU	C-N	18.89	1.72	1.33
1	1A	51	LEU	C-N	18.88	1.72	1.33
1	1I	51	LEU	C-N	18.88	1.72	1.33
1	2E	51	LEU	C-N	18.88	1.72	1.33
1	26	51	LEU	C-N	18.88	1.72	1.33
1	3E	51	LEU	C-N	18.88	1.72	1.33
1	4A	51	LEU	C-N	18.88	1.72	1.33
1	4M	51	LEU	C-N	18.88	1.72	1.33
1	4U	51	LEU	C-N	18.88	1.72	1.33
1	5Q	51	LEU	C-N	18.88	1.72	1.33
1	6I	51	LEU	C-N	18.88	1.72	1.33
1	6Q	51	LEU	C-N	18.88	1.72	1.33
1	7M	51	LEU	C-N	18.88	1.72	1.33
1	1Q	51	LEU	C-N	18.87	1.72	1.33
1	1U	51	LEU	C-N	18.87	1.72	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	51	LEU	C-N	18.87	1.72	1.33
1	2Q	51	LEU	C-N	18.87	1.72	1.33
1	2U	51	LEU	C-N	18.87	1.72	1.33
1	2Y	51	LEU	C-N	18.87	1.72	1.33
1	42	51	LEU	C-N	18.87	1.72	1.33
1	46	51	LEU	C-N	18.87	1.72	1.33
1	5A	51	LEU	C-N	18.87	1.72	1.33
1	52	51	LEU	C-N	18.87	1.72	1.33
1	56	51	LEU	C-N	18.87	1.72	1.33
1	6A	51	LEU	C-N	18.87	1.72	1.33
1	1M	51	LEU	C-N	18.87	1.72	1.33
1	2I	51	LEU	C-N	18.87	1.72	1.33
1	3A	51	LEU	C-N	18.87	1.72	1.33
1	3I	51	LEU	C-N	18.87	1.72	1.33
1	32	51	LEU	C-N	18.87	1.72	1.33
1	4E	51	LEU	C-N	18.87	1.72	1.33
1	4Y	51	LEU	C-N	18.87	1.72	1.33
1	5U	51	LEU	C-N	18.87	1.72	1.33
1	6M	51	LEU	C-N	18.87	1.72	1.33
1	6U	51	LEU	C-N	18.87	1.72	1.33
1	7E	51	LEU	C-N	18.87	1.72	1.33
1	7Q	51	LEU	C-N	18.87	1.72	1.33
1	1E	82	ARG	CZ-NH2	-18.87	1.08	1.33
1	2M	82	ARG	CZ-NH2	-18.87	1.08	1.33
1	22	82	ARG	CZ-NH2	-18.87	1.08	1.33
1	3M	82	ARG	CZ-NH2	-18.87	1.08	1.33
1	36	82	ARG	CZ-NH2	-18.87	1.08	1.33
1	4I	82	ARG	CZ-NH2	-18.87	1.08	1.33
1	4Q	82	ARG	CZ-NH2	-18.87	1.08	1.33
1	5Y	82	ARG	CZ-NH2	-18.87	1.08	1.33
1	6E	82	ARG	CZ-NH2	-18.87	1.08	1.33
1	6Y	82	ARG	CZ-NH2	-18.87	1.08	1.33
1	7I	82	ARG	CZ-NH2	-18.87	1.08	1.33
1	7U	82	ARG	CZ-NH2	-18.87	1.08	1.33
2	1F	2	GLU	C-N	18.86	1.56	1.33
2	2N	2	GLU	C-N	18.86	1.56	1.33
2	23	2	GLU	C-N	18.86	1.56	1.33
2	3N	2	GLU	C-N	18.86	1.56	1.33
2	37	2	GLU	C-N	18.86	1.56	1.33
2	4J	2	GLU	C-N	18.86	1.56	1.33
2	4R	2	GLU	C-N	18.86	1.56	1.33
2	5Z	2	GLU	C-N	18.86	1.56	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	2	GLU	C-N	18.86	1.56	1.33
2	6Z	2	GLU	C-N	18.86	1.56	1.33
2	7J	2	GLU	C-N	18.86	1.56	1.33
2	7V	2	GLU	C-N	18.86	1.56	1.33
1	1E	51	LEU	C-N	18.86	1.72	1.33
1	2M	51	LEU	C-N	18.86	1.72	1.33
1	22	51	LEU	C-N	18.86	1.72	1.33
1	3M	51	LEU	C-N	18.86	1.72	1.33
1	36	51	LEU	C-N	18.86	1.72	1.33
1	4I	51	LEU	C-N	18.86	1.72	1.33
1	4Q	51	LEU	C-N	18.86	1.72	1.33
1	5Y	51	LEU	C-N	18.86	1.72	1.33
1	6E	51	LEU	C-N	18.86	1.72	1.33
1	6Y	51	LEU	C-N	18.86	1.72	1.33
1	7I	51	LEU	C-N	18.86	1.72	1.33
1	7U	51	LEU	C-N	18.86	1.72	1.33
2	1B	2	GLU	C-N	18.84	1.56	1.33
2	1J	2	GLU	C-N	18.84	1.56	1.33
2	2F	2	GLU	C-N	18.84	1.56	1.33
2	27	2	GLU	C-N	18.84	1.56	1.33
2	3F	2	GLU	C-N	18.84	1.56	1.33
2	4B	2	GLU	C-N	18.84	1.56	1.33
2	4N	2	GLU	C-N	18.84	1.56	1.33
2	4V	2	GLU	C-N	18.84	1.56	1.33
2	5R	2	GLU	C-N	18.84	1.56	1.33
2	6J	2	GLU	C-N	18.84	1.56	1.33
2	6R	2	GLU	C-N	18.84	1.56	1.33
2	7N	2	GLU	C-N	18.84	1.56	1.33
2	1R	2	GLU	C-N	18.84	1.56	1.33
2	1V	2	GLU	C-N	18.84	1.56	1.33
2	1Z	2	GLU	C-N	18.84	1.56	1.33
2	2R	2	GLU	C-N	18.84	1.56	1.33
2	2V	2	GLU	C-N	18.84	1.56	1.33
2	2Z	2	GLU	C-N	18.84	1.56	1.33
2	43	2	GLU	C-N	18.84	1.56	1.33
2	47	2	GLU	C-N	18.84	1.56	1.33
2	5B	2	GLU	C-N	18.84	1.56	1.33
2	53	2	GLU	C-N	18.84	1.56	1.33
2	57	2	GLU	C-N	18.84	1.56	1.33
2	6B	2	GLU	C-N	18.84	1.56	1.33
2	13	2	GLU	C-N	18.83	1.56	1.33
2	17	2	GLU	C-N	18.83	1.56	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	2	GLU	C-N	18.83	1.56	1.33
2	3R	2	GLU	C-N	18.83	1.56	1.33
2	3V	2	GLU	C-N	18.83	1.56	1.33
2	3Z	2	GLU	C-N	18.83	1.56	1.33
2	5F	2	GLU	C-N	18.83	1.56	1.33
2	5J	2	GLU	C-N	18.83	1.56	1.33
2	5N	2	GLU	C-N	18.83	1.56	1.33
2	63	2	GLU	C-N	18.83	1.56	1.33
2	67	2	GLU	C-N	18.83	1.56	1.33
2	7B	2	GLU	C-N	18.83	1.56	1.33
1	1M	82	ARG	CZ-NH2	-18.83	1.08	1.33
1	2I	82	ARG	CZ-NH2	-18.83	1.08	1.33
1	3A	82	ARG	CZ-NH2	-18.83	1.08	1.33
1	3I	82	ARG	CZ-NH2	-18.83	1.08	1.33
1	32	82	ARG	CZ-NH2	-18.83	1.08	1.33
1	4E	82	ARG	CZ-NH2	-18.83	1.08	1.33
1	4Y	82	ARG	CZ-NH2	-18.83	1.08	1.33
1	5U	82	ARG	CZ-NH2	-18.83	1.08	1.33
1	6M	82	ARG	CZ-NH2	-18.83	1.08	1.33
1	6U	82	ARG	CZ-NH2	-18.83	1.08	1.33
1	7E	82	ARG	CZ-NH2	-18.83	1.08	1.33
1	7Q	82	ARG	CZ-NH2	-18.83	1.08	1.33
2	1R	78	HIS	C-N	-18.82	1.08	1.33
2	1V	78	HIS	C-N	-18.82	1.08	1.33
2	1Z	78	HIS	C-N	-18.82	1.08	1.33
2	2R	78	HIS	C-N	-18.82	1.08	1.33
2	2V	78	HIS	C-N	-18.82	1.08	1.33
2	2Z	78	HIS	C-N	-18.82	1.08	1.33
2	43	78	HIS	C-N	-18.82	1.08	1.33
2	47	78	HIS	C-N	-18.82	1.08	1.33
2	5B	78	HIS	C-N	-18.82	1.08	1.33
2	53	78	HIS	C-N	-18.82	1.08	1.33
2	57	78	HIS	C-N	-18.82	1.08	1.33
2	6B	78	HIS	C-N	-18.82	1.08	1.33
1	12	82	ARG	CZ-NH2	-18.82	1.08	1.33
1	16	82	ARG	CZ-NH2	-18.82	1.08	1.33
1	2A	82	ARG	CZ-NH2	-18.82	1.08	1.33
1	3Q	82	ARG	CZ-NH2	-18.82	1.08	1.33
1	3U	82	ARG	CZ-NH2	-18.82	1.08	1.33
1	3Y	82	ARG	CZ-NH2	-18.82	1.08	1.33
1	5E	82	ARG	CZ-NH2	-18.82	1.08	1.33
1	5I	82	ARG	CZ-NH2	-18.82	1.08	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	82	ARG	CZ-NH2	-18.82	1.08	1.33
1	62	82	ARG	CZ-NH2	-18.82	1.08	1.33
1	66	82	ARG	CZ-NH2	-18.82	1.08	1.33
1	7A	82	ARG	CZ-NH2	-18.82	1.08	1.33
1	1Q	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	1U	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	1Y	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	2Q	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	2U	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	2Y	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	42	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	46	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	5A	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	52	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	56	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	6A	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	1A	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	1I	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	2E	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	26	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	3E	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	4A	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	4M	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	4U	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	5Q	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	6I	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	6Q	82	ARG	CZ-NH2	-18.81	1.08	1.33
1	7M	82	ARG	CZ-NH2	-18.81	1.08	1.33
2	1R	45	ALA	C-O	-18.81	1.00	1.24
2	1V	45	ALA	C-O	-18.81	1.00	1.24
2	1Z	45	ALA	C-O	-18.81	1.00	1.24
2	2R	45	ALA	C-O	-18.81	1.00	1.24
2	2V	45	ALA	C-O	-18.81	1.00	1.24
2	2Z	45	ALA	C-O	-18.81	1.00	1.24
2	43	45	ALA	C-O	-18.81	1.00	1.24
2	47	45	ALA	C-O	-18.81	1.00	1.24
2	5B	45	ALA	C-O	-18.81	1.00	1.24
2	53	45	ALA	C-O	-18.81	1.00	1.24
2	57	45	ALA	C-O	-18.81	1.00	1.24
2	6B	45	ALA	C-O	-18.81	1.00	1.24
2	1N	78	HIS	C-N	-18.80	1.08	1.33
2	2J	78	HIS	C-N	-18.80	1.08	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	78	HIS	C-N	-18.80	1.08	1.33
2	3J	78	HIS	C-N	-18.80	1.08	1.33
2	33	78	HIS	C-N	-18.80	1.08	1.33
2	4F	78	HIS	C-N	-18.80	1.08	1.33
2	4Z	78	HIS	C-N	-18.80	1.08	1.33
2	5V	78	HIS	C-N	-18.80	1.08	1.33
2	6N	78	HIS	C-N	-18.80	1.08	1.33
2	6V	78	HIS	C-N	-18.80	1.08	1.33
2	7F	78	HIS	C-N	-18.80	1.08	1.33
2	7R	78	HIS	C-N	-18.80	1.08	1.33
2	1B	78	HIS	C-N	-18.80	1.08	1.33
2	1J	78	HIS	C-N	-18.80	1.08	1.33
2	2F	78	HIS	C-N	-18.80	1.08	1.33
2	27	78	HIS	C-N	-18.80	1.08	1.33
2	3F	78	HIS	C-N	-18.80	1.08	1.33
2	4B	78	HIS	C-N	-18.80	1.08	1.33
2	4N	78	HIS	C-N	-18.80	1.08	1.33
2	4V	78	HIS	C-N	-18.80	1.08	1.33
2	5R	78	HIS	C-N	-18.80	1.08	1.33
2	6J	78	HIS	C-N	-18.80	1.08	1.33
2	6R	78	HIS	C-N	-18.80	1.08	1.33
2	7N	78	HIS	C-N	-18.80	1.08	1.33
2	13	45	ALA	C-O	-18.79	1.00	1.24
2	17	45	ALA	C-O	-18.79	1.00	1.24
2	2B	45	ALA	C-O	-18.79	1.00	1.24
2	3R	45	ALA	C-O	-18.79	1.00	1.24
2	3V	45	ALA	C-O	-18.79	1.00	1.24
2	3Z	45	ALA	C-O	-18.79	1.00	1.24
2	5F	45	ALA	C-O	-18.79	1.00	1.24
2	5J	45	ALA	C-O	-18.79	1.00	1.24
2	5N	45	ALA	C-O	-18.79	1.00	1.24
2	63	45	ALA	C-O	-18.79	1.00	1.24
2	67	45	ALA	C-O	-18.79	1.00	1.24
2	7B	45	ALA	C-O	-18.79	1.00	1.24
2	1F	78	HIS	C-N	-18.78	1.08	1.33
2	2N	78	HIS	C-N	-18.78	1.08	1.33
2	23	78	HIS	C-N	-18.78	1.08	1.33
2	3N	78	HIS	C-N	-18.78	1.08	1.33
2	37	78	HIS	C-N	-18.78	1.08	1.33
2	4J	78	HIS	C-N	-18.78	1.08	1.33
2	4R	78	HIS	C-N	-18.78	1.08	1.33
2	5Z	78	HIS	C-N	-18.78	1.08	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	78	HIS	C-N	-18.78	1.08	1.33
2	6Z	78	HIS	C-N	-18.78	1.08	1.33
2	7J	78	HIS	C-N	-18.78	1.08	1.33
2	7V	78	HIS	C-N	-18.78	1.08	1.33
2	1B	45	ALA	C-O	-18.77	1.00	1.24
2	1J	45	ALA	C-O	-18.77	1.00	1.24
1	1M	49	LEU	CA-CB	-18.77	1.24	1.53
2	2F	45	ALA	C-O	-18.77	1.00	1.24
1	2I	49	LEU	CA-CB	-18.77	1.24	1.53
2	27	45	ALA	C-O	-18.77	1.00	1.24
1	3A	49	LEU	CA-CB	-18.77	1.24	1.53
2	3F	45	ALA	C-O	-18.77	1.00	1.24
1	3I	49	LEU	CA-CB	-18.77	1.24	1.53
1	32	49	LEU	CA-CB	-18.77	1.24	1.53
2	4B	45	ALA	C-O	-18.77	1.00	1.24
1	4E	49	LEU	CA-CB	-18.77	1.24	1.53
2	4N	45	ALA	C-O	-18.77	1.00	1.24
2	4V	45	ALA	C-O	-18.77	1.00	1.24
1	4Y	49	LEU	CA-CB	-18.77	1.24	1.53
2	5R	45	ALA	C-O	-18.77	1.00	1.24
1	5U	49	LEU	CA-CB	-18.77	1.24	1.53
2	6J	45	ALA	C-O	-18.77	1.00	1.24
1	6M	49	LEU	CA-CB	-18.77	1.24	1.53
2	6R	45	ALA	C-O	-18.77	1.00	1.24
1	6U	49	LEU	CA-CB	-18.77	1.24	1.53
1	7E	49	LEU	CA-CB	-18.77	1.24	1.53
2	7N	45	ALA	C-O	-18.77	1.00	1.24
1	7Q	49	LEU	CA-CB	-18.77	1.24	1.53
2	13	78	HIS	C-N	-18.76	1.08	1.33
2	17	78	HIS	C-N	-18.76	1.08	1.33
2	2B	78	HIS	C-N	-18.76	1.08	1.33
2	3R	78	HIS	C-N	-18.76	1.08	1.33
2	3V	78	HIS	C-N	-18.76	1.08	1.33
2	3Z	78	HIS	C-N	-18.76	1.08	1.33
2	5F	78	HIS	C-N	-18.76	1.08	1.33
2	5J	78	HIS	C-N	-18.76	1.08	1.33
2	5N	78	HIS	C-N	-18.76	1.08	1.33
2	63	78	HIS	C-N	-18.76	1.08	1.33
2	67	78	HIS	C-N	-18.76	1.08	1.33
2	7B	78	HIS	C-N	-18.76	1.08	1.33
1	1Q	49	LEU	CA-CB	-18.75	1.24	1.53
1	1U	49	LEU	CA-CB	-18.75	1.24	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	49	LEU	CA-CB	-18.75	1.24	1.53
1	2Q	49	LEU	CA-CB	-18.75	1.24	1.53
1	2U	49	LEU	CA-CB	-18.75	1.24	1.53
1	2Y	49	LEU	CA-CB	-18.75	1.24	1.53
1	42	49	LEU	CA-CB	-18.75	1.24	1.53
1	46	49	LEU	CA-CB	-18.75	1.24	1.53
1	5A	49	LEU	CA-CB	-18.75	1.24	1.53
1	52	49	LEU	CA-CB	-18.75	1.24	1.53
1	56	49	LEU	CA-CB	-18.75	1.24	1.53
1	6A	49	LEU	CA-CB	-18.75	1.24	1.53
1	1A	49	LEU	CA-CB	-18.73	1.24	1.53
1	1I	49	LEU	CA-CB	-18.73	1.24	1.53
1	2E	49	LEU	CA-CB	-18.73	1.24	1.53
1	26	49	LEU	CA-CB	-18.73	1.24	1.53
1	3E	49	LEU	CA-CB	-18.73	1.24	1.53
1	4A	49	LEU	CA-CB	-18.73	1.24	1.53
1	4M	49	LEU	CA-CB	-18.73	1.24	1.53
1	4U	49	LEU	CA-CB	-18.73	1.24	1.53
1	5Q	49	LEU	CA-CB	-18.73	1.24	1.53
1	6I	49	LEU	CA-CB	-18.73	1.24	1.53
1	6Q	49	LEU	CA-CB	-18.73	1.24	1.53
1	7M	49	LEU	CA-CB	-18.73	1.24	1.53
1	1E	49	LEU	CA-CB	-18.73	1.24	1.53
1	2M	49	LEU	CA-CB	-18.73	1.24	1.53
1	22	49	LEU	CA-CB	-18.73	1.24	1.53
1	3M	49	LEU	CA-CB	-18.73	1.24	1.53
1	36	49	LEU	CA-CB	-18.73	1.24	1.53
1	4I	49	LEU	CA-CB	-18.73	1.24	1.53
1	4Q	49	LEU	CA-CB	-18.73	1.24	1.53
1	5Y	49	LEU	CA-CB	-18.73	1.24	1.53
1	6E	49	LEU	CA-CB	-18.73	1.24	1.53
1	6Y	49	LEU	CA-CB	-18.73	1.24	1.53
1	7I	49	LEU	CA-CB	-18.73	1.24	1.53
1	7U	49	LEU	CA-CB	-18.73	1.24	1.53
2	1F	45	ALA	C-O	-18.72	1.00	1.24
2	1N	45	ALA	C-O	-18.72	1.00	1.24
1	12	49	LEU	CA-CB	-18.72	1.24	1.53
1	16	49	LEU	CA-CB	-18.72	1.24	1.53
1	2A	49	LEU	CA-CB	-18.72	1.24	1.53
2	2J	45	ALA	C-O	-18.72	1.00	1.24
2	2N	45	ALA	C-O	-18.72	1.00	1.24
2	23	45	ALA	C-O	-18.72	1.00	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	45	ALA	C-O	-18.72	1.00	1.24
2	3J	45	ALA	C-O	-18.72	1.00	1.24
2	3N	45	ALA	C-O	-18.72	1.00	1.24
1	3Q	49	LEU	CA-CB	-18.72	1.24	1.53
1	3U	49	LEU	CA-CB	-18.72	1.24	1.53
1	3Y	49	LEU	CA-CB	-18.72	1.24	1.53
2	33	45	ALA	C-O	-18.72	1.00	1.24
2	37	45	ALA	C-O	-18.72	1.00	1.24
2	4F	45	ALA	C-O	-18.72	1.00	1.24
2	4J	45	ALA	C-O	-18.72	1.00	1.24
2	4R	45	ALA	C-O	-18.72	1.00	1.24
2	4Z	45	ALA	C-O	-18.72	1.00	1.24
1	5E	49	LEU	CA-CB	-18.72	1.24	1.53
1	5I	49	LEU	CA-CB	-18.72	1.24	1.53
1	5M	49	LEU	CA-CB	-18.72	1.24	1.53
2	5V	45	ALA	C-O	-18.72	1.00	1.24
2	5Z	45	ALA	C-O	-18.72	1.00	1.24
2	6F	45	ALA	C-O	-18.72	1.00	1.24
2	6N	45	ALA	C-O	-18.72	1.00	1.24
2	6V	45	ALA	C-O	-18.72	1.00	1.24
2	6Z	45	ALA	C-O	-18.72	1.00	1.24
1	62	49	LEU	CA-CB	-18.72	1.24	1.53
1	66	49	LEU	CA-CB	-18.72	1.24	1.53
1	7A	49	LEU	CA-CB	-18.72	1.24	1.53
2	7F	45	ALA	C-O	-18.72	1.00	1.24
2	7J	45	ALA	C-O	-18.72	1.00	1.24
2	7R	45	ALA	C-O	-18.72	1.00	1.24
2	7V	45	ALA	C-O	-18.72	1.00	1.24
2	1F	78	HIS	CE1-NE2	18.69	1.51	1.32
2	2N	78	HIS	CE1-NE2	18.69	1.51	1.32
2	23	78	HIS	CE1-NE2	18.69	1.51	1.32
2	3N	78	HIS	CE1-NE2	18.69	1.51	1.32
2	37	78	HIS	CE1-NE2	18.69	1.51	1.32
2	4J	78	HIS	CE1-NE2	18.69	1.51	1.32
2	4R	78	HIS	CE1-NE2	18.69	1.51	1.32
2	5Z	78	HIS	CE1-NE2	18.69	1.51	1.32
2	6F	78	HIS	CE1-NE2	18.69	1.51	1.32
2	6Z	78	HIS	CE1-NE2	18.69	1.51	1.32
2	7J	78	HIS	CE1-NE2	18.69	1.51	1.32
2	7V	78	HIS	CE1-NE2	18.69	1.51	1.32
2	1R	78	HIS	CE1-NE2	18.68	1.51	1.32
2	1V	78	HIS	CE1-NE2	18.68	1.51	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	78	HIS	CE1-NE2	18.68	1.51	1.32
2	2R	78	HIS	CE1-NE2	18.68	1.51	1.32
2	2V	78	HIS	CE1-NE2	18.68	1.51	1.32
2	2Z	78	HIS	CE1-NE2	18.68	1.51	1.32
2	43	78	HIS	CE1-NE2	18.68	1.51	1.32
2	47	78	HIS	CE1-NE2	18.68	1.51	1.32
2	5B	78	HIS	CE1-NE2	18.68	1.51	1.32
2	53	78	HIS	CE1-NE2	18.68	1.51	1.32
2	57	78	HIS	CE1-NE2	18.68	1.51	1.32
2	6B	78	HIS	CE1-NE2	18.68	1.51	1.32
1	1Q	7	GLN	C-O	-18.66	1.01	1.24
1	1U	7	GLN	C-O	-18.66	1.01	1.24
1	1Y	7	GLN	C-O	-18.66	1.01	1.24
1	2Q	7	GLN	C-O	-18.66	1.01	1.24
1	2U	7	GLN	C-O	-18.66	1.01	1.24
1	2Y	7	GLN	C-O	-18.66	1.01	1.24
1	42	7	GLN	C-O	-18.66	1.01	1.24
1	46	7	GLN	C-O	-18.66	1.01	1.24
1	5A	7	GLN	C-O	-18.66	1.01	1.24
1	52	7	GLN	C-O	-18.66	1.01	1.24
1	56	7	GLN	C-O	-18.66	1.01	1.24
1	6A	7	GLN	C-O	-18.66	1.01	1.24
1	1A	7	GLN	C-O	-18.66	1.01	1.24
1	1I	7	GLN	C-O	-18.66	1.01	1.24
1	2E	7	GLN	C-O	-18.66	1.01	1.24
1	26	7	GLN	C-O	-18.66	1.01	1.24
1	3E	7	GLN	C-O	-18.66	1.01	1.24
1	4A	7	GLN	C-O	-18.66	1.01	1.24
1	4M	7	GLN	C-O	-18.66	1.01	1.24
1	4U	7	GLN	C-O	-18.66	1.01	1.24
1	5Q	7	GLN	C-O	-18.66	1.01	1.24
1	6I	7	GLN	C-O	-18.66	1.01	1.24
1	6Q	7	GLN	C-O	-18.66	1.01	1.24
1	7M	7	GLN	C-O	-18.66	1.01	1.24
1	1E	7	GLN	C-O	-18.66	1.01	1.24
1	2M	7	GLN	C-O	-18.66	1.01	1.24
1	22	7	GLN	C-O	-18.66	1.01	1.24
1	3M	7	GLN	C-O	-18.66	1.01	1.24
1	36	7	GLN	C-O	-18.66	1.01	1.24
1	4I	7	GLN	C-O	-18.66	1.01	1.24
1	4Q	7	GLN	C-O	-18.66	1.01	1.24
1	5Y	7	GLN	C-O	-18.66	1.01	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	7	GLN	C-O	-18.66	1.01	1.24
1	6Y	7	GLN	C-O	-18.66	1.01	1.24
1	7I	7	GLN	C-O	-18.66	1.01	1.24
1	7U	7	GLN	C-O	-18.66	1.01	1.24
2	1B	78	HIS	CE1-NE2	18.64	1.51	1.32
2	1J	78	HIS	CE1-NE2	18.64	1.51	1.32
2	2F	78	HIS	CE1-NE2	18.64	1.51	1.32
2	27	78	HIS	CE1-NE2	18.64	1.51	1.32
2	3F	78	HIS	CE1-NE2	18.64	1.51	1.32
2	4B	78	HIS	CE1-NE2	18.64	1.51	1.32
2	4N	78	HIS	CE1-NE2	18.64	1.51	1.32
2	4V	78	HIS	CE1-NE2	18.64	1.51	1.32
2	5R	78	HIS	CE1-NE2	18.64	1.51	1.32
2	6J	78	HIS	CE1-NE2	18.64	1.51	1.32
2	6R	78	HIS	CE1-NE2	18.64	1.51	1.32
2	7N	78	HIS	CE1-NE2	18.64	1.51	1.32
2	13	78	HIS	CE1-NE2	18.64	1.51	1.32
2	17	78	HIS	CE1-NE2	18.64	1.51	1.32
2	2B	78	HIS	CE1-NE2	18.64	1.51	1.32
2	3R	78	HIS	CE1-NE2	18.64	1.51	1.32
2	3V	78	HIS	CE1-NE2	18.64	1.51	1.32
2	3Z	78	HIS	CE1-NE2	18.64	1.51	1.32
2	5F	78	HIS	CE1-NE2	18.64	1.51	1.32
2	5J	78	HIS	CE1-NE2	18.64	1.51	1.32
2	5N	78	HIS	CE1-NE2	18.64	1.51	1.32
2	63	78	HIS	CE1-NE2	18.64	1.51	1.32
2	67	78	HIS	CE1-NE2	18.64	1.51	1.32
2	7B	78	HIS	CE1-NE2	18.64	1.51	1.32
2	1N	78	HIS	CE1-NE2	18.64	1.51	1.32
2	2J	78	HIS	CE1-NE2	18.64	1.51	1.32
2	3B	78	HIS	CE1-NE2	18.64	1.51	1.32
2	3J	78	HIS	CE1-NE2	18.64	1.51	1.32
2	33	78	HIS	CE1-NE2	18.64	1.51	1.32
2	4F	78	HIS	CE1-NE2	18.64	1.51	1.32
2	4Z	78	HIS	CE1-NE2	18.64	1.51	1.32
2	5V	78	HIS	CE1-NE2	18.64	1.51	1.32
2	6N	78	HIS	CE1-NE2	18.64	1.51	1.32
2	6V	78	HIS	CE1-NE2	18.64	1.51	1.32
2	7F	78	HIS	CE1-NE2	18.64	1.51	1.32
2	7R	78	HIS	CE1-NE2	18.64	1.51	1.32
1	1M	7	GLN	C-O	-18.63	1.01	1.24
1	12	7	GLN	C-O	-18.63	1.01	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	16	7	GLN	C-O	-18.63	1.01	1.24
1	2A	7	GLN	C-O	-18.63	1.01	1.24
1	2I	7	GLN	C-O	-18.63	1.01	1.24
1	3A	7	GLN	C-O	-18.63	1.01	1.24
1	3I	7	GLN	C-O	-18.63	1.01	1.24
1	3Q	7	GLN	C-O	-18.63	1.01	1.24
1	3U	7	GLN	C-O	-18.63	1.01	1.24
1	3Y	7	GLN	C-O	-18.63	1.01	1.24
1	32	7	GLN	C-O	-18.63	1.01	1.24
1	4E	7	GLN	C-O	-18.63	1.01	1.24
1	4Y	7	GLN	C-O	-18.63	1.01	1.24
1	5E	7	GLN	C-O	-18.63	1.01	1.24
1	5I	7	GLN	C-O	-18.63	1.01	1.24
1	5M	7	GLN	C-O	-18.63	1.01	1.24
1	5U	7	GLN	C-O	-18.63	1.01	1.24
1	6M	7	GLN	C-O	-18.63	1.01	1.24
1	6U	7	GLN	C-O	-18.63	1.01	1.24
1	62	7	GLN	C-O	-18.63	1.01	1.24
1	66	7	GLN	C-O	-18.63	1.01	1.24
1	7A	7	GLN	C-O	-18.63	1.01	1.24
1	7E	7	GLN	C-O	-18.63	1.01	1.24
1	7Q	7	GLN	C-O	-18.63	1.01	1.24
1	12	52	PHE	N-CA	18.58	1.72	1.46
1	16	52	PHE	N-CA	18.58	1.72	1.46
1	2A	52	PHE	N-CA	18.58	1.72	1.46
1	3Q	52	PHE	N-CA	18.58	1.72	1.46
1	3U	52	PHE	N-CA	18.58	1.72	1.46
1	3Y	52	PHE	N-CA	18.58	1.72	1.46
1	5E	52	PHE	N-CA	18.58	1.72	1.46
1	5I	52	PHE	N-CA	18.58	1.72	1.46
1	5M	52	PHE	N-CA	18.58	1.72	1.46
1	62	52	PHE	N-CA	18.58	1.72	1.46
1	66	52	PHE	N-CA	18.58	1.72	1.46
1	7A	52	PHE	N-CA	18.58	1.72	1.46
1	1E	52	PHE	N-CA	18.57	1.72	1.46
1	2M	52	PHE	N-CA	18.57	1.72	1.46
1	22	52	PHE	N-CA	18.57	1.72	1.46
1	3M	52	PHE	N-CA	18.57	1.72	1.46
1	36	52	PHE	N-CA	18.57	1.72	1.46
1	4I	52	PHE	N-CA	18.57	1.72	1.46
1	4Q	52	PHE	N-CA	18.57	1.72	1.46
1	5Y	52	PHE	N-CA	18.57	1.72	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	52	PHE	N-CA	18.57	1.72	1.46
1	6Y	52	PHE	N-CA	18.57	1.72	1.46
1	7I	52	PHE	N-CA	18.57	1.72	1.46
1	7U	52	PHE	N-CA	18.57	1.72	1.46
1	1A	52	PHE	N-CA	18.56	1.72	1.46
1	1I	52	PHE	N-CA	18.56	1.72	1.46
1	2E	52	PHE	N-CA	18.56	1.72	1.46
1	26	52	PHE	N-CA	18.56	1.72	1.46
1	3E	52	PHE	N-CA	18.56	1.72	1.46
1	4A	52	PHE	N-CA	18.56	1.72	1.46
1	4M	52	PHE	N-CA	18.56	1.72	1.46
1	4U	52	PHE	N-CA	18.56	1.72	1.46
1	5Q	52	PHE	N-CA	18.56	1.72	1.46
1	6I	52	PHE	N-CA	18.56	1.72	1.46
1	6Q	52	PHE	N-CA	18.56	1.72	1.46
1	7M	52	PHE	N-CA	18.56	1.72	1.46
2	1N	107	PHE	CA-CB	18.56	1.82	1.53
2	2J	107	PHE	CA-CB	18.56	1.82	1.53
2	3B	107	PHE	CA-CB	18.56	1.82	1.53
2	3J	107	PHE	CA-CB	18.56	1.82	1.53
2	33	107	PHE	CA-CB	18.56	1.82	1.53
2	4F	107	PHE	CA-CB	18.56	1.82	1.53
2	4Z	107	PHE	CA-CB	18.56	1.82	1.53
2	5V	107	PHE	CA-CB	18.56	1.82	1.53
2	6N	107	PHE	CA-CB	18.56	1.82	1.53
2	6V	107	PHE	CA-CB	18.56	1.82	1.53
2	7F	107	PHE	CA-CB	18.56	1.82	1.53
2	7R	107	PHE	CA-CB	18.56	1.82	1.53
1	1M	52	PHE	N-CA	18.55	1.72	1.46
1	2I	52	PHE	N-CA	18.55	1.72	1.46
1	3A	52	PHE	N-CA	18.55	1.72	1.46
1	3I	52	PHE	N-CA	18.55	1.72	1.46
1	32	52	PHE	N-CA	18.55	1.72	1.46
1	4E	52	PHE	N-CA	18.55	1.72	1.46
1	4Y	52	PHE	N-CA	18.55	1.72	1.46
1	5U	52	PHE	N-CA	18.55	1.72	1.46
1	6M	52	PHE	N-CA	18.55	1.72	1.46
1	6U	52	PHE	N-CA	18.55	1.72	1.46
1	7E	52	PHE	N-CA	18.55	1.72	1.46
1	7Q	52	PHE	N-CA	18.55	1.72	1.46
1	1Q	52	PHE	N-CA	18.55	1.72	1.46
1	1U	52	PHE	N-CA	18.55	1.72	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	52	PHE	N-CA	18.55	1.72	1.46
1	2Q	52	PHE	N-CA	18.55	1.72	1.46
1	2U	52	PHE	N-CA	18.55	1.72	1.46
1	2Y	52	PHE	N-CA	18.55	1.72	1.46
1	42	52	PHE	N-CA	18.55	1.72	1.46
1	46	52	PHE	N-CA	18.55	1.72	1.46
1	5A	52	PHE	N-CA	18.55	1.72	1.46
1	52	52	PHE	N-CA	18.55	1.72	1.46
1	56	52	PHE	N-CA	18.55	1.72	1.46
1	6A	52	PHE	N-CA	18.55	1.72	1.46
2	13	107	PHE	CA-CB	18.52	1.82	1.53
2	17	107	PHE	CA-CB	18.52	1.82	1.53
2	2B	107	PHE	CA-CB	18.52	1.82	1.53
2	3R	107	PHE	CA-CB	18.52	1.82	1.53
2	3V	107	PHE	CA-CB	18.52	1.82	1.53
2	3Z	107	PHE	CA-CB	18.52	1.82	1.53
2	5F	107	PHE	CA-CB	18.52	1.82	1.53
2	5J	107	PHE	CA-CB	18.52	1.82	1.53
2	5N	107	PHE	CA-CB	18.52	1.82	1.53
2	63	107	PHE	CA-CB	18.52	1.82	1.53
2	67	107	PHE	CA-CB	18.52	1.82	1.53
2	7B	107	PHE	CA-CB	18.52	1.82	1.53
2	1F	107	PHE	CA-CB	18.52	1.82	1.53
2	2N	107	PHE	CA-CB	18.52	1.82	1.53
2	23	107	PHE	CA-CB	18.52	1.82	1.53
2	3N	107	PHE	CA-CB	18.52	1.82	1.53
2	37	107	PHE	CA-CB	18.52	1.82	1.53
2	4J	107	PHE	CA-CB	18.52	1.82	1.53
2	4R	107	PHE	CA-CB	18.52	1.82	1.53
2	5Z	107	PHE	CA-CB	18.52	1.82	1.53
2	6F	107	PHE	CA-CB	18.52	1.82	1.53
2	6Z	107	PHE	CA-CB	18.52	1.82	1.53
2	7J	107	PHE	CA-CB	18.52	1.82	1.53
2	7V	107	PHE	CA-CB	18.52	1.82	1.53
2	1R	107	PHE	CA-CB	18.51	1.82	1.53
2	1V	107	PHE	CA-CB	18.51	1.82	1.53
2	1Z	107	PHE	CA-CB	18.51	1.82	1.53
2	2R	107	PHE	CA-CB	18.51	1.82	1.53
2	2V	107	PHE	CA-CB	18.51	1.82	1.53
2	2Z	107	PHE	CA-CB	18.51	1.82	1.53
2	43	107	PHE	CA-CB	18.51	1.82	1.53
2	47	107	PHE	CA-CB	18.51	1.82	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	107	PHE	CA-CB	18.51	1.82	1.53
2	53	107	PHE	CA-CB	18.51	1.82	1.53
2	57	107	PHE	CA-CB	18.51	1.82	1.53
2	6B	107	PHE	CA-CB	18.51	1.82	1.53
2	1B	107	PHE	CA-CB	18.51	1.82	1.53
2	1J	107	PHE	CA-CB	18.51	1.82	1.53
2	2F	107	PHE	CA-CB	18.51	1.82	1.53
2	27	107	PHE	CA-CB	18.51	1.82	1.53
2	3F	107	PHE	CA-CB	18.51	1.82	1.53
2	4B	107	PHE	CA-CB	18.51	1.82	1.53
2	4N	107	PHE	CA-CB	18.51	1.82	1.53
2	4V	107	PHE	CA-CB	18.51	1.82	1.53
2	5R	107	PHE	CA-CB	18.51	1.82	1.53
2	6J	107	PHE	CA-CB	18.51	1.82	1.53
2	6R	107	PHE	CA-CB	18.51	1.82	1.53
2	7N	107	PHE	CA-CB	18.51	1.82	1.53
2	1R	69	SER	CB-OG	-18.47	1.05	1.42
2	1V	69	SER	CB-OG	-18.47	1.05	1.42
2	1Z	69	SER	CB-OG	-18.47	1.05	1.42
2	2R	69	SER	CB-OG	-18.47	1.05	1.42
2	2V	69	SER	CB-OG	-18.47	1.05	1.42
2	2Z	69	SER	CB-OG	-18.47	1.05	1.42
2	43	69	SER	CB-OG	-18.47	1.05	1.42
2	47	69	SER	CB-OG	-18.47	1.05	1.42
2	5B	69	SER	CB-OG	-18.47	1.05	1.42
2	53	69	SER	CB-OG	-18.47	1.05	1.42
2	57	69	SER	CB-OG	-18.47	1.05	1.42
2	6B	69	SER	CB-OG	-18.47	1.05	1.42
2	1F	69	SER	CB-OG	-18.46	1.05	1.42
2	2N	69	SER	CB-OG	-18.46	1.05	1.42
2	23	69	SER	CB-OG	-18.46	1.05	1.42
2	3N	69	SER	CB-OG	-18.46	1.05	1.42
2	37	69	SER	CB-OG	-18.46	1.05	1.42
2	4J	69	SER	CB-OG	-18.46	1.05	1.42
2	4R	69	SER	CB-OG	-18.46	1.05	1.42
2	5Z	69	SER	CB-OG	-18.46	1.05	1.42
2	6F	69	SER	CB-OG	-18.46	1.05	1.42
2	6Z	69	SER	CB-OG	-18.46	1.05	1.42
2	7J	69	SER	CB-OG	-18.46	1.05	1.42
2	7V	69	SER	CB-OG	-18.46	1.05	1.42
2	1R	75	GLN	C-N	18.45	1.63	1.33
2	1V	75	GLN	C-N	18.45	1.63	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	75	GLN	C-N	18.45	1.63	1.33
2	2R	75	GLN	C-N	18.45	1.63	1.33
2	2V	75	GLN	C-N	18.45	1.63	1.33
2	2Z	75	GLN	C-N	18.45	1.63	1.33
2	43	75	GLN	C-N	18.45	1.63	1.33
2	47	75	GLN	C-N	18.45	1.63	1.33
2	5B	75	GLN	C-N	18.45	1.63	1.33
2	53	75	GLN	C-N	18.45	1.63	1.33
2	57	75	GLN	C-N	18.45	1.63	1.33
2	6B	75	GLN	C-N	18.45	1.63	1.33
2	1B	69	SER	CB-OG	-18.45	1.05	1.42
2	1J	69	SER	CB-OG	-18.45	1.05	1.42
2	2F	69	SER	CB-OG	-18.45	1.05	1.42
2	27	69	SER	CB-OG	-18.45	1.05	1.42
2	3F	69	SER	CB-OG	-18.45	1.05	1.42
2	4B	69	SER	CB-OG	-18.45	1.05	1.42
2	4N	69	SER	CB-OG	-18.45	1.05	1.42
2	4V	69	SER	CB-OG	-18.45	1.05	1.42
2	5R	69	SER	CB-OG	-18.45	1.05	1.42
2	6J	69	SER	CB-OG	-18.45	1.05	1.42
2	6R	69	SER	CB-OG	-18.45	1.05	1.42
2	7N	69	SER	CB-OG	-18.45	1.05	1.42
2	13	69	SER	CB-OG	-18.44	1.05	1.42
2	17	69	SER	CB-OG	-18.44	1.05	1.42
2	2B	69	SER	CB-OG	-18.44	1.05	1.42
2	3R	69	SER	CB-OG	-18.44	1.05	1.42
2	3V	69	SER	CB-OG	-18.44	1.05	1.42
2	3Z	69	SER	CB-OG	-18.44	1.05	1.42
2	5F	69	SER	CB-OG	-18.44	1.05	1.42
2	5J	69	SER	CB-OG	-18.44	1.05	1.42
2	5N	69	SER	CB-OG	-18.44	1.05	1.42
2	63	69	SER	CB-OG	-18.44	1.05	1.42
2	67	69	SER	CB-OG	-18.44	1.05	1.42
2	7B	69	SER	CB-OG	-18.44	1.05	1.42
1	1M	150	TYR	C-O	18.44	1.47	1.24
1	2I	150	TYR	C-O	18.44	1.47	1.24
1	3A	150	TYR	C-O	18.44	1.47	1.24
1	3I	150	TYR	C-O	18.44	1.47	1.24
1	32	150	TYR	C-O	18.44	1.47	1.24
1	4E	150	TYR	C-O	18.44	1.47	1.24
1	4Y	150	TYR	C-O	18.44	1.47	1.24
1	5U	150	TYR	C-O	18.44	1.47	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	150	TYR	C-O	18.44	1.47	1.24
1	6U	150	TYR	C-O	18.44	1.47	1.24
1	7E	150	TYR	C-O	18.44	1.47	1.24
1	7Q	150	TYR	C-O	18.44	1.47	1.24
2	1N	69	SER	CB-OG	-18.43	1.05	1.42
2	2J	69	SER	CB-OG	-18.43	1.05	1.42
2	3B	69	SER	CB-OG	-18.43	1.05	1.42
2	3J	69	SER	CB-OG	-18.43	1.05	1.42
2	33	69	SER	CB-OG	-18.43	1.05	1.42
2	4F	69	SER	CB-OG	-18.43	1.05	1.42
2	4Z	69	SER	CB-OG	-18.43	1.05	1.42
2	5V	69	SER	CB-OG	-18.43	1.05	1.42
2	6N	69	SER	CB-OG	-18.43	1.05	1.42
2	6V	69	SER	CB-OG	-18.43	1.05	1.42
2	7F	69	SER	CB-OG	-18.43	1.05	1.42
2	7R	69	SER	CB-OG	-18.43	1.05	1.42
2	1F	75	GLN	C-N	18.43	1.63	1.33
2	2N	75	GLN	C-N	18.43	1.63	1.33
2	23	75	GLN	C-N	18.43	1.63	1.33
2	3N	75	GLN	C-N	18.43	1.63	1.33
2	37	75	GLN	C-N	18.43	1.63	1.33
2	4J	75	GLN	C-N	18.43	1.63	1.33
2	4R	75	GLN	C-N	18.43	1.63	1.33
2	5Z	75	GLN	C-N	18.43	1.63	1.33
2	6F	75	GLN	C-N	18.43	1.63	1.33
2	6Z	75	GLN	C-N	18.43	1.63	1.33
2	7J	75	GLN	C-N	18.43	1.63	1.33
2	7V	75	GLN	C-N	18.43	1.63	1.33
2	1N	75	GLN	C-N	18.43	1.63	1.33
1	1Q	150	TYR	C-O	18.43	1.47	1.24
1	1U	150	TYR	C-O	18.43	1.47	1.24
1	1Y	150	TYR	C-O	18.43	1.47	1.24
2	2J	75	GLN	C-N	18.43	1.63	1.33
1	2Q	150	TYR	C-O	18.43	1.47	1.24
1	2U	150	TYR	C-O	18.43	1.47	1.24
1	2Y	150	TYR	C-O	18.43	1.47	1.24
2	3B	75	GLN	C-N	18.43	1.63	1.33
2	3J	75	GLN	C-N	18.43	1.63	1.33
2	33	75	GLN	C-N	18.43	1.63	1.33
2	4F	75	GLN	C-N	18.43	1.63	1.33
2	4Z	75	GLN	C-N	18.43	1.63	1.33
1	42	150	TYR	C-O	18.43	1.47	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	46	150	TYR	C-O	18.43	1.47	1.24
1	5A	150	TYR	C-O	18.43	1.47	1.24
2	5V	75	GLN	C-N	18.43	1.63	1.33
1	52	150	TYR	C-O	18.43	1.47	1.24
1	56	150	TYR	C-O	18.43	1.47	1.24
1	6A	150	TYR	C-O	18.43	1.47	1.24
2	6N	75	GLN	C-N	18.43	1.63	1.33
2	6V	75	GLN	C-N	18.43	1.63	1.33
2	7F	75	GLN	C-N	18.43	1.63	1.33
2	7R	75	GLN	C-N	18.43	1.63	1.33
2	1B	75	GLN	C-N	18.42	1.63	1.33
2	1J	75	GLN	C-N	18.42	1.63	1.33
2	2F	75	GLN	C-N	18.42	1.63	1.33
2	27	75	GLN	C-N	18.42	1.63	1.33
2	3F	75	GLN	C-N	18.42	1.63	1.33
2	4B	75	GLN	C-N	18.42	1.63	1.33
2	4N	75	GLN	C-N	18.42	1.63	1.33
2	4V	75	GLN	C-N	18.42	1.63	1.33
2	5R	75	GLN	C-N	18.42	1.63	1.33
2	6J	75	GLN	C-N	18.42	1.63	1.33
2	6R	75	GLN	C-N	18.42	1.63	1.33
2	7N	75	GLN	C-N	18.42	1.63	1.33
1	12	150	TYR	C-O	18.41	1.47	1.24
1	16	150	TYR	C-O	18.41	1.47	1.24
1	2A	150	TYR	C-O	18.41	1.47	1.24
1	3Q	150	TYR	C-O	18.41	1.47	1.24
1	3U	150	TYR	C-O	18.41	1.47	1.24
1	3Y	150	TYR	C-O	18.41	1.47	1.24
1	5E	150	TYR	C-O	18.41	1.47	1.24
1	5I	150	TYR	C-O	18.41	1.47	1.24
1	5M	150	TYR	C-O	18.41	1.47	1.24
1	62	150	TYR	C-O	18.41	1.47	1.24
1	66	150	TYR	C-O	18.41	1.47	1.24
1	7A	150	TYR	C-O	18.41	1.47	1.24
1	12	150	TYR	CE2-CZ	18.40	1.82	1.38
1	16	150	TYR	CE2-CZ	18.40	1.82	1.38
1	2A	150	TYR	CE2-CZ	18.40	1.82	1.38
1	3Q	150	TYR	CE2-CZ	18.40	1.82	1.38
1	3U	150	TYR	CE2-CZ	18.40	1.82	1.38
1	3Y	150	TYR	CE2-CZ	18.40	1.82	1.38
1	5E	150	TYR	CE2-CZ	18.40	1.82	1.38
1	5I	150	TYR	CE2-CZ	18.40	1.82	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	150	TYR	CE2-CZ	18.40	1.82	1.38
1	62	150	TYR	CE2-CZ	18.40	1.82	1.38
1	66	150	TYR	CE2-CZ	18.40	1.82	1.38
1	7A	150	TYR	CE2-CZ	18.40	1.82	1.38
2	13	75	GLN	C-N	18.40	1.63	1.33
2	17	75	GLN	C-N	18.40	1.63	1.33
2	2B	75	GLN	C-N	18.40	1.63	1.33
2	3R	75	GLN	C-N	18.40	1.63	1.33
2	3V	75	GLN	C-N	18.40	1.63	1.33
2	3Z	75	GLN	C-N	18.40	1.63	1.33
2	5F	75	GLN	C-N	18.40	1.63	1.33
2	5J	75	GLN	C-N	18.40	1.63	1.33
2	5N	75	GLN	C-N	18.40	1.63	1.33
2	63	75	GLN	C-N	18.40	1.63	1.33
2	67	75	GLN	C-N	18.40	1.63	1.33
2	7B	75	GLN	C-N	18.40	1.63	1.33
1	1A	150	TYR	C-O	18.39	1.47	1.24
1	1I	150	TYR	C-O	18.39	1.47	1.24
1	2E	150	TYR	C-O	18.39	1.47	1.24
1	26	150	TYR	C-O	18.39	1.47	1.24
1	3E	150	TYR	C-O	18.39	1.47	1.24
1	4A	150	TYR	C-O	18.39	1.47	1.24
1	4M	150	TYR	C-O	18.39	1.47	1.24
1	4U	150	TYR	C-O	18.39	1.47	1.24
1	5Q	150	TYR	C-O	18.39	1.47	1.24
1	6I	150	TYR	C-O	18.39	1.47	1.24
1	6Q	150	TYR	C-O	18.39	1.47	1.24
1	7M	150	TYR	C-O	18.39	1.47	1.24
1	1E	150	TYR	CE2-CZ	18.39	1.82	1.38
1	2M	150	TYR	CE2-CZ	18.39	1.82	1.38
1	22	150	TYR	CE2-CZ	18.39	1.82	1.38
1	3M	150	TYR	CE2-CZ	18.39	1.82	1.38
1	36	150	TYR	CE2-CZ	18.39	1.82	1.38
1	4I	150	TYR	CE2-CZ	18.39	1.82	1.38
1	4Q	150	TYR	CE2-CZ	18.39	1.82	1.38
1	5Y	150	TYR	CE2-CZ	18.39	1.82	1.38
1	6E	150	TYR	CE2-CZ	18.39	1.82	1.38
1	6Y	150	TYR	CE2-CZ	18.39	1.82	1.38
1	7I	150	TYR	CE2-CZ	18.39	1.82	1.38
1	7U	150	TYR	CE2-CZ	18.39	1.82	1.38
1	1A	150	TYR	CE2-CZ	18.38	1.82	1.38
1	1I	150	TYR	CE2-CZ	18.38	1.82	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	150	TYR	CE2-CZ	18.38	1.82	1.38
1	26	150	TYR	CE2-CZ	18.38	1.82	1.38
1	3E	150	TYR	CE2-CZ	18.38	1.82	1.38
1	4A	150	TYR	CE2-CZ	18.38	1.82	1.38
1	4M	150	TYR	CE2-CZ	18.38	1.82	1.38
1	4U	150	TYR	CE2-CZ	18.38	1.82	1.38
1	5Q	150	TYR	CE2-CZ	18.38	1.82	1.38
1	6I	150	TYR	CE2-CZ	18.38	1.82	1.38
1	6Q	150	TYR	CE2-CZ	18.38	1.82	1.38
1	7M	150	TYR	CE2-CZ	18.38	1.82	1.38
1	1Q	150	TYR	CE2-CZ	18.37	1.82	1.38
1	1U	150	TYR	CE2-CZ	18.37	1.82	1.38
1	1Y	150	TYR	CE2-CZ	18.37	1.82	1.38
1	2Q	150	TYR	CE2-CZ	18.37	1.82	1.38
1	2U	150	TYR	CE2-CZ	18.37	1.82	1.38
1	2Y	150	TYR	CE2-CZ	18.37	1.82	1.38
1	42	150	TYR	CE2-CZ	18.37	1.82	1.38
1	46	150	TYR	CE2-CZ	18.37	1.82	1.38
1	5A	150	TYR	CE2-CZ	18.37	1.82	1.38
1	52	150	TYR	CE2-CZ	18.37	1.82	1.38
1	56	150	TYR	CE2-CZ	18.37	1.82	1.38
1	6A	150	TYR	CE2-CZ	18.37	1.82	1.38
1	1M	150	TYR	CE2-CZ	18.36	1.82	1.38
1	2I	150	TYR	CE2-CZ	18.36	1.82	1.38
1	3A	150	TYR	CE2-CZ	18.36	1.82	1.38
1	3I	150	TYR	CE2-CZ	18.36	1.82	1.38
1	32	150	TYR	CE2-CZ	18.36	1.82	1.38
1	4E	150	TYR	CE2-CZ	18.36	1.82	1.38
1	4Y	150	TYR	CE2-CZ	18.36	1.82	1.38
1	5U	150	TYR	CE2-CZ	18.36	1.82	1.38
1	6M	150	TYR	CE2-CZ	18.36	1.82	1.38
1	6U	150	TYR	CE2-CZ	18.36	1.82	1.38
1	7E	150	TYR	CE2-CZ	18.36	1.82	1.38
1	7Q	150	TYR	CE2-CZ	18.36	1.82	1.38
1	1E	150	TYR	C-O	18.36	1.47	1.24
1	2M	150	TYR	C-O	18.36	1.47	1.24
1	22	150	TYR	C-O	18.36	1.47	1.24
1	3M	150	TYR	C-O	18.36	1.47	1.24
1	36	150	TYR	C-O	18.36	1.47	1.24
1	4I	150	TYR	C-O	18.36	1.47	1.24
1	4Q	150	TYR	C-O	18.36	1.47	1.24
1	5Y	150	TYR	C-O	18.36	1.47	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	150	TYR	C-O	18.36	1.47	1.24
1	6Y	150	TYR	C-O	18.36	1.47	1.24
1	7I	150	TYR	C-O	18.36	1.47	1.24
1	7U	150	TYR	C-O	18.36	1.47	1.24
1	1M	181	THR	C-O	-18.34	1.00	1.24
1	1Q	181	THR	C-O	-18.34	1.00	1.24
1	1U	181	THR	C-O	-18.34	1.00	1.24
1	1Y	181	THR	C-O	-18.34	1.00	1.24
1	2I	181	THR	C-O	-18.34	1.00	1.24
1	2Q	181	THR	C-O	-18.34	1.00	1.24
1	2U	181	THR	C-O	-18.34	1.00	1.24
1	2Y	181	THR	C-O	-18.34	1.00	1.24
1	3A	181	THR	C-O	-18.34	1.00	1.24
1	3I	181	THR	C-O	-18.34	1.00	1.24
1	32	181	THR	C-O	-18.34	1.00	1.24
1	4E	181	THR	C-O	-18.34	1.00	1.24
1	4Y	181	THR	C-O	-18.34	1.00	1.24
1	42	181	THR	C-O	-18.34	1.00	1.24
1	46	181	THR	C-O	-18.34	1.00	1.24
1	5A	181	THR	C-O	-18.34	1.00	1.24
1	5U	181	THR	C-O	-18.34	1.00	1.24
1	52	181	THR	C-O	-18.34	1.00	1.24
1	56	181	THR	C-O	-18.34	1.00	1.24
1	6A	181	THR	C-O	-18.34	1.00	1.24
1	6M	181	THR	C-O	-18.34	1.00	1.24
1	6U	181	THR	C-O	-18.34	1.00	1.24
1	7E	181	THR	C-O	-18.34	1.00	1.24
1	7Q	181	THR	C-O	-18.34	1.00	1.24
1	1E	181	THR	C-O	-18.32	1.00	1.24
1	2M	181	THR	C-O	-18.32	1.00	1.24
1	22	181	THR	C-O	-18.32	1.00	1.24
1	3M	181	THR	C-O	-18.32	1.00	1.24
1	36	181	THR	C-O	-18.32	1.00	1.24
1	4I	181	THR	C-O	-18.32	1.00	1.24
1	4Q	181	THR	C-O	-18.32	1.00	1.24
1	5Y	181	THR	C-O	-18.32	1.00	1.24
1	6E	181	THR	C-O	-18.32	1.00	1.24
1	6Y	181	THR	C-O	-18.32	1.00	1.24
1	7I	181	THR	C-O	-18.32	1.00	1.24
1	7U	181	THR	C-O	-18.32	1.00	1.24
1	1A	181	THR	C-O	-18.32	1.00	1.24
1	1I	181	THR	C-O	-18.32	1.00	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	181	THR	C-O	-18.32	1.00	1.24
1	26	181	THR	C-O	-18.32	1.00	1.24
1	3E	181	THR	C-O	-18.32	1.00	1.24
1	4A	181	THR	C-O	-18.32	1.00	1.24
1	4M	181	THR	C-O	-18.32	1.00	1.24
1	4U	181	THR	C-O	-18.32	1.00	1.24
1	5Q	181	THR	C-O	-18.32	1.00	1.24
1	6I	181	THR	C-O	-18.32	1.00	1.24
1	6Q	181	THR	C-O	-18.32	1.00	1.24
1	7M	181	THR	C-O	-18.32	1.00	1.24
1	12	181	THR	C-O	-18.29	1.00	1.24
1	16	181	THR	C-O	-18.29	1.00	1.24
1	2A	181	THR	C-O	-18.29	1.00	1.24
1	3Q	181	THR	C-O	-18.29	1.00	1.24
1	3U	181	THR	C-O	-18.29	1.00	1.24
1	3Y	181	THR	C-O	-18.29	1.00	1.24
1	5E	181	THR	C-O	-18.29	1.00	1.24
1	5I	181	THR	C-O	-18.29	1.00	1.24
1	5M	181	THR	C-O	-18.29	1.00	1.24
1	62	181	THR	C-O	-18.29	1.00	1.24
1	66	181	THR	C-O	-18.29	1.00	1.24
1	7A	181	THR	C-O	-18.29	1.00	1.24
2	13	215	GLN	CD-OE1	-18.29	0.88	1.23
2	17	215	GLN	CD-OE1	-18.29	0.88	1.23
2	2B	215	GLN	CD-OE1	-18.29	0.88	1.23
2	3R	215	GLN	CD-OE1	-18.29	0.88	1.23
2	3V	215	GLN	CD-OE1	-18.29	0.88	1.23
2	3Z	215	GLN	CD-OE1	-18.29	0.88	1.23
2	5F	215	GLN	CD-OE1	-18.29	0.88	1.23
2	5J	215	GLN	CD-OE1	-18.29	0.88	1.23
2	5N	215	GLN	CD-OE1	-18.29	0.88	1.23
2	63	215	GLN	CD-OE1	-18.29	0.88	1.23
2	67	215	GLN	CD-OE1	-18.29	0.88	1.23
2	7B	215	GLN	CD-OE1	-18.29	0.88	1.23
2	1N	215	GLN	CD-OE1	-18.28	0.88	1.23
2	2J	215	GLN	CD-OE1	-18.28	0.88	1.23
2	3B	215	GLN	CD-OE1	-18.28	0.88	1.23
2	3J	215	GLN	CD-OE1	-18.28	0.88	1.23
2	33	215	GLN	CD-OE1	-18.28	0.88	1.23
2	4F	215	GLN	CD-OE1	-18.28	0.88	1.23
2	4Z	215	GLN	CD-OE1	-18.28	0.88	1.23
2	5V	215	GLN	CD-OE1	-18.28	0.88	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	215	GLN	CD-OE1	-18.28	0.88	1.23
2	6V	215	GLN	CD-OE1	-18.28	0.88	1.23
2	7F	215	GLN	CD-OE1	-18.28	0.88	1.23
2	7R	215	GLN	CD-OE1	-18.28	0.88	1.23
2	1R	215	GLN	CD-OE1	-18.27	0.88	1.23
2	1V	215	GLN	CD-OE1	-18.27	0.88	1.23
2	1Z	215	GLN	CD-OE1	-18.27	0.88	1.23
2	2R	215	GLN	CD-OE1	-18.27	0.88	1.23
2	2V	215	GLN	CD-OE1	-18.27	0.88	1.23
2	2Z	215	GLN	CD-OE1	-18.27	0.88	1.23
2	43	215	GLN	CD-OE1	-18.27	0.88	1.23
2	47	215	GLN	CD-OE1	-18.27	0.88	1.23
2	5B	215	GLN	CD-OE1	-18.27	0.88	1.23
2	53	215	GLN	CD-OE1	-18.27	0.88	1.23
2	57	215	GLN	CD-OE1	-18.27	0.88	1.23
2	6B	215	GLN	CD-OE1	-18.27	0.88	1.23
2	1B	215	GLN	CD-OE1	-18.27	0.88	1.23
2	1J	215	GLN	CD-OE1	-18.27	0.88	1.23
2	2F	215	GLN	CD-OE1	-18.27	0.88	1.23
2	27	215	GLN	CD-OE1	-18.27	0.88	1.23
2	3F	215	GLN	CD-OE1	-18.27	0.88	1.23
2	4B	215	GLN	CD-OE1	-18.27	0.88	1.23
2	4N	215	GLN	CD-OE1	-18.27	0.88	1.23
2	4V	215	GLN	CD-OE1	-18.27	0.88	1.23
2	5R	215	GLN	CD-OE1	-18.27	0.88	1.23
2	6J	215	GLN	CD-OE1	-18.27	0.88	1.23
2	6R	215	GLN	CD-OE1	-18.27	0.88	1.23
2	7N	215	GLN	CD-OE1	-18.27	0.88	1.23
2	1F	215	GLN	CD-OE1	-18.26	0.88	1.23
2	2N	215	GLN	CD-OE1	-18.26	0.88	1.23
2	23	215	GLN	CD-OE1	-18.26	0.88	1.23
2	3N	215	GLN	CD-OE1	-18.26	0.88	1.23
2	37	215	GLN	CD-OE1	-18.26	0.88	1.23
2	4J	215	GLN	CD-OE1	-18.26	0.88	1.23
2	4R	215	GLN	CD-OE1	-18.26	0.88	1.23
2	5Z	215	GLN	CD-OE1	-18.26	0.88	1.23
2	6F	215	GLN	CD-OE1	-18.26	0.88	1.23
2	6Z	215	GLN	CD-OE1	-18.26	0.88	1.23
2	7J	215	GLN	CD-OE1	-18.26	0.88	1.23
2	7V	215	GLN	CD-OE1	-18.26	0.88	1.23
1	12	84	ARG	CZ-NH1	18.17	1.58	1.32
1	16	84	ARG	CZ-NH1	18.17	1.58	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	84	ARG	CZ-NH1	18.17	1.58	1.32
1	3Q	84	ARG	CZ-NH1	18.17	1.58	1.32
1	3U	84	ARG	CZ-NH1	18.17	1.58	1.32
1	3Y	84	ARG	CZ-NH1	18.17	1.58	1.32
1	5E	84	ARG	CZ-NH1	18.17	1.58	1.32
1	5I	84	ARG	CZ-NH1	18.17	1.58	1.32
1	5M	84	ARG	CZ-NH1	18.17	1.58	1.32
1	62	84	ARG	CZ-NH1	18.17	1.58	1.32
1	66	84	ARG	CZ-NH1	18.17	1.58	1.32
1	7A	84	ARG	CZ-NH1	18.17	1.58	1.32
1	1M	84	ARG	CZ-NH1	18.15	1.58	1.32
1	1Q	84	ARG	CZ-NH1	18.15	1.58	1.32
1	1U	84	ARG	CZ-NH1	18.15	1.58	1.32
1	1Y	84	ARG	CZ-NH1	18.15	1.58	1.32
1	2I	84	ARG	CZ-NH1	18.15	1.58	1.32
1	2Q	84	ARG	CZ-NH1	18.15	1.58	1.32
1	2U	84	ARG	CZ-NH1	18.15	1.58	1.32
1	2Y	84	ARG	CZ-NH1	18.15	1.58	1.32
1	3A	84	ARG	CZ-NH1	18.15	1.58	1.32
1	3I	84	ARG	CZ-NH1	18.15	1.58	1.32
1	32	84	ARG	CZ-NH1	18.15	1.58	1.32
1	4E	84	ARG	CZ-NH1	18.15	1.58	1.32
1	4Y	84	ARG	CZ-NH1	18.15	1.58	1.32
1	42	84	ARG	CZ-NH1	18.15	1.58	1.32
1	46	84	ARG	CZ-NH1	18.15	1.58	1.32
1	5A	84	ARG	CZ-NH1	18.15	1.58	1.32
1	5U	84	ARG	CZ-NH1	18.15	1.58	1.32
1	52	84	ARG	CZ-NH1	18.15	1.58	1.32
1	56	84	ARG	CZ-NH1	18.15	1.58	1.32
1	6A	84	ARG	CZ-NH1	18.15	1.58	1.32
1	6M	84	ARG	CZ-NH1	18.15	1.58	1.32
1	6U	84	ARG	CZ-NH1	18.15	1.58	1.32
1	7E	84	ARG	CZ-NH1	18.15	1.58	1.32
1	7Q	84	ARG	CZ-NH1	18.15	1.58	1.32
1	1A	84	ARG	CZ-NH1	18.15	1.58	1.32
1	1I	84	ARG	CZ-NH1	18.15	1.58	1.32
1	2E	84	ARG	CZ-NH1	18.15	1.58	1.32
1	26	84	ARG	CZ-NH1	18.15	1.58	1.32
1	3E	84	ARG	CZ-NH1	18.15	1.58	1.32
1	4A	84	ARG	CZ-NH1	18.15	1.58	1.32
1	4M	84	ARG	CZ-NH1	18.15	1.58	1.32
1	4U	84	ARG	CZ-NH1	18.15	1.58	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	84	ARG	CZ-NH1	18.15	1.58	1.32
1	6I	84	ARG	CZ-NH1	18.15	1.58	1.32
1	6Q	84	ARG	CZ-NH1	18.15	1.58	1.32
1	7M	84	ARG	CZ-NH1	18.15	1.58	1.32
1	1E	84	ARG	CZ-NH1	18.15	1.58	1.32
1	2M	84	ARG	CZ-NH1	18.15	1.58	1.32
1	22	84	ARG	CZ-NH1	18.15	1.58	1.32
1	3M	84	ARG	CZ-NH1	18.15	1.58	1.32
1	36	84	ARG	CZ-NH1	18.15	1.58	1.32
1	4I	84	ARG	CZ-NH1	18.15	1.58	1.32
1	4Q	84	ARG	CZ-NH1	18.15	1.58	1.32
1	5Y	84	ARG	CZ-NH1	18.15	1.58	1.32
1	6E	84	ARG	CZ-NH1	18.15	1.58	1.32
1	6Y	84	ARG	CZ-NH1	18.15	1.58	1.32
1	7I	84	ARG	CZ-NH1	18.15	1.58	1.32
1	7U	84	ARG	CZ-NH1	18.15	1.58	1.32
1	1E	156	SER	CB-OG	18.14	1.78	1.42
1	2M	156	SER	CB-OG	18.14	1.78	1.42
1	22	156	SER	CB-OG	18.14	1.78	1.42
1	3M	156	SER	CB-OG	18.14	1.78	1.42
1	36	156	SER	CB-OG	18.14	1.78	1.42
1	4I	156	SER	CB-OG	18.14	1.78	1.42
1	4Q	156	SER	CB-OG	18.14	1.78	1.42
1	5Y	156	SER	CB-OG	18.14	1.78	1.42
1	6E	156	SER	CB-OG	18.14	1.78	1.42
1	6Y	156	SER	CB-OG	18.14	1.78	1.42
1	7I	156	SER	CB-OG	18.14	1.78	1.42
1	7U	156	SER	CB-OG	18.14	1.78	1.42
2	1B	24	PRO	N-CD	18.13	1.73	1.47
2	1J	24	PRO	N-CD	18.13	1.73	1.47
2	2F	24	PRO	N-CD	18.13	1.73	1.47
2	27	24	PRO	N-CD	18.13	1.73	1.47
2	3F	24	PRO	N-CD	18.13	1.73	1.47
2	4B	24	PRO	N-CD	18.13	1.73	1.47
2	4N	24	PRO	N-CD	18.13	1.73	1.47
2	4V	24	PRO	N-CD	18.13	1.73	1.47
2	5R	24	PRO	N-CD	18.13	1.73	1.47
2	6J	24	PRO	N-CD	18.13	1.73	1.47
2	6R	24	PRO	N-CD	18.13	1.73	1.47
2	7N	24	PRO	N-CD	18.13	1.73	1.47
2	13	24	PRO	N-CD	18.11	1.73	1.47
2	17	24	PRO	N-CD	18.11	1.73	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	24	PRO	N-CD	18.11	1.73	1.47
2	3R	24	PRO	N-CD	18.11	1.73	1.47
2	3V	24	PRO	N-CD	18.11	1.73	1.47
2	3Z	24	PRO	N-CD	18.11	1.73	1.47
2	5F	24	PRO	N-CD	18.11	1.73	1.47
2	5J	24	PRO	N-CD	18.11	1.73	1.47
2	5N	24	PRO	N-CD	18.11	1.73	1.47
2	63	24	PRO	N-CD	18.11	1.73	1.47
2	67	24	PRO	N-CD	18.11	1.73	1.47
2	7B	24	PRO	N-CD	18.11	1.73	1.47
2	1F	24	PRO	N-CD	18.10	1.73	1.47
2	2N	24	PRO	N-CD	18.10	1.73	1.47
2	23	24	PRO	N-CD	18.10	1.73	1.47
2	3N	24	PRO	N-CD	18.10	1.73	1.47
2	37	24	PRO	N-CD	18.10	1.73	1.47
2	4J	24	PRO	N-CD	18.10	1.73	1.47
2	4R	24	PRO	N-CD	18.10	1.73	1.47
2	5Z	24	PRO	N-CD	18.10	1.73	1.47
2	6F	24	PRO	N-CD	18.10	1.73	1.47
2	6Z	24	PRO	N-CD	18.10	1.73	1.47
2	7J	24	PRO	N-CD	18.10	1.73	1.47
2	7V	24	PRO	N-CD	18.10	1.73	1.47
1	1M	156	SER	CB-OG	18.09	1.78	1.42
1	12	156	SER	CB-OG	18.09	1.78	1.42
1	16	156	SER	CB-OG	18.09	1.78	1.42
1	2A	156	SER	CB-OG	18.09	1.78	1.42
1	2I	156	SER	CB-OG	18.09	1.78	1.42
1	3A	156	SER	CB-OG	18.09	1.78	1.42
1	3I	156	SER	CB-OG	18.09	1.78	1.42
1	3Q	156	SER	CB-OG	18.09	1.78	1.42
1	3U	156	SER	CB-OG	18.09	1.78	1.42
1	3Y	156	SER	CB-OG	18.09	1.78	1.42
1	32	156	SER	CB-OG	18.09	1.78	1.42
1	4E	156	SER	CB-OG	18.09	1.78	1.42
1	4Y	156	SER	CB-OG	18.09	1.78	1.42
1	5E	156	SER	CB-OG	18.09	1.78	1.42
1	5I	156	SER	CB-OG	18.09	1.78	1.42
1	5M	156	SER	CB-OG	18.09	1.78	1.42
1	5U	156	SER	CB-OG	18.09	1.78	1.42
1	6M	156	SER	CB-OG	18.09	1.78	1.42
1	6U	156	SER	CB-OG	18.09	1.78	1.42
1	62	156	SER	CB-OG	18.09	1.78	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	156	SER	CB-OG	18.09	1.78	1.42
1	7A	156	SER	CB-OG	18.09	1.78	1.42
1	7E	156	SER	CB-OG	18.09	1.78	1.42
1	7Q	156	SER	CB-OG	18.09	1.78	1.42
1	1A	156	SER	CB-OG	18.09	1.78	1.42
1	1I	156	SER	CB-OG	18.09	1.78	1.42
1	2E	156	SER	CB-OG	18.09	1.78	1.42
1	26	156	SER	CB-OG	18.09	1.78	1.42
1	3E	156	SER	CB-OG	18.09	1.78	1.42
1	4A	156	SER	CB-OG	18.09	1.78	1.42
1	4M	156	SER	CB-OG	18.09	1.78	1.42
1	4U	156	SER	CB-OG	18.09	1.78	1.42
1	5Q	156	SER	CB-OG	18.09	1.78	1.42
1	6I	156	SER	CB-OG	18.09	1.78	1.42
1	6Q	156	SER	CB-OG	18.09	1.78	1.42
1	7M	156	SER	CB-OG	18.09	1.78	1.42
1	1Q	156	SER	CB-OG	18.09	1.78	1.42
1	1U	156	SER	CB-OG	18.09	1.78	1.42
1	1Y	156	SER	CB-OG	18.09	1.78	1.42
1	2Q	156	SER	CB-OG	18.09	1.78	1.42
1	2U	156	SER	CB-OG	18.09	1.78	1.42
1	2Y	156	SER	CB-OG	18.09	1.78	1.42
1	42	156	SER	CB-OG	18.09	1.78	1.42
1	46	156	SER	CB-OG	18.09	1.78	1.42
1	5A	156	SER	CB-OG	18.09	1.78	1.42
1	52	156	SER	CB-OG	18.09	1.78	1.42
1	56	156	SER	CB-OG	18.09	1.78	1.42
1	6A	156	SER	CB-OG	18.09	1.78	1.42
1	1E	24	VAL	C-O	18.09	1.45	1.24
2	1N	24	PRO	N-CD	18.09	1.73	1.47
2	2J	24	PRO	N-CD	18.09	1.73	1.47
1	2M	24	VAL	C-O	18.09	1.45	1.24
1	22	24	VAL	C-O	18.09	1.45	1.24
2	3B	24	PRO	N-CD	18.09	1.73	1.47
2	3J	24	PRO	N-CD	18.09	1.73	1.47
1	3M	24	VAL	C-O	18.09	1.45	1.24
2	33	24	PRO	N-CD	18.09	1.73	1.47
1	36	24	VAL	C-O	18.09	1.45	1.24
2	4F	24	PRO	N-CD	18.09	1.73	1.47
1	4I	24	VAL	C-O	18.09	1.45	1.24
1	4Q	24	VAL	C-O	18.09	1.45	1.24
2	4Z	24	PRO	N-CD	18.09	1.73	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5V	24	PRO	N-CD	18.09	1.73	1.47
1	5Y	24	VAL	C-O	18.09	1.45	1.24
1	6E	24	VAL	C-O	18.09	1.45	1.24
2	6N	24	PRO	N-CD	18.09	1.73	1.47
2	6V	24	PRO	N-CD	18.09	1.73	1.47
1	6Y	24	VAL	C-O	18.09	1.45	1.24
2	7F	24	PRO	N-CD	18.09	1.73	1.47
1	7I	24	VAL	C-O	18.09	1.45	1.24
2	7R	24	PRO	N-CD	18.09	1.73	1.47
1	7U	24	VAL	C-O	18.09	1.45	1.24
2	1R	24	PRO	N-CD	18.08	1.73	1.47
2	1V	24	PRO	N-CD	18.08	1.73	1.47
2	1Z	24	PRO	N-CD	18.08	1.73	1.47
2	2R	24	PRO	N-CD	18.08	1.73	1.47
2	2V	24	PRO	N-CD	18.08	1.73	1.47
2	2Z	24	PRO	N-CD	18.08	1.73	1.47
2	43	24	PRO	N-CD	18.08	1.73	1.47
2	47	24	PRO	N-CD	18.08	1.73	1.47
2	5B	24	PRO	N-CD	18.08	1.73	1.47
2	53	24	PRO	N-CD	18.08	1.73	1.47
2	57	24	PRO	N-CD	18.08	1.73	1.47
2	6B	24	PRO	N-CD	18.08	1.73	1.47
1	12	24	VAL	C-O	18.07	1.45	1.24
1	16	24	VAL	C-O	18.07	1.45	1.24
1	2A	24	VAL	C-O	18.07	1.45	1.24
1	3Q	24	VAL	C-O	18.07	1.45	1.24
1	3U	24	VAL	C-O	18.07	1.45	1.24
1	3Y	24	VAL	C-O	18.07	1.45	1.24
1	5E	24	VAL	C-O	18.07	1.45	1.24
1	5I	24	VAL	C-O	18.07	1.45	1.24
1	5M	24	VAL	C-O	18.07	1.45	1.24
1	62	24	VAL	C-O	18.07	1.45	1.24
1	66	24	VAL	C-O	18.07	1.45	1.24
1	7A	24	VAL	C-O	18.07	1.45	1.24
1	1A	24	VAL	C-O	18.06	1.45	1.24
1	1I	24	VAL	C-O	18.06	1.45	1.24
1	2E	24	VAL	C-O	18.06	1.45	1.24
1	26	24	VAL	C-O	18.06	1.45	1.24
1	3E	24	VAL	C-O	18.06	1.45	1.24
1	4A	24	VAL	C-O	18.06	1.45	1.24
1	4M	24	VAL	C-O	18.06	1.45	1.24
1	4U	24	VAL	C-O	18.06	1.45	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	24	VAL	C-O	18.06	1.45	1.24
1	6I	24	VAL	C-O	18.06	1.45	1.24
1	6Q	24	VAL	C-O	18.06	1.45	1.24
1	7M	24	VAL	C-O	18.06	1.45	1.24
2	1R	36	SER	CA-CB	18.04	1.82	1.53
2	1V	36	SER	CA-CB	18.04	1.82	1.53
2	1Z	36	SER	CA-CB	18.04	1.82	1.53
2	2R	36	SER	CA-CB	18.04	1.82	1.53
2	2V	36	SER	CA-CB	18.04	1.82	1.53
2	2Z	36	SER	CA-CB	18.04	1.82	1.53
2	43	36	SER	CA-CB	18.04	1.82	1.53
2	47	36	SER	CA-CB	18.04	1.82	1.53
2	5B	36	SER	CA-CB	18.04	1.82	1.53
2	53	36	SER	CA-CB	18.04	1.82	1.53
2	57	36	SER	CA-CB	18.04	1.82	1.53
2	6B	36	SER	CA-CB	18.04	1.82	1.53
1	1M	24	VAL	C-O	18.03	1.45	1.24
1	2I	24	VAL	C-O	18.03	1.45	1.24
1	3A	24	VAL	C-O	18.03	1.45	1.24
1	3I	24	VAL	C-O	18.03	1.45	1.24
1	32	24	VAL	C-O	18.03	1.45	1.24
1	4E	24	VAL	C-O	18.03	1.45	1.24
1	4Y	24	VAL	C-O	18.03	1.45	1.24
1	5U	24	VAL	C-O	18.03	1.45	1.24
1	6M	24	VAL	C-O	18.03	1.45	1.24
1	6U	24	VAL	C-O	18.03	1.45	1.24
1	7E	24	VAL	C-O	18.03	1.45	1.24
1	7Q	24	VAL	C-O	18.03	1.45	1.24
1	1Q	24	VAL	C-O	18.02	1.45	1.24
1	1U	24	VAL	C-O	18.02	1.45	1.24
1	1Y	24	VAL	C-O	18.02	1.45	1.24
1	2Q	24	VAL	C-O	18.02	1.45	1.24
1	2U	24	VAL	C-O	18.02	1.45	1.24
1	2Y	24	VAL	C-O	18.02	1.45	1.24
1	42	24	VAL	C-O	18.02	1.45	1.24
1	46	24	VAL	C-O	18.02	1.45	1.24
1	5A	24	VAL	C-O	18.02	1.45	1.24
1	52	24	VAL	C-O	18.02	1.45	1.24
1	56	24	VAL	C-O	18.02	1.45	1.24
1	6A	24	VAL	C-O	18.02	1.45	1.24
2	1N	36	SER	CA-CB	18.02	1.82	1.53
2	2J	36	SER	CA-CB	18.02	1.82	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	36	SER	CA-CB	18.02	1.82	1.53
2	3J	36	SER	CA-CB	18.02	1.82	1.53
2	33	36	SER	CA-CB	18.02	1.82	1.53
2	4F	36	SER	CA-CB	18.02	1.82	1.53
2	4Z	36	SER	CA-CB	18.02	1.82	1.53
2	5V	36	SER	CA-CB	18.02	1.82	1.53
2	6N	36	SER	CA-CB	18.02	1.82	1.53
2	6V	36	SER	CA-CB	18.02	1.82	1.53
2	7F	36	SER	CA-CB	18.02	1.82	1.53
2	7R	36	SER	CA-CB	18.02	1.82	1.53
1	1M	182	PHE	N-CA	18.02	1.72	1.46
2	13	36	SER	CA-CB	18.02	1.82	1.53
2	17	36	SER	CA-CB	18.02	1.82	1.53
2	2B	36	SER	CA-CB	18.02	1.82	1.53
1	2I	182	PHE	N-CA	18.02	1.72	1.46
1	3A	182	PHE	N-CA	18.02	1.72	1.46
1	3I	182	PHE	N-CA	18.02	1.72	1.46
2	3R	36	SER	CA-CB	18.02	1.82	1.53
2	3V	36	SER	CA-CB	18.02	1.82	1.53
2	3Z	36	SER	CA-CB	18.02	1.82	1.53
1	32	182	PHE	N-CA	18.02	1.72	1.46
1	4E	182	PHE	N-CA	18.02	1.72	1.46
1	4Y	182	PHE	N-CA	18.02	1.72	1.46
2	5F	36	SER	CA-CB	18.02	1.82	1.53
2	5J	36	SER	CA-CB	18.02	1.82	1.53
2	5N	36	SER	CA-CB	18.02	1.82	1.53
1	5U	182	PHE	N-CA	18.02	1.72	1.46
1	6M	182	PHE	N-CA	18.02	1.72	1.46
1	6U	182	PHE	N-CA	18.02	1.72	1.46
2	63	36	SER	CA-CB	18.02	1.82	1.53
2	67	36	SER	CA-CB	18.02	1.82	1.53
2	7B	36	SER	CA-CB	18.02	1.82	1.53
1	7E	182	PHE	N-CA	18.02	1.72	1.46
1	7Q	182	PHE	N-CA	18.02	1.72	1.46
2	1B	36	SER	CA-CB	18.00	1.82	1.53
2	1J	36	SER	CA-CB	18.00	1.82	1.53
2	2F	36	SER	CA-CB	18.00	1.82	1.53
2	27	36	SER	CA-CB	18.00	1.82	1.53
2	3F	36	SER	CA-CB	18.00	1.82	1.53
2	4B	36	SER	CA-CB	18.00	1.82	1.53
2	4N	36	SER	CA-CB	18.00	1.82	1.53
2	4V	36	SER	CA-CB	18.00	1.82	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	36	SER	CA-CB	18.00	1.82	1.53
2	6J	36	SER	CA-CB	18.00	1.82	1.53
2	6R	36	SER	CA-CB	18.00	1.82	1.53
2	7N	36	SER	CA-CB	18.00	1.82	1.53
2	1F	36	SER	CA-CB	17.99	1.82	1.53
2	2N	36	SER	CA-CB	17.99	1.82	1.53
2	23	36	SER	CA-CB	17.99	1.82	1.53
2	3N	36	SER	CA-CB	17.99	1.82	1.53
2	37	36	SER	CA-CB	17.99	1.82	1.53
2	4J	36	SER	CA-CB	17.99	1.82	1.53
2	4R	36	SER	CA-CB	17.99	1.82	1.53
2	5Z	36	SER	CA-CB	17.99	1.82	1.53
2	6F	36	SER	CA-CB	17.99	1.82	1.53
2	6Z	36	SER	CA-CB	17.99	1.82	1.53
2	7J	36	SER	CA-CB	17.99	1.82	1.53
2	7V	36	SER	CA-CB	17.99	1.82	1.53
1	1Q	182	PHE	N-CA	17.97	1.71	1.46
1	1U	182	PHE	N-CA	17.97	1.71	1.46
1	1Y	182	PHE	N-CA	17.97	1.71	1.46
1	2Q	182	PHE	N-CA	17.97	1.71	1.46
1	2U	182	PHE	N-CA	17.97	1.71	1.46
1	2Y	182	PHE	N-CA	17.97	1.71	1.46
1	42	182	PHE	N-CA	17.97	1.71	1.46
1	46	182	PHE	N-CA	17.97	1.71	1.46
1	5A	182	PHE	N-CA	17.97	1.71	1.46
1	52	182	PHE	N-CA	17.97	1.71	1.46
1	56	182	PHE	N-CA	17.97	1.71	1.46
1	6A	182	PHE	N-CA	17.97	1.71	1.46
1	1A	182	PHE	N-CA	17.97	1.71	1.46
1	1I	182	PHE	N-CA	17.97	1.71	1.46
1	2E	182	PHE	N-CA	17.97	1.71	1.46
1	26	182	PHE	N-CA	17.97	1.71	1.46
1	3E	182	PHE	N-CA	17.97	1.71	1.46
1	4A	182	PHE	N-CA	17.97	1.71	1.46
1	4M	182	PHE	N-CA	17.97	1.71	1.46
1	4U	182	PHE	N-CA	17.97	1.71	1.46
1	5Q	182	PHE	N-CA	17.97	1.71	1.46
1	6I	182	PHE	N-CA	17.97	1.71	1.46
1	6Q	182	PHE	N-CA	17.97	1.71	1.46
1	7M	182	PHE	N-CA	17.97	1.71	1.46
1	1E	182	PHE	N-CA	17.97	1.71	1.46
1	2M	182	PHE	N-CA	17.97	1.71	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	182	PHE	N-CA	17.97	1.71	1.46
1	3M	182	PHE	N-CA	17.97	1.71	1.46
1	36	182	PHE	N-CA	17.97	1.71	1.46
1	4I	182	PHE	N-CA	17.97	1.71	1.46
1	4Q	182	PHE	N-CA	17.97	1.71	1.46
1	5Y	182	PHE	N-CA	17.97	1.71	1.46
1	6E	182	PHE	N-CA	17.97	1.71	1.46
1	6Y	182	PHE	N-CA	17.97	1.71	1.46
1	7I	182	PHE	N-CA	17.97	1.71	1.46
1	7U	182	PHE	N-CA	17.97	1.71	1.46
1	12	182	PHE	N-CA	17.92	1.71	1.46
1	16	182	PHE	N-CA	17.92	1.71	1.46
1	2A	182	PHE	N-CA	17.92	1.71	1.46
1	3Q	182	PHE	N-CA	17.92	1.71	1.46
1	3U	182	PHE	N-CA	17.92	1.71	1.46
1	3Y	182	PHE	N-CA	17.92	1.71	1.46
1	5E	182	PHE	N-CA	17.92	1.71	1.46
1	5I	182	PHE	N-CA	17.92	1.71	1.46
1	5M	182	PHE	N-CA	17.92	1.71	1.46
1	62	182	PHE	N-CA	17.92	1.71	1.46
1	66	182	PHE	N-CA	17.92	1.71	1.46
1	7A	182	PHE	N-CA	17.92	1.71	1.46
2	13	223	ASP	C-N	17.86	1.55	1.33
2	17	223	ASP	C-N	17.86	1.55	1.33
2	2B	223	ASP	C-N	17.86	1.55	1.33
2	3R	223	ASP	C-N	17.86	1.55	1.33
2	3V	223	ASP	C-N	17.86	1.55	1.33
2	3Z	223	ASP	C-N	17.86	1.55	1.33
2	5F	223	ASP	C-N	17.86	1.55	1.33
2	5J	223	ASP	C-N	17.86	1.55	1.33
2	5N	223	ASP	C-N	17.86	1.55	1.33
2	63	223	ASP	C-N	17.86	1.55	1.33
2	67	223	ASP	C-N	17.86	1.55	1.33
2	7B	223	ASP	C-N	17.86	1.55	1.33
2	1F	223	ASP	C-N	17.84	1.55	1.33
2	2N	223	ASP	C-N	17.84	1.55	1.33
2	23	223	ASP	C-N	17.84	1.55	1.33
2	3N	223	ASP	C-N	17.84	1.55	1.33
2	37	223	ASP	C-N	17.84	1.55	1.33
2	4J	223	ASP	C-N	17.84	1.55	1.33
2	4R	223	ASP	C-N	17.84	1.55	1.33
2	5Z	223	ASP	C-N	17.84	1.55	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	223	ASP	C-N	17.84	1.55	1.33
2	6Z	223	ASP	C-N	17.84	1.55	1.33
2	7J	223	ASP	C-N	17.84	1.55	1.33
2	7V	223	ASP	C-N	17.84	1.55	1.33
1	1M	42	VAL	N-CA	-17.84	1.24	1.46
1	2I	42	VAL	N-CA	-17.84	1.24	1.46
1	3A	42	VAL	N-CA	-17.84	1.24	1.46
1	3I	42	VAL	N-CA	-17.84	1.24	1.46
1	32	42	VAL	N-CA	-17.84	1.24	1.46
1	4E	42	VAL	N-CA	-17.84	1.24	1.46
1	4Y	42	VAL	N-CA	-17.84	1.24	1.46
1	5U	42	VAL	N-CA	-17.84	1.24	1.46
1	6M	42	VAL	N-CA	-17.84	1.24	1.46
1	6U	42	VAL	N-CA	-17.84	1.24	1.46
1	7E	42	VAL	N-CA	-17.84	1.24	1.46
1	7Q	42	VAL	N-CA	-17.84	1.24	1.46
2	1B	224	VAL	CA-C	17.83	1.75	1.52
1	1E	42	VAL	N-CA	-17.83	1.24	1.46
2	1J	224	VAL	CA-C	17.83	1.75	1.52
2	2F	224	VAL	CA-C	17.83	1.75	1.52
1	2M	42	VAL	N-CA	-17.83	1.24	1.46
1	22	42	VAL	N-CA	-17.83	1.24	1.46
2	27	224	VAL	CA-C	17.83	1.75	1.52
2	3F	224	VAL	CA-C	17.83	1.75	1.52
1	3M	42	VAL	N-CA	-17.83	1.24	1.46
1	36	42	VAL	N-CA	-17.83	1.24	1.46
2	4B	224	VAL	CA-C	17.83	1.75	1.52
1	4I	42	VAL	N-CA	-17.83	1.24	1.46
2	4N	224	VAL	CA-C	17.83	1.75	1.52
1	4Q	42	VAL	N-CA	-17.83	1.24	1.46
2	4V	224	VAL	CA-C	17.83	1.75	1.52
2	5R	224	VAL	CA-C	17.83	1.75	1.52
1	5Y	42	VAL	N-CA	-17.83	1.24	1.46
1	6E	42	VAL	N-CA	-17.83	1.24	1.46
2	6J	224	VAL	CA-C	17.83	1.75	1.52
2	6R	224	VAL	CA-C	17.83	1.75	1.52
1	6Y	42	VAL	N-CA	-17.83	1.24	1.46
1	7I	42	VAL	N-CA	-17.83	1.24	1.46
2	7N	224	VAL	CA-C	17.83	1.75	1.52
1	7U	42	VAL	N-CA	-17.83	1.24	1.46
1	12	42	VAL	N-CA	-17.83	1.24	1.46
2	13	224	VAL	CA-C	17.83	1.75	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	16	42	VAL	N-CA	-17.83	1.24	1.46
2	17	224	VAL	CA-C	17.83	1.75	1.52
1	2A	42	VAL	N-CA	-17.83	1.24	1.46
2	2B	224	VAL	CA-C	17.83	1.75	1.52
1	3Q	42	VAL	N-CA	-17.83	1.24	1.46
2	3R	224	VAL	CA-C	17.83	1.75	1.52
1	3U	42	VAL	N-CA	-17.83	1.24	1.46
2	3V	224	VAL	CA-C	17.83	1.75	1.52
1	3Y	42	VAL	N-CA	-17.83	1.24	1.46
2	3Z	224	VAL	CA-C	17.83	1.75	1.52
1	5E	42	VAL	N-CA	-17.83	1.24	1.46
2	5F	224	VAL	CA-C	17.83	1.75	1.52
1	5I	42	VAL	N-CA	-17.83	1.24	1.46
2	5J	224	VAL	CA-C	17.83	1.75	1.52
1	5M	42	VAL	N-CA	-17.83	1.24	1.46
2	5N	224	VAL	CA-C	17.83	1.75	1.52
1	62	42	VAL	N-CA	-17.83	1.24	1.46
2	63	224	VAL	CA-C	17.83	1.75	1.52
1	66	42	VAL	N-CA	-17.83	1.24	1.46
2	67	224	VAL	CA-C	17.83	1.75	1.52
1	7A	42	VAL	N-CA	-17.83	1.24	1.46
2	7B	224	VAL	CA-C	17.83	1.75	1.52
2	1B	223	ASP	C-N	17.83	1.55	1.33
2	1J	223	ASP	C-N	17.83	1.55	1.33
2	2F	223	ASP	C-N	17.83	1.55	1.33
2	27	223	ASP	C-N	17.83	1.55	1.33
2	3F	223	ASP	C-N	17.83	1.55	1.33
2	4B	223	ASP	C-N	17.83	1.55	1.33
2	4N	223	ASP	C-N	17.83	1.55	1.33
2	4V	223	ASP	C-N	17.83	1.55	1.33
2	5R	223	ASP	C-N	17.83	1.55	1.33
2	6J	223	ASP	C-N	17.83	1.55	1.33
2	6R	223	ASP	C-N	17.83	1.55	1.33
2	7N	223	ASP	C-N	17.83	1.55	1.33
2	1N	223	ASP	C-N	17.83	1.55	1.33
2	2J	223	ASP	C-N	17.83	1.55	1.33
2	3B	223	ASP	C-N	17.83	1.55	1.33
2	3J	223	ASP	C-N	17.83	1.55	1.33
2	33	223	ASP	C-N	17.83	1.55	1.33
2	4F	223	ASP	C-N	17.83	1.55	1.33
2	4Z	223	ASP	C-N	17.83	1.55	1.33
2	5V	223	ASP	C-N	17.83	1.55	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	223	ASP	C-N	17.83	1.55	1.33
2	6V	223	ASP	C-N	17.83	1.55	1.33
2	7F	223	ASP	C-N	17.83	1.55	1.33
2	7R	223	ASP	C-N	17.83	1.55	1.33
2	1N	224	VAL	CA-C	17.82	1.75	1.52
2	2J	224	VAL	CA-C	17.82	1.75	1.52
2	3B	224	VAL	CA-C	17.82	1.75	1.52
2	3J	224	VAL	CA-C	17.82	1.75	1.52
2	33	224	VAL	CA-C	17.82	1.75	1.52
2	4F	224	VAL	CA-C	17.82	1.75	1.52
2	4Z	224	VAL	CA-C	17.82	1.75	1.52
2	5V	224	VAL	CA-C	17.82	1.75	1.52
2	6N	224	VAL	CA-C	17.82	1.75	1.52
2	6V	224	VAL	CA-C	17.82	1.75	1.52
2	7F	224	VAL	CA-C	17.82	1.75	1.52
2	7R	224	VAL	CA-C	17.82	1.75	1.52
2	1R	224	VAL	CA-C	17.80	1.75	1.52
2	1V	224	VAL	CA-C	17.80	1.75	1.52
2	1Z	224	VAL	CA-C	17.80	1.75	1.52
2	2R	224	VAL	CA-C	17.80	1.75	1.52
2	2V	224	VAL	CA-C	17.80	1.75	1.52
2	2Z	224	VAL	CA-C	17.80	1.75	1.52
2	43	224	VAL	CA-C	17.80	1.75	1.52
2	47	224	VAL	CA-C	17.80	1.75	1.52
2	5B	224	VAL	CA-C	17.80	1.75	1.52
2	53	224	VAL	CA-C	17.80	1.75	1.52
2	57	224	VAL	CA-C	17.80	1.75	1.52
2	6B	224	VAL	CA-C	17.80	1.75	1.52
2	1R	223	ASP	C-N	17.80	1.55	1.33
2	1V	223	ASP	C-N	17.80	1.55	1.33
2	1Z	223	ASP	C-N	17.80	1.55	1.33
2	2R	223	ASP	C-N	17.80	1.55	1.33
2	2V	223	ASP	C-N	17.80	1.55	1.33
2	2Z	223	ASP	C-N	17.80	1.55	1.33
2	43	223	ASP	C-N	17.80	1.55	1.33
2	47	223	ASP	C-N	17.80	1.55	1.33
2	5B	223	ASP	C-N	17.80	1.55	1.33
2	53	223	ASP	C-N	17.80	1.55	1.33
2	57	223	ASP	C-N	17.80	1.55	1.33
2	6B	223	ASP	C-N	17.80	1.55	1.33
2	1F	224	VAL	CA-C	17.80	1.75	1.52
2	2N	224	VAL	CA-C	17.80	1.75	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	224	VAL	CA-C	17.80	1.75	1.52
2	3N	224	VAL	CA-C	17.80	1.75	1.52
2	37	224	VAL	CA-C	17.80	1.75	1.52
2	4J	224	VAL	CA-C	17.80	1.75	1.52
2	4R	224	VAL	CA-C	17.80	1.75	1.52
2	5Z	224	VAL	CA-C	17.80	1.75	1.52
2	6F	224	VAL	CA-C	17.80	1.75	1.52
2	6Z	224	VAL	CA-C	17.80	1.75	1.52
2	7J	224	VAL	CA-C	17.80	1.75	1.52
2	7V	224	VAL	CA-C	17.80	1.75	1.52
1	1A	42	VAL	N-CA	-17.79	1.24	1.46
1	1I	42	VAL	N-CA	-17.79	1.24	1.46
1	1Q	42	VAL	N-CA	-17.79	1.24	1.46
1	1U	42	VAL	N-CA	-17.79	1.24	1.46
1	1Y	42	VAL	N-CA	-17.79	1.24	1.46
1	2E	42	VAL	N-CA	-17.79	1.24	1.46
1	2Q	42	VAL	N-CA	-17.79	1.24	1.46
1	2U	42	VAL	N-CA	-17.79	1.24	1.46
1	2Y	42	VAL	N-CA	-17.79	1.24	1.46
1	26	42	VAL	N-CA	-17.79	1.24	1.46
1	3E	42	VAL	N-CA	-17.79	1.24	1.46
1	4A	42	VAL	N-CA	-17.79	1.24	1.46
1	4M	42	VAL	N-CA	-17.79	1.24	1.46
1	4U	42	VAL	N-CA	-17.79	1.24	1.46
1	42	42	VAL	N-CA	-17.79	1.24	1.46
1	46	42	VAL	N-CA	-17.79	1.24	1.46
1	5A	42	VAL	N-CA	-17.79	1.24	1.46
1	5Q	42	VAL	N-CA	-17.79	1.24	1.46
1	52	42	VAL	N-CA	-17.79	1.24	1.46
1	56	42	VAL	N-CA	-17.79	1.24	1.46
1	6A	42	VAL	N-CA	-17.79	1.24	1.46
1	6I	42	VAL	N-CA	-17.79	1.24	1.46
1	6Q	42	VAL	N-CA	-17.79	1.24	1.46
1	7M	42	VAL	N-CA	-17.79	1.24	1.46
1	1M	90	PHE	CE1-CZ	17.70	1.91	1.38
1	2I	90	PHE	CE1-CZ	17.70	1.91	1.38
1	3A	90	PHE	CE1-CZ	17.70	1.91	1.38
1	3I	90	PHE	CE1-CZ	17.70	1.91	1.38
1	32	90	PHE	CE1-CZ	17.70	1.91	1.38
1	4E	90	PHE	CE1-CZ	17.70	1.91	1.38
1	4Y	90	PHE	CE1-CZ	17.70	1.91	1.38
1	5U	90	PHE	CE1-CZ	17.70	1.91	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	90	PHE	CE1-CZ	17.70	1.91	1.38
1	6U	90	PHE	CE1-CZ	17.70	1.91	1.38
1	7E	90	PHE	CE1-CZ	17.70	1.91	1.38
1	7Q	90	PHE	CE1-CZ	17.70	1.91	1.38
1	1Q	90	PHE	CE1-CZ	17.69	1.91	1.38
1	1U	90	PHE	CE1-CZ	17.69	1.91	1.38
1	1Y	90	PHE	CE1-CZ	17.69	1.91	1.38
1	2Q	90	PHE	CE1-CZ	17.69	1.91	1.38
1	2U	90	PHE	CE1-CZ	17.69	1.91	1.38
1	2Y	90	PHE	CE1-CZ	17.69	1.91	1.38
1	42	90	PHE	CE1-CZ	17.69	1.91	1.38
1	46	90	PHE	CE1-CZ	17.69	1.91	1.38
1	5A	90	PHE	CE1-CZ	17.69	1.91	1.38
1	52	90	PHE	CE1-CZ	17.69	1.91	1.38
1	56	90	PHE	CE1-CZ	17.69	1.91	1.38
1	6A	90	PHE	CE1-CZ	17.69	1.91	1.38
1	12	48	TYR	CD2-CE2	17.69	1.91	1.38
1	16	48	TYR	CD2-CE2	17.69	1.91	1.38
1	2A	48	TYR	CD2-CE2	17.69	1.91	1.38
1	3Q	48	TYR	CD2-CE2	17.69	1.91	1.38
1	3U	48	TYR	CD2-CE2	17.69	1.91	1.38
1	3Y	48	TYR	CD2-CE2	17.69	1.91	1.38
1	5E	48	TYR	CD2-CE2	17.69	1.91	1.38
1	5I	48	TYR	CD2-CE2	17.69	1.91	1.38
1	5M	48	TYR	CD2-CE2	17.69	1.91	1.38
1	62	48	TYR	CD2-CE2	17.69	1.91	1.38
1	66	48	TYR	CD2-CE2	17.69	1.91	1.38
1	7A	48	TYR	CD2-CE2	17.69	1.91	1.38
1	1E	48	TYR	CD2-CE2	17.69	1.91	1.38
1	2M	48	TYR	CD2-CE2	17.69	1.91	1.38
1	22	48	TYR	CD2-CE2	17.69	1.91	1.38
1	3M	48	TYR	CD2-CE2	17.69	1.91	1.38
1	36	48	TYR	CD2-CE2	17.69	1.91	1.38
1	4I	48	TYR	CD2-CE2	17.69	1.91	1.38
1	4Q	48	TYR	CD2-CE2	17.69	1.91	1.38
1	5Y	48	TYR	CD2-CE2	17.69	1.91	1.38
1	6E	48	TYR	CD2-CE2	17.69	1.91	1.38
1	6Y	48	TYR	CD2-CE2	17.69	1.91	1.38
1	7I	48	TYR	CD2-CE2	17.69	1.91	1.38
1	7U	48	TYR	CD2-CE2	17.69	1.91	1.38
2	1F	10	GLN	CA-C	-17.69	1.29	1.52
2	2N	10	GLN	CA-C	-17.69	1.29	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	10	GLN	CA-C	-17.69	1.29	1.52
2	3N	10	GLN	CA-C	-17.69	1.29	1.52
2	37	10	GLN	CA-C	-17.69	1.29	1.52
2	4J	10	GLN	CA-C	-17.69	1.29	1.52
2	4R	10	GLN	CA-C	-17.69	1.29	1.52
2	5Z	10	GLN	CA-C	-17.69	1.29	1.52
2	6F	10	GLN	CA-C	-17.69	1.29	1.52
2	6Z	10	GLN	CA-C	-17.69	1.29	1.52
2	7J	10	GLN	CA-C	-17.69	1.29	1.52
2	7V	10	GLN	CA-C	-17.69	1.29	1.52
2	1R	10	GLN	CA-C	-17.68	1.29	1.52
2	1V	10	GLN	CA-C	-17.68	1.29	1.52
2	1Z	10	GLN	CA-C	-17.68	1.29	1.52
2	2R	10	GLN	CA-C	-17.68	1.29	1.52
2	2V	10	GLN	CA-C	-17.68	1.29	1.52
2	2Z	10	GLN	CA-C	-17.68	1.29	1.52
2	43	10	GLN	CA-C	-17.68	1.29	1.52
2	47	10	GLN	CA-C	-17.68	1.29	1.52
2	5B	10	GLN	CA-C	-17.68	1.29	1.52
2	53	10	GLN	CA-C	-17.68	1.29	1.52
2	57	10	GLN	CA-C	-17.68	1.29	1.52
2	6B	10	GLN	CA-C	-17.68	1.29	1.52
1	1A	90	PHE	CE1-CZ	17.68	1.91	1.38
1	1I	90	PHE	CE1-CZ	17.68	1.91	1.38
1	2E	90	PHE	CE1-CZ	17.68	1.91	1.38
1	26	90	PHE	CE1-CZ	17.68	1.91	1.38
1	3E	90	PHE	CE1-CZ	17.68	1.91	1.38
1	4A	90	PHE	CE1-CZ	17.68	1.91	1.38
1	4M	90	PHE	CE1-CZ	17.68	1.91	1.38
1	4U	90	PHE	CE1-CZ	17.68	1.91	1.38
1	5Q	90	PHE	CE1-CZ	17.68	1.91	1.38
1	6I	90	PHE	CE1-CZ	17.68	1.91	1.38
1	6Q	90	PHE	CE1-CZ	17.68	1.91	1.38
1	7M	90	PHE	CE1-CZ	17.68	1.91	1.38
2	1B	10	GLN	CA-C	-17.67	1.29	1.52
2	1J	10	GLN	CA-C	-17.67	1.29	1.52
2	2F	10	GLN	CA-C	-17.67	1.29	1.52
2	27	10	GLN	CA-C	-17.67	1.29	1.52
2	3F	10	GLN	CA-C	-17.67	1.29	1.52
2	4B	10	GLN	CA-C	-17.67	1.29	1.52
2	4N	10	GLN	CA-C	-17.67	1.29	1.52
2	4V	10	GLN	CA-C	-17.67	1.29	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	10	GLN	CA-C	-17.67	1.29	1.52
2	6J	10	GLN	CA-C	-17.67	1.29	1.52
2	6R	10	GLN	CA-C	-17.67	1.29	1.52
2	7N	10	GLN	CA-C	-17.67	1.29	1.52
1	1A	48	TYR	CD2-CE2	17.67	1.91	1.38
1	1I	48	TYR	CD2-CE2	17.67	1.91	1.38
1	2E	48	TYR	CD2-CE2	17.67	1.91	1.38
1	26	48	TYR	CD2-CE2	17.67	1.91	1.38
1	3E	48	TYR	CD2-CE2	17.67	1.91	1.38
1	4A	48	TYR	CD2-CE2	17.67	1.91	1.38
1	4M	48	TYR	CD2-CE2	17.67	1.91	1.38
1	4U	48	TYR	CD2-CE2	17.67	1.91	1.38
1	5Q	48	TYR	CD2-CE2	17.67	1.91	1.38
1	6I	48	TYR	CD2-CE2	17.67	1.91	1.38
1	6Q	48	TYR	CD2-CE2	17.67	1.91	1.38
1	7M	48	TYR	CD2-CE2	17.67	1.91	1.38
1	1M	48	TYR	CD2-CE2	17.67	1.91	1.38
1	2I	48	TYR	CD2-CE2	17.67	1.91	1.38
1	3A	48	TYR	CD2-CE2	17.67	1.91	1.38
1	3I	48	TYR	CD2-CE2	17.67	1.91	1.38
1	32	48	TYR	CD2-CE2	17.67	1.91	1.38
1	4E	48	TYR	CD2-CE2	17.67	1.91	1.38
1	4Y	48	TYR	CD2-CE2	17.67	1.91	1.38
1	5U	48	TYR	CD2-CE2	17.67	1.91	1.38
1	6M	48	TYR	CD2-CE2	17.67	1.91	1.38
1	6U	48	TYR	CD2-CE2	17.67	1.91	1.38
1	7E	48	TYR	CD2-CE2	17.67	1.91	1.38
1	7Q	48	TYR	CD2-CE2	17.67	1.91	1.38
2	13	10	GLN	CA-C	-17.66	1.29	1.52
2	17	10	GLN	CA-C	-17.66	1.29	1.52
2	2B	10	GLN	CA-C	-17.66	1.29	1.52
2	3R	10	GLN	CA-C	-17.66	1.29	1.52
2	3V	10	GLN	CA-C	-17.66	1.29	1.52
2	3Z	10	GLN	CA-C	-17.66	1.29	1.52
2	5F	10	GLN	CA-C	-17.66	1.29	1.52
2	5J	10	GLN	CA-C	-17.66	1.29	1.52
2	5N	10	GLN	CA-C	-17.66	1.29	1.52
2	63	10	GLN	CA-C	-17.66	1.29	1.52
2	67	10	GLN	CA-C	-17.66	1.29	1.52
2	7B	10	GLN	CA-C	-17.66	1.29	1.52
1	12	90	PHE	CE1-CZ	17.66	1.91	1.38
1	16	90	PHE	CE1-CZ	17.66	1.91	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	90	PHE	CE1-CZ	17.66	1.91	1.38
1	3Q	90	PHE	CE1-CZ	17.66	1.91	1.38
1	3U	90	PHE	CE1-CZ	17.66	1.91	1.38
1	3Y	90	PHE	CE1-CZ	17.66	1.91	1.38
1	5E	90	PHE	CE1-CZ	17.66	1.91	1.38
1	5I	90	PHE	CE1-CZ	17.66	1.91	1.38
1	5M	90	PHE	CE1-CZ	17.66	1.91	1.38
1	62	90	PHE	CE1-CZ	17.66	1.91	1.38
1	66	90	PHE	CE1-CZ	17.66	1.91	1.38
1	7A	90	PHE	CE1-CZ	17.66	1.91	1.38
1	1Q	48	TYR	CD2-CE2	17.65	1.91	1.38
1	1U	48	TYR	CD2-CE2	17.65	1.91	1.38
1	1Y	48	TYR	CD2-CE2	17.65	1.91	1.38
1	2Q	48	TYR	CD2-CE2	17.65	1.91	1.38
1	2U	48	TYR	CD2-CE2	17.65	1.91	1.38
1	2Y	48	TYR	CD2-CE2	17.65	1.91	1.38
1	42	48	TYR	CD2-CE2	17.65	1.91	1.38
1	46	48	TYR	CD2-CE2	17.65	1.91	1.38
1	5A	48	TYR	CD2-CE2	17.65	1.91	1.38
1	52	48	TYR	CD2-CE2	17.65	1.91	1.38
1	56	48	TYR	CD2-CE2	17.65	1.91	1.38
1	6A	48	TYR	CD2-CE2	17.65	1.91	1.38
1	1E	90	PHE	CE1-CZ	17.65	1.91	1.38
1	2M	90	PHE	CE1-CZ	17.65	1.91	1.38
1	22	90	PHE	CE1-CZ	17.65	1.91	1.38
1	3M	90	PHE	CE1-CZ	17.65	1.91	1.38
1	36	90	PHE	CE1-CZ	17.65	1.91	1.38
1	4I	90	PHE	CE1-CZ	17.65	1.91	1.38
1	4Q	90	PHE	CE1-CZ	17.65	1.91	1.38
1	5Y	90	PHE	CE1-CZ	17.65	1.91	1.38
1	6E	90	PHE	CE1-CZ	17.65	1.91	1.38
1	6Y	90	PHE	CE1-CZ	17.65	1.91	1.38
1	7I	90	PHE	CE1-CZ	17.65	1.91	1.38
1	7U	90	PHE	CE1-CZ	17.65	1.91	1.38
2	1N	10	GLN	CA-C	-17.65	1.29	1.52
2	2J	10	GLN	CA-C	-17.65	1.29	1.52
2	3B	10	GLN	CA-C	-17.65	1.29	1.52
2	3J	10	GLN	CA-C	-17.65	1.29	1.52
2	33	10	GLN	CA-C	-17.65	1.29	1.52
2	4F	10	GLN	CA-C	-17.65	1.29	1.52
2	4Z	10	GLN	CA-C	-17.65	1.29	1.52
2	5V	10	GLN	CA-C	-17.65	1.29	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	10	GLN	CA-C	-17.65	1.29	1.52
2	6V	10	GLN	CA-C	-17.65	1.29	1.52
2	7F	10	GLN	CA-C	-17.65	1.29	1.52
2	7R	10	GLN	CA-C	-17.65	1.29	1.52
1	12	82	ARG	CZ-NH1	-17.52	1.08	1.32
1	16	82	ARG	CZ-NH1	-17.52	1.08	1.32
1	2A	82	ARG	CZ-NH1	-17.52	1.08	1.32
1	3Q	82	ARG	CZ-NH1	-17.52	1.08	1.32
1	3U	82	ARG	CZ-NH1	-17.52	1.08	1.32
1	3Y	82	ARG	CZ-NH1	-17.52	1.08	1.32
1	5E	82	ARG	CZ-NH1	-17.52	1.08	1.32
1	5I	82	ARG	CZ-NH1	-17.52	1.08	1.32
1	5M	82	ARG	CZ-NH1	-17.52	1.08	1.32
1	62	82	ARG	CZ-NH1	-17.52	1.08	1.32
1	66	82	ARG	CZ-NH1	-17.52	1.08	1.32
1	7A	82	ARG	CZ-NH1	-17.52	1.08	1.32
1	1A	145	LEU	CB-CG	17.52	1.88	1.53
1	1I	145	LEU	CB-CG	17.52	1.88	1.53
1	2E	145	LEU	CB-CG	17.52	1.88	1.53
1	26	145	LEU	CB-CG	17.52	1.88	1.53
1	3E	145	LEU	CB-CG	17.52	1.88	1.53
1	4A	145	LEU	CB-CG	17.52	1.88	1.53
1	4M	145	LEU	CB-CG	17.52	1.88	1.53
1	4U	145	LEU	CB-CG	17.52	1.88	1.53
1	5Q	145	LEU	CB-CG	17.52	1.88	1.53
1	6I	145	LEU	CB-CG	17.52	1.88	1.53
1	6Q	145	LEU	CB-CG	17.52	1.88	1.53
1	7M	145	LEU	CB-CG	17.52	1.88	1.53
1	1A	82	ARG	CZ-NH1	-17.51	1.08	1.32
1	1I	82	ARG	CZ-NH1	-17.51	1.08	1.32
1	2E	82	ARG	CZ-NH1	-17.51	1.08	1.32
1	26	82	ARG	CZ-NH1	-17.51	1.08	1.32
1	3E	82	ARG	CZ-NH1	-17.51	1.08	1.32
1	4A	82	ARG	CZ-NH1	-17.51	1.08	1.32
1	4M	82	ARG	CZ-NH1	-17.51	1.08	1.32
1	4U	82	ARG	CZ-NH1	-17.51	1.08	1.32
1	5Q	82	ARG	CZ-NH1	-17.51	1.08	1.32
1	6I	82	ARG	CZ-NH1	-17.51	1.08	1.32
1	6Q	82	ARG	CZ-NH1	-17.51	1.08	1.32
1	7M	82	ARG	CZ-NH1	-17.51	1.08	1.32
1	1M	145	LEU	CB-CG	17.51	1.88	1.53
1	2I	145	LEU	CB-CG	17.51	1.88	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	145	LEU	CB-CG	17.51	1.88	1.53
1	3I	145	LEU	CB-CG	17.51	1.88	1.53
1	32	145	LEU	CB-CG	17.51	1.88	1.53
1	4E	145	LEU	CB-CG	17.51	1.88	1.53
1	4Y	145	LEU	CB-CG	17.51	1.88	1.53
1	5U	145	LEU	CB-CG	17.51	1.88	1.53
1	6M	145	LEU	CB-CG	17.51	1.88	1.53
1	6U	145	LEU	CB-CG	17.51	1.88	1.53
1	7E	145	LEU	CB-CG	17.51	1.88	1.53
1	7Q	145	LEU	CB-CG	17.51	1.88	1.53
1	1E	145	LEU	CB-CG	17.51	1.88	1.53
1	2M	145	LEU	CB-CG	17.51	1.88	1.53
1	22	145	LEU	CB-CG	17.51	1.88	1.53
1	3M	145	LEU	CB-CG	17.51	1.88	1.53
1	36	145	LEU	CB-CG	17.51	1.88	1.53
1	4I	145	LEU	CB-CG	17.51	1.88	1.53
1	4Q	145	LEU	CB-CG	17.51	1.88	1.53
1	5Y	145	LEU	CB-CG	17.51	1.88	1.53
1	6E	145	LEU	CB-CG	17.51	1.88	1.53
1	6Y	145	LEU	CB-CG	17.51	1.88	1.53
1	7I	145	LEU	CB-CG	17.51	1.88	1.53
1	7U	145	LEU	CB-CG	17.51	1.88	1.53
1	1E	95	THR	C-O	17.50	1.47	1.24
1	2M	95	THR	C-O	17.50	1.47	1.24
1	22	95	THR	C-O	17.50	1.47	1.24
1	3M	95	THR	C-O	17.50	1.47	1.24
1	36	95	THR	C-O	17.50	1.47	1.24
1	4I	95	THR	C-O	17.50	1.47	1.24
1	4Q	95	THR	C-O	17.50	1.47	1.24
1	5Y	95	THR	C-O	17.50	1.47	1.24
1	6E	95	THR	C-O	17.50	1.47	1.24
1	6Y	95	THR	C-O	17.50	1.47	1.24
1	7I	95	THR	C-O	17.50	1.47	1.24
1	7U	95	THR	C-O	17.50	1.47	1.24
1	1Q	145	LEU	CB-CG	17.49	1.88	1.53
1	1U	145	LEU	CB-CG	17.49	1.88	1.53
1	1Y	145	LEU	CB-CG	17.49	1.88	1.53
1	2Q	145	LEU	CB-CG	17.49	1.88	1.53
1	2U	145	LEU	CB-CG	17.49	1.88	1.53
1	2Y	145	LEU	CB-CG	17.49	1.88	1.53
1	42	145	LEU	CB-CG	17.49	1.88	1.53
1	46	145	LEU	CB-CG	17.49	1.88	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	145	LEU	CB-CG	17.49	1.88	1.53
1	52	145	LEU	CB-CG	17.49	1.88	1.53
1	56	145	LEU	CB-CG	17.49	1.88	1.53
1	6A	145	LEU	CB-CG	17.49	1.88	1.53
1	1E	65	PHE	CD1-CE1	17.49	1.91	1.38
1	2M	65	PHE	CD1-CE1	17.49	1.91	1.38
1	22	65	PHE	CD1-CE1	17.49	1.91	1.38
1	3M	65	PHE	CD1-CE1	17.49	1.91	1.38
1	36	65	PHE	CD1-CE1	17.49	1.91	1.38
1	4I	65	PHE	CD1-CE1	17.49	1.91	1.38
1	4Q	65	PHE	CD1-CE1	17.49	1.91	1.38
1	5Y	65	PHE	CD1-CE1	17.49	1.91	1.38
1	6E	65	PHE	CD1-CE1	17.49	1.91	1.38
1	6Y	65	PHE	CD1-CE1	17.49	1.91	1.38
1	7I	65	PHE	CD1-CE1	17.49	1.91	1.38
1	7U	65	PHE	CD1-CE1	17.49	1.91	1.38
2	1B	57	LYS	CA-CB	-17.49	1.25	1.53
2	1J	57	LYS	CA-CB	-17.49	1.25	1.53
2	2F	57	LYS	CA-CB	-17.49	1.25	1.53
2	27	57	LYS	CA-CB	-17.49	1.25	1.53
2	3F	57	LYS	CA-CB	-17.49	1.25	1.53
2	4B	57	LYS	CA-CB	-17.49	1.25	1.53
2	4N	57	LYS	CA-CB	-17.49	1.25	1.53
2	4V	57	LYS	CA-CB	-17.49	1.25	1.53
2	5R	57	LYS	CA-CB	-17.49	1.25	1.53
2	6J	57	LYS	CA-CB	-17.49	1.25	1.53
2	6R	57	LYS	CA-CB	-17.49	1.25	1.53
2	7N	57	LYS	CA-CB	-17.49	1.25	1.53
1	12	145	LEU	CB-CG	17.48	1.88	1.53
1	16	145	LEU	CB-CG	17.48	1.88	1.53
1	2A	145	LEU	CB-CG	17.48	1.88	1.53
1	3Q	145	LEU	CB-CG	17.48	1.88	1.53
1	3U	145	LEU	CB-CG	17.48	1.88	1.53
1	3Y	145	LEU	CB-CG	17.48	1.88	1.53
1	5E	145	LEU	CB-CG	17.48	1.88	1.53
1	5I	145	LEU	CB-CG	17.48	1.88	1.53
1	5M	145	LEU	CB-CG	17.48	1.88	1.53
1	62	145	LEU	CB-CG	17.48	1.88	1.53
1	66	145	LEU	CB-CG	17.48	1.88	1.53
1	7A	145	LEU	CB-CG	17.48	1.88	1.53
1	1Q	65	PHE	CD1-CE1	17.48	1.91	1.38
1	1U	65	PHE	CD1-CE1	17.48	1.91	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	65	PHE	CD1-CE1	17.48	1.91	1.38
1	2Q	65	PHE	CD1-CE1	17.48	1.91	1.38
1	2U	65	PHE	CD1-CE1	17.48	1.91	1.38
1	2Y	65	PHE	CD1-CE1	17.48	1.91	1.38
1	42	65	PHE	CD1-CE1	17.48	1.91	1.38
1	46	65	PHE	CD1-CE1	17.48	1.91	1.38
1	5A	65	PHE	CD1-CE1	17.48	1.91	1.38
1	52	65	PHE	CD1-CE1	17.48	1.91	1.38
1	56	65	PHE	CD1-CE1	17.48	1.91	1.38
1	6A	65	PHE	CD1-CE1	17.48	1.91	1.38
1	1A	65	PHE	CD1-CE1	17.48	1.91	1.38
1	1I	65	PHE	CD1-CE1	17.48	1.91	1.38
1	1M	82	ARG	CZ-NH1	-17.48	1.08	1.32
1	2E	65	PHE	CD1-CE1	17.48	1.91	1.38
1	2I	82	ARG	CZ-NH1	-17.48	1.08	1.32
1	26	65	PHE	CD1-CE1	17.48	1.91	1.38
1	3A	82	ARG	CZ-NH1	-17.48	1.08	1.32
1	3E	65	PHE	CD1-CE1	17.48	1.91	1.38
1	3I	82	ARG	CZ-NH1	-17.48	1.08	1.32
1	32	82	ARG	CZ-NH1	-17.48	1.08	1.32
1	4A	65	PHE	CD1-CE1	17.48	1.91	1.38
1	4E	82	ARG	CZ-NH1	-17.48	1.08	1.32
1	4M	65	PHE	CD1-CE1	17.48	1.91	1.38
1	4U	65	PHE	CD1-CE1	17.48	1.91	1.38
1	4Y	82	ARG	CZ-NH1	-17.48	1.08	1.32
1	5Q	65	PHE	CD1-CE1	17.48	1.91	1.38
1	5U	82	ARG	CZ-NH1	-17.48	1.08	1.32
1	6I	65	PHE	CD1-CE1	17.48	1.91	1.38
1	6M	82	ARG	CZ-NH1	-17.48	1.08	1.32
1	6Q	65	PHE	CD1-CE1	17.48	1.91	1.38
1	6U	82	ARG	CZ-NH1	-17.48	1.08	1.32
1	7E	82	ARG	CZ-NH1	-17.48	1.08	1.32
1	7M	65	PHE	CD1-CE1	17.48	1.91	1.38
1	7Q	82	ARG	CZ-NH1	-17.48	1.08	1.32
2	1R	57	LYS	CA-CB	-17.47	1.25	1.53
2	1V	57	LYS	CA-CB	-17.47	1.25	1.53
2	1Z	57	LYS	CA-CB	-17.47	1.25	1.53
2	2R	57	LYS	CA-CB	-17.47	1.25	1.53
2	2V	57	LYS	CA-CB	-17.47	1.25	1.53
2	2Z	57	LYS	CA-CB	-17.47	1.25	1.53
2	43	57	LYS	CA-CB	-17.47	1.25	1.53
2	47	57	LYS	CA-CB	-17.47	1.25	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	57	LYS	CA-CB	-17.47	1.25	1.53
2	53	57	LYS	CA-CB	-17.47	1.25	1.53
2	57	57	LYS	CA-CB	-17.47	1.25	1.53
2	6B	57	LYS	CA-CB	-17.47	1.25	1.53
2	13	57	LYS	CA-CB	-17.47	1.25	1.53
2	17	57	LYS	CA-CB	-17.47	1.25	1.53
2	2B	57	LYS	CA-CB	-17.47	1.25	1.53
2	3R	57	LYS	CA-CB	-17.47	1.25	1.53
2	3V	57	LYS	CA-CB	-17.47	1.25	1.53
2	3Z	57	LYS	CA-CB	-17.47	1.25	1.53
2	5F	57	LYS	CA-CB	-17.47	1.25	1.53
2	5J	57	LYS	CA-CB	-17.47	1.25	1.53
2	5N	57	LYS	CA-CB	-17.47	1.25	1.53
2	63	57	LYS	CA-CB	-17.47	1.25	1.53
2	67	57	LYS	CA-CB	-17.47	1.25	1.53
2	7B	57	LYS	CA-CB	-17.47	1.25	1.53
1	12	65	PHE	CD1-CE1	17.46	1.91	1.38
1	16	65	PHE	CD1-CE1	17.46	1.91	1.38
1	2A	65	PHE	CD1-CE1	17.46	1.91	1.38
1	3Q	65	PHE	CD1-CE1	17.46	1.91	1.38
1	3U	65	PHE	CD1-CE1	17.46	1.91	1.38
1	3Y	65	PHE	CD1-CE1	17.46	1.91	1.38
1	5E	65	PHE	CD1-CE1	17.46	1.91	1.38
1	5I	65	PHE	CD1-CE1	17.46	1.91	1.38
1	5M	65	PHE	CD1-CE1	17.46	1.91	1.38
1	62	65	PHE	CD1-CE1	17.46	1.91	1.38
1	66	65	PHE	CD1-CE1	17.46	1.91	1.38
1	7A	65	PHE	CD1-CE1	17.46	1.91	1.38
1	1A	95	THR	C-O	17.46	1.47	1.24
1	1I	95	THR	C-O	17.46	1.47	1.24
1	2E	95	THR	C-O	17.46	1.47	1.24
1	26	95	THR	C-O	17.46	1.47	1.24
1	3E	95	THR	C-O	17.46	1.47	1.24
1	4A	95	THR	C-O	17.46	1.47	1.24
1	4M	95	THR	C-O	17.46	1.47	1.24
1	4U	95	THR	C-O	17.46	1.47	1.24
1	5Q	95	THR	C-O	17.46	1.47	1.24
1	6I	95	THR	C-O	17.46	1.47	1.24
1	6Q	95	THR	C-O	17.46	1.47	1.24
1	7M	95	THR	C-O	17.46	1.47	1.24
1	1Q	95	THR	C-O	17.46	1.47	1.24
1	1U	95	THR	C-O	17.46	1.47	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	95	THR	C-O	17.46	1.47	1.24
1	2Q	95	THR	C-O	17.46	1.47	1.24
1	2U	95	THR	C-O	17.46	1.47	1.24
1	2Y	95	THR	C-O	17.46	1.47	1.24
1	42	95	THR	C-O	17.46	1.47	1.24
1	46	95	THR	C-O	17.46	1.47	1.24
1	5A	95	THR	C-O	17.46	1.47	1.24
1	52	95	THR	C-O	17.46	1.47	1.24
1	56	95	THR	C-O	17.46	1.47	1.24
1	6A	95	THR	C-O	17.46	1.47	1.24
1	1E	82	ARG	CZ-NH1	-17.46	1.08	1.32
2	1N	57	LYS	CA-CB	-17.46	1.25	1.53
2	2J	57	LYS	CA-CB	-17.46	1.25	1.53
1	2M	82	ARG	CZ-NH1	-17.46	1.08	1.32
1	22	82	ARG	CZ-NH1	-17.46	1.08	1.32
2	3B	57	LYS	CA-CB	-17.46	1.25	1.53
2	3J	57	LYS	CA-CB	-17.46	1.25	1.53
1	3M	82	ARG	CZ-NH1	-17.46	1.08	1.32
2	33	57	LYS	CA-CB	-17.46	1.25	1.53
1	36	82	ARG	CZ-NH1	-17.46	1.08	1.32
2	4F	57	LYS	CA-CB	-17.46	1.25	1.53
1	4I	82	ARG	CZ-NH1	-17.46	1.08	1.32
1	4Q	82	ARG	CZ-NH1	-17.46	1.08	1.32
2	4Z	57	LYS	CA-CB	-17.46	1.25	1.53
2	5V	57	LYS	CA-CB	-17.46	1.25	1.53
1	5Y	82	ARG	CZ-NH1	-17.46	1.08	1.32
1	6E	82	ARG	CZ-NH1	-17.46	1.08	1.32
2	6N	57	LYS	CA-CB	-17.46	1.25	1.53
2	6V	57	LYS	CA-CB	-17.46	1.25	1.53
1	6Y	82	ARG	CZ-NH1	-17.46	1.08	1.32
2	7F	57	LYS	CA-CB	-17.46	1.25	1.53
1	7I	82	ARG	CZ-NH1	-17.46	1.08	1.32
2	7R	57	LYS	CA-CB	-17.46	1.25	1.53
1	7U	82	ARG	CZ-NH1	-17.46	1.08	1.32
1	1M	65	PHE	CD1-CE1	17.45	1.91	1.38
1	1Q	82	ARG	CZ-NH1	-17.45	1.08	1.32
1	1U	82	ARG	CZ-NH1	-17.45	1.08	1.32
1	1Y	82	ARG	CZ-NH1	-17.45	1.08	1.32
1	2I	65	PHE	CD1-CE1	17.45	1.91	1.38
1	2Q	82	ARG	CZ-NH1	-17.45	1.08	1.32
1	2U	82	ARG	CZ-NH1	-17.45	1.08	1.32
1	2Y	82	ARG	CZ-NH1	-17.45	1.08	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	65	PHE	CD1-CE1	17.45	1.91	1.38
1	3I	65	PHE	CD1-CE1	17.45	1.91	1.38
1	32	65	PHE	CD1-CE1	17.45	1.91	1.38
1	4E	65	PHE	CD1-CE1	17.45	1.91	1.38
1	4Y	65	PHE	CD1-CE1	17.45	1.91	1.38
1	42	82	ARG	CZ-NH1	-17.45	1.08	1.32
1	46	82	ARG	CZ-NH1	-17.45	1.08	1.32
1	5A	82	ARG	CZ-NH1	-17.45	1.08	1.32
1	5U	65	PHE	CD1-CE1	17.45	1.91	1.38
1	52	82	ARG	CZ-NH1	-17.45	1.08	1.32
1	56	82	ARG	CZ-NH1	-17.45	1.08	1.32
1	6A	82	ARG	CZ-NH1	-17.45	1.08	1.32
1	6M	65	PHE	CD1-CE1	17.45	1.91	1.38
1	6U	65	PHE	CD1-CE1	17.45	1.91	1.38
1	7E	65	PHE	CD1-CE1	17.45	1.91	1.38
1	7Q	65	PHE	CD1-CE1	17.45	1.91	1.38
2	1F	57	LYS	CA-CB	-17.45	1.25	1.53
2	2N	57	LYS	CA-CB	-17.45	1.25	1.53
2	23	57	LYS	CA-CB	-17.45	1.25	1.53
2	3N	57	LYS	CA-CB	-17.45	1.25	1.53
2	37	57	LYS	CA-CB	-17.45	1.25	1.53
2	4J	57	LYS	CA-CB	-17.45	1.25	1.53
2	4R	57	LYS	CA-CB	-17.45	1.25	1.53
2	5Z	57	LYS	CA-CB	-17.45	1.25	1.53
2	6F	57	LYS	CA-CB	-17.45	1.25	1.53
2	6Z	57	LYS	CA-CB	-17.45	1.25	1.53
2	7J	57	LYS	CA-CB	-17.45	1.25	1.53
2	7V	57	LYS	CA-CB	-17.45	1.25	1.53
1	1M	95	THR	C-O	17.44	1.46	1.24
1	2I	95	THR	C-O	17.44	1.46	1.24
1	3A	95	THR	C-O	17.44	1.46	1.24
1	3I	95	THR	C-O	17.44	1.46	1.24
1	32	95	THR	C-O	17.44	1.46	1.24
1	4E	95	THR	C-O	17.44	1.46	1.24
1	4Y	95	THR	C-O	17.44	1.46	1.24
1	5U	95	THR	C-O	17.44	1.46	1.24
1	6M	95	THR	C-O	17.44	1.46	1.24
1	6U	95	THR	C-O	17.44	1.46	1.24
1	7E	95	THR	C-O	17.44	1.46	1.24
1	7Q	95	THR	C-O	17.44	1.46	1.24
1	12	95	THR	C-O	17.43	1.46	1.24
1	16	95	THR	C-O	17.43	1.46	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	95	THR	C-O	17.43	1.46	1.24
1	3Q	95	THR	C-O	17.43	1.46	1.24
1	3U	95	THR	C-O	17.43	1.46	1.24
1	3Y	95	THR	C-O	17.43	1.46	1.24
1	5E	95	THR	C-O	17.43	1.46	1.24
1	5I	95	THR	C-O	17.43	1.46	1.24
1	5M	95	THR	C-O	17.43	1.46	1.24
1	62	95	THR	C-O	17.43	1.46	1.24
1	66	95	THR	C-O	17.43	1.46	1.24
1	7A	95	THR	C-O	17.43	1.46	1.24
1	1E	9	PHE	CE1-CZ	17.40	1.90	1.38
1	2M	9	PHE	CE1-CZ	17.40	1.90	1.38
1	22	9	PHE	CE1-CZ	17.40	1.90	1.38
1	3M	9	PHE	CE1-CZ	17.40	1.90	1.38
1	36	9	PHE	CE1-CZ	17.40	1.90	1.38
1	4I	9	PHE	CE1-CZ	17.40	1.90	1.38
1	4Q	9	PHE	CE1-CZ	17.40	1.90	1.38
1	5Y	9	PHE	CE1-CZ	17.40	1.90	1.38
1	6E	9	PHE	CE1-CZ	17.40	1.90	1.38
1	6Y	9	PHE	CE1-CZ	17.40	1.90	1.38
1	7I	9	PHE	CE1-CZ	17.40	1.90	1.38
1	7U	9	PHE	CE1-CZ	17.40	1.90	1.38
1	12	15	SER	C-O	17.39	1.48	1.23
1	16	15	SER	C-O	17.39	1.48	1.23
1	2A	15	SER	C-O	17.39	1.48	1.23
1	3Q	15	SER	C-O	17.39	1.48	1.23
1	3U	15	SER	C-O	17.39	1.48	1.23
1	3Y	15	SER	C-O	17.39	1.48	1.23
1	5E	15	SER	C-O	17.39	1.48	1.23
1	5I	15	SER	C-O	17.39	1.48	1.23
1	5M	15	SER	C-O	17.39	1.48	1.23
1	62	15	SER	C-O	17.39	1.48	1.23
1	66	15	SER	C-O	17.39	1.48	1.23
1	7A	15	SER	C-O	17.39	1.48	1.23
1	1M	9	PHE	CE1-CZ	17.39	1.90	1.38
1	2I	9	PHE	CE1-CZ	17.39	1.90	1.38
1	3A	9	PHE	CE1-CZ	17.39	1.90	1.38
1	3I	9	PHE	CE1-CZ	17.39	1.90	1.38
1	32	9	PHE	CE1-CZ	17.39	1.90	1.38
1	4E	9	PHE	CE1-CZ	17.39	1.90	1.38
1	4Y	9	PHE	CE1-CZ	17.39	1.90	1.38
1	5U	9	PHE	CE1-CZ	17.39	1.90	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	9	PHE	CE1-CZ	17.39	1.90	1.38
1	6U	9	PHE	CE1-CZ	17.39	1.90	1.38
1	7E	9	PHE	CE1-CZ	17.39	1.90	1.38
1	7Q	9	PHE	CE1-CZ	17.39	1.90	1.38
1	1A	9	PHE	CE1-CZ	17.39	1.90	1.38
1	1I	9	PHE	CE1-CZ	17.39	1.90	1.38
1	2E	9	PHE	CE1-CZ	17.39	1.90	1.38
1	26	9	PHE	CE1-CZ	17.39	1.90	1.38
1	3E	9	PHE	CE1-CZ	17.39	1.90	1.38
1	4A	9	PHE	CE1-CZ	17.39	1.90	1.38
1	4M	9	PHE	CE1-CZ	17.39	1.90	1.38
1	4U	9	PHE	CE1-CZ	17.39	1.90	1.38
1	5Q	9	PHE	CE1-CZ	17.39	1.90	1.38
1	6I	9	PHE	CE1-CZ	17.39	1.90	1.38
1	6Q	9	PHE	CE1-CZ	17.39	1.90	1.38
1	7M	9	PHE	CE1-CZ	17.39	1.90	1.38
1	1Q	9	PHE	CE1-CZ	17.38	1.90	1.38
1	1U	9	PHE	CE1-CZ	17.38	1.90	1.38
1	1Y	9	PHE	CE1-CZ	17.38	1.90	1.38
1	12	9	PHE	CE1-CZ	17.38	1.90	1.38
1	16	9	PHE	CE1-CZ	17.38	1.90	1.38
1	2A	9	PHE	CE1-CZ	17.38	1.90	1.38
1	2Q	9	PHE	CE1-CZ	17.38	1.90	1.38
1	2U	9	PHE	CE1-CZ	17.38	1.90	1.38
1	2Y	9	PHE	CE1-CZ	17.38	1.90	1.38
1	3Q	9	PHE	CE1-CZ	17.38	1.90	1.38
1	3U	9	PHE	CE1-CZ	17.38	1.90	1.38
1	3Y	9	PHE	CE1-CZ	17.38	1.90	1.38
1	42	9	PHE	CE1-CZ	17.38	1.90	1.38
1	46	9	PHE	CE1-CZ	17.38	1.90	1.38
1	5A	9	PHE	CE1-CZ	17.38	1.90	1.38
1	5E	9	PHE	CE1-CZ	17.38	1.90	1.38
1	5I	9	PHE	CE1-CZ	17.38	1.90	1.38
1	5M	9	PHE	CE1-CZ	17.38	1.90	1.38
1	52	9	PHE	CE1-CZ	17.38	1.90	1.38
1	56	9	PHE	CE1-CZ	17.38	1.90	1.38
1	6A	9	PHE	CE1-CZ	17.38	1.90	1.38
1	62	9	PHE	CE1-CZ	17.38	1.90	1.38
1	66	9	PHE	CE1-CZ	17.38	1.90	1.38
1	7A	9	PHE	CE1-CZ	17.38	1.90	1.38
1	1A	80	PHE	CA-CB	17.37	1.81	1.53
1	1I	80	PHE	CA-CB	17.37	1.81	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	80	PHE	CA-CB	17.37	1.81	1.53
1	26	80	PHE	CA-CB	17.37	1.81	1.53
1	3E	80	PHE	CA-CB	17.37	1.81	1.53
1	4A	80	PHE	CA-CB	17.37	1.81	1.53
1	4M	80	PHE	CA-CB	17.37	1.81	1.53
1	4U	80	PHE	CA-CB	17.37	1.81	1.53
1	5Q	80	PHE	CA-CB	17.37	1.81	1.53
1	6I	80	PHE	CA-CB	17.37	1.81	1.53
1	6Q	80	PHE	CA-CB	17.37	1.81	1.53
1	7M	80	PHE	CA-CB	17.37	1.81	1.53
1	1M	171	ARG	C-N	17.35	1.57	1.33
1	2I	171	ARG	C-N	17.35	1.57	1.33
1	3A	171	ARG	C-N	17.35	1.57	1.33
1	3I	171	ARG	C-N	17.35	1.57	1.33
1	32	171	ARG	C-N	17.35	1.57	1.33
1	4E	171	ARG	C-N	17.35	1.57	1.33
1	4Y	171	ARG	C-N	17.35	1.57	1.33
1	5U	171	ARG	C-N	17.35	1.57	1.33
1	6M	171	ARG	C-N	17.35	1.57	1.33
1	6U	171	ARG	C-N	17.35	1.57	1.33
1	7E	171	ARG	C-N	17.35	1.57	1.33
1	7Q	171	ARG	C-N	17.35	1.57	1.33
1	12	80	PHE	CA-CB	17.34	1.81	1.53
1	16	80	PHE	CA-CB	17.34	1.81	1.53
1	2A	80	PHE	CA-CB	17.34	1.81	1.53
1	3Q	80	PHE	CA-CB	17.34	1.81	1.53
1	3U	80	PHE	CA-CB	17.34	1.81	1.53
1	3Y	80	PHE	CA-CB	17.34	1.81	1.53
1	5E	80	PHE	CA-CB	17.34	1.81	1.53
1	5I	80	PHE	CA-CB	17.34	1.81	1.53
1	5M	80	PHE	CA-CB	17.34	1.81	1.53
1	62	80	PHE	CA-CB	17.34	1.81	1.53
1	66	80	PHE	CA-CB	17.34	1.81	1.53
1	7A	80	PHE	CA-CB	17.34	1.81	1.53
1	1A	171	ARG	C-N	17.34	1.57	1.33
1	1I	171	ARG	C-N	17.34	1.57	1.33
1	2E	171	ARG	C-N	17.34	1.57	1.33
1	26	171	ARG	C-N	17.34	1.57	1.33
1	3E	171	ARG	C-N	17.34	1.57	1.33
1	4A	171	ARG	C-N	17.34	1.57	1.33
1	4M	171	ARG	C-N	17.34	1.57	1.33
1	4U	171	ARG	C-N	17.34	1.57	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	171	ARG	C-N	17.34	1.57	1.33
1	6I	171	ARG	C-N	17.34	1.57	1.33
1	6Q	171	ARG	C-N	17.34	1.57	1.33
1	7M	171	ARG	C-N	17.34	1.57	1.33
1	1M	80	PHE	CA-CB	17.34	1.81	1.53
1	2I	80	PHE	CA-CB	17.34	1.81	1.53
1	3A	80	PHE	CA-CB	17.34	1.81	1.53
1	3I	80	PHE	CA-CB	17.34	1.81	1.53
1	32	80	PHE	CA-CB	17.34	1.81	1.53
1	4E	80	PHE	CA-CB	17.34	1.81	1.53
1	4Y	80	PHE	CA-CB	17.34	1.81	1.53
1	5U	80	PHE	CA-CB	17.34	1.81	1.53
1	6M	80	PHE	CA-CB	17.34	1.81	1.53
1	6U	80	PHE	CA-CB	17.34	1.81	1.53
1	7E	80	PHE	CA-CB	17.34	1.81	1.53
1	7Q	80	PHE	CA-CB	17.34	1.81	1.53
1	1A	15	SER	C-O	17.34	1.48	1.23
1	1I	15	SER	C-O	17.34	1.48	1.23
1	2E	15	SER	C-O	17.34	1.48	1.23
1	26	15	SER	C-O	17.34	1.48	1.23
1	3E	15	SER	C-O	17.34	1.48	1.23
1	4A	15	SER	C-O	17.34	1.48	1.23
1	4M	15	SER	C-O	17.34	1.48	1.23
1	4U	15	SER	C-O	17.34	1.48	1.23
1	5Q	15	SER	C-O	17.34	1.48	1.23
1	6I	15	SER	C-O	17.34	1.48	1.23
1	6Q	15	SER	C-O	17.34	1.48	1.23
1	7M	15	SER	C-O	17.34	1.48	1.23
1	1E	15	SER	C-O	17.33	1.48	1.23
1	2M	15	SER	C-O	17.33	1.48	1.23
1	22	15	SER	C-O	17.33	1.48	1.23
1	3M	15	SER	C-O	17.33	1.48	1.23
1	36	15	SER	C-O	17.33	1.48	1.23
1	4I	15	SER	C-O	17.33	1.48	1.23
1	4Q	15	SER	C-O	17.33	1.48	1.23
1	5Y	15	SER	C-O	17.33	1.48	1.23
1	6E	15	SER	C-O	17.33	1.48	1.23
1	6Y	15	SER	C-O	17.33	1.48	1.23
1	7I	15	SER	C-O	17.33	1.48	1.23
1	7U	15	SER	C-O	17.33	1.48	1.23
1	1M	15	SER	C-O	17.33	1.48	1.23
1	2I	15	SER	C-O	17.33	1.48	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	15	SER	C-O	17.33	1.48	1.23
1	3I	15	SER	C-O	17.33	1.48	1.23
1	32	15	SER	C-O	17.33	1.48	1.23
1	4E	15	SER	C-O	17.33	1.48	1.23
1	4Y	15	SER	C-O	17.33	1.48	1.23
1	5U	15	SER	C-O	17.33	1.48	1.23
1	6M	15	SER	C-O	17.33	1.48	1.23
1	6U	15	SER	C-O	17.33	1.48	1.23
1	7E	15	SER	C-O	17.33	1.48	1.23
1	7Q	15	SER	C-O	17.33	1.48	1.23
1	12	171	ARG	C-N	17.32	1.57	1.33
1	16	171	ARG	C-N	17.32	1.57	1.33
1	2A	171	ARG	C-N	17.32	1.57	1.33
1	3Q	171	ARG	C-N	17.32	1.57	1.33
1	3U	171	ARG	C-N	17.32	1.57	1.33
1	3Y	171	ARG	C-N	17.32	1.57	1.33
1	5E	171	ARG	C-N	17.32	1.57	1.33
1	5I	171	ARG	C-N	17.32	1.57	1.33
1	5M	171	ARG	C-N	17.32	1.57	1.33
1	62	171	ARG	C-N	17.32	1.57	1.33
1	66	171	ARG	C-N	17.32	1.57	1.33
1	7A	171	ARG	C-N	17.32	1.57	1.33
1	1E	171	ARG	C-N	17.32	1.57	1.33
1	1Q	15	SER	C-O	17.32	1.48	1.23
1	1U	15	SER	C-O	17.32	1.48	1.23
1	1Y	15	SER	C-O	17.32	1.48	1.23
1	2M	171	ARG	C-N	17.32	1.57	1.33
1	2Q	15	SER	C-O	17.32	1.48	1.23
1	2U	15	SER	C-O	17.32	1.48	1.23
1	2Y	15	SER	C-O	17.32	1.48	1.23
1	22	171	ARG	C-N	17.32	1.57	1.33
1	3M	171	ARG	C-N	17.32	1.57	1.33
1	36	171	ARG	C-N	17.32	1.57	1.33
1	4I	171	ARG	C-N	17.32	1.57	1.33
1	4Q	171	ARG	C-N	17.32	1.57	1.33
1	42	15	SER	C-O	17.32	1.48	1.23
1	46	15	SER	C-O	17.32	1.48	1.23
1	5A	15	SER	C-O	17.32	1.48	1.23
1	5Y	171	ARG	C-N	17.32	1.57	1.33
1	52	15	SER	C-O	17.32	1.48	1.23
1	56	15	SER	C-O	17.32	1.48	1.23
1	6A	15	SER	C-O	17.32	1.48	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	171	ARG	C-N	17.32	1.57	1.33
1	6Y	171	ARG	C-N	17.32	1.57	1.33
1	7I	171	ARG	C-N	17.32	1.57	1.33
1	7U	171	ARG	C-N	17.32	1.57	1.33
1	1E	80	PHE	CA-CB	17.32	1.81	1.53
1	2M	80	PHE	CA-CB	17.32	1.81	1.53
1	22	80	PHE	CA-CB	17.32	1.81	1.53
1	3M	80	PHE	CA-CB	17.32	1.81	1.53
1	36	80	PHE	CA-CB	17.32	1.81	1.53
1	4I	80	PHE	CA-CB	17.32	1.81	1.53
1	4Q	80	PHE	CA-CB	17.32	1.81	1.53
1	5Y	80	PHE	CA-CB	17.32	1.81	1.53
1	6E	80	PHE	CA-CB	17.32	1.81	1.53
1	6Y	80	PHE	CA-CB	17.32	1.81	1.53
1	7I	80	PHE	CA-CB	17.32	1.81	1.53
1	7U	80	PHE	CA-CB	17.32	1.81	1.53
1	1Q	171	ARG	C-N	17.31	1.57	1.33
1	1U	171	ARG	C-N	17.31	1.57	1.33
1	1Y	171	ARG	C-N	17.31	1.57	1.33
1	2Q	171	ARG	C-N	17.31	1.57	1.33
1	2U	171	ARG	C-N	17.31	1.57	1.33
1	2Y	171	ARG	C-N	17.31	1.57	1.33
1	42	171	ARG	C-N	17.31	1.57	1.33
1	46	171	ARG	C-N	17.31	1.57	1.33
1	5A	171	ARG	C-N	17.31	1.57	1.33
1	52	171	ARG	C-N	17.31	1.57	1.33
1	56	171	ARG	C-N	17.31	1.57	1.33
1	6A	171	ARG	C-N	17.31	1.57	1.33
1	1Q	80	PHE	CA-CB	17.31	1.81	1.53
1	1U	80	PHE	CA-CB	17.31	1.81	1.53
1	1Y	80	PHE	CA-CB	17.31	1.81	1.53
1	2Q	80	PHE	CA-CB	17.31	1.81	1.53
1	2U	80	PHE	CA-CB	17.31	1.81	1.53
1	2Y	80	PHE	CA-CB	17.31	1.81	1.53
1	42	80	PHE	CA-CB	17.31	1.81	1.53
1	46	80	PHE	CA-CB	17.31	1.81	1.53
1	5A	80	PHE	CA-CB	17.31	1.81	1.53
1	52	80	PHE	CA-CB	17.31	1.81	1.53
1	56	80	PHE	CA-CB	17.31	1.81	1.53
1	6A	80	PHE	CA-CB	17.31	1.81	1.53
2	1B	37	ASN	CA-CB	17.30	1.82	1.53
2	1J	37	ASN	CA-CB	17.30	1.82	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	37	ASN	CA-CB	17.30	1.82	1.53
2	27	37	ASN	CA-CB	17.30	1.82	1.53
2	3F	37	ASN	CA-CB	17.30	1.82	1.53
2	4B	37	ASN	CA-CB	17.30	1.82	1.53
2	4N	37	ASN	CA-CB	17.30	1.82	1.53
2	4V	37	ASN	CA-CB	17.30	1.82	1.53
2	5R	37	ASN	CA-CB	17.30	1.82	1.53
2	6J	37	ASN	CA-CB	17.30	1.82	1.53
2	6R	37	ASN	CA-CB	17.30	1.82	1.53
2	7N	37	ASN	CA-CB	17.30	1.82	1.53
2	1F	37	ASN	CA-CB	17.30	1.82	1.53
2	2N	37	ASN	CA-CB	17.30	1.82	1.53
2	23	37	ASN	CA-CB	17.30	1.82	1.53
2	3N	37	ASN	CA-CB	17.30	1.82	1.53
2	37	37	ASN	CA-CB	17.30	1.82	1.53
2	4J	37	ASN	CA-CB	17.30	1.82	1.53
2	4R	37	ASN	CA-CB	17.30	1.82	1.53
2	5Z	37	ASN	CA-CB	17.30	1.82	1.53
2	6F	37	ASN	CA-CB	17.30	1.82	1.53
2	6Z	37	ASN	CA-CB	17.30	1.82	1.53
2	7J	37	ASN	CA-CB	17.30	1.82	1.53
2	7V	37	ASN	CA-CB	17.30	1.82	1.53
2	1N	37	ASN	CA-CB	17.29	1.82	1.53
2	2J	37	ASN	CA-CB	17.29	1.82	1.53
2	3B	37	ASN	CA-CB	17.29	1.82	1.53
2	3J	37	ASN	CA-CB	17.29	1.82	1.53
2	33	37	ASN	CA-CB	17.29	1.82	1.53
2	4F	37	ASN	CA-CB	17.29	1.82	1.53
2	4Z	37	ASN	CA-CB	17.29	1.82	1.53
2	5V	37	ASN	CA-CB	17.29	1.82	1.53
2	6N	37	ASN	CA-CB	17.29	1.82	1.53
2	6V	37	ASN	CA-CB	17.29	1.82	1.53
2	7F	37	ASN	CA-CB	17.29	1.82	1.53
2	7R	37	ASN	CA-CB	17.29	1.82	1.53
2	1R	37	ASN	CA-CB	17.28	1.82	1.53
2	1V	37	ASN	CA-CB	17.28	1.82	1.53
2	1Z	37	ASN	CA-CB	17.28	1.82	1.53
2	2R	37	ASN	CA-CB	17.28	1.82	1.53
2	2V	37	ASN	CA-CB	17.28	1.82	1.53
2	2Z	37	ASN	CA-CB	17.28	1.82	1.53
2	43	37	ASN	CA-CB	17.28	1.82	1.53
2	47	37	ASN	CA-CB	17.28	1.82	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	37	ASN	CA-CB	17.28	1.82	1.53
2	53	37	ASN	CA-CB	17.28	1.82	1.53
2	57	37	ASN	CA-CB	17.28	1.82	1.53
2	6B	37	ASN	CA-CB	17.28	1.82	1.53
2	13	37	ASN	CA-CB	17.27	1.82	1.53
2	17	37	ASN	CA-CB	17.27	1.82	1.53
2	2B	37	ASN	CA-CB	17.27	1.82	1.53
2	3R	37	ASN	CA-CB	17.27	1.82	1.53
2	3V	37	ASN	CA-CB	17.27	1.82	1.53
2	3Z	37	ASN	CA-CB	17.27	1.82	1.53
2	5F	37	ASN	CA-CB	17.27	1.82	1.53
2	5J	37	ASN	CA-CB	17.27	1.82	1.53
2	5N	37	ASN	CA-CB	17.27	1.82	1.53
2	63	37	ASN	CA-CB	17.27	1.82	1.53
2	67	37	ASN	CA-CB	17.27	1.82	1.53
2	7B	37	ASN	CA-CB	17.27	1.82	1.53
1	1E	81	ASN	C-O	-17.23	1.02	1.23
1	2M	81	ASN	C-O	-17.23	1.02	1.23
1	22	81	ASN	C-O	-17.23	1.02	1.23
1	3M	81	ASN	C-O	-17.23	1.02	1.23
1	36	81	ASN	C-O	-17.23	1.02	1.23
1	4I	81	ASN	C-O	-17.23	1.02	1.23
1	4Q	81	ASN	C-O	-17.23	1.02	1.23
1	5Y	81	ASN	C-O	-17.23	1.02	1.23
1	6E	81	ASN	C-O	-17.23	1.02	1.23
1	6Y	81	ASN	C-O	-17.23	1.02	1.23
1	7I	81	ASN	C-O	-17.23	1.02	1.23
1	7U	81	ASN	C-O	-17.23	1.02	1.23
1	1M	89	PHE	CG-CD2	17.22	1.75	1.38
1	2I	89	PHE	CG-CD2	17.22	1.75	1.38
1	3A	89	PHE	CG-CD2	17.22	1.75	1.38
1	3I	89	PHE	CG-CD2	17.22	1.75	1.38
1	32	89	PHE	CG-CD2	17.22	1.75	1.38
1	4E	89	PHE	CG-CD2	17.22	1.75	1.38
1	4Y	89	PHE	CG-CD2	17.22	1.75	1.38
1	5U	89	PHE	CG-CD2	17.22	1.75	1.38
1	6M	89	PHE	CG-CD2	17.22	1.75	1.38
1	6U	89	PHE	CG-CD2	17.22	1.75	1.38
1	7E	89	PHE	CG-CD2	17.22	1.75	1.38
1	7Q	89	PHE	CG-CD2	17.22	1.75	1.38
1	12	89	PHE	CG-CD2	17.22	1.75	1.38
1	16	89	PHE	CG-CD2	17.22	1.75	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	89	PHE	CG-CD2	17.22	1.75	1.38
1	3Q	89	PHE	CG-CD2	17.22	1.75	1.38
1	3U	89	PHE	CG-CD2	17.22	1.75	1.38
1	3Y	89	PHE	CG-CD2	17.22	1.75	1.38
1	5E	89	PHE	CG-CD2	17.22	1.75	1.38
1	5I	89	PHE	CG-CD2	17.22	1.75	1.38
1	5M	89	PHE	CG-CD2	17.22	1.75	1.38
1	62	89	PHE	CG-CD2	17.22	1.75	1.38
1	66	89	PHE	CG-CD2	17.22	1.75	1.38
1	7A	89	PHE	CG-CD2	17.22	1.75	1.38
1	1Q	89	PHE	CG-CD2	17.20	1.75	1.38
1	1U	89	PHE	CG-CD2	17.20	1.75	1.38
1	1Y	89	PHE	CG-CD2	17.20	1.75	1.38
1	2Q	89	PHE	CG-CD2	17.20	1.75	1.38
1	2U	89	PHE	CG-CD2	17.20	1.75	1.38
1	2Y	89	PHE	CG-CD2	17.20	1.75	1.38
1	42	89	PHE	CG-CD2	17.20	1.75	1.38
1	46	89	PHE	CG-CD2	17.20	1.75	1.38
1	5A	89	PHE	CG-CD2	17.20	1.75	1.38
1	52	89	PHE	CG-CD2	17.20	1.75	1.38
1	56	89	PHE	CG-CD2	17.20	1.75	1.38
1	6A	89	PHE	CG-CD2	17.20	1.75	1.38
1	1A	89	PHE	CG-CD2	17.20	1.75	1.38
1	1E	89	PHE	CG-CD2	17.20	1.75	1.38
1	1I	89	PHE	CG-CD2	17.20	1.75	1.38
1	2E	89	PHE	CG-CD2	17.20	1.75	1.38
1	2M	89	PHE	CG-CD2	17.20	1.75	1.38
1	22	89	PHE	CG-CD2	17.20	1.75	1.38
1	26	89	PHE	CG-CD2	17.20	1.75	1.38
1	3E	89	PHE	CG-CD2	17.20	1.75	1.38
1	3M	89	PHE	CG-CD2	17.20	1.75	1.38
1	36	89	PHE	CG-CD2	17.20	1.75	1.38
1	4A	89	PHE	CG-CD2	17.20	1.75	1.38
1	4I	89	PHE	CG-CD2	17.20	1.75	1.38
1	4M	89	PHE	CG-CD2	17.20	1.75	1.38
1	4Q	89	PHE	CG-CD2	17.20	1.75	1.38
1	4U	89	PHE	CG-CD2	17.20	1.75	1.38
1	5Q	89	PHE	CG-CD2	17.20	1.75	1.38
1	5Y	89	PHE	CG-CD2	17.20	1.75	1.38
1	6E	89	PHE	CG-CD2	17.20	1.75	1.38
1	6I	89	PHE	CG-CD2	17.20	1.75	1.38
1	6Q	89	PHE	CG-CD2	17.20	1.75	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6Y	89	PHE	CG-CD2	17.20	1.75	1.38
1	7I	89	PHE	CG-CD2	17.20	1.75	1.38
1	7M	89	PHE	CG-CD2	17.20	1.75	1.38
1	7U	89	PHE	CG-CD2	17.20	1.75	1.38
1	1M	81	ASN	C-O	-17.20	1.02	1.23
1	2I	81	ASN	C-O	-17.20	1.02	1.23
1	3A	81	ASN	C-O	-17.20	1.02	1.23
1	3I	81	ASN	C-O	-17.20	1.02	1.23
1	32	81	ASN	C-O	-17.20	1.02	1.23
1	4E	81	ASN	C-O	-17.20	1.02	1.23
1	4Y	81	ASN	C-O	-17.20	1.02	1.23
1	5U	81	ASN	C-O	-17.20	1.02	1.23
1	6M	81	ASN	C-O	-17.20	1.02	1.23
1	6U	81	ASN	C-O	-17.20	1.02	1.23
1	7E	81	ASN	C-O	-17.20	1.02	1.23
1	7Q	81	ASN	C-O	-17.20	1.02	1.23
1	1A	50	ARG	CA-CB	-17.19	1.24	1.53
1	1I	50	ARG	CA-CB	-17.19	1.24	1.53
1	2E	50	ARG	CA-CB	-17.19	1.24	1.53
1	26	50	ARG	CA-CB	-17.19	1.24	1.53
1	3E	50	ARG	CA-CB	-17.19	1.24	1.53
1	4A	50	ARG	CA-CB	-17.19	1.24	1.53
1	4M	50	ARG	CA-CB	-17.19	1.24	1.53
1	4U	50	ARG	CA-CB	-17.19	1.24	1.53
1	5Q	50	ARG	CA-CB	-17.19	1.24	1.53
1	6I	50	ARG	CA-CB	-17.19	1.24	1.53
1	6Q	50	ARG	CA-CB	-17.19	1.24	1.53
1	7M	50	ARG	CA-CB	-17.19	1.24	1.53
1	1Q	50	ARG	CA-CB	-17.19	1.24	1.53
1	1U	50	ARG	CA-CB	-17.19	1.24	1.53
1	1Y	50	ARG	CA-CB	-17.19	1.24	1.53
1	2Q	50	ARG	CA-CB	-17.19	1.24	1.53
1	2U	50	ARG	CA-CB	-17.19	1.24	1.53
1	2Y	50	ARG	CA-CB	-17.19	1.24	1.53
1	42	50	ARG	CA-CB	-17.19	1.24	1.53
1	46	50	ARG	CA-CB	-17.19	1.24	1.53
1	5A	50	ARG	CA-CB	-17.19	1.24	1.53
1	52	50	ARG	CA-CB	-17.19	1.24	1.53
1	56	50	ARG	CA-CB	-17.19	1.24	1.53
1	6A	50	ARG	CA-CB	-17.19	1.24	1.53
1	12	50	ARG	CA-CB	-17.19	1.24	1.53
1	16	50	ARG	CA-CB	-17.19	1.24	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	50	ARG	CA-CB	-17.19	1.24	1.53
1	3Q	50	ARG	CA-CB	-17.19	1.24	1.53
1	3U	50	ARG	CA-CB	-17.19	1.24	1.53
1	3Y	50	ARG	CA-CB	-17.19	1.24	1.53
1	5E	50	ARG	CA-CB	-17.19	1.24	1.53
1	5I	50	ARG	CA-CB	-17.19	1.24	1.53
1	5M	50	ARG	CA-CB	-17.19	1.24	1.53
1	62	50	ARG	CA-CB	-17.19	1.24	1.53
1	66	50	ARG	CA-CB	-17.19	1.24	1.53
1	7A	50	ARG	CA-CB	-17.19	1.24	1.53
1	1Q	81	ASN	C-O	-17.18	1.02	1.23
1	1U	81	ASN	C-O	-17.18	1.02	1.23
1	1Y	81	ASN	C-O	-17.18	1.02	1.23
1	2Q	81	ASN	C-O	-17.18	1.02	1.23
1	2U	81	ASN	C-O	-17.18	1.02	1.23
1	2Y	81	ASN	C-O	-17.18	1.02	1.23
1	42	81	ASN	C-O	-17.18	1.02	1.23
1	46	81	ASN	C-O	-17.18	1.02	1.23
1	5A	81	ASN	C-O	-17.18	1.02	1.23
1	52	81	ASN	C-O	-17.18	1.02	1.23
1	56	81	ASN	C-O	-17.18	1.02	1.23
1	6A	81	ASN	C-O	-17.18	1.02	1.23
1	1E	50	ARG	CA-CB	-17.18	1.24	1.53
1	2M	50	ARG	CA-CB	-17.18	1.24	1.53
1	22	50	ARG	CA-CB	-17.18	1.24	1.53
1	3M	50	ARG	CA-CB	-17.18	1.24	1.53
1	36	50	ARG	CA-CB	-17.18	1.24	1.53
1	4I	50	ARG	CA-CB	-17.18	1.24	1.53
1	4Q	50	ARG	CA-CB	-17.18	1.24	1.53
1	5Y	50	ARG	CA-CB	-17.18	1.24	1.53
1	6E	50	ARG	CA-CB	-17.18	1.24	1.53
1	6Y	50	ARG	CA-CB	-17.18	1.24	1.53
1	7I	50	ARG	CA-CB	-17.18	1.24	1.53
1	7U	50	ARG	CA-CB	-17.18	1.24	1.53
1	1A	81	ASN	C-O	-17.18	1.02	1.23
1	1I	81	ASN	C-O	-17.18	1.02	1.23
1	2E	81	ASN	C-O	-17.18	1.02	1.23
1	26	81	ASN	C-O	-17.18	1.02	1.23
1	3E	81	ASN	C-O	-17.18	1.02	1.23
1	4A	81	ASN	C-O	-17.18	1.02	1.23
1	4M	81	ASN	C-O	-17.18	1.02	1.23
1	4U	81	ASN	C-O	-17.18	1.02	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	81	ASN	C-O	-17.18	1.02	1.23
1	6I	81	ASN	C-O	-17.18	1.02	1.23
1	6Q	81	ASN	C-O	-17.18	1.02	1.23
1	7M	81	ASN	C-O	-17.18	1.02	1.23
1	1M	50	ARG	CA-CB	-17.18	1.24	1.53
1	2I	50	ARG	CA-CB	-17.18	1.24	1.53
1	3A	50	ARG	CA-CB	-17.18	1.24	1.53
1	3I	50	ARG	CA-CB	-17.18	1.24	1.53
1	32	50	ARG	CA-CB	-17.18	1.24	1.53
1	4E	50	ARG	CA-CB	-17.18	1.24	1.53
1	4Y	50	ARG	CA-CB	-17.18	1.24	1.53
1	5U	50	ARG	CA-CB	-17.18	1.24	1.53
1	6M	50	ARG	CA-CB	-17.18	1.24	1.53
1	6U	50	ARG	CA-CB	-17.18	1.24	1.53
1	7E	50	ARG	CA-CB	-17.18	1.24	1.53
1	7Q	50	ARG	CA-CB	-17.18	1.24	1.53
1	12	81	ASN	C-O	-17.17	1.02	1.23
1	16	81	ASN	C-O	-17.17	1.02	1.23
1	2A	81	ASN	C-O	-17.17	1.02	1.23
1	3Q	81	ASN	C-O	-17.17	1.02	1.23
1	3U	81	ASN	C-O	-17.17	1.02	1.23
1	3Y	81	ASN	C-O	-17.17	1.02	1.23
1	5E	81	ASN	C-O	-17.17	1.02	1.23
1	5I	81	ASN	C-O	-17.17	1.02	1.23
1	5M	81	ASN	C-O	-17.17	1.02	1.23
1	62	81	ASN	C-O	-17.17	1.02	1.23
1	66	81	ASN	C-O	-17.17	1.02	1.23
1	7A	81	ASN	C-O	-17.17	1.02	1.23
1	1M	182	PHE	CD1-CE1	17.16	1.90	1.38
1	2I	182	PHE	CD1-CE1	17.16	1.90	1.38
1	3A	182	PHE	CD1-CE1	17.16	1.90	1.38
1	3I	182	PHE	CD1-CE1	17.16	1.90	1.38
1	32	182	PHE	CD1-CE1	17.16	1.90	1.38
1	4E	182	PHE	CD1-CE1	17.16	1.90	1.38
1	4Y	182	PHE	CD1-CE1	17.16	1.90	1.38
1	5U	182	PHE	CD1-CE1	17.16	1.90	1.38
1	6M	182	PHE	CD1-CE1	17.16	1.90	1.38
1	6U	182	PHE	CD1-CE1	17.16	1.90	1.38
1	7E	182	PHE	CD1-CE1	17.16	1.90	1.38
1	7Q	182	PHE	CD1-CE1	17.16	1.90	1.38
1	1E	182	PHE	CD1-CE1	17.14	1.90	1.38
1	2M	182	PHE	CD1-CE1	17.14	1.90	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	182	PHE	CD1-CE1	17.14	1.90	1.38
1	3M	182	PHE	CD1-CE1	17.14	1.90	1.38
1	36	182	PHE	CD1-CE1	17.14	1.90	1.38
1	4I	182	PHE	CD1-CE1	17.14	1.90	1.38
1	4Q	182	PHE	CD1-CE1	17.14	1.90	1.38
1	5Y	182	PHE	CD1-CE1	17.14	1.90	1.38
1	6E	182	PHE	CD1-CE1	17.14	1.90	1.38
1	6Y	182	PHE	CD1-CE1	17.14	1.90	1.38
1	7I	182	PHE	CD1-CE1	17.14	1.90	1.38
1	7U	182	PHE	CD1-CE1	17.14	1.90	1.38
1	1Q	65	PHE	CA-C	17.14	1.73	1.52
1	1U	65	PHE	CA-C	17.14	1.73	1.52
1	1Y	65	PHE	CA-C	17.14	1.73	1.52
1	2Q	65	PHE	CA-C	17.14	1.73	1.52
1	2U	65	PHE	CA-C	17.14	1.73	1.52
1	2Y	65	PHE	CA-C	17.14	1.73	1.52
1	42	65	PHE	CA-C	17.14	1.73	1.52
1	46	65	PHE	CA-C	17.14	1.73	1.52
1	5A	65	PHE	CA-C	17.14	1.73	1.52
1	52	65	PHE	CA-C	17.14	1.73	1.52
1	56	65	PHE	CA-C	17.14	1.73	1.52
1	6A	65	PHE	CA-C	17.14	1.73	1.52
2	13	208	SER	CA-CB	17.14	1.78	1.54
2	17	208	SER	CA-CB	17.14	1.78	1.54
2	2B	208	SER	CA-CB	17.14	1.78	1.54
2	3R	208	SER	CA-CB	17.14	1.78	1.54
2	3V	208	SER	CA-CB	17.14	1.78	1.54
2	3Z	208	SER	CA-CB	17.14	1.78	1.54
2	5F	208	SER	CA-CB	17.14	1.78	1.54
2	5J	208	SER	CA-CB	17.14	1.78	1.54
2	5N	208	SER	CA-CB	17.14	1.78	1.54
2	63	208	SER	CA-CB	17.14	1.78	1.54
2	67	208	SER	CA-CB	17.14	1.78	1.54
2	7B	208	SER	CA-CB	17.14	1.78	1.54
2	1N	208	SER	CA-CB	17.13	1.78	1.54
2	2J	208	SER	CA-CB	17.13	1.78	1.54
2	3B	208	SER	CA-CB	17.13	1.78	1.54
2	3J	208	SER	CA-CB	17.13	1.78	1.54
2	33	208	SER	CA-CB	17.13	1.78	1.54
2	4F	208	SER	CA-CB	17.13	1.78	1.54
2	4Z	208	SER	CA-CB	17.13	1.78	1.54
2	5V	208	SER	CA-CB	17.13	1.78	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	208	SER	CA-CB	17.13	1.78	1.54
2	6V	208	SER	CA-CB	17.13	1.78	1.54
2	7F	208	SER	CA-CB	17.13	1.78	1.54
2	7R	208	SER	CA-CB	17.13	1.78	1.54
1	1A	65	PHE	CA-C	17.12	1.73	1.52
1	1A	182	PHE	CD1-CE1	17.12	1.90	1.38
1	1I	65	PHE	CA-C	17.12	1.73	1.52
1	1I	182	PHE	CD1-CE1	17.12	1.90	1.38
1	2E	65	PHE	CA-C	17.12	1.73	1.52
1	2E	182	PHE	CD1-CE1	17.12	1.90	1.38
1	26	65	PHE	CA-C	17.12	1.73	1.52
1	26	182	PHE	CD1-CE1	17.12	1.90	1.38
1	3E	65	PHE	CA-C	17.12	1.73	1.52
1	3E	182	PHE	CD1-CE1	17.12	1.90	1.38
1	4A	65	PHE	CA-C	17.12	1.73	1.52
1	4A	182	PHE	CD1-CE1	17.12	1.90	1.38
1	4M	65	PHE	CA-C	17.12	1.73	1.52
1	4M	182	PHE	CD1-CE1	17.12	1.90	1.38
1	4U	65	PHE	CA-C	17.12	1.73	1.52
1	4U	182	PHE	CD1-CE1	17.12	1.90	1.38
1	5Q	65	PHE	CA-C	17.12	1.73	1.52
1	5Q	182	PHE	CD1-CE1	17.12	1.90	1.38
1	6I	65	PHE	CA-C	17.12	1.73	1.52
1	6I	182	PHE	CD1-CE1	17.12	1.90	1.38
1	6Q	65	PHE	CA-C	17.12	1.73	1.52
1	6Q	182	PHE	CD1-CE1	17.12	1.90	1.38
1	7M	65	PHE	CA-C	17.12	1.73	1.52
1	7M	182	PHE	CD1-CE1	17.12	1.90	1.38
1	1Q	182	PHE	CD1-CE1	17.12	1.90	1.38
1	1U	182	PHE	CD1-CE1	17.12	1.90	1.38
1	1Y	182	PHE	CD1-CE1	17.12	1.90	1.38
1	2Q	182	PHE	CD1-CE1	17.12	1.90	1.38
1	2U	182	PHE	CD1-CE1	17.12	1.90	1.38
1	2Y	182	PHE	CD1-CE1	17.12	1.90	1.38
1	42	182	PHE	CD1-CE1	17.12	1.90	1.38
1	46	182	PHE	CD1-CE1	17.12	1.90	1.38
1	5A	182	PHE	CD1-CE1	17.12	1.90	1.38
1	52	182	PHE	CD1-CE1	17.12	1.90	1.38
1	56	182	PHE	CD1-CE1	17.12	1.90	1.38
1	6A	182	PHE	CD1-CE1	17.12	1.90	1.38
1	12	182	PHE	CD1-CE1	17.12	1.90	1.38
1	16	182	PHE	CD1-CE1	17.12	1.90	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	182	PHE	CD1-CE1	17.12	1.90	1.38
1	3Q	182	PHE	CD1-CE1	17.12	1.90	1.38
1	3U	182	PHE	CD1-CE1	17.12	1.90	1.38
1	3Y	182	PHE	CD1-CE1	17.12	1.90	1.38
1	5E	182	PHE	CD1-CE1	17.12	1.90	1.38
1	5I	182	PHE	CD1-CE1	17.12	1.90	1.38
1	5M	182	PHE	CD1-CE1	17.12	1.90	1.38
1	62	182	PHE	CD1-CE1	17.12	1.90	1.38
1	66	182	PHE	CD1-CE1	17.12	1.90	1.38
1	7A	182	PHE	CD1-CE1	17.12	1.90	1.38
2	1R	25	SER	C-N	17.11	1.58	1.33
2	1V	25	SER	C-N	17.11	1.58	1.33
2	1Z	25	SER	C-N	17.11	1.58	1.33
2	2R	25	SER	C-N	17.11	1.58	1.33
2	2V	25	SER	C-N	17.11	1.58	1.33
2	2Z	25	SER	C-N	17.11	1.58	1.33
2	43	25	SER	C-N	17.11	1.58	1.33
2	47	25	SER	C-N	17.11	1.58	1.33
2	5B	25	SER	C-N	17.11	1.58	1.33
2	53	25	SER	C-N	17.11	1.58	1.33
2	57	25	SER	C-N	17.11	1.58	1.33
2	6B	25	SER	C-N	17.11	1.58	1.33
1	12	65	PHE	CA-C	17.11	1.73	1.52
1	16	65	PHE	CA-C	17.11	1.73	1.52
1	2A	65	PHE	CA-C	17.11	1.73	1.52
1	3Q	65	PHE	CA-C	17.11	1.73	1.52
1	3U	65	PHE	CA-C	17.11	1.73	1.52
1	3Y	65	PHE	CA-C	17.11	1.73	1.52
1	5E	65	PHE	CA-C	17.11	1.73	1.52
1	5I	65	PHE	CA-C	17.11	1.73	1.52
1	5M	65	PHE	CA-C	17.11	1.73	1.52
1	62	65	PHE	CA-C	17.11	1.73	1.52
1	66	65	PHE	CA-C	17.11	1.73	1.52
1	7A	65	PHE	CA-C	17.11	1.73	1.52
2	1F	208	SER	CA-CB	17.11	1.78	1.54
2	2N	208	SER	CA-CB	17.11	1.78	1.54
2	23	208	SER	CA-CB	17.11	1.78	1.54
2	3N	208	SER	CA-CB	17.11	1.78	1.54
2	37	208	SER	CA-CB	17.11	1.78	1.54
2	4J	208	SER	CA-CB	17.11	1.78	1.54
2	4R	208	SER	CA-CB	17.11	1.78	1.54
2	5Z	208	SER	CA-CB	17.11	1.78	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	208	SER	CA-CB	17.11	1.78	1.54
2	6Z	208	SER	CA-CB	17.11	1.78	1.54
2	7J	208	SER	CA-CB	17.11	1.78	1.54
2	7V	208	SER	CA-CB	17.11	1.78	1.54
2	1N	31	PHE	CD2-CE2	-17.11	0.87	1.38
2	2J	31	PHE	CD2-CE2	-17.11	0.87	1.38
2	3B	31	PHE	CD2-CE2	-17.11	0.87	1.38
2	3J	31	PHE	CD2-CE2	-17.11	0.87	1.38
2	33	31	PHE	CD2-CE2	-17.11	0.87	1.38
2	4F	31	PHE	CD2-CE2	-17.11	0.87	1.38
2	4Z	31	PHE	CD2-CE2	-17.11	0.87	1.38
2	5V	31	PHE	CD2-CE2	-17.11	0.87	1.38
2	6N	31	PHE	CD2-CE2	-17.11	0.87	1.38
2	6V	31	PHE	CD2-CE2	-17.11	0.87	1.38
2	7F	31	PHE	CD2-CE2	-17.11	0.87	1.38
2	7R	31	PHE	CD2-CE2	-17.11	0.87	1.38
2	1B	208	SER	CA-CB	17.10	1.78	1.54
1	1E	65	PHE	CA-C	17.10	1.73	1.52
2	1J	208	SER	CA-CB	17.10	1.78	1.54
2	2F	208	SER	CA-CB	17.10	1.78	1.54
1	2M	65	PHE	CA-C	17.10	1.73	1.52
1	22	65	PHE	CA-C	17.10	1.73	1.52
2	27	208	SER	CA-CB	17.10	1.78	1.54
2	3F	208	SER	CA-CB	17.10	1.78	1.54
1	3M	65	PHE	CA-C	17.10	1.73	1.52
1	36	65	PHE	CA-C	17.10	1.73	1.52
2	4B	208	SER	CA-CB	17.10	1.78	1.54
1	4I	65	PHE	CA-C	17.10	1.73	1.52
2	4N	208	SER	CA-CB	17.10	1.78	1.54
1	4Q	65	PHE	CA-C	17.10	1.73	1.52
2	4V	208	SER	CA-CB	17.10	1.78	1.54
2	5R	208	SER	CA-CB	17.10	1.78	1.54
1	5Y	65	PHE	CA-C	17.10	1.73	1.52
1	6E	65	PHE	CA-C	17.10	1.73	1.52
2	6J	208	SER	CA-CB	17.10	1.78	1.54
2	6R	208	SER	CA-CB	17.10	1.78	1.54
1	6Y	65	PHE	CA-C	17.10	1.73	1.52
1	7I	65	PHE	CA-C	17.10	1.73	1.52
2	7N	208	SER	CA-CB	17.10	1.78	1.54
1	7U	65	PHE	CA-C	17.10	1.73	1.52
2	1F	25	SER	C-N	17.10	1.58	1.33
1	1M	65	PHE	CA-C	17.10	1.73	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2I	65	PHE	CA-C	17.10	1.73	1.52
2	2N	25	SER	C-N	17.10	1.58	1.33
2	23	25	SER	C-N	17.10	1.58	1.33
1	3A	65	PHE	CA-C	17.10	1.73	1.52
1	3I	65	PHE	CA-C	17.10	1.73	1.52
2	3N	25	SER	C-N	17.10	1.58	1.33
1	32	65	PHE	CA-C	17.10	1.73	1.52
2	37	25	SER	C-N	17.10	1.58	1.33
1	4E	65	PHE	CA-C	17.10	1.73	1.52
2	4J	25	SER	C-N	17.10	1.58	1.33
2	4R	25	SER	C-N	17.10	1.58	1.33
1	4Y	65	PHE	CA-C	17.10	1.73	1.52
1	5U	65	PHE	CA-C	17.10	1.73	1.52
2	5Z	25	SER	C-N	17.10	1.58	1.33
2	6F	25	SER	C-N	17.10	1.58	1.33
1	6M	65	PHE	CA-C	17.10	1.73	1.52
1	6U	65	PHE	CA-C	17.10	1.73	1.52
2	6Z	25	SER	C-N	17.10	1.58	1.33
1	7E	65	PHE	CA-C	17.10	1.73	1.52
2	7J	25	SER	C-N	17.10	1.58	1.33
1	7Q	65	PHE	CA-C	17.10	1.73	1.52
2	7V	25	SER	C-N	17.10	1.58	1.33
2	1B	25	SER	C-N	17.09	1.58	1.33
2	1B	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	1J	25	SER	C-N	17.09	1.58	1.33
2	1J	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	1R	208	SER	CA-CB	17.09	1.78	1.54
2	1V	208	SER	CA-CB	17.09	1.78	1.54
2	1Z	208	SER	CA-CB	17.09	1.78	1.54
2	2F	25	SER	C-N	17.09	1.58	1.33
2	2F	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	2R	208	SER	CA-CB	17.09	1.78	1.54
2	2V	208	SER	CA-CB	17.09	1.78	1.54
2	2Z	208	SER	CA-CB	17.09	1.78	1.54
2	27	25	SER	C-N	17.09	1.58	1.33
2	27	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	3F	25	SER	C-N	17.09	1.58	1.33
2	3F	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	4B	25	SER	C-N	17.09	1.58	1.33
2	4B	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	4N	25	SER	C-N	17.09	1.58	1.33
2	4N	31	PHE	CD2-CE2	-17.09	0.87	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4V	25	SER	C-N	17.09	1.58	1.33
2	4V	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	43	208	SER	CA-CB	17.09	1.78	1.54
2	47	208	SER	CA-CB	17.09	1.78	1.54
2	5B	208	SER	CA-CB	17.09	1.78	1.54
2	5R	25	SER	C-N	17.09	1.58	1.33
2	5R	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	53	208	SER	CA-CB	17.09	1.78	1.54
2	57	208	SER	CA-CB	17.09	1.78	1.54
2	6B	208	SER	CA-CB	17.09	1.78	1.54
2	6J	25	SER	C-N	17.09	1.58	1.33
2	6J	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	6R	25	SER	C-N	17.09	1.58	1.33
2	6R	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	7N	25	SER	C-N	17.09	1.58	1.33
2	7N	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	13	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	17	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	2B	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	3R	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	3V	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	3Z	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	5F	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	5J	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	5N	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	63	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	67	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	7B	31	PHE	CD2-CE2	-17.09	0.87	1.38
2	1N	25	SER	C-N	17.09	1.58	1.33
2	2J	25	SER	C-N	17.09	1.58	1.33
2	3B	25	SER	C-N	17.09	1.58	1.33
2	3J	25	SER	C-N	17.09	1.58	1.33
2	33	25	SER	C-N	17.09	1.58	1.33
2	4F	25	SER	C-N	17.09	1.58	1.33
2	4Z	25	SER	C-N	17.09	1.58	1.33
2	5V	25	SER	C-N	17.09	1.58	1.33
2	6N	25	SER	C-N	17.09	1.58	1.33
2	6V	25	SER	C-N	17.09	1.58	1.33
2	7F	25	SER	C-N	17.09	1.58	1.33
2	7R	25	SER	C-N	17.09	1.58	1.33
2	1R	31	PHE	CD2-CE2	-17.08	0.87	1.38
2	1V	31	PHE	CD2-CE2	-17.08	0.87	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	31	PHE	CD2-CE2	-17.08	0.87	1.38
2	2R	31	PHE	CD2-CE2	-17.08	0.87	1.38
2	2V	31	PHE	CD2-CE2	-17.08	0.87	1.38
2	2Z	31	PHE	CD2-CE2	-17.08	0.87	1.38
2	43	31	PHE	CD2-CE2	-17.08	0.87	1.38
2	47	31	PHE	CD2-CE2	-17.08	0.87	1.38
2	5B	31	PHE	CD2-CE2	-17.08	0.87	1.38
2	53	31	PHE	CD2-CE2	-17.08	0.87	1.38
2	57	31	PHE	CD2-CE2	-17.08	0.87	1.38
2	6B	31	PHE	CD2-CE2	-17.08	0.87	1.38
2	1F	31	PHE	CD2-CE2	-17.07	0.87	1.38
2	13	25	SER	C-N	17.07	1.57	1.33
2	17	25	SER	C-N	17.07	1.57	1.33
2	2B	25	SER	C-N	17.07	1.57	1.33
2	2N	31	PHE	CD2-CE2	-17.07	0.87	1.38
2	23	31	PHE	CD2-CE2	-17.07	0.87	1.38
2	3N	31	PHE	CD2-CE2	-17.07	0.87	1.38
2	3R	25	SER	C-N	17.07	1.57	1.33
2	3V	25	SER	C-N	17.07	1.57	1.33
2	3Z	25	SER	C-N	17.07	1.57	1.33
2	37	31	PHE	CD2-CE2	-17.07	0.87	1.38
2	4J	31	PHE	CD2-CE2	-17.07	0.87	1.38
2	4R	31	PHE	CD2-CE2	-17.07	0.87	1.38
2	5F	25	SER	C-N	17.07	1.57	1.33
2	5J	25	SER	C-N	17.07	1.57	1.33
2	5N	25	SER	C-N	17.07	1.57	1.33
2	5Z	31	PHE	CD2-CE2	-17.07	0.87	1.38
2	6F	31	PHE	CD2-CE2	-17.07	0.87	1.38
2	6Z	31	PHE	CD2-CE2	-17.07	0.87	1.38
2	63	25	SER	C-N	17.07	1.57	1.33
2	67	25	SER	C-N	17.07	1.57	1.33
2	7B	25	SER	C-N	17.07	1.57	1.33
2	7J	31	PHE	CD2-CE2	-17.07	0.87	1.38
2	7V	31	PHE	CD2-CE2	-17.07	0.87	1.38
1	1Q	29	TYR	CA-C	17.02	1.75	1.52
1	1U	29	TYR	CA-C	17.02	1.75	1.52
1	1Y	29	TYR	CA-C	17.02	1.75	1.52
1	2Q	29	TYR	CA-C	17.02	1.75	1.52
1	2U	29	TYR	CA-C	17.02	1.75	1.52
1	2Y	29	TYR	CA-C	17.02	1.75	1.52
1	42	29	TYR	CA-C	17.02	1.75	1.52
1	46	29	TYR	CA-C	17.02	1.75	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	29	TYR	CA-C	17.02	1.75	1.52
1	52	29	TYR	CA-C	17.02	1.75	1.52
1	56	29	TYR	CA-C	17.02	1.75	1.52
1	6A	29	TYR	CA-C	17.02	1.75	1.52
1	1Q	8	LEU	CB-CG	17.02	1.87	1.53
1	1U	8	LEU	CB-CG	17.02	1.87	1.53
1	1Y	8	LEU	CB-CG	17.02	1.87	1.53
1	2Q	8	LEU	CB-CG	17.02	1.87	1.53
1	2U	8	LEU	CB-CG	17.02	1.87	1.53
1	2Y	8	LEU	CB-CG	17.02	1.87	1.53
1	42	8	LEU	CB-CG	17.02	1.87	1.53
1	46	8	LEU	CB-CG	17.02	1.87	1.53
1	5A	8	LEU	CB-CG	17.02	1.87	1.53
1	52	8	LEU	CB-CG	17.02	1.87	1.53
1	56	8	LEU	CB-CG	17.02	1.87	1.53
1	6A	8	LEU	CB-CG	17.02	1.87	1.53
1	1A	170	ALA	CA-CB	17.01	1.82	1.53
1	1I	170	ALA	CA-CB	17.01	1.82	1.53
1	2E	170	ALA	CA-CB	17.01	1.82	1.53
1	26	170	ALA	CA-CB	17.01	1.82	1.53
1	3E	170	ALA	CA-CB	17.01	1.82	1.53
1	4A	170	ALA	CA-CB	17.01	1.82	1.53
1	4M	170	ALA	CA-CB	17.01	1.82	1.53
1	4U	170	ALA	CA-CB	17.01	1.82	1.53
1	5Q	170	ALA	CA-CB	17.01	1.82	1.53
1	6I	170	ALA	CA-CB	17.01	1.82	1.53
1	6Q	170	ALA	CA-CB	17.01	1.82	1.53
1	7M	170	ALA	CA-CB	17.01	1.82	1.53
1	12	170	ALA	CA-CB	17.01	1.82	1.53
1	16	170	ALA	CA-CB	17.01	1.82	1.53
1	2A	170	ALA	CA-CB	17.01	1.82	1.53
1	3Q	170	ALA	CA-CB	17.01	1.82	1.53
1	3U	170	ALA	CA-CB	17.01	1.82	1.53
1	3Y	170	ALA	CA-CB	17.01	1.82	1.53
1	5E	170	ALA	CA-CB	17.01	1.82	1.53
1	5I	170	ALA	CA-CB	17.01	1.82	1.53
1	5M	170	ALA	CA-CB	17.01	1.82	1.53
1	62	170	ALA	CA-CB	17.01	1.82	1.53
1	66	170	ALA	CA-CB	17.01	1.82	1.53
1	7A	170	ALA	CA-CB	17.01	1.82	1.53
1	1E	170	ALA	CA-CB	17.00	1.82	1.53
1	2M	170	ALA	CA-CB	17.00	1.82	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	170	ALA	CA-CB	17.00	1.82	1.53
1	3M	170	ALA	CA-CB	17.00	1.82	1.53
1	36	170	ALA	CA-CB	17.00	1.82	1.53
1	4I	170	ALA	CA-CB	17.00	1.82	1.53
1	4Q	170	ALA	CA-CB	17.00	1.82	1.53
1	5Y	170	ALA	CA-CB	17.00	1.82	1.53
1	6E	170	ALA	CA-CB	17.00	1.82	1.53
1	6Y	170	ALA	CA-CB	17.00	1.82	1.53
1	7I	170	ALA	CA-CB	17.00	1.82	1.53
1	7U	170	ALA	CA-CB	17.00	1.82	1.53
1	1Q	170	ALA	CA-CB	16.99	1.81	1.53
1	1U	170	ALA	CA-CB	16.99	1.81	1.53
1	1Y	170	ALA	CA-CB	16.99	1.81	1.53
1	2Q	170	ALA	CA-CB	16.99	1.81	1.53
1	2U	170	ALA	CA-CB	16.99	1.81	1.53
1	2Y	170	ALA	CA-CB	16.99	1.81	1.53
1	42	170	ALA	CA-CB	16.99	1.81	1.53
1	46	170	ALA	CA-CB	16.99	1.81	1.53
1	5A	170	ALA	CA-CB	16.99	1.81	1.53
1	52	170	ALA	CA-CB	16.99	1.81	1.53
1	56	170	ALA	CA-CB	16.99	1.81	1.53
1	6A	170	ALA	CA-CB	16.99	1.81	1.53
1	12	8	LEU	CB-CG	16.99	1.87	1.53
1	16	8	LEU	CB-CG	16.99	1.87	1.53
1	2A	8	LEU	CB-CG	16.99	1.87	1.53
1	3Q	8	LEU	CB-CG	16.99	1.87	1.53
1	3U	8	LEU	CB-CG	16.99	1.87	1.53
1	3Y	8	LEU	CB-CG	16.99	1.87	1.53
1	5E	8	LEU	CB-CG	16.99	1.87	1.53
1	5I	8	LEU	CB-CG	16.99	1.87	1.53
1	5M	8	LEU	CB-CG	16.99	1.87	1.53
1	62	8	LEU	CB-CG	16.99	1.87	1.53
1	66	8	LEU	CB-CG	16.99	1.87	1.53
1	7A	8	LEU	CB-CG	16.99	1.87	1.53
1	1M	170	ALA	CA-CB	16.99	1.81	1.53
1	2I	170	ALA	CA-CB	16.99	1.81	1.53
1	3A	170	ALA	CA-CB	16.99	1.81	1.53
1	3I	170	ALA	CA-CB	16.99	1.81	1.53
1	32	170	ALA	CA-CB	16.99	1.81	1.53
1	4E	170	ALA	CA-CB	16.99	1.81	1.53
1	4Y	170	ALA	CA-CB	16.99	1.81	1.53
1	5U	170	ALA	CA-CB	16.99	1.81	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	170	ALA	CA-CB	16.99	1.81	1.53
1	6U	170	ALA	CA-CB	16.99	1.81	1.53
1	7E	170	ALA	CA-CB	16.99	1.81	1.53
1	7Q	170	ALA	CA-CB	16.99	1.81	1.53
1	1A	8	LEU	CB-CG	16.99	1.87	1.53
1	1I	8	LEU	CB-CG	16.99	1.87	1.53
1	2E	8	LEU	CB-CG	16.99	1.87	1.53
1	26	8	LEU	CB-CG	16.99	1.87	1.53
1	3E	8	LEU	CB-CG	16.99	1.87	1.53
1	4A	8	LEU	CB-CG	16.99	1.87	1.53
1	4M	8	LEU	CB-CG	16.99	1.87	1.53
1	4U	8	LEU	CB-CG	16.99	1.87	1.53
1	5Q	8	LEU	CB-CG	16.99	1.87	1.53
1	6I	8	LEU	CB-CG	16.99	1.87	1.53
1	6Q	8	LEU	CB-CG	16.99	1.87	1.53
1	7M	8	LEU	CB-CG	16.99	1.87	1.53
1	12	29	TYR	CA-C	16.98	1.75	1.52
1	16	29	TYR	CA-C	16.98	1.75	1.52
1	2A	29	TYR	CA-C	16.98	1.75	1.52
1	3Q	29	TYR	CA-C	16.98	1.75	1.52
1	3U	29	TYR	CA-C	16.98	1.75	1.52
1	3Y	29	TYR	CA-C	16.98	1.75	1.52
1	5E	29	TYR	CA-C	16.98	1.75	1.52
1	5I	29	TYR	CA-C	16.98	1.75	1.52
1	5M	29	TYR	CA-C	16.98	1.75	1.52
1	62	29	TYR	CA-C	16.98	1.75	1.52
1	66	29	TYR	CA-C	16.98	1.75	1.52
1	7A	29	TYR	CA-C	16.98	1.75	1.52
1	1E	29	TYR	CA-C	16.98	1.75	1.52
1	2M	29	TYR	CA-C	16.98	1.75	1.52
1	22	29	TYR	CA-C	16.98	1.75	1.52
1	3M	29	TYR	CA-C	16.98	1.75	1.52
1	36	29	TYR	CA-C	16.98	1.75	1.52
1	4I	29	TYR	CA-C	16.98	1.75	1.52
1	4Q	29	TYR	CA-C	16.98	1.75	1.52
1	5Y	29	TYR	CA-C	16.98	1.75	1.52
1	6E	29	TYR	CA-C	16.98	1.75	1.52
1	6Y	29	TYR	CA-C	16.98	1.75	1.52
1	7I	29	TYR	CA-C	16.98	1.75	1.52
1	7U	29	TYR	CA-C	16.98	1.75	1.52
1	1A	29	TYR	CA-C	16.98	1.75	1.52
1	1I	29	TYR	CA-C	16.98	1.75	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	29	TYR	CA-C	16.98	1.75	1.52
1	26	29	TYR	CA-C	16.98	1.75	1.52
1	3E	29	TYR	CA-C	16.98	1.75	1.52
1	4A	29	TYR	CA-C	16.98	1.75	1.52
1	4M	29	TYR	CA-C	16.98	1.75	1.52
1	4U	29	TYR	CA-C	16.98	1.75	1.52
1	5Q	29	TYR	CA-C	16.98	1.75	1.52
1	6I	29	TYR	CA-C	16.98	1.75	1.52
1	6Q	29	TYR	CA-C	16.98	1.75	1.52
1	7M	29	TYR	CA-C	16.98	1.75	1.52
1	1M	8	LEU	CB-CG	16.97	1.87	1.53
1	2I	8	LEU	CB-CG	16.97	1.87	1.53
1	3A	8	LEU	CB-CG	16.97	1.87	1.53
1	3I	8	LEU	CB-CG	16.97	1.87	1.53
1	32	8	LEU	CB-CG	16.97	1.87	1.53
1	4E	8	LEU	CB-CG	16.97	1.87	1.53
1	4Y	8	LEU	CB-CG	16.97	1.87	1.53
1	5U	8	LEU	CB-CG	16.97	1.87	1.53
1	6M	8	LEU	CB-CG	16.97	1.87	1.53
1	6U	8	LEU	CB-CG	16.97	1.87	1.53
1	7E	8	LEU	CB-CG	16.97	1.87	1.53
1	7Q	8	LEU	CB-CG	16.97	1.87	1.53
1	1E	8	LEU	CB-CG	16.97	1.87	1.53
1	2M	8	LEU	CB-CG	16.97	1.87	1.53
1	22	8	LEU	CB-CG	16.97	1.87	1.53
1	3M	8	LEU	CB-CG	16.97	1.87	1.53
1	36	8	LEU	CB-CG	16.97	1.87	1.53
1	4I	8	LEU	CB-CG	16.97	1.87	1.53
1	4Q	8	LEU	CB-CG	16.97	1.87	1.53
1	5Y	8	LEU	CB-CG	16.97	1.87	1.53
1	6E	8	LEU	CB-CG	16.97	1.87	1.53
1	6Y	8	LEU	CB-CG	16.97	1.87	1.53
1	7I	8	LEU	CB-CG	16.97	1.87	1.53
1	7U	8	LEU	CB-CG	16.97	1.87	1.53
1	1M	29	TYR	CA-C	16.95	1.75	1.52
1	2I	29	TYR	CA-C	16.95	1.75	1.52
1	3A	29	TYR	CA-C	16.95	1.75	1.52
1	3I	29	TYR	CA-C	16.95	1.75	1.52
1	32	29	TYR	CA-C	16.95	1.75	1.52
1	4E	29	TYR	CA-C	16.95	1.75	1.52
1	4Y	29	TYR	CA-C	16.95	1.75	1.52
1	5U	29	TYR	CA-C	16.95	1.75	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	29	TYR	CA-C	16.95	1.75	1.52
1	6U	29	TYR	CA-C	16.95	1.75	1.52
1	7E	29	TYR	CA-C	16.95	1.75	1.52
1	7Q	29	TYR	CA-C	16.95	1.75	1.52
2	1N	106	GLY	C-N	16.87	1.55	1.33
2	2J	106	GLY	C-N	16.87	1.55	1.33
2	3B	106	GLY	C-N	16.87	1.55	1.33
2	3J	106	GLY	C-N	16.87	1.55	1.33
2	33	106	GLY	C-N	16.87	1.55	1.33
2	4F	106	GLY	C-N	16.87	1.55	1.33
2	4Z	106	GLY	C-N	16.87	1.55	1.33
2	5V	106	GLY	C-N	16.87	1.55	1.33
2	6N	106	GLY	C-N	16.87	1.55	1.33
2	6V	106	GLY	C-N	16.87	1.55	1.33
2	7F	106	GLY	C-N	16.87	1.55	1.33
2	7R	106	GLY	C-N	16.87	1.55	1.33
2	1F	106	GLY	C-N	16.86	1.55	1.33
2	2N	106	GLY	C-N	16.86	1.55	1.33
2	23	106	GLY	C-N	16.86	1.55	1.33
2	3N	106	GLY	C-N	16.86	1.55	1.33
2	37	106	GLY	C-N	16.86	1.55	1.33
2	4J	106	GLY	C-N	16.86	1.55	1.33
2	4R	106	GLY	C-N	16.86	1.55	1.33
2	5Z	106	GLY	C-N	16.86	1.55	1.33
2	6F	106	GLY	C-N	16.86	1.55	1.33
2	6Z	106	GLY	C-N	16.86	1.55	1.33
2	7J	106	GLY	C-N	16.86	1.55	1.33
2	7V	106	GLY	C-N	16.86	1.55	1.33
2	1B	106	GLY	C-N	16.86	1.55	1.33
2	1J	106	GLY	C-N	16.86	1.55	1.33
2	2F	106	GLY	C-N	16.86	1.55	1.33
2	27	106	GLY	C-N	16.86	1.55	1.33
2	3F	106	GLY	C-N	16.86	1.55	1.33
2	4B	106	GLY	C-N	16.86	1.55	1.33
2	4N	106	GLY	C-N	16.86	1.55	1.33
2	4V	106	GLY	C-N	16.86	1.55	1.33
2	5R	106	GLY	C-N	16.86	1.55	1.33
2	6J	106	GLY	C-N	16.86	1.55	1.33
2	6R	106	GLY	C-N	16.86	1.55	1.33
2	7N	106	GLY	C-N	16.86	1.55	1.33
2	1F	220	PHE	CD2-CE2	16.84	1.89	1.38
2	13	220	PHE	CD2-CE2	16.84	1.89	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	17	220	PHE	CD2-CE2	16.84	1.89	1.38
2	2B	220	PHE	CD2-CE2	16.84	1.89	1.38
2	2N	220	PHE	CD2-CE2	16.84	1.89	1.38
2	23	220	PHE	CD2-CE2	16.84	1.89	1.38
2	3N	220	PHE	CD2-CE2	16.84	1.89	1.38
2	3R	220	PHE	CD2-CE2	16.84	1.89	1.38
2	3V	220	PHE	CD2-CE2	16.84	1.89	1.38
2	3Z	220	PHE	CD2-CE2	16.84	1.89	1.38
2	37	220	PHE	CD2-CE2	16.84	1.89	1.38
2	4J	220	PHE	CD2-CE2	16.84	1.89	1.38
2	4R	220	PHE	CD2-CE2	16.84	1.89	1.38
2	5F	220	PHE	CD2-CE2	16.84	1.89	1.38
2	5J	220	PHE	CD2-CE2	16.84	1.89	1.38
2	5N	220	PHE	CD2-CE2	16.84	1.89	1.38
2	5Z	220	PHE	CD2-CE2	16.84	1.89	1.38
2	6F	220	PHE	CD2-CE2	16.84	1.89	1.38
2	6Z	220	PHE	CD2-CE2	16.84	1.89	1.38
2	63	220	PHE	CD2-CE2	16.84	1.89	1.38
2	67	220	PHE	CD2-CE2	16.84	1.89	1.38
2	7B	220	PHE	CD2-CE2	16.84	1.89	1.38
2	7J	220	PHE	CD2-CE2	16.84	1.89	1.38
2	7V	220	PHE	CD2-CE2	16.84	1.89	1.38
2	1B	220	PHE	CD2-CE2	16.84	1.89	1.38
2	1J	220	PHE	CD2-CE2	16.84	1.89	1.38
2	2F	220	PHE	CD2-CE2	16.84	1.89	1.38
2	27	220	PHE	CD2-CE2	16.84	1.89	1.38
2	3F	220	PHE	CD2-CE2	16.84	1.89	1.38
2	4B	220	PHE	CD2-CE2	16.84	1.89	1.38
2	4N	220	PHE	CD2-CE2	16.84	1.89	1.38
2	4V	220	PHE	CD2-CE2	16.84	1.89	1.38
2	5R	220	PHE	CD2-CE2	16.84	1.89	1.38
2	6J	220	PHE	CD2-CE2	16.84	1.89	1.38
2	6R	220	PHE	CD2-CE2	16.84	1.89	1.38
2	7N	220	PHE	CD2-CE2	16.84	1.89	1.38
2	1N	220	PHE	CD2-CE2	16.84	1.89	1.38
2	2J	220	PHE	CD2-CE2	16.84	1.89	1.38
2	3B	220	PHE	CD2-CE2	16.84	1.89	1.38
2	3J	220	PHE	CD2-CE2	16.84	1.89	1.38
2	33	220	PHE	CD2-CE2	16.84	1.89	1.38
2	4F	220	PHE	CD2-CE2	16.84	1.89	1.38
2	4Z	220	PHE	CD2-CE2	16.84	1.89	1.38
2	5V	220	PHE	CD2-CE2	16.84	1.89	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	220	PHE	CD2-CE2	16.84	1.89	1.38
2	6V	220	PHE	CD2-CE2	16.84	1.89	1.38
2	7F	220	PHE	CD2-CE2	16.84	1.89	1.38
2	7R	220	PHE	CD2-CE2	16.84	1.89	1.38
2	1R	220	PHE	CD2-CE2	16.83	1.89	1.38
2	1V	220	PHE	CD2-CE2	16.83	1.89	1.38
2	1Z	220	PHE	CD2-CE2	16.83	1.89	1.38
2	13	106	GLY	C-N	16.83	1.55	1.33
2	17	106	GLY	C-N	16.83	1.55	1.33
2	2B	106	GLY	C-N	16.83	1.55	1.33
2	2R	220	PHE	CD2-CE2	16.83	1.89	1.38
2	2V	220	PHE	CD2-CE2	16.83	1.89	1.38
2	2Z	220	PHE	CD2-CE2	16.83	1.89	1.38
2	3R	106	GLY	C-N	16.83	1.55	1.33
2	3V	106	GLY	C-N	16.83	1.55	1.33
2	3Z	106	GLY	C-N	16.83	1.55	1.33
2	43	220	PHE	CD2-CE2	16.83	1.89	1.38
2	47	220	PHE	CD2-CE2	16.83	1.89	1.38
2	5B	220	PHE	CD2-CE2	16.83	1.89	1.38
2	5F	106	GLY	C-N	16.83	1.55	1.33
2	5J	106	GLY	C-N	16.83	1.55	1.33
2	5N	106	GLY	C-N	16.83	1.55	1.33
2	53	220	PHE	CD2-CE2	16.83	1.89	1.38
2	57	220	PHE	CD2-CE2	16.83	1.89	1.38
2	6B	220	PHE	CD2-CE2	16.83	1.89	1.38
2	63	106	GLY	C-N	16.83	1.55	1.33
2	67	106	GLY	C-N	16.83	1.55	1.33
2	7B	106	GLY	C-N	16.83	1.55	1.33
2	1R	106	GLY	C-N	16.83	1.55	1.33
2	1V	106	GLY	C-N	16.83	1.55	1.33
2	1Z	106	GLY	C-N	16.83	1.55	1.33
2	2R	106	GLY	C-N	16.83	1.55	1.33
2	2V	106	GLY	C-N	16.83	1.55	1.33
2	2Z	106	GLY	C-N	16.83	1.55	1.33
2	43	106	GLY	C-N	16.83	1.55	1.33
2	47	106	GLY	C-N	16.83	1.55	1.33
2	5B	106	GLY	C-N	16.83	1.55	1.33
2	53	106	GLY	C-N	16.83	1.55	1.33
2	57	106	GLY	C-N	16.83	1.55	1.33
2	6B	106	GLY	C-N	16.83	1.55	1.33
2	1B	28	THR	CB-CG2	16.83	2.08	1.52
2	1J	28	THR	CB-CG2	16.83	2.08	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	28	THR	CB-CG2	16.83	2.08	1.52
2	27	28	THR	CB-CG2	16.83	2.08	1.52
2	3F	28	THR	CB-CG2	16.83	2.08	1.52
2	4B	28	THR	CB-CG2	16.83	2.08	1.52
2	4N	28	THR	CB-CG2	16.83	2.08	1.52
2	4V	28	THR	CB-CG2	16.83	2.08	1.52
2	5R	28	THR	CB-CG2	16.83	2.08	1.52
2	6J	28	THR	CB-CG2	16.83	2.08	1.52
2	6R	28	THR	CB-CG2	16.83	2.08	1.52
2	7N	28	THR	CB-CG2	16.83	2.08	1.52
2	1N	28	THR	CB-CG2	16.83	2.08	1.52
2	2J	28	THR	CB-CG2	16.83	2.08	1.52
2	3B	28	THR	CB-CG2	16.83	2.08	1.52
2	3J	28	THR	CB-CG2	16.83	2.08	1.52
2	33	28	THR	CB-CG2	16.83	2.08	1.52
2	4F	28	THR	CB-CG2	16.83	2.08	1.52
2	4Z	28	THR	CB-CG2	16.83	2.08	1.52
2	5V	28	THR	CB-CG2	16.83	2.08	1.52
2	6N	28	THR	CB-CG2	16.83	2.08	1.52
2	6V	28	THR	CB-CG2	16.83	2.08	1.52
2	7F	28	THR	CB-CG2	16.83	2.08	1.52
2	7R	28	THR	CB-CG2	16.83	2.08	1.52
2	1F	28	THR	CB-CG2	16.82	2.08	1.52
2	2N	28	THR	CB-CG2	16.82	2.08	1.52
2	23	28	THR	CB-CG2	16.82	2.08	1.52
2	3N	28	THR	CB-CG2	16.82	2.08	1.52
2	37	28	THR	CB-CG2	16.82	2.08	1.52
2	4J	28	THR	CB-CG2	16.82	2.08	1.52
2	4R	28	THR	CB-CG2	16.82	2.08	1.52
2	5Z	28	THR	CB-CG2	16.82	2.08	1.52
2	6F	28	THR	CB-CG2	16.82	2.08	1.52
2	6Z	28	THR	CB-CG2	16.82	2.08	1.52
2	7J	28	THR	CB-CG2	16.82	2.08	1.52
2	7V	28	THR	CB-CG2	16.82	2.08	1.52
2	1R	28	THR	CB-CG2	16.82	2.08	1.52
2	1V	28	THR	CB-CG2	16.82	2.08	1.52
2	1Z	28	THR	CB-CG2	16.82	2.08	1.52
2	13	28	THR	CB-CG2	16.82	2.08	1.52
2	17	28	THR	CB-CG2	16.82	2.08	1.52
2	2B	28	THR	CB-CG2	16.82	2.08	1.52
2	2R	28	THR	CB-CG2	16.82	2.08	1.52
2	2V	28	THR	CB-CG2	16.82	2.08	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2Z	28	THR	CB-CG2	16.82	2.08	1.52
2	3R	28	THR	CB-CG2	16.82	2.08	1.52
2	3V	28	THR	CB-CG2	16.82	2.08	1.52
2	3Z	28	THR	CB-CG2	16.82	2.08	1.52
2	43	28	THR	CB-CG2	16.82	2.08	1.52
2	47	28	THR	CB-CG2	16.82	2.08	1.52
2	5B	28	THR	CB-CG2	16.82	2.08	1.52
2	5F	28	THR	CB-CG2	16.82	2.08	1.52
2	5J	28	THR	CB-CG2	16.82	2.08	1.52
2	5N	28	THR	CB-CG2	16.82	2.08	1.52
2	53	28	THR	CB-CG2	16.82	2.08	1.52
2	57	28	THR	CB-CG2	16.82	2.08	1.52
2	6B	28	THR	CB-CG2	16.82	2.08	1.52
2	63	28	THR	CB-CG2	16.82	2.08	1.52
2	67	28	THR	CB-CG2	16.82	2.08	1.52
2	7B	28	THR	CB-CG2	16.82	2.08	1.52
2	1B	15	VAL	CA-C	-16.81	1.31	1.52
2	1J	15	VAL	CA-C	-16.81	1.31	1.52
2	2F	15	VAL	CA-C	-16.81	1.31	1.52
2	27	15	VAL	CA-C	-16.81	1.31	1.52
2	3F	15	VAL	CA-C	-16.81	1.31	1.52
2	4B	15	VAL	CA-C	-16.81	1.31	1.52
2	4N	15	VAL	CA-C	-16.81	1.31	1.52
2	4V	15	VAL	CA-C	-16.81	1.31	1.52
2	5R	15	VAL	CA-C	-16.81	1.31	1.52
2	6J	15	VAL	CA-C	-16.81	1.31	1.52
2	6R	15	VAL	CA-C	-16.81	1.31	1.52
2	7N	15	VAL	CA-C	-16.81	1.31	1.52
2	1F	15	VAL	CA-C	-16.80	1.31	1.52
2	2N	15	VAL	CA-C	-16.80	1.31	1.52
2	23	15	VAL	CA-C	-16.80	1.31	1.52
2	3N	15	VAL	CA-C	-16.80	1.31	1.52
2	37	15	VAL	CA-C	-16.80	1.31	1.52
2	4J	15	VAL	CA-C	-16.80	1.31	1.52
2	4R	15	VAL	CA-C	-16.80	1.31	1.52
2	5Z	15	VAL	CA-C	-16.80	1.31	1.52
2	6F	15	VAL	CA-C	-16.80	1.31	1.52
2	6Z	15	VAL	CA-C	-16.80	1.31	1.52
2	7J	15	VAL	CA-C	-16.80	1.31	1.52
2	7V	15	VAL	CA-C	-16.80	1.31	1.52
2	1R	15	VAL	CA-C	-16.80	1.31	1.52
2	1V	15	VAL	CA-C	-16.80	1.31	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	15	VAL	CA-C	-16.80	1.31	1.52
2	2R	15	VAL	CA-C	-16.80	1.31	1.52
2	2V	15	VAL	CA-C	-16.80	1.31	1.52
2	2Z	15	VAL	CA-C	-16.80	1.31	1.52
2	43	15	VAL	CA-C	-16.80	1.31	1.52
2	47	15	VAL	CA-C	-16.80	1.31	1.52
2	5B	15	VAL	CA-C	-16.80	1.31	1.52
2	53	15	VAL	CA-C	-16.80	1.31	1.52
2	57	15	VAL	CA-C	-16.80	1.31	1.52
2	6B	15	VAL	CA-C	-16.80	1.31	1.52
2	1F	68	PRO	CA-C	16.80	1.76	1.52
2	2N	68	PRO	CA-C	16.80	1.76	1.52
2	23	68	PRO	CA-C	16.80	1.76	1.52
2	3N	68	PRO	CA-C	16.80	1.76	1.52
2	37	68	PRO	CA-C	16.80	1.76	1.52
2	4J	68	PRO	CA-C	16.80	1.76	1.52
2	4R	68	PRO	CA-C	16.80	1.76	1.52
2	5Z	68	PRO	CA-C	16.80	1.76	1.52
2	6F	68	PRO	CA-C	16.80	1.76	1.52
2	6Z	68	PRO	CA-C	16.80	1.76	1.52
2	7J	68	PRO	CA-C	16.80	1.76	1.52
2	7V	68	PRO	CA-C	16.80	1.76	1.52
2	1N	68	PRO	CA-C	16.77	1.76	1.52
2	2J	68	PRO	CA-C	16.77	1.76	1.52
2	3B	68	PRO	CA-C	16.77	1.76	1.52
2	3J	68	PRO	CA-C	16.77	1.76	1.52
2	33	68	PRO	CA-C	16.77	1.76	1.52
2	4F	68	PRO	CA-C	16.77	1.76	1.52
2	4Z	68	PRO	CA-C	16.77	1.76	1.52
2	5V	68	PRO	CA-C	16.77	1.76	1.52
2	6N	68	PRO	CA-C	16.77	1.76	1.52
2	6V	68	PRO	CA-C	16.77	1.76	1.52
2	7F	68	PRO	CA-C	16.77	1.76	1.52
2	7R	68	PRO	CA-C	16.77	1.76	1.52
2	1B	68	PRO	CA-C	16.77	1.76	1.52
2	1J	68	PRO	CA-C	16.77	1.76	1.52
2	2F	68	PRO	CA-C	16.77	1.76	1.52
2	27	68	PRO	CA-C	16.77	1.76	1.52
2	3F	68	PRO	CA-C	16.77	1.76	1.52
2	4B	68	PRO	CA-C	16.77	1.76	1.52
2	4N	68	PRO	CA-C	16.77	1.76	1.52
2	4V	68	PRO	CA-C	16.77	1.76	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	68	PRO	CA-C	16.77	1.76	1.52
2	6J	68	PRO	CA-C	16.77	1.76	1.52
2	6R	68	PRO	CA-C	16.77	1.76	1.52
2	7N	68	PRO	CA-C	16.77	1.76	1.52
1	1Q	153	SER	CB-OG	16.77	1.75	1.42
1	1U	153	SER	CB-OG	16.77	1.75	1.42
1	1Y	153	SER	CB-OG	16.77	1.75	1.42
1	2Q	153	SER	CB-OG	16.77	1.75	1.42
1	2U	153	SER	CB-OG	16.77	1.75	1.42
1	2Y	153	SER	CB-OG	16.77	1.75	1.42
1	42	153	SER	CB-OG	16.77	1.75	1.42
1	46	153	SER	CB-OG	16.77	1.75	1.42
1	5A	153	SER	CB-OG	16.77	1.75	1.42
1	52	153	SER	CB-OG	16.77	1.75	1.42
1	56	153	SER	CB-OG	16.77	1.75	1.42
1	6A	153	SER	CB-OG	16.77	1.75	1.42
1	1E	41	ILE	CB-CG1	16.76	1.86	1.53
2	13	15	VAL	CA-C	-16.76	1.31	1.52
2	17	15	VAL	CA-C	-16.76	1.31	1.52
2	2B	15	VAL	CA-C	-16.76	1.31	1.52
1	2M	41	ILE	CB-CG1	16.76	1.86	1.53
1	22	41	ILE	CB-CG1	16.76	1.86	1.53
1	3M	41	ILE	CB-CG1	16.76	1.86	1.53
2	3R	15	VAL	CA-C	-16.76	1.31	1.52
2	3V	15	VAL	CA-C	-16.76	1.31	1.52
2	3Z	15	VAL	CA-C	-16.76	1.31	1.52
1	36	41	ILE	CB-CG1	16.76	1.86	1.53
1	4I	41	ILE	CB-CG1	16.76	1.86	1.53
1	4Q	41	ILE	CB-CG1	16.76	1.86	1.53
2	5F	15	VAL	CA-C	-16.76	1.31	1.52
2	5J	15	VAL	CA-C	-16.76	1.31	1.52
2	5N	15	VAL	CA-C	-16.76	1.31	1.52
1	5Y	41	ILE	CB-CG1	16.76	1.86	1.53
1	6E	41	ILE	CB-CG1	16.76	1.86	1.53
1	6Y	41	ILE	CB-CG1	16.76	1.86	1.53
2	63	15	VAL	CA-C	-16.76	1.31	1.52
2	67	15	VAL	CA-C	-16.76	1.31	1.52
2	7B	15	VAL	CA-C	-16.76	1.31	1.52
1	7I	41	ILE	CB-CG1	16.76	1.86	1.53
1	7U	41	ILE	CB-CG1	16.76	1.86	1.53
1	1M	153	SER	CB-OG	16.76	1.75	1.42
1	2I	153	SER	CB-OG	16.76	1.75	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	153	SER	CB-OG	16.76	1.75	1.42
1	3I	153	SER	CB-OG	16.76	1.75	1.42
1	32	153	SER	CB-OG	16.76	1.75	1.42
1	4E	153	SER	CB-OG	16.76	1.75	1.42
1	4Y	153	SER	CB-OG	16.76	1.75	1.42
1	5U	153	SER	CB-OG	16.76	1.75	1.42
1	6M	153	SER	CB-OG	16.76	1.75	1.42
1	6U	153	SER	CB-OG	16.76	1.75	1.42
1	7E	153	SER	CB-OG	16.76	1.75	1.42
1	7Q	153	SER	CB-OG	16.76	1.75	1.42
2	13	68	PRO	CA-C	16.74	1.76	1.52
2	17	68	PRO	CA-C	16.74	1.76	1.52
2	2B	68	PRO	CA-C	16.74	1.76	1.52
2	3R	68	PRO	CA-C	16.74	1.76	1.52
2	3V	68	PRO	CA-C	16.74	1.76	1.52
2	3Z	68	PRO	CA-C	16.74	1.76	1.52
2	5F	68	PRO	CA-C	16.74	1.76	1.52
2	5J	68	PRO	CA-C	16.74	1.76	1.52
2	5N	68	PRO	CA-C	16.74	1.76	1.52
2	63	68	PRO	CA-C	16.74	1.76	1.52
2	67	68	PRO	CA-C	16.74	1.76	1.52
2	7B	68	PRO	CA-C	16.74	1.76	1.52
1	1A	41	ILE	CB-CG1	16.74	1.86	1.53
1	1I	41	ILE	CB-CG1	16.74	1.86	1.53
1	2E	41	ILE	CB-CG1	16.74	1.86	1.53
1	26	41	ILE	CB-CG1	16.74	1.86	1.53
1	3E	41	ILE	CB-CG1	16.74	1.86	1.53
1	4A	41	ILE	CB-CG1	16.74	1.86	1.53
1	4M	41	ILE	CB-CG1	16.74	1.86	1.53
1	4U	41	ILE	CB-CG1	16.74	1.86	1.53
1	5Q	41	ILE	CB-CG1	16.74	1.86	1.53
1	6I	41	ILE	CB-CG1	16.74	1.86	1.53
1	6Q	41	ILE	CB-CG1	16.74	1.86	1.53
1	7M	41	ILE	CB-CG1	16.74	1.86	1.53
1	1A	153	SER	CB-OG	16.73	1.75	1.42
1	1I	153	SER	CB-OG	16.73	1.75	1.42
1	1M	31	LYS	CG-CD	-16.73	1.02	1.52
1	1Q	41	ILE	CB-CG1	16.73	1.86	1.53
2	1R	68	PRO	CA-C	16.73	1.76	1.52
1	1U	41	ILE	CB-CG1	16.73	1.86	1.53
2	1V	68	PRO	CA-C	16.73	1.76	1.52
1	1Y	41	ILE	CB-CG1	16.73	1.86	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	68	PRO	CA-C	16.73	1.76	1.52
1	2E	153	SER	CB-OG	16.73	1.75	1.42
1	2I	31	LYS	CG-CD	-16.73	1.02	1.52
1	2Q	41	ILE	CB-CG1	16.73	1.86	1.53
2	2R	68	PRO	CA-C	16.73	1.76	1.52
1	2U	41	ILE	CB-CG1	16.73	1.86	1.53
2	2V	68	PRO	CA-C	16.73	1.76	1.52
1	2Y	41	ILE	CB-CG1	16.73	1.86	1.53
2	2Z	68	PRO	CA-C	16.73	1.76	1.52
1	26	153	SER	CB-OG	16.73	1.75	1.42
1	3A	31	LYS	CG-CD	-16.73	1.02	1.52
1	3E	153	SER	CB-OG	16.73	1.75	1.42
1	3I	31	LYS	CG-CD	-16.73	1.02	1.52
1	32	31	LYS	CG-CD	-16.73	1.02	1.52
1	4A	153	SER	CB-OG	16.73	1.75	1.42
1	4E	31	LYS	CG-CD	-16.73	1.02	1.52
1	4M	153	SER	CB-OG	16.73	1.75	1.42
1	4U	153	SER	CB-OG	16.73	1.75	1.42
1	4Y	31	LYS	CG-CD	-16.73	1.02	1.52
1	42	41	ILE	CB-CG1	16.73	1.86	1.53
2	43	68	PRO	CA-C	16.73	1.76	1.52
1	46	41	ILE	CB-CG1	16.73	1.86	1.53
2	47	68	PRO	CA-C	16.73	1.76	1.52
1	5A	41	ILE	CB-CG1	16.73	1.86	1.53
2	5B	68	PRO	CA-C	16.73	1.76	1.52
1	5Q	153	SER	CB-OG	16.73	1.75	1.42
1	5U	31	LYS	CG-CD	-16.73	1.02	1.52
1	52	41	ILE	CB-CG1	16.73	1.86	1.53
2	53	68	PRO	CA-C	16.73	1.76	1.52
1	56	41	ILE	CB-CG1	16.73	1.86	1.53
2	57	68	PRO	CA-C	16.73	1.76	1.52
1	6A	41	ILE	CB-CG1	16.73	1.86	1.53
2	6B	68	PRO	CA-C	16.73	1.76	1.52
1	6I	153	SER	CB-OG	16.73	1.75	1.42
1	6M	31	LYS	CG-CD	-16.73	1.02	1.52
1	6Q	153	SER	CB-OG	16.73	1.75	1.42
1	6U	31	LYS	CG-CD	-16.73	1.02	1.52
1	7E	31	LYS	CG-CD	-16.73	1.02	1.52
1	7M	153	SER	CB-OG	16.73	1.75	1.42
1	7Q	31	LYS	CG-CD	-16.73	1.02	1.52
1	12	153	SER	CB-OG	16.73	1.75	1.42
1	16	153	SER	CB-OG	16.73	1.75	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	153	SER	CB-OG	16.73	1.75	1.42
1	3Q	153	SER	CB-OG	16.73	1.75	1.42
1	3U	153	SER	CB-OG	16.73	1.75	1.42
1	3Y	153	SER	CB-OG	16.73	1.75	1.42
1	5E	153	SER	CB-OG	16.73	1.75	1.42
1	5I	153	SER	CB-OG	16.73	1.75	1.42
1	5M	153	SER	CB-OG	16.73	1.75	1.42
1	62	153	SER	CB-OG	16.73	1.75	1.42
1	66	153	SER	CB-OG	16.73	1.75	1.42
1	7A	153	SER	CB-OG	16.73	1.75	1.42
1	1Q	31	LYS	CG-CD	-16.73	1.02	1.52
1	1U	31	LYS	CG-CD	-16.73	1.02	1.52
1	1Y	31	LYS	CG-CD	-16.73	1.02	1.52
1	2Q	31	LYS	CG-CD	-16.73	1.02	1.52
1	2U	31	LYS	CG-CD	-16.73	1.02	1.52
1	2Y	31	LYS	CG-CD	-16.73	1.02	1.52
1	42	31	LYS	CG-CD	-16.73	1.02	1.52
1	46	31	LYS	CG-CD	-16.73	1.02	1.52
1	5A	31	LYS	CG-CD	-16.73	1.02	1.52
1	52	31	LYS	CG-CD	-16.73	1.02	1.52
1	56	31	LYS	CG-CD	-16.73	1.02	1.52
1	6A	31	LYS	CG-CD	-16.73	1.02	1.52
2	1N	15	VAL	CA-C	-16.73	1.31	1.52
2	2J	15	VAL	CA-C	-16.73	1.31	1.52
2	3B	15	VAL	CA-C	-16.73	1.31	1.52
2	3J	15	VAL	CA-C	-16.73	1.31	1.52
2	33	15	VAL	CA-C	-16.73	1.31	1.52
2	4F	15	VAL	CA-C	-16.73	1.31	1.52
2	4Z	15	VAL	CA-C	-16.73	1.31	1.52
2	5V	15	VAL	CA-C	-16.73	1.31	1.52
2	6N	15	VAL	CA-C	-16.73	1.31	1.52
2	6V	15	VAL	CA-C	-16.73	1.31	1.52
2	7F	15	VAL	CA-C	-16.73	1.31	1.52
2	7R	15	VAL	CA-C	-16.73	1.31	1.52
1	12	41	ILE	CB-CG1	16.72	1.86	1.53
1	16	41	ILE	CB-CG1	16.72	1.86	1.53
1	2A	41	ILE	CB-CG1	16.72	1.86	1.53
1	3Q	41	ILE	CB-CG1	16.72	1.86	1.53
1	3U	41	ILE	CB-CG1	16.72	1.86	1.53
1	3Y	41	ILE	CB-CG1	16.72	1.86	1.53
1	5E	41	ILE	CB-CG1	16.72	1.86	1.53
1	5I	41	ILE	CB-CG1	16.72	1.86	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	41	ILE	CB-CG1	16.72	1.86	1.53
1	62	41	ILE	CB-CG1	16.72	1.86	1.53
1	66	41	ILE	CB-CG1	16.72	1.86	1.53
1	7A	41	ILE	CB-CG1	16.72	1.86	1.53
1	1A	31	LYS	CG-CD	-16.72	1.02	1.52
1	1I	31	LYS	CG-CD	-16.72	1.02	1.52
1	2E	31	LYS	CG-CD	-16.72	1.02	1.52
1	26	31	LYS	CG-CD	-16.72	1.02	1.52
1	3E	31	LYS	CG-CD	-16.72	1.02	1.52
1	4A	31	LYS	CG-CD	-16.72	1.02	1.52
1	4M	31	LYS	CG-CD	-16.72	1.02	1.52
1	4U	31	LYS	CG-CD	-16.72	1.02	1.52
1	5Q	31	LYS	CG-CD	-16.72	1.02	1.52
1	6I	31	LYS	CG-CD	-16.72	1.02	1.52
1	6Q	31	LYS	CG-CD	-16.72	1.02	1.52
1	7M	31	LYS	CG-CD	-16.72	1.02	1.52
1	1M	41	ILE	CB-CG1	16.71	1.86	1.53
1	2I	41	ILE	CB-CG1	16.71	1.86	1.53
1	3A	41	ILE	CB-CG1	16.71	1.86	1.53
1	3I	41	ILE	CB-CG1	16.71	1.86	1.53
1	32	41	ILE	CB-CG1	16.71	1.86	1.53
1	4E	41	ILE	CB-CG1	16.71	1.86	1.53
1	4Y	41	ILE	CB-CG1	16.71	1.86	1.53
1	5U	41	ILE	CB-CG1	16.71	1.86	1.53
1	6M	41	ILE	CB-CG1	16.71	1.86	1.53
1	6U	41	ILE	CB-CG1	16.71	1.86	1.53
1	7E	41	ILE	CB-CG1	16.71	1.86	1.53
1	7Q	41	ILE	CB-CG1	16.71	1.86	1.53
1	12	31	LYS	CG-CD	-16.71	1.02	1.52
1	16	31	LYS	CG-CD	-16.71	1.02	1.52
1	2A	31	LYS	CG-CD	-16.71	1.02	1.52
1	3Q	31	LYS	CG-CD	-16.71	1.02	1.52
1	3U	31	LYS	CG-CD	-16.71	1.02	1.52
1	3Y	31	LYS	CG-CD	-16.71	1.02	1.52
1	5E	31	LYS	CG-CD	-16.71	1.02	1.52
1	5I	31	LYS	CG-CD	-16.71	1.02	1.52
1	5M	31	LYS	CG-CD	-16.71	1.02	1.52
1	62	31	LYS	CG-CD	-16.71	1.02	1.52
1	66	31	LYS	CG-CD	-16.71	1.02	1.52
1	7A	31	LYS	CG-CD	-16.71	1.02	1.52
1	1E	31	LYS	CG-CD	-16.70	1.02	1.52
1	2M	31	LYS	CG-CD	-16.70	1.02	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	31	LYS	CG-CD	-16.70	1.02	1.52
1	3M	31	LYS	CG-CD	-16.70	1.02	1.52
1	36	31	LYS	CG-CD	-16.70	1.02	1.52
1	4I	31	LYS	CG-CD	-16.70	1.02	1.52
1	4Q	31	LYS	CG-CD	-16.70	1.02	1.52
1	5Y	31	LYS	CG-CD	-16.70	1.02	1.52
1	6E	31	LYS	CG-CD	-16.70	1.02	1.52
1	6Y	31	LYS	CG-CD	-16.70	1.02	1.52
1	7I	31	LYS	CG-CD	-16.70	1.02	1.52
1	7U	31	LYS	CG-CD	-16.70	1.02	1.52
1	1E	153	SER	CB-OG	16.70	1.75	1.42
1	2M	153	SER	CB-OG	16.70	1.75	1.42
1	22	153	SER	CB-OG	16.70	1.75	1.42
1	3M	153	SER	CB-OG	16.70	1.75	1.42
1	36	153	SER	CB-OG	16.70	1.75	1.42
1	4I	153	SER	CB-OG	16.70	1.75	1.42
1	4Q	153	SER	CB-OG	16.70	1.75	1.42
1	5Y	153	SER	CB-OG	16.70	1.75	1.42
1	6E	153	SER	CB-OG	16.70	1.75	1.42
1	6Y	153	SER	CB-OG	16.70	1.75	1.42
1	7I	153	SER	CB-OG	16.70	1.75	1.42
1	7U	153	SER	CB-OG	16.70	1.75	1.42
2	13	24	PRO	CA-C	-16.70	1.28	1.52
2	17	24	PRO	CA-C	-16.70	1.28	1.52
2	2B	24	PRO	CA-C	-16.70	1.28	1.52
2	3R	24	PRO	CA-C	-16.70	1.28	1.52
2	3V	24	PRO	CA-C	-16.70	1.28	1.52
2	3Z	24	PRO	CA-C	-16.70	1.28	1.52
2	5F	24	PRO	CA-C	-16.70	1.28	1.52
2	5J	24	PRO	CA-C	-16.70	1.28	1.52
2	5N	24	PRO	CA-C	-16.70	1.28	1.52
2	63	24	PRO	CA-C	-16.70	1.28	1.52
2	67	24	PRO	CA-C	-16.70	1.28	1.52
2	7B	24	PRO	CA-C	-16.70	1.28	1.52
2	1R	24	PRO	CA-C	-16.69	1.28	1.52
2	1V	24	PRO	CA-C	-16.69	1.28	1.52
2	1Z	24	PRO	CA-C	-16.69	1.28	1.52
2	2R	24	PRO	CA-C	-16.69	1.28	1.52
2	2V	24	PRO	CA-C	-16.69	1.28	1.52
2	2Z	24	PRO	CA-C	-16.69	1.28	1.52
2	43	24	PRO	CA-C	-16.69	1.28	1.52
2	47	24	PRO	CA-C	-16.69	1.28	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	24	PRO	CA-C	-16.69	1.28	1.52
2	53	24	PRO	CA-C	-16.69	1.28	1.52
2	57	24	PRO	CA-C	-16.69	1.28	1.52
2	6B	24	PRO	CA-C	-16.69	1.28	1.52
2	1F	24	PRO	CA-C	-16.68	1.28	1.52
2	2N	24	PRO	CA-C	-16.68	1.28	1.52
2	23	24	PRO	CA-C	-16.68	1.28	1.52
2	3N	24	PRO	CA-C	-16.68	1.28	1.52
2	37	24	PRO	CA-C	-16.68	1.28	1.52
2	4J	24	PRO	CA-C	-16.68	1.28	1.52
2	4R	24	PRO	CA-C	-16.68	1.28	1.52
2	5Z	24	PRO	CA-C	-16.68	1.28	1.52
2	6F	24	PRO	CA-C	-16.68	1.28	1.52
2	6Z	24	PRO	CA-C	-16.68	1.28	1.52
2	7J	24	PRO	CA-C	-16.68	1.28	1.52
2	7V	24	PRO	CA-C	-16.68	1.28	1.52
2	1B	24	PRO	CA-C	-16.67	1.28	1.52
2	1J	24	PRO	CA-C	-16.67	1.28	1.52
2	1N	24	PRO	CA-C	-16.67	1.28	1.52
2	2F	24	PRO	CA-C	-16.67	1.28	1.52
2	2J	24	PRO	CA-C	-16.67	1.28	1.52
2	27	24	PRO	CA-C	-16.67	1.28	1.52
2	3B	24	PRO	CA-C	-16.67	1.28	1.52
2	3F	24	PRO	CA-C	-16.67	1.28	1.52
2	3J	24	PRO	CA-C	-16.67	1.28	1.52
2	33	24	PRO	CA-C	-16.67	1.28	1.52
2	4B	24	PRO	CA-C	-16.67	1.28	1.52
2	4F	24	PRO	CA-C	-16.67	1.28	1.52
2	4N	24	PRO	CA-C	-16.67	1.28	1.52
2	4V	24	PRO	CA-C	-16.67	1.28	1.52
2	4Z	24	PRO	CA-C	-16.67	1.28	1.52
2	5R	24	PRO	CA-C	-16.67	1.28	1.52
2	5V	24	PRO	CA-C	-16.67	1.28	1.52
2	6J	24	PRO	CA-C	-16.67	1.28	1.52
2	6N	24	PRO	CA-C	-16.67	1.28	1.52
2	6R	24	PRO	CA-C	-16.67	1.28	1.52
2	6V	24	PRO	CA-C	-16.67	1.28	1.52
2	7F	24	PRO	CA-C	-16.67	1.28	1.52
2	7N	24	PRO	CA-C	-16.67	1.28	1.52
2	7R	24	PRO	CA-C	-16.67	1.28	1.52
2	1F	29	MET	CA-C	16.66	1.73	1.52
2	2N	29	MET	CA-C	16.66	1.73	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	29	MET	CA-C	16.66	1.73	1.52
2	3N	29	MET	CA-C	16.66	1.73	1.52
2	37	29	MET	CA-C	16.66	1.73	1.52
2	4J	29	MET	CA-C	16.66	1.73	1.52
2	4R	29	MET	CA-C	16.66	1.73	1.52
2	5Z	29	MET	CA-C	16.66	1.73	1.52
2	6F	29	MET	CA-C	16.66	1.73	1.52
2	6Z	29	MET	CA-C	16.66	1.73	1.52
2	7J	29	MET	CA-C	16.66	1.73	1.52
2	7V	29	MET	CA-C	16.66	1.73	1.52
1	1Q	151	ASN	N-CA	16.66	1.63	1.46
1	1U	151	ASN	N-CA	16.66	1.63	1.46
1	1Y	151	ASN	N-CA	16.66	1.63	1.46
1	2Q	151	ASN	N-CA	16.66	1.63	1.46
1	2U	151	ASN	N-CA	16.66	1.63	1.46
1	2Y	151	ASN	N-CA	16.66	1.63	1.46
1	42	151	ASN	N-CA	16.66	1.63	1.46
1	46	151	ASN	N-CA	16.66	1.63	1.46
1	5A	151	ASN	N-CA	16.66	1.63	1.46
1	52	151	ASN	N-CA	16.66	1.63	1.46
1	56	151	ASN	N-CA	16.66	1.63	1.46
1	6A	151	ASN	N-CA	16.66	1.63	1.46
1	1E	83	GLY	C-O	-16.65	1.02	1.23
1	2M	83	GLY	C-O	-16.65	1.02	1.23
1	22	83	GLY	C-O	-16.65	1.02	1.23
1	3M	83	GLY	C-O	-16.65	1.02	1.23
1	36	83	GLY	C-O	-16.65	1.02	1.23
1	4I	83	GLY	C-O	-16.65	1.02	1.23
1	4Q	83	GLY	C-O	-16.65	1.02	1.23
1	5Y	83	GLY	C-O	-16.65	1.02	1.23
1	6E	83	GLY	C-O	-16.65	1.02	1.23
1	6Y	83	GLY	C-O	-16.65	1.02	1.23
1	7I	83	GLY	C-O	-16.65	1.02	1.23
1	7U	83	GLY	C-O	-16.65	1.02	1.23
1	12	83	GLY	C-O	-16.64	1.02	1.23
1	16	83	GLY	C-O	-16.64	1.02	1.23
1	2A	83	GLY	C-O	-16.64	1.02	1.23
1	3Q	83	GLY	C-O	-16.64	1.02	1.23
1	3U	83	GLY	C-O	-16.64	1.02	1.23
1	3Y	83	GLY	C-O	-16.64	1.02	1.23
1	5E	83	GLY	C-O	-16.64	1.02	1.23
1	5I	83	GLY	C-O	-16.64	1.02	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	83	GLY	C-O	-16.64	1.02	1.23
1	62	83	GLY	C-O	-16.64	1.02	1.23
1	66	83	GLY	C-O	-16.64	1.02	1.23
1	7A	83	GLY	C-O	-16.64	1.02	1.23
1	1A	83	GLY	C-O	-16.64	1.02	1.23
1	1I	83	GLY	C-O	-16.64	1.02	1.23
1	2E	83	GLY	C-O	-16.64	1.02	1.23
1	26	83	GLY	C-O	-16.64	1.02	1.23
1	3E	83	GLY	C-O	-16.64	1.02	1.23
1	4A	83	GLY	C-O	-16.64	1.02	1.23
1	4M	83	GLY	C-O	-16.64	1.02	1.23
1	4U	83	GLY	C-O	-16.64	1.02	1.23
1	5Q	83	GLY	C-O	-16.64	1.02	1.23
1	6I	83	GLY	C-O	-16.64	1.02	1.23
1	6Q	83	GLY	C-O	-16.64	1.02	1.23
1	7M	83	GLY	C-O	-16.64	1.02	1.23
2	1F	226	ILE	C-N	16.63	1.56	1.33
1	1Q	83	GLY	C-O	-16.63	1.02	1.23
1	1U	83	GLY	C-O	-16.63	1.02	1.23
1	1Y	83	GLY	C-O	-16.63	1.02	1.23
2	2N	226	ILE	C-N	16.63	1.56	1.33
1	2Q	83	GLY	C-O	-16.63	1.02	1.23
1	2U	83	GLY	C-O	-16.63	1.02	1.23
1	2Y	83	GLY	C-O	-16.63	1.02	1.23
2	23	226	ILE	C-N	16.63	1.56	1.33
2	3N	226	ILE	C-N	16.63	1.56	1.33
2	37	226	ILE	C-N	16.63	1.56	1.33
2	4J	226	ILE	C-N	16.63	1.56	1.33
2	4R	226	ILE	C-N	16.63	1.56	1.33
1	42	83	GLY	C-O	-16.63	1.02	1.23
1	46	83	GLY	C-O	-16.63	1.02	1.23
1	5A	83	GLY	C-O	-16.63	1.02	1.23
2	5Z	226	ILE	C-N	16.63	1.56	1.33
1	52	83	GLY	C-O	-16.63	1.02	1.23
1	56	83	GLY	C-O	-16.63	1.02	1.23
1	6A	83	GLY	C-O	-16.63	1.02	1.23
2	6F	226	ILE	C-N	16.63	1.56	1.33
2	6Z	226	ILE	C-N	16.63	1.56	1.33
2	7J	226	ILE	C-N	16.63	1.56	1.33
2	7V	226	ILE	C-N	16.63	1.56	1.33
1	1E	151	ASN	N-CA	16.62	1.63	1.46
1	2M	151	ASN	N-CA	16.62	1.63	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	151	ASN	N-CA	16.62	1.63	1.46
1	3M	151	ASN	N-CA	16.62	1.63	1.46
1	36	151	ASN	N-CA	16.62	1.63	1.46
1	4I	151	ASN	N-CA	16.62	1.63	1.46
1	4Q	151	ASN	N-CA	16.62	1.63	1.46
1	5Y	151	ASN	N-CA	16.62	1.63	1.46
1	6E	151	ASN	N-CA	16.62	1.63	1.46
1	6Y	151	ASN	N-CA	16.62	1.63	1.46
1	7I	151	ASN	N-CA	16.62	1.63	1.46
1	7U	151	ASN	N-CA	16.62	1.63	1.46
2	1N	29	MET	CA-C	16.62	1.73	1.52
2	2J	29	MET	CA-C	16.62	1.73	1.52
2	3B	29	MET	CA-C	16.62	1.73	1.52
2	3J	29	MET	CA-C	16.62	1.73	1.52
2	33	29	MET	CA-C	16.62	1.73	1.52
2	4F	29	MET	CA-C	16.62	1.73	1.52
2	4Z	29	MET	CA-C	16.62	1.73	1.52
2	5V	29	MET	CA-C	16.62	1.73	1.52
2	6N	29	MET	CA-C	16.62	1.73	1.52
2	6V	29	MET	CA-C	16.62	1.73	1.52
2	7F	29	MET	CA-C	16.62	1.73	1.52
2	7R	29	MET	CA-C	16.62	1.73	1.52
2	1N	226	ILE	C-N	16.61	1.56	1.33
2	2J	226	ILE	C-N	16.61	1.56	1.33
2	3B	226	ILE	C-N	16.61	1.56	1.33
2	3J	226	ILE	C-N	16.61	1.56	1.33
2	33	226	ILE	C-N	16.61	1.56	1.33
2	4F	226	ILE	C-N	16.61	1.56	1.33
2	4Z	226	ILE	C-N	16.61	1.56	1.33
2	5V	226	ILE	C-N	16.61	1.56	1.33
2	6N	226	ILE	C-N	16.61	1.56	1.33
2	6V	226	ILE	C-N	16.61	1.56	1.33
2	7F	226	ILE	C-N	16.61	1.56	1.33
2	7R	226	ILE	C-N	16.61	1.56	1.33
1	12	151	ASN	N-CA	16.61	1.63	1.46
1	16	151	ASN	N-CA	16.61	1.63	1.46
1	2A	151	ASN	N-CA	16.61	1.63	1.46
1	3Q	151	ASN	N-CA	16.61	1.63	1.46
1	3U	151	ASN	N-CA	16.61	1.63	1.46
1	3Y	151	ASN	N-CA	16.61	1.63	1.46
1	5E	151	ASN	N-CA	16.61	1.63	1.46
1	5I	151	ASN	N-CA	16.61	1.63	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	151	ASN	N-CA	16.61	1.63	1.46
1	62	151	ASN	N-CA	16.61	1.63	1.46
1	66	151	ASN	N-CA	16.61	1.63	1.46
1	7A	151	ASN	N-CA	16.61	1.63	1.46
1	1M	83	GLY	C-O	-16.61	1.02	1.23
1	2I	83	GLY	C-O	-16.61	1.02	1.23
1	3A	83	GLY	C-O	-16.61	1.02	1.23
1	3I	83	GLY	C-O	-16.61	1.02	1.23
1	32	83	GLY	C-O	-16.61	1.02	1.23
1	4E	83	GLY	C-O	-16.61	1.02	1.23
1	4Y	83	GLY	C-O	-16.61	1.02	1.23
1	5U	83	GLY	C-O	-16.61	1.02	1.23
1	6M	83	GLY	C-O	-16.61	1.02	1.23
1	6U	83	GLY	C-O	-16.61	1.02	1.23
1	7E	83	GLY	C-O	-16.61	1.02	1.23
1	7Q	83	GLY	C-O	-16.61	1.02	1.23
2	1R	226	ILE	C-N	16.61	1.56	1.33
2	1V	226	ILE	C-N	16.61	1.56	1.33
2	1Z	226	ILE	C-N	16.61	1.56	1.33
2	2R	226	ILE	C-N	16.61	1.56	1.33
2	2V	226	ILE	C-N	16.61	1.56	1.33
2	2Z	226	ILE	C-N	16.61	1.56	1.33
2	43	226	ILE	C-N	16.61	1.56	1.33
2	47	226	ILE	C-N	16.61	1.56	1.33
2	5B	226	ILE	C-N	16.61	1.56	1.33
2	53	226	ILE	C-N	16.61	1.56	1.33
2	57	226	ILE	C-N	16.61	1.56	1.33
2	6B	226	ILE	C-N	16.61	1.56	1.33
1	1E	169	ASP	CA-C	16.60	1.73	1.52
1	2M	169	ASP	CA-C	16.60	1.73	1.52
1	22	169	ASP	CA-C	16.60	1.73	1.52
1	3M	169	ASP	CA-C	16.60	1.73	1.52
1	36	169	ASP	CA-C	16.60	1.73	1.52
1	4I	169	ASP	CA-C	16.60	1.73	1.52
1	4Q	169	ASP	CA-C	16.60	1.73	1.52
1	5Y	169	ASP	CA-C	16.60	1.73	1.52
1	6E	169	ASP	CA-C	16.60	1.73	1.52
1	6Y	169	ASP	CA-C	16.60	1.73	1.52
1	7I	169	ASP	CA-C	16.60	1.73	1.52
1	7U	169	ASP	CA-C	16.60	1.73	1.52
1	1M	151	ASN	N-CA	16.58	1.63	1.46
1	2I	151	ASN	N-CA	16.58	1.63	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	151	ASN	N-CA	16.58	1.63	1.46
1	3I	151	ASN	N-CA	16.58	1.63	1.46
1	32	151	ASN	N-CA	16.58	1.63	1.46
1	4E	151	ASN	N-CA	16.58	1.63	1.46
1	4Y	151	ASN	N-CA	16.58	1.63	1.46
1	5U	151	ASN	N-CA	16.58	1.63	1.46
1	6M	151	ASN	N-CA	16.58	1.63	1.46
1	6U	151	ASN	N-CA	16.58	1.63	1.46
1	7E	151	ASN	N-CA	16.58	1.63	1.46
1	7Q	151	ASN	N-CA	16.58	1.63	1.46
2	1B	226	ILE	C-N	16.58	1.56	1.33
2	1J	226	ILE	C-N	16.58	1.56	1.33
2	13	226	ILE	C-N	16.58	1.56	1.33
2	17	226	ILE	C-N	16.58	1.56	1.33
2	2B	226	ILE	C-N	16.58	1.56	1.33
2	2F	226	ILE	C-N	16.58	1.56	1.33
2	27	226	ILE	C-N	16.58	1.56	1.33
2	3F	226	ILE	C-N	16.58	1.56	1.33
2	3R	226	ILE	C-N	16.58	1.56	1.33
2	3V	226	ILE	C-N	16.58	1.56	1.33
2	3Z	226	ILE	C-N	16.58	1.56	1.33
2	4B	226	ILE	C-N	16.58	1.56	1.33
2	4N	226	ILE	C-N	16.58	1.56	1.33
2	4V	226	ILE	C-N	16.58	1.56	1.33
2	5F	226	ILE	C-N	16.58	1.56	1.33
2	5J	226	ILE	C-N	16.58	1.56	1.33
2	5N	226	ILE	C-N	16.58	1.56	1.33
2	5R	226	ILE	C-N	16.58	1.56	1.33
2	6J	226	ILE	C-N	16.58	1.56	1.33
2	6R	226	ILE	C-N	16.58	1.56	1.33
2	63	226	ILE	C-N	16.58	1.56	1.33
2	67	226	ILE	C-N	16.58	1.56	1.33
2	7B	226	ILE	C-N	16.58	1.56	1.33
2	7N	226	ILE	C-N	16.58	1.56	1.33
1	12	169	ASP	CA-C	16.58	1.73	1.52
1	16	169	ASP	CA-C	16.58	1.73	1.52
1	2A	169	ASP	CA-C	16.58	1.73	1.52
1	3Q	169	ASP	CA-C	16.58	1.73	1.52
1	3U	169	ASP	CA-C	16.58	1.73	1.52
1	3Y	169	ASP	CA-C	16.58	1.73	1.52
1	5E	169	ASP	CA-C	16.58	1.73	1.52
1	5I	169	ASP	CA-C	16.58	1.73	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	169	ASP	CA-C	16.58	1.73	1.52
1	62	169	ASP	CA-C	16.58	1.73	1.52
1	66	169	ASP	CA-C	16.58	1.73	1.52
1	7A	169	ASP	CA-C	16.58	1.73	1.52
2	1B	29	MET	CA-C	16.57	1.73	1.52
2	1J	29	MET	CA-C	16.57	1.73	1.52
2	2F	29	MET	CA-C	16.57	1.73	1.52
2	27	29	MET	CA-C	16.57	1.73	1.52
2	3F	29	MET	CA-C	16.57	1.73	1.52
2	4B	29	MET	CA-C	16.57	1.73	1.52
2	4N	29	MET	CA-C	16.57	1.73	1.52
2	4V	29	MET	CA-C	16.57	1.73	1.52
2	5R	29	MET	CA-C	16.57	1.73	1.52
2	6J	29	MET	CA-C	16.57	1.73	1.52
2	6R	29	MET	CA-C	16.57	1.73	1.52
2	7N	29	MET	CA-C	16.57	1.73	1.52
1	12	15	SER	CB-OG	16.56	1.75	1.42
1	16	15	SER	CB-OG	16.56	1.75	1.42
1	2A	15	SER	CB-OG	16.56	1.75	1.42
1	3Q	15	SER	CB-OG	16.56	1.75	1.42
1	3U	15	SER	CB-OG	16.56	1.75	1.42
1	3Y	15	SER	CB-OG	16.56	1.75	1.42
1	5E	15	SER	CB-OG	16.56	1.75	1.42
1	5I	15	SER	CB-OG	16.56	1.75	1.42
1	5M	15	SER	CB-OG	16.56	1.75	1.42
1	62	15	SER	CB-OG	16.56	1.75	1.42
1	66	15	SER	CB-OG	16.56	1.75	1.42
1	7A	15	SER	CB-OG	16.56	1.75	1.42
1	1A	151	ASN	N-CA	16.56	1.63	1.46
1	1I	151	ASN	N-CA	16.56	1.63	1.46
2	1N	25	SER	C-O	-16.56	1.03	1.24
1	2E	151	ASN	N-CA	16.56	1.63	1.46
2	2J	25	SER	C-O	-16.56	1.03	1.24
1	26	151	ASN	N-CA	16.56	1.63	1.46
2	3B	25	SER	C-O	-16.56	1.03	1.24
1	3E	151	ASN	N-CA	16.56	1.63	1.46
2	3J	25	SER	C-O	-16.56	1.03	1.24
2	33	25	SER	C-O	-16.56	1.03	1.24
1	4A	151	ASN	N-CA	16.56	1.63	1.46
2	4F	25	SER	C-O	-16.56	1.03	1.24
1	4M	151	ASN	N-CA	16.56	1.63	1.46
1	4U	151	ASN	N-CA	16.56	1.63	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4Z	25	SER	C-O	-16.56	1.03	1.24
1	5Q	151	ASN	N-CA	16.56	1.63	1.46
2	5V	25	SER	C-O	-16.56	1.03	1.24
1	6I	151	ASN	N-CA	16.56	1.63	1.46
2	6N	25	SER	C-O	-16.56	1.03	1.24
1	6Q	151	ASN	N-CA	16.56	1.63	1.46
2	6V	25	SER	C-O	-16.56	1.03	1.24
2	7F	25	SER	C-O	-16.56	1.03	1.24
1	7M	151	ASN	N-CA	16.56	1.63	1.46
2	7R	25	SER	C-O	-16.56	1.03	1.24
1	1A	15	SER	CB-OG	16.55	1.75	1.42
1	1I	15	SER	CB-OG	16.55	1.75	1.42
1	2E	15	SER	CB-OG	16.55	1.75	1.42
1	26	15	SER	CB-OG	16.55	1.75	1.42
1	3E	15	SER	CB-OG	16.55	1.75	1.42
1	4A	15	SER	CB-OG	16.55	1.75	1.42
1	4M	15	SER	CB-OG	16.55	1.75	1.42
1	4U	15	SER	CB-OG	16.55	1.75	1.42
1	5Q	15	SER	CB-OG	16.55	1.75	1.42
1	6I	15	SER	CB-OG	16.55	1.75	1.42
1	6Q	15	SER	CB-OG	16.55	1.75	1.42
1	7M	15	SER	CB-OG	16.55	1.75	1.42
2	1B	25	SER	C-O	-16.55	1.03	1.24
2	1J	25	SER	C-O	-16.55	1.03	1.24
2	2F	25	SER	C-O	-16.55	1.03	1.24
2	27	25	SER	C-O	-16.55	1.03	1.24
2	3F	25	SER	C-O	-16.55	1.03	1.24
2	4B	25	SER	C-O	-16.55	1.03	1.24
2	4N	25	SER	C-O	-16.55	1.03	1.24
2	4V	25	SER	C-O	-16.55	1.03	1.24
2	5R	25	SER	C-O	-16.55	1.03	1.24
2	6J	25	SER	C-O	-16.55	1.03	1.24
2	6R	25	SER	C-O	-16.55	1.03	1.24
2	7N	25	SER	C-O	-16.55	1.03	1.24
2	1F	25	SER	C-O	-16.55	1.03	1.24
2	2N	25	SER	C-O	-16.55	1.03	1.24
2	23	25	SER	C-O	-16.55	1.03	1.24
2	3N	25	SER	C-O	-16.55	1.03	1.24
2	37	25	SER	C-O	-16.55	1.03	1.24
2	4J	25	SER	C-O	-16.55	1.03	1.24
2	4R	25	SER	C-O	-16.55	1.03	1.24
2	5Z	25	SER	C-O	-16.55	1.03	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	25	SER	C-O	-16.55	1.03	1.24
2	6Z	25	SER	C-O	-16.55	1.03	1.24
2	7J	25	SER	C-O	-16.55	1.03	1.24
2	7V	25	SER	C-O	-16.55	1.03	1.24
2	1R	25	SER	C-O	-16.55	1.03	1.24
2	1V	25	SER	C-O	-16.55	1.03	1.24
2	1Z	25	SER	C-O	-16.55	1.03	1.24
2	2R	25	SER	C-O	-16.55	1.03	1.24
2	2V	25	SER	C-O	-16.55	1.03	1.24
2	2Z	25	SER	C-O	-16.55	1.03	1.24
2	43	25	SER	C-O	-16.55	1.03	1.24
2	47	25	SER	C-O	-16.55	1.03	1.24
2	5B	25	SER	C-O	-16.55	1.03	1.24
2	53	25	SER	C-O	-16.55	1.03	1.24
2	57	25	SER	C-O	-16.55	1.03	1.24
2	6B	25	SER	C-O	-16.55	1.03	1.24
1	1E	15	SER	CB-OG	16.54	1.75	1.42
2	13	25	SER	C-O	-16.54	1.03	1.24
2	13	29	MET	CA-C	16.54	1.73	1.52
2	17	25	SER	C-O	-16.54	1.03	1.24
2	17	29	MET	CA-C	16.54	1.73	1.52
2	2B	25	SER	C-O	-16.54	1.03	1.24
2	2B	29	MET	CA-C	16.54	1.73	1.52
1	2M	15	SER	CB-OG	16.54	1.75	1.42
1	22	15	SER	CB-OG	16.54	1.75	1.42
1	3M	15	SER	CB-OG	16.54	1.75	1.42
2	3R	25	SER	C-O	-16.54	1.03	1.24
2	3R	29	MET	CA-C	16.54	1.73	1.52
2	3V	25	SER	C-O	-16.54	1.03	1.24
2	3V	29	MET	CA-C	16.54	1.73	1.52
2	3Z	25	SER	C-O	-16.54	1.03	1.24
2	3Z	29	MET	CA-C	16.54	1.73	1.52
1	36	15	SER	CB-OG	16.54	1.75	1.42
1	4I	15	SER	CB-OG	16.54	1.75	1.42
1	4Q	15	SER	CB-OG	16.54	1.75	1.42
2	5F	25	SER	C-O	-16.54	1.03	1.24
2	5F	29	MET	CA-C	16.54	1.73	1.52
2	5J	25	SER	C-O	-16.54	1.03	1.24
2	5J	29	MET	CA-C	16.54	1.73	1.52
2	5N	25	SER	C-O	-16.54	1.03	1.24
2	5N	29	MET	CA-C	16.54	1.73	1.52
1	5Y	15	SER	CB-OG	16.54	1.75	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	15	SER	CB-OG	16.54	1.75	1.42
1	6Y	15	SER	CB-OG	16.54	1.75	1.42
2	63	25	SER	C-O	-16.54	1.03	1.24
2	63	29	MET	CA-C	16.54	1.73	1.52
2	67	25	SER	C-O	-16.54	1.03	1.24
2	67	29	MET	CA-C	16.54	1.73	1.52
2	7B	25	SER	C-O	-16.54	1.03	1.24
2	7B	29	MET	CA-C	16.54	1.73	1.52
1	7I	15	SER	CB-OG	16.54	1.75	1.42
1	7U	15	SER	CB-OG	16.54	1.75	1.42
1	1Q	15	SER	CB-OG	16.53	1.75	1.42
1	1U	15	SER	CB-OG	16.53	1.75	1.42
1	1Y	15	SER	CB-OG	16.53	1.75	1.42
2	13	31	PHE	CB-CG	16.53	1.88	1.50
2	17	31	PHE	CB-CG	16.53	1.88	1.50
2	2B	31	PHE	CB-CG	16.53	1.88	1.50
1	2Q	15	SER	CB-OG	16.53	1.75	1.42
1	2U	15	SER	CB-OG	16.53	1.75	1.42
1	2Y	15	SER	CB-OG	16.53	1.75	1.42
2	3R	31	PHE	CB-CG	16.53	1.88	1.50
2	3V	31	PHE	CB-CG	16.53	1.88	1.50
2	3Z	31	PHE	CB-CG	16.53	1.88	1.50
1	42	15	SER	CB-OG	16.53	1.75	1.42
1	46	15	SER	CB-OG	16.53	1.75	1.42
1	5A	15	SER	CB-OG	16.53	1.75	1.42
2	5F	31	PHE	CB-CG	16.53	1.88	1.50
2	5J	31	PHE	CB-CG	16.53	1.88	1.50
2	5N	31	PHE	CB-CG	16.53	1.88	1.50
1	52	15	SER	CB-OG	16.53	1.75	1.42
1	56	15	SER	CB-OG	16.53	1.75	1.42
1	6A	15	SER	CB-OG	16.53	1.75	1.42
2	63	31	PHE	CB-CG	16.53	1.88	1.50
2	67	31	PHE	CB-CG	16.53	1.88	1.50
2	7B	31	PHE	CB-CG	16.53	1.88	1.50
2	1N	31	PHE	CB-CG	16.53	1.88	1.50
2	2J	31	PHE	CB-CG	16.53	1.88	1.50
2	3B	31	PHE	CB-CG	16.53	1.88	1.50
2	3J	31	PHE	CB-CG	16.53	1.88	1.50
2	33	31	PHE	CB-CG	16.53	1.88	1.50
2	4F	31	PHE	CB-CG	16.53	1.88	1.50
2	4Z	31	PHE	CB-CG	16.53	1.88	1.50
2	5V	31	PHE	CB-CG	16.53	1.88	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	31	PHE	CB-CG	16.53	1.88	1.50
2	6V	31	PHE	CB-CG	16.53	1.88	1.50
2	7F	31	PHE	CB-CG	16.53	1.88	1.50
2	7R	31	PHE	CB-CG	16.53	1.88	1.50
2	1R	29	MET	CA-C	16.53	1.73	1.52
2	1V	29	MET	CA-C	16.53	1.73	1.52
2	1Z	29	MET	CA-C	16.53	1.73	1.52
2	2R	29	MET	CA-C	16.53	1.73	1.52
2	2V	29	MET	CA-C	16.53	1.73	1.52
2	2Z	29	MET	CA-C	16.53	1.73	1.52
2	43	29	MET	CA-C	16.53	1.73	1.52
2	47	29	MET	CA-C	16.53	1.73	1.52
2	5B	29	MET	CA-C	16.53	1.73	1.52
2	53	29	MET	CA-C	16.53	1.73	1.52
2	57	29	MET	CA-C	16.53	1.73	1.52
2	6B	29	MET	CA-C	16.53	1.73	1.52
1	1A	169	ASP	CA-C	16.52	1.73	1.52
1	1I	169	ASP	CA-C	16.52	1.73	1.52
1	2E	169	ASP	CA-C	16.52	1.73	1.52
1	26	169	ASP	CA-C	16.52	1.73	1.52
1	3E	169	ASP	CA-C	16.52	1.73	1.52
1	4A	169	ASP	CA-C	16.52	1.73	1.52
1	4M	169	ASP	CA-C	16.52	1.73	1.52
1	4U	169	ASP	CA-C	16.52	1.73	1.52
1	5Q	169	ASP	CA-C	16.52	1.73	1.52
1	6I	169	ASP	CA-C	16.52	1.73	1.52
1	6Q	169	ASP	CA-C	16.52	1.73	1.52
1	7M	169	ASP	CA-C	16.52	1.73	1.52
2	1B	31	PHE	CB-CG	16.52	1.88	1.50
2	1J	31	PHE	CB-CG	16.52	1.88	1.50
1	1M	15	SER	CB-OG	16.52	1.75	1.42
2	2F	31	PHE	CB-CG	16.52	1.88	1.50
1	2I	15	SER	CB-OG	16.52	1.75	1.42
2	27	31	PHE	CB-CG	16.52	1.88	1.50
1	3A	15	SER	CB-OG	16.52	1.75	1.42
2	3F	31	PHE	CB-CG	16.52	1.88	1.50
1	3I	15	SER	CB-OG	16.52	1.75	1.42
1	32	15	SER	CB-OG	16.52	1.75	1.42
2	4B	31	PHE	CB-CG	16.52	1.88	1.50
1	4E	15	SER	CB-OG	16.52	1.75	1.42
2	4N	31	PHE	CB-CG	16.52	1.88	1.50
2	4V	31	PHE	CB-CG	16.52	1.88	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4Y	15	SER	CB-OG	16.52	1.75	1.42
2	5R	31	PHE	CB-CG	16.52	1.88	1.50
1	5U	15	SER	CB-OG	16.52	1.75	1.42
2	6J	31	PHE	CB-CG	16.52	1.88	1.50
1	6M	15	SER	CB-OG	16.52	1.75	1.42
2	6R	31	PHE	CB-CG	16.52	1.88	1.50
1	6U	15	SER	CB-OG	16.52	1.75	1.42
1	7E	15	SER	CB-OG	16.52	1.75	1.42
2	7N	31	PHE	CB-CG	16.52	1.88	1.50
1	7Q	15	SER	CB-OG	16.52	1.75	1.42
1	1Q	169	ASP	CA-C	16.52	1.73	1.52
1	1U	169	ASP	CA-C	16.52	1.73	1.52
1	1Y	169	ASP	CA-C	16.52	1.73	1.52
1	2Q	169	ASP	CA-C	16.52	1.73	1.52
1	2U	169	ASP	CA-C	16.52	1.73	1.52
1	2Y	169	ASP	CA-C	16.52	1.73	1.52
1	42	169	ASP	CA-C	16.52	1.73	1.52
1	46	169	ASP	CA-C	16.52	1.73	1.52
1	5A	169	ASP	CA-C	16.52	1.73	1.52
1	52	169	ASP	CA-C	16.52	1.73	1.52
1	56	169	ASP	CA-C	16.52	1.73	1.52
1	6A	169	ASP	CA-C	16.52	1.73	1.52
2	1R	31	PHE	CB-CG	16.52	1.88	1.50
2	1V	31	PHE	CB-CG	16.52	1.88	1.50
2	1Z	31	PHE	CB-CG	16.52	1.88	1.50
2	2R	31	PHE	CB-CG	16.52	1.88	1.50
2	2V	31	PHE	CB-CG	16.52	1.88	1.50
2	2Z	31	PHE	CB-CG	16.52	1.88	1.50
2	43	31	PHE	CB-CG	16.52	1.88	1.50
2	47	31	PHE	CB-CG	16.52	1.88	1.50
2	5B	31	PHE	CB-CG	16.52	1.88	1.50
2	53	31	PHE	CB-CG	16.52	1.88	1.50
2	57	31	PHE	CB-CG	16.52	1.88	1.50
2	6B	31	PHE	CB-CG	16.52	1.88	1.50
1	12	38	PRO	CA-C	-16.51	1.28	1.52
1	16	38	PRO	CA-C	-16.51	1.28	1.52
1	2A	38	PRO	CA-C	-16.51	1.28	1.52
1	3Q	38	PRO	CA-C	-16.51	1.28	1.52
1	3U	38	PRO	CA-C	-16.51	1.28	1.52
1	3Y	38	PRO	CA-C	-16.51	1.28	1.52
1	5E	38	PRO	CA-C	-16.51	1.28	1.52
1	5I	38	PRO	CA-C	-16.51	1.28	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	38	PRO	CA-C	-16.51	1.28	1.52
1	62	38	PRO	CA-C	-16.51	1.28	1.52
1	66	38	PRO	CA-C	-16.51	1.28	1.52
1	7A	38	PRO	CA-C	-16.51	1.28	1.52
1	1M	169	ASP	CA-C	16.50	1.73	1.52
1	2I	169	ASP	CA-C	16.50	1.73	1.52
1	3A	169	ASP	CA-C	16.50	1.73	1.52
1	3I	169	ASP	CA-C	16.50	1.73	1.52
1	32	169	ASP	CA-C	16.50	1.73	1.52
1	4E	169	ASP	CA-C	16.50	1.73	1.52
1	4Y	169	ASP	CA-C	16.50	1.73	1.52
1	5U	169	ASP	CA-C	16.50	1.73	1.52
1	6M	169	ASP	CA-C	16.50	1.73	1.52
1	6U	169	ASP	CA-C	16.50	1.73	1.52
1	7E	169	ASP	CA-C	16.50	1.73	1.52
1	7Q	169	ASP	CA-C	16.50	1.73	1.52
1	1A	38	PRO	CA-C	-16.50	1.28	1.52
1	1I	38	PRO	CA-C	-16.50	1.28	1.52
1	2E	38	PRO	CA-C	-16.50	1.28	1.52
1	26	38	PRO	CA-C	-16.50	1.28	1.52
1	3E	38	PRO	CA-C	-16.50	1.28	1.52
1	4A	38	PRO	CA-C	-16.50	1.28	1.52
1	4M	38	PRO	CA-C	-16.50	1.28	1.52
1	4U	38	PRO	CA-C	-16.50	1.28	1.52
1	5Q	38	PRO	CA-C	-16.50	1.28	1.52
1	6I	38	PRO	CA-C	-16.50	1.28	1.52
1	6Q	38	PRO	CA-C	-16.50	1.28	1.52
1	7M	38	PRO	CA-C	-16.50	1.28	1.52
2	1F	31	PHE	CB-CG	16.49	1.88	1.50
1	1M	38	PRO	CA-C	-16.49	1.28	1.52
1	2I	38	PRO	CA-C	-16.49	1.28	1.52
2	2N	31	PHE	CB-CG	16.49	1.88	1.50
2	23	31	PHE	CB-CG	16.49	1.88	1.50
1	3A	38	PRO	CA-C	-16.49	1.28	1.52
1	3I	38	PRO	CA-C	-16.49	1.28	1.52
2	3N	31	PHE	CB-CG	16.49	1.88	1.50
1	32	38	PRO	CA-C	-16.49	1.28	1.52
2	37	31	PHE	CB-CG	16.49	1.88	1.50
1	4E	38	PRO	CA-C	-16.49	1.28	1.52
2	4J	31	PHE	CB-CG	16.49	1.88	1.50
2	4R	31	PHE	CB-CG	16.49	1.88	1.50
1	4Y	38	PRO	CA-C	-16.49	1.28	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5U	38	PRO	CA-C	-16.49	1.28	1.52
2	5Z	31	PHE	CB-CG	16.49	1.88	1.50
2	6F	31	PHE	CB-CG	16.49	1.88	1.50
1	6M	38	PRO	CA-C	-16.49	1.28	1.52
1	6U	38	PRO	CA-C	-16.49	1.28	1.52
2	6Z	31	PHE	CB-CG	16.49	1.88	1.50
1	7E	38	PRO	CA-C	-16.49	1.28	1.52
2	7J	31	PHE	CB-CG	16.49	1.88	1.50
1	7Q	38	PRO	CA-C	-16.49	1.28	1.52
2	7V	31	PHE	CB-CG	16.49	1.88	1.50
1	1E	38	PRO	CA-C	-16.49	1.28	1.52
1	1Q	38	PRO	CA-C	-16.49	1.28	1.52
1	1U	38	PRO	CA-C	-16.49	1.28	1.52
1	1Y	38	PRO	CA-C	-16.49	1.28	1.52
1	2M	38	PRO	CA-C	-16.49	1.28	1.52
1	2Q	38	PRO	CA-C	-16.49	1.28	1.52
1	2U	38	PRO	CA-C	-16.49	1.28	1.52
1	2Y	38	PRO	CA-C	-16.49	1.28	1.52
1	22	38	PRO	CA-C	-16.49	1.28	1.52
1	3M	38	PRO	CA-C	-16.49	1.28	1.52
1	36	38	PRO	CA-C	-16.49	1.28	1.52
1	4I	38	PRO	CA-C	-16.49	1.28	1.52
1	4Q	38	PRO	CA-C	-16.49	1.28	1.52
1	42	38	PRO	CA-C	-16.49	1.28	1.52
1	46	38	PRO	CA-C	-16.49	1.28	1.52
1	5A	38	PRO	CA-C	-16.49	1.28	1.52
1	5Y	38	PRO	CA-C	-16.49	1.28	1.52
1	52	38	PRO	CA-C	-16.49	1.28	1.52
1	56	38	PRO	CA-C	-16.49	1.28	1.52
1	6A	38	PRO	CA-C	-16.49	1.28	1.52
1	6E	38	PRO	CA-C	-16.49	1.28	1.52
1	6Y	38	PRO	CA-C	-16.49	1.28	1.52
1	7I	38	PRO	CA-C	-16.49	1.28	1.52
1	7U	38	PRO	CA-C	-16.49	1.28	1.52
2	1N	8	VAL	CA-CB	16.38	1.76	1.54
2	2J	8	VAL	CA-CB	16.38	1.76	1.54
2	3B	8	VAL	CA-CB	16.38	1.76	1.54
2	3J	8	VAL	CA-CB	16.38	1.76	1.54
2	33	8	VAL	CA-CB	16.38	1.76	1.54
2	4F	8	VAL	CA-CB	16.38	1.76	1.54
2	4Z	8	VAL	CA-CB	16.38	1.76	1.54
2	5V	8	VAL	CA-CB	16.38	1.76	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	8	VAL	CA-CB	16.38	1.76	1.54
2	6V	8	VAL	CA-CB	16.38	1.76	1.54
2	7F	8	VAL	CA-CB	16.38	1.76	1.54
2	7R	8	VAL	CA-CB	16.38	1.76	1.54
2	13	8	VAL	CA-CB	16.36	1.76	1.54
2	17	8	VAL	CA-CB	16.36	1.76	1.54
2	2B	8	VAL	CA-CB	16.36	1.76	1.54
2	3R	8	VAL	CA-CB	16.36	1.76	1.54
2	3V	8	VAL	CA-CB	16.36	1.76	1.54
2	3Z	8	VAL	CA-CB	16.36	1.76	1.54
2	5F	8	VAL	CA-CB	16.36	1.76	1.54
2	5J	8	VAL	CA-CB	16.36	1.76	1.54
2	5N	8	VAL	CA-CB	16.36	1.76	1.54
2	63	8	VAL	CA-CB	16.36	1.76	1.54
2	67	8	VAL	CA-CB	16.36	1.76	1.54
2	7B	8	VAL	CA-CB	16.36	1.76	1.54
2	1F	8	VAL	CA-CB	16.35	1.76	1.54
2	1R	8	VAL	CA-CB	16.35	1.76	1.54
2	1V	8	VAL	CA-CB	16.35	1.76	1.54
2	1Z	8	VAL	CA-CB	16.35	1.76	1.54
2	2N	8	VAL	CA-CB	16.35	1.76	1.54
2	2R	8	VAL	CA-CB	16.35	1.76	1.54
2	2V	8	VAL	CA-CB	16.35	1.76	1.54
2	2Z	8	VAL	CA-CB	16.35	1.76	1.54
2	23	8	VAL	CA-CB	16.35	1.76	1.54
2	3N	8	VAL	CA-CB	16.35	1.76	1.54
2	37	8	VAL	CA-CB	16.35	1.76	1.54
2	4J	8	VAL	CA-CB	16.35	1.76	1.54
2	4R	8	VAL	CA-CB	16.35	1.76	1.54
2	43	8	VAL	CA-CB	16.35	1.76	1.54
2	47	8	VAL	CA-CB	16.35	1.76	1.54
2	5B	8	VAL	CA-CB	16.35	1.76	1.54
2	5Z	8	VAL	CA-CB	16.35	1.76	1.54
2	53	8	VAL	CA-CB	16.35	1.76	1.54
2	57	8	VAL	CA-CB	16.35	1.76	1.54
2	6B	8	VAL	CA-CB	16.35	1.76	1.54
2	6F	8	VAL	CA-CB	16.35	1.76	1.54
2	6Z	8	VAL	CA-CB	16.35	1.76	1.54
2	7J	8	VAL	CA-CB	16.35	1.76	1.54
2	7V	8	VAL	CA-CB	16.35	1.76	1.54
1	1M	147	ARG	CZ-NH1	-16.35	1.09	1.32
1	2I	147	ARG	CZ-NH1	-16.35	1.09	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	147	ARG	CZ-NH1	-16.35	1.09	1.32
1	3I	147	ARG	CZ-NH1	-16.35	1.09	1.32
1	32	147	ARG	CZ-NH1	-16.35	1.09	1.32
1	4E	147	ARG	CZ-NH1	-16.35	1.09	1.32
1	4Y	147	ARG	CZ-NH1	-16.35	1.09	1.32
1	5U	147	ARG	CZ-NH1	-16.35	1.09	1.32
1	6M	147	ARG	CZ-NH1	-16.35	1.09	1.32
1	6U	147	ARG	CZ-NH1	-16.35	1.09	1.32
1	7E	147	ARG	CZ-NH1	-16.35	1.09	1.32
1	7Q	147	ARG	CZ-NH1	-16.35	1.09	1.32
1	12	147	ARG	CZ-NH1	-16.34	1.09	1.32
1	16	147	ARG	CZ-NH1	-16.34	1.09	1.32
1	2A	147	ARG	CZ-NH1	-16.34	1.09	1.32
1	3Q	147	ARG	CZ-NH1	-16.34	1.09	1.32
1	3U	147	ARG	CZ-NH1	-16.34	1.09	1.32
1	3Y	147	ARG	CZ-NH1	-16.34	1.09	1.32
1	5E	147	ARG	CZ-NH1	-16.34	1.09	1.32
1	5I	147	ARG	CZ-NH1	-16.34	1.09	1.32
1	5M	147	ARG	CZ-NH1	-16.34	1.09	1.32
1	62	147	ARG	CZ-NH1	-16.34	1.09	1.32
1	66	147	ARG	CZ-NH1	-16.34	1.09	1.32
1	7A	147	ARG	CZ-NH1	-16.34	1.09	1.32
2	1B	8	VAL	CA-CB	16.34	1.76	1.54
2	1J	8	VAL	CA-CB	16.34	1.76	1.54
2	2F	8	VAL	CA-CB	16.34	1.76	1.54
2	27	8	VAL	CA-CB	16.34	1.76	1.54
2	3F	8	VAL	CA-CB	16.34	1.76	1.54
2	4B	8	VAL	CA-CB	16.34	1.76	1.54
2	4N	8	VAL	CA-CB	16.34	1.76	1.54
2	4V	8	VAL	CA-CB	16.34	1.76	1.54
2	5R	8	VAL	CA-CB	16.34	1.76	1.54
2	6J	8	VAL	CA-CB	16.34	1.76	1.54
2	6R	8	VAL	CA-CB	16.34	1.76	1.54
2	7N	8	VAL	CA-CB	16.34	1.76	1.54
1	1A	147	ARG	CZ-NH1	-16.33	1.09	1.32
1	1I	147	ARG	CZ-NH1	-16.33	1.09	1.32
1	2E	147	ARG	CZ-NH1	-16.33	1.09	1.32
1	26	147	ARG	CZ-NH1	-16.33	1.09	1.32
1	3E	147	ARG	CZ-NH1	-16.33	1.09	1.32
1	4A	147	ARG	CZ-NH1	-16.33	1.09	1.32
1	4M	147	ARG	CZ-NH1	-16.33	1.09	1.32
1	4U	147	ARG	CZ-NH1	-16.33	1.09	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	147	ARG	CZ-NH1	-16.33	1.09	1.32
1	6I	147	ARG	CZ-NH1	-16.33	1.09	1.32
1	6Q	147	ARG	CZ-NH1	-16.33	1.09	1.32
1	7M	147	ARG	CZ-NH1	-16.33	1.09	1.32
1	1E	147	ARG	CZ-NH1	-16.32	1.09	1.32
1	2M	147	ARG	CZ-NH1	-16.32	1.09	1.32
1	22	147	ARG	CZ-NH1	-16.32	1.09	1.32
1	3M	147	ARG	CZ-NH1	-16.32	1.09	1.32
1	36	147	ARG	CZ-NH1	-16.32	1.09	1.32
1	4I	147	ARG	CZ-NH1	-16.32	1.09	1.32
1	4Q	147	ARG	CZ-NH1	-16.32	1.09	1.32
1	5Y	147	ARG	CZ-NH1	-16.32	1.09	1.32
1	6E	147	ARG	CZ-NH1	-16.32	1.09	1.32
1	6Y	147	ARG	CZ-NH1	-16.32	1.09	1.32
1	7I	147	ARG	CZ-NH1	-16.32	1.09	1.32
1	7U	147	ARG	CZ-NH1	-16.32	1.09	1.32
1	1Q	147	ARG	CZ-NH1	-16.31	1.09	1.32
1	1U	147	ARG	CZ-NH1	-16.31	1.09	1.32
1	1Y	147	ARG	CZ-NH1	-16.31	1.09	1.32
1	2Q	147	ARG	CZ-NH1	-16.31	1.09	1.32
1	2U	147	ARG	CZ-NH1	-16.31	1.09	1.32
1	2Y	147	ARG	CZ-NH1	-16.31	1.09	1.32
1	42	147	ARG	CZ-NH1	-16.31	1.09	1.32
1	46	147	ARG	CZ-NH1	-16.31	1.09	1.32
1	5A	147	ARG	CZ-NH1	-16.31	1.09	1.32
1	52	147	ARG	CZ-NH1	-16.31	1.09	1.32
1	56	147	ARG	CZ-NH1	-16.31	1.09	1.32
1	6A	147	ARG	CZ-NH1	-16.31	1.09	1.32
2	13	69	SER	CA-C	16.31	1.75	1.52
2	17	69	SER	CA-C	16.31	1.75	1.52
2	2B	69	SER	CA-C	16.31	1.75	1.52
2	3R	69	SER	CA-C	16.31	1.75	1.52
2	3V	69	SER	CA-C	16.31	1.75	1.52
2	3Z	69	SER	CA-C	16.31	1.75	1.52
2	5F	69	SER	CA-C	16.31	1.75	1.52
2	5J	69	SER	CA-C	16.31	1.75	1.52
2	5N	69	SER	CA-C	16.31	1.75	1.52
2	63	69	SER	CA-C	16.31	1.75	1.52
2	67	69	SER	CA-C	16.31	1.75	1.52
2	7B	69	SER	CA-C	16.31	1.75	1.52
2	1N	69	SER	CA-C	16.30	1.75	1.52
2	2J	69	SER	CA-C	16.30	1.75	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	69	SER	CA-C	16.30	1.75	1.52
2	3J	69	SER	CA-C	16.30	1.75	1.52
2	33	69	SER	CA-C	16.30	1.75	1.52
2	4F	69	SER	CA-C	16.30	1.75	1.52
2	4Z	69	SER	CA-C	16.30	1.75	1.52
2	5V	69	SER	CA-C	16.30	1.75	1.52
2	6N	69	SER	CA-C	16.30	1.75	1.52
2	6V	69	SER	CA-C	16.30	1.75	1.52
2	7F	69	SER	CA-C	16.30	1.75	1.52
2	7R	69	SER	CA-C	16.30	1.75	1.52
2	1B	69	SER	CA-C	16.30	1.75	1.52
2	1J	69	SER	CA-C	16.30	1.75	1.52
2	2F	69	SER	CA-C	16.30	1.75	1.52
2	27	69	SER	CA-C	16.30	1.75	1.52
2	3F	69	SER	CA-C	16.30	1.75	1.52
2	4B	69	SER	CA-C	16.30	1.75	1.52
2	4N	69	SER	CA-C	16.30	1.75	1.52
2	4V	69	SER	CA-C	16.30	1.75	1.52
2	5R	69	SER	CA-C	16.30	1.75	1.52
2	6J	69	SER	CA-C	16.30	1.75	1.52
2	6R	69	SER	CA-C	16.30	1.75	1.52
2	7N	69	SER	CA-C	16.30	1.75	1.52
2	1F	69	SER	CA-C	16.29	1.75	1.52
2	2N	69	SER	CA-C	16.29	1.75	1.52
2	23	69	SER	CA-C	16.29	1.75	1.52
2	3N	69	SER	CA-C	16.29	1.75	1.52
2	37	69	SER	CA-C	16.29	1.75	1.52
2	4J	69	SER	CA-C	16.29	1.75	1.52
2	4R	69	SER	CA-C	16.29	1.75	1.52
2	5Z	69	SER	CA-C	16.29	1.75	1.52
2	6F	69	SER	CA-C	16.29	1.75	1.52
2	6Z	69	SER	CA-C	16.29	1.75	1.52
2	7J	69	SER	CA-C	16.29	1.75	1.52
2	7V	69	SER	CA-C	16.29	1.75	1.52
2	1R	69	SER	CA-C	16.27	1.75	1.52
2	1V	69	SER	CA-C	16.27	1.75	1.52
2	1Z	69	SER	CA-C	16.27	1.75	1.52
2	2R	69	SER	CA-C	16.27	1.75	1.52
2	2V	69	SER	CA-C	16.27	1.75	1.52
2	2Z	69	SER	CA-C	16.27	1.75	1.52
2	43	69	SER	CA-C	16.27	1.75	1.52
2	47	69	SER	CA-C	16.27	1.75	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	69	SER	CA-C	16.27	1.75	1.52
2	53	69	SER	CA-C	16.27	1.75	1.52
2	57	69	SER	CA-C	16.27	1.75	1.52
2	6B	69	SER	CA-C	16.27	1.75	1.52
1	1E	169	ASP	CA-CB	-16.17	1.31	1.53
1	1M	169	ASP	CA-CB	-16.17	1.31	1.53
1	2I	169	ASP	CA-CB	-16.17	1.31	1.53
1	2M	169	ASP	CA-CB	-16.17	1.31	1.53
1	22	169	ASP	CA-CB	-16.17	1.31	1.53
1	3A	169	ASP	CA-CB	-16.17	1.31	1.53
1	3I	169	ASP	CA-CB	-16.17	1.31	1.53
1	3M	169	ASP	CA-CB	-16.17	1.31	1.53
1	32	169	ASP	CA-CB	-16.17	1.31	1.53
1	36	169	ASP	CA-CB	-16.17	1.31	1.53
1	4E	169	ASP	CA-CB	-16.17	1.31	1.53
1	4I	169	ASP	CA-CB	-16.17	1.31	1.53
1	4Q	169	ASP	CA-CB	-16.17	1.31	1.53
1	4Y	169	ASP	CA-CB	-16.17	1.31	1.53
1	5U	169	ASP	CA-CB	-16.17	1.31	1.53
1	5Y	169	ASP	CA-CB	-16.17	1.31	1.53
1	6E	169	ASP	CA-CB	-16.17	1.31	1.53
1	6M	169	ASP	CA-CB	-16.17	1.31	1.53
1	6U	169	ASP	CA-CB	-16.17	1.31	1.53
1	6Y	169	ASP	CA-CB	-16.17	1.31	1.53
1	7E	169	ASP	CA-CB	-16.17	1.31	1.53
1	7I	169	ASP	CA-CB	-16.17	1.31	1.53
1	7Q	169	ASP	CA-CB	-16.17	1.31	1.53
1	7U	169	ASP	CA-CB	-16.17	1.31	1.53
2	1N	222	GLN	CD-NE2	16.16	1.67	1.33
2	13	222	GLN	CD-NE2	16.16	1.67	1.33
2	17	222	GLN	CD-NE2	16.16	1.67	1.33
2	2B	222	GLN	CD-NE2	16.16	1.67	1.33
2	2J	222	GLN	CD-NE2	16.16	1.67	1.33
2	3B	222	GLN	CD-NE2	16.16	1.67	1.33
2	3J	222	GLN	CD-NE2	16.16	1.67	1.33
2	3R	222	GLN	CD-NE2	16.16	1.67	1.33
2	3V	222	GLN	CD-NE2	16.16	1.67	1.33
2	3Z	222	GLN	CD-NE2	16.16	1.67	1.33
2	33	222	GLN	CD-NE2	16.16	1.67	1.33
2	4F	222	GLN	CD-NE2	16.16	1.67	1.33
2	4Z	222	GLN	CD-NE2	16.16	1.67	1.33
2	5F	222	GLN	CD-NE2	16.16	1.67	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5J	222	GLN	CD-NE2	16.16	1.67	1.33
2	5N	222	GLN	CD-NE2	16.16	1.67	1.33
2	5V	222	GLN	CD-NE2	16.16	1.67	1.33
2	6N	222	GLN	CD-NE2	16.16	1.67	1.33
2	6V	222	GLN	CD-NE2	16.16	1.67	1.33
2	63	222	GLN	CD-NE2	16.16	1.67	1.33
2	67	222	GLN	CD-NE2	16.16	1.67	1.33
2	7B	222	GLN	CD-NE2	16.16	1.67	1.33
2	7F	222	GLN	CD-NE2	16.16	1.67	1.33
2	7R	222	GLN	CD-NE2	16.16	1.67	1.33
2	1R	222	GLN	CD-NE2	16.15	1.67	1.33
2	1V	222	GLN	CD-NE2	16.15	1.67	1.33
2	1Z	222	GLN	CD-NE2	16.15	1.67	1.33
2	2R	222	GLN	CD-NE2	16.15	1.67	1.33
2	2V	222	GLN	CD-NE2	16.15	1.67	1.33
2	2Z	222	GLN	CD-NE2	16.15	1.67	1.33
2	43	222	GLN	CD-NE2	16.15	1.67	1.33
2	47	222	GLN	CD-NE2	16.15	1.67	1.33
2	5B	222	GLN	CD-NE2	16.15	1.67	1.33
2	53	222	GLN	CD-NE2	16.15	1.67	1.33
2	57	222	GLN	CD-NE2	16.15	1.67	1.33
2	6B	222	GLN	CD-NE2	16.15	1.67	1.33
2	1B	222	GLN	CD-NE2	16.15	1.67	1.33
2	1J	222	GLN	CD-NE2	16.15	1.67	1.33
2	2F	222	GLN	CD-NE2	16.15	1.67	1.33
2	27	222	GLN	CD-NE2	16.15	1.67	1.33
2	3F	222	GLN	CD-NE2	16.15	1.67	1.33
2	4B	222	GLN	CD-NE2	16.15	1.67	1.33
2	4N	222	GLN	CD-NE2	16.15	1.67	1.33
2	4V	222	GLN	CD-NE2	16.15	1.67	1.33
2	5R	222	GLN	CD-NE2	16.15	1.67	1.33
2	6J	222	GLN	CD-NE2	16.15	1.67	1.33
2	6R	222	GLN	CD-NE2	16.15	1.67	1.33
2	7N	222	GLN	CD-NE2	16.15	1.67	1.33
2	1F	222	GLN	CD-NE2	16.13	1.67	1.33
2	2N	222	GLN	CD-NE2	16.13	1.67	1.33
2	23	222	GLN	CD-NE2	16.13	1.67	1.33
2	3N	222	GLN	CD-NE2	16.13	1.67	1.33
2	37	222	GLN	CD-NE2	16.13	1.67	1.33
2	4J	222	GLN	CD-NE2	16.13	1.67	1.33
2	4R	222	GLN	CD-NE2	16.13	1.67	1.33
2	5Z	222	GLN	CD-NE2	16.13	1.67	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	222	GLN	CD-NE2	16.13	1.67	1.33
2	6Z	222	GLN	CD-NE2	16.13	1.67	1.33
2	7J	222	GLN	CD-NE2	16.13	1.67	1.33
2	7V	222	GLN	CD-NE2	16.13	1.67	1.33
1	1A	169	ASP	CA-CB	-16.11	1.31	1.53
1	1I	169	ASP	CA-CB	-16.11	1.31	1.53
1	2E	169	ASP	CA-CB	-16.11	1.31	1.53
1	26	169	ASP	CA-CB	-16.11	1.31	1.53
1	3E	169	ASP	CA-CB	-16.11	1.31	1.53
1	4A	169	ASP	CA-CB	-16.11	1.31	1.53
1	4M	169	ASP	CA-CB	-16.11	1.31	1.53
1	4U	169	ASP	CA-CB	-16.11	1.31	1.53
1	5Q	169	ASP	CA-CB	-16.11	1.31	1.53
1	6I	169	ASP	CA-CB	-16.11	1.31	1.53
1	6Q	169	ASP	CA-CB	-16.11	1.31	1.53
1	7M	169	ASP	CA-CB	-16.11	1.31	1.53
1	12	64	TYR	C-N	16.11	1.56	1.33
1	16	64	TYR	C-N	16.11	1.56	1.33
1	2A	64	TYR	C-N	16.11	1.56	1.33
1	3Q	64	TYR	C-N	16.11	1.56	1.33
1	3U	64	TYR	C-N	16.11	1.56	1.33
1	3Y	64	TYR	C-N	16.11	1.56	1.33
1	5E	64	TYR	C-N	16.11	1.56	1.33
1	5I	64	TYR	C-N	16.11	1.56	1.33
1	5M	64	TYR	C-N	16.11	1.56	1.33
1	62	64	TYR	C-N	16.11	1.56	1.33
1	66	64	TYR	C-N	16.11	1.56	1.33
1	7A	64	TYR	C-N	16.11	1.56	1.33
1	1A	172	PHE	CB-CG	-16.10	1.13	1.50
1	1I	172	PHE	CB-CG	-16.10	1.13	1.50
1	1M	40	SER	N-CA	-16.10	1.25	1.46
1	12	172	PHE	CB-CG	-16.10	1.13	1.50
1	16	172	PHE	CB-CG	-16.10	1.13	1.50
1	2A	172	PHE	CB-CG	-16.10	1.13	1.50
1	2E	172	PHE	CB-CG	-16.10	1.13	1.50
1	2I	40	SER	N-CA	-16.10	1.25	1.46
1	26	172	PHE	CB-CG	-16.10	1.13	1.50
1	3A	40	SER	N-CA	-16.10	1.25	1.46
1	3E	172	PHE	CB-CG	-16.10	1.13	1.50
1	3I	40	SER	N-CA	-16.10	1.25	1.46
1	3Q	172	PHE	CB-CG	-16.10	1.13	1.50
1	3U	172	PHE	CB-CG	-16.10	1.13	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3Y	172	PHE	CB-CG	-16.10	1.13	1.50
1	32	40	SER	N-CA	-16.10	1.25	1.46
1	4A	172	PHE	CB-CG	-16.10	1.13	1.50
1	4E	40	SER	N-CA	-16.10	1.25	1.46
1	4M	172	PHE	CB-CG	-16.10	1.13	1.50
1	4U	172	PHE	CB-CG	-16.10	1.13	1.50
1	4Y	40	SER	N-CA	-16.10	1.25	1.46
1	5E	172	PHE	CB-CG	-16.10	1.13	1.50
1	5I	172	PHE	CB-CG	-16.10	1.13	1.50
1	5M	172	PHE	CB-CG	-16.10	1.13	1.50
1	5Q	172	PHE	CB-CG	-16.10	1.13	1.50
1	5U	40	SER	N-CA	-16.10	1.25	1.46
1	6I	172	PHE	CB-CG	-16.10	1.13	1.50
1	6M	40	SER	N-CA	-16.10	1.25	1.46
1	6Q	172	PHE	CB-CG	-16.10	1.13	1.50
1	6U	40	SER	N-CA	-16.10	1.25	1.46
1	62	172	PHE	CB-CG	-16.10	1.13	1.50
1	66	172	PHE	CB-CG	-16.10	1.13	1.50
1	7A	172	PHE	CB-CG	-16.10	1.13	1.50
1	7E	40	SER	N-CA	-16.10	1.25	1.46
1	7M	172	PHE	CB-CG	-16.10	1.13	1.50
1	7Q	40	SER	N-CA	-16.10	1.25	1.46
1	1E	172	PHE	CB-CG	-16.10	1.13	1.50
1	2M	172	PHE	CB-CG	-16.10	1.13	1.50
1	22	172	PHE	CB-CG	-16.10	1.13	1.50
1	3M	172	PHE	CB-CG	-16.10	1.13	1.50
1	36	172	PHE	CB-CG	-16.10	1.13	1.50
1	4I	172	PHE	CB-CG	-16.10	1.13	1.50
1	4Q	172	PHE	CB-CG	-16.10	1.13	1.50
1	5Y	172	PHE	CB-CG	-16.10	1.13	1.50
1	6E	172	PHE	CB-CG	-16.10	1.13	1.50
1	6Y	172	PHE	CB-CG	-16.10	1.13	1.50
1	7I	172	PHE	CB-CG	-16.10	1.13	1.50
1	7U	172	PHE	CB-CG	-16.10	1.13	1.50
2	1N	77	THR	CA-CB	-16.09	1.29	1.53
2	2J	77	THR	CA-CB	-16.09	1.29	1.53
2	3B	77	THR	CA-CB	-16.09	1.29	1.53
2	3J	77	THR	CA-CB	-16.09	1.29	1.53
2	33	77	THR	CA-CB	-16.09	1.29	1.53
2	4F	77	THR	CA-CB	-16.09	1.29	1.53
2	4Z	77	THR	CA-CB	-16.09	1.29	1.53
2	5V	77	THR	CA-CB	-16.09	1.29	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	77	THR	CA-CB	-16.09	1.29	1.53
2	6V	77	THR	CA-CB	-16.09	1.29	1.53
2	7F	77	THR	CA-CB	-16.09	1.29	1.53
2	7R	77	THR	CA-CB	-16.09	1.29	1.53
1	1E	40	SER	N-CA	-16.09	1.25	1.46
1	2M	40	SER	N-CA	-16.09	1.25	1.46
1	22	40	SER	N-CA	-16.09	1.25	1.46
1	3M	40	SER	N-CA	-16.09	1.25	1.46
1	36	40	SER	N-CA	-16.09	1.25	1.46
1	4I	40	SER	N-CA	-16.09	1.25	1.46
1	4Q	40	SER	N-CA	-16.09	1.25	1.46
1	5Y	40	SER	N-CA	-16.09	1.25	1.46
1	6E	40	SER	N-CA	-16.09	1.25	1.46
1	6Y	40	SER	N-CA	-16.09	1.25	1.46
1	7I	40	SER	N-CA	-16.09	1.25	1.46
1	7U	40	SER	N-CA	-16.09	1.25	1.46
1	1A	40	SER	N-CA	-16.09	1.25	1.46
1	1I	40	SER	N-CA	-16.09	1.25	1.46
1	2E	40	SER	N-CA	-16.09	1.25	1.46
1	26	40	SER	N-CA	-16.09	1.25	1.46
1	3E	40	SER	N-CA	-16.09	1.25	1.46
1	4A	40	SER	N-CA	-16.09	1.25	1.46
1	4M	40	SER	N-CA	-16.09	1.25	1.46
1	4U	40	SER	N-CA	-16.09	1.25	1.46
1	5Q	40	SER	N-CA	-16.09	1.25	1.46
1	6I	40	SER	N-CA	-16.09	1.25	1.46
1	6Q	40	SER	N-CA	-16.09	1.25	1.46
1	7M	40	SER	N-CA	-16.09	1.25	1.46
1	1M	172	PHE	CB-CG	-16.09	1.13	1.50
1	1Q	172	PHE	CB-CG	-16.09	1.13	1.50
1	1U	172	PHE	CB-CG	-16.09	1.13	1.50
1	1Y	172	PHE	CB-CG	-16.09	1.13	1.50
1	2I	172	PHE	CB-CG	-16.09	1.13	1.50
1	2Q	172	PHE	CB-CG	-16.09	1.13	1.50
1	2U	172	PHE	CB-CG	-16.09	1.13	1.50
1	2Y	172	PHE	CB-CG	-16.09	1.13	1.50
1	3A	172	PHE	CB-CG	-16.09	1.13	1.50
1	3I	172	PHE	CB-CG	-16.09	1.13	1.50
1	32	172	PHE	CB-CG	-16.09	1.13	1.50
1	4E	172	PHE	CB-CG	-16.09	1.13	1.50
1	4Y	172	PHE	CB-CG	-16.09	1.13	1.50
1	42	172	PHE	CB-CG	-16.09	1.13	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	46	172	PHE	CB-CG	-16.09	1.13	1.50
1	5A	172	PHE	CB-CG	-16.09	1.13	1.50
1	5U	172	PHE	CB-CG	-16.09	1.13	1.50
1	52	172	PHE	CB-CG	-16.09	1.13	1.50
1	56	172	PHE	CB-CG	-16.09	1.13	1.50
1	6A	172	PHE	CB-CG	-16.09	1.13	1.50
1	6M	172	PHE	CB-CG	-16.09	1.13	1.50
1	6U	172	PHE	CB-CG	-16.09	1.13	1.50
1	7E	172	PHE	CB-CG	-16.09	1.13	1.50
1	7Q	172	PHE	CB-CG	-16.09	1.13	1.50
2	1B	77	THR	CA-CB	-16.08	1.29	1.53
2	1J	77	THR	CA-CB	-16.08	1.29	1.53
2	13	77	THR	CA-CB	-16.08	1.29	1.53
2	17	77	THR	CA-CB	-16.08	1.29	1.53
2	2B	77	THR	CA-CB	-16.08	1.29	1.53
2	2F	77	THR	CA-CB	-16.08	1.29	1.53
2	27	77	THR	CA-CB	-16.08	1.29	1.53
2	3F	77	THR	CA-CB	-16.08	1.29	1.53
2	3R	77	THR	CA-CB	-16.08	1.29	1.53
2	3V	77	THR	CA-CB	-16.08	1.29	1.53
2	3Z	77	THR	CA-CB	-16.08	1.29	1.53
2	4B	77	THR	CA-CB	-16.08	1.29	1.53
2	4N	77	THR	CA-CB	-16.08	1.29	1.53
2	4V	77	THR	CA-CB	-16.08	1.29	1.53
2	5F	77	THR	CA-CB	-16.08	1.29	1.53
2	5J	77	THR	CA-CB	-16.08	1.29	1.53
2	5N	77	THR	CA-CB	-16.08	1.29	1.53
2	5R	77	THR	CA-CB	-16.08	1.29	1.53
2	6J	77	THR	CA-CB	-16.08	1.29	1.53
2	6R	77	THR	CA-CB	-16.08	1.29	1.53
2	63	77	THR	CA-CB	-16.08	1.29	1.53
2	67	77	THR	CA-CB	-16.08	1.29	1.53
2	7B	77	THR	CA-CB	-16.08	1.29	1.53
2	7N	77	THR	CA-CB	-16.08	1.29	1.53
1	1E	64	TYR	C-N	16.08	1.56	1.33
1	2M	64	TYR	C-N	16.08	1.56	1.33
1	22	64	TYR	C-N	16.08	1.56	1.33
1	3M	64	TYR	C-N	16.08	1.56	1.33
1	36	64	TYR	C-N	16.08	1.56	1.33
1	4I	64	TYR	C-N	16.08	1.56	1.33
1	4Q	64	TYR	C-N	16.08	1.56	1.33
1	5Y	64	TYR	C-N	16.08	1.56	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	64	TYR	C-N	16.08	1.56	1.33
1	6Y	64	TYR	C-N	16.08	1.56	1.33
1	7I	64	TYR	C-N	16.08	1.56	1.33
1	7U	64	TYR	C-N	16.08	1.56	1.33
1	12	169	ASP	CA-CB	-16.08	1.31	1.53
1	16	169	ASP	CA-CB	-16.08	1.31	1.53
1	2A	169	ASP	CA-CB	-16.08	1.31	1.53
1	3Q	169	ASP	CA-CB	-16.08	1.31	1.53
1	3U	169	ASP	CA-CB	-16.08	1.31	1.53
1	3Y	169	ASP	CA-CB	-16.08	1.31	1.53
1	5E	169	ASP	CA-CB	-16.08	1.31	1.53
1	5I	169	ASP	CA-CB	-16.08	1.31	1.53
1	5M	169	ASP	CA-CB	-16.08	1.31	1.53
1	62	169	ASP	CA-CB	-16.08	1.31	1.53
1	66	169	ASP	CA-CB	-16.08	1.31	1.53
1	7A	169	ASP	CA-CB	-16.08	1.31	1.53
2	13	35	PHE	CB-CG	16.07	1.87	1.50
2	17	35	PHE	CB-CG	16.07	1.87	1.50
2	2B	35	PHE	CB-CG	16.07	1.87	1.50
2	3R	35	PHE	CB-CG	16.07	1.87	1.50
2	3V	35	PHE	CB-CG	16.07	1.87	1.50
2	3Z	35	PHE	CB-CG	16.07	1.87	1.50
2	5F	35	PHE	CB-CG	16.07	1.87	1.50
2	5J	35	PHE	CB-CG	16.07	1.87	1.50
2	5N	35	PHE	CB-CG	16.07	1.87	1.50
2	63	35	PHE	CB-CG	16.07	1.87	1.50
2	67	35	PHE	CB-CG	16.07	1.87	1.50
2	7B	35	PHE	CB-CG	16.07	1.87	1.50
2	1F	35	PHE	CB-CG	16.07	1.87	1.50
2	2N	35	PHE	CB-CG	16.07	1.87	1.50
2	23	35	PHE	CB-CG	16.07	1.87	1.50
2	3N	35	PHE	CB-CG	16.07	1.87	1.50
2	37	35	PHE	CB-CG	16.07	1.87	1.50
2	4J	35	PHE	CB-CG	16.07	1.87	1.50
2	4R	35	PHE	CB-CG	16.07	1.87	1.50
2	5Z	35	PHE	CB-CG	16.07	1.87	1.50
2	6F	35	PHE	CB-CG	16.07	1.87	1.50
2	6Z	35	PHE	CB-CG	16.07	1.87	1.50
2	7J	35	PHE	CB-CG	16.07	1.87	1.50
2	7V	35	PHE	CB-CG	16.07	1.87	1.50
1	12	40	SER	N-CA	-16.06	1.25	1.46
1	16	40	SER	N-CA	-16.06	1.25	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	40	SER	N-CA	-16.06	1.25	1.46
1	3Q	40	SER	N-CA	-16.06	1.25	1.46
1	3U	40	SER	N-CA	-16.06	1.25	1.46
1	3Y	40	SER	N-CA	-16.06	1.25	1.46
1	5E	40	SER	N-CA	-16.06	1.25	1.46
1	5I	40	SER	N-CA	-16.06	1.25	1.46
1	5M	40	SER	N-CA	-16.06	1.25	1.46
1	62	40	SER	N-CA	-16.06	1.25	1.46
1	66	40	SER	N-CA	-16.06	1.25	1.46
1	7A	40	SER	N-CA	-16.06	1.25	1.46
1	1A	64	TYR	C-N	16.06	1.56	1.33
1	1I	64	TYR	C-N	16.06	1.56	1.33
1	1M	64	TYR	C-N	16.06	1.56	1.33
1	1Q	169	ASP	CA-CB	-16.06	1.31	1.53
1	1U	169	ASP	CA-CB	-16.06	1.31	1.53
1	1Y	169	ASP	CA-CB	-16.06	1.31	1.53
1	2E	64	TYR	C-N	16.06	1.56	1.33
1	2I	64	TYR	C-N	16.06	1.56	1.33
1	2Q	169	ASP	CA-CB	-16.06	1.31	1.53
1	2U	169	ASP	CA-CB	-16.06	1.31	1.53
1	2Y	169	ASP	CA-CB	-16.06	1.31	1.53
1	26	64	TYR	C-N	16.06	1.56	1.33
1	3A	64	TYR	C-N	16.06	1.56	1.33
1	3E	64	TYR	C-N	16.06	1.56	1.33
1	3I	64	TYR	C-N	16.06	1.56	1.33
1	32	64	TYR	C-N	16.06	1.56	1.33
1	4A	64	TYR	C-N	16.06	1.56	1.33
1	4E	64	TYR	C-N	16.06	1.56	1.33
1	4M	64	TYR	C-N	16.06	1.56	1.33
1	4U	64	TYR	C-N	16.06	1.56	1.33
1	4Y	64	TYR	C-N	16.06	1.56	1.33
1	42	169	ASP	CA-CB	-16.06	1.31	1.53
1	46	169	ASP	CA-CB	-16.06	1.31	1.53
1	5A	169	ASP	CA-CB	-16.06	1.31	1.53
1	5Q	64	TYR	C-N	16.06	1.56	1.33
1	5U	64	TYR	C-N	16.06	1.56	1.33
1	52	169	ASP	CA-CB	-16.06	1.31	1.53
1	56	169	ASP	CA-CB	-16.06	1.31	1.53
1	6A	169	ASP	CA-CB	-16.06	1.31	1.53
1	6I	64	TYR	C-N	16.06	1.56	1.33
1	6M	64	TYR	C-N	16.06	1.56	1.33
1	6Q	64	TYR	C-N	16.06	1.56	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6U	64	TYR	C-N	16.06	1.56	1.33
1	7E	64	TYR	C-N	16.06	1.56	1.33
1	7M	64	TYR	C-N	16.06	1.56	1.33
1	7Q	64	TYR	C-N	16.06	1.56	1.33
2	1B	35	PHE	CB-CG	16.05	1.87	1.50
2	1J	35	PHE	CB-CG	16.05	1.87	1.50
2	2F	35	PHE	CB-CG	16.05	1.87	1.50
2	27	35	PHE	CB-CG	16.05	1.87	1.50
2	3F	35	PHE	CB-CG	16.05	1.87	1.50
2	4B	35	PHE	CB-CG	16.05	1.87	1.50
2	4N	35	PHE	CB-CG	16.05	1.87	1.50
2	4V	35	PHE	CB-CG	16.05	1.87	1.50
2	5R	35	PHE	CB-CG	16.05	1.87	1.50
2	6J	35	PHE	CB-CG	16.05	1.87	1.50
2	6R	35	PHE	CB-CG	16.05	1.87	1.50
2	7N	35	PHE	CB-CG	16.05	1.87	1.50
2	1R	77	THR	CA-CB	-16.05	1.29	1.53
2	1V	77	THR	CA-CB	-16.05	1.29	1.53
2	1Z	77	THR	CA-CB	-16.05	1.29	1.53
2	2R	77	THR	CA-CB	-16.05	1.29	1.53
2	2V	77	THR	CA-CB	-16.05	1.29	1.53
2	2Z	77	THR	CA-CB	-16.05	1.29	1.53
2	43	77	THR	CA-CB	-16.05	1.29	1.53
2	47	77	THR	CA-CB	-16.05	1.29	1.53
2	5B	77	THR	CA-CB	-16.05	1.29	1.53
2	53	77	THR	CA-CB	-16.05	1.29	1.53
2	57	77	THR	CA-CB	-16.05	1.29	1.53
2	6B	77	THR	CA-CB	-16.05	1.29	1.53
2	1R	35	PHE	CB-CG	16.05	1.87	1.50
2	1V	35	PHE	CB-CG	16.05	1.87	1.50
2	1Z	35	PHE	CB-CG	16.05	1.87	1.50
2	2R	35	PHE	CB-CG	16.05	1.87	1.50
2	2V	35	PHE	CB-CG	16.05	1.87	1.50
2	2Z	35	PHE	CB-CG	16.05	1.87	1.50
2	43	35	PHE	CB-CG	16.05	1.87	1.50
2	47	35	PHE	CB-CG	16.05	1.87	1.50
2	5B	35	PHE	CB-CG	16.05	1.87	1.50
2	53	35	PHE	CB-CG	16.05	1.87	1.50
2	57	35	PHE	CB-CG	16.05	1.87	1.50
2	6B	35	PHE	CB-CG	16.05	1.87	1.50
1	1Q	40	SER	N-CA	-16.04	1.25	1.46
1	1U	40	SER	N-CA	-16.04	1.25	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	40	SER	N-CA	-16.04	1.25	1.46
1	2Q	40	SER	N-CA	-16.04	1.25	1.46
1	2U	40	SER	N-CA	-16.04	1.25	1.46
1	2Y	40	SER	N-CA	-16.04	1.25	1.46
1	42	40	SER	N-CA	-16.04	1.25	1.46
1	46	40	SER	N-CA	-16.04	1.25	1.46
1	5A	40	SER	N-CA	-16.04	1.25	1.46
1	52	40	SER	N-CA	-16.04	1.25	1.46
1	56	40	SER	N-CA	-16.04	1.25	1.46
1	6A	40	SER	N-CA	-16.04	1.25	1.46
1	1Q	64	TYR	C-N	16.04	1.56	1.33
1	1U	64	TYR	C-N	16.04	1.56	1.33
1	1Y	64	TYR	C-N	16.04	1.56	1.33
1	2Q	64	TYR	C-N	16.04	1.56	1.33
1	2U	64	TYR	C-N	16.04	1.56	1.33
1	2Y	64	TYR	C-N	16.04	1.56	1.33
1	42	64	TYR	C-N	16.04	1.56	1.33
1	46	64	TYR	C-N	16.04	1.56	1.33
1	5A	64	TYR	C-N	16.04	1.56	1.33
1	52	64	TYR	C-N	16.04	1.56	1.33
1	56	64	TYR	C-N	16.04	1.56	1.33
1	6A	64	TYR	C-N	16.04	1.56	1.33
2	1N	35	PHE	CB-CG	16.04	1.87	1.50
2	2J	35	PHE	CB-CG	16.04	1.87	1.50
2	3B	35	PHE	CB-CG	16.04	1.87	1.50
2	3J	35	PHE	CB-CG	16.04	1.87	1.50
2	33	35	PHE	CB-CG	16.04	1.87	1.50
2	4F	35	PHE	CB-CG	16.04	1.87	1.50
2	4Z	35	PHE	CB-CG	16.04	1.87	1.50
2	5V	35	PHE	CB-CG	16.04	1.87	1.50
2	6N	35	PHE	CB-CG	16.04	1.87	1.50
2	6V	35	PHE	CB-CG	16.04	1.87	1.50
2	7F	35	PHE	CB-CG	16.04	1.87	1.50
2	7R	35	PHE	CB-CG	16.04	1.87	1.50
2	13	10	GLN	CD-NE2	-16.03	0.99	1.33
2	17	10	GLN	CD-NE2	-16.03	0.99	1.33
2	2B	10	GLN	CD-NE2	-16.03	0.99	1.33
2	3R	10	GLN	CD-NE2	-16.03	0.99	1.33
2	3V	10	GLN	CD-NE2	-16.03	0.99	1.33
2	3Z	10	GLN	CD-NE2	-16.03	0.99	1.33
2	5F	10	GLN	CD-NE2	-16.03	0.99	1.33
2	5J	10	GLN	CD-NE2	-16.03	0.99	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	10	GLN	CD-NE2	-16.03	0.99	1.33
2	63	10	GLN	CD-NE2	-16.03	0.99	1.33
2	67	10	GLN	CD-NE2	-16.03	0.99	1.33
2	7B	10	GLN	CD-NE2	-16.03	0.99	1.33
2	1F	77	THR	CA-CB	-16.02	1.29	1.53
2	2N	77	THR	CA-CB	-16.02	1.29	1.53
2	23	77	THR	CA-CB	-16.02	1.29	1.53
2	3N	77	THR	CA-CB	-16.02	1.29	1.53
2	37	77	THR	CA-CB	-16.02	1.29	1.53
2	4J	77	THR	CA-CB	-16.02	1.29	1.53
2	4R	77	THR	CA-CB	-16.02	1.29	1.53
2	5Z	77	THR	CA-CB	-16.02	1.29	1.53
2	6F	77	THR	CA-CB	-16.02	1.29	1.53
2	6Z	77	THR	CA-CB	-16.02	1.29	1.53
2	7J	77	THR	CA-CB	-16.02	1.29	1.53
2	7V	77	THR	CA-CB	-16.02	1.29	1.53
2	1F	10	GLN	CD-NE2	-16.01	0.99	1.33
2	2N	10	GLN	CD-NE2	-16.01	0.99	1.33
2	23	10	GLN	CD-NE2	-16.01	0.99	1.33
2	3N	10	GLN	CD-NE2	-16.01	0.99	1.33
2	37	10	GLN	CD-NE2	-16.01	0.99	1.33
2	4J	10	GLN	CD-NE2	-16.01	0.99	1.33
2	4R	10	GLN	CD-NE2	-16.01	0.99	1.33
2	5Z	10	GLN	CD-NE2	-16.01	0.99	1.33
2	6F	10	GLN	CD-NE2	-16.01	0.99	1.33
2	6Z	10	GLN	CD-NE2	-16.01	0.99	1.33
2	7J	10	GLN	CD-NE2	-16.01	0.99	1.33
2	7V	10	GLN	CD-NE2	-16.01	0.99	1.33
2	1B	10	GLN	CD-NE2	-16.01	0.99	1.33
2	1J	10	GLN	CD-NE2	-16.01	0.99	1.33
2	2F	10	GLN	CD-NE2	-16.01	0.99	1.33
2	27	10	GLN	CD-NE2	-16.01	0.99	1.33
2	3F	10	GLN	CD-NE2	-16.01	0.99	1.33
2	4B	10	GLN	CD-NE2	-16.01	0.99	1.33
2	4N	10	GLN	CD-NE2	-16.01	0.99	1.33
2	4V	10	GLN	CD-NE2	-16.01	0.99	1.33
2	5R	10	GLN	CD-NE2	-16.01	0.99	1.33
2	6J	10	GLN	CD-NE2	-16.01	0.99	1.33
2	6R	10	GLN	CD-NE2	-16.01	0.99	1.33
2	7N	10	GLN	CD-NE2	-16.01	0.99	1.33
2	1N	10	GLN	CD-NE2	-16.00	0.99	1.33
2	2J	10	GLN	CD-NE2	-16.00	0.99	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	10	GLN	CD-NE2	-16.00	0.99	1.33
2	3J	10	GLN	CD-NE2	-16.00	0.99	1.33
2	33	10	GLN	CD-NE2	-16.00	0.99	1.33
2	4F	10	GLN	CD-NE2	-16.00	0.99	1.33
2	4Z	10	GLN	CD-NE2	-16.00	0.99	1.33
2	5V	10	GLN	CD-NE2	-16.00	0.99	1.33
2	6N	10	GLN	CD-NE2	-16.00	0.99	1.33
2	6V	10	GLN	CD-NE2	-16.00	0.99	1.33
2	7F	10	GLN	CD-NE2	-16.00	0.99	1.33
2	7R	10	GLN	CD-NE2	-16.00	0.99	1.33
2	1R	10	GLN	CD-NE2	-16.00	0.99	1.33
2	1V	10	GLN	CD-NE2	-16.00	0.99	1.33
2	1Z	10	GLN	CD-NE2	-16.00	0.99	1.33
2	2R	10	GLN	CD-NE2	-16.00	0.99	1.33
2	2V	10	GLN	CD-NE2	-16.00	0.99	1.33
2	2Z	10	GLN	CD-NE2	-16.00	0.99	1.33
2	43	10	GLN	CD-NE2	-16.00	0.99	1.33
2	47	10	GLN	CD-NE2	-16.00	0.99	1.33
2	5B	10	GLN	CD-NE2	-16.00	0.99	1.33
2	53	10	GLN	CD-NE2	-16.00	0.99	1.33
2	57	10	GLN	CD-NE2	-16.00	0.99	1.33
2	6B	10	GLN	CD-NE2	-16.00	0.99	1.33
2	1B	35	PHE	C-N	15.99	1.57	1.33
2	1J	35	PHE	C-N	15.99	1.57	1.33
2	1N	35	PHE	C-N	15.99	1.57	1.33
2	2F	35	PHE	C-N	15.99	1.57	1.33
2	2J	35	PHE	C-N	15.99	1.57	1.33
2	27	35	PHE	C-N	15.99	1.57	1.33
2	3B	35	PHE	C-N	15.99	1.57	1.33
2	3F	35	PHE	C-N	15.99	1.57	1.33
2	3J	35	PHE	C-N	15.99	1.57	1.33
2	33	35	PHE	C-N	15.99	1.57	1.33
2	4B	35	PHE	C-N	15.99	1.57	1.33
2	4F	35	PHE	C-N	15.99	1.57	1.33
2	4N	35	PHE	C-N	15.99	1.57	1.33
2	4V	35	PHE	C-N	15.99	1.57	1.33
2	4Z	35	PHE	C-N	15.99	1.57	1.33
2	5R	35	PHE	C-N	15.99	1.57	1.33
2	5V	35	PHE	C-N	15.99	1.57	1.33
2	6J	35	PHE	C-N	15.99	1.57	1.33
2	6N	35	PHE	C-N	15.99	1.57	1.33
2	6R	35	PHE	C-N	15.99	1.57	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6V	35	PHE	C-N	15.99	1.57	1.33
2	7F	35	PHE	C-N	15.99	1.57	1.33
2	7N	35	PHE	C-N	15.99	1.57	1.33
2	7R	35	PHE	C-N	15.99	1.57	1.33
2	1N	56	SER	CA-C	-15.99	1.16	1.52
2	2J	56	SER	CA-C	-15.99	1.16	1.52
2	3B	56	SER	CA-C	-15.99	1.16	1.52
2	3J	56	SER	CA-C	-15.99	1.16	1.52
2	33	56	SER	CA-C	-15.99	1.16	1.52
2	4F	56	SER	CA-C	-15.99	1.16	1.52
2	4Z	56	SER	CA-C	-15.99	1.16	1.52
2	5V	56	SER	CA-C	-15.99	1.16	1.52
2	6N	56	SER	CA-C	-15.99	1.16	1.52
2	6V	56	SER	CA-C	-15.99	1.16	1.52
2	7F	56	SER	CA-C	-15.99	1.16	1.52
2	7R	56	SER	CA-C	-15.99	1.16	1.52
2	1B	56	SER	CA-C	-15.98	1.16	1.52
2	1F	56	SER	CA-C	-15.98	1.16	1.52
2	1J	56	SER	CA-C	-15.98	1.16	1.52
2	2F	56	SER	CA-C	-15.98	1.16	1.52
2	2N	56	SER	CA-C	-15.98	1.16	1.52
2	23	56	SER	CA-C	-15.98	1.16	1.52
2	27	56	SER	CA-C	-15.98	1.16	1.52
2	3F	56	SER	CA-C	-15.98	1.16	1.52
2	3N	56	SER	CA-C	-15.98	1.16	1.52
2	37	56	SER	CA-C	-15.98	1.16	1.52
2	4B	56	SER	CA-C	-15.98	1.16	1.52
2	4J	56	SER	CA-C	-15.98	1.16	1.52
2	4N	56	SER	CA-C	-15.98	1.16	1.52
2	4R	56	SER	CA-C	-15.98	1.16	1.52
2	4V	56	SER	CA-C	-15.98	1.16	1.52
2	5R	56	SER	CA-C	-15.98	1.16	1.52
2	5Z	56	SER	CA-C	-15.98	1.16	1.52
2	6F	56	SER	CA-C	-15.98	1.16	1.52
2	6J	56	SER	CA-C	-15.98	1.16	1.52
2	6R	56	SER	CA-C	-15.98	1.16	1.52
2	6Z	56	SER	CA-C	-15.98	1.16	1.52
2	7J	56	SER	CA-C	-15.98	1.16	1.52
2	7N	56	SER	CA-C	-15.98	1.16	1.52
2	7V	56	SER	CA-C	-15.98	1.16	1.52
2	3R	56	SER	CA-C	-15.97	1.16	1.52
2	5J	56	SER	CA-C	-15.97	1.16	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	7B	56	SER	CA-C	-15.97	1.16	1.52
2	1F	35	PHE	C-N	15.97	1.57	1.33
2	13	35	PHE	C-N	15.97	1.57	1.33
2	13	56	SER	CA-C	-15.97	1.16	1.52
2	17	35	PHE	C-N	15.97	1.57	1.33
2	17	56	SER	CA-C	-15.97	1.16	1.52
2	2B	35	PHE	C-N	15.97	1.57	1.33
2	2B	56	SER	CA-C	-15.97	1.16	1.52
2	3V	56	SER	CA-C	-15.97	1.16	1.52
2	2N	35	PHE	C-N	15.97	1.57	1.33
2	23	35	PHE	C-N	15.97	1.57	1.33
2	3N	35	PHE	C-N	15.97	1.57	1.33
2	3R	35	PHE	C-N	15.97	1.57	1.33
2	3V	35	PHE	C-N	15.97	1.57	1.33
2	3Z	35	PHE	C-N	15.97	1.57	1.33
2	3Z	56	SER	CA-C	-15.97	1.16	1.52
2	37	35	PHE	C-N	15.97	1.57	1.33
2	4J	35	PHE	C-N	15.97	1.57	1.33
2	4R	35	PHE	C-N	15.97	1.57	1.33
2	5F	35	PHE	C-N	15.97	1.57	1.33
2	5F	56	SER	CA-C	-15.97	1.16	1.52
2	5J	35	PHE	C-N	15.97	1.57	1.33
2	5N	35	PHE	C-N	15.97	1.57	1.33
2	5N	56	SER	CA-C	-15.97	1.16	1.52
2	63	56	SER	CA-C	-15.97	1.16	1.52
2	67	56	SER	CA-C	-15.97	1.16	1.52
2	5Z	35	PHE	C-N	15.97	1.57	1.33
2	6F	35	PHE	C-N	15.97	1.57	1.33
2	6Z	35	PHE	C-N	15.97	1.57	1.33
2	63	35	PHE	C-N	15.97	1.57	1.33
2	67	35	PHE	C-N	15.97	1.57	1.33
2	7B	35	PHE	C-N	15.97	1.57	1.33
2	7J	35	PHE	C-N	15.97	1.57	1.33
2	7V	35	PHE	C-N	15.97	1.57	1.33
2	1R	35	PHE	C-N	15.96	1.57	1.33
2	1V	35	PHE	C-N	15.96	1.57	1.33
2	1Z	35	PHE	C-N	15.96	1.57	1.33
2	2R	35	PHE	C-N	15.96	1.57	1.33
2	2V	35	PHE	C-N	15.96	1.57	1.33
2	2Z	35	PHE	C-N	15.96	1.57	1.33
2	43	35	PHE	C-N	15.96	1.57	1.33
2	47	35	PHE	C-N	15.96	1.57	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	35	PHE	C-N	15.96	1.57	1.33
2	53	35	PHE	C-N	15.96	1.57	1.33
2	57	35	PHE	C-N	15.96	1.57	1.33
2	6B	35	PHE	C-N	15.96	1.57	1.33
2	1R	56	SER	CA-C	-15.95	1.17	1.52
2	1V	56	SER	CA-C	-15.95	1.17	1.52
2	1Z	56	SER	CA-C	-15.95	1.17	1.52
2	2R	56	SER	CA-C	-15.95	1.17	1.52
2	2V	56	SER	CA-C	-15.95	1.17	1.52
2	2Z	56	SER	CA-C	-15.95	1.17	1.52
2	43	56	SER	CA-C	-15.95	1.17	1.52
2	47	56	SER	CA-C	-15.95	1.17	1.52
2	5B	56	SER	CA-C	-15.95	1.17	1.52
2	53	56	SER	CA-C	-15.95	1.17	1.52
2	57	56	SER	CA-C	-15.95	1.17	1.52
2	6B	56	SER	CA-C	-15.95	1.17	1.52
2	1F	15	VAL	CA-CB	-15.93	1.33	1.54
2	2N	15	VAL	CA-CB	-15.93	1.33	1.54
2	23	15	VAL	CA-CB	-15.93	1.33	1.54
2	3N	15	VAL	CA-CB	-15.93	1.33	1.54
2	37	15	VAL	CA-CB	-15.93	1.33	1.54
2	4J	15	VAL	CA-CB	-15.93	1.33	1.54
2	4R	15	VAL	CA-CB	-15.93	1.33	1.54
2	5Z	15	VAL	CA-CB	-15.93	1.33	1.54
2	6F	15	VAL	CA-CB	-15.93	1.33	1.54
2	6Z	15	VAL	CA-CB	-15.93	1.33	1.54
2	7J	15	VAL	CA-CB	-15.93	1.33	1.54
2	7V	15	VAL	CA-CB	-15.93	1.33	1.54
2	1N	15	VAL	CA-CB	-15.93	1.33	1.54
2	2J	15	VAL	CA-CB	-15.93	1.33	1.54
2	3B	15	VAL	CA-CB	-15.93	1.33	1.54
2	3J	15	VAL	CA-CB	-15.93	1.33	1.54
2	33	15	VAL	CA-CB	-15.93	1.33	1.54
2	4F	15	VAL	CA-CB	-15.93	1.33	1.54
2	4Z	15	VAL	CA-CB	-15.93	1.33	1.54
2	5V	15	VAL	CA-CB	-15.93	1.33	1.54
2	6N	15	VAL	CA-CB	-15.93	1.33	1.54
2	6V	15	VAL	CA-CB	-15.93	1.33	1.54
2	7F	15	VAL	CA-CB	-15.93	1.33	1.54
2	7R	15	VAL	CA-CB	-15.93	1.33	1.54
2	1B	15	VAL	CA-CB	-15.92	1.33	1.54
2	1J	15	VAL	CA-CB	-15.92	1.33	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	15	VAL	CA-CB	-15.92	1.33	1.54
2	27	15	VAL	CA-CB	-15.92	1.33	1.54
2	3F	15	VAL	CA-CB	-15.92	1.33	1.54
2	4B	15	VAL	CA-CB	-15.92	1.33	1.54
2	4N	15	VAL	CA-CB	-15.92	1.33	1.54
2	4V	15	VAL	CA-CB	-15.92	1.33	1.54
2	5R	15	VAL	CA-CB	-15.92	1.33	1.54
2	6J	15	VAL	CA-CB	-15.92	1.33	1.54
2	6R	15	VAL	CA-CB	-15.92	1.33	1.54
2	7N	15	VAL	CA-CB	-15.92	1.33	1.54
1	1A	178	SER	CA-C	-15.91	1.33	1.52
1	1I	178	SER	CA-C	-15.91	1.33	1.52
1	2E	178	SER	CA-C	-15.91	1.33	1.52
1	26	178	SER	CA-C	-15.91	1.33	1.52
1	3E	178	SER	CA-C	-15.91	1.33	1.52
1	4A	178	SER	CA-C	-15.91	1.33	1.52
1	4M	178	SER	CA-C	-15.91	1.33	1.52
1	4U	178	SER	CA-C	-15.91	1.33	1.52
1	5Q	178	SER	CA-C	-15.91	1.33	1.52
1	6I	178	SER	CA-C	-15.91	1.33	1.52
1	6Q	178	SER	CA-C	-15.91	1.33	1.52
1	7M	178	SER	CA-C	-15.91	1.33	1.52
1	1M	178	SER	CA-C	-15.91	1.33	1.52
1	2I	178	SER	CA-C	-15.91	1.33	1.52
1	3A	178	SER	CA-C	-15.91	1.33	1.52
1	3I	178	SER	CA-C	-15.91	1.33	1.52
1	32	178	SER	CA-C	-15.91	1.33	1.52
1	4E	178	SER	CA-C	-15.91	1.33	1.52
1	4Y	178	SER	CA-C	-15.91	1.33	1.52
1	5U	178	SER	CA-C	-15.91	1.33	1.52
1	6M	178	SER	CA-C	-15.91	1.33	1.52
1	6U	178	SER	CA-C	-15.91	1.33	1.52
1	7E	178	SER	CA-C	-15.91	1.33	1.52
1	7Q	178	SER	CA-C	-15.91	1.33	1.52
2	13	15	VAL	CA-CB	-15.91	1.33	1.54
2	17	15	VAL	CA-CB	-15.91	1.33	1.54
2	2B	15	VAL	CA-CB	-15.91	1.33	1.54
2	3R	15	VAL	CA-CB	-15.91	1.33	1.54
2	3V	15	VAL	CA-CB	-15.91	1.33	1.54
2	3Z	15	VAL	CA-CB	-15.91	1.33	1.54
2	5F	15	VAL	CA-CB	-15.91	1.33	1.54
2	5J	15	VAL	CA-CB	-15.91	1.33	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	15	VAL	CA-CB	-15.91	1.33	1.54
2	63	15	VAL	CA-CB	-15.91	1.33	1.54
2	67	15	VAL	CA-CB	-15.91	1.33	1.54
2	7B	15	VAL	CA-CB	-15.91	1.33	1.54
1	12	178	SER	CA-C	-15.91	1.33	1.52
1	16	178	SER	CA-C	-15.91	1.33	1.52
1	2A	178	SER	CA-C	-15.91	1.33	1.52
1	3Q	178	SER	CA-C	-15.91	1.33	1.52
1	3U	178	SER	CA-C	-15.91	1.33	1.52
1	3Y	178	SER	CA-C	-15.91	1.33	1.52
1	5E	178	SER	CA-C	-15.91	1.33	1.52
1	5I	178	SER	CA-C	-15.91	1.33	1.52
1	5M	178	SER	CA-C	-15.91	1.33	1.52
1	62	178	SER	CA-C	-15.91	1.33	1.52
1	66	178	SER	CA-C	-15.91	1.33	1.52
1	7A	178	SER	CA-C	-15.91	1.33	1.52
2	1R	15	VAL	CA-CB	-15.90	1.33	1.54
2	1V	15	VAL	CA-CB	-15.90	1.33	1.54
2	1Z	15	VAL	CA-CB	-15.90	1.33	1.54
2	2R	15	VAL	CA-CB	-15.90	1.33	1.54
2	2V	15	VAL	CA-CB	-15.90	1.33	1.54
2	2Z	15	VAL	CA-CB	-15.90	1.33	1.54
2	43	15	VAL	CA-CB	-15.90	1.33	1.54
2	47	15	VAL	CA-CB	-15.90	1.33	1.54
2	5B	15	VAL	CA-CB	-15.90	1.33	1.54
2	53	15	VAL	CA-CB	-15.90	1.33	1.54
2	57	15	VAL	CA-CB	-15.90	1.33	1.54
2	6B	15	VAL	CA-CB	-15.90	1.33	1.54
1	1Q	178	SER	CA-C	-15.89	1.34	1.52
1	1U	178	SER	CA-C	-15.89	1.34	1.52
1	1Y	178	SER	CA-C	-15.89	1.34	1.52
1	2Q	178	SER	CA-C	-15.89	1.34	1.52
1	2U	178	SER	CA-C	-15.89	1.34	1.52
1	2Y	178	SER	CA-C	-15.89	1.34	1.52
1	42	178	SER	CA-C	-15.89	1.34	1.52
1	46	178	SER	CA-C	-15.89	1.34	1.52
1	5A	178	SER	CA-C	-15.89	1.34	1.52
1	52	178	SER	CA-C	-15.89	1.34	1.52
1	56	178	SER	CA-C	-15.89	1.34	1.52
1	6A	178	SER	CA-C	-15.89	1.34	1.52
2	1F	6	LYS	N-CA	15.89	1.66	1.46
2	2N	6	LYS	N-CA	15.89	1.66	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	6	LYS	N-CA	15.89	1.66	1.46
2	3N	6	LYS	N-CA	15.89	1.66	1.46
2	37	6	LYS	N-CA	15.89	1.66	1.46
2	4J	6	LYS	N-CA	15.89	1.66	1.46
2	4R	6	LYS	N-CA	15.89	1.66	1.46
2	5Z	6	LYS	N-CA	15.89	1.66	1.46
2	6F	6	LYS	N-CA	15.89	1.66	1.46
2	6Z	6	LYS	N-CA	15.89	1.66	1.46
2	7J	6	LYS	N-CA	15.89	1.66	1.46
2	7V	6	LYS	N-CA	15.89	1.66	1.46
1	1E	178	SER	CA-C	-15.89	1.34	1.52
1	2M	178	SER	CA-C	-15.89	1.34	1.52
1	22	178	SER	CA-C	-15.89	1.34	1.52
1	3M	178	SER	CA-C	-15.89	1.34	1.52
1	36	178	SER	CA-C	-15.89	1.34	1.52
1	4I	178	SER	CA-C	-15.89	1.34	1.52
1	4Q	178	SER	CA-C	-15.89	1.34	1.52
1	5Y	178	SER	CA-C	-15.89	1.34	1.52
1	6E	178	SER	CA-C	-15.89	1.34	1.52
1	6Y	178	SER	CA-C	-15.89	1.34	1.52
1	7I	178	SER	CA-C	-15.89	1.34	1.52
1	7U	178	SER	CA-C	-15.89	1.34	1.52
2	1R	6	LYS	N-CA	15.88	1.66	1.46
2	1V	6	LYS	N-CA	15.88	1.66	1.46
2	1Z	6	LYS	N-CA	15.88	1.66	1.46
2	2R	6	LYS	N-CA	15.88	1.66	1.46
2	2V	6	LYS	N-CA	15.88	1.66	1.46
2	2Z	6	LYS	N-CA	15.88	1.66	1.46
2	43	6	LYS	N-CA	15.88	1.66	1.46
2	47	6	LYS	N-CA	15.88	1.66	1.46
2	5B	6	LYS	N-CA	15.88	1.66	1.46
2	53	6	LYS	N-CA	15.88	1.66	1.46
2	57	6	LYS	N-CA	15.88	1.66	1.46
2	6B	6	LYS	N-CA	15.88	1.66	1.46
2	1F	68	PRO	C-O	-15.86	1.03	1.24
2	2N	68	PRO	C-O	-15.86	1.03	1.24
2	23	68	PRO	C-O	-15.86	1.03	1.24
2	3N	68	PRO	C-O	-15.86	1.03	1.24
2	37	68	PRO	C-O	-15.86	1.03	1.24
2	4J	68	PRO	C-O	-15.86	1.03	1.24
2	4R	68	PRO	C-O	-15.86	1.03	1.24
2	5Z	68	PRO	C-O	-15.86	1.03	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	68	PRO	C-O	-15.86	1.03	1.24
2	6Z	68	PRO	C-O	-15.86	1.03	1.24
2	7J	68	PRO	C-O	-15.86	1.03	1.24
2	7V	68	PRO	C-O	-15.86	1.03	1.24
2	1B	68	PRO	C-O	-15.86	1.03	1.24
2	1J	68	PRO	C-O	-15.86	1.03	1.24
2	2F	68	PRO	C-O	-15.86	1.03	1.24
2	27	68	PRO	C-O	-15.86	1.03	1.24
2	3F	68	PRO	C-O	-15.86	1.03	1.24
2	4B	68	PRO	C-O	-15.86	1.03	1.24
2	4N	68	PRO	C-O	-15.86	1.03	1.24
2	4V	68	PRO	C-O	-15.86	1.03	1.24
2	5R	68	PRO	C-O	-15.86	1.03	1.24
2	6J	68	PRO	C-O	-15.86	1.03	1.24
2	6R	68	PRO	C-O	-15.86	1.03	1.24
2	7N	68	PRO	C-O	-15.86	1.03	1.24
2	1N	6	LYS	N-CA	15.85	1.66	1.46
2	2J	6	LYS	N-CA	15.85	1.66	1.46
2	3B	6	LYS	N-CA	15.85	1.66	1.46
2	3J	6	LYS	N-CA	15.85	1.66	1.46
2	33	6	LYS	N-CA	15.85	1.66	1.46
2	4F	6	LYS	N-CA	15.85	1.66	1.46
2	4Z	6	LYS	N-CA	15.85	1.66	1.46
2	5V	6	LYS	N-CA	15.85	1.66	1.46
2	6N	6	LYS	N-CA	15.85	1.66	1.46
2	6V	6	LYS	N-CA	15.85	1.66	1.46
2	7F	6	LYS	N-CA	15.85	1.66	1.46
2	7R	6	LYS	N-CA	15.85	1.66	1.46
2	13	6	LYS	N-CA	15.85	1.66	1.46
2	17	6	LYS	N-CA	15.85	1.66	1.46
2	2B	6	LYS	N-CA	15.85	1.66	1.46
2	3R	6	LYS	N-CA	15.85	1.66	1.46
2	3V	6	LYS	N-CA	15.85	1.66	1.46
2	3Z	6	LYS	N-CA	15.85	1.66	1.46
2	5F	6	LYS	N-CA	15.85	1.66	1.46
2	5J	6	LYS	N-CA	15.85	1.66	1.46
2	5N	6	LYS	N-CA	15.85	1.66	1.46
2	63	6	LYS	N-CA	15.85	1.66	1.46
2	67	6	LYS	N-CA	15.85	1.66	1.46
2	7B	6	LYS	N-CA	15.85	1.66	1.46
2	1B	6	LYS	N-CA	15.84	1.66	1.46
2	1J	6	LYS	N-CA	15.84	1.66	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Q	30	PHE	CE2-CZ	15.84	1.86	1.38
1	1U	30	PHE	CE2-CZ	15.84	1.86	1.38
1	1Y	30	PHE	CE2-CZ	15.84	1.86	1.38
2	2F	6	LYS	N-CA	15.84	1.66	1.46
1	2Q	30	PHE	CE2-CZ	15.84	1.86	1.38
1	2U	30	PHE	CE2-CZ	15.84	1.86	1.38
1	2Y	30	PHE	CE2-CZ	15.84	1.86	1.38
2	27	6	LYS	N-CA	15.84	1.66	1.46
2	3F	6	LYS	N-CA	15.84	1.66	1.46
2	4B	6	LYS	N-CA	15.84	1.66	1.46
2	4N	6	LYS	N-CA	15.84	1.66	1.46
2	4V	6	LYS	N-CA	15.84	1.66	1.46
1	42	30	PHE	CE2-CZ	15.84	1.86	1.38
1	46	30	PHE	CE2-CZ	15.84	1.86	1.38
1	5A	30	PHE	CE2-CZ	15.84	1.86	1.38
2	5R	6	LYS	N-CA	15.84	1.66	1.46
1	52	30	PHE	CE2-CZ	15.84	1.86	1.38
1	56	30	PHE	CE2-CZ	15.84	1.86	1.38
1	6A	30	PHE	CE2-CZ	15.84	1.86	1.38
2	6J	6	LYS	N-CA	15.84	1.66	1.46
2	6R	6	LYS	N-CA	15.84	1.66	1.46
2	7N	6	LYS	N-CA	15.84	1.66	1.46
2	13	68	PRO	C-O	-15.84	1.03	1.24
2	17	68	PRO	C-O	-15.84	1.03	1.24
2	2B	68	PRO	C-O	-15.84	1.03	1.24
2	3R	68	PRO	C-O	-15.84	1.03	1.24
2	3V	68	PRO	C-O	-15.84	1.03	1.24
2	3Z	68	PRO	C-O	-15.84	1.03	1.24
2	5F	68	PRO	C-O	-15.84	1.03	1.24
2	5J	68	PRO	C-O	-15.84	1.03	1.24
2	5N	68	PRO	C-O	-15.84	1.03	1.24
2	63	68	PRO	C-O	-15.84	1.03	1.24
2	67	68	PRO	C-O	-15.84	1.03	1.24
2	7B	68	PRO	C-O	-15.84	1.03	1.24
1	1M	30	PHE	CE2-CZ	15.83	1.86	1.38
1	2I	30	PHE	CE2-CZ	15.83	1.86	1.38
1	3A	30	PHE	CE2-CZ	15.83	1.86	1.38
1	3I	30	PHE	CE2-CZ	15.83	1.86	1.38
1	32	30	PHE	CE2-CZ	15.83	1.86	1.38
1	4E	30	PHE	CE2-CZ	15.83	1.86	1.38
1	4Y	30	PHE	CE2-CZ	15.83	1.86	1.38
1	5U	30	PHE	CE2-CZ	15.83	1.86	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	30	PHE	CE2-CZ	15.83	1.86	1.38
1	6U	30	PHE	CE2-CZ	15.83	1.86	1.38
1	7E	30	PHE	CE2-CZ	15.83	1.86	1.38
1	7Q	30	PHE	CE2-CZ	15.83	1.86	1.38
1	1A	30	PHE	CE2-CZ	15.82	1.86	1.38
1	1I	30	PHE	CE2-CZ	15.82	1.86	1.38
1	2E	30	PHE	CE2-CZ	15.82	1.86	1.38
1	26	30	PHE	CE2-CZ	15.82	1.86	1.38
1	3E	30	PHE	CE2-CZ	15.82	1.86	1.38
1	4A	30	PHE	CE2-CZ	15.82	1.86	1.38
1	4M	30	PHE	CE2-CZ	15.82	1.86	1.38
1	4U	30	PHE	CE2-CZ	15.82	1.86	1.38
1	5Q	30	PHE	CE2-CZ	15.82	1.86	1.38
1	6I	30	PHE	CE2-CZ	15.82	1.86	1.38
1	6Q	30	PHE	CE2-CZ	15.82	1.86	1.38
1	7M	30	PHE	CE2-CZ	15.82	1.86	1.38
1	1E	30	PHE	CE2-CZ	15.82	1.86	1.38
1	2M	30	PHE	CE2-CZ	15.82	1.86	1.38
1	22	30	PHE	CE2-CZ	15.82	1.86	1.38
1	3M	30	PHE	CE2-CZ	15.82	1.86	1.38
1	36	30	PHE	CE2-CZ	15.82	1.86	1.38
1	4I	30	PHE	CE2-CZ	15.82	1.86	1.38
1	4Q	30	PHE	CE2-CZ	15.82	1.86	1.38
1	5Y	30	PHE	CE2-CZ	15.82	1.86	1.38
1	6E	30	PHE	CE2-CZ	15.82	1.86	1.38
1	6Y	30	PHE	CE2-CZ	15.82	1.86	1.38
1	7I	30	PHE	CE2-CZ	15.82	1.86	1.38
1	7U	30	PHE	CE2-CZ	15.82	1.86	1.38
1	12	30	PHE	CE2-CZ	15.82	1.86	1.38
1	16	30	PHE	CE2-CZ	15.82	1.86	1.38
1	2A	30	PHE	CE2-CZ	15.82	1.86	1.38
1	3Q	30	PHE	CE2-CZ	15.82	1.86	1.38
1	3U	30	PHE	CE2-CZ	15.82	1.86	1.38
1	3Y	30	PHE	CE2-CZ	15.82	1.86	1.38
1	5E	30	PHE	CE2-CZ	15.82	1.86	1.38
1	5I	30	PHE	CE2-CZ	15.82	1.86	1.38
1	5M	30	PHE	CE2-CZ	15.82	1.86	1.38
1	62	30	PHE	CE2-CZ	15.82	1.86	1.38
1	66	30	PHE	CE2-CZ	15.82	1.86	1.38
1	7A	30	PHE	CE2-CZ	15.82	1.86	1.38
2	1B	227	TYR	CE2-CZ	15.81	1.76	1.38
2	1J	227	TYR	CE2-CZ	15.81	1.76	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	227	TYR	CE2-CZ	15.81	1.76	1.38
2	27	227	TYR	CE2-CZ	15.81	1.76	1.38
2	3F	227	TYR	CE2-CZ	15.81	1.76	1.38
2	4B	227	TYR	CE2-CZ	15.81	1.76	1.38
2	4N	227	TYR	CE2-CZ	15.81	1.76	1.38
2	4V	227	TYR	CE2-CZ	15.81	1.76	1.38
2	5R	227	TYR	CE2-CZ	15.81	1.76	1.38
2	6J	227	TYR	CE2-CZ	15.81	1.76	1.38
2	6R	227	TYR	CE2-CZ	15.81	1.76	1.38
2	7N	227	TYR	CE2-CZ	15.81	1.76	1.38
2	1R	227	TYR	CE2-CZ	15.81	1.76	1.38
2	1V	227	TYR	CE2-CZ	15.81	1.76	1.38
2	1Z	227	TYR	CE2-CZ	15.81	1.76	1.38
2	2R	227	TYR	CE2-CZ	15.81	1.76	1.38
2	2V	227	TYR	CE2-CZ	15.81	1.76	1.38
2	2Z	227	TYR	CE2-CZ	15.81	1.76	1.38
2	43	227	TYR	CE2-CZ	15.81	1.76	1.38
2	47	227	TYR	CE2-CZ	15.81	1.76	1.38
2	5B	227	TYR	CE2-CZ	15.81	1.76	1.38
2	53	227	TYR	CE2-CZ	15.81	1.76	1.38
2	57	227	TYR	CE2-CZ	15.81	1.76	1.38
2	6B	227	TYR	CE2-CZ	15.81	1.76	1.38
2	1N	68	PRO	C-O	-15.81	1.03	1.24
2	1R	68	PRO	C-O	-15.81	1.03	1.24
2	1V	68	PRO	C-O	-15.81	1.03	1.24
2	1Z	68	PRO	C-O	-15.81	1.03	1.24
2	2J	68	PRO	C-O	-15.81	1.03	1.24
2	2R	68	PRO	C-O	-15.81	1.03	1.24
2	2V	68	PRO	C-O	-15.81	1.03	1.24
2	2Z	68	PRO	C-O	-15.81	1.03	1.24
2	3B	68	PRO	C-O	-15.81	1.03	1.24
2	3J	68	PRO	C-O	-15.81	1.03	1.24
2	33	68	PRO	C-O	-15.81	1.03	1.24
2	4F	68	PRO	C-O	-15.81	1.03	1.24
2	4Z	68	PRO	C-O	-15.81	1.03	1.24
2	43	68	PRO	C-O	-15.81	1.03	1.24
2	47	68	PRO	C-O	-15.81	1.03	1.24
2	5B	68	PRO	C-O	-15.81	1.03	1.24
2	5V	68	PRO	C-O	-15.81	1.03	1.24
2	53	68	PRO	C-O	-15.81	1.03	1.24
2	57	68	PRO	C-O	-15.81	1.03	1.24
2	6B	68	PRO	C-O	-15.81	1.03	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	68	PRO	C-O	-15.81	1.03	1.24
2	6V	68	PRO	C-O	-15.81	1.03	1.24
2	7F	68	PRO	C-O	-15.81	1.03	1.24
2	7R	68	PRO	C-O	-15.81	1.03	1.24
2	1F	227	TYR	CE2-CZ	15.81	1.76	1.38
2	2N	227	TYR	CE2-CZ	15.81	1.76	1.38
2	23	227	TYR	CE2-CZ	15.81	1.76	1.38
2	3N	227	TYR	CE2-CZ	15.81	1.76	1.38
2	37	227	TYR	CE2-CZ	15.81	1.76	1.38
2	4J	227	TYR	CE2-CZ	15.81	1.76	1.38
2	4R	227	TYR	CE2-CZ	15.81	1.76	1.38
2	5Z	227	TYR	CE2-CZ	15.81	1.76	1.38
2	6F	227	TYR	CE2-CZ	15.81	1.76	1.38
2	6Z	227	TYR	CE2-CZ	15.81	1.76	1.38
2	7J	227	TYR	CE2-CZ	15.81	1.76	1.38
2	7V	227	TYR	CE2-CZ	15.81	1.76	1.38
1	1A	171	ARG	CD-NE	-15.80	1.24	1.46
1	1I	171	ARG	CD-NE	-15.80	1.24	1.46
1	2E	171	ARG	CD-NE	-15.80	1.24	1.46
1	26	171	ARG	CD-NE	-15.80	1.24	1.46
1	3E	171	ARG	CD-NE	-15.80	1.24	1.46
1	4A	171	ARG	CD-NE	-15.80	1.24	1.46
1	4M	171	ARG	CD-NE	-15.80	1.24	1.46
1	4U	171	ARG	CD-NE	-15.80	1.24	1.46
1	5Q	171	ARG	CD-NE	-15.80	1.24	1.46
1	6I	171	ARG	CD-NE	-15.80	1.24	1.46
1	6Q	171	ARG	CD-NE	-15.80	1.24	1.46
1	7M	171	ARG	CD-NE	-15.80	1.24	1.46
2	1N	227	TYR	CE2-CZ	15.80	1.76	1.38
2	13	227	TYR	CE2-CZ	15.80	1.76	1.38
2	17	227	TYR	CE2-CZ	15.80	1.76	1.38
2	2B	227	TYR	CE2-CZ	15.80	1.76	1.38
2	3R	227	TYR	CE2-CZ	15.80	1.76	1.38
2	3Z	227	TYR	CE2-CZ	15.80	1.76	1.38
2	5F	227	TYR	CE2-CZ	15.80	1.76	1.38
2	5J	227	TYR	CE2-CZ	15.80	1.76	1.38
2	67	227	TYR	CE2-CZ	15.80	1.76	1.38
1	1Q	171	ARG	CD-NE	-15.80	1.24	1.46
1	1Q	172	PHE	CG-CD1	15.80	1.72	1.38
1	1U	171	ARG	CD-NE	-15.80	1.24	1.46
1	1U	172	PHE	CG-CD1	15.80	1.72	1.38
1	1Y	171	ARG	CD-NE	-15.80	1.24	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	172	PHE	CG-CD1	15.80	1.72	1.38
2	2J	227	TYR	CE2-CZ	15.80	1.76	1.38
1	2Q	171	ARG	CD-NE	-15.80	1.24	1.46
1	2Q	172	PHE	CG-CD1	15.80	1.72	1.38
1	2U	171	ARG	CD-NE	-15.80	1.24	1.46
1	2U	172	PHE	CG-CD1	15.80	1.72	1.38
1	2Y	171	ARG	CD-NE	-15.80	1.24	1.46
1	2Y	172	PHE	CG-CD1	15.80	1.72	1.38
2	3B	227	TYR	CE2-CZ	15.80	1.76	1.38
2	3J	227	TYR	CE2-CZ	15.80	1.76	1.38
2	3V	227	TYR	CE2-CZ	15.80	1.76	1.38
2	33	227	TYR	CE2-CZ	15.80	1.76	1.38
2	4F	227	TYR	CE2-CZ	15.80	1.76	1.38
2	4Z	227	TYR	CE2-CZ	15.80	1.76	1.38
2	5N	227	TYR	CE2-CZ	15.80	1.76	1.38
2	63	227	TYR	CE2-CZ	15.80	1.76	1.38
1	42	171	ARG	CD-NE	-15.80	1.24	1.46
1	42	172	PHE	CG-CD1	15.80	1.72	1.38
1	46	171	ARG	CD-NE	-15.80	1.24	1.46
1	46	172	PHE	CG-CD1	15.80	1.72	1.38
1	5A	171	ARG	CD-NE	-15.80	1.24	1.46
1	5A	172	PHE	CG-CD1	15.80	1.72	1.38
2	5V	227	TYR	CE2-CZ	15.80	1.76	1.38
1	52	171	ARG	CD-NE	-15.80	1.24	1.46
1	52	172	PHE	CG-CD1	15.80	1.72	1.38
1	56	171	ARG	CD-NE	-15.80	1.24	1.46
1	56	172	PHE	CG-CD1	15.80	1.72	1.38
1	6A	171	ARG	CD-NE	-15.80	1.24	1.46
1	6A	172	PHE	CG-CD1	15.80	1.72	1.38
2	6N	227	TYR	CE2-CZ	15.80	1.76	1.38
2	6V	227	TYR	CE2-CZ	15.80	1.76	1.38
2	7B	227	TYR	CE2-CZ	15.80	1.76	1.38
2	7F	227	TYR	CE2-CZ	15.80	1.76	1.38
2	7R	227	TYR	CE2-CZ	15.80	1.76	1.38
1	1E	171	ARG	CD-NE	-15.80	1.24	1.46
1	2M	171	ARG	CD-NE	-15.80	1.24	1.46
1	22	171	ARG	CD-NE	-15.80	1.24	1.46
1	3M	171	ARG	CD-NE	-15.80	1.24	1.46
1	36	171	ARG	CD-NE	-15.80	1.24	1.46
1	4I	171	ARG	CD-NE	-15.80	1.24	1.46
1	4Q	171	ARG	CD-NE	-15.80	1.24	1.46
1	5Y	171	ARG	CD-NE	-15.80	1.24	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	171	ARG	CD-NE	-15.80	1.24	1.46
1	6Y	171	ARG	CD-NE	-15.80	1.24	1.46
1	7I	171	ARG	CD-NE	-15.80	1.24	1.46
1	7U	171	ARG	CD-NE	-15.80	1.24	1.46
1	12	172	PHE	CG-CD1	15.79	1.72	1.38
1	16	172	PHE	CG-CD1	15.79	1.72	1.38
1	2A	172	PHE	CG-CD1	15.79	1.72	1.38
1	3Q	172	PHE	CG-CD1	15.79	1.72	1.38
1	3U	172	PHE	CG-CD1	15.79	1.72	1.38
1	3Y	172	PHE	CG-CD1	15.79	1.72	1.38
1	5E	172	PHE	CG-CD1	15.79	1.72	1.38
1	5I	172	PHE	CG-CD1	15.79	1.72	1.38
1	5M	172	PHE	CG-CD1	15.79	1.72	1.38
1	62	172	PHE	CG-CD1	15.79	1.72	1.38
1	66	172	PHE	CG-CD1	15.79	1.72	1.38
1	7A	172	PHE	CG-CD1	15.79	1.72	1.38
1	1E	90	PHE	CG-CD2	15.79	1.72	1.38
1	2M	90	PHE	CG-CD2	15.79	1.72	1.38
1	22	90	PHE	CG-CD2	15.79	1.72	1.38
1	3M	90	PHE	CG-CD2	15.79	1.72	1.38
1	36	90	PHE	CG-CD2	15.79	1.72	1.38
1	4I	90	PHE	CG-CD2	15.79	1.72	1.38
1	4Q	90	PHE	CG-CD2	15.79	1.72	1.38
1	5Y	90	PHE	CG-CD2	15.79	1.72	1.38
1	6E	90	PHE	CG-CD2	15.79	1.72	1.38
1	6Y	90	PHE	CG-CD2	15.79	1.72	1.38
1	7I	90	PHE	CG-CD2	15.79	1.72	1.38
1	7U	90	PHE	CG-CD2	15.79	1.72	1.38
1	1M	171	ARG	CD-NE	-15.79	1.24	1.46
1	2I	171	ARG	CD-NE	-15.79	1.24	1.46
1	3A	171	ARG	CD-NE	-15.79	1.24	1.46
1	3I	171	ARG	CD-NE	-15.79	1.24	1.46
1	32	171	ARG	CD-NE	-15.79	1.24	1.46
1	4E	171	ARG	CD-NE	-15.79	1.24	1.46
1	4Y	171	ARG	CD-NE	-15.79	1.24	1.46
1	5U	171	ARG	CD-NE	-15.79	1.24	1.46
1	6M	171	ARG	CD-NE	-15.79	1.24	1.46
1	6U	171	ARG	CD-NE	-15.79	1.24	1.46
1	7E	171	ARG	CD-NE	-15.79	1.24	1.46
1	7Q	171	ARG	CD-NE	-15.79	1.24	1.46
1	1A	172	PHE	CG-CD1	15.79	1.72	1.38
1	1I	172	PHE	CG-CD1	15.79	1.72	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	172	PHE	CG-CD1	15.79	1.72	1.38
1	26	172	PHE	CG-CD1	15.79	1.72	1.38
1	3E	172	PHE	CG-CD1	15.79	1.72	1.38
1	4A	172	PHE	CG-CD1	15.79	1.72	1.38
1	4M	172	PHE	CG-CD1	15.79	1.72	1.38
1	4U	172	PHE	CG-CD1	15.79	1.72	1.38
1	5Q	172	PHE	CG-CD1	15.79	1.72	1.38
1	6I	172	PHE	CG-CD1	15.79	1.72	1.38
1	6Q	172	PHE	CG-CD1	15.79	1.72	1.38
1	7M	172	PHE	CG-CD1	15.79	1.72	1.38
1	1A	90	PHE	CG-CD2	15.78	1.72	1.38
1	1E	172	PHE	CG-CD1	15.78	1.72	1.38
1	1I	90	PHE	CG-CD2	15.78	1.72	1.38
1	4I	172	PHE	CG-CD1	15.78	1.72	1.38
1	1M	172	PHE	CG-CD1	15.78	1.72	1.38
1	2E	90	PHE	CG-CD2	15.78	1.72	1.38
1	2M	172	PHE	CG-CD1	15.78	1.72	1.38
1	22	172	PHE	CG-CD1	15.78	1.72	1.38
1	6Y	172	PHE	CG-CD1	15.78	1.72	1.38
1	2I	172	PHE	CG-CD1	15.78	1.72	1.38
1	26	90	PHE	CG-CD2	15.78	1.72	1.38
1	3A	172	PHE	CG-CD1	15.78	1.72	1.38
1	3E	90	PHE	CG-CD2	15.78	1.72	1.38
1	3M	172	PHE	CG-CD1	15.78	1.72	1.38
1	36	172	PHE	CG-CD1	15.78	1.72	1.38
1	4Q	172	PHE	CG-CD1	15.78	1.72	1.38
1	7U	172	PHE	CG-CD1	15.78	1.72	1.38
1	3I	172	PHE	CG-CD1	15.78	1.72	1.38
1	32	172	PHE	CG-CD1	15.78	1.72	1.38
1	4A	90	PHE	CG-CD2	15.78	1.72	1.38
1	4E	172	PHE	CG-CD1	15.78	1.72	1.38
1	4M	90	PHE	CG-CD2	15.78	1.72	1.38
1	4U	90	PHE	CG-CD2	15.78	1.72	1.38
1	7I	172	PHE	CG-CD1	15.78	1.72	1.38
1	4Y	172	PHE	CG-CD1	15.78	1.72	1.38
1	5Q	90	PHE	CG-CD2	15.78	1.72	1.38
1	5Y	172	PHE	CG-CD1	15.78	1.72	1.38
1	6E	172	PHE	CG-CD1	15.78	1.72	1.38
1	5U	172	PHE	CG-CD1	15.78	1.72	1.38
1	6I	90	PHE	CG-CD2	15.78	1.72	1.38
1	6M	172	PHE	CG-CD1	15.78	1.72	1.38
1	6Q	90	PHE	CG-CD2	15.78	1.72	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6U	172	PHE	CG-CD1	15.78	1.72	1.38
1	7E	172	PHE	CG-CD1	15.78	1.72	1.38
1	7M	90	PHE	CG-CD2	15.78	1.72	1.38
1	7Q	172	PHE	CG-CD1	15.78	1.72	1.38
1	1E	83	GLY	CA-C	15.78	1.72	1.52
1	12	156	SER	N-CA	-15.78	1.25	1.46
1	16	156	SER	N-CA	-15.78	1.25	1.46
1	2A	156	SER	N-CA	-15.78	1.25	1.46
1	2M	83	GLY	CA-C	15.78	1.72	1.52
1	22	83	GLY	CA-C	15.78	1.72	1.52
1	3M	83	GLY	CA-C	15.78	1.72	1.52
1	3Q	156	SER	N-CA	-15.78	1.25	1.46
1	3U	156	SER	N-CA	-15.78	1.25	1.46
1	3Y	156	SER	N-CA	-15.78	1.25	1.46
1	36	83	GLY	CA-C	15.78	1.72	1.52
1	4I	83	GLY	CA-C	15.78	1.72	1.52
1	4Q	83	GLY	CA-C	15.78	1.72	1.52
1	5E	156	SER	N-CA	-15.78	1.25	1.46
1	5I	156	SER	N-CA	-15.78	1.25	1.46
1	5M	156	SER	N-CA	-15.78	1.25	1.46
1	5Y	83	GLY	CA-C	15.78	1.72	1.52
1	6E	83	GLY	CA-C	15.78	1.72	1.52
1	6Y	83	GLY	CA-C	15.78	1.72	1.52
1	62	156	SER	N-CA	-15.78	1.25	1.46
1	66	156	SER	N-CA	-15.78	1.25	1.46
1	7A	156	SER	N-CA	-15.78	1.25	1.46
1	7I	83	GLY	CA-C	15.78	1.72	1.52
1	7U	83	GLY	CA-C	15.78	1.72	1.52
1	1Q	90	PHE	CG-CD2	15.77	1.72	1.38
1	1U	90	PHE	CG-CD2	15.77	1.72	1.38
1	1Y	90	PHE	CG-CD2	15.77	1.72	1.38
1	2Q	90	PHE	CG-CD2	15.77	1.72	1.38
1	2U	90	PHE	CG-CD2	15.77	1.72	1.38
1	2Y	90	PHE	CG-CD2	15.77	1.72	1.38
1	42	90	PHE	CG-CD2	15.77	1.72	1.38
1	46	90	PHE	CG-CD2	15.77	1.72	1.38
1	5A	90	PHE	CG-CD2	15.77	1.72	1.38
1	52	90	PHE	CG-CD2	15.77	1.72	1.38
1	56	90	PHE	CG-CD2	15.77	1.72	1.38
1	6A	90	PHE	CG-CD2	15.77	1.72	1.38
1	1M	90	PHE	CG-CD2	15.77	1.72	1.38
1	2I	90	PHE	CG-CD2	15.77	1.72	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	90	PHE	CG-CD2	15.77	1.72	1.38
1	3I	90	PHE	CG-CD2	15.77	1.72	1.38
1	32	90	PHE	CG-CD2	15.77	1.72	1.38
1	4E	90	PHE	CG-CD2	15.77	1.72	1.38
1	4Y	90	PHE	CG-CD2	15.77	1.72	1.38
1	5U	90	PHE	CG-CD2	15.77	1.72	1.38
1	6M	90	PHE	CG-CD2	15.77	1.72	1.38
1	6U	90	PHE	CG-CD2	15.77	1.72	1.38
1	7E	90	PHE	CG-CD2	15.77	1.72	1.38
1	7Q	90	PHE	CG-CD2	15.77	1.72	1.38
1	1Q	179	VAL	N-CA	15.77	1.65	1.46
1	1U	179	VAL	N-CA	15.77	1.65	1.46
1	1Y	179	VAL	N-CA	15.77	1.65	1.46
1	2Q	179	VAL	N-CA	15.77	1.65	1.46
1	2U	179	VAL	N-CA	15.77	1.65	1.46
1	2Y	179	VAL	N-CA	15.77	1.65	1.46
1	42	179	VAL	N-CA	15.77	1.65	1.46
1	46	179	VAL	N-CA	15.77	1.65	1.46
1	5A	179	VAL	N-CA	15.77	1.65	1.46
1	52	179	VAL	N-CA	15.77	1.65	1.46
1	56	179	VAL	N-CA	15.77	1.65	1.46
1	6A	179	VAL	N-CA	15.77	1.65	1.46
1	12	12	MET	C-O	-15.77	1.03	1.23
1	12	83	GLY	CA-C	15.77	1.72	1.52
1	16	12	MET	C-O	-15.77	1.03	1.23
1	16	83	GLY	CA-C	15.77	1.72	1.52
1	2A	12	MET	C-O	-15.77	1.03	1.23
1	2A	83	GLY	CA-C	15.77	1.72	1.52
1	3Q	12	MET	C-O	-15.77	1.03	1.23
1	3Q	83	GLY	CA-C	15.77	1.72	1.52
1	3U	12	MET	C-O	-15.77	1.03	1.23
1	3U	83	GLY	CA-C	15.77	1.72	1.52
1	3Y	12	MET	C-O	-15.77	1.03	1.23
1	3Y	83	GLY	CA-C	15.77	1.72	1.52
1	5E	12	MET	C-O	-15.77	1.03	1.23
1	5E	83	GLY	CA-C	15.77	1.72	1.52
1	5I	12	MET	C-O	-15.77	1.03	1.23
1	5I	83	GLY	CA-C	15.77	1.72	1.52
1	5M	12	MET	C-O	-15.77	1.03	1.23
1	5M	83	GLY	CA-C	15.77	1.72	1.52
1	62	12	MET	C-O	-15.77	1.03	1.23
1	62	83	GLY	CA-C	15.77	1.72	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	12	MET	C-O	-15.77	1.03	1.23
1	66	83	GLY	CA-C	15.77	1.72	1.52
1	7A	12	MET	C-O	-15.77	1.03	1.23
1	7A	83	GLY	CA-C	15.77	1.72	1.52
1	1M	156	SER	N-CA	-15.76	1.25	1.46
1	2I	156	SER	N-CA	-15.76	1.25	1.46
1	3A	156	SER	N-CA	-15.76	1.25	1.46
1	3I	156	SER	N-CA	-15.76	1.25	1.46
1	32	156	SER	N-CA	-15.76	1.25	1.46
1	4E	156	SER	N-CA	-15.76	1.25	1.46
1	4Y	156	SER	N-CA	-15.76	1.25	1.46
1	5U	156	SER	N-CA	-15.76	1.25	1.46
1	6M	156	SER	N-CA	-15.76	1.25	1.46
1	6U	156	SER	N-CA	-15.76	1.25	1.46
1	7E	156	SER	N-CA	-15.76	1.25	1.46
1	7Q	156	SER	N-CA	-15.76	1.25	1.46
1	12	90	PHE	CG-CD2	15.76	1.72	1.38
1	16	90	PHE	CG-CD2	15.76	1.72	1.38
1	2A	90	PHE	CG-CD2	15.76	1.72	1.38
1	3Q	90	PHE	CG-CD2	15.76	1.72	1.38
1	3U	90	PHE	CG-CD2	15.76	1.72	1.38
1	3Y	90	PHE	CG-CD2	15.76	1.72	1.38
1	5E	90	PHE	CG-CD2	15.76	1.72	1.38
1	5I	90	PHE	CG-CD2	15.76	1.72	1.38
1	5M	90	PHE	CG-CD2	15.76	1.72	1.38
1	62	90	PHE	CG-CD2	15.76	1.72	1.38
1	66	90	PHE	CG-CD2	15.76	1.72	1.38
1	7A	90	PHE	CG-CD2	15.76	1.72	1.38
2	1N	9	VAL	CB-CG2	15.75	2.04	1.52
2	2J	9	VAL	CB-CG2	15.75	2.04	1.52
2	3B	9	VAL	CB-CG2	15.75	2.04	1.52
2	3J	9	VAL	CB-CG2	15.75	2.04	1.52
2	33	9	VAL	CB-CG2	15.75	2.04	1.52
2	4F	9	VAL	CB-CG2	15.75	2.04	1.52
2	4Z	9	VAL	CB-CG2	15.75	2.04	1.52
2	5V	9	VAL	CB-CG2	15.75	2.04	1.52
2	6N	9	VAL	CB-CG2	15.75	2.04	1.52
2	6V	9	VAL	CB-CG2	15.75	2.04	1.52
2	7F	9	VAL	CB-CG2	15.75	2.04	1.52
2	7R	9	VAL	CB-CG2	15.75	2.04	1.52
1	1A	12	MET	C-O	-15.74	1.03	1.23
1	1E	12	MET	C-O	-15.74	1.03	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1I	12	MET	C-O	-15.74	1.03	1.23
1	2E	12	MET	C-O	-15.74	1.03	1.23
1	2M	12	MET	C-O	-15.74	1.03	1.23
1	22	12	MET	C-O	-15.74	1.03	1.23
1	26	12	MET	C-O	-15.74	1.03	1.23
1	3E	12	MET	C-O	-15.74	1.03	1.23
1	3M	12	MET	C-O	-15.74	1.03	1.23
1	36	12	MET	C-O	-15.74	1.03	1.23
1	4A	12	MET	C-O	-15.74	1.03	1.23
1	4I	12	MET	C-O	-15.74	1.03	1.23
1	4M	12	MET	C-O	-15.74	1.03	1.23
1	4Q	12	MET	C-O	-15.74	1.03	1.23
1	4U	12	MET	C-O	-15.74	1.03	1.23
1	5Q	12	MET	C-O	-15.74	1.03	1.23
1	5Y	12	MET	C-O	-15.74	1.03	1.23
1	6E	12	MET	C-O	-15.74	1.03	1.23
1	6I	12	MET	C-O	-15.74	1.03	1.23
1	6Q	12	MET	C-O	-15.74	1.03	1.23
1	6Y	12	MET	C-O	-15.74	1.03	1.23
1	7I	12	MET	C-O	-15.74	1.03	1.23
1	7M	12	MET	C-O	-15.74	1.03	1.23
1	7U	12	MET	C-O	-15.74	1.03	1.23
2	13	9	VAL	CB-CG2	15.74	2.04	1.52
2	17	9	VAL	CB-CG2	15.74	2.04	1.52
2	2B	9	VAL	CB-CG2	15.74	2.04	1.52
2	3R	9	VAL	CB-CG2	15.74	2.04	1.52
2	3V	9	VAL	CB-CG2	15.74	2.04	1.52
2	3Z	9	VAL	CB-CG2	15.74	2.04	1.52
2	5F	9	VAL	CB-CG2	15.74	2.04	1.52
2	5J	9	VAL	CB-CG2	15.74	2.04	1.52
2	5N	9	VAL	CB-CG2	15.74	2.04	1.52
2	63	9	VAL	CB-CG2	15.74	2.04	1.52
2	67	9	VAL	CB-CG2	15.74	2.04	1.52
2	7B	9	VAL	CB-CG2	15.74	2.04	1.52
1	1A	179	VAL	N-CA	15.74	1.65	1.46
2	1F	9	VAL	CB-CG2	15.74	2.04	1.52
1	1I	179	VAL	N-CA	15.74	1.65	1.46
1	2E	179	VAL	N-CA	15.74	1.65	1.46
2	2N	9	VAL	CB-CG2	15.74	2.04	1.52
2	23	9	VAL	CB-CG2	15.74	2.04	1.52
1	26	179	VAL	N-CA	15.74	1.65	1.46
1	3E	179	VAL	N-CA	15.74	1.65	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3N	9	VAL	CB-CG2	15.74	2.04	1.52
2	37	9	VAL	CB-CG2	15.74	2.04	1.52
1	4A	179	VAL	N-CA	15.74	1.65	1.46
2	4J	9	VAL	CB-CG2	15.74	2.04	1.52
1	4M	179	VAL	N-CA	15.74	1.65	1.46
2	4R	9	VAL	CB-CG2	15.74	2.04	1.52
1	4U	179	VAL	N-CA	15.74	1.65	1.46
1	5Q	179	VAL	N-CA	15.74	1.65	1.46
2	5Z	9	VAL	CB-CG2	15.74	2.04	1.52
2	6F	9	VAL	CB-CG2	15.74	2.04	1.52
1	6I	179	VAL	N-CA	15.74	1.65	1.46
1	6Q	179	VAL	N-CA	15.74	1.65	1.46
2	6Z	9	VAL	CB-CG2	15.74	2.04	1.52
2	7J	9	VAL	CB-CG2	15.74	2.04	1.52
1	7M	179	VAL	N-CA	15.74	1.65	1.46
2	7V	9	VAL	CB-CG2	15.74	2.04	1.52
1	1M	179	VAL	N-CA	15.73	1.65	1.46
1	12	171	ARG	CD-NE	-15.73	1.24	1.46
1	16	171	ARG	CD-NE	-15.73	1.24	1.46
1	2A	171	ARG	CD-NE	-15.73	1.24	1.46
1	2I	179	VAL	N-CA	15.73	1.65	1.46
1	3A	179	VAL	N-CA	15.73	1.65	1.46
1	3I	179	VAL	N-CA	15.73	1.65	1.46
1	3Q	171	ARG	CD-NE	-15.73	1.24	1.46
1	3U	171	ARG	CD-NE	-15.73	1.24	1.46
1	3Y	171	ARG	CD-NE	-15.73	1.24	1.46
1	32	179	VAL	N-CA	15.73	1.65	1.46
1	4E	179	VAL	N-CA	15.73	1.65	1.46
1	4Y	179	VAL	N-CA	15.73	1.65	1.46
1	5E	171	ARG	CD-NE	-15.73	1.24	1.46
1	5I	171	ARG	CD-NE	-15.73	1.24	1.46
1	5M	171	ARG	CD-NE	-15.73	1.24	1.46
1	5U	179	VAL	N-CA	15.73	1.65	1.46
1	6M	179	VAL	N-CA	15.73	1.65	1.46
1	6U	179	VAL	N-CA	15.73	1.65	1.46
1	62	171	ARG	CD-NE	-15.73	1.24	1.46
1	66	171	ARG	CD-NE	-15.73	1.24	1.46
1	7A	171	ARG	CD-NE	-15.73	1.24	1.46
1	7E	179	VAL	N-CA	15.73	1.65	1.46
1	7Q	179	VAL	N-CA	15.73	1.65	1.46
1	1E	179	VAL	N-CA	15.73	1.65	1.46
1	1M	12	MET	C-O	-15.73	1.03	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1R	9	VAL	CB-CG2	15.73	2.04	1.52
2	1V	9	VAL	CB-CG2	15.73	2.04	1.52
2	1Z	9	VAL	CB-CG2	15.73	2.04	1.52
1	2I	12	MET	C-O	-15.73	1.03	1.23
1	2M	179	VAL	N-CA	15.73	1.65	1.46
2	2R	9	VAL	CB-CG2	15.73	2.04	1.52
2	2V	9	VAL	CB-CG2	15.73	2.04	1.52
2	2Z	9	VAL	CB-CG2	15.73	2.04	1.52
1	22	179	VAL	N-CA	15.73	1.65	1.46
1	3A	12	MET	C-O	-15.73	1.03	1.23
1	3I	12	MET	C-O	-15.73	1.03	1.23
1	3M	179	VAL	N-CA	15.73	1.65	1.46
1	32	12	MET	C-O	-15.73	1.03	1.23
1	36	179	VAL	N-CA	15.73	1.65	1.46
1	4E	12	MET	C-O	-15.73	1.03	1.23
1	4I	179	VAL	N-CA	15.73	1.65	1.46
1	4Q	179	VAL	N-CA	15.73	1.65	1.46
1	4Y	12	MET	C-O	-15.73	1.03	1.23
2	43	9	VAL	CB-CG2	15.73	2.04	1.52
2	47	9	VAL	CB-CG2	15.73	2.04	1.52
2	5B	9	VAL	CB-CG2	15.73	2.04	1.52
1	5U	12	MET	C-O	-15.73	1.03	1.23
1	5Y	179	VAL	N-CA	15.73	1.65	1.46
2	53	9	VAL	CB-CG2	15.73	2.04	1.52
2	57	9	VAL	CB-CG2	15.73	2.04	1.52
2	6B	9	VAL	CB-CG2	15.73	2.04	1.52
1	6E	179	VAL	N-CA	15.73	1.65	1.46
1	6M	12	MET	C-O	-15.73	1.03	1.23
1	6U	12	MET	C-O	-15.73	1.03	1.23
1	6Y	179	VAL	N-CA	15.73	1.65	1.46
1	7E	12	MET	C-O	-15.73	1.03	1.23
1	7I	179	VAL	N-CA	15.73	1.65	1.46
1	7Q	12	MET	C-O	-15.73	1.03	1.23
1	7U	179	VAL	N-CA	15.73	1.65	1.46
2	1B	9	VAL	CB-CG2	15.73	2.04	1.52
2	1J	9	VAL	CB-CG2	15.73	2.04	1.52
2	2F	9	VAL	CB-CG2	15.73	2.04	1.52
2	27	9	VAL	CB-CG2	15.73	2.04	1.52
2	3F	9	VAL	CB-CG2	15.73	2.04	1.52
2	4B	9	VAL	CB-CG2	15.73	2.04	1.52
2	4N	9	VAL	CB-CG2	15.73	2.04	1.52
2	4V	9	VAL	CB-CG2	15.73	2.04	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	9	VAL	CB-CG2	15.73	2.04	1.52
2	6J	9	VAL	CB-CG2	15.73	2.04	1.52
2	6R	9	VAL	CB-CG2	15.73	2.04	1.52
2	7N	9	VAL	CB-CG2	15.73	2.04	1.52
1	1A	83	GLY	CA-C	15.73	1.72	1.52
1	1I	83	GLY	CA-C	15.73	1.72	1.52
2	1N	217	PRO	N-CA	-15.73	1.25	1.47
1	1Q	83	GLY	CA-C	15.73	1.72	1.52
1	1U	83	GLY	CA-C	15.73	1.72	1.52
1	1Y	83	GLY	CA-C	15.73	1.72	1.52
1	2E	83	GLY	CA-C	15.73	1.72	1.52
2	2J	217	PRO	N-CA	-15.73	1.25	1.47
1	2Q	83	GLY	CA-C	15.73	1.72	1.52
1	2U	83	GLY	CA-C	15.73	1.72	1.52
1	2Y	83	GLY	CA-C	15.73	1.72	1.52
1	26	83	GLY	CA-C	15.73	1.72	1.52
2	3B	217	PRO	N-CA	-15.73	1.25	1.47
1	3E	83	GLY	CA-C	15.73	1.72	1.52
2	3J	217	PRO	N-CA	-15.73	1.25	1.47
2	33	217	PRO	N-CA	-15.73	1.25	1.47
1	4A	83	GLY	CA-C	15.73	1.72	1.52
2	4F	217	PRO	N-CA	-15.73	1.25	1.47
1	4M	83	GLY	CA-C	15.73	1.72	1.52
1	4U	83	GLY	CA-C	15.73	1.72	1.52
2	4Z	217	PRO	N-CA	-15.73	1.25	1.47
1	42	83	GLY	CA-C	15.73	1.72	1.52
1	46	83	GLY	CA-C	15.73	1.72	1.52
1	5A	83	GLY	CA-C	15.73	1.72	1.52
1	5Q	83	GLY	CA-C	15.73	1.72	1.52
2	5V	217	PRO	N-CA	-15.73	1.25	1.47
1	52	83	GLY	CA-C	15.73	1.72	1.52
1	56	83	GLY	CA-C	15.73	1.72	1.52
1	6A	83	GLY	CA-C	15.73	1.72	1.52
1	6I	83	GLY	CA-C	15.73	1.72	1.52
2	6N	217	PRO	N-CA	-15.73	1.25	1.47
1	6Q	83	GLY	CA-C	15.73	1.72	1.52
2	6V	217	PRO	N-CA	-15.73	1.25	1.47
2	7F	217	PRO	N-CA	-15.73	1.25	1.47
1	7M	83	GLY	CA-C	15.73	1.72	1.52
2	7R	217	PRO	N-CA	-15.73	1.25	1.47
1	1A	156	SER	N-CA	-15.72	1.25	1.46
1	1I	156	SER	N-CA	-15.72	1.25	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	156	SER	N-CA	-15.72	1.25	1.46
1	26	156	SER	N-CA	-15.72	1.25	1.46
1	3E	156	SER	N-CA	-15.72	1.25	1.46
1	4A	156	SER	N-CA	-15.72	1.25	1.46
1	4M	156	SER	N-CA	-15.72	1.25	1.46
1	4U	156	SER	N-CA	-15.72	1.25	1.46
1	5Q	156	SER	N-CA	-15.72	1.25	1.46
1	6I	156	SER	N-CA	-15.72	1.25	1.46
1	6Q	156	SER	N-CA	-15.72	1.25	1.46
1	7M	156	SER	N-CA	-15.72	1.25	1.46
2	1R	217	PRO	N-CA	-15.72	1.25	1.47
2	1V	217	PRO	N-CA	-15.72	1.25	1.47
2	1Z	217	PRO	N-CA	-15.72	1.25	1.47
2	2R	217	PRO	N-CA	-15.72	1.25	1.47
2	2V	217	PRO	N-CA	-15.72	1.25	1.47
2	2Z	217	PRO	N-CA	-15.72	1.25	1.47
2	43	217	PRO	N-CA	-15.72	1.25	1.47
2	47	217	PRO	N-CA	-15.72	1.25	1.47
2	5B	217	PRO	N-CA	-15.72	1.25	1.47
2	53	217	PRO	N-CA	-15.72	1.25	1.47
2	57	217	PRO	N-CA	-15.72	1.25	1.47
2	6B	217	PRO	N-CA	-15.72	1.25	1.47
1	1E	156	SER	N-CA	-15.71	1.25	1.46
1	1Q	12	MET	C-O	-15.71	1.03	1.23
1	1U	12	MET	C-O	-15.71	1.03	1.23
1	1Y	12	MET	C-O	-15.71	1.03	1.23
1	2M	156	SER	N-CA	-15.71	1.25	1.46
1	2Q	12	MET	C-O	-15.71	1.03	1.23
1	2U	12	MET	C-O	-15.71	1.03	1.23
1	2Y	12	MET	C-O	-15.71	1.03	1.23
1	22	156	SER	N-CA	-15.71	1.25	1.46
1	3M	156	SER	N-CA	-15.71	1.25	1.46
1	36	156	SER	N-CA	-15.71	1.25	1.46
1	4I	156	SER	N-CA	-15.71	1.25	1.46
1	4Q	156	SER	N-CA	-15.71	1.25	1.46
1	42	12	MET	C-O	-15.71	1.03	1.23
1	46	12	MET	C-O	-15.71	1.03	1.23
1	5A	12	MET	C-O	-15.71	1.03	1.23
1	5Y	156	SER	N-CA	-15.71	1.25	1.46
1	52	12	MET	C-O	-15.71	1.03	1.23
1	56	12	MET	C-O	-15.71	1.03	1.23
1	6A	12	MET	C-O	-15.71	1.03	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	156	SER	N-CA	-15.71	1.25	1.46
1	6Y	156	SER	N-CA	-15.71	1.25	1.46
1	7I	156	SER	N-CA	-15.71	1.25	1.46
1	7U	156	SER	N-CA	-15.71	1.25	1.46
2	1F	217	PRO	N-CA	-15.71	1.25	1.47
2	2N	217	PRO	N-CA	-15.71	1.25	1.47
2	23	217	PRO	N-CA	-15.71	1.25	1.47
2	3N	217	PRO	N-CA	-15.71	1.25	1.47
2	37	217	PRO	N-CA	-15.71	1.25	1.47
2	4J	217	PRO	N-CA	-15.71	1.25	1.47
2	4R	217	PRO	N-CA	-15.71	1.25	1.47
2	5Z	217	PRO	N-CA	-15.71	1.25	1.47
2	6F	217	PRO	N-CA	-15.71	1.25	1.47
2	6Z	217	PRO	N-CA	-15.71	1.25	1.47
2	7J	217	PRO	N-CA	-15.71	1.25	1.47
2	7V	217	PRO	N-CA	-15.71	1.25	1.47
1	1M	83	GLY	CA-C	15.70	1.72	1.52
1	2I	83	GLY	CA-C	15.70	1.72	1.52
1	3A	83	GLY	CA-C	15.70	1.72	1.52
1	3I	83	GLY	CA-C	15.70	1.72	1.52
1	32	83	GLY	CA-C	15.70	1.72	1.52
1	4E	83	GLY	CA-C	15.70	1.72	1.52
1	4Y	83	GLY	CA-C	15.70	1.72	1.52
1	5U	83	GLY	CA-C	15.70	1.72	1.52
1	6M	83	GLY	CA-C	15.70	1.72	1.52
1	6U	83	GLY	CA-C	15.70	1.72	1.52
1	7E	83	GLY	CA-C	15.70	1.72	1.52
1	7Q	83	GLY	CA-C	15.70	1.72	1.52
2	13	217	PRO	N-CA	-15.70	1.25	1.47
2	17	217	PRO	N-CA	-15.70	1.25	1.47
2	2B	217	PRO	N-CA	-15.70	1.25	1.47
2	3R	217	PRO	N-CA	-15.70	1.25	1.47
2	3V	217	PRO	N-CA	-15.70	1.25	1.47
2	3Z	217	PRO	N-CA	-15.70	1.25	1.47
2	5F	217	PRO	N-CA	-15.70	1.25	1.47
2	5J	217	PRO	N-CA	-15.70	1.25	1.47
2	5N	217	PRO	N-CA	-15.70	1.25	1.47
2	63	217	PRO	N-CA	-15.70	1.25	1.47
2	67	217	PRO	N-CA	-15.70	1.25	1.47
2	7B	217	PRO	N-CA	-15.70	1.25	1.47
2	1B	217	PRO	N-CA	-15.69	1.26	1.47
2	1J	217	PRO	N-CA	-15.69	1.26	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	217	PRO	N-CA	-15.69	1.26	1.47
2	27	217	PRO	N-CA	-15.69	1.26	1.47
2	3F	217	PRO	N-CA	-15.69	1.26	1.47
2	4B	217	PRO	N-CA	-15.69	1.26	1.47
2	4N	217	PRO	N-CA	-15.69	1.26	1.47
2	4V	217	PRO	N-CA	-15.69	1.26	1.47
2	5R	217	PRO	N-CA	-15.69	1.26	1.47
2	6J	217	PRO	N-CA	-15.69	1.26	1.47
2	6R	217	PRO	N-CA	-15.69	1.26	1.47
2	7N	217	PRO	N-CA	-15.69	1.26	1.47
1	12	179	VAL	N-CA	15.68	1.65	1.46
1	16	179	VAL	N-CA	15.68	1.65	1.46
1	2A	179	VAL	N-CA	15.68	1.65	1.46
1	3Q	179	VAL	N-CA	15.68	1.65	1.46
1	3U	179	VAL	N-CA	15.68	1.65	1.46
1	3Y	179	VAL	N-CA	15.68	1.65	1.46
1	5E	179	VAL	N-CA	15.68	1.65	1.46
1	5I	179	VAL	N-CA	15.68	1.65	1.46
1	5M	179	VAL	N-CA	15.68	1.65	1.46
1	62	179	VAL	N-CA	15.68	1.65	1.46
1	66	179	VAL	N-CA	15.68	1.65	1.46
1	7A	179	VAL	N-CA	15.68	1.65	1.46
1	1Q	156	SER	N-CA	-15.67	1.25	1.46
1	1U	156	SER	N-CA	-15.67	1.25	1.46
1	1Y	156	SER	N-CA	-15.67	1.25	1.46
1	2Q	156	SER	N-CA	-15.67	1.25	1.46
1	2U	156	SER	N-CA	-15.67	1.25	1.46
1	2Y	156	SER	N-CA	-15.67	1.25	1.46
1	42	156	SER	N-CA	-15.67	1.25	1.46
1	46	156	SER	N-CA	-15.67	1.25	1.46
1	5A	156	SER	N-CA	-15.67	1.25	1.46
1	52	156	SER	N-CA	-15.67	1.25	1.46
1	56	156	SER	N-CA	-15.67	1.25	1.46
1	6A	156	SER	N-CA	-15.67	1.25	1.46
2	1N	229	ASN	C-O	15.67	1.54	1.23
2	2J	229	ASN	C-O	15.67	1.54	1.23
2	3B	229	ASN	C-O	15.67	1.54	1.23
2	3J	229	ASN	C-O	15.67	1.54	1.23
2	33	229	ASN	C-O	15.67	1.54	1.23
2	4F	229	ASN	C-O	15.67	1.54	1.23
2	4Z	229	ASN	C-O	15.67	1.54	1.23
2	5V	229	ASN	C-O	15.67	1.54	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	229	ASN	C-O	15.67	1.54	1.23
2	6V	229	ASN	C-O	15.67	1.54	1.23
2	7F	229	ASN	C-O	15.67	1.54	1.23
2	7R	229	ASN	C-O	15.67	1.54	1.23
2	1R	229	ASN	C-O	15.66	1.54	1.23
2	1V	229	ASN	C-O	15.66	1.54	1.23
2	1Z	229	ASN	C-O	15.66	1.54	1.23
2	2R	229	ASN	C-O	15.66	1.54	1.23
2	2V	229	ASN	C-O	15.66	1.54	1.23
2	2Z	229	ASN	C-O	15.66	1.54	1.23
2	43	229	ASN	C-O	15.66	1.54	1.23
2	47	229	ASN	C-O	15.66	1.54	1.23
2	5B	229	ASN	C-O	15.66	1.54	1.23
2	53	229	ASN	C-O	15.66	1.54	1.23
2	57	229	ASN	C-O	15.66	1.54	1.23
2	6B	229	ASN	C-O	15.66	1.54	1.23
2	13	229	ASN	C-O	15.66	1.54	1.23
2	17	229	ASN	C-O	15.66	1.54	1.23
2	2B	229	ASN	C-O	15.66	1.54	1.23
2	3R	229	ASN	C-O	15.66	1.54	1.23
2	3V	229	ASN	C-O	15.66	1.54	1.23
2	3Z	229	ASN	C-O	15.66	1.54	1.23
2	5F	229	ASN	C-O	15.66	1.54	1.23
2	5J	229	ASN	C-O	15.66	1.54	1.23
2	5N	229	ASN	C-O	15.66	1.54	1.23
2	63	229	ASN	C-O	15.66	1.54	1.23
2	67	229	ASN	C-O	15.66	1.54	1.23
2	7B	229	ASN	C-O	15.66	1.54	1.23
2	1B	229	ASN	C-O	15.66	1.54	1.23
2	1J	229	ASN	C-O	15.66	1.54	1.23
2	2F	229	ASN	C-O	15.66	1.54	1.23
2	27	229	ASN	C-O	15.66	1.54	1.23
2	3F	229	ASN	C-O	15.66	1.54	1.23
2	4B	229	ASN	C-O	15.66	1.54	1.23
2	4N	229	ASN	C-O	15.66	1.54	1.23
2	4V	229	ASN	C-O	15.66	1.54	1.23
2	5R	229	ASN	C-O	15.66	1.54	1.23
2	6J	229	ASN	C-O	15.66	1.54	1.23
2	6R	229	ASN	C-O	15.66	1.54	1.23
2	7N	229	ASN	C-O	15.66	1.54	1.23
2	1F	229	ASN	C-O	15.65	1.54	1.23
2	2N	229	ASN	C-O	15.65	1.54	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	229	ASN	C-O	15.65	1.54	1.23
2	3N	229	ASN	C-O	15.65	1.54	1.23
2	37	229	ASN	C-O	15.65	1.54	1.23
2	4J	229	ASN	C-O	15.65	1.54	1.23
2	4R	229	ASN	C-O	15.65	1.54	1.23
2	5Z	229	ASN	C-O	15.65	1.54	1.23
2	6F	229	ASN	C-O	15.65	1.54	1.23
2	6Z	229	ASN	C-O	15.65	1.54	1.23
2	7J	229	ASN	C-O	15.65	1.54	1.23
2	7V	229	ASN	C-O	15.65	1.54	1.23
1	1M	169	ASP	C-N	-15.63	1.10	1.33
1	2I	169	ASP	C-N	-15.63	1.10	1.33
1	3A	169	ASP	C-N	-15.63	1.10	1.33
1	3I	169	ASP	C-N	-15.63	1.10	1.33
1	32	169	ASP	C-N	-15.63	1.10	1.33
1	4E	169	ASP	C-N	-15.63	1.10	1.33
1	4Y	169	ASP	C-N	-15.63	1.10	1.33
1	5U	169	ASP	C-N	-15.63	1.10	1.33
1	6M	169	ASP	C-N	-15.63	1.10	1.33
1	6U	169	ASP	C-N	-15.63	1.10	1.33
1	7E	169	ASP	C-N	-15.63	1.10	1.33
1	7Q	169	ASP	C-N	-15.63	1.10	1.33
1	1E	169	ASP	C-N	-15.63	1.10	1.33
1	2M	169	ASP	C-N	-15.63	1.10	1.33
1	22	169	ASP	C-N	-15.63	1.10	1.33
1	3M	169	ASP	C-N	-15.63	1.10	1.33
1	36	169	ASP	C-N	-15.63	1.10	1.33
1	4I	169	ASP	C-N	-15.63	1.10	1.33
1	4Q	169	ASP	C-N	-15.63	1.10	1.33
1	5Y	169	ASP	C-N	-15.63	1.10	1.33
1	6E	169	ASP	C-N	-15.63	1.10	1.33
1	6Y	169	ASP	C-N	-15.63	1.10	1.33
1	7I	169	ASP	C-N	-15.63	1.10	1.33
1	7U	169	ASP	C-N	-15.63	1.10	1.33
1	12	169	ASP	C-N	-15.62	1.10	1.33
1	16	169	ASP	C-N	-15.62	1.10	1.33
1	2A	169	ASP	C-N	-15.62	1.10	1.33
1	3Q	169	ASP	C-N	-15.62	1.10	1.33
1	3U	169	ASP	C-N	-15.62	1.10	1.33
1	3Y	169	ASP	C-N	-15.62	1.10	1.33
1	5E	169	ASP	C-N	-15.62	1.10	1.33
1	5I	169	ASP	C-N	-15.62	1.10	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	169	ASP	C-N	-15.62	1.10	1.33
1	62	169	ASP	C-N	-15.62	1.10	1.33
1	66	169	ASP	C-N	-15.62	1.10	1.33
1	7A	169	ASP	C-N	-15.62	1.10	1.33
1	1Q	169	ASP	C-N	-15.62	1.10	1.33
1	1U	169	ASP	C-N	-15.62	1.10	1.33
1	1Y	169	ASP	C-N	-15.62	1.10	1.33
1	2Q	169	ASP	C-N	-15.62	1.10	1.33
1	2U	169	ASP	C-N	-15.62	1.10	1.33
1	2Y	169	ASP	C-N	-15.62	1.10	1.33
1	42	169	ASP	C-N	-15.62	1.10	1.33
1	46	169	ASP	C-N	-15.62	1.10	1.33
1	5A	169	ASP	C-N	-15.62	1.10	1.33
1	52	169	ASP	C-N	-15.62	1.10	1.33
1	56	169	ASP	C-N	-15.62	1.10	1.33
1	6A	169	ASP	C-N	-15.62	1.10	1.33
1	1M	180	VAL	CB-CG2	15.62	2.04	1.52
1	1Q	180	VAL	CB-CG2	15.62	2.04	1.52
1	1U	180	VAL	CB-CG2	15.62	2.04	1.52
1	1Y	180	VAL	CB-CG2	15.62	2.04	1.52
1	2I	180	VAL	CB-CG2	15.62	2.04	1.52
1	2Q	180	VAL	CB-CG2	15.62	2.04	1.52
1	2U	180	VAL	CB-CG2	15.62	2.04	1.52
1	2Y	180	VAL	CB-CG2	15.62	2.04	1.52
1	3A	180	VAL	CB-CG2	15.62	2.04	1.52
1	3I	180	VAL	CB-CG2	15.62	2.04	1.52
1	32	180	VAL	CB-CG2	15.62	2.04	1.52
1	4E	180	VAL	CB-CG2	15.62	2.04	1.52
1	4Y	180	VAL	CB-CG2	15.62	2.04	1.52
1	42	180	VAL	CB-CG2	15.62	2.04	1.52
1	46	180	VAL	CB-CG2	15.62	2.04	1.52
1	5A	180	VAL	CB-CG2	15.62	2.04	1.52
1	5U	180	VAL	CB-CG2	15.62	2.04	1.52
1	52	180	VAL	CB-CG2	15.62	2.04	1.52
1	56	180	VAL	CB-CG2	15.62	2.04	1.52
1	6A	180	VAL	CB-CG2	15.62	2.04	1.52
1	6M	180	VAL	CB-CG2	15.62	2.04	1.52
1	6U	180	VAL	CB-CG2	15.62	2.04	1.52
1	7E	180	VAL	CB-CG2	15.62	2.04	1.52
1	7Q	180	VAL	CB-CG2	15.62	2.04	1.52
1	1A	180	VAL	CB-CG2	15.61	2.04	1.52
1	1I	180	VAL	CB-CG2	15.61	2.04	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Q	170	ALA	C-N	-15.61	1.12	1.33
1	1U	170	ALA	C-N	-15.61	1.12	1.33
1	1Y	170	ALA	C-N	-15.61	1.12	1.33
1	2E	180	VAL	CB-CG2	15.61	2.04	1.52
1	2Q	170	ALA	C-N	-15.61	1.12	1.33
1	2U	170	ALA	C-N	-15.61	1.12	1.33
1	2Y	170	ALA	C-N	-15.61	1.12	1.33
1	26	180	VAL	CB-CG2	15.61	2.04	1.52
1	3E	180	VAL	CB-CG2	15.61	2.04	1.52
1	4A	180	VAL	CB-CG2	15.61	2.04	1.52
1	4M	180	VAL	CB-CG2	15.61	2.04	1.52
1	4U	180	VAL	CB-CG2	15.61	2.04	1.52
1	42	170	ALA	C-N	-15.61	1.12	1.33
1	46	170	ALA	C-N	-15.61	1.12	1.33
1	5A	170	ALA	C-N	-15.61	1.12	1.33
1	5Q	180	VAL	CB-CG2	15.61	2.04	1.52
1	52	170	ALA	C-N	-15.61	1.12	1.33
1	56	170	ALA	C-N	-15.61	1.12	1.33
1	6A	170	ALA	C-N	-15.61	1.12	1.33
1	6I	180	VAL	CB-CG2	15.61	2.04	1.52
1	6Q	180	VAL	CB-CG2	15.61	2.04	1.52
1	7M	180	VAL	CB-CG2	15.61	2.04	1.52
1	1E	180	VAL	CB-CG2	15.60	2.04	1.52
1	2M	180	VAL	CB-CG2	15.60	2.04	1.52
1	22	180	VAL	CB-CG2	15.60	2.04	1.52
1	3M	180	VAL	CB-CG2	15.60	2.04	1.52
1	36	180	VAL	CB-CG2	15.60	2.04	1.52
1	4I	180	VAL	CB-CG2	15.60	2.04	1.52
1	4Q	180	VAL	CB-CG2	15.60	2.04	1.52
1	5Y	180	VAL	CB-CG2	15.60	2.04	1.52
1	6E	180	VAL	CB-CG2	15.60	2.04	1.52
1	6Y	180	VAL	CB-CG2	15.60	2.04	1.52
1	7I	180	VAL	CB-CG2	15.60	2.04	1.52
1	7U	180	VAL	CB-CG2	15.60	2.04	1.52
1	12	180	VAL	CB-CG2	15.60	2.04	1.52
1	16	180	VAL	CB-CG2	15.60	2.04	1.52
1	2A	180	VAL	CB-CG2	15.60	2.04	1.52
1	3Q	180	VAL	CB-CG2	15.60	2.04	1.52
1	3U	180	VAL	CB-CG2	15.60	2.04	1.52
1	3Y	180	VAL	CB-CG2	15.60	2.04	1.52
1	5E	180	VAL	CB-CG2	15.60	2.04	1.52
1	5I	180	VAL	CB-CG2	15.60	2.04	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	180	VAL	CB-CG2	15.60	2.04	1.52
1	62	180	VAL	CB-CG2	15.60	2.04	1.52
1	66	180	VAL	CB-CG2	15.60	2.04	1.52
1	7A	180	VAL	CB-CG2	15.60	2.04	1.52
1	1M	170	ALA	C-N	-15.59	1.12	1.33
1	2I	170	ALA	C-N	-15.59	1.12	1.33
1	3A	170	ALA	C-N	-15.59	1.12	1.33
1	3I	170	ALA	C-N	-15.59	1.12	1.33
1	32	170	ALA	C-N	-15.59	1.12	1.33
1	4E	170	ALA	C-N	-15.59	1.12	1.33
1	4Y	170	ALA	C-N	-15.59	1.12	1.33
1	5U	170	ALA	C-N	-15.59	1.12	1.33
1	6M	170	ALA	C-N	-15.59	1.12	1.33
1	6U	170	ALA	C-N	-15.59	1.12	1.33
1	7E	170	ALA	C-N	-15.59	1.12	1.33
1	7Q	170	ALA	C-N	-15.59	1.12	1.33
1	1E	170	ALA	C-N	-15.59	1.12	1.33
1	2M	170	ALA	C-N	-15.59	1.12	1.33
1	22	170	ALA	C-N	-15.59	1.12	1.33
1	3M	170	ALA	C-N	-15.59	1.12	1.33
1	36	170	ALA	C-N	-15.59	1.12	1.33
1	4I	170	ALA	C-N	-15.59	1.12	1.33
1	4Q	170	ALA	C-N	-15.59	1.12	1.33
1	5Y	170	ALA	C-N	-15.59	1.12	1.33
1	6E	170	ALA	C-N	-15.59	1.12	1.33
1	6Y	170	ALA	C-N	-15.59	1.12	1.33
1	7I	170	ALA	C-N	-15.59	1.12	1.33
1	7U	170	ALA	C-N	-15.59	1.12	1.33
1	12	170	ALA	C-N	-15.58	1.12	1.33
1	16	170	ALA	C-N	-15.58	1.12	1.33
1	2A	170	ALA	C-N	-15.58	1.12	1.33
1	3Q	170	ALA	C-N	-15.58	1.12	1.33
1	3U	170	ALA	C-N	-15.58	1.12	1.33
1	3Y	170	ALA	C-N	-15.58	1.12	1.33
1	5E	170	ALA	C-N	-15.58	1.12	1.33
1	5I	170	ALA	C-N	-15.58	1.12	1.33
1	5M	170	ALA	C-N	-15.58	1.12	1.33
1	62	170	ALA	C-N	-15.58	1.12	1.33
1	66	170	ALA	C-N	-15.58	1.12	1.33
1	7A	170	ALA	C-N	-15.58	1.12	1.33
1	1A	169	ASP	C-N	-15.57	1.10	1.33
1	1I	169	ASP	C-N	-15.57	1.10	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1N	28	THR	C-O	15.57	1.44	1.24
1	2E	169	ASP	C-N	-15.57	1.10	1.33
2	2J	28	THR	C-O	15.57	1.44	1.24
1	26	169	ASP	C-N	-15.57	1.10	1.33
2	3B	28	THR	C-O	15.57	1.44	1.24
1	3E	169	ASP	C-N	-15.57	1.10	1.33
2	3J	28	THR	C-O	15.57	1.44	1.24
2	33	28	THR	C-O	15.57	1.44	1.24
1	4A	169	ASP	C-N	-15.57	1.10	1.33
2	4F	28	THR	C-O	15.57	1.44	1.24
1	4M	169	ASP	C-N	-15.57	1.10	1.33
1	4U	169	ASP	C-N	-15.57	1.10	1.33
2	4Z	28	THR	C-O	15.57	1.44	1.24
1	5Q	169	ASP	C-N	-15.57	1.10	1.33
2	5V	28	THR	C-O	15.57	1.44	1.24
1	6I	169	ASP	C-N	-15.57	1.10	1.33
2	6N	28	THR	C-O	15.57	1.44	1.24
1	6Q	169	ASP	C-N	-15.57	1.10	1.33
2	6V	28	THR	C-O	15.57	1.44	1.24
2	7F	28	THR	C-O	15.57	1.44	1.24
1	7M	169	ASP	C-N	-15.57	1.10	1.33
2	7R	28	THR	C-O	15.57	1.44	1.24
2	1N	42	HIS	CA-CB	-15.57	1.33	1.53
2	2J	42	HIS	CA-CB	-15.57	1.33	1.53
2	3B	42	HIS	CA-CB	-15.57	1.33	1.53
2	3J	42	HIS	CA-CB	-15.57	1.33	1.53
2	33	42	HIS	CA-CB	-15.57	1.33	1.53
2	4F	42	HIS	CA-CB	-15.57	1.33	1.53
2	4Z	42	HIS	CA-CB	-15.57	1.33	1.53
2	5V	42	HIS	CA-CB	-15.57	1.33	1.53
2	6N	42	HIS	CA-CB	-15.57	1.33	1.53
2	6V	42	HIS	CA-CB	-15.57	1.33	1.53
2	7F	42	HIS	CA-CB	-15.57	1.33	1.53
2	7R	42	HIS	CA-CB	-15.57	1.33	1.53
2	1B	52	ASP	CA-CB	15.57	1.76	1.53
2	1F	52	ASP	CA-CB	15.57	1.76	1.53
2	1J	52	ASP	CA-CB	15.57	1.76	1.53
2	1N	52	ASP	CA-CB	15.57	1.76	1.53
2	2F	52	ASP	CA-CB	15.57	1.76	1.53
2	2J	52	ASP	CA-CB	15.57	1.76	1.53
2	2N	52	ASP	CA-CB	15.57	1.76	1.53
2	23	52	ASP	CA-CB	15.57	1.76	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	27	52	ASP	CA-CB	15.57	1.76	1.53
2	3B	52	ASP	CA-CB	15.57	1.76	1.53
2	3F	52	ASP	CA-CB	15.57	1.76	1.53
2	3J	52	ASP	CA-CB	15.57	1.76	1.53
2	3N	52	ASP	CA-CB	15.57	1.76	1.53
2	33	52	ASP	CA-CB	15.57	1.76	1.53
2	37	52	ASP	CA-CB	15.57	1.76	1.53
2	4B	52	ASP	CA-CB	15.57	1.76	1.53
2	4F	52	ASP	CA-CB	15.57	1.76	1.53
2	4J	52	ASP	CA-CB	15.57	1.76	1.53
2	4N	52	ASP	CA-CB	15.57	1.76	1.53
2	4R	52	ASP	CA-CB	15.57	1.76	1.53
2	4V	52	ASP	CA-CB	15.57	1.76	1.53
2	4Z	52	ASP	CA-CB	15.57	1.76	1.53
2	5R	52	ASP	CA-CB	15.57	1.76	1.53
2	5V	52	ASP	CA-CB	15.57	1.76	1.53
2	5Z	52	ASP	CA-CB	15.57	1.76	1.53
2	6F	52	ASP	CA-CB	15.57	1.76	1.53
2	6J	52	ASP	CA-CB	15.57	1.76	1.53
2	6N	52	ASP	CA-CB	15.57	1.76	1.53
2	6R	52	ASP	CA-CB	15.57	1.76	1.53
2	6V	52	ASP	CA-CB	15.57	1.76	1.53
2	6Z	52	ASP	CA-CB	15.57	1.76	1.53
2	7F	52	ASP	CA-CB	15.57	1.76	1.53
2	7J	52	ASP	CA-CB	15.57	1.76	1.53
2	7N	52	ASP	CA-CB	15.57	1.76	1.53
2	7R	52	ASP	CA-CB	15.57	1.76	1.53
2	7V	52	ASP	CA-CB	15.57	1.76	1.53
1	1M	30	PHE	C-O	-15.57	1.03	1.23
2	1R	52	ASP	CA-CB	15.57	1.76	1.53
2	1V	52	ASP	CA-CB	15.57	1.76	1.53
2	1Z	52	ASP	CA-CB	15.57	1.76	1.53
2	13	52	ASP	CA-CB	15.57	1.76	1.53
2	17	52	ASP	CA-CB	15.57	1.76	1.53
2	2B	52	ASP	CA-CB	15.57	1.76	1.53
1	2I	30	PHE	C-O	-15.57	1.03	1.23
2	2R	52	ASP	CA-CB	15.57	1.76	1.53
2	2V	52	ASP	CA-CB	15.57	1.76	1.53
2	2Z	52	ASP	CA-CB	15.57	1.76	1.53
1	3A	30	PHE	C-O	-15.57	1.03	1.23
1	3I	30	PHE	C-O	-15.57	1.03	1.23
2	3R	52	ASP	CA-CB	15.57	1.76	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3V	52	ASP	CA-CB	15.57	1.76	1.53
2	3Z	52	ASP	CA-CB	15.57	1.76	1.53
1	32	30	PHE	C-O	-15.57	1.03	1.23
1	4E	30	PHE	C-O	-15.57	1.03	1.23
1	4Y	30	PHE	C-O	-15.57	1.03	1.23
2	43	52	ASP	CA-CB	15.57	1.76	1.53
2	47	52	ASP	CA-CB	15.57	1.76	1.53
2	5B	52	ASP	CA-CB	15.57	1.76	1.53
2	5F	52	ASP	CA-CB	15.57	1.76	1.53
2	5J	52	ASP	CA-CB	15.57	1.76	1.53
2	5N	52	ASP	CA-CB	15.57	1.76	1.53
1	5U	30	PHE	C-O	-15.57	1.03	1.23
2	53	52	ASP	CA-CB	15.57	1.76	1.53
2	57	52	ASP	CA-CB	15.57	1.76	1.53
2	6B	52	ASP	CA-CB	15.57	1.76	1.53
1	6M	30	PHE	C-O	-15.57	1.03	1.23
1	6U	30	PHE	C-O	-15.57	1.03	1.23
2	63	52	ASP	CA-CB	15.57	1.76	1.53
2	67	52	ASP	CA-CB	15.57	1.76	1.53
2	7B	52	ASP	CA-CB	15.57	1.76	1.53
1	7E	30	PHE	C-O	-15.57	1.03	1.23
1	7Q	30	PHE	C-O	-15.57	1.03	1.23
1	1A	170	ALA	C-N	-15.56	1.12	1.33
1	1I	170	ALA	C-N	-15.56	1.12	1.33
2	13	42	HIS	CA-CB	-15.55	1.33	1.53
2	17	42	HIS	CA-CB	-15.55	1.33	1.53
2	2B	42	HIS	CA-CB	-15.55	1.33	1.53
1	2E	170	ALA	C-N	-15.56	1.12	1.33
1	26	170	ALA	C-N	-15.56	1.12	1.33
1	3E	170	ALA	C-N	-15.56	1.12	1.33
2	3R	42	HIS	CA-CB	-15.55	1.33	1.53
2	3V	42	HIS	CA-CB	-15.55	1.33	1.53
2	3Z	42	HIS	CA-CB	-15.55	1.33	1.53
1	4A	170	ALA	C-N	-15.56	1.12	1.33
1	4M	170	ALA	C-N	-15.56	1.12	1.33
1	4U	170	ALA	C-N	-15.56	1.12	1.33
2	5F	42	HIS	CA-CB	-15.55	1.33	1.53
2	5J	42	HIS	CA-CB	-15.55	1.33	1.53
2	5N	42	HIS	CA-CB	-15.55	1.33	1.53
1	5Q	170	ALA	C-N	-15.56	1.12	1.33
1	6I	170	ALA	C-N	-15.56	1.12	1.33
1	6Q	170	ALA	C-N	-15.56	1.12	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	63	42	HIS	CA-CB	-15.55	1.33	1.53
2	67	42	HIS	CA-CB	-15.55	1.33	1.53
2	7B	42	HIS	CA-CB	-15.55	1.33	1.53
1	7M	170	ALA	C-N	-15.56	1.12	1.33
1	1Q	30	PHE	C-O	-15.55	1.03	1.23
1	1U	30	PHE	C-O	-15.55	1.03	1.23
1	1Y	30	PHE	C-O	-15.55	1.03	1.23
1	2Q	30	PHE	C-O	-15.55	1.03	1.23
1	2U	30	PHE	C-O	-15.55	1.03	1.23
1	2Y	30	PHE	C-O	-15.55	1.03	1.23
1	42	30	PHE	C-O	-15.55	1.03	1.23
1	46	30	PHE	C-O	-15.55	1.03	1.23
1	5A	30	PHE	C-O	-15.55	1.03	1.23
1	52	30	PHE	C-O	-15.55	1.03	1.23
1	56	30	PHE	C-O	-15.55	1.03	1.23
1	6A	30	PHE	C-O	-15.55	1.03	1.23
2	1B	28	THR	C-O	15.55	1.44	1.24
2	1F	28	THR	C-O	15.55	1.44	1.24
2	1J	28	THR	C-O	15.55	1.44	1.24
2	2F	28	THR	C-O	15.55	1.44	1.24
2	2N	28	THR	C-O	15.55	1.44	1.24
2	23	28	THR	C-O	15.55	1.44	1.24
2	27	28	THR	C-O	15.55	1.44	1.24
2	3F	28	THR	C-O	15.55	1.44	1.24
2	3N	28	THR	C-O	15.55	1.44	1.24
2	37	28	THR	C-O	15.55	1.44	1.24
2	4B	28	THR	C-O	15.55	1.44	1.24
2	4J	28	THR	C-O	15.55	1.44	1.24
2	4N	28	THR	C-O	15.55	1.44	1.24
2	4R	28	THR	C-O	15.55	1.44	1.24
2	4V	28	THR	C-O	15.55	1.44	1.24
2	5R	28	THR	C-O	15.55	1.44	1.24
2	5Z	28	THR	C-O	15.55	1.44	1.24
2	6F	28	THR	C-O	15.55	1.44	1.24
2	6J	28	THR	C-O	15.55	1.44	1.24
2	6R	28	THR	C-O	15.55	1.44	1.24
2	6Z	28	THR	C-O	15.55	1.44	1.24
2	7J	28	THR	C-O	15.55	1.44	1.24
2	7N	28	THR	C-O	15.55	1.44	1.24
2	7V	28	THR	C-O	15.55	1.44	1.24
1	1A	30	PHE	C-O	-15.54	1.03	1.23
1	1I	30	PHE	C-O	-15.54	1.03	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	30	PHE	C-O	-15.54	1.03	1.23
1	26	30	PHE	C-O	-15.54	1.03	1.23
1	3E	30	PHE	C-O	-15.54	1.03	1.23
1	4A	30	PHE	C-O	-15.54	1.03	1.23
1	4M	30	PHE	C-O	-15.54	1.03	1.23
1	4U	30	PHE	C-O	-15.54	1.03	1.23
1	5Q	30	PHE	C-O	-15.54	1.03	1.23
1	6I	30	PHE	C-O	-15.54	1.03	1.23
1	6Q	30	PHE	C-O	-15.54	1.03	1.23
1	7M	30	PHE	C-O	-15.54	1.03	1.23
2	1B	42	HIS	CA-CB	-15.54	1.33	1.53
2	1J	42	HIS	CA-CB	-15.54	1.33	1.53
2	2F	42	HIS	CA-CB	-15.54	1.33	1.53
2	27	42	HIS	CA-CB	-15.54	1.33	1.53
2	3F	42	HIS	CA-CB	-15.54	1.33	1.53
2	4B	42	HIS	CA-CB	-15.54	1.33	1.53
2	4N	42	HIS	CA-CB	-15.54	1.33	1.53
2	4V	42	HIS	CA-CB	-15.54	1.33	1.53
2	5R	42	HIS	CA-CB	-15.54	1.33	1.53
2	6J	42	HIS	CA-CB	-15.54	1.33	1.53
2	6R	42	HIS	CA-CB	-15.54	1.33	1.53
2	7N	42	HIS	CA-CB	-15.54	1.33	1.53
2	1F	42	HIS	CA-CB	-15.53	1.33	1.53
2	2N	42	HIS	CA-CB	-15.53	1.33	1.53
2	23	42	HIS	CA-CB	-15.53	1.33	1.53
2	3N	42	HIS	CA-CB	-15.53	1.33	1.53
2	37	42	HIS	CA-CB	-15.53	1.33	1.53
2	4J	42	HIS	CA-CB	-15.53	1.33	1.53
2	4R	42	HIS	CA-CB	-15.53	1.33	1.53
2	5Z	42	HIS	CA-CB	-15.53	1.33	1.53
2	6F	42	HIS	CA-CB	-15.53	1.33	1.53
2	6Z	42	HIS	CA-CB	-15.53	1.33	1.53
2	7J	42	HIS	CA-CB	-15.53	1.33	1.53
2	7V	42	HIS	CA-CB	-15.53	1.33	1.53
1	1E	30	PHE	C-O	-15.52	1.03	1.23
1	2M	30	PHE	C-O	-15.52	1.03	1.23
1	22	30	PHE	C-O	-15.52	1.03	1.23
1	3M	30	PHE	C-O	-15.52	1.03	1.23
1	36	30	PHE	C-O	-15.52	1.03	1.23
1	4I	30	PHE	C-O	-15.52	1.03	1.23
1	4Q	30	PHE	C-O	-15.52	1.03	1.23
1	5Y	30	PHE	C-O	-15.52	1.03	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	30	PHE	C-O	-15.52	1.03	1.23
1	6Y	30	PHE	C-O	-15.52	1.03	1.23
1	7I	30	PHE	C-O	-15.52	1.03	1.23
1	7U	30	PHE	C-O	-15.52	1.03	1.23
1	1A	89	PHE	CD2-CE2	15.52	1.85	1.38
1	1I	89	PHE	CD2-CE2	15.52	1.85	1.38
1	2E	89	PHE	CD2-CE2	15.52	1.85	1.38
1	26	89	PHE	CD2-CE2	15.52	1.85	1.38
1	3E	89	PHE	CD2-CE2	15.52	1.85	1.38
1	4A	89	PHE	CD2-CE2	15.52	1.85	1.38
1	4M	89	PHE	CD2-CE2	15.52	1.85	1.38
1	4U	89	PHE	CD2-CE2	15.52	1.85	1.38
1	5Q	89	PHE	CD2-CE2	15.52	1.85	1.38
1	6I	89	PHE	CD2-CE2	15.52	1.85	1.38
1	6Q	89	PHE	CD2-CE2	15.52	1.85	1.38
1	7M	89	PHE	CD2-CE2	15.52	1.85	1.38
1	1E	89	PHE	CD2-CE2	15.51	1.85	1.38
1	12	89	PHE	CD2-CE2	15.51	1.85	1.38
1	16	89	PHE	CD2-CE2	15.51	1.85	1.38
1	2A	89	PHE	CD2-CE2	15.51	1.85	1.38
1	2M	89	PHE	CD2-CE2	15.51	1.85	1.38
1	22	89	PHE	CD2-CE2	15.51	1.85	1.38
1	3M	89	PHE	CD2-CE2	15.51	1.85	1.38
1	3Q	89	PHE	CD2-CE2	15.51	1.85	1.38
1	3U	89	PHE	CD2-CE2	15.51	1.85	1.38
1	3Y	89	PHE	CD2-CE2	15.51	1.85	1.38
1	36	89	PHE	CD2-CE2	15.51	1.85	1.38
1	4I	89	PHE	CD2-CE2	15.51	1.85	1.38
1	4Q	89	PHE	CD2-CE2	15.51	1.85	1.38
1	5E	89	PHE	CD2-CE2	15.51	1.85	1.38
1	5I	89	PHE	CD2-CE2	15.51	1.85	1.38
1	5M	89	PHE	CD2-CE2	15.51	1.85	1.38
1	5Y	89	PHE	CD2-CE2	15.51	1.85	1.38
1	6E	89	PHE	CD2-CE2	15.51	1.85	1.38
1	6Y	89	PHE	CD2-CE2	15.51	1.85	1.38
1	62	89	PHE	CD2-CE2	15.51	1.85	1.38
1	66	89	PHE	CD2-CE2	15.51	1.85	1.38
1	7A	89	PHE	CD2-CE2	15.51	1.85	1.38
1	7I	89	PHE	CD2-CE2	15.51	1.85	1.38
1	7U	89	PHE	CD2-CE2	15.51	1.85	1.38
2	1R	28	THR	C-O	15.51	1.44	1.24
2	1V	28	THR	C-O	15.51	1.44	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	28	THR	C-O	15.51	1.44	1.24
2	2R	28	THR	C-O	15.51	1.44	1.24
2	2V	28	THR	C-O	15.51	1.44	1.24
2	2Z	28	THR	C-O	15.51	1.44	1.24
2	43	28	THR	C-O	15.51	1.44	1.24
2	47	28	THR	C-O	15.51	1.44	1.24
2	5B	28	THR	C-O	15.51	1.44	1.24
2	53	28	THR	C-O	15.51	1.44	1.24
2	57	28	THR	C-O	15.51	1.44	1.24
2	6B	28	THR	C-O	15.51	1.44	1.24
1	1M	89	PHE	CD2-CE2	15.51	1.85	1.38
1	1Q	89	PHE	CD2-CE2	15.51	1.85	1.38
1	1U	89	PHE	CD2-CE2	15.51	1.85	1.38
1	1Y	89	PHE	CD2-CE2	15.51	1.85	1.38
1	2I	89	PHE	CD2-CE2	15.51	1.85	1.38
1	2Q	89	PHE	CD2-CE2	15.51	1.85	1.38
1	2U	89	PHE	CD2-CE2	15.51	1.85	1.38
1	2Y	89	PHE	CD2-CE2	15.51	1.85	1.38
1	3A	89	PHE	CD2-CE2	15.51	1.85	1.38
1	3I	89	PHE	CD2-CE2	15.51	1.85	1.38
1	32	89	PHE	CD2-CE2	15.51	1.85	1.38
1	4E	89	PHE	CD2-CE2	15.51	1.85	1.38
1	4Y	89	PHE	CD2-CE2	15.51	1.85	1.38
1	42	89	PHE	CD2-CE2	15.51	1.85	1.38
1	46	89	PHE	CD2-CE2	15.51	1.85	1.38
1	5A	89	PHE	CD2-CE2	15.51	1.85	1.38
1	5U	89	PHE	CD2-CE2	15.51	1.85	1.38
1	52	89	PHE	CD2-CE2	15.51	1.85	1.38
1	56	89	PHE	CD2-CE2	15.51	1.85	1.38
1	6A	89	PHE	CD2-CE2	15.51	1.85	1.38
1	6M	89	PHE	CD2-CE2	15.51	1.85	1.38
1	6U	89	PHE	CD2-CE2	15.51	1.85	1.38
1	7E	89	PHE	CD2-CE2	15.51	1.85	1.38
1	7Q	89	PHE	CD2-CE2	15.51	1.85	1.38
1	12	30	PHE	C-O	-15.50	1.03	1.23
1	16	30	PHE	C-O	-15.50	1.03	1.23
1	2A	30	PHE	C-O	-15.50	1.03	1.23
1	3Q	30	PHE	C-O	-15.50	1.03	1.23
1	3U	30	PHE	C-O	-15.50	1.03	1.23
1	3Y	30	PHE	C-O	-15.50	1.03	1.23
1	5E	30	PHE	C-O	-15.50	1.03	1.23
1	5I	30	PHE	C-O	-15.50	1.03	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	30	PHE	C-O	-15.50	1.03	1.23
1	62	30	PHE	C-O	-15.50	1.03	1.23
1	66	30	PHE	C-O	-15.50	1.03	1.23
1	7A	30	PHE	C-O	-15.50	1.03	1.23
2	13	28	THR	C-O	15.50	1.44	1.24
2	17	28	THR	C-O	15.50	1.44	1.24
2	2B	28	THR	C-O	15.50	1.44	1.24
2	3R	28	THR	C-O	15.50	1.44	1.24
2	3V	28	THR	C-O	15.50	1.44	1.24
2	3Z	28	THR	C-O	15.50	1.44	1.24
2	5F	28	THR	C-O	15.50	1.44	1.24
2	5J	28	THR	C-O	15.50	1.44	1.24
2	5N	28	THR	C-O	15.50	1.44	1.24
2	63	28	THR	C-O	15.50	1.44	1.24
2	67	28	THR	C-O	15.50	1.44	1.24
2	7B	28	THR	C-O	15.50	1.44	1.24
2	1R	42	HIS	CA-CB	-15.49	1.33	1.53
2	1V	42	HIS	CA-CB	-15.49	1.33	1.53
2	1Z	42	HIS	CA-CB	-15.49	1.33	1.53
2	2R	42	HIS	CA-CB	-15.49	1.33	1.53
2	2V	42	HIS	CA-CB	-15.49	1.33	1.53
2	2Z	42	HIS	CA-CB	-15.49	1.33	1.53
2	43	42	HIS	CA-CB	-15.49	1.33	1.53
2	47	42	HIS	CA-CB	-15.49	1.33	1.53
2	5B	42	HIS	CA-CB	-15.49	1.33	1.53
2	53	42	HIS	CA-CB	-15.49	1.33	1.53
2	57	42	HIS	CA-CB	-15.49	1.33	1.53
2	6B	42	HIS	CA-CB	-15.49	1.33	1.53
1	1A	50	ARG	N-CA	-15.48	1.26	1.46
1	1I	50	ARG	N-CA	-15.48	1.26	1.46
1	1M	50	ARG	N-CA	-15.48	1.26	1.46
1	2E	50	ARG	N-CA	-15.48	1.26	1.46
1	2I	50	ARG	N-CA	-15.48	1.26	1.46
1	26	50	ARG	N-CA	-15.48	1.26	1.46
1	3A	50	ARG	N-CA	-15.48	1.26	1.46
1	3E	50	ARG	N-CA	-15.48	1.26	1.46
1	3I	50	ARG	N-CA	-15.48	1.26	1.46
1	32	50	ARG	N-CA	-15.48	1.26	1.46
1	4A	50	ARG	N-CA	-15.48	1.26	1.46
1	4E	50	ARG	N-CA	-15.48	1.26	1.46
1	4M	50	ARG	N-CA	-15.48	1.26	1.46
1	4U	50	ARG	N-CA	-15.48	1.26	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4Y	50	ARG	N-CA	-15.48	1.26	1.46
1	5Q	50	ARG	N-CA	-15.48	1.26	1.46
1	5U	50	ARG	N-CA	-15.48	1.26	1.46
1	6I	50	ARG	N-CA	-15.48	1.26	1.46
1	6M	50	ARG	N-CA	-15.48	1.26	1.46
1	6Q	50	ARG	N-CA	-15.48	1.26	1.46
1	6U	50	ARG	N-CA	-15.48	1.26	1.46
1	7E	50	ARG	N-CA	-15.48	1.26	1.46
1	7M	50	ARG	N-CA	-15.48	1.26	1.46
1	7Q	50	ARG	N-CA	-15.48	1.26	1.46
2	1B	59	VAL	CB-CG1	15.47	2.03	1.52
2	1J	59	VAL	CB-CG1	15.47	2.03	1.52
2	2F	59	VAL	CB-CG1	15.47	2.03	1.52
2	27	59	VAL	CB-CG1	15.47	2.03	1.52
2	3F	59	VAL	CB-CG1	15.47	2.03	1.52
2	4B	59	VAL	CB-CG1	15.47	2.03	1.52
2	4N	59	VAL	CB-CG1	15.47	2.03	1.52
2	4V	59	VAL	CB-CG1	15.47	2.03	1.52
2	5R	59	VAL	CB-CG1	15.47	2.03	1.52
2	6J	59	VAL	CB-CG1	15.47	2.03	1.52
2	6R	59	VAL	CB-CG1	15.47	2.03	1.52
2	7N	59	VAL	CB-CG1	15.47	2.03	1.52
2	1N	59	VAL	CB-CG1	15.46	2.03	1.52
2	2J	59	VAL	CB-CG1	15.46	2.03	1.52
2	3B	59	VAL	CB-CG1	15.46	2.03	1.52
2	3J	59	VAL	CB-CG1	15.46	2.03	1.52
2	33	59	VAL	CB-CG1	15.46	2.03	1.52
2	4F	59	VAL	CB-CG1	15.46	2.03	1.52
2	4Z	59	VAL	CB-CG1	15.46	2.03	1.52
2	5V	59	VAL	CB-CG1	15.46	2.03	1.52
2	6N	59	VAL	CB-CG1	15.46	2.03	1.52
2	6V	59	VAL	CB-CG1	15.46	2.03	1.52
2	7F	59	VAL	CB-CG1	15.46	2.03	1.52
2	7R	59	VAL	CB-CG1	15.46	2.03	1.52
2	1F	59	VAL	CB-CG1	15.46	2.03	1.52
2	1R	59	VAL	CB-CG1	15.46	2.03	1.52
2	1V	59	VAL	CB-CG1	15.46	2.03	1.52
2	1Z	59	VAL	CB-CG1	15.46	2.03	1.52
2	2N	59	VAL	CB-CG1	15.46	2.03	1.52
2	2R	59	VAL	CB-CG1	15.46	2.03	1.52
2	2V	59	VAL	CB-CG1	15.46	2.03	1.52
2	2Z	59	VAL	CB-CG1	15.46	2.03	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	59	VAL	CB-CG1	15.46	2.03	1.52
2	3N	59	VAL	CB-CG1	15.46	2.03	1.52
2	37	59	VAL	CB-CG1	15.46	2.03	1.52
2	4J	59	VAL	CB-CG1	15.46	2.03	1.52
2	4R	59	VAL	CB-CG1	15.46	2.03	1.52
2	43	59	VAL	CB-CG1	15.46	2.03	1.52
2	47	59	VAL	CB-CG1	15.46	2.03	1.52
2	5B	59	VAL	CB-CG1	15.46	2.03	1.52
2	5Z	59	VAL	CB-CG1	15.46	2.03	1.52
2	53	59	VAL	CB-CG1	15.46	2.03	1.52
2	57	59	VAL	CB-CG1	15.46	2.03	1.52
2	6B	59	VAL	CB-CG1	15.46	2.03	1.52
2	6F	59	VAL	CB-CG1	15.46	2.03	1.52
2	6Z	59	VAL	CB-CG1	15.46	2.03	1.52
2	7J	59	VAL	CB-CG1	15.46	2.03	1.52
2	7V	59	VAL	CB-CG1	15.46	2.03	1.52
2	13	59	VAL	CB-CG1	15.45	2.03	1.52
2	17	59	VAL	CB-CG1	15.45	2.03	1.52
2	2B	59	VAL	CB-CG1	15.45	2.03	1.52
2	3R	59	VAL	CB-CG1	15.45	2.03	1.52
2	3V	59	VAL	CB-CG1	15.45	2.03	1.52
2	3Z	59	VAL	CB-CG1	15.45	2.03	1.52
2	5F	59	VAL	CB-CG1	15.45	2.03	1.52
2	5J	59	VAL	CB-CG1	15.45	2.03	1.52
2	5N	59	VAL	CB-CG1	15.45	2.03	1.52
2	63	59	VAL	CB-CG1	15.45	2.03	1.52
2	67	59	VAL	CB-CG1	15.45	2.03	1.52
2	7B	59	VAL	CB-CG1	15.45	2.03	1.52
1	12	50	ARG	N-CA	-15.45	1.26	1.46
1	16	50	ARG	N-CA	-15.45	1.26	1.46
1	2A	50	ARG	N-CA	-15.45	1.26	1.46
1	3Q	50	ARG	N-CA	-15.45	1.26	1.46
1	3U	50	ARG	N-CA	-15.45	1.26	1.46
1	3Y	50	ARG	N-CA	-15.45	1.26	1.46
1	5E	50	ARG	N-CA	-15.45	1.26	1.46
1	5I	50	ARG	N-CA	-15.45	1.26	1.46
1	5M	50	ARG	N-CA	-15.45	1.26	1.46
1	62	50	ARG	N-CA	-15.45	1.26	1.46
1	66	50	ARG	N-CA	-15.45	1.26	1.46
1	7A	50	ARG	N-CA	-15.45	1.26	1.46
1	1Q	50	ARG	N-CA	-15.44	1.26	1.46
1	1U	50	ARG	N-CA	-15.44	1.26	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	50	ARG	N-CA	-15.44	1.26	1.46
1	2Q	50	ARG	N-CA	-15.44	1.26	1.46
1	2U	50	ARG	N-CA	-15.44	1.26	1.46
1	2Y	50	ARG	N-CA	-15.44	1.26	1.46
1	42	50	ARG	N-CA	-15.44	1.26	1.46
1	46	50	ARG	N-CA	-15.44	1.26	1.46
1	5A	50	ARG	N-CA	-15.44	1.26	1.46
1	52	50	ARG	N-CA	-15.44	1.26	1.46
1	56	50	ARG	N-CA	-15.44	1.26	1.46
1	6A	50	ARG	N-CA	-15.44	1.26	1.46
1	1E	50	ARG	N-CA	-15.43	1.26	1.46
1	2M	50	ARG	N-CA	-15.43	1.26	1.46
1	22	50	ARG	N-CA	-15.43	1.26	1.46
1	3M	50	ARG	N-CA	-15.43	1.26	1.46
1	36	50	ARG	N-CA	-15.43	1.26	1.46
1	4I	50	ARG	N-CA	-15.43	1.26	1.46
1	4Q	50	ARG	N-CA	-15.43	1.26	1.46
1	5Y	50	ARG	N-CA	-15.43	1.26	1.46
1	6E	50	ARG	N-CA	-15.43	1.26	1.46
1	6Y	50	ARG	N-CA	-15.43	1.26	1.46
1	7I	50	ARG	N-CA	-15.43	1.26	1.46
1	7U	50	ARG	N-CA	-15.43	1.26	1.46
2	1B	27	PRO	N-CD	15.43	1.69	1.47
2	1J	27	PRO	N-CD	15.43	1.69	1.47
2	2F	27	PRO	N-CD	15.43	1.69	1.47
2	27	27	PRO	N-CD	15.43	1.69	1.47
2	3F	27	PRO	N-CD	15.43	1.69	1.47
2	4B	27	PRO	N-CD	15.43	1.69	1.47
2	4N	27	PRO	N-CD	15.43	1.69	1.47
2	4V	27	PRO	N-CD	15.43	1.69	1.47
2	5R	27	PRO	N-CD	15.43	1.69	1.47
2	6J	27	PRO	N-CD	15.43	1.69	1.47
2	6R	27	PRO	N-CD	15.43	1.69	1.47
2	7N	27	PRO	N-CD	15.43	1.69	1.47
2	1N	27	PRO	N-CD	15.42	1.69	1.47
2	2J	27	PRO	N-CD	15.42	1.69	1.47
2	3B	27	PRO	N-CD	15.42	1.69	1.47
2	3J	27	PRO	N-CD	15.42	1.69	1.47
2	33	27	PRO	N-CD	15.42	1.69	1.47
2	4F	27	PRO	N-CD	15.42	1.69	1.47
2	4Z	27	PRO	N-CD	15.42	1.69	1.47
2	5V	27	PRO	N-CD	15.42	1.69	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	27	PRO	N-CD	15.42	1.69	1.47
2	6V	27	PRO	N-CD	15.42	1.69	1.47
2	7F	27	PRO	N-CD	15.42	1.69	1.47
2	7R	27	PRO	N-CD	15.42	1.69	1.47
2	13	27	PRO	N-CD	15.41	1.69	1.47
2	17	27	PRO	N-CD	15.41	1.69	1.47
2	2B	27	PRO	N-CD	15.41	1.69	1.47
2	3R	27	PRO	N-CD	15.41	1.69	1.47
2	3V	27	PRO	N-CD	15.41	1.69	1.47
2	3Z	27	PRO	N-CD	15.41	1.69	1.47
2	5F	27	PRO	N-CD	15.41	1.69	1.47
2	5J	27	PRO	N-CD	15.41	1.69	1.47
2	5N	27	PRO	N-CD	15.41	1.69	1.47
2	63	27	PRO	N-CD	15.41	1.69	1.47
2	67	27	PRO	N-CD	15.41	1.69	1.47
2	7B	27	PRO	N-CD	15.41	1.69	1.47
2	1R	27	PRO	N-CD	15.41	1.69	1.47
2	1V	27	PRO	N-CD	15.41	1.69	1.47
2	1Z	27	PRO	N-CD	15.41	1.69	1.47
2	2R	27	PRO	N-CD	15.41	1.69	1.47
2	2V	27	PRO	N-CD	15.41	1.69	1.47
2	2Z	27	PRO	N-CD	15.41	1.69	1.47
2	43	27	PRO	N-CD	15.41	1.69	1.47
2	47	27	PRO	N-CD	15.41	1.69	1.47
2	5B	27	PRO	N-CD	15.41	1.69	1.47
2	53	27	PRO	N-CD	15.41	1.69	1.47
2	57	27	PRO	N-CD	15.41	1.69	1.47
2	6B	27	PRO	N-CD	15.41	1.69	1.47
2	1B	217	PRO	C-N	-15.41	1.12	1.33
2	1J	217	PRO	C-N	-15.41	1.12	1.33
2	2F	217	PRO	C-N	-15.41	1.12	1.33
2	27	217	PRO	C-N	-15.41	1.12	1.33
2	3F	217	PRO	C-N	-15.41	1.12	1.33
2	4B	217	PRO	C-N	-15.41	1.12	1.33
2	4N	217	PRO	C-N	-15.41	1.12	1.33
2	4V	217	PRO	C-N	-15.41	1.12	1.33
2	5R	217	PRO	C-N	-15.41	1.12	1.33
2	6J	217	PRO	C-N	-15.41	1.12	1.33
2	6R	217	PRO	C-N	-15.41	1.12	1.33
2	7N	217	PRO	C-N	-15.41	1.12	1.33
2	1F	27	PRO	N-CD	15.40	1.69	1.47
2	2N	27	PRO	N-CD	15.40	1.69	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	27	PRO	N-CD	15.40	1.69	1.47
2	3N	27	PRO	N-CD	15.40	1.69	1.47
2	37	27	PRO	N-CD	15.40	1.69	1.47
2	4J	27	PRO	N-CD	15.40	1.69	1.47
2	4R	27	PRO	N-CD	15.40	1.69	1.47
2	5Z	27	PRO	N-CD	15.40	1.69	1.47
2	6F	27	PRO	N-CD	15.40	1.69	1.47
2	6Z	27	PRO	N-CD	15.40	1.69	1.47
2	7J	27	PRO	N-CD	15.40	1.69	1.47
2	7V	27	PRO	N-CD	15.40	1.69	1.47
1	12	52	PHE	CG-CD2	-15.38	1.06	1.38
1	16	52	PHE	CG-CD2	-15.38	1.06	1.38
1	2A	52	PHE	CG-CD2	-15.38	1.06	1.38
1	3Q	52	PHE	CG-CD2	-15.38	1.06	1.38
1	3U	52	PHE	CG-CD2	-15.38	1.06	1.38
1	3Y	52	PHE	CG-CD2	-15.38	1.06	1.38
1	5E	52	PHE	CG-CD2	-15.38	1.06	1.38
1	5I	52	PHE	CG-CD2	-15.38	1.06	1.38
1	5M	52	PHE	CG-CD2	-15.38	1.06	1.38
1	62	52	PHE	CG-CD2	-15.38	1.06	1.38
1	66	52	PHE	CG-CD2	-15.38	1.06	1.38
1	7A	52	PHE	CG-CD2	-15.38	1.06	1.38
2	1R	217	PRO	C-N	-15.38	1.12	1.33
2	1V	217	PRO	C-N	-15.38	1.12	1.33
2	1Z	217	PRO	C-N	-15.38	1.12	1.33
2	2R	217	PRO	C-N	-15.38	1.12	1.33
2	2V	217	PRO	C-N	-15.38	1.12	1.33
2	2Z	217	PRO	C-N	-15.38	1.12	1.33
2	43	217	PRO	C-N	-15.38	1.12	1.33
2	47	217	PRO	C-N	-15.38	1.12	1.33
2	5B	217	PRO	C-N	-15.38	1.12	1.33
2	53	217	PRO	C-N	-15.38	1.12	1.33
2	57	217	PRO	C-N	-15.38	1.12	1.33
2	6B	217	PRO	C-N	-15.38	1.12	1.33
2	1F	217	PRO	C-N	-15.37	1.12	1.33
2	2N	217	PRO	C-N	-15.37	1.12	1.33
2	23	217	PRO	C-N	-15.37	1.12	1.33
2	3N	217	PRO	C-N	-15.37	1.12	1.33
2	37	217	PRO	C-N	-15.37	1.12	1.33
2	4J	217	PRO	C-N	-15.37	1.12	1.33
2	4R	217	PRO	C-N	-15.37	1.12	1.33
2	5Z	217	PRO	C-N	-15.37	1.12	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	217	PRO	C-N	-15.37	1.12	1.33
2	6Z	217	PRO	C-N	-15.37	1.12	1.33
2	7J	217	PRO	C-N	-15.37	1.12	1.33
2	7V	217	PRO	C-N	-15.37	1.12	1.33
1	1E	52	PHE	CG-CD2	-15.37	1.06	1.38
2	1N	217	PRO	C-N	-15.37	1.12	1.33
2	2J	217	PRO	C-N	-15.37	1.12	1.33
1	2M	52	PHE	CG-CD2	-15.37	1.06	1.38
1	22	52	PHE	CG-CD2	-15.37	1.06	1.38
2	3B	217	PRO	C-N	-15.37	1.12	1.33
2	3J	217	PRO	C-N	-15.37	1.12	1.33
1	3M	52	PHE	CG-CD2	-15.37	1.06	1.38
2	33	217	PRO	C-N	-15.37	1.12	1.33
1	36	52	PHE	CG-CD2	-15.37	1.06	1.38
2	4F	217	PRO	C-N	-15.37	1.12	1.33
1	4I	52	PHE	CG-CD2	-15.37	1.06	1.38
1	4Q	52	PHE	CG-CD2	-15.37	1.06	1.38
2	4Z	217	PRO	C-N	-15.37	1.12	1.33
2	5V	217	PRO	C-N	-15.37	1.12	1.33
1	5Y	52	PHE	CG-CD2	-15.37	1.06	1.38
1	6E	52	PHE	CG-CD2	-15.37	1.06	1.38
2	6N	217	PRO	C-N	-15.37	1.12	1.33
2	6V	217	PRO	C-N	-15.37	1.12	1.33
1	6Y	52	PHE	CG-CD2	-15.37	1.06	1.38
2	7F	217	PRO	C-N	-15.37	1.12	1.33
1	7I	52	PHE	CG-CD2	-15.37	1.06	1.38
2	7R	217	PRO	C-N	-15.37	1.12	1.33
1	7U	52	PHE	CG-CD2	-15.37	1.06	1.38
2	13	217	PRO	C-N	-15.36	1.12	1.33
2	17	217	PRO	C-N	-15.36	1.12	1.33
2	2B	217	PRO	C-N	-15.36	1.12	1.33
2	3R	217	PRO	C-N	-15.36	1.12	1.33
2	3V	217	PRO	C-N	-15.36	1.12	1.33
2	3Z	217	PRO	C-N	-15.36	1.12	1.33
2	5F	217	PRO	C-N	-15.36	1.12	1.33
2	5J	217	PRO	C-N	-15.36	1.12	1.33
2	5N	217	PRO	C-N	-15.36	1.12	1.33
2	63	217	PRO	C-N	-15.36	1.12	1.33
2	67	217	PRO	C-N	-15.36	1.12	1.33
2	7B	217	PRO	C-N	-15.36	1.12	1.33
1	1M	52	PHE	CG-CD2	-15.36	1.06	1.38
1	2I	52	PHE	CG-CD2	-15.36	1.06	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	52	PHE	CG-CD2	-15.36	1.06	1.38
1	3I	52	PHE	CG-CD2	-15.36	1.06	1.38
1	32	52	PHE	CG-CD2	-15.36	1.06	1.38
1	4E	52	PHE	CG-CD2	-15.36	1.06	1.38
1	4Y	52	PHE	CG-CD2	-15.36	1.06	1.38
1	5U	52	PHE	CG-CD2	-15.36	1.06	1.38
1	6M	52	PHE	CG-CD2	-15.36	1.06	1.38
1	6U	52	PHE	CG-CD2	-15.36	1.06	1.38
1	7E	52	PHE	CG-CD2	-15.36	1.06	1.38
1	7Q	52	PHE	CG-CD2	-15.36	1.06	1.38
1	1A	52	PHE	CG-CD2	-15.36	1.06	1.38
1	1I	52	PHE	CG-CD2	-15.36	1.06	1.38
1	2E	52	PHE	CG-CD2	-15.36	1.06	1.38
1	26	52	PHE	CG-CD2	-15.36	1.06	1.38
1	3E	52	PHE	CG-CD2	-15.36	1.06	1.38
1	4A	52	PHE	CG-CD2	-15.36	1.06	1.38
1	4M	52	PHE	CG-CD2	-15.36	1.06	1.38
1	4U	52	PHE	CG-CD2	-15.36	1.06	1.38
1	5Q	52	PHE	CG-CD2	-15.36	1.06	1.38
1	6I	52	PHE	CG-CD2	-15.36	1.06	1.38
1	6Q	52	PHE	CG-CD2	-15.36	1.06	1.38
1	7M	52	PHE	CG-CD2	-15.36	1.06	1.38
1	1Q	52	PHE	CG-CD2	-15.33	1.06	1.38
1	1U	52	PHE	CG-CD2	-15.33	1.06	1.38
1	1Y	52	PHE	CG-CD2	-15.33	1.06	1.38
1	2Q	52	PHE	CG-CD2	-15.33	1.06	1.38
1	2U	52	PHE	CG-CD2	-15.33	1.06	1.38
1	2Y	52	PHE	CG-CD2	-15.33	1.06	1.38
1	42	52	PHE	CG-CD2	-15.33	1.06	1.38
1	46	52	PHE	CG-CD2	-15.33	1.06	1.38
1	5A	52	PHE	CG-CD2	-15.33	1.06	1.38
1	52	52	PHE	CG-CD2	-15.33	1.06	1.38
1	56	52	PHE	CG-CD2	-15.33	1.06	1.38
1	6A	52	PHE	CG-CD2	-15.33	1.06	1.38
1	12	96	ASP	CG-OD1	15.32	1.54	1.25
1	16	96	ASP	CG-OD1	15.32	1.54	1.25
1	2A	96	ASP	CG-OD1	15.32	1.54	1.25
1	3Q	96	ASP	CG-OD1	15.32	1.54	1.25
1	3U	96	ASP	CG-OD1	15.32	1.54	1.25
1	3Y	96	ASP	CG-OD1	15.32	1.54	1.25
1	5E	96	ASP	CG-OD1	15.32	1.54	1.25
1	5I	96	ASP	CG-OD1	15.32	1.54	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	96	ASP	CG-OD1	15.32	1.54	1.25
1	62	96	ASP	CG-OD1	15.32	1.54	1.25
1	66	96	ASP	CG-OD1	15.32	1.54	1.25
1	7A	96	ASP	CG-OD1	15.32	1.54	1.25
1	1E	96	ASP	CG-OD1	15.32	1.54	1.25
1	2M	96	ASP	CG-OD1	15.32	1.54	1.25
1	22	96	ASP	CG-OD1	15.32	1.54	1.25
1	3M	96	ASP	CG-OD1	15.32	1.54	1.25
1	36	96	ASP	CG-OD1	15.32	1.54	1.25
1	4I	96	ASP	CG-OD1	15.32	1.54	1.25
1	4Q	96	ASP	CG-OD1	15.32	1.54	1.25
1	5Y	96	ASP	CG-OD1	15.32	1.54	1.25
1	6E	96	ASP	CG-OD1	15.32	1.54	1.25
1	6Y	96	ASP	CG-OD1	15.32	1.54	1.25
1	7I	96	ASP	CG-OD1	15.32	1.54	1.25
1	7U	96	ASP	CG-OD1	15.32	1.54	1.25
1	1A	96	ASP	CG-OD1	15.31	1.54	1.25
1	1I	96	ASP	CG-OD1	15.31	1.54	1.25
1	2E	96	ASP	CG-OD1	15.31	1.54	1.25
1	26	96	ASP	CG-OD1	15.31	1.54	1.25
1	3E	96	ASP	CG-OD1	15.31	1.54	1.25
1	4A	96	ASP	CG-OD1	15.31	1.54	1.25
1	4M	96	ASP	CG-OD1	15.31	1.54	1.25
1	4U	96	ASP	CG-OD1	15.31	1.54	1.25
1	5Q	96	ASP	CG-OD1	15.31	1.54	1.25
1	6I	96	ASP	CG-OD1	15.31	1.54	1.25
1	6Q	96	ASP	CG-OD1	15.31	1.54	1.25
1	7M	96	ASP	CG-OD1	15.31	1.54	1.25
1	1M	96	ASP	CG-OD1	15.31	1.54	1.25
1	2I	96	ASP	CG-OD1	15.31	1.54	1.25
1	3A	96	ASP	CG-OD1	15.31	1.54	1.25
1	3I	96	ASP	CG-OD1	15.31	1.54	1.25
1	32	96	ASP	CG-OD1	15.31	1.54	1.25
1	4E	96	ASP	CG-OD1	15.31	1.54	1.25
1	4Y	96	ASP	CG-OD1	15.31	1.54	1.25
1	5U	96	ASP	CG-OD1	15.31	1.54	1.25
1	6M	96	ASP	CG-OD1	15.31	1.54	1.25
1	6U	96	ASP	CG-OD1	15.31	1.54	1.25
1	7E	96	ASP	CG-OD1	15.31	1.54	1.25
1	7Q	96	ASP	CG-OD1	15.31	1.54	1.25
1	1Q	96	ASP	CG-OD1	15.30	1.54	1.25
1	1U	96	ASP	CG-OD1	15.30	1.54	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	96	ASP	CG-OD1	15.30	1.54	1.25
1	2Q	96	ASP	CG-OD1	15.30	1.54	1.25
1	2U	96	ASP	CG-OD1	15.30	1.54	1.25
1	2Y	96	ASP	CG-OD1	15.30	1.54	1.25
1	42	96	ASP	CG-OD1	15.30	1.54	1.25
1	46	96	ASP	CG-OD1	15.30	1.54	1.25
1	5A	96	ASP	CG-OD1	15.30	1.54	1.25
1	52	96	ASP	CG-OD1	15.30	1.54	1.25
1	56	96	ASP	CG-OD1	15.30	1.54	1.25
1	6A	96	ASP	CG-OD1	15.30	1.54	1.25
2	13	226	ILE	CA-CB	15.29	1.75	1.54
2	17	226	ILE	CA-CB	15.29	1.75	1.54
2	2B	226	ILE	CA-CB	15.29	1.75	1.54
2	3R	226	ILE	CA-CB	15.29	1.75	1.54
2	3V	226	ILE	CA-CB	15.29	1.75	1.54
2	3Z	226	ILE	CA-CB	15.29	1.75	1.54
2	5F	226	ILE	CA-CB	15.29	1.75	1.54
2	5J	226	ILE	CA-CB	15.29	1.75	1.54
2	5N	226	ILE	CA-CB	15.29	1.75	1.54
2	63	226	ILE	CA-CB	15.29	1.75	1.54
2	67	226	ILE	CA-CB	15.29	1.75	1.54
2	7B	226	ILE	CA-CB	15.29	1.75	1.54
1	1M	48	TYR	CG-CD1	-15.29	1.07	1.39
1	2I	48	TYR	CG-CD1	-15.29	1.07	1.39
1	3A	48	TYR	CG-CD1	-15.29	1.07	1.39
1	3I	48	TYR	CG-CD1	-15.29	1.07	1.39
1	32	48	TYR	CG-CD1	-15.29	1.07	1.39
1	4E	48	TYR	CG-CD1	-15.29	1.07	1.39
1	4Y	48	TYR	CG-CD1	-15.29	1.07	1.39
1	5U	48	TYR	CG-CD1	-15.29	1.07	1.39
1	6M	48	TYR	CG-CD1	-15.29	1.07	1.39
1	6U	48	TYR	CG-CD1	-15.29	1.07	1.39
1	7E	48	TYR	CG-CD1	-15.29	1.07	1.39
1	7Q	48	TYR	CG-CD1	-15.29	1.07	1.39
1	1A	48	TYR	CG-CD1	-15.29	1.07	1.39
1	1I	48	TYR	CG-CD1	-15.29	1.07	1.39
1	2E	48	TYR	CG-CD1	-15.29	1.07	1.39
1	26	48	TYR	CG-CD1	-15.29	1.07	1.39
1	3E	48	TYR	CG-CD1	-15.29	1.07	1.39
1	4A	48	TYR	CG-CD1	-15.29	1.07	1.39
1	4M	48	TYR	CG-CD1	-15.29	1.07	1.39
1	4U	48	TYR	CG-CD1	-15.29	1.07	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	48	TYR	CG-CD1	-15.29	1.07	1.39
1	6I	48	TYR	CG-CD1	-15.29	1.07	1.39
1	6Q	48	TYR	CG-CD1	-15.29	1.07	1.39
1	7M	48	TYR	CG-CD1	-15.29	1.07	1.39
1	1Q	48	TYR	CG-CD1	-15.26	1.07	1.39
1	1U	48	TYR	CG-CD1	-15.26	1.07	1.39
1	1Y	48	TYR	CG-CD1	-15.26	1.07	1.39
1	2Q	48	TYR	CG-CD1	-15.26	1.07	1.39
1	2U	48	TYR	CG-CD1	-15.26	1.07	1.39
1	2Y	48	TYR	CG-CD1	-15.26	1.07	1.39
1	42	48	TYR	CG-CD1	-15.26	1.07	1.39
1	46	48	TYR	CG-CD1	-15.26	1.07	1.39
1	5A	48	TYR	CG-CD1	-15.26	1.07	1.39
1	52	48	TYR	CG-CD1	-15.26	1.07	1.39
1	56	48	TYR	CG-CD1	-15.26	1.07	1.39
1	6A	48	TYR	CG-CD1	-15.26	1.07	1.39
1	12	48	TYR	CG-CD1	-15.26	1.07	1.39
2	13	66	TRP	C-N	-15.26	1.11	1.33
1	16	48	TYR	CG-CD1	-15.26	1.07	1.39
2	17	66	TRP	C-N	-15.26	1.11	1.33
1	2A	48	TYR	CG-CD1	-15.26	1.07	1.39
2	2B	66	TRP	C-N	-15.26	1.11	1.33
1	3Q	48	TYR	CG-CD1	-15.26	1.07	1.39
2	3R	66	TRP	C-N	-15.26	1.11	1.33
1	3U	48	TYR	CG-CD1	-15.26	1.07	1.39
2	3V	66	TRP	C-N	-15.26	1.11	1.33
1	3Y	48	TYR	CG-CD1	-15.26	1.07	1.39
2	3Z	66	TRP	C-N	-15.26	1.11	1.33
1	5E	48	TYR	CG-CD1	-15.26	1.07	1.39
2	5F	66	TRP	C-N	-15.26	1.11	1.33
1	5I	48	TYR	CG-CD1	-15.26	1.07	1.39
2	5J	66	TRP	C-N	-15.26	1.11	1.33
1	5M	48	TYR	CG-CD1	-15.26	1.07	1.39
2	5N	66	TRP	C-N	-15.26	1.11	1.33
1	62	48	TYR	CG-CD1	-15.26	1.07	1.39
2	63	66	TRP	C-N	-15.26	1.11	1.33
1	66	48	TYR	CG-CD1	-15.26	1.07	1.39
2	67	66	TRP	C-N	-15.26	1.11	1.33
1	7A	48	TYR	CG-CD1	-15.26	1.07	1.39
2	7B	66	TRP	C-N	-15.26	1.11	1.33
1	1E	48	TYR	CG-CD1	-15.25	1.07	1.39
1	2M	48	TYR	CG-CD1	-15.25	1.07	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	48	TYR	CG-CD1	-15.25	1.07	1.39
1	3M	48	TYR	CG-CD1	-15.25	1.07	1.39
1	36	48	TYR	CG-CD1	-15.25	1.07	1.39
1	4I	48	TYR	CG-CD1	-15.25	1.07	1.39
1	4Q	48	TYR	CG-CD1	-15.25	1.07	1.39
1	5Y	48	TYR	CG-CD1	-15.25	1.07	1.39
1	6E	48	TYR	CG-CD1	-15.25	1.07	1.39
1	6Y	48	TYR	CG-CD1	-15.25	1.07	1.39
1	7I	48	TYR	CG-CD1	-15.25	1.07	1.39
1	7U	48	TYR	CG-CD1	-15.25	1.07	1.39
2	1B	66	TRP	C-N	-15.25	1.11	1.33
2	1J	66	TRP	C-N	-15.25	1.11	1.33
2	2F	66	TRP	C-N	-15.25	1.11	1.33
2	27	66	TRP	C-N	-15.25	1.11	1.33
2	3F	66	TRP	C-N	-15.25	1.11	1.33
2	4B	66	TRP	C-N	-15.25	1.11	1.33
2	4N	66	TRP	C-N	-15.25	1.11	1.33
2	4V	66	TRP	C-N	-15.25	1.11	1.33
2	5R	66	TRP	C-N	-15.25	1.11	1.33
2	6J	66	TRP	C-N	-15.25	1.11	1.33
2	6R	66	TRP	C-N	-15.25	1.11	1.33
2	7N	66	TRP	C-N	-15.25	1.11	1.33
2	1N	226	ILE	CA-CB	15.24	1.75	1.54
2	2J	226	ILE	CA-CB	15.24	1.75	1.54
2	3B	226	ILE	CA-CB	15.24	1.75	1.54
2	3J	226	ILE	CA-CB	15.24	1.75	1.54
2	33	226	ILE	CA-CB	15.24	1.75	1.54
2	4F	226	ILE	CA-CB	15.24	1.75	1.54
2	4Z	226	ILE	CA-CB	15.24	1.75	1.54
2	5V	226	ILE	CA-CB	15.24	1.75	1.54
2	6N	226	ILE	CA-CB	15.24	1.75	1.54
2	6V	226	ILE	CA-CB	15.24	1.75	1.54
2	7F	226	ILE	CA-CB	15.24	1.75	1.54
2	7R	226	ILE	CA-CB	15.24	1.75	1.54
2	1F	66	TRP	C-N	-15.24	1.11	1.33
2	2N	66	TRP	C-N	-15.24	1.11	1.33
2	23	66	TRP	C-N	-15.24	1.11	1.33
2	3N	66	TRP	C-N	-15.24	1.11	1.33
2	37	66	TRP	C-N	-15.24	1.11	1.33
2	4J	66	TRP	C-N	-15.24	1.11	1.33
2	4R	66	TRP	C-N	-15.24	1.11	1.33
2	5Z	66	TRP	C-N	-15.24	1.11	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	66	TRP	C-N	-15.24	1.11	1.33
2	6Z	66	TRP	C-N	-15.24	1.11	1.33
2	7J	66	TRP	C-N	-15.24	1.11	1.33
2	7V	66	TRP	C-N	-15.24	1.11	1.33
2	1F	226	ILE	CA-CB	15.23	1.75	1.54
1	1M	178	SER	C-O	-15.23	1.05	1.23
1	2I	178	SER	C-O	-15.23	1.05	1.23
2	2N	226	ILE	CA-CB	15.23	1.75	1.54
2	23	226	ILE	CA-CB	15.23	1.75	1.54
1	3A	178	SER	C-O	-15.23	1.05	1.23
1	3I	178	SER	C-O	-15.23	1.05	1.23
2	3N	226	ILE	CA-CB	15.23	1.75	1.54
1	32	178	SER	C-O	-15.23	1.05	1.23
2	37	226	ILE	CA-CB	15.23	1.75	1.54
1	4E	178	SER	C-O	-15.23	1.05	1.23
2	4J	226	ILE	CA-CB	15.23	1.75	1.54
2	4R	226	ILE	CA-CB	15.23	1.75	1.54
1	4Y	178	SER	C-O	-15.23	1.05	1.23
1	5U	178	SER	C-O	-15.23	1.05	1.23
2	5Z	226	ILE	CA-CB	15.23	1.75	1.54
2	6F	226	ILE	CA-CB	15.23	1.75	1.54
1	6M	178	SER	C-O	-15.23	1.05	1.23
1	6U	178	SER	C-O	-15.23	1.05	1.23
2	6Z	226	ILE	CA-CB	15.23	1.75	1.54
1	7E	178	SER	C-O	-15.23	1.05	1.23
2	7J	226	ILE	CA-CB	15.23	1.75	1.54
1	7Q	178	SER	C-O	-15.23	1.05	1.23
2	7V	226	ILE	CA-CB	15.23	1.75	1.54
2	1F	58	LEU	C-N	15.22	1.52	1.33
2	1N	66	TRP	C-N	-15.22	1.11	1.33
2	2J	66	TRP	C-N	-15.22	1.11	1.33
2	2N	58	LEU	C-N	15.22	1.52	1.33
2	23	58	LEU	C-N	15.22	1.52	1.33
2	3B	66	TRP	C-N	-15.22	1.11	1.33
2	3J	66	TRP	C-N	-15.22	1.11	1.33
2	3N	58	LEU	C-N	15.22	1.52	1.33
2	33	66	TRP	C-N	-15.22	1.11	1.33
2	37	58	LEU	C-N	15.22	1.52	1.33
2	4F	66	TRP	C-N	-15.22	1.11	1.33
2	4J	58	LEU	C-N	15.22	1.52	1.33
2	4R	58	LEU	C-N	15.22	1.52	1.33
2	4Z	66	TRP	C-N	-15.22	1.11	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5V	66	TRP	C-N	-15.22	1.11	1.33
2	5Z	58	LEU	C-N	15.22	1.52	1.33
2	6F	58	LEU	C-N	15.22	1.52	1.33
2	6N	66	TRP	C-N	-15.22	1.11	1.33
2	6V	66	TRP	C-N	-15.22	1.11	1.33
2	6Z	58	LEU	C-N	15.22	1.52	1.33
2	7F	66	TRP	C-N	-15.22	1.11	1.33
2	7J	58	LEU	C-N	15.22	1.52	1.33
2	7R	66	TRP	C-N	-15.22	1.11	1.33
2	7V	58	LEU	C-N	15.22	1.52	1.33
2	1B	226	ILE	CA-CB	15.21	1.75	1.54
2	1J	226	ILE	CA-CB	15.21	1.75	1.54
2	2F	226	ILE	CA-CB	15.21	1.75	1.54
2	27	226	ILE	CA-CB	15.21	1.75	1.54
2	3F	226	ILE	CA-CB	15.21	1.75	1.54
2	4B	226	ILE	CA-CB	15.21	1.75	1.54
2	4N	226	ILE	CA-CB	15.21	1.75	1.54
2	4V	226	ILE	CA-CB	15.21	1.75	1.54
2	5R	226	ILE	CA-CB	15.21	1.75	1.54
2	6J	226	ILE	CA-CB	15.21	1.75	1.54
2	6R	226	ILE	CA-CB	15.21	1.75	1.54
2	7N	226	ILE	CA-CB	15.21	1.75	1.54
2	1B	58	LEU	C-N	15.21	1.52	1.33
2	1J	58	LEU	C-N	15.21	1.52	1.33
2	1R	58	LEU	C-N	15.21	1.52	1.33
2	1V	58	LEU	C-N	15.21	1.52	1.33
2	1Z	58	LEU	C-N	15.21	1.52	1.33
2	2F	58	LEU	C-N	15.21	1.52	1.33
2	2R	58	LEU	C-N	15.21	1.52	1.33
2	2V	58	LEU	C-N	15.21	1.52	1.33
2	2Z	58	LEU	C-N	15.21	1.52	1.33
2	27	58	LEU	C-N	15.21	1.52	1.33
2	3F	58	LEU	C-N	15.21	1.52	1.33
2	4B	58	LEU	C-N	15.21	1.52	1.33
2	4N	58	LEU	C-N	15.21	1.52	1.33
2	4V	58	LEU	C-N	15.21	1.52	1.33
2	43	58	LEU	C-N	15.21	1.52	1.33
2	47	58	LEU	C-N	15.21	1.52	1.33
2	5B	58	LEU	C-N	15.21	1.52	1.33
2	5R	58	LEU	C-N	15.21	1.52	1.33
2	53	58	LEU	C-N	15.21	1.52	1.33
2	57	58	LEU	C-N	15.21	1.52	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	58	LEU	C-N	15.21	1.52	1.33
2	6J	58	LEU	C-N	15.21	1.52	1.33
2	6R	58	LEU	C-N	15.21	1.52	1.33
2	7N	58	LEU	C-N	15.21	1.52	1.33
2	1R	66	TRP	C-N	-15.20	1.11	1.33
2	1V	66	TRP	C-N	-15.20	1.11	1.33
2	1Z	66	TRP	C-N	-15.20	1.11	1.33
2	2R	66	TRP	C-N	-15.20	1.11	1.33
2	2V	66	TRP	C-N	-15.20	1.11	1.33
2	2Z	66	TRP	C-N	-15.20	1.11	1.33
2	43	66	TRP	C-N	-15.20	1.11	1.33
2	47	66	TRP	C-N	-15.20	1.11	1.33
2	5B	66	TRP	C-N	-15.20	1.11	1.33
2	53	66	TRP	C-N	-15.20	1.11	1.33
2	57	66	TRP	C-N	-15.20	1.11	1.33
2	6B	66	TRP	C-N	-15.20	1.11	1.33
2	1N	58	LEU	C-N	15.20	1.52	1.33
2	1R	226	ILE	CA-CB	15.20	1.75	1.54
2	1V	226	ILE	CA-CB	15.20	1.75	1.54
2	1Z	226	ILE	CA-CB	15.20	1.75	1.54
2	2J	58	LEU	C-N	15.20	1.52	1.33
2	2R	226	ILE	CA-CB	15.20	1.75	1.54
2	2V	226	ILE	CA-CB	15.20	1.75	1.54
2	2Z	226	ILE	CA-CB	15.20	1.75	1.54
2	3B	58	LEU	C-N	15.20	1.52	1.33
2	3J	58	LEU	C-N	15.20	1.52	1.33
2	33	58	LEU	C-N	15.20	1.52	1.33
2	4F	58	LEU	C-N	15.20	1.52	1.33
2	4Z	58	LEU	C-N	15.20	1.52	1.33
2	43	226	ILE	CA-CB	15.20	1.75	1.54
2	47	226	ILE	CA-CB	15.20	1.75	1.54
2	5B	226	ILE	CA-CB	15.20	1.75	1.54
2	5V	58	LEU	C-N	15.20	1.52	1.33
2	53	226	ILE	CA-CB	15.20	1.75	1.54
2	57	226	ILE	CA-CB	15.20	1.75	1.54
2	6B	226	ILE	CA-CB	15.20	1.75	1.54
2	6N	58	LEU	C-N	15.20	1.52	1.33
2	6V	58	LEU	C-N	15.20	1.52	1.33
2	7F	58	LEU	C-N	15.20	1.52	1.33
2	7R	58	LEU	C-N	15.20	1.52	1.33
2	13	58	LEU	C-N	15.19	1.52	1.33
2	17	58	LEU	C-N	15.19	1.52	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	58	LEU	C-N	15.19	1.52	1.33
2	3R	58	LEU	C-N	15.19	1.52	1.33
2	3V	58	LEU	C-N	15.19	1.52	1.33
2	3Z	58	LEU	C-N	15.19	1.52	1.33
2	5F	58	LEU	C-N	15.19	1.52	1.33
2	5J	58	LEU	C-N	15.19	1.52	1.33
2	5N	58	LEU	C-N	15.19	1.52	1.33
2	63	58	LEU	C-N	15.19	1.52	1.33
2	67	58	LEU	C-N	15.19	1.52	1.33
2	7B	58	LEU	C-N	15.19	1.52	1.33
2	1R	40	ASN	C-N	15.19	1.53	1.33
2	1V	40	ASN	C-N	15.19	1.53	1.33
2	1Z	40	ASN	C-N	15.19	1.53	1.33
1	12	178	SER	C-O	-15.19	1.05	1.23
1	16	178	SER	C-O	-15.19	1.05	1.23
1	2A	178	SER	C-O	-15.19	1.05	1.23
2	2R	40	ASN	C-N	15.19	1.53	1.33
2	2V	40	ASN	C-N	15.19	1.53	1.33
2	2Z	40	ASN	C-N	15.19	1.53	1.33
1	3Q	178	SER	C-O	-15.19	1.05	1.23
1	3U	178	SER	C-O	-15.19	1.05	1.23
1	3Y	178	SER	C-O	-15.19	1.05	1.23
2	43	40	ASN	C-N	15.19	1.53	1.33
2	47	40	ASN	C-N	15.19	1.53	1.33
2	5B	40	ASN	C-N	15.19	1.53	1.33
1	5E	178	SER	C-O	-15.19	1.05	1.23
1	5I	178	SER	C-O	-15.19	1.05	1.23
1	5M	178	SER	C-O	-15.19	1.05	1.23
2	53	40	ASN	C-N	15.19	1.53	1.33
2	57	40	ASN	C-N	15.19	1.53	1.33
2	6B	40	ASN	C-N	15.19	1.53	1.33
1	62	178	SER	C-O	-15.19	1.05	1.23
1	66	178	SER	C-O	-15.19	1.05	1.23
1	7A	178	SER	C-O	-15.19	1.05	1.23
1	1A	178	SER	C-O	-15.18	1.05	1.23
1	1I	178	SER	C-O	-15.18	1.05	1.23
2	1R	2	GLU	CA-CB	-15.18	1.24	1.53
2	1V	2	GLU	CA-CB	-15.18	1.24	1.53
2	1Z	2	GLU	CA-CB	-15.18	1.24	1.53
2	13	2	GLU	CA-CB	-15.18	1.24	1.53
2	17	2	GLU	CA-CB	-15.18	1.24	1.53
2	2B	2	GLU	CA-CB	-15.18	1.24	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	178	SER	C-O	-15.18	1.05	1.23
2	2R	2	GLU	CA-CB	-15.18	1.24	1.53
2	2V	2	GLU	CA-CB	-15.18	1.24	1.53
2	2Z	2	GLU	CA-CB	-15.18	1.24	1.53
1	26	178	SER	C-O	-15.18	1.05	1.23
1	3E	178	SER	C-O	-15.18	1.05	1.23
2	3R	2	GLU	CA-CB	-15.18	1.24	1.53
2	3V	2	GLU	CA-CB	-15.18	1.24	1.53
2	3Z	2	GLU	CA-CB	-15.18	1.24	1.53
1	4A	178	SER	C-O	-15.18	1.05	1.23
1	4M	178	SER	C-O	-15.18	1.05	1.23
1	4U	178	SER	C-O	-15.18	1.05	1.23
2	43	2	GLU	CA-CB	-15.18	1.24	1.53
2	47	2	GLU	CA-CB	-15.18	1.24	1.53
2	5B	2	GLU	CA-CB	-15.18	1.24	1.53
2	5F	2	GLU	CA-CB	-15.18	1.24	1.53
2	5J	2	GLU	CA-CB	-15.18	1.24	1.53
2	5N	2	GLU	CA-CB	-15.18	1.24	1.53
1	5Q	178	SER	C-O	-15.18	1.05	1.23
2	53	2	GLU	CA-CB	-15.18	1.24	1.53
2	57	2	GLU	CA-CB	-15.18	1.24	1.53
2	6B	2	GLU	CA-CB	-15.18	1.24	1.53
1	6I	178	SER	C-O	-15.18	1.05	1.23
1	6Q	178	SER	C-O	-15.18	1.05	1.23
2	63	2	GLU	CA-CB	-15.18	1.24	1.53
2	67	2	GLU	CA-CB	-15.18	1.24	1.53
2	7B	2	GLU	CA-CB	-15.18	1.24	1.53
1	7M	178	SER	C-O	-15.18	1.05	1.23
2	1B	2	GLU	CA-CB	-15.18	1.24	1.53
2	1J	2	GLU	CA-CB	-15.18	1.24	1.53
2	2F	2	GLU	CA-CB	-15.18	1.24	1.53
2	27	2	GLU	CA-CB	-15.18	1.24	1.53
2	3F	2	GLU	CA-CB	-15.18	1.24	1.53
2	4B	2	GLU	CA-CB	-15.18	1.24	1.53
2	4N	2	GLU	CA-CB	-15.18	1.24	1.53
2	4V	2	GLU	CA-CB	-15.18	1.24	1.53
2	5R	2	GLU	CA-CB	-15.18	1.24	1.53
2	6J	2	GLU	CA-CB	-15.18	1.24	1.53
2	6R	2	GLU	CA-CB	-15.18	1.24	1.53
2	7N	2	GLU	CA-CB	-15.18	1.24	1.53
1	1Q	155	PRO	N-CA	-15.18	1.27	1.47
1	1U	155	PRO	N-CA	-15.18	1.27	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	155	PRO	N-CA	-15.18	1.27	1.47
1	2Q	155	PRO	N-CA	-15.18	1.27	1.47
1	2U	155	PRO	N-CA	-15.18	1.27	1.47
1	2Y	155	PRO	N-CA	-15.18	1.27	1.47
1	42	155	PRO	N-CA	-15.18	1.27	1.47
1	46	155	PRO	N-CA	-15.18	1.27	1.47
1	5A	155	PRO	N-CA	-15.18	1.27	1.47
1	52	155	PRO	N-CA	-15.18	1.27	1.47
1	56	155	PRO	N-CA	-15.18	1.27	1.47
1	6A	155	PRO	N-CA	-15.18	1.27	1.47
1	1E	155	PRO	N-CA	-15.18	1.27	1.47
1	2M	155	PRO	N-CA	-15.18	1.27	1.47
1	22	155	PRO	N-CA	-15.18	1.27	1.47
1	3M	155	PRO	N-CA	-15.18	1.27	1.47
1	36	155	PRO	N-CA	-15.18	1.27	1.47
1	4I	155	PRO	N-CA	-15.18	1.27	1.47
1	4Q	155	PRO	N-CA	-15.18	1.27	1.47
1	5Y	155	PRO	N-CA	-15.18	1.27	1.47
1	6E	155	PRO	N-CA	-15.18	1.27	1.47
1	6Y	155	PRO	N-CA	-15.18	1.27	1.47
1	7I	155	PRO	N-CA	-15.18	1.27	1.47
1	7U	155	PRO	N-CA	-15.18	1.27	1.47
1	12	155	PRO	N-CA	-15.17	1.27	1.47
1	16	155	PRO	N-CA	-15.17	1.27	1.47
1	2A	155	PRO	N-CA	-15.17	1.27	1.47
1	3Q	155	PRO	N-CA	-15.17	1.27	1.47
1	3U	155	PRO	N-CA	-15.17	1.27	1.47
1	3Y	155	PRO	N-CA	-15.17	1.27	1.47
1	5E	155	PRO	N-CA	-15.17	1.27	1.47
1	5I	155	PRO	N-CA	-15.17	1.27	1.47
1	5M	155	PRO	N-CA	-15.17	1.27	1.47
1	62	155	PRO	N-CA	-15.17	1.27	1.47
1	66	155	PRO	N-CA	-15.17	1.27	1.47
1	7A	155	PRO	N-CA	-15.17	1.27	1.47
2	1N	2	GLU	CA-CB	-15.17	1.24	1.53
2	2J	2	GLU	CA-CB	-15.17	1.24	1.53
2	3B	2	GLU	CA-CB	-15.17	1.24	1.53
2	3J	2	GLU	CA-CB	-15.17	1.24	1.53
2	33	2	GLU	CA-CB	-15.17	1.24	1.53
2	4F	2	GLU	CA-CB	-15.17	1.24	1.53
2	4Z	2	GLU	CA-CB	-15.17	1.24	1.53
2	5V	2	GLU	CA-CB	-15.17	1.24	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	2	GLU	CA-CB	-15.17	1.24	1.53
2	6V	2	GLU	CA-CB	-15.17	1.24	1.53
2	7F	2	GLU	CA-CB	-15.17	1.24	1.53
2	7R	2	GLU	CA-CB	-15.17	1.24	1.53
1	1Q	178	SER	C-O	-15.16	1.05	1.23
1	1U	178	SER	C-O	-15.16	1.05	1.23
1	1Y	178	SER	C-O	-15.16	1.05	1.23
1	2Q	178	SER	C-O	-15.16	1.05	1.23
1	2U	178	SER	C-O	-15.16	1.05	1.23
1	2Y	178	SER	C-O	-15.16	1.05	1.23
1	42	178	SER	C-O	-15.16	1.05	1.23
1	46	178	SER	C-O	-15.16	1.05	1.23
1	5A	178	SER	C-O	-15.16	1.05	1.23
1	52	178	SER	C-O	-15.16	1.05	1.23
1	56	178	SER	C-O	-15.16	1.05	1.23
1	6A	178	SER	C-O	-15.16	1.05	1.23
2	1F	2	GLU	CA-CB	-15.15	1.24	1.53
2	2N	2	GLU	CA-CB	-15.15	1.24	1.53
2	23	2	GLU	CA-CB	-15.15	1.24	1.53
2	3N	2	GLU	CA-CB	-15.15	1.24	1.53
2	37	2	GLU	CA-CB	-15.15	1.24	1.53
2	4J	2	GLU	CA-CB	-15.15	1.24	1.53
2	4R	2	GLU	CA-CB	-15.15	1.24	1.53
2	5Z	2	GLU	CA-CB	-15.15	1.24	1.53
2	6F	2	GLU	CA-CB	-15.15	1.24	1.53
2	6Z	2	GLU	CA-CB	-15.15	1.24	1.53
2	7J	2	GLU	CA-CB	-15.15	1.24	1.53
2	7V	2	GLU	CA-CB	-15.15	1.24	1.53
2	1B	40	ASN	C-N	15.14	1.53	1.33
2	1J	40	ASN	C-N	15.14	1.53	1.33
2	2F	40	ASN	C-N	15.14	1.53	1.33
2	27	40	ASN	C-N	15.14	1.53	1.33
2	3F	40	ASN	C-N	15.14	1.53	1.33
2	4B	40	ASN	C-N	15.14	1.53	1.33
2	4N	40	ASN	C-N	15.14	1.53	1.33
2	4V	40	ASN	C-N	15.14	1.53	1.33
2	5R	40	ASN	C-N	15.14	1.53	1.33
2	6J	40	ASN	C-N	15.14	1.53	1.33
2	6R	40	ASN	C-N	15.14	1.53	1.33
2	7N	40	ASN	C-N	15.14	1.53	1.33
2	13	40	ASN	C-N	15.14	1.53	1.33
2	17	40	ASN	C-N	15.14	1.53	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	40	ASN	C-N	15.14	1.53	1.33
2	3R	40	ASN	C-N	15.14	1.53	1.33
2	3V	40	ASN	C-N	15.14	1.53	1.33
2	3Z	40	ASN	C-N	15.14	1.53	1.33
2	5F	40	ASN	C-N	15.14	1.53	1.33
2	5J	40	ASN	C-N	15.14	1.53	1.33
2	5N	40	ASN	C-N	15.14	1.53	1.33
2	63	40	ASN	C-N	15.14	1.53	1.33
2	67	40	ASN	C-N	15.14	1.53	1.33
2	7B	40	ASN	C-N	15.14	1.53	1.33
1	1A	155	PRO	N-CA	-15.13	1.27	1.47
1	1I	155	PRO	N-CA	-15.13	1.27	1.47
1	2E	155	PRO	N-CA	-15.13	1.27	1.47
1	26	155	PRO	N-CA	-15.13	1.27	1.47
1	3E	155	PRO	N-CA	-15.13	1.27	1.47
1	4A	155	PRO	N-CA	-15.13	1.27	1.47
1	4M	155	PRO	N-CA	-15.13	1.27	1.47
1	4U	155	PRO	N-CA	-15.13	1.27	1.47
1	5Q	155	PRO	N-CA	-15.13	1.27	1.47
1	6I	155	PRO	N-CA	-15.13	1.27	1.47
1	6Q	155	PRO	N-CA	-15.13	1.27	1.47
1	7M	155	PRO	N-CA	-15.13	1.27	1.47
1	1E	178	SER	C-O	-15.13	1.05	1.23
1	2M	178	SER	C-O	-15.13	1.05	1.23
1	22	178	SER	C-O	-15.13	1.05	1.23
1	3M	178	SER	C-O	-15.13	1.05	1.23
1	36	178	SER	C-O	-15.13	1.05	1.23
1	4I	178	SER	C-O	-15.13	1.05	1.23
1	4Q	178	SER	C-O	-15.13	1.05	1.23
1	5Y	178	SER	C-O	-15.13	1.05	1.23
1	6E	178	SER	C-O	-15.13	1.05	1.23
1	6Y	178	SER	C-O	-15.13	1.05	1.23
1	7I	178	SER	C-O	-15.13	1.05	1.23
1	7U	178	SER	C-O	-15.13	1.05	1.23
2	1N	226	ILE	N-CA	15.13	1.65	1.46
2	2J	226	ILE	N-CA	15.13	1.65	1.46
2	3B	226	ILE	N-CA	15.13	1.65	1.46
2	3J	226	ILE	N-CA	15.13	1.65	1.46
2	33	226	ILE	N-CA	15.13	1.65	1.46
2	4F	226	ILE	N-CA	15.13	1.65	1.46
2	4Z	226	ILE	N-CA	15.13	1.65	1.46
2	5V	226	ILE	N-CA	15.13	1.65	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	226	ILE	N-CA	15.13	1.65	1.46
2	6V	226	ILE	N-CA	15.13	1.65	1.46
2	7F	226	ILE	N-CA	15.13	1.65	1.46
2	7R	226	ILE	N-CA	15.13	1.65	1.46
2	1F	40	ASN	C-N	15.11	1.53	1.33
1	1M	155	PRO	N-CA	-15.11	1.27	1.47
1	2I	155	PRO	N-CA	-15.11	1.27	1.47
2	2N	40	ASN	C-N	15.11	1.53	1.33
2	23	40	ASN	C-N	15.11	1.53	1.33
1	3A	155	PRO	N-CA	-15.11	1.27	1.47
1	3I	155	PRO	N-CA	-15.11	1.27	1.47
2	3N	40	ASN	C-N	15.11	1.53	1.33
1	32	155	PRO	N-CA	-15.11	1.27	1.47
2	37	40	ASN	C-N	15.11	1.53	1.33
1	4E	155	PRO	N-CA	-15.11	1.27	1.47
2	4J	40	ASN	C-N	15.11	1.53	1.33
2	4R	40	ASN	C-N	15.11	1.53	1.33
1	4Y	155	PRO	N-CA	-15.11	1.27	1.47
1	5U	155	PRO	N-CA	-15.11	1.27	1.47
2	5Z	40	ASN	C-N	15.11	1.53	1.33
2	6F	40	ASN	C-N	15.11	1.53	1.33
1	6M	155	PRO	N-CA	-15.11	1.27	1.47
1	6U	155	PRO	N-CA	-15.11	1.27	1.47
2	6Z	40	ASN	C-N	15.11	1.53	1.33
1	7E	155	PRO	N-CA	-15.11	1.27	1.47
2	7J	40	ASN	C-N	15.11	1.53	1.33
1	7Q	155	PRO	N-CA	-15.11	1.27	1.47
2	7V	40	ASN	C-N	15.11	1.53	1.33
2	1N	40	ASN	C-N	15.11	1.53	1.33
2	2J	40	ASN	C-N	15.11	1.53	1.33
2	3B	40	ASN	C-N	15.11	1.53	1.33
2	3J	40	ASN	C-N	15.11	1.53	1.33
2	33	40	ASN	C-N	15.11	1.53	1.33
2	4F	40	ASN	C-N	15.11	1.53	1.33
2	4Z	40	ASN	C-N	15.11	1.53	1.33
2	5V	40	ASN	C-N	15.11	1.53	1.33
2	6N	40	ASN	C-N	15.11	1.53	1.33
2	6V	40	ASN	C-N	15.11	1.53	1.33
2	7F	40	ASN	C-N	15.11	1.53	1.33
2	7R	40	ASN	C-N	15.11	1.53	1.33
2	1F	226	ILE	N-CA	15.08	1.65	1.46
2	2N	226	ILE	N-CA	15.08	1.65	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	226	ILE	N-CA	15.08	1.65	1.46
2	3N	226	ILE	N-CA	15.08	1.65	1.46
2	37	226	ILE	N-CA	15.08	1.65	1.46
2	4J	226	ILE	N-CA	15.08	1.65	1.46
2	4R	226	ILE	N-CA	15.08	1.65	1.46
2	5Z	226	ILE	N-CA	15.08	1.65	1.46
2	6F	226	ILE	N-CA	15.08	1.65	1.46
2	6Z	226	ILE	N-CA	15.08	1.65	1.46
2	7J	226	ILE	N-CA	15.08	1.65	1.46
2	7V	226	ILE	N-CA	15.08	1.65	1.46
2	1R	58	LEU	CG-CD2	-15.08	1.02	1.52
2	1V	58	LEU	CG-CD2	-15.08	1.02	1.52
2	1Z	58	LEU	CG-CD2	-15.08	1.02	1.52
2	2R	58	LEU	CG-CD2	-15.08	1.02	1.52
2	2V	58	LEU	CG-CD2	-15.08	1.02	1.52
2	2Z	58	LEU	CG-CD2	-15.08	1.02	1.52
2	43	58	LEU	CG-CD2	-15.08	1.02	1.52
2	47	58	LEU	CG-CD2	-15.08	1.02	1.52
2	5B	58	LEU	CG-CD2	-15.08	1.02	1.52
2	53	58	LEU	CG-CD2	-15.08	1.02	1.52
2	57	58	LEU	CG-CD2	-15.08	1.02	1.52
2	6B	58	LEU	CG-CD2	-15.08	1.02	1.52
1	1Q	34	ALA	C-N	15.07	1.53	1.33
1	1U	34	ALA	C-N	15.07	1.53	1.33
1	1Y	34	ALA	C-N	15.07	1.53	1.33
1	2Q	34	ALA	C-N	15.07	1.53	1.33
1	2U	34	ALA	C-N	15.07	1.53	1.33
1	2Y	34	ALA	C-N	15.07	1.53	1.33
1	42	34	ALA	C-N	15.07	1.53	1.33
1	46	34	ALA	C-N	15.07	1.53	1.33
1	5A	34	ALA	C-N	15.07	1.53	1.33
1	52	34	ALA	C-N	15.07	1.53	1.33
1	56	34	ALA	C-N	15.07	1.53	1.33
1	6A	34	ALA	C-N	15.07	1.53	1.33
2	1B	226	ILE	N-CA	15.07	1.65	1.46
2	1J	226	ILE	N-CA	15.07	1.65	1.46
2	2F	226	ILE	N-CA	15.07	1.65	1.46
2	27	226	ILE	N-CA	15.07	1.65	1.46
2	3F	226	ILE	N-CA	15.07	1.65	1.46
2	4B	226	ILE	N-CA	15.07	1.65	1.46
2	4N	226	ILE	N-CA	15.07	1.65	1.46
2	4V	226	ILE	N-CA	15.07	1.65	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	226	ILE	N-CA	15.07	1.65	1.46
2	6J	226	ILE	N-CA	15.07	1.65	1.46
2	6R	226	ILE	N-CA	15.07	1.65	1.46
2	7N	226	ILE	N-CA	15.07	1.65	1.46
2	13	226	ILE	N-CA	15.07	1.65	1.46
2	17	226	ILE	N-CA	15.07	1.65	1.46
2	2B	226	ILE	N-CA	15.07	1.65	1.46
2	3R	226	ILE	N-CA	15.07	1.65	1.46
2	3V	226	ILE	N-CA	15.07	1.65	1.46
2	3Z	226	ILE	N-CA	15.07	1.65	1.46
2	5F	226	ILE	N-CA	15.07	1.65	1.46
2	5J	226	ILE	N-CA	15.07	1.65	1.46
2	5N	226	ILE	N-CA	15.07	1.65	1.46
2	63	226	ILE	N-CA	15.07	1.65	1.46
2	67	226	ILE	N-CA	15.07	1.65	1.46
2	7B	226	ILE	N-CA	15.07	1.65	1.46
2	1B	58	LEU	CG-CD2	-15.06	1.02	1.52
2	1J	58	LEU	CG-CD2	-15.06	1.02	1.52
2	2F	58	LEU	CG-CD2	-15.06	1.02	1.52
2	27	58	LEU	CG-CD2	-15.06	1.02	1.52
2	3F	58	LEU	CG-CD2	-15.06	1.02	1.52
2	4B	58	LEU	CG-CD2	-15.06	1.02	1.52
2	4N	58	LEU	CG-CD2	-15.06	1.02	1.52
2	4V	58	LEU	CG-CD2	-15.06	1.02	1.52
2	5R	58	LEU	CG-CD2	-15.06	1.02	1.52
2	6J	58	LEU	CG-CD2	-15.06	1.02	1.52
2	6R	58	LEU	CG-CD2	-15.06	1.02	1.52
2	7N	58	LEU	CG-CD2	-15.06	1.02	1.52
2	1N	58	LEU	CG-CD2	-15.06	1.02	1.52
2	2J	58	LEU	CG-CD2	-15.06	1.02	1.52
2	3B	58	LEU	CG-CD2	-15.06	1.02	1.52
2	3J	58	LEU	CG-CD2	-15.06	1.02	1.52
2	33	58	LEU	CG-CD2	-15.06	1.02	1.52
2	4F	58	LEU	CG-CD2	-15.06	1.02	1.52
2	4Z	58	LEU	CG-CD2	-15.06	1.02	1.52
2	5V	58	LEU	CG-CD2	-15.06	1.02	1.52
2	6N	58	LEU	CG-CD2	-15.06	1.02	1.52
2	6V	58	LEU	CG-CD2	-15.06	1.02	1.52
2	7F	58	LEU	CG-CD2	-15.06	1.02	1.52
2	7R	58	LEU	CG-CD2	-15.06	1.02	1.52
2	13	58	LEU	CG-CD2	-15.06	1.02	1.52
2	17	58	LEU	CG-CD2	-15.06	1.02	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	58	LEU	CG-CD2	-15.06	1.02	1.52
2	3R	58	LEU	CG-CD2	-15.06	1.02	1.52
2	3V	58	LEU	CG-CD2	-15.06	1.02	1.52
2	3Z	58	LEU	CG-CD2	-15.06	1.02	1.52
2	5F	58	LEU	CG-CD2	-15.06	1.02	1.52
2	5J	58	LEU	CG-CD2	-15.06	1.02	1.52
2	5N	58	LEU	CG-CD2	-15.06	1.02	1.52
2	63	58	LEU	CG-CD2	-15.06	1.02	1.52
2	67	58	LEU	CG-CD2	-15.06	1.02	1.52
2	7B	58	LEU	CG-CD2	-15.06	1.02	1.52
1	1M	34	ALA	C-N	15.05	1.53	1.33
1	2I	34	ALA	C-N	15.05	1.53	1.33
1	3A	34	ALA	C-N	15.05	1.53	1.33
1	3I	34	ALA	C-N	15.05	1.53	1.33
1	32	34	ALA	C-N	15.05	1.53	1.33
1	4E	34	ALA	C-N	15.05	1.53	1.33
1	4Y	34	ALA	C-N	15.05	1.53	1.33
1	5U	34	ALA	C-N	15.05	1.53	1.33
1	6M	34	ALA	C-N	15.05	1.53	1.33
1	6U	34	ALA	C-N	15.05	1.53	1.33
1	7E	34	ALA	C-N	15.05	1.53	1.33
1	7Q	34	ALA	C-N	15.05	1.53	1.33
1	1E	34	ALA	C-N	15.05	1.53	1.33
1	2M	34	ALA	C-N	15.05	1.53	1.33
1	22	34	ALA	C-N	15.05	1.53	1.33
1	3M	34	ALA	C-N	15.05	1.53	1.33
1	36	34	ALA	C-N	15.05	1.53	1.33
1	4I	34	ALA	C-N	15.05	1.53	1.33
1	4Q	34	ALA	C-N	15.05	1.53	1.33
1	5Y	34	ALA	C-N	15.05	1.53	1.33
1	6E	34	ALA	C-N	15.05	1.53	1.33
1	6Y	34	ALA	C-N	15.05	1.53	1.33
1	7I	34	ALA	C-N	15.05	1.53	1.33
1	7U	34	ALA	C-N	15.05	1.53	1.33
1	1A	34	ALA	C-N	15.04	1.53	1.33
1	1I	34	ALA	C-N	15.04	1.53	1.33
1	2E	34	ALA	C-N	15.04	1.53	1.33
1	26	34	ALA	C-N	15.04	1.53	1.33
1	3E	34	ALA	C-N	15.04	1.53	1.33
1	4A	34	ALA	C-N	15.04	1.53	1.33
1	4M	34	ALA	C-N	15.04	1.53	1.33
1	4U	34	ALA	C-N	15.04	1.53	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	34	ALA	C-N	15.04	1.53	1.33
1	6I	34	ALA	C-N	15.04	1.53	1.33
1	6Q	34	ALA	C-N	15.04	1.53	1.33
1	7M	34	ALA	C-N	15.04	1.53	1.33
2	1F	58	LEU	CG-CD2	-15.04	1.02	1.52
2	2N	58	LEU	CG-CD2	-15.04	1.02	1.52
2	23	58	LEU	CG-CD2	-15.04	1.02	1.52
2	3N	58	LEU	CG-CD2	-15.04	1.02	1.52
2	37	58	LEU	CG-CD2	-15.04	1.02	1.52
2	4J	58	LEU	CG-CD2	-15.04	1.02	1.52
2	4R	58	LEU	CG-CD2	-15.04	1.02	1.52
2	5Z	58	LEU	CG-CD2	-15.04	1.02	1.52
2	6F	58	LEU	CG-CD2	-15.04	1.02	1.52
2	6Z	58	LEU	CG-CD2	-15.04	1.02	1.52
2	7J	58	LEU	CG-CD2	-15.04	1.02	1.52
2	7V	58	LEU	CG-CD2	-15.04	1.02	1.52
1	12	34	ALA	C-N	15.03	1.53	1.33
1	16	34	ALA	C-N	15.03	1.53	1.33
1	2A	34	ALA	C-N	15.03	1.53	1.33
1	3Q	34	ALA	C-N	15.03	1.53	1.33
1	3U	34	ALA	C-N	15.03	1.53	1.33
1	3Y	34	ALA	C-N	15.03	1.53	1.33
1	5E	34	ALA	C-N	15.03	1.53	1.33
1	5I	34	ALA	C-N	15.03	1.53	1.33
1	5M	34	ALA	C-N	15.03	1.53	1.33
1	62	34	ALA	C-N	15.03	1.53	1.33
1	66	34	ALA	C-N	15.03	1.53	1.33
1	7A	34	ALA	C-N	15.03	1.53	1.33
1	12	148	LEU	CA-C	15.03	1.72	1.52
1	16	148	LEU	CA-C	15.03	1.72	1.52
1	2A	148	LEU	CA-C	15.03	1.72	1.52
1	3Q	148	LEU	CA-C	15.03	1.72	1.52
1	3U	148	LEU	CA-C	15.03	1.72	1.52
1	3Y	148	LEU	CA-C	15.03	1.72	1.52
1	5E	148	LEU	CA-C	15.03	1.72	1.52
1	5I	148	LEU	CA-C	15.03	1.72	1.52
1	5M	148	LEU	CA-C	15.03	1.72	1.52
1	62	148	LEU	CA-C	15.03	1.72	1.52
1	66	148	LEU	CA-C	15.03	1.72	1.52
1	7A	148	LEU	CA-C	15.03	1.72	1.52
1	1Q	148	LEU	CA-C	15.02	1.72	1.52
1	1U	148	LEU	CA-C	15.02	1.72	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	148	LEU	CA-C	15.02	1.72	1.52
1	2Q	148	LEU	CA-C	15.02	1.72	1.52
1	2U	148	LEU	CA-C	15.02	1.72	1.52
1	2Y	148	LEU	CA-C	15.02	1.72	1.52
1	42	148	LEU	CA-C	15.02	1.72	1.52
1	46	148	LEU	CA-C	15.02	1.72	1.52
1	5A	148	LEU	CA-C	15.02	1.72	1.52
1	52	148	LEU	CA-C	15.02	1.72	1.52
1	56	148	LEU	CA-C	15.02	1.72	1.52
1	6A	148	LEU	CA-C	15.02	1.72	1.52
2	1R	226	ILE	N-CA	15.02	1.65	1.46
2	1V	226	ILE	N-CA	15.02	1.65	1.46
2	1Z	226	ILE	N-CA	15.02	1.65	1.46
2	2R	226	ILE	N-CA	15.02	1.65	1.46
2	2V	226	ILE	N-CA	15.02	1.65	1.46
2	2Z	226	ILE	N-CA	15.02	1.65	1.46
2	43	226	ILE	N-CA	15.02	1.65	1.46
2	47	226	ILE	N-CA	15.02	1.65	1.46
2	5B	226	ILE	N-CA	15.02	1.65	1.46
2	53	226	ILE	N-CA	15.02	1.65	1.46
2	57	226	ILE	N-CA	15.02	1.65	1.46
2	6B	226	ILE	N-CA	15.02	1.65	1.46
2	1N	46	TYR	CB-CG	-15.00	1.18	1.51
2	2J	46	TYR	CB-CG	-15.00	1.18	1.51
2	3B	46	TYR	CB-CG	-15.00	1.18	1.51
2	3J	46	TYR	CB-CG	-15.00	1.18	1.51
2	33	46	TYR	CB-CG	-15.00	1.18	1.51
2	4F	46	TYR	CB-CG	-15.00	1.18	1.51
2	4Z	46	TYR	CB-CG	-15.00	1.18	1.51
2	5V	46	TYR	CB-CG	-15.00	1.18	1.51
2	6N	46	TYR	CB-CG	-15.00	1.18	1.51
2	6V	46	TYR	CB-CG	-15.00	1.18	1.51
2	7F	46	TYR	CB-CG	-15.00	1.18	1.51
2	7R	46	TYR	CB-CG	-15.00	1.18	1.51
2	1B	46	TYR	CB-CG	-14.99	1.18	1.51
2	1J	46	TYR	CB-CG	-14.99	1.18	1.51
2	1R	46	TYR	CB-CG	-14.99	1.18	1.51
2	1V	46	TYR	CB-CG	-14.99	1.18	1.51
2	1Z	46	TYR	CB-CG	-14.99	1.18	1.51
2	2F	46	TYR	CB-CG	-14.99	1.18	1.51
2	2R	46	TYR	CB-CG	-14.99	1.18	1.51
2	2V	46	TYR	CB-CG	-14.99	1.18	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2Z	46	TYR	CB-CG	-14.99	1.18	1.51
2	27	46	TYR	CB-CG	-14.99	1.18	1.51
2	3F	46	TYR	CB-CG	-14.99	1.18	1.51
2	4B	46	TYR	CB-CG	-14.99	1.18	1.51
2	4N	46	TYR	CB-CG	-14.99	1.18	1.51
2	4V	46	TYR	CB-CG	-14.99	1.18	1.51
2	43	46	TYR	CB-CG	-14.99	1.18	1.51
2	47	46	TYR	CB-CG	-14.99	1.18	1.51
2	5B	46	TYR	CB-CG	-14.99	1.18	1.51
2	5R	46	TYR	CB-CG	-14.99	1.18	1.51
2	53	46	TYR	CB-CG	-14.99	1.18	1.51
2	57	46	TYR	CB-CG	-14.99	1.18	1.51
2	6B	46	TYR	CB-CG	-14.99	1.18	1.51
2	6J	46	TYR	CB-CG	-14.99	1.18	1.51
2	6R	46	TYR	CB-CG	-14.99	1.18	1.51
2	7N	46	TYR	CB-CG	-14.99	1.18	1.51
1	1E	148	LEU	CA-C	14.99	1.72	1.52
1	2M	148	LEU	CA-C	14.99	1.72	1.52
1	22	148	LEU	CA-C	14.99	1.72	1.52
1	3M	148	LEU	CA-C	14.99	1.72	1.52
1	36	148	LEU	CA-C	14.99	1.72	1.52
1	4I	148	LEU	CA-C	14.99	1.72	1.52
1	4Q	148	LEU	CA-C	14.99	1.72	1.52
1	5Y	148	LEU	CA-C	14.99	1.72	1.52
1	6E	148	LEU	CA-C	14.99	1.72	1.52
1	6Y	148	LEU	CA-C	14.99	1.72	1.52
1	7I	148	LEU	CA-C	14.99	1.72	1.52
1	7U	148	LEU	CA-C	14.99	1.72	1.52
1	1A	148	LEU	CA-C	14.99	1.72	1.52
1	1I	148	LEU	CA-C	14.99	1.72	1.52
1	1Q	41	ILE	N-CA	14.99	1.62	1.46
1	1U	41	ILE	N-CA	14.99	1.62	1.46
1	1Y	41	ILE	N-CA	14.99	1.62	1.46
1	2E	148	LEU	CA-C	14.99	1.72	1.52
1	2Q	41	ILE	N-CA	14.99	1.62	1.46
1	2U	41	ILE	N-CA	14.99	1.62	1.46
1	2Y	41	ILE	N-CA	14.99	1.62	1.46
1	26	148	LEU	CA-C	14.99	1.72	1.52
1	3E	148	LEU	CA-C	14.99	1.72	1.52
1	4A	148	LEU	CA-C	14.99	1.72	1.52
1	4M	148	LEU	CA-C	14.99	1.72	1.52
1	4U	148	LEU	CA-C	14.99	1.72	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	42	41	ILE	N-CA	14.99	1.62	1.46
1	46	41	ILE	N-CA	14.99	1.62	1.46
1	5A	41	ILE	N-CA	14.99	1.62	1.46
1	5Q	148	LEU	CA-C	14.99	1.72	1.52
1	52	41	ILE	N-CA	14.99	1.62	1.46
1	56	41	ILE	N-CA	14.99	1.62	1.46
1	6A	41	ILE	N-CA	14.99	1.62	1.46
1	6I	148	LEU	CA-C	14.99	1.72	1.52
1	6Q	148	LEU	CA-C	14.99	1.72	1.52
1	7M	148	LEU	CA-C	14.99	1.72	1.52
2	1B	1	ALA	CA-CB	-14.98	1.03	1.52
2	1F	46	TYR	CB-CG	-14.98	1.18	1.51
2	1J	1	ALA	CA-CB	-14.98	1.03	1.52
2	13	1	ALA	CA-CB	-14.98	1.03	1.52
2	17	1	ALA	CA-CB	-14.98	1.03	1.52
2	2B	1	ALA	CA-CB	-14.98	1.03	1.52
2	2F	1	ALA	CA-CB	-14.98	1.03	1.52
2	2N	46	TYR	CB-CG	-14.98	1.18	1.51
2	23	46	TYR	CB-CG	-14.98	1.18	1.51
2	27	1	ALA	CA-CB	-14.98	1.03	1.52
2	3F	1	ALA	CA-CB	-14.98	1.03	1.52
2	3N	46	TYR	CB-CG	-14.98	1.18	1.51
2	3R	1	ALA	CA-CB	-14.98	1.03	1.52
2	3V	1	ALA	CA-CB	-14.98	1.03	1.52
2	3Z	1	ALA	CA-CB	-14.98	1.03	1.52
2	37	46	TYR	CB-CG	-14.98	1.18	1.51
2	4B	1	ALA	CA-CB	-14.98	1.03	1.52
2	4J	46	TYR	CB-CG	-14.98	1.18	1.51
2	4N	1	ALA	CA-CB	-14.98	1.03	1.52
2	4R	46	TYR	CB-CG	-14.98	1.18	1.51
2	4V	1	ALA	CA-CB	-14.98	1.03	1.52
2	5F	1	ALA	CA-CB	-14.98	1.03	1.52
2	5J	1	ALA	CA-CB	-14.98	1.03	1.52
2	5N	1	ALA	CA-CB	-14.98	1.03	1.52
2	5R	1	ALA	CA-CB	-14.98	1.03	1.52
2	5Z	46	TYR	CB-CG	-14.98	1.18	1.51
2	6F	46	TYR	CB-CG	-14.98	1.18	1.51
2	6J	1	ALA	CA-CB	-14.98	1.03	1.52
2	6R	1	ALA	CA-CB	-14.98	1.03	1.52
2	6Z	46	TYR	CB-CG	-14.98	1.18	1.51
2	63	1	ALA	CA-CB	-14.98	1.03	1.52
2	67	1	ALA	CA-CB	-14.98	1.03	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	7B	1	ALA	CA-CB	-14.98	1.03	1.52
2	7J	46	TYR	CB-CG	-14.98	1.18	1.51
2	7N	1	ALA	CA-CB	-14.98	1.03	1.52
2	7V	46	TYR	CB-CG	-14.98	1.18	1.51
1	1M	148	LEU	CA-C	14.98	1.72	1.52
1	2I	148	LEU	CA-C	14.98	1.72	1.52
1	3A	148	LEU	CA-C	14.98	1.72	1.52
1	3I	148	LEU	CA-C	14.98	1.72	1.52
1	32	148	LEU	CA-C	14.98	1.72	1.52
1	4E	148	LEU	CA-C	14.98	1.72	1.52
1	4Y	148	LEU	CA-C	14.98	1.72	1.52
1	5U	148	LEU	CA-C	14.98	1.72	1.52
1	6M	148	LEU	CA-C	14.98	1.72	1.52
1	6U	148	LEU	CA-C	14.98	1.72	1.52
1	7E	148	LEU	CA-C	14.98	1.72	1.52
1	7Q	148	LEU	CA-C	14.98	1.72	1.52
2	1N	1	ALA	CA-CB	-14.98	1.03	1.52
2	1R	1	ALA	CA-CB	-14.98	1.03	1.52
2	1V	1	ALA	CA-CB	-14.98	1.03	1.52
2	1Z	1	ALA	CA-CB	-14.98	1.03	1.52
2	2J	1	ALA	CA-CB	-14.98	1.03	1.52
2	2R	1	ALA	CA-CB	-14.98	1.03	1.52
2	2V	1	ALA	CA-CB	-14.98	1.03	1.52
2	2Z	1	ALA	CA-CB	-14.98	1.03	1.52
2	3B	1	ALA	CA-CB	-14.98	1.03	1.52
2	3J	1	ALA	CA-CB	-14.98	1.03	1.52
2	33	1	ALA	CA-CB	-14.98	1.03	1.52
2	4F	1	ALA	CA-CB	-14.98	1.03	1.52
2	4Z	1	ALA	CA-CB	-14.98	1.03	1.52
2	43	1	ALA	CA-CB	-14.98	1.03	1.52
2	47	1	ALA	CA-CB	-14.98	1.03	1.52
2	5B	1	ALA	CA-CB	-14.98	1.03	1.52
2	5V	1	ALA	CA-CB	-14.98	1.03	1.52
2	53	1	ALA	CA-CB	-14.98	1.03	1.52
2	57	1	ALA	CA-CB	-14.98	1.03	1.52
2	6B	1	ALA	CA-CB	-14.98	1.03	1.52
2	6N	1	ALA	CA-CB	-14.98	1.03	1.52
2	6V	1	ALA	CA-CB	-14.98	1.03	1.52
2	7F	1	ALA	CA-CB	-14.98	1.03	1.52
2	7R	1	ALA	CA-CB	-14.98	1.03	1.52
1	12	41	ILE	N-CA	14.98	1.62	1.46
1	16	41	ILE	N-CA	14.98	1.62	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	41	ILE	N-CA	14.98	1.62	1.46
1	3Q	41	ILE	N-CA	14.98	1.62	1.46
1	3U	41	ILE	N-CA	14.98	1.62	1.46
1	3Y	41	ILE	N-CA	14.98	1.62	1.46
1	5E	41	ILE	N-CA	14.98	1.62	1.46
1	5I	41	ILE	N-CA	14.98	1.62	1.46
1	5M	41	ILE	N-CA	14.98	1.62	1.46
1	62	41	ILE	N-CA	14.98	1.62	1.46
1	66	41	ILE	N-CA	14.98	1.62	1.46
1	7A	41	ILE	N-CA	14.98	1.62	1.46
2	13	46	TYR	CB-CG	-14.97	1.18	1.51
2	17	46	TYR	CB-CG	-14.97	1.18	1.51
2	2B	46	TYR	CB-CG	-14.97	1.18	1.51
2	3R	46	TYR	CB-CG	-14.97	1.18	1.51
2	3V	46	TYR	CB-CG	-14.97	1.18	1.51
2	3Z	46	TYR	CB-CG	-14.97	1.18	1.51
2	5F	46	TYR	CB-CG	-14.97	1.18	1.51
2	5J	46	TYR	CB-CG	-14.97	1.18	1.51
2	5N	46	TYR	CB-CG	-14.97	1.18	1.51
2	63	46	TYR	CB-CG	-14.97	1.18	1.51
2	67	46	TYR	CB-CG	-14.97	1.18	1.51
2	7B	46	TYR	CB-CG	-14.97	1.18	1.51
2	1F	1	ALA	CA-CB	-14.97	1.03	1.52
2	2N	1	ALA	CA-CB	-14.97	1.03	1.52
2	23	1	ALA	CA-CB	-14.97	1.03	1.52
2	3N	1	ALA	CA-CB	-14.97	1.03	1.52
2	37	1	ALA	CA-CB	-14.97	1.03	1.52
2	4J	1	ALA	CA-CB	-14.97	1.03	1.52
2	4R	1	ALA	CA-CB	-14.97	1.03	1.52
2	5Z	1	ALA	CA-CB	-14.97	1.03	1.52
2	6F	1	ALA	CA-CB	-14.97	1.03	1.52
2	6Z	1	ALA	CA-CB	-14.97	1.03	1.52
2	7J	1	ALA	CA-CB	-14.97	1.03	1.52
2	7V	1	ALA	CA-CB	-14.97	1.03	1.52
2	13	78	HIS	ND1-CE1	-14.95	1.17	1.32
2	17	78	HIS	ND1-CE1	-14.95	1.17	1.32
2	2B	78	HIS	ND1-CE1	-14.95	1.17	1.32
2	3R	78	HIS	ND1-CE1	-14.95	1.17	1.32
2	3V	78	HIS	ND1-CE1	-14.95	1.17	1.32
2	3Z	78	HIS	ND1-CE1	-14.95	1.17	1.32
2	5F	78	HIS	ND1-CE1	-14.95	1.17	1.32
2	5J	78	HIS	ND1-CE1	-14.95	1.17	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	78	HIS	ND1-CE1	-14.95	1.17	1.32
2	63	78	HIS	ND1-CE1	-14.95	1.17	1.32
2	67	78	HIS	ND1-CE1	-14.95	1.17	1.32
2	7B	78	HIS	ND1-CE1	-14.95	1.17	1.32
1	1Q	85	LEU	CA-CB	-14.95	1.32	1.53
1	1U	85	LEU	CA-CB	-14.95	1.32	1.53
1	1Y	85	LEU	CA-CB	-14.95	1.32	1.53
1	2Q	85	LEU	CA-CB	-14.95	1.32	1.53
1	2U	85	LEU	CA-CB	-14.95	1.32	1.53
1	2Y	85	LEU	CA-CB	-14.95	1.32	1.53
1	42	85	LEU	CA-CB	-14.95	1.32	1.53
1	46	85	LEU	CA-CB	-14.95	1.32	1.53
1	5A	85	LEU	CA-CB	-14.95	1.32	1.53
1	52	85	LEU	CA-CB	-14.95	1.32	1.53
1	56	85	LEU	CA-CB	-14.95	1.32	1.53
1	6A	85	LEU	CA-CB	-14.95	1.32	1.53
2	13	27	PRO	C-N	14.95	1.53	1.33
2	17	27	PRO	C-N	14.95	1.53	1.33
2	2B	27	PRO	C-N	14.95	1.53	1.33
2	3R	27	PRO	C-N	14.95	1.53	1.33
2	3V	27	PRO	C-N	14.95	1.53	1.33
2	3Z	27	PRO	C-N	14.95	1.53	1.33
2	5F	27	PRO	C-N	14.95	1.53	1.33
2	5J	27	PRO	C-N	14.95	1.53	1.33
2	5N	27	PRO	C-N	14.95	1.53	1.33
2	63	27	PRO	C-N	14.95	1.53	1.33
2	67	27	PRO	C-N	14.95	1.53	1.33
2	7B	27	PRO	C-N	14.95	1.53	1.33
2	1F	73	GLY	CA-C	14.94	1.67	1.51
2	2N	73	GLY	CA-C	14.94	1.67	1.51
2	23	73	GLY	CA-C	14.94	1.67	1.51
2	3N	73	GLY	CA-C	14.94	1.67	1.51
2	37	73	GLY	CA-C	14.94	1.67	1.51
2	4J	73	GLY	CA-C	14.94	1.67	1.51
2	4R	73	GLY	CA-C	14.94	1.67	1.51
2	5Z	73	GLY	CA-C	14.94	1.67	1.51
2	6F	73	GLY	CA-C	14.94	1.67	1.51
2	6Z	73	GLY	CA-C	14.94	1.67	1.51
2	7J	73	GLY	CA-C	14.94	1.67	1.51
2	7V	73	GLY	CA-C	14.94	1.67	1.51
1	1E	171	ARG	N-CA	14.94	1.64	1.46
2	1R	27	PRO	C-N	14.94	1.53	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1R	73	GLY	CA-C	14.94	1.67	1.51
2	1V	27	PRO	C-N	14.94	1.53	1.33
2	1V	73	GLY	CA-C	14.94	1.67	1.51
2	1Z	27	PRO	C-N	14.94	1.53	1.33
2	1Z	73	GLY	CA-C	14.94	1.67	1.51
1	2M	171	ARG	N-CA	14.94	1.64	1.46
2	2R	27	PRO	C-N	14.94	1.53	1.33
2	2R	73	GLY	CA-C	14.94	1.67	1.51
2	2V	27	PRO	C-N	14.94	1.53	1.33
2	2V	73	GLY	CA-C	14.94	1.67	1.51
2	2Z	27	PRO	C-N	14.94	1.53	1.33
2	2Z	73	GLY	CA-C	14.94	1.67	1.51
1	22	171	ARG	N-CA	14.94	1.64	1.46
1	3M	171	ARG	N-CA	14.94	1.64	1.46
1	36	171	ARG	N-CA	14.94	1.64	1.46
1	4I	171	ARG	N-CA	14.94	1.64	1.46
1	4Q	171	ARG	N-CA	14.94	1.64	1.46
2	43	27	PRO	C-N	14.94	1.53	1.33
2	43	73	GLY	CA-C	14.94	1.67	1.51
2	47	27	PRO	C-N	14.94	1.53	1.33
2	47	73	GLY	CA-C	14.94	1.67	1.51
2	5B	27	PRO	C-N	14.94	1.53	1.33
2	5B	73	GLY	CA-C	14.94	1.67	1.51
1	5Y	171	ARG	N-CA	14.94	1.64	1.46
2	53	27	PRO	C-N	14.94	1.53	1.33
2	53	73	GLY	CA-C	14.94	1.67	1.51
2	57	27	PRO	C-N	14.94	1.53	1.33
2	57	73	GLY	CA-C	14.94	1.67	1.51
2	6B	27	PRO	C-N	14.94	1.53	1.33
2	6B	73	GLY	CA-C	14.94	1.67	1.51
1	6E	171	ARG	N-CA	14.94	1.64	1.46
1	6Y	171	ARG	N-CA	14.94	1.64	1.46
1	7I	171	ARG	N-CA	14.94	1.64	1.46
1	7U	171	ARG	N-CA	14.94	1.64	1.46
2	1F	78	HIS	ND1-CE1	-14.93	1.17	1.32
2	2N	78	HIS	ND1-CE1	-14.93	1.17	1.32
2	23	78	HIS	ND1-CE1	-14.93	1.17	1.32
2	3N	78	HIS	ND1-CE1	-14.93	1.17	1.32
2	37	78	HIS	ND1-CE1	-14.93	1.17	1.32
2	4J	78	HIS	ND1-CE1	-14.93	1.17	1.32
2	4R	78	HIS	ND1-CE1	-14.93	1.17	1.32
2	5Z	78	HIS	ND1-CE1	-14.93	1.17	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	78	HIS	ND1-CE1	-14.93	1.17	1.32
2	6Z	78	HIS	ND1-CE1	-14.93	1.17	1.32
2	7J	78	HIS	ND1-CE1	-14.93	1.17	1.32
2	7V	78	HIS	ND1-CE1	-14.93	1.17	1.32
1	1A	41	ILE	N-CA	14.93	1.62	1.46
1	1I	41	ILE	N-CA	14.93	1.62	1.46
1	1M	41	ILE	N-CA	14.93	1.62	1.46
1	2E	41	ILE	N-CA	14.93	1.62	1.46
1	2I	41	ILE	N-CA	14.93	1.62	1.46
1	26	41	ILE	N-CA	14.93	1.62	1.46
1	3A	41	ILE	N-CA	14.93	1.62	1.46
1	3E	41	ILE	N-CA	14.93	1.62	1.46
1	3I	41	ILE	N-CA	14.93	1.62	1.46
1	32	41	ILE	N-CA	14.93	1.62	1.46
1	4A	41	ILE	N-CA	14.93	1.62	1.46
1	4E	41	ILE	N-CA	14.93	1.62	1.46
1	4M	41	ILE	N-CA	14.93	1.62	1.46
1	4U	41	ILE	N-CA	14.93	1.62	1.46
1	4Y	41	ILE	N-CA	14.93	1.62	1.46
1	5Q	41	ILE	N-CA	14.93	1.62	1.46
1	5U	41	ILE	N-CA	14.93	1.62	1.46
1	6I	41	ILE	N-CA	14.93	1.62	1.46
1	6M	41	ILE	N-CA	14.93	1.62	1.46
1	6Q	41	ILE	N-CA	14.93	1.62	1.46
1	6U	41	ILE	N-CA	14.93	1.62	1.46
1	7E	41	ILE	N-CA	14.93	1.62	1.46
1	7M	41	ILE	N-CA	14.93	1.62	1.46
1	7Q	41	ILE	N-CA	14.93	1.62	1.46
2	1B	27	PRO	C-N	14.92	1.53	1.33
2	1J	27	PRO	C-N	14.92	1.53	1.33
2	1N	78	HIS	ND1-CE1	-14.92	1.17	1.32
2	2F	27	PRO	C-N	14.92	1.53	1.33
2	2J	78	HIS	ND1-CE1	-14.92	1.17	1.32
2	27	27	PRO	C-N	14.92	1.53	1.33
2	3B	78	HIS	ND1-CE1	-14.92	1.17	1.32
2	3F	27	PRO	C-N	14.92	1.53	1.33
2	3J	78	HIS	ND1-CE1	-14.92	1.17	1.32
2	33	78	HIS	ND1-CE1	-14.92	1.17	1.32
2	4B	27	PRO	C-N	14.92	1.53	1.33
2	4F	78	HIS	ND1-CE1	-14.92	1.17	1.32
2	4N	27	PRO	C-N	14.92	1.53	1.33
2	4V	27	PRO	C-N	14.92	1.53	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4Z	78	HIS	ND1-CE1	-14.92	1.17	1.32
2	5R	27	PRO	C-N	14.92	1.53	1.33
2	5V	78	HIS	ND1-CE1	-14.92	1.17	1.32
2	6J	27	PRO	C-N	14.92	1.53	1.33
2	6N	78	HIS	ND1-CE1	-14.92	1.17	1.32
2	6R	27	PRO	C-N	14.92	1.53	1.33
2	6V	78	HIS	ND1-CE1	-14.92	1.17	1.32
2	7F	78	HIS	ND1-CE1	-14.92	1.17	1.32
2	7N	27	PRO	C-N	14.92	1.53	1.33
2	7R	78	HIS	ND1-CE1	-14.92	1.17	1.32
1	1A	85	LEU	CA-CB	-14.92	1.32	1.53
1	1I	85	LEU	CA-CB	-14.92	1.32	1.53
2	13	39	ASP	CB-CG	14.92	1.89	1.52
2	17	39	ASP	CB-CG	14.92	1.89	1.52
2	2B	39	ASP	CB-CG	14.92	1.89	1.52
1	2E	85	LEU	CA-CB	-14.92	1.32	1.53
1	26	85	LEU	CA-CB	-14.92	1.32	1.53
1	3E	85	LEU	CA-CB	-14.92	1.32	1.53
2	3R	39	ASP	CB-CG	14.92	1.89	1.52
2	3V	39	ASP	CB-CG	14.92	1.89	1.52
2	3Z	39	ASP	CB-CG	14.92	1.89	1.52
1	4A	85	LEU	CA-CB	-14.92	1.32	1.53
1	4M	85	LEU	CA-CB	-14.92	1.32	1.53
1	4U	85	LEU	CA-CB	-14.92	1.32	1.53
2	5F	39	ASP	CB-CG	14.92	1.89	1.52
2	5J	39	ASP	CB-CG	14.92	1.89	1.52
2	5N	39	ASP	CB-CG	14.92	1.89	1.52
1	5Q	85	LEU	CA-CB	-14.92	1.32	1.53
1	6I	85	LEU	CA-CB	-14.92	1.32	1.53
1	6Q	85	LEU	CA-CB	-14.92	1.32	1.53
2	63	39	ASP	CB-CG	14.92	1.89	1.52
2	67	39	ASP	CB-CG	14.92	1.89	1.52
2	7B	39	ASP	CB-CG	14.92	1.89	1.52
1	7M	85	LEU	CA-CB	-14.92	1.32	1.53
1	1E	41	ILE	N-CA	14.92	1.62	1.46
1	1M	171	ARG	N-CA	14.92	1.64	1.46
1	2I	171	ARG	N-CA	14.92	1.64	1.46
1	2M	41	ILE	N-CA	14.92	1.62	1.46
1	22	41	ILE	N-CA	14.92	1.62	1.46
1	3A	171	ARG	N-CA	14.92	1.64	1.46
1	3I	171	ARG	N-CA	14.92	1.64	1.46
1	3M	41	ILE	N-CA	14.92	1.62	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	32	171	ARG	N-CA	14.92	1.64	1.46
1	36	41	ILE	N-CA	14.92	1.62	1.46
1	4E	171	ARG	N-CA	14.92	1.64	1.46
1	4I	41	ILE	N-CA	14.92	1.62	1.46
1	4Q	41	ILE	N-CA	14.92	1.62	1.46
1	4Y	171	ARG	N-CA	14.92	1.64	1.46
1	5U	171	ARG	N-CA	14.92	1.64	1.46
1	5Y	41	ILE	N-CA	14.92	1.62	1.46
1	6E	41	ILE	N-CA	14.92	1.62	1.46
1	6M	171	ARG	N-CA	14.92	1.64	1.46
1	6U	171	ARG	N-CA	14.92	1.64	1.46
1	6Y	41	ILE	N-CA	14.92	1.62	1.46
1	7E	171	ARG	N-CA	14.92	1.64	1.46
1	7I	41	ILE	N-CA	14.92	1.62	1.46
1	7Q	171	ARG	N-CA	14.92	1.64	1.46
1	7U	41	ILE	N-CA	14.92	1.62	1.46
2	1F	39	ASP	CB-CG	14.91	1.89	1.52
1	1Q	171	ARG	N-CA	14.91	1.64	1.46
1	1U	171	ARG	N-CA	14.91	1.64	1.46
1	1Y	171	ARG	N-CA	14.91	1.64	1.46
2	2N	39	ASP	CB-CG	14.91	1.89	1.52
1	2Q	171	ARG	N-CA	14.91	1.64	1.46
1	2U	171	ARG	N-CA	14.91	1.64	1.46
1	2Y	171	ARG	N-CA	14.91	1.64	1.46
2	23	39	ASP	CB-CG	14.91	1.89	1.52
2	3N	39	ASP	CB-CG	14.91	1.89	1.52
2	37	39	ASP	CB-CG	14.91	1.89	1.52
2	4J	39	ASP	CB-CG	14.91	1.89	1.52
2	4R	39	ASP	CB-CG	14.91	1.89	1.52
1	42	171	ARG	N-CA	14.91	1.64	1.46
1	46	171	ARG	N-CA	14.91	1.64	1.46
1	5A	171	ARG	N-CA	14.91	1.64	1.46
2	5Z	39	ASP	CB-CG	14.91	1.89	1.52
1	52	171	ARG	N-CA	14.91	1.64	1.46
1	56	171	ARG	N-CA	14.91	1.64	1.46
1	6A	171	ARG	N-CA	14.91	1.64	1.46
2	6F	39	ASP	CB-CG	14.91	1.89	1.52
2	6Z	39	ASP	CB-CG	14.91	1.89	1.52
2	7J	39	ASP	CB-CG	14.91	1.89	1.52
2	7V	39	ASP	CB-CG	14.91	1.89	1.52
1	1E	85	LEU	CA-CB	-14.91	1.32	1.53
1	2M	85	LEU	CA-CB	-14.91	1.32	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	85	LEU	CA-CB	-14.91	1.32	1.53
1	3M	85	LEU	CA-CB	-14.91	1.32	1.53
1	36	85	LEU	CA-CB	-14.91	1.32	1.53
1	4I	85	LEU	CA-CB	-14.91	1.32	1.53
1	4Q	85	LEU	CA-CB	-14.91	1.32	1.53
1	5Y	85	LEU	CA-CB	-14.91	1.32	1.53
1	6E	85	LEU	CA-CB	-14.91	1.32	1.53
1	6Y	85	LEU	CA-CB	-14.91	1.32	1.53
1	7I	85	LEU	CA-CB	-14.91	1.32	1.53
1	7U	85	LEU	CA-CB	-14.91	1.32	1.53
2	1F	27	PRO	C-N	14.90	1.53	1.33
1	12	85	LEU	CA-CB	-14.90	1.32	1.53
1	16	85	LEU	CA-CB	-14.90	1.32	1.53
1	2A	85	LEU	CA-CB	-14.90	1.32	1.53
2	2N	27	PRO	C-N	14.90	1.53	1.33
2	23	27	PRO	C-N	14.90	1.53	1.33
2	3N	27	PRO	C-N	14.90	1.53	1.33
1	3Q	85	LEU	CA-CB	-14.90	1.32	1.53
1	3U	85	LEU	CA-CB	-14.90	1.32	1.53
1	3Y	85	LEU	CA-CB	-14.90	1.32	1.53
2	37	27	PRO	C-N	14.90	1.53	1.33
2	4J	27	PRO	C-N	14.90	1.53	1.33
2	4R	27	PRO	C-N	14.90	1.53	1.33
1	5E	85	LEU	CA-CB	-14.90	1.32	1.53
1	5I	85	LEU	CA-CB	-14.90	1.32	1.53
1	5M	85	LEU	CA-CB	-14.90	1.32	1.53
2	5Z	27	PRO	C-N	14.90	1.53	1.33
2	6F	27	PRO	C-N	14.90	1.53	1.33
2	6Z	27	PRO	C-N	14.90	1.53	1.33
1	62	85	LEU	CA-CB	-14.90	1.32	1.53
1	66	85	LEU	CA-CB	-14.90	1.32	1.53
1	7A	85	LEU	CA-CB	-14.90	1.32	1.53
2	7J	27	PRO	C-N	14.90	1.53	1.33
2	7V	27	PRO	C-N	14.90	1.53	1.33
1	1A	171	ARG	N-CA	14.90	1.64	1.46
1	1I	171	ARG	N-CA	14.90	1.64	1.46
1	2E	171	ARG	N-CA	14.90	1.64	1.46
1	26	171	ARG	N-CA	14.90	1.64	1.46
1	3E	171	ARG	N-CA	14.90	1.64	1.46
1	4A	171	ARG	N-CA	14.90	1.64	1.46
1	4M	171	ARG	N-CA	14.90	1.64	1.46
1	4U	171	ARG	N-CA	14.90	1.64	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	171	ARG	N-CA	14.90	1.64	1.46
1	6I	171	ARG	N-CA	14.90	1.64	1.46
1	6Q	171	ARG	N-CA	14.90	1.64	1.46
1	7M	171	ARG	N-CA	14.90	1.64	1.46
2	1N	27	PRO	C-N	14.90	1.53	1.33
2	2J	27	PRO	C-N	14.90	1.53	1.33
2	3B	27	PRO	C-N	14.90	1.53	1.33
2	3J	27	PRO	C-N	14.90	1.53	1.33
2	33	27	PRO	C-N	14.90	1.53	1.33
2	4F	27	PRO	C-N	14.90	1.53	1.33
2	4Z	27	PRO	C-N	14.90	1.53	1.33
2	5V	27	PRO	C-N	14.90	1.53	1.33
2	6N	27	PRO	C-N	14.90	1.53	1.33
2	6V	27	PRO	C-N	14.90	1.53	1.33
2	7F	27	PRO	C-N	14.90	1.53	1.33
2	7R	27	PRO	C-N	14.90	1.53	1.33
2	1B	78	HIS	ND1-CE1	-14.90	1.17	1.32
2	1J	78	HIS	ND1-CE1	-14.90	1.17	1.32
2	2F	78	HIS	ND1-CE1	-14.90	1.17	1.32
2	27	78	HIS	ND1-CE1	-14.90	1.17	1.32
2	3F	78	HIS	ND1-CE1	-14.90	1.17	1.32
2	4B	78	HIS	ND1-CE1	-14.90	1.17	1.32
2	4N	78	HIS	ND1-CE1	-14.90	1.17	1.32
2	4V	78	HIS	ND1-CE1	-14.90	1.17	1.32
2	5R	78	HIS	ND1-CE1	-14.90	1.17	1.32
2	6J	78	HIS	ND1-CE1	-14.90	1.17	1.32
2	6R	78	HIS	ND1-CE1	-14.90	1.17	1.32
2	7N	78	HIS	ND1-CE1	-14.90	1.17	1.32
1	1M	85	LEU	CA-CB	-14.90	1.32	1.53
2	13	73	GLY	CA-C	14.90	1.67	1.51
2	17	73	GLY	CA-C	14.90	1.67	1.51
2	2B	73	GLY	CA-C	14.90	1.67	1.51
1	2I	85	LEU	CA-CB	-14.90	1.32	1.53
1	3A	85	LEU	CA-CB	-14.90	1.32	1.53
1	3I	85	LEU	CA-CB	-14.90	1.32	1.53
2	3R	73	GLY	CA-C	14.90	1.67	1.51
2	3V	73	GLY	CA-C	14.90	1.67	1.51
2	3Z	73	GLY	CA-C	14.90	1.67	1.51
1	32	85	LEU	CA-CB	-14.90	1.32	1.53
1	4E	85	LEU	CA-CB	-14.90	1.32	1.53
1	4Y	85	LEU	CA-CB	-14.90	1.32	1.53
2	5F	73	GLY	CA-C	14.90	1.67	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5J	73	GLY	CA-C	14.90	1.67	1.51
2	5N	73	GLY	CA-C	14.90	1.67	1.51
1	5U	85	LEU	CA-CB	-14.90	1.32	1.53
1	6M	85	LEU	CA-CB	-14.90	1.32	1.53
1	6U	85	LEU	CA-CB	-14.90	1.32	1.53
2	63	73	GLY	CA-C	14.90	1.67	1.51
2	67	73	GLY	CA-C	14.90	1.67	1.51
2	7B	73	GLY	CA-C	14.90	1.67	1.51
1	7E	85	LEU	CA-CB	-14.90	1.32	1.53
1	7Q	85	LEU	CA-CB	-14.90	1.32	1.53
2	1B	39	ASP	CB-CG	14.89	1.89	1.52
2	1J	39	ASP	CB-CG	14.89	1.89	1.52
2	2F	39	ASP	CB-CG	14.89	1.89	1.52
2	27	39	ASP	CB-CG	14.89	1.89	1.52
2	3F	39	ASP	CB-CG	14.89	1.89	1.52
2	4B	39	ASP	CB-CG	14.89	1.89	1.52
2	4N	39	ASP	CB-CG	14.89	1.89	1.52
2	4V	39	ASP	CB-CG	14.89	1.89	1.52
2	5R	39	ASP	CB-CG	14.89	1.89	1.52
2	6J	39	ASP	CB-CG	14.89	1.89	1.52
2	6R	39	ASP	CB-CG	14.89	1.89	1.52
2	7N	39	ASP	CB-CG	14.89	1.89	1.52
2	1N	39	ASP	CB-CG	14.89	1.89	1.52
2	1R	39	ASP	CB-CG	14.89	1.89	1.52
2	1V	39	ASP	CB-CG	14.89	1.89	1.52
2	1Z	39	ASP	CB-CG	14.89	1.89	1.52
2	2J	39	ASP	CB-CG	14.89	1.89	1.52
2	2R	39	ASP	CB-CG	14.89	1.89	1.52
2	2V	39	ASP	CB-CG	14.89	1.89	1.52
2	2Z	39	ASP	CB-CG	14.89	1.89	1.52
2	3B	39	ASP	CB-CG	14.89	1.89	1.52
2	3J	39	ASP	CB-CG	14.89	1.89	1.52
2	33	39	ASP	CB-CG	14.89	1.89	1.52
2	4F	39	ASP	CB-CG	14.89	1.89	1.52
2	4Z	39	ASP	CB-CG	14.89	1.89	1.52
2	43	39	ASP	CB-CG	14.89	1.89	1.52
2	47	39	ASP	CB-CG	14.89	1.89	1.52
2	5B	39	ASP	CB-CG	14.89	1.89	1.52
2	5V	39	ASP	CB-CG	14.89	1.89	1.52
2	53	39	ASP	CB-CG	14.89	1.89	1.52
2	57	39	ASP	CB-CG	14.89	1.89	1.52
2	6B	39	ASP	CB-CG	14.89	1.89	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	39	ASP	CB-CG	14.89	1.89	1.52
2	6V	39	ASP	CB-CG	14.89	1.89	1.52
2	7F	39	ASP	CB-CG	14.89	1.89	1.52
2	7R	39	ASP	CB-CG	14.89	1.89	1.52
2	1N	73	GLY	CA-C	14.89	1.67	1.51
2	2J	73	GLY	CA-C	14.89	1.67	1.51
2	3B	73	GLY	CA-C	14.89	1.67	1.51
2	3J	73	GLY	CA-C	14.89	1.67	1.51
2	33	73	GLY	CA-C	14.89	1.67	1.51
2	4F	73	GLY	CA-C	14.89	1.67	1.51
2	4Z	73	GLY	CA-C	14.89	1.67	1.51
2	5V	73	GLY	CA-C	14.89	1.67	1.51
2	6N	73	GLY	CA-C	14.89	1.67	1.51
2	6V	73	GLY	CA-C	14.89	1.67	1.51
2	7F	73	GLY	CA-C	14.89	1.67	1.51
2	7R	73	GLY	CA-C	14.89	1.67	1.51
2	13	74	TYR	CD1-CE1	-14.88	0.94	1.38
2	17	74	TYR	CD1-CE1	-14.88	0.94	1.38
2	2B	74	TYR	CD1-CE1	-14.88	0.94	1.38
2	3R	74	TYR	CD1-CE1	-14.88	0.94	1.38
2	3V	74	TYR	CD1-CE1	-14.88	0.94	1.38
2	3Z	74	TYR	CD1-CE1	-14.88	0.94	1.38
2	5F	74	TYR	CD1-CE1	-14.88	0.94	1.38
2	5J	74	TYR	CD1-CE1	-14.88	0.94	1.38
2	5N	74	TYR	CD1-CE1	-14.88	0.94	1.38
2	63	74	TYR	CD1-CE1	-14.88	0.94	1.38
2	67	74	TYR	CD1-CE1	-14.88	0.94	1.38
2	7B	74	TYR	CD1-CE1	-14.88	0.94	1.38
2	1B	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	1F	107	PHE	CE2-CZ	14.87	1.83	1.38
2	1J	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	1N	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	2N	107	PHE	CE2-CZ	14.87	1.83	1.38
2	37	107	PHE	CE2-CZ	14.87	1.83	1.38
1	12	171	ARG	N-CA	14.87	1.64	1.46
1	16	171	ARG	N-CA	14.87	1.64	1.46
1	2A	171	ARG	N-CA	14.87	1.64	1.46
2	2F	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	2J	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	23	107	PHE	CE2-CZ	14.87	1.83	1.38
2	27	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	3B	74	TYR	CD1-CE1	-14.87	0.94	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3F	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	3J	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	3N	107	PHE	CE2-CZ	14.87	1.83	1.38
2	4J	107	PHE	CE2-CZ	14.87	1.83	1.38
2	4R	107	PHE	CE2-CZ	14.87	1.83	1.38
2	5Z	107	PHE	CE2-CZ	14.87	1.83	1.38
1	3Q	171	ARG	N-CA	14.87	1.64	1.46
1	3U	171	ARG	N-CA	14.87	1.64	1.46
1	3Y	171	ARG	N-CA	14.87	1.64	1.46
2	33	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	4B	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	4F	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	4N	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	4V	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	4Z	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	6F	107	PHE	CE2-CZ	14.87	1.83	1.38
2	7J	107	PHE	CE2-CZ	14.87	1.83	1.38
1	5E	171	ARG	N-CA	14.87	1.64	1.46
1	5I	171	ARG	N-CA	14.87	1.64	1.46
1	5M	171	ARG	N-CA	14.87	1.64	1.46
2	5R	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	5V	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	6J	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	6N	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	6R	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	6V	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	6Z	107	PHE	CE2-CZ	14.87	1.83	1.38
2	7V	107	PHE	CE2-CZ	14.87	1.83	1.38
1	62	171	ARG	N-CA	14.87	1.64	1.46
1	66	171	ARG	N-CA	14.87	1.64	1.46
1	7A	171	ARG	N-CA	14.87	1.64	1.46
2	7F	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	7N	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	7R	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	1B	73	GLY	CA-C	14.87	1.67	1.51
2	1J	73	GLY	CA-C	14.87	1.67	1.51
2	1N	31	PHE	CG-CD1	-14.87	1.07	1.38
2	13	107	PHE	CE2-CZ	14.87	1.83	1.38
2	17	107	PHE	CE2-CZ	14.87	1.83	1.38
2	2B	107	PHE	CE2-CZ	14.87	1.83	1.38
2	2F	73	GLY	CA-C	14.87	1.67	1.51
2	2J	31	PHE	CG-CD1	-14.87	1.07	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	27	73	GLY	CA-C	14.87	1.67	1.51
2	3B	31	PHE	CG-CD1	-14.87	1.07	1.38
2	3F	73	GLY	CA-C	14.87	1.67	1.51
2	3J	31	PHE	CG-CD1	-14.87	1.07	1.38
2	3R	107	PHE	CE2-CZ	14.87	1.83	1.38
2	3V	107	PHE	CE2-CZ	14.87	1.83	1.38
2	3Z	107	PHE	CE2-CZ	14.87	1.83	1.38
2	33	31	PHE	CG-CD1	-14.87	1.07	1.38
2	4B	73	GLY	CA-C	14.87	1.67	1.51
2	4F	31	PHE	CG-CD1	-14.87	1.07	1.38
2	4N	73	GLY	CA-C	14.87	1.67	1.51
2	4V	73	GLY	CA-C	14.87	1.67	1.51
2	4Z	31	PHE	CG-CD1	-14.87	1.07	1.38
2	5F	107	PHE	CE2-CZ	14.87	1.83	1.38
2	5J	107	PHE	CE2-CZ	14.87	1.83	1.38
2	5N	107	PHE	CE2-CZ	14.87	1.83	1.38
2	5R	73	GLY	CA-C	14.87	1.67	1.51
2	5V	31	PHE	CG-CD1	-14.87	1.07	1.38
2	6J	73	GLY	CA-C	14.87	1.67	1.51
2	6N	31	PHE	CG-CD1	-14.87	1.07	1.38
2	6R	73	GLY	CA-C	14.87	1.67	1.51
2	6V	31	PHE	CG-CD1	-14.87	1.07	1.38
2	63	107	PHE	CE2-CZ	14.87	1.83	1.38
2	67	107	PHE	CE2-CZ	14.87	1.83	1.38
2	7B	107	PHE	CE2-CZ	14.87	1.83	1.38
2	7F	31	PHE	CG-CD1	-14.87	1.07	1.38
2	7N	73	GLY	CA-C	14.87	1.67	1.51
2	7R	31	PHE	CG-CD1	-14.87	1.07	1.38
2	1F	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	1R	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	1V	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	1Z	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	2N	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	2R	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	2V	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	2Z	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	23	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	3N	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	37	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	4J	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	4R	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	43	74	TYR	CD1-CE1	-14.87	0.94	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	5B	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	5Z	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	53	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	57	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	6B	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	6F	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	6Z	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	7J	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	7V	74	TYR	CD1-CE1	-14.87	0.94	1.38
2	1B	107	PHE	CE2-CZ	14.86	1.83	1.38
2	1J	107	PHE	CE2-CZ	14.86	1.83	1.38
2	1R	107	PHE	CE2-CZ	14.86	1.83	1.38
2	1V	107	PHE	CE2-CZ	14.86	1.83	1.38
2	1Z	107	PHE	CE2-CZ	14.86	1.83	1.38
2	2F	107	PHE	CE2-CZ	14.86	1.83	1.38
2	2R	107	PHE	CE2-CZ	14.86	1.83	1.38
2	2V	107	PHE	CE2-CZ	14.86	1.83	1.38
2	2Z	107	PHE	CE2-CZ	14.86	1.83	1.38
2	27	107	PHE	CE2-CZ	14.86	1.83	1.38
2	3F	107	PHE	CE2-CZ	14.86	1.83	1.38
2	4B	107	PHE	CE2-CZ	14.86	1.83	1.38
2	4N	107	PHE	CE2-CZ	14.86	1.83	1.38
2	4V	107	PHE	CE2-CZ	14.86	1.83	1.38
2	43	107	PHE	CE2-CZ	14.86	1.83	1.38
2	47	107	PHE	CE2-CZ	14.86	1.83	1.38
2	5B	107	PHE	CE2-CZ	14.86	1.83	1.38
2	5R	107	PHE	CE2-CZ	14.86	1.83	1.38
2	53	107	PHE	CE2-CZ	14.86	1.83	1.38
2	57	107	PHE	CE2-CZ	14.86	1.83	1.38
2	6B	107	PHE	CE2-CZ	14.86	1.83	1.38
2	6J	107	PHE	CE2-CZ	14.86	1.83	1.38
2	6R	107	PHE	CE2-CZ	14.86	1.83	1.38
2	7N	107	PHE	CE2-CZ	14.86	1.83	1.38
2	1N	107	PHE	CE2-CZ	14.86	1.83	1.38
2	2J	107	PHE	CE2-CZ	14.86	1.83	1.38
2	3B	107	PHE	CE2-CZ	14.86	1.83	1.38
2	3J	107	PHE	CE2-CZ	14.86	1.83	1.38
2	33	107	PHE	CE2-CZ	14.86	1.83	1.38
2	4F	107	PHE	CE2-CZ	14.86	1.83	1.38
2	4Z	107	PHE	CE2-CZ	14.86	1.83	1.38
2	5V	107	PHE	CE2-CZ	14.86	1.83	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	107	PHE	CE2-CZ	14.86	1.83	1.38
2	6V	107	PHE	CE2-CZ	14.86	1.83	1.38
2	7F	107	PHE	CE2-CZ	14.86	1.83	1.38
2	7R	107	PHE	CE2-CZ	14.86	1.83	1.38
2	13	31	PHE	CG-CD1	-14.85	1.07	1.38
2	17	31	PHE	CG-CD1	-14.85	1.07	1.38
2	2B	31	PHE	CG-CD1	-14.85	1.07	1.38
2	3R	31	PHE	CG-CD1	-14.85	1.07	1.38
2	3V	31	PHE	CG-CD1	-14.85	1.07	1.38
2	3Z	31	PHE	CG-CD1	-14.85	1.07	1.38
2	5F	31	PHE	CG-CD1	-14.85	1.07	1.38
2	5J	31	PHE	CG-CD1	-14.85	1.07	1.38
2	5N	31	PHE	CG-CD1	-14.85	1.07	1.38
2	63	31	PHE	CG-CD1	-14.85	1.07	1.38
2	67	31	PHE	CG-CD1	-14.85	1.07	1.38
2	7B	31	PHE	CG-CD1	-14.85	1.07	1.38
2	1B	31	PHE	CG-CD1	-14.85	1.07	1.38
2	1J	31	PHE	CG-CD1	-14.85	1.07	1.38
2	2F	31	PHE	CG-CD1	-14.85	1.07	1.38
2	27	31	PHE	CG-CD1	-14.85	1.07	1.38
2	3F	31	PHE	CG-CD1	-14.85	1.07	1.38
2	4B	31	PHE	CG-CD1	-14.85	1.07	1.38
2	4N	31	PHE	CG-CD1	-14.85	1.07	1.38
2	4V	31	PHE	CG-CD1	-14.85	1.07	1.38
2	5R	31	PHE	CG-CD1	-14.85	1.07	1.38
2	6J	31	PHE	CG-CD1	-14.85	1.07	1.38
2	6R	31	PHE	CG-CD1	-14.85	1.07	1.38
2	7N	31	PHE	CG-CD1	-14.85	1.07	1.38
2	1F	31	PHE	CG-CD1	-14.83	1.07	1.38
2	2N	31	PHE	CG-CD1	-14.83	1.07	1.38
2	23	31	PHE	CG-CD1	-14.83	1.07	1.38
2	3N	31	PHE	CG-CD1	-14.83	1.07	1.38
2	37	31	PHE	CG-CD1	-14.83	1.07	1.38
2	4J	31	PHE	CG-CD1	-14.83	1.07	1.38
2	4R	31	PHE	CG-CD1	-14.83	1.07	1.38
2	5Z	31	PHE	CG-CD1	-14.83	1.07	1.38
2	6F	31	PHE	CG-CD1	-14.83	1.07	1.38
2	6Z	31	PHE	CG-CD1	-14.83	1.07	1.38
2	7J	31	PHE	CG-CD1	-14.83	1.07	1.38
2	7V	31	PHE	CG-CD1	-14.83	1.07	1.38
2	1R	31	PHE	CG-CD1	-14.82	1.07	1.38
2	1V	31	PHE	CG-CD1	-14.82	1.07	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	31	PHE	CG-CD1	-14.82	1.07	1.38
2	2R	31	PHE	CG-CD1	-14.82	1.07	1.38
2	2V	31	PHE	CG-CD1	-14.82	1.07	1.38
2	2Z	31	PHE	CG-CD1	-14.82	1.07	1.38
2	43	31	PHE	CG-CD1	-14.82	1.07	1.38
2	47	31	PHE	CG-CD1	-14.82	1.07	1.38
2	5B	31	PHE	CG-CD1	-14.82	1.07	1.38
2	53	31	PHE	CG-CD1	-14.82	1.07	1.38
2	57	31	PHE	CG-CD1	-14.82	1.07	1.38
2	6B	31	PHE	CG-CD1	-14.82	1.07	1.38
1	1E	156	SER	C-O	-14.82	1.05	1.24
1	12	182	PHE	CG-CD1	14.82	1.70	1.38
1	16	182	PHE	CG-CD1	14.82	1.70	1.38
1	2A	182	PHE	CG-CD1	14.82	1.70	1.38
1	3Q	182	PHE	CG-CD1	14.82	1.70	1.38
1	3U	182	PHE	CG-CD1	14.82	1.70	1.38
1	3Y	182	PHE	CG-CD1	14.82	1.70	1.38
1	5E	182	PHE	CG-CD1	14.82	1.70	1.38
1	5M	182	PHE	CG-CD1	14.82	1.70	1.38
1	62	182	PHE	CG-CD1	14.82	1.70	1.38
1	66	182	PHE	CG-CD1	14.82	1.70	1.38
2	1R	78	HIS	ND1-CE1	-14.82	1.17	1.32
2	1V	78	HIS	ND1-CE1	-14.82	1.17	1.32
2	1Z	78	HIS	ND1-CE1	-14.82	1.17	1.32
1	2M	156	SER	C-O	-14.82	1.05	1.24
2	2R	78	HIS	ND1-CE1	-14.82	1.17	1.32
2	2V	78	HIS	ND1-CE1	-14.82	1.17	1.32
2	2Z	78	HIS	ND1-CE1	-14.82	1.17	1.32
1	22	156	SER	C-O	-14.82	1.05	1.24
1	3M	156	SER	C-O	-14.82	1.05	1.24
1	36	156	SER	C-O	-14.82	1.05	1.24
1	4I	156	SER	C-O	-14.82	1.05	1.24
1	4Q	156	SER	C-O	-14.82	1.05	1.24
1	5I	182	PHE	CG-CD1	14.82	1.70	1.38
1	7A	182	PHE	CG-CD1	14.82	1.70	1.38
2	43	78	HIS	ND1-CE1	-14.82	1.17	1.32
2	47	78	HIS	ND1-CE1	-14.82	1.17	1.32
2	5B	78	HIS	ND1-CE1	-14.82	1.17	1.32
1	5Y	156	SER	C-O	-14.82	1.05	1.24
2	53	78	HIS	ND1-CE1	-14.82	1.17	1.32
2	57	78	HIS	ND1-CE1	-14.82	1.17	1.32
2	6B	78	HIS	ND1-CE1	-14.82	1.17	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	156	SER	C-O	-14.82	1.05	1.24
1	6Y	156	SER	C-O	-14.82	1.05	1.24
1	7I	156	SER	C-O	-14.82	1.05	1.24
1	7U	156	SER	C-O	-14.82	1.05	1.24
1	1Q	182	PHE	CG-CD1	14.81	1.70	1.38
1	1U	182	PHE	CG-CD1	14.81	1.70	1.38
1	1Y	182	PHE	CG-CD1	14.81	1.70	1.38
1	2Q	182	PHE	CG-CD1	14.81	1.70	1.38
1	2U	182	PHE	CG-CD1	14.81	1.70	1.38
1	2Y	182	PHE	CG-CD1	14.81	1.70	1.38
1	42	182	PHE	CG-CD1	14.81	1.70	1.38
1	46	182	PHE	CG-CD1	14.81	1.70	1.38
1	5A	182	PHE	CG-CD1	14.81	1.70	1.38
1	52	182	PHE	CG-CD1	14.81	1.70	1.38
1	56	182	PHE	CG-CD1	14.81	1.70	1.38
1	6A	182	PHE	CG-CD1	14.81	1.70	1.38
1	1A	182	PHE	CG-CD1	14.80	1.70	1.38
1	1I	182	PHE	CG-CD1	14.80	1.70	1.38
1	2E	182	PHE	CG-CD1	14.80	1.70	1.38
1	26	182	PHE	CG-CD1	14.80	1.70	1.38
1	3E	182	PHE	CG-CD1	14.80	1.70	1.38
1	4A	182	PHE	CG-CD1	14.80	1.70	1.38
1	4M	182	PHE	CG-CD1	14.80	1.70	1.38
1	4U	182	PHE	CG-CD1	14.80	1.70	1.38
1	5Q	182	PHE	CG-CD1	14.80	1.70	1.38
1	6I	182	PHE	CG-CD1	14.80	1.70	1.38
1	6Q	182	PHE	CG-CD1	14.80	1.70	1.38
1	7M	182	PHE	CG-CD1	14.80	1.70	1.38
1	1E	182	PHE	CG-CD1	14.79	1.70	1.38
1	2M	182	PHE	CG-CD1	14.79	1.70	1.38
1	22	182	PHE	CG-CD1	14.79	1.70	1.38
1	3M	182	PHE	CG-CD1	14.79	1.70	1.38
1	36	182	PHE	CG-CD1	14.79	1.70	1.38
1	4I	182	PHE	CG-CD1	14.79	1.70	1.38
1	4Q	182	PHE	CG-CD1	14.79	1.70	1.38
1	5Y	182	PHE	CG-CD1	14.79	1.70	1.38
1	6E	182	PHE	CG-CD1	14.79	1.70	1.38
1	6Y	182	PHE	CG-CD1	14.79	1.70	1.38
1	7I	182	PHE	CG-CD1	14.79	1.70	1.38
1	7U	182	PHE	CG-CD1	14.79	1.70	1.38
1	12	156	SER	C-O	-14.79	1.05	1.24
1	16	156	SER	C-O	-14.79	1.05	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	156	SER	C-O	-14.79	1.05	1.24
1	3Q	156	SER	C-O	-14.79	1.05	1.24
1	3U	156	SER	C-O	-14.79	1.05	1.24
1	3Y	156	SER	C-O	-14.79	1.05	1.24
1	5E	156	SER	C-O	-14.79	1.05	1.24
1	5I	156	SER	C-O	-14.79	1.05	1.24
1	5M	156	SER	C-O	-14.79	1.05	1.24
1	62	156	SER	C-O	-14.79	1.05	1.24
1	66	156	SER	C-O	-14.79	1.05	1.24
1	7A	156	SER	C-O	-14.79	1.05	1.24
1	1M	182	PHE	CG-CD1	14.79	1.70	1.38
1	2I	182	PHE	CG-CD1	14.79	1.70	1.38
1	3A	182	PHE	CG-CD1	14.79	1.70	1.38
1	3I	182	PHE	CG-CD1	14.79	1.70	1.38
1	32	182	PHE	CG-CD1	14.79	1.70	1.38
1	4E	182	PHE	CG-CD1	14.79	1.70	1.38
1	4Y	182	PHE	CG-CD1	14.79	1.70	1.38
1	5U	182	PHE	CG-CD1	14.79	1.70	1.38
1	6M	182	PHE	CG-CD1	14.79	1.70	1.38
1	6U	182	PHE	CG-CD1	14.79	1.70	1.38
1	7E	182	PHE	CG-CD1	14.79	1.70	1.38
1	7Q	182	PHE	CG-CD1	14.79	1.70	1.38
1	1A	156	SER	C-O	-14.78	1.05	1.24
1	1I	156	SER	C-O	-14.78	1.05	1.24
1	1Q	156	SER	C-O	-14.78	1.05	1.24
1	1U	156	SER	C-O	-14.78	1.05	1.24
1	1Y	156	SER	C-O	-14.78	1.05	1.24
1	2E	156	SER	C-O	-14.78	1.05	1.24
1	2Q	156	SER	C-O	-14.78	1.05	1.24
1	2U	156	SER	C-O	-14.78	1.05	1.24
1	2Y	156	SER	C-O	-14.78	1.05	1.24
1	26	156	SER	C-O	-14.78	1.05	1.24
1	3E	156	SER	C-O	-14.78	1.05	1.24
1	4A	156	SER	C-O	-14.78	1.05	1.24
1	4M	156	SER	C-O	-14.78	1.05	1.24
1	4U	156	SER	C-O	-14.78	1.05	1.24
1	42	156	SER	C-O	-14.78	1.05	1.24
1	46	156	SER	C-O	-14.78	1.05	1.24
1	5A	156	SER	C-O	-14.78	1.05	1.24
1	5Q	156	SER	C-O	-14.78	1.05	1.24
1	52	156	SER	C-O	-14.78	1.05	1.24
1	56	156	SER	C-O	-14.78	1.05	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6A	156	SER	C-O	-14.78	1.05	1.24
1	6I	156	SER	C-O	-14.78	1.05	1.24
1	6Q	156	SER	C-O	-14.78	1.05	1.24
1	7M	156	SER	C-O	-14.78	1.05	1.24
1	1Q	68	SER	CA-CB	-14.76	1.28	1.54
1	1U	68	SER	CA-CB	-14.76	1.28	1.54
1	1Y	68	SER	CA-CB	-14.76	1.28	1.54
1	2Q	68	SER	CA-CB	-14.76	1.28	1.54
1	2U	68	SER	CA-CB	-14.76	1.28	1.54
1	2Y	68	SER	CA-CB	-14.76	1.28	1.54
1	42	68	SER	CA-CB	-14.76	1.28	1.54
1	46	68	SER	CA-CB	-14.76	1.28	1.54
1	5A	68	SER	CA-CB	-14.76	1.28	1.54
1	52	68	SER	CA-CB	-14.76	1.28	1.54
1	56	68	SER	CA-CB	-14.76	1.28	1.54
1	6A	68	SER	CA-CB	-14.76	1.28	1.54
1	1A	68	SER	CA-CB	-14.76	1.28	1.54
1	1I	68	SER	CA-CB	-14.76	1.28	1.54
1	2E	68	SER	CA-CB	-14.76	1.28	1.54
1	26	68	SER	CA-CB	-14.76	1.28	1.54
1	3E	68	SER	CA-CB	-14.76	1.28	1.54
1	4A	68	SER	CA-CB	-14.76	1.28	1.54
1	4M	68	SER	CA-CB	-14.76	1.28	1.54
1	4U	68	SER	CA-CB	-14.76	1.28	1.54
1	5Q	68	SER	CA-CB	-14.76	1.28	1.54
1	6I	68	SER	CA-CB	-14.76	1.28	1.54
1	6Q	68	SER	CA-CB	-14.76	1.28	1.54
1	7M	68	SER	CA-CB	-14.76	1.28	1.54
1	1E	68	SER	CA-CB	-14.75	1.28	1.54
1	2M	68	SER	CA-CB	-14.75	1.28	1.54
1	22	68	SER	CA-CB	-14.75	1.28	1.54
1	3M	68	SER	CA-CB	-14.75	1.28	1.54
1	36	68	SER	CA-CB	-14.75	1.28	1.54
1	4I	68	SER	CA-CB	-14.75	1.28	1.54
1	4Q	68	SER	CA-CB	-14.75	1.28	1.54
1	5Y	68	SER	CA-CB	-14.75	1.28	1.54
1	6E	68	SER	CA-CB	-14.75	1.28	1.54
1	6Y	68	SER	CA-CB	-14.75	1.28	1.54
1	7I	68	SER	CA-CB	-14.75	1.28	1.54
1	7U	68	SER	CA-CB	-14.75	1.28	1.54
1	1M	68	SER	CA-CB	-14.75	1.28	1.54
1	12	68	SER	CA-CB	-14.75	1.28	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	16	68	SER	CA-CB	-14.75	1.28	1.54
1	2A	68	SER	CA-CB	-14.75	1.28	1.54
1	2I	68	SER	CA-CB	-14.75	1.28	1.54
1	3A	68	SER	CA-CB	-14.75	1.28	1.54
1	3I	68	SER	CA-CB	-14.75	1.28	1.54
1	3Q	68	SER	CA-CB	-14.75	1.28	1.54
1	3U	68	SER	CA-CB	-14.75	1.28	1.54
1	3Y	68	SER	CA-CB	-14.75	1.28	1.54
1	32	68	SER	CA-CB	-14.75	1.28	1.54
1	4E	68	SER	CA-CB	-14.75	1.28	1.54
1	4Y	68	SER	CA-CB	-14.75	1.28	1.54
1	5E	68	SER	CA-CB	-14.75	1.28	1.54
1	5I	68	SER	CA-CB	-14.75	1.28	1.54
1	5M	68	SER	CA-CB	-14.75	1.28	1.54
1	5U	68	SER	CA-CB	-14.75	1.28	1.54
1	6M	68	SER	CA-CB	-14.75	1.28	1.54
1	6U	68	SER	CA-CB	-14.75	1.28	1.54
1	62	68	SER	CA-CB	-14.75	1.28	1.54
1	66	68	SER	CA-CB	-14.75	1.28	1.54
1	7A	68	SER	CA-CB	-14.75	1.28	1.54
1	7E	68	SER	CA-CB	-14.75	1.28	1.54
1	7Q	68	SER	CA-CB	-14.75	1.28	1.54
1	1M	156	SER	C-O	-14.75	1.05	1.24
1	2I	156	SER	C-O	-14.75	1.05	1.24
1	3A	156	SER	C-O	-14.75	1.05	1.24
1	3I	156	SER	C-O	-14.75	1.05	1.24
1	32	156	SER	C-O	-14.75	1.05	1.24
1	4E	156	SER	C-O	-14.75	1.05	1.24
1	4Y	156	SER	C-O	-14.75	1.05	1.24
1	5U	156	SER	C-O	-14.75	1.05	1.24
1	6M	156	SER	C-O	-14.75	1.05	1.24
1	6U	156	SER	C-O	-14.75	1.05	1.24
1	7E	156	SER	C-O	-14.75	1.05	1.24
1	7Q	156	SER	C-O	-14.75	1.05	1.24
1	1M	49	LEU	N-CA	-14.71	1.28	1.46
1	2I	49	LEU	N-CA	-14.71	1.28	1.46
1	3A	49	LEU	N-CA	-14.71	1.28	1.46
1	3I	49	LEU	N-CA	-14.71	1.28	1.46
1	32	49	LEU	N-CA	-14.71	1.28	1.46
1	4E	49	LEU	N-CA	-14.71	1.28	1.46
1	4Y	49	LEU	N-CA	-14.71	1.28	1.46
1	5U	49	LEU	N-CA	-14.71	1.28	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	49	LEU	N-CA	-14.71	1.28	1.46
1	6U	49	LEU	N-CA	-14.71	1.28	1.46
1	7E	49	LEU	N-CA	-14.71	1.28	1.46
1	7Q	49	LEU	N-CA	-14.71	1.28	1.46
1	1E	49	LEU	N-CA	-14.71	1.28	1.46
1	2M	49	LEU	N-CA	-14.71	1.28	1.46
1	22	49	LEU	N-CA	-14.71	1.28	1.46
1	3M	49	LEU	N-CA	-14.71	1.28	1.46
1	36	49	LEU	N-CA	-14.71	1.28	1.46
1	4I	49	LEU	N-CA	-14.71	1.28	1.46
1	4Q	49	LEU	N-CA	-14.71	1.28	1.46
1	5Y	49	LEU	N-CA	-14.71	1.28	1.46
1	6E	49	LEU	N-CA	-14.71	1.28	1.46
1	6Y	49	LEU	N-CA	-14.71	1.28	1.46
1	7I	49	LEU	N-CA	-14.71	1.28	1.46
1	7U	49	LEU	N-CA	-14.71	1.28	1.46
1	12	49	LEU	N-CA	-14.69	1.28	1.46
1	16	49	LEU	N-CA	-14.69	1.28	1.46
1	2A	49	LEU	N-CA	-14.69	1.28	1.46
1	3Q	49	LEU	N-CA	-14.69	1.28	1.46
1	3U	49	LEU	N-CA	-14.69	1.28	1.46
1	3Y	49	LEU	N-CA	-14.69	1.28	1.46
1	5E	49	LEU	N-CA	-14.69	1.28	1.46
1	5I	49	LEU	N-CA	-14.69	1.28	1.46
1	5M	49	LEU	N-CA	-14.69	1.28	1.46
1	62	49	LEU	N-CA	-14.69	1.28	1.46
1	66	49	LEU	N-CA	-14.69	1.28	1.46
1	7A	49	LEU	N-CA	-14.69	1.28	1.46
2	1F	70	TRP	CD1-NE1	14.69	1.68	1.37
2	2N	70	TRP	CD1-NE1	14.69	1.68	1.37
2	23	70	TRP	CD1-NE1	14.69	1.68	1.37
2	3N	70	TRP	CD1-NE1	14.69	1.68	1.37
2	37	70	TRP	CD1-NE1	14.69	1.68	1.37
2	4J	70	TRP	CD1-NE1	14.69	1.68	1.37
2	4R	70	TRP	CD1-NE1	14.69	1.68	1.37
2	5Z	70	TRP	CD1-NE1	14.69	1.68	1.37
2	6F	70	TRP	CD1-NE1	14.69	1.68	1.37
2	6Z	70	TRP	CD1-NE1	14.69	1.68	1.37
2	7J	70	TRP	CD1-NE1	14.69	1.68	1.37
2	7V	70	TRP	CD1-NE1	14.69	1.68	1.37
1	1A	49	LEU	N-CA	-14.68	1.28	1.46
1	1I	49	LEU	N-CA	-14.68	1.28	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	49	LEU	N-CA	-14.68	1.28	1.46
1	26	49	LEU	N-CA	-14.68	1.28	1.46
1	3E	49	LEU	N-CA	-14.68	1.28	1.46
1	4A	49	LEU	N-CA	-14.68	1.28	1.46
1	4M	49	LEU	N-CA	-14.68	1.28	1.46
1	4U	49	LEU	N-CA	-14.68	1.28	1.46
1	5Q	49	LEU	N-CA	-14.68	1.28	1.46
1	6I	49	LEU	N-CA	-14.68	1.28	1.46
1	6Q	49	LEU	N-CA	-14.68	1.28	1.46
1	7M	49	LEU	N-CA	-14.68	1.28	1.46
2	1R	70	TRP	CD1-NE1	14.68	1.68	1.37
2	1V	70	TRP	CD1-NE1	14.68	1.68	1.37
2	1Z	70	TRP	CD1-NE1	14.68	1.68	1.37
2	2R	70	TRP	CD1-NE1	14.68	1.68	1.37
2	2V	70	TRP	CD1-NE1	14.68	1.68	1.37
2	2Z	70	TRP	CD1-NE1	14.68	1.68	1.37
2	43	70	TRP	CD1-NE1	14.68	1.68	1.37
2	47	70	TRP	CD1-NE1	14.68	1.68	1.37
2	5B	70	TRP	CD1-NE1	14.68	1.68	1.37
2	53	70	TRP	CD1-NE1	14.68	1.68	1.37
2	57	70	TRP	CD1-NE1	14.68	1.68	1.37
2	6B	70	TRP	CD1-NE1	14.68	1.68	1.37
1	1Q	49	LEU	N-CA	-14.67	1.28	1.46
1	1U	49	LEU	N-CA	-14.67	1.28	1.46
1	1Y	49	LEU	N-CA	-14.67	1.28	1.46
1	2Q	49	LEU	N-CA	-14.67	1.28	1.46
1	2U	49	LEU	N-CA	-14.67	1.28	1.46
1	2Y	49	LEU	N-CA	-14.67	1.28	1.46
1	42	49	LEU	N-CA	-14.67	1.28	1.46
1	46	49	LEU	N-CA	-14.67	1.28	1.46
1	5A	49	LEU	N-CA	-14.67	1.28	1.46
1	52	49	LEU	N-CA	-14.67	1.28	1.46
1	56	49	LEU	N-CA	-14.67	1.28	1.46
1	6A	49	LEU	N-CA	-14.67	1.28	1.46
2	1N	70	TRP	CD1-NE1	14.65	1.68	1.37
2	2J	70	TRP	CD1-NE1	14.65	1.68	1.37
2	3B	70	TRP	CD1-NE1	14.65	1.68	1.37
2	3J	70	TRP	CD1-NE1	14.65	1.68	1.37
2	33	70	TRP	CD1-NE1	14.65	1.68	1.37
2	4F	70	TRP	CD1-NE1	14.65	1.68	1.37
2	4Z	70	TRP	CD1-NE1	14.65	1.68	1.37
2	5V	70	TRP	CD1-NE1	14.65	1.68	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	70	TRP	CD1-NE1	14.65	1.68	1.37
2	6V	70	TRP	CD1-NE1	14.65	1.68	1.37
2	7F	70	TRP	CD1-NE1	14.65	1.68	1.37
2	7R	70	TRP	CD1-NE1	14.65	1.68	1.37
2	1B	70	TRP	CD1-NE1	14.65	1.68	1.37
2	1J	70	TRP	CD1-NE1	14.65	1.68	1.37
2	2F	70	TRP	CD1-NE1	14.65	1.68	1.37
2	27	70	TRP	CD1-NE1	14.65	1.68	1.37
2	3F	70	TRP	CD1-NE1	14.65	1.68	1.37
2	4B	70	TRP	CD1-NE1	14.65	1.68	1.37
2	4N	70	TRP	CD1-NE1	14.65	1.68	1.37
2	4V	70	TRP	CD1-NE1	14.65	1.68	1.37
2	5R	70	TRP	CD1-NE1	14.65	1.68	1.37
2	6J	70	TRP	CD1-NE1	14.65	1.68	1.37
2	6R	70	TRP	CD1-NE1	14.65	1.68	1.37
2	7N	70	TRP	CD1-NE1	14.65	1.68	1.37
1	1A	20	GLU	C-O	-14.65	1.01	1.23
1	1I	20	GLU	C-O	-14.65	1.01	1.23
1	2E	20	GLU	C-O	-14.65	1.01	1.23
1	26	20	GLU	C-O	-14.65	1.01	1.23
1	3E	20	GLU	C-O	-14.65	1.01	1.23
1	4A	20	GLU	C-O	-14.65	1.01	1.23
1	4M	20	GLU	C-O	-14.65	1.01	1.23
1	4U	20	GLU	C-O	-14.65	1.01	1.23
1	5Q	20	GLU	C-O	-14.65	1.01	1.23
1	6I	20	GLU	C-O	-14.65	1.01	1.23
1	6Q	20	GLU	C-O	-14.65	1.01	1.23
1	7M	20	GLU	C-O	-14.65	1.01	1.23
1	1Q	20	GLU	C-O	-14.64	1.01	1.23
1	1U	20	GLU	C-O	-14.64	1.01	1.23
1	1Y	20	GLU	C-O	-14.64	1.01	1.23
2	13	70	TRP	CD1-NE1	14.64	1.68	1.37
2	17	70	TRP	CD1-NE1	14.64	1.68	1.37
2	2B	70	TRP	CD1-NE1	14.64	1.68	1.37
1	2Q	20	GLU	C-O	-14.64	1.01	1.23
1	2U	20	GLU	C-O	-14.64	1.01	1.23
1	2Y	20	GLU	C-O	-14.64	1.01	1.23
2	3R	70	TRP	CD1-NE1	14.64	1.68	1.37
2	3V	70	TRP	CD1-NE1	14.64	1.68	1.37
2	3Z	70	TRP	CD1-NE1	14.64	1.68	1.37
1	42	20	GLU	C-O	-14.64	1.01	1.23
1	46	20	GLU	C-O	-14.64	1.01	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	20	GLU	C-O	-14.64	1.01	1.23
2	5F	70	TRP	CD1-NE1	14.64	1.68	1.37
2	5J	70	TRP	CD1-NE1	14.64	1.68	1.37
2	5N	70	TRP	CD1-NE1	14.64	1.68	1.37
1	52	20	GLU	C-O	-14.64	1.01	1.23
1	56	20	GLU	C-O	-14.64	1.01	1.23
1	6A	20	GLU	C-O	-14.64	1.01	1.23
2	63	70	TRP	CD1-NE1	14.64	1.68	1.37
2	67	70	TRP	CD1-NE1	14.64	1.68	1.37
2	7B	70	TRP	CD1-NE1	14.64	1.68	1.37
1	1E	20	GLU	C-O	-14.63	1.01	1.23
2	1F	53	LYS	N-CA	14.63	1.65	1.46
1	1M	20	GLU	C-O	-14.63	1.01	1.23
1	2I	20	GLU	C-O	-14.63	1.01	1.23
1	2M	20	GLU	C-O	-14.63	1.01	1.23
2	2N	53	LYS	N-CA	14.63	1.65	1.46
1	22	20	GLU	C-O	-14.63	1.01	1.23
2	23	53	LYS	N-CA	14.63	1.65	1.46
1	3A	20	GLU	C-O	-14.63	1.01	1.23
1	3I	20	GLU	C-O	-14.63	1.01	1.23
1	3M	20	GLU	C-O	-14.63	1.01	1.23
2	3N	53	LYS	N-CA	14.63	1.65	1.46
1	32	20	GLU	C-O	-14.63	1.01	1.23
1	36	20	GLU	C-O	-14.63	1.01	1.23
2	37	53	LYS	N-CA	14.63	1.65	1.46
1	4E	20	GLU	C-O	-14.63	1.01	1.23
1	4I	20	GLU	C-O	-14.63	1.01	1.23
2	4J	53	LYS	N-CA	14.63	1.65	1.46
1	4Q	20	GLU	C-O	-14.63	1.01	1.23
2	4R	53	LYS	N-CA	14.63	1.65	1.46
1	4Y	20	GLU	C-O	-14.63	1.01	1.23
1	5U	20	GLU	C-O	-14.63	1.01	1.23
1	5Y	20	GLU	C-O	-14.63	1.01	1.23
2	5Z	53	LYS	N-CA	14.63	1.65	1.46
1	6E	20	GLU	C-O	-14.63	1.01	1.23
2	6F	53	LYS	N-CA	14.63	1.65	1.46
1	6M	20	GLU	C-O	-14.63	1.01	1.23
1	6U	20	GLU	C-O	-14.63	1.01	1.23
1	6Y	20	GLU	C-O	-14.63	1.01	1.23
2	6Z	53	LYS	N-CA	14.63	1.65	1.46
1	7E	20	GLU	C-O	-14.63	1.01	1.23
1	7I	20	GLU	C-O	-14.63	1.01	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	7J	53	LYS	N-CA	14.63	1.65	1.46
1	7Q	20	GLU	C-O	-14.63	1.01	1.23
1	7U	20	GLU	C-O	-14.63	1.01	1.23
2	7V	53	LYS	N-CA	14.63	1.65	1.46
1	1Q	90	PHE	CB-CG	14.61	1.84	1.50
2	1R	53	LYS	N-CA	14.61	1.65	1.46
1	1U	90	PHE	CB-CG	14.61	1.84	1.50
2	1V	53	LYS	N-CA	14.61	1.65	1.46
1	1Y	90	PHE	CB-CG	14.61	1.84	1.50
2	1Z	53	LYS	N-CA	14.61	1.65	1.46
1	12	20	GLU	C-O	-14.61	1.01	1.23
1	16	20	GLU	C-O	-14.61	1.01	1.23
1	2A	20	GLU	C-O	-14.61	1.01	1.23
1	2Q	90	PHE	CB-CG	14.61	1.84	1.50
2	2R	53	LYS	N-CA	14.61	1.65	1.46
1	2U	90	PHE	CB-CG	14.61	1.84	1.50
2	2V	53	LYS	N-CA	14.61	1.65	1.46
1	2Y	90	PHE	CB-CG	14.61	1.84	1.50
2	2Z	53	LYS	N-CA	14.61	1.65	1.46
1	3Q	20	GLU	C-O	-14.61	1.01	1.23
1	3U	20	GLU	C-O	-14.61	1.01	1.23
1	3Y	20	GLU	C-O	-14.61	1.01	1.23
1	42	90	PHE	CB-CG	14.61	1.84	1.50
2	43	53	LYS	N-CA	14.61	1.65	1.46
1	46	90	PHE	CB-CG	14.61	1.84	1.50
2	47	53	LYS	N-CA	14.61	1.65	1.46
1	5A	90	PHE	CB-CG	14.61	1.84	1.50
2	5B	53	LYS	N-CA	14.61	1.65	1.46
1	5E	20	GLU	C-O	-14.61	1.01	1.23
1	5I	20	GLU	C-O	-14.61	1.01	1.23
1	5M	20	GLU	C-O	-14.61	1.01	1.23
1	52	90	PHE	CB-CG	14.61	1.84	1.50
2	53	53	LYS	N-CA	14.61	1.65	1.46
1	56	90	PHE	CB-CG	14.61	1.84	1.50
2	57	53	LYS	N-CA	14.61	1.65	1.46
1	6A	90	PHE	CB-CG	14.61	1.84	1.50
2	6B	53	LYS	N-CA	14.61	1.65	1.46
1	62	20	GLU	C-O	-14.61	1.01	1.23
1	66	20	GLU	C-O	-14.61	1.01	1.23
1	7A	20	GLU	C-O	-14.61	1.01	1.23
1	1A	90	PHE	CB-CG	14.59	1.84	1.50
1	1I	90	PHE	CB-CG	14.59	1.84	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	90	PHE	CB-CG	14.59	1.84	1.50
1	26	90	PHE	CB-CG	14.59	1.84	1.50
1	3E	90	PHE	CB-CG	14.59	1.84	1.50
1	4A	90	PHE	CB-CG	14.59	1.84	1.50
1	4M	90	PHE	CB-CG	14.59	1.84	1.50
1	4U	90	PHE	CB-CG	14.59	1.84	1.50
1	5Q	90	PHE	CB-CG	14.59	1.84	1.50
1	6I	90	PHE	CB-CG	14.59	1.84	1.50
1	6Q	90	PHE	CB-CG	14.59	1.84	1.50
1	7M	90	PHE	CB-CG	14.59	1.84	1.50
1	1E	90	PHE	CB-CG	14.59	1.84	1.50
1	2M	90	PHE	CB-CG	14.59	1.84	1.50
1	22	90	PHE	CB-CG	14.59	1.84	1.50
1	3M	90	PHE	CB-CG	14.59	1.84	1.50
1	36	90	PHE	CB-CG	14.59	1.84	1.50
1	4I	90	PHE	CB-CG	14.59	1.84	1.50
1	4Q	90	PHE	CB-CG	14.59	1.84	1.50
1	5Y	90	PHE	CB-CG	14.59	1.84	1.50
1	6E	90	PHE	CB-CG	14.59	1.84	1.50
1	6Y	90	PHE	CB-CG	14.59	1.84	1.50
1	7I	90	PHE	CB-CG	14.59	1.84	1.50
1	7U	90	PHE	CB-CG	14.59	1.84	1.50
2	1B	53	LYS	N-CA	14.58	1.64	1.46
2	1J	53	LYS	N-CA	14.58	1.64	1.46
2	2F	53	LYS	N-CA	14.58	1.64	1.46
2	27	53	LYS	N-CA	14.58	1.64	1.46
2	3F	53	LYS	N-CA	14.58	1.64	1.46
2	4B	53	LYS	N-CA	14.58	1.64	1.46
2	4N	53	LYS	N-CA	14.58	1.64	1.46
2	4V	53	LYS	N-CA	14.58	1.64	1.46
2	5R	53	LYS	N-CA	14.58	1.64	1.46
2	6J	53	LYS	N-CA	14.58	1.64	1.46
2	6R	53	LYS	N-CA	14.58	1.64	1.46
2	7N	53	LYS	N-CA	14.58	1.64	1.46
1	12	90	PHE	CB-CG	14.58	1.84	1.50
2	13	72	ARG	C-N	14.58	1.48	1.33
1	16	90	PHE	CB-CG	14.58	1.84	1.50
2	17	72	ARG	C-N	14.58	1.48	1.33
1	2A	90	PHE	CB-CG	14.58	1.84	1.50
2	2B	72	ARG	C-N	14.58	1.48	1.33
1	3Q	90	PHE	CB-CG	14.58	1.84	1.50
2	3R	72	ARG	C-N	14.58	1.48	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3U	90	PHE	CB-CG	14.58	1.84	1.50
2	3V	72	ARG	C-N	14.58	1.48	1.33
1	3Y	90	PHE	CB-CG	14.58	1.84	1.50
2	3Z	72	ARG	C-N	14.58	1.48	1.33
1	5E	90	PHE	CB-CG	14.58	1.84	1.50
2	5F	72	ARG	C-N	14.58	1.48	1.33
1	5I	90	PHE	CB-CG	14.58	1.84	1.50
2	5J	72	ARG	C-N	14.58	1.48	1.33
1	5M	90	PHE	CB-CG	14.58	1.84	1.50
2	5N	72	ARG	C-N	14.58	1.48	1.33
1	62	90	PHE	CB-CG	14.58	1.84	1.50
2	63	72	ARG	C-N	14.58	1.48	1.33
1	66	90	PHE	CB-CG	14.58	1.84	1.50
2	67	72	ARG	C-N	14.58	1.48	1.33
1	7A	90	PHE	CB-CG	14.58	1.84	1.50
2	7B	72	ARG	C-N	14.58	1.48	1.33
2	1R	72	ARG	C-N	14.57	1.48	1.33
2	1V	72	ARG	C-N	14.57	1.48	1.33
2	1Z	72	ARG	C-N	14.57	1.48	1.33
2	2R	72	ARG	C-N	14.57	1.48	1.33
2	2V	72	ARG	C-N	14.57	1.48	1.33
2	2Z	72	ARG	C-N	14.57	1.48	1.33
2	43	72	ARG	C-N	14.57	1.48	1.33
2	47	72	ARG	C-N	14.57	1.48	1.33
2	5B	72	ARG	C-N	14.57	1.48	1.33
2	53	72	ARG	C-N	14.57	1.48	1.33
2	57	72	ARG	C-N	14.57	1.48	1.33
2	6B	72	ARG	C-N	14.57	1.48	1.33
1	1M	90	PHE	CB-CG	14.57	1.84	1.50
1	2I	90	PHE	CB-CG	14.57	1.84	1.50
1	3A	90	PHE	CB-CG	14.57	1.84	1.50
1	3I	90	PHE	CB-CG	14.57	1.84	1.50
1	32	90	PHE	CB-CG	14.57	1.84	1.50
1	4E	90	PHE	CB-CG	14.57	1.84	1.50
1	4Y	90	PHE	CB-CG	14.57	1.84	1.50
1	5U	90	PHE	CB-CG	14.57	1.84	1.50
1	6M	90	PHE	CB-CG	14.57	1.84	1.50
1	6U	90	PHE	CB-CG	14.57	1.84	1.50
1	7E	90	PHE	CB-CG	14.57	1.84	1.50
1	7Q	90	PHE	CB-CG	14.57	1.84	1.50
2	1N	23	HIS	ND1-CE1	-14.57	1.18	1.32
2	2J	23	HIS	ND1-CE1	-14.57	1.18	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	23	HIS	ND1-CE1	-14.57	1.18	1.32
2	3J	23	HIS	ND1-CE1	-14.57	1.18	1.32
2	33	23	HIS	ND1-CE1	-14.57	1.18	1.32
2	4F	23	HIS	ND1-CE1	-14.57	1.18	1.32
2	4Z	23	HIS	ND1-CE1	-14.57	1.18	1.32
2	5V	23	HIS	ND1-CE1	-14.57	1.18	1.32
2	6N	23	HIS	ND1-CE1	-14.57	1.18	1.32
2	6V	23	HIS	ND1-CE1	-14.57	1.18	1.32
2	7F	23	HIS	ND1-CE1	-14.57	1.18	1.32
2	7R	23	HIS	ND1-CE1	-14.57	1.18	1.32
2	13	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	17	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	2B	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	3R	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	3V	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	3Z	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	5F	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	5J	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	5N	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	63	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	67	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	7B	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	1F	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	2N	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	23	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	3N	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	37	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	4J	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	4R	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	5Z	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	6F	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	6Z	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	7J	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	7V	23	HIS	ND1-CE1	-14.54	1.18	1.32
2	1N	72	ARG	C-N	14.54	1.47	1.33
2	2J	72	ARG	C-N	14.54	1.47	1.33
2	3B	72	ARG	C-N	14.54	1.47	1.33
2	3J	72	ARG	C-N	14.54	1.47	1.33
2	33	72	ARG	C-N	14.54	1.47	1.33
2	4F	72	ARG	C-N	14.54	1.47	1.33
2	4Z	72	ARG	C-N	14.54	1.47	1.33
2	5V	72	ARG	C-N	14.54	1.47	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	72	ARG	C-N	14.54	1.47	1.33
2	6V	72	ARG	C-N	14.54	1.47	1.33
2	7F	72	ARG	C-N	14.54	1.47	1.33
2	7R	72	ARG	C-N	14.54	1.47	1.33
2	13	25	SER	CA-CB	14.54	1.78	1.53
2	13	53	LYS	N-CA	14.54	1.64	1.46
2	17	25	SER	CA-CB	14.54	1.78	1.53
2	17	53	LYS	N-CA	14.54	1.64	1.46
2	2B	25	SER	CA-CB	14.54	1.78	1.53
2	2B	53	LYS	N-CA	14.54	1.64	1.46
2	3R	25	SER	CA-CB	14.54	1.78	1.53
2	3R	53	LYS	N-CA	14.54	1.64	1.46
2	3V	25	SER	CA-CB	14.54	1.78	1.53
2	3V	53	LYS	N-CA	14.54	1.64	1.46
2	3Z	25	SER	CA-CB	14.54	1.78	1.53
2	3Z	53	LYS	N-CA	14.54	1.64	1.46
2	5F	25	SER	CA-CB	14.54	1.78	1.53
2	5F	53	LYS	N-CA	14.54	1.64	1.46
2	5J	25	SER	CA-CB	14.54	1.78	1.53
2	5J	53	LYS	N-CA	14.54	1.64	1.46
2	5N	25	SER	CA-CB	14.54	1.78	1.53
2	5N	53	LYS	N-CA	14.54	1.64	1.46
2	63	25	SER	CA-CB	14.54	1.78	1.53
2	63	53	LYS	N-CA	14.54	1.64	1.46
2	67	25	SER	CA-CB	14.54	1.78	1.53
2	67	53	LYS	N-CA	14.54	1.64	1.46
2	7B	25	SER	CA-CB	14.54	1.78	1.53
2	7B	53	LYS	N-CA	14.54	1.64	1.46
2	1N	53	LYS	N-CA	14.53	1.64	1.46
2	2J	53	LYS	N-CA	14.53	1.64	1.46
2	3B	53	LYS	N-CA	14.53	1.64	1.46
2	3J	53	LYS	N-CA	14.53	1.64	1.46
2	33	53	LYS	N-CA	14.53	1.64	1.46
2	4F	53	LYS	N-CA	14.53	1.64	1.46
2	4Z	53	LYS	N-CA	14.53	1.64	1.46
2	5V	53	LYS	N-CA	14.53	1.64	1.46
2	6N	53	LYS	N-CA	14.53	1.64	1.46
2	6V	53	LYS	N-CA	14.53	1.64	1.46
2	7F	53	LYS	N-CA	14.53	1.64	1.46
2	7R	53	LYS	N-CA	14.53	1.64	1.46
2	1B	72	ARG	C-N	14.53	1.47	1.33
2	1J	72	ARG	C-N	14.53	1.47	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	72	ARG	C-N	14.53	1.47	1.33
2	27	72	ARG	C-N	14.53	1.47	1.33
2	3F	72	ARG	C-N	14.53	1.47	1.33
2	4B	72	ARG	C-N	14.53	1.47	1.33
2	4N	72	ARG	C-N	14.53	1.47	1.33
2	4V	72	ARG	C-N	14.53	1.47	1.33
2	5R	72	ARG	C-N	14.53	1.47	1.33
2	6J	72	ARG	C-N	14.53	1.47	1.33
2	6R	72	ARG	C-N	14.53	1.47	1.33
2	7N	72	ARG	C-N	14.53	1.47	1.33
1	1M	26	ALA	C-O	-14.53	1.04	1.23
1	2I	26	ALA	C-O	-14.53	1.04	1.23
1	3A	26	ALA	C-O	-14.53	1.04	1.23
1	3I	26	ALA	C-O	-14.53	1.04	1.23
1	32	26	ALA	C-O	-14.53	1.04	1.23
1	4E	26	ALA	C-O	-14.53	1.04	1.23
1	4Y	26	ALA	C-O	-14.53	1.04	1.23
1	5U	26	ALA	C-O	-14.53	1.04	1.23
1	6M	26	ALA	C-O	-14.53	1.04	1.23
1	6U	26	ALA	C-O	-14.53	1.04	1.23
1	7E	26	ALA	C-O	-14.53	1.04	1.23
1	7Q	26	ALA	C-O	-14.53	1.04	1.23
1	1E	15	SER	N-CA	-14.52	1.26	1.45
2	1N	25	SER	CA-CB	14.52	1.78	1.53
2	2J	25	SER	CA-CB	14.52	1.78	1.53
1	2M	15	SER	N-CA	-14.52	1.26	1.45
1	22	15	SER	N-CA	-14.52	1.26	1.45
2	3B	25	SER	CA-CB	14.52	1.78	1.53
2	3J	25	SER	CA-CB	14.52	1.78	1.53
1	3M	15	SER	N-CA	-14.52	1.26	1.45
2	33	25	SER	CA-CB	14.52	1.78	1.53
1	36	15	SER	N-CA	-14.52	1.26	1.45
2	4F	25	SER	CA-CB	14.52	1.78	1.53
1	4I	15	SER	N-CA	-14.52	1.26	1.45
1	4Q	15	SER	N-CA	-14.52	1.26	1.45
2	4Z	25	SER	CA-CB	14.52	1.78	1.53
2	5V	25	SER	CA-CB	14.52	1.78	1.53
1	5Y	15	SER	N-CA	-14.52	1.26	1.45
1	6E	15	SER	N-CA	-14.52	1.26	1.45
2	6N	25	SER	CA-CB	14.52	1.78	1.53
2	6V	25	SER	CA-CB	14.52	1.78	1.53
1	6Y	15	SER	N-CA	-14.52	1.26	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	7F	25	SER	CA-CB	14.52	1.78	1.53
1	7I	15	SER	N-CA	-14.52	1.26	1.45
2	7R	25	SER	CA-CB	14.52	1.78	1.53
1	7U	15	SER	N-CA	-14.52	1.26	1.45
1	1M	15	SER	N-CA	-14.52	1.26	1.45
1	2I	15	SER	N-CA	-14.52	1.26	1.45
1	3A	15	SER	N-CA	-14.52	1.26	1.45
1	3I	15	SER	N-CA	-14.52	1.26	1.45
1	32	15	SER	N-CA	-14.52	1.26	1.45
1	4E	15	SER	N-CA	-14.52	1.26	1.45
1	4Y	15	SER	N-CA	-14.52	1.26	1.45
1	5U	15	SER	N-CA	-14.52	1.26	1.45
1	6M	15	SER	N-CA	-14.52	1.26	1.45
1	6U	15	SER	N-CA	-14.52	1.26	1.45
1	7E	15	SER	N-CA	-14.52	1.26	1.45
1	7Q	15	SER	N-CA	-14.52	1.26	1.45
2	1R	25	SER	CA-CB	14.51	1.77	1.53
2	1V	25	SER	CA-CB	14.51	1.77	1.53
2	1Z	25	SER	CA-CB	14.51	1.77	1.53
2	2R	25	SER	CA-CB	14.51	1.77	1.53
2	2V	25	SER	CA-CB	14.51	1.77	1.53
2	2Z	25	SER	CA-CB	14.51	1.77	1.53
2	43	25	SER	CA-CB	14.51	1.77	1.53
2	47	25	SER	CA-CB	14.51	1.77	1.53
2	5B	25	SER	CA-CB	14.51	1.77	1.53
2	53	25	SER	CA-CB	14.51	1.77	1.53
2	57	25	SER	CA-CB	14.51	1.77	1.53
2	6B	25	SER	CA-CB	14.51	1.77	1.53
1	12	26	ALA	C-O	-14.51	1.04	1.23
1	16	26	ALA	C-O	-14.51	1.04	1.23
1	2A	26	ALA	C-O	-14.51	1.04	1.23
1	3Q	26	ALA	C-O	-14.51	1.04	1.23
1	3U	26	ALA	C-O	-14.51	1.04	1.23
1	3Y	26	ALA	C-O	-14.51	1.04	1.23
1	5E	26	ALA	C-O	-14.51	1.04	1.23
1	5I	26	ALA	C-O	-14.51	1.04	1.23
1	5M	26	ALA	C-O	-14.51	1.04	1.23
1	62	26	ALA	C-O	-14.51	1.04	1.23
1	66	26	ALA	C-O	-14.51	1.04	1.23
1	7A	26	ALA	C-O	-14.51	1.04	1.23
2	1B	25	SER	CA-CB	14.51	1.77	1.53
2	1J	25	SER	CA-CB	14.51	1.77	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	25	SER	CA-CB	14.51	1.77	1.53
2	27	25	SER	CA-CB	14.51	1.77	1.53
2	3F	25	SER	CA-CB	14.51	1.77	1.53
2	4B	25	SER	CA-CB	14.51	1.77	1.53
2	4N	25	SER	CA-CB	14.51	1.77	1.53
2	4V	25	SER	CA-CB	14.51	1.77	1.53
2	5R	25	SER	CA-CB	14.51	1.77	1.53
2	6J	25	SER	CA-CB	14.51	1.77	1.53
2	6R	25	SER	CA-CB	14.51	1.77	1.53
2	7N	25	SER	CA-CB	14.51	1.77	1.53
2	1F	25	SER	CA-CB	14.50	1.77	1.53
2	2N	25	SER	CA-CB	14.50	1.77	1.53
2	23	25	SER	CA-CB	14.50	1.77	1.53
2	3N	25	SER	CA-CB	14.50	1.77	1.53
2	37	25	SER	CA-CB	14.50	1.77	1.53
2	4J	25	SER	CA-CB	14.50	1.77	1.53
2	4R	25	SER	CA-CB	14.50	1.77	1.53
2	5Z	25	SER	CA-CB	14.50	1.77	1.53
2	6F	25	SER	CA-CB	14.50	1.77	1.53
2	6Z	25	SER	CA-CB	14.50	1.77	1.53
2	7J	25	SER	CA-CB	14.50	1.77	1.53
2	7V	25	SER	CA-CB	14.50	1.77	1.53
1	1A	15	SER	N-CA	-14.50	1.26	1.45
1	1I	15	SER	N-CA	-14.50	1.26	1.45
1	1Q	15	SER	N-CA	-14.50	1.26	1.45
1	1U	15	SER	N-CA	-14.50	1.26	1.45
1	1Y	15	SER	N-CA	-14.50	1.26	1.45
1	2E	15	SER	N-CA	-14.50	1.26	1.45
1	2Q	15	SER	N-CA	-14.50	1.26	1.45
1	2U	15	SER	N-CA	-14.50	1.26	1.45
1	2Y	15	SER	N-CA	-14.50	1.26	1.45
1	26	15	SER	N-CA	-14.50	1.26	1.45
1	3E	15	SER	N-CA	-14.50	1.26	1.45
1	4A	15	SER	N-CA	-14.50	1.26	1.45
1	4M	15	SER	N-CA	-14.50	1.26	1.45
1	4U	15	SER	N-CA	-14.50	1.26	1.45
1	42	15	SER	N-CA	-14.50	1.26	1.45
1	46	15	SER	N-CA	-14.50	1.26	1.45
1	5A	15	SER	N-CA	-14.50	1.26	1.45
1	5Q	15	SER	N-CA	-14.50	1.26	1.45
1	52	15	SER	N-CA	-14.50	1.26	1.45
1	56	15	SER	N-CA	-14.50	1.26	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6A	15	SER	N-CA	-14.50	1.26	1.45
1	6I	15	SER	N-CA	-14.50	1.26	1.45
1	6Q	15	SER	N-CA	-14.50	1.26	1.45
1	7M	15	SER	N-CA	-14.50	1.26	1.45
1	12	15	SER	N-CA	-14.50	1.26	1.45
1	16	15	SER	N-CA	-14.50	1.26	1.45
1	2A	15	SER	N-CA	-14.50	1.26	1.45
1	3Q	15	SER	N-CA	-14.50	1.26	1.45
1	3U	15	SER	N-CA	-14.50	1.26	1.45
1	3Y	15	SER	N-CA	-14.50	1.26	1.45
1	5E	15	SER	N-CA	-14.50	1.26	1.45
1	5I	15	SER	N-CA	-14.50	1.26	1.45
1	5M	15	SER	N-CA	-14.50	1.26	1.45
1	62	15	SER	N-CA	-14.50	1.26	1.45
1	66	15	SER	N-CA	-14.50	1.26	1.45
1	7A	15	SER	N-CA	-14.50	1.26	1.45
2	1B	23	HIS	ND1-CE1	-14.49	1.18	1.32
1	1E	26	ALA	C-O	-14.49	1.04	1.23
2	1J	23	HIS	ND1-CE1	-14.49	1.18	1.32
2	2F	23	HIS	ND1-CE1	-14.49	1.18	1.32
1	2M	26	ALA	C-O	-14.49	1.04	1.23
1	22	26	ALA	C-O	-14.49	1.04	1.23
2	27	23	HIS	ND1-CE1	-14.49	1.18	1.32
2	3F	23	HIS	ND1-CE1	-14.49	1.18	1.32
1	3M	26	ALA	C-O	-14.49	1.04	1.23
1	36	26	ALA	C-O	-14.49	1.04	1.23
2	4B	23	HIS	ND1-CE1	-14.49	1.18	1.32
1	4I	26	ALA	C-O	-14.49	1.04	1.23
2	4N	23	HIS	ND1-CE1	-14.49	1.18	1.32
1	4Q	26	ALA	C-O	-14.49	1.04	1.23
2	4V	23	HIS	ND1-CE1	-14.49	1.18	1.32
2	5R	23	HIS	ND1-CE1	-14.49	1.18	1.32
1	5Y	26	ALA	C-O	-14.49	1.04	1.23
1	6E	26	ALA	C-O	-14.49	1.04	1.23
2	6J	23	HIS	ND1-CE1	-14.49	1.18	1.32
2	6R	23	HIS	ND1-CE1	-14.49	1.18	1.32
1	6Y	26	ALA	C-O	-14.49	1.04	1.23
1	7I	26	ALA	C-O	-14.49	1.04	1.23
2	7N	23	HIS	ND1-CE1	-14.49	1.18	1.32
1	7U	26	ALA	C-O	-14.49	1.04	1.23
2	1F	72	ARG	C-N	14.49	1.47	1.33
2	2N	72	ARG	C-N	14.49	1.47	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	72	ARG	C-N	14.49	1.47	1.33
2	3N	72	ARG	C-N	14.49	1.47	1.33
2	37	72	ARG	C-N	14.49	1.47	1.33
2	4J	72	ARG	C-N	14.49	1.47	1.33
2	4R	72	ARG	C-N	14.49	1.47	1.33
2	5Z	72	ARG	C-N	14.49	1.47	1.33
2	6F	72	ARG	C-N	14.49	1.47	1.33
2	6Z	72	ARG	C-N	14.49	1.47	1.33
2	7J	72	ARG	C-N	14.49	1.47	1.33
2	7V	72	ARG	C-N	14.49	1.47	1.33
2	1F	215	GLN	CG-CD	14.48	1.88	1.52
2	2N	215	GLN	CG-CD	14.48	1.88	1.52
2	23	215	GLN	CG-CD	14.48	1.88	1.52
2	3N	215	GLN	CG-CD	14.48	1.88	1.52
2	37	215	GLN	CG-CD	14.48	1.88	1.52
2	4J	215	GLN	CG-CD	14.48	1.88	1.52
2	4R	215	GLN	CG-CD	14.48	1.88	1.52
2	5Z	215	GLN	CG-CD	14.48	1.88	1.52
2	6F	215	GLN	CG-CD	14.48	1.88	1.52
2	6Z	215	GLN	CG-CD	14.48	1.88	1.52
2	7J	215	GLN	CG-CD	14.48	1.88	1.52
2	7V	215	GLN	CG-CD	14.48	1.88	1.52
2	1V	227	TYR	CB-CG	14.47	1.83	1.51
2	2R	227	TYR	CB-CG	14.47	1.83	1.51
2	1B	215	GLN	CG-CD	14.47	1.88	1.52
2	1J	215	GLN	CG-CD	14.47	1.88	1.52
2	1N	215	GLN	CG-CD	14.47	1.88	1.52
2	1R	227	TYR	CB-CG	14.47	1.83	1.51
2	1Z	227	TYR	CB-CG	14.47	1.83	1.51
2	2V	227	TYR	CB-CG	14.47	1.83	1.51
2	43	227	TYR	CB-CG	14.47	1.83	1.51
2	47	227	TYR	CB-CG	14.47	1.83	1.51
2	57	227	TYR	CB-CG	14.47	1.83	1.51
2	6B	227	TYR	CB-CG	14.47	1.83	1.51
2	1R	215	GLN	CG-CD	14.47	1.88	1.52
2	1V	215	GLN	CG-CD	14.47	1.88	1.52
2	1Z	215	GLN	CG-CD	14.47	1.88	1.52
2	13	215	GLN	CG-CD	14.47	1.88	1.52
2	17	215	GLN	CG-CD	14.47	1.88	1.52
2	2B	215	GLN	CG-CD	14.47	1.88	1.52
2	2F	215	GLN	CG-CD	14.47	1.88	1.52
2	2J	215	GLN	CG-CD	14.47	1.88	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2Z	227	TYR	CB-CG	14.47	1.83	1.51
2	2R	215	GLN	CG-CD	14.47	1.88	1.52
2	2V	215	GLN	CG-CD	14.47	1.88	1.52
2	2Z	215	GLN	CG-CD	14.47	1.88	1.52
2	27	215	GLN	CG-CD	14.47	1.88	1.52
2	3B	215	GLN	CG-CD	14.47	1.88	1.52
2	3F	215	GLN	CG-CD	14.47	1.88	1.52
2	3J	215	GLN	CG-CD	14.47	1.88	1.52
2	3R	215	GLN	CG-CD	14.47	1.88	1.52
2	3V	215	GLN	CG-CD	14.47	1.88	1.52
2	3Z	215	GLN	CG-CD	14.47	1.88	1.52
2	33	215	GLN	CG-CD	14.47	1.88	1.52
2	4B	215	GLN	CG-CD	14.47	1.88	1.52
2	4F	215	GLN	CG-CD	14.47	1.88	1.52
2	4N	215	GLN	CG-CD	14.47	1.88	1.52
2	4V	215	GLN	CG-CD	14.47	1.88	1.52
2	4Z	215	GLN	CG-CD	14.47	1.88	1.52
2	5B	227	TYR	CB-CG	14.47	1.83	1.51
2	43	215	GLN	CG-CD	14.47	1.88	1.52
2	47	215	GLN	CG-CD	14.47	1.88	1.52
2	5B	215	GLN	CG-CD	14.47	1.88	1.52
2	5F	215	GLN	CG-CD	14.47	1.88	1.52
2	5J	215	GLN	CG-CD	14.47	1.88	1.52
2	5N	215	GLN	CG-CD	14.47	1.88	1.52
2	5R	215	GLN	CG-CD	14.47	1.88	1.52
2	5V	215	GLN	CG-CD	14.47	1.88	1.52
2	53	227	TYR	CB-CG	14.47	1.83	1.51
2	53	215	GLN	CG-CD	14.47	1.88	1.52
2	57	215	GLN	CG-CD	14.47	1.88	1.52
2	6B	215	GLN	CG-CD	14.47	1.88	1.52
2	6J	215	GLN	CG-CD	14.47	1.88	1.52
2	6N	215	GLN	CG-CD	14.47	1.88	1.52
2	6R	215	GLN	CG-CD	14.47	1.88	1.52
2	6V	215	GLN	CG-CD	14.47	1.88	1.52
2	63	215	GLN	CG-CD	14.47	1.88	1.52
2	67	215	GLN	CG-CD	14.47	1.88	1.52
2	7B	215	GLN	CG-CD	14.47	1.88	1.52
2	7F	215	GLN	CG-CD	14.47	1.88	1.52
2	7N	215	GLN	CG-CD	14.47	1.88	1.52
2	7R	215	GLN	CG-CD	14.47	1.88	1.52
2	1N	227	TYR	CB-CG	14.47	1.83	1.51
2	1R	23	HIS	ND1-CE1	-14.47	1.18	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1V	23	HIS	ND1-CE1	-14.47	1.18	1.32
2	1Z	23	HIS	ND1-CE1	-14.47	1.18	1.32
2	2J	227	TYR	CB-CG	14.47	1.83	1.51
2	2R	23	HIS	ND1-CE1	-14.47	1.18	1.32
2	2V	23	HIS	ND1-CE1	-14.47	1.18	1.32
2	2Z	23	HIS	ND1-CE1	-14.47	1.18	1.32
2	3B	227	TYR	CB-CG	14.47	1.83	1.51
2	3J	227	TYR	CB-CG	14.47	1.83	1.51
2	33	227	TYR	CB-CG	14.47	1.83	1.51
2	4F	227	TYR	CB-CG	14.47	1.83	1.51
2	4Z	227	TYR	CB-CG	14.47	1.83	1.51
2	43	23	HIS	ND1-CE1	-14.47	1.18	1.32
2	47	23	HIS	ND1-CE1	-14.47	1.18	1.32
2	5B	23	HIS	ND1-CE1	-14.47	1.18	1.32
2	5V	227	TYR	CB-CG	14.47	1.83	1.51
2	53	23	HIS	ND1-CE1	-14.47	1.18	1.32
2	57	23	HIS	ND1-CE1	-14.47	1.18	1.32
2	6B	23	HIS	ND1-CE1	-14.47	1.18	1.32
2	6N	227	TYR	CB-CG	14.47	1.83	1.51
2	6V	227	TYR	CB-CG	14.47	1.83	1.51
2	7F	227	TYR	CB-CG	14.47	1.83	1.51
2	7R	227	TYR	CB-CG	14.47	1.83	1.51
1	1E	91	PRO	C-O	-14.46	1.05	1.23
1	2M	91	PRO	C-O	-14.46	1.05	1.23
1	22	91	PRO	C-O	-14.46	1.05	1.23
1	3M	91	PRO	C-O	-14.46	1.05	1.23
1	36	91	PRO	C-O	-14.46	1.05	1.23
1	4I	91	PRO	C-O	-14.46	1.05	1.23
1	4Q	91	PRO	C-O	-14.46	1.05	1.23
1	5Y	91	PRO	C-O	-14.46	1.05	1.23
1	6E	91	PRO	C-O	-14.46	1.05	1.23
1	6Y	91	PRO	C-O	-14.46	1.05	1.23
1	7I	91	PRO	C-O	-14.46	1.05	1.23
1	7U	91	PRO	C-O	-14.46	1.05	1.23
1	1Q	26	ALA	C-O	-14.46	1.04	1.23
1	1U	26	ALA	C-O	-14.46	1.04	1.23
1	1Y	26	ALA	C-O	-14.46	1.04	1.23
1	2Q	26	ALA	C-O	-14.46	1.04	1.23
1	2U	26	ALA	C-O	-14.46	1.04	1.23
1	2Y	26	ALA	C-O	-14.46	1.04	1.23
1	42	26	ALA	C-O	-14.46	1.04	1.23
1	46	26	ALA	C-O	-14.46	1.04	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	26	ALA	C-O	-14.46	1.04	1.23
1	52	26	ALA	C-O	-14.46	1.04	1.23
1	56	26	ALA	C-O	-14.46	1.04	1.23
1	6A	26	ALA	C-O	-14.46	1.04	1.23
1	1A	26	ALA	C-O	-14.46	1.04	1.23
2	1B	227	TYR	CB-CG	14.46	1.83	1.51
1	1I	26	ALA	C-O	-14.46	1.04	1.23
2	1J	227	TYR	CB-CG	14.46	1.83	1.51
1	2E	26	ALA	C-O	-14.46	1.04	1.23
2	2F	227	TYR	CB-CG	14.46	1.83	1.51
1	26	26	ALA	C-O	-14.46	1.04	1.23
2	27	227	TYR	CB-CG	14.46	1.83	1.51
1	3E	26	ALA	C-O	-14.46	1.04	1.23
2	3F	227	TYR	CB-CG	14.46	1.83	1.51
1	4A	26	ALA	C-O	-14.46	1.04	1.23
2	4B	227	TYR	CB-CG	14.46	1.83	1.51
1	4M	26	ALA	C-O	-14.46	1.04	1.23
2	4N	227	TYR	CB-CG	14.46	1.83	1.51
1	4U	26	ALA	C-O	-14.46	1.04	1.23
2	4V	227	TYR	CB-CG	14.46	1.83	1.51
1	5Q	26	ALA	C-O	-14.46	1.04	1.23
2	5R	227	TYR	CB-CG	14.46	1.83	1.51
1	6I	26	ALA	C-O	-14.46	1.04	1.23
2	6J	227	TYR	CB-CG	14.46	1.83	1.51
1	6Q	26	ALA	C-O	-14.46	1.04	1.23
2	6R	227	TYR	CB-CG	14.46	1.83	1.51
1	7M	26	ALA	C-O	-14.46	1.04	1.23
2	7N	227	TYR	CB-CG	14.46	1.83	1.51
1	1M	38	PRO	N-CA	-14.45	1.28	1.47
1	2I	38	PRO	N-CA	-14.45	1.28	1.47
1	3A	38	PRO	N-CA	-14.45	1.28	1.47
1	3I	38	PRO	N-CA	-14.45	1.28	1.47
1	32	38	PRO	N-CA	-14.45	1.28	1.47
1	4E	38	PRO	N-CA	-14.45	1.28	1.47
1	4Y	38	PRO	N-CA	-14.45	1.28	1.47
1	5U	38	PRO	N-CA	-14.45	1.28	1.47
1	6M	38	PRO	N-CA	-14.45	1.28	1.47
1	6U	38	PRO	N-CA	-14.45	1.28	1.47
1	7E	38	PRO	N-CA	-14.45	1.28	1.47
1	7Q	38	PRO	N-CA	-14.45	1.28	1.47
2	1F	227	TYR	CB-CG	14.44	1.83	1.51
2	2N	227	TYR	CB-CG	14.44	1.83	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	227	TYR	CB-CG	14.44	1.83	1.51
2	3N	227	TYR	CB-CG	14.44	1.83	1.51
2	37	227	TYR	CB-CG	14.44	1.83	1.51
2	4J	227	TYR	CB-CG	14.44	1.83	1.51
2	4R	227	TYR	CB-CG	14.44	1.83	1.51
2	5Z	227	TYR	CB-CG	14.44	1.83	1.51
2	6F	227	TYR	CB-CG	14.44	1.83	1.51
2	6Z	227	TYR	CB-CG	14.44	1.83	1.51
2	7J	227	TYR	CB-CG	14.44	1.83	1.51
2	7V	227	TYR	CB-CG	14.44	1.83	1.51
1	1E	38	PRO	N-CA	-14.44	1.28	1.47
1	2M	38	PRO	N-CA	-14.44	1.28	1.47
1	22	38	PRO	N-CA	-14.44	1.28	1.47
1	3M	38	PRO	N-CA	-14.44	1.28	1.47
1	36	38	PRO	N-CA	-14.44	1.28	1.47
1	4I	38	PRO	N-CA	-14.44	1.28	1.47
1	4Q	38	PRO	N-CA	-14.44	1.28	1.47
1	5Y	38	PRO	N-CA	-14.44	1.28	1.47
1	6E	38	PRO	N-CA	-14.44	1.28	1.47
1	6Y	38	PRO	N-CA	-14.44	1.28	1.47
1	7I	38	PRO	N-CA	-14.44	1.28	1.47
1	7U	38	PRO	N-CA	-14.44	1.28	1.47
2	13	227	TYR	CB-CG	14.43	1.83	1.51
2	17	227	TYR	CB-CG	14.43	1.83	1.51
2	2B	227	TYR	CB-CG	14.43	1.83	1.51
2	3R	227	TYR	CB-CG	14.43	1.83	1.51
2	3V	227	TYR	CB-CG	14.43	1.83	1.51
2	3Z	227	TYR	CB-CG	14.43	1.83	1.51
2	5F	227	TYR	CB-CG	14.43	1.83	1.51
2	5J	227	TYR	CB-CG	14.43	1.83	1.51
2	5N	227	TYR	CB-CG	14.43	1.83	1.51
2	63	227	TYR	CB-CG	14.43	1.83	1.51
2	67	227	TYR	CB-CG	14.43	1.83	1.51
2	7B	227	TYR	CB-CG	14.43	1.83	1.51
1	1A	38	PRO	N-CA	-14.42	1.28	1.47
1	1I	38	PRO	N-CA	-14.42	1.28	1.47
1	1Q	38	PRO	N-CA	-14.42	1.28	1.47
1	1U	38	PRO	N-CA	-14.42	1.28	1.47
1	1Y	38	PRO	N-CA	-14.42	1.28	1.47
1	2E	38	PRO	N-CA	-14.42	1.28	1.47
1	2Q	38	PRO	N-CA	-14.42	1.28	1.47
1	2U	38	PRO	N-CA	-14.42	1.28	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2Y	38	PRO	N-CA	-14.42	1.28	1.47
1	26	38	PRO	N-CA	-14.42	1.28	1.47
1	3E	38	PRO	N-CA	-14.42	1.28	1.47
1	4A	38	PRO	N-CA	-14.42	1.28	1.47
1	4M	38	PRO	N-CA	-14.42	1.28	1.47
1	4U	38	PRO	N-CA	-14.42	1.28	1.47
1	42	38	PRO	N-CA	-14.42	1.28	1.47
1	46	38	PRO	N-CA	-14.42	1.28	1.47
1	5A	38	PRO	N-CA	-14.42	1.28	1.47
1	5Q	38	PRO	N-CA	-14.42	1.28	1.47
1	52	38	PRO	N-CA	-14.42	1.28	1.47
1	56	38	PRO	N-CA	-14.42	1.28	1.47
1	6A	38	PRO	N-CA	-14.42	1.28	1.47
1	6I	38	PRO	N-CA	-14.42	1.28	1.47
1	6Q	38	PRO	N-CA	-14.42	1.28	1.47
1	7M	38	PRO	N-CA	-14.42	1.28	1.47
1	1A	91	PRO	C-O	-14.42	1.05	1.23
1	1I	91	PRO	C-O	-14.42	1.05	1.23
1	2E	91	PRO	C-O	-14.42	1.05	1.23
1	26	91	PRO	C-O	-14.42	1.05	1.23
1	3E	91	PRO	C-O	-14.42	1.05	1.23
1	4A	91	PRO	C-O	-14.42	1.05	1.23
1	4M	91	PRO	C-O	-14.42	1.05	1.23
1	4U	91	PRO	C-O	-14.42	1.05	1.23
1	5Q	91	PRO	C-O	-14.42	1.05	1.23
1	6I	91	PRO	C-O	-14.42	1.05	1.23
1	6Q	91	PRO	C-O	-14.42	1.05	1.23
1	7M	91	PRO	C-O	-14.42	1.05	1.23
2	1F	78	HIS	C-O	14.40	1.42	1.24
1	12	38	PRO	N-CA	-14.40	1.28	1.47
1	16	38	PRO	N-CA	-14.40	1.28	1.47
1	2A	38	PRO	N-CA	-14.40	1.28	1.47
2	2N	78	HIS	C-O	14.40	1.42	1.24
2	23	78	HIS	C-O	14.40	1.42	1.24
2	3N	78	HIS	C-O	14.40	1.42	1.24
1	3Q	38	PRO	N-CA	-14.40	1.28	1.47
1	3U	38	PRO	N-CA	-14.40	1.28	1.47
1	3Y	38	PRO	N-CA	-14.40	1.28	1.47
2	37	78	HIS	C-O	14.40	1.42	1.24
2	4J	78	HIS	C-O	14.40	1.42	1.24
2	4R	78	HIS	C-O	14.40	1.42	1.24
1	5E	38	PRO	N-CA	-14.40	1.28	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5I	38	PRO	N-CA	-14.40	1.28	1.47
1	5M	38	PRO	N-CA	-14.40	1.28	1.47
2	5Z	78	HIS	C-O	14.40	1.42	1.24
2	6F	78	HIS	C-O	14.40	1.42	1.24
2	6Z	78	HIS	C-O	14.40	1.42	1.24
1	62	38	PRO	N-CA	-14.40	1.28	1.47
1	66	38	PRO	N-CA	-14.40	1.28	1.47
1	7A	38	PRO	N-CA	-14.40	1.28	1.47
2	7J	78	HIS	C-O	14.40	1.42	1.24
2	7V	78	HIS	C-O	14.40	1.42	1.24
1	1Q	90	PHE	CD1-CE1	14.40	1.81	1.38
1	1U	90	PHE	CD1-CE1	14.40	1.81	1.38
1	1Y	90	PHE	CD1-CE1	14.40	1.81	1.38
1	2Q	90	PHE	CD1-CE1	14.40	1.81	1.38
1	2U	90	PHE	CD1-CE1	14.40	1.81	1.38
1	2Y	90	PHE	CD1-CE1	14.40	1.81	1.38
1	42	90	PHE	CD1-CE1	14.40	1.81	1.38
1	46	90	PHE	CD1-CE1	14.40	1.81	1.38
1	5A	90	PHE	CD1-CE1	14.40	1.81	1.38
1	52	90	PHE	CD1-CE1	14.40	1.81	1.38
1	56	90	PHE	CD1-CE1	14.40	1.81	1.38
1	6A	90	PHE	CD1-CE1	14.40	1.81	1.38
2	1B	78	HIS	C-O	14.40	1.42	1.24
2	1J	78	HIS	C-O	14.40	1.42	1.24
2	2F	78	HIS	C-O	14.40	1.42	1.24
2	27	78	HIS	C-O	14.40	1.42	1.24
2	3F	78	HIS	C-O	14.40	1.42	1.24
2	4B	78	HIS	C-O	14.40	1.42	1.24
2	4N	78	HIS	C-O	14.40	1.42	1.24
2	4V	78	HIS	C-O	14.40	1.42	1.24
2	5R	78	HIS	C-O	14.40	1.42	1.24
2	6J	78	HIS	C-O	14.40	1.42	1.24
2	6R	78	HIS	C-O	14.40	1.42	1.24
2	7N	78	HIS	C-O	14.40	1.42	1.24
1	1M	91	PRO	C-O	-14.39	1.06	1.23
1	2I	91	PRO	C-O	-14.39	1.06	1.23
1	3A	91	PRO	C-O	-14.39	1.06	1.23
1	3I	91	PRO	C-O	-14.39	1.06	1.23
1	32	91	PRO	C-O	-14.39	1.06	1.23
1	4E	91	PRO	C-O	-14.39	1.06	1.23
1	4Y	91	PRO	C-O	-14.39	1.06	1.23
1	5U	91	PRO	C-O	-14.39	1.06	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	91	PRO	C-O	-14.39	1.06	1.23
1	6U	91	PRO	C-O	-14.39	1.06	1.23
1	7E	91	PRO	C-O	-14.39	1.06	1.23
1	7Q	91	PRO	C-O	-14.39	1.06	1.23
2	1R	78	HIS	C-O	14.39	1.42	1.24
2	1V	78	HIS	C-O	14.39	1.42	1.24
2	1Z	78	HIS	C-O	14.39	1.42	1.24
2	2R	78	HIS	C-O	14.39	1.42	1.24
2	2V	78	HIS	C-O	14.39	1.42	1.24
2	2Z	78	HIS	C-O	14.39	1.42	1.24
2	43	78	HIS	C-O	14.39	1.42	1.24
2	47	78	HIS	C-O	14.39	1.42	1.24
2	5B	78	HIS	C-O	14.39	1.42	1.24
2	53	78	HIS	C-O	14.39	1.42	1.24
2	57	78	HIS	C-O	14.39	1.42	1.24
2	6B	78	HIS	C-O	14.39	1.42	1.24
2	1N	78	HIS	C-O	14.39	1.42	1.24
1	1Q	91	PRO	C-O	-14.39	1.06	1.23
1	1U	91	PRO	C-O	-14.39	1.06	1.23
1	1Y	91	PRO	C-O	-14.39	1.06	1.23
2	2J	78	HIS	C-O	14.39	1.42	1.24
1	2Q	91	PRO	C-O	-14.39	1.06	1.23
1	2U	91	PRO	C-O	-14.39	1.06	1.23
1	2Y	91	PRO	C-O	-14.39	1.06	1.23
2	3B	78	HIS	C-O	14.39	1.42	1.24
2	3J	78	HIS	C-O	14.39	1.42	1.24
2	33	78	HIS	C-O	14.39	1.42	1.24
2	4F	78	HIS	C-O	14.39	1.42	1.24
2	4Z	78	HIS	C-O	14.39	1.42	1.24
1	42	91	PRO	C-O	-14.39	1.06	1.23
1	46	91	PRO	C-O	-14.39	1.06	1.23
1	5A	91	PRO	C-O	-14.39	1.06	1.23
2	5V	78	HIS	C-O	14.39	1.42	1.24
1	52	91	PRO	C-O	-14.39	1.06	1.23
1	56	91	PRO	C-O	-14.39	1.06	1.23
1	6A	91	PRO	C-O	-14.39	1.06	1.23
2	6N	78	HIS	C-O	14.39	1.42	1.24
2	6V	78	HIS	C-O	14.39	1.42	1.24
2	7F	78	HIS	C-O	14.39	1.42	1.24
2	7R	78	HIS	C-O	14.39	1.42	1.24
1	1M	78	SER	CA-C	14.38	1.70	1.52
1	2I	78	SER	CA-C	14.38	1.70	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	78	SER	CA-C	14.38	1.70	1.52
1	3I	78	SER	CA-C	14.38	1.70	1.52
1	32	78	SER	CA-C	14.38	1.70	1.52
1	4E	78	SER	CA-C	14.38	1.70	1.52
1	4Y	78	SER	CA-C	14.38	1.70	1.52
1	5U	78	SER	CA-C	14.38	1.70	1.52
1	6M	78	SER	CA-C	14.38	1.70	1.52
1	6U	78	SER	CA-C	14.38	1.70	1.52
1	7E	78	SER	CA-C	14.38	1.70	1.52
1	7Q	78	SER	CA-C	14.38	1.70	1.52
1	12	90	PHE	CD1-CE1	14.38	1.81	1.38
1	16	90	PHE	CD1-CE1	14.38	1.81	1.38
1	2A	90	PHE	CD1-CE1	14.38	1.81	1.38
1	3Q	90	PHE	CD1-CE1	14.38	1.81	1.38
1	3U	90	PHE	CD1-CE1	14.38	1.81	1.38
1	3Y	90	PHE	CD1-CE1	14.38	1.81	1.38
1	5E	90	PHE	CD1-CE1	14.38	1.81	1.38
1	5I	90	PHE	CD1-CE1	14.38	1.81	1.38
1	5M	90	PHE	CD1-CE1	14.38	1.81	1.38
1	62	90	PHE	CD1-CE1	14.38	1.81	1.38
1	66	90	PHE	CD1-CE1	14.38	1.81	1.38
1	7A	90	PHE	CD1-CE1	14.38	1.81	1.38
1	12	91	PRO	C-O	-14.37	1.06	1.23
1	16	91	PRO	C-O	-14.37	1.06	1.23
1	2A	91	PRO	C-O	-14.37	1.06	1.23
1	3Q	91	PRO	C-O	-14.37	1.06	1.23
1	3U	91	PRO	C-O	-14.37	1.06	1.23
1	3Y	91	PRO	C-O	-14.37	1.06	1.23
1	5E	91	PRO	C-O	-14.37	1.06	1.23
1	5I	91	PRO	C-O	-14.37	1.06	1.23
1	5M	91	PRO	C-O	-14.37	1.06	1.23
1	62	91	PRO	C-O	-14.37	1.06	1.23
1	66	91	PRO	C-O	-14.37	1.06	1.23
1	7A	91	PRO	C-O	-14.37	1.06	1.23
1	1A	90	PHE	CD1-CE1	14.37	1.81	1.38
1	1I	90	PHE	CD1-CE1	14.37	1.81	1.38
1	3E	90	PHE	CD1-CE1	14.37	1.81	1.38
1	4M	90	PHE	CD1-CE1	14.37	1.81	1.38
1	1E	90	PHE	CD1-CE1	14.37	1.81	1.38
2	13	78	HIS	C-O	14.37	1.42	1.24
2	17	78	HIS	C-O	14.37	1.42	1.24
2	2B	78	HIS	C-O	14.37	1.42	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	90	PHE	CD1-CE1	14.37	1.81	1.38
1	26	90	PHE	CD1-CE1	14.37	1.81	1.38
2	3R	78	HIS	C-O	14.37	1.42	1.24
2	3V	78	HIS	C-O	14.37	1.42	1.24
1	4A	90	PHE	CD1-CE1	14.37	1.81	1.38
1	4U	90	PHE	CD1-CE1	14.37	1.81	1.38
1	5Q	90	PHE	CD1-CE1	14.37	1.81	1.38
1	6I	90	PHE	CD1-CE1	14.37	1.81	1.38
1	1M	90	PHE	CD1-CE1	14.37	1.81	1.38
1	2I	90	PHE	CD1-CE1	14.37	1.81	1.38
1	2M	90	PHE	CD1-CE1	14.37	1.81	1.38
1	22	90	PHE	CD1-CE1	14.37	1.81	1.38
2	3Z	78	HIS	C-O	14.37	1.42	1.24
2	5F	78	HIS	C-O	14.37	1.42	1.24
2	5N	78	HIS	C-O	14.37	1.42	1.24
1	6Q	90	PHE	CD1-CE1	14.37	1.81	1.38
1	7M	90	PHE	CD1-CE1	14.37	1.81	1.38
1	3A	90	PHE	CD1-CE1	14.37	1.81	1.38
1	3I	90	PHE	CD1-CE1	14.37	1.81	1.38
1	3M	90	PHE	CD1-CE1	14.37	1.81	1.38
1	32	90	PHE	CD1-CE1	14.37	1.81	1.38
1	36	90	PHE	CD1-CE1	14.37	1.81	1.38
1	4E	90	PHE	CD1-CE1	14.37	1.81	1.38
1	4I	90	PHE	CD1-CE1	14.37	1.81	1.38
1	4Q	90	PHE	CD1-CE1	14.37	1.81	1.38
2	5J	78	HIS	C-O	14.37	1.42	1.24
2	63	78	HIS	C-O	14.37	1.42	1.24
2	67	78	HIS	C-O	14.37	1.42	1.24
1	4Y	90	PHE	CD1-CE1	14.37	1.81	1.38
1	5U	90	PHE	CD1-CE1	14.37	1.81	1.38
1	5Y	90	PHE	CD1-CE1	14.37	1.81	1.38
1	6E	90	PHE	CD1-CE1	14.37	1.81	1.38
2	7B	78	HIS	C-O	14.37	1.42	1.24
1	6M	90	PHE	CD1-CE1	14.37	1.81	1.38
1	6U	90	PHE	CD1-CE1	14.37	1.81	1.38
1	6Y	90	PHE	CD1-CE1	14.37	1.81	1.38
1	7E	90	PHE	CD1-CE1	14.37	1.81	1.38
1	7I	90	PHE	CD1-CE1	14.37	1.81	1.38
1	7Q	90	PHE	CD1-CE1	14.37	1.81	1.38
1	7U	90	PHE	CD1-CE1	14.37	1.81	1.38
1	1A	78	SER	CA-C	14.34	1.70	1.52
1	1I	78	SER	CA-C	14.34	1.70	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	78	SER	CA-C	14.34	1.70	1.52
1	26	78	SER	CA-C	14.34	1.70	1.52
1	3E	78	SER	CA-C	14.34	1.70	1.52
1	4A	78	SER	CA-C	14.34	1.70	1.52
1	4M	78	SER	CA-C	14.34	1.70	1.52
1	4U	78	SER	CA-C	14.34	1.70	1.52
1	5Q	78	SER	CA-C	14.34	1.70	1.52
1	6I	78	SER	CA-C	14.34	1.70	1.52
1	6Q	78	SER	CA-C	14.34	1.70	1.52
1	7M	78	SER	CA-C	14.34	1.70	1.52
1	1M	48	TYR	C-O	-14.31	1.05	1.23
1	2I	48	TYR	C-O	-14.31	1.05	1.23
1	3A	48	TYR	C-O	-14.31	1.05	1.23
1	3I	48	TYR	C-O	-14.31	1.05	1.23
1	32	48	TYR	C-O	-14.31	1.05	1.23
1	4E	48	TYR	C-O	-14.31	1.05	1.23
1	4Y	48	TYR	C-O	-14.31	1.05	1.23
1	5U	48	TYR	C-O	-14.31	1.05	1.23
1	6M	48	TYR	C-O	-14.31	1.05	1.23
1	6U	48	TYR	C-O	-14.31	1.05	1.23
1	7E	48	TYR	C-O	-14.31	1.05	1.23
1	7Q	48	TYR	C-O	-14.31	1.05	1.23
1	1Q	78	SER	CA-C	14.31	1.70	1.52
1	1U	78	SER	CA-C	14.31	1.70	1.52
1	1Y	78	SER	CA-C	14.31	1.70	1.52
1	12	48	TYR	C-O	-14.31	1.05	1.23
1	16	48	TYR	C-O	-14.31	1.05	1.23
1	2A	48	TYR	C-O	-14.31	1.05	1.23
1	2Q	78	SER	CA-C	14.31	1.70	1.52
1	2U	78	SER	CA-C	14.31	1.70	1.52
1	2Y	78	SER	CA-C	14.31	1.70	1.52
1	3Q	48	TYR	C-O	-14.31	1.05	1.23
1	3U	48	TYR	C-O	-14.31	1.05	1.23
1	3Y	48	TYR	C-O	-14.31	1.05	1.23
1	42	78	SER	CA-C	14.31	1.70	1.52
1	46	78	SER	CA-C	14.31	1.70	1.52
1	5A	78	SER	CA-C	14.31	1.70	1.52
1	5E	48	TYR	C-O	-14.31	1.05	1.23
1	5I	48	TYR	C-O	-14.31	1.05	1.23
1	5M	48	TYR	C-O	-14.31	1.05	1.23
1	52	78	SER	CA-C	14.31	1.70	1.52
1	56	78	SER	CA-C	14.31	1.70	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6A	78	SER	CA-C	14.31	1.70	1.52
1	62	48	TYR	C-O	-14.31	1.05	1.23
1	66	48	TYR	C-O	-14.31	1.05	1.23
1	7A	48	TYR	C-O	-14.31	1.05	1.23
1	1A	48	TYR	C-O	-14.30	1.05	1.23
1	1E	78	SER	CA-C	14.30	1.70	1.52
1	1I	48	TYR	C-O	-14.30	1.05	1.23
1	2E	48	TYR	C-O	-14.30	1.05	1.23
1	2M	78	SER	CA-C	14.30	1.70	1.52
1	22	78	SER	CA-C	14.30	1.70	1.52
1	26	48	TYR	C-O	-14.30	1.05	1.23
1	3E	48	TYR	C-O	-14.30	1.05	1.23
1	3M	78	SER	CA-C	14.30	1.70	1.52
1	36	78	SER	CA-C	14.30	1.70	1.52
1	4A	48	TYR	C-O	-14.30	1.05	1.23
1	4I	78	SER	CA-C	14.30	1.70	1.52
1	4M	48	TYR	C-O	-14.30	1.05	1.23
1	4Q	78	SER	CA-C	14.30	1.70	1.52
1	4U	48	TYR	C-O	-14.30	1.05	1.23
1	5Q	48	TYR	C-O	-14.30	1.05	1.23
1	5Y	78	SER	CA-C	14.30	1.70	1.52
1	6E	78	SER	CA-C	14.30	1.70	1.52
1	6I	48	TYR	C-O	-14.30	1.05	1.23
1	6Q	48	TYR	C-O	-14.30	1.05	1.23
1	6Y	78	SER	CA-C	14.30	1.70	1.52
1	7I	78	SER	CA-C	14.30	1.70	1.52
1	7M	48	TYR	C-O	-14.30	1.05	1.23
1	7U	78	SER	CA-C	14.30	1.70	1.52
1	1E	48	TYR	C-O	-14.30	1.05	1.23
1	12	152	SER	CB-OG	-14.30	1.13	1.42
1	16	152	SER	CB-OG	-14.30	1.13	1.42
1	2A	152	SER	CB-OG	-14.30	1.13	1.42
1	2M	48	TYR	C-O	-14.30	1.05	1.23
1	22	48	TYR	C-O	-14.30	1.05	1.23
1	3M	48	TYR	C-O	-14.30	1.05	1.23
1	3Q	152	SER	CB-OG	-14.30	1.13	1.42
1	3U	152	SER	CB-OG	-14.30	1.13	1.42
1	3Y	152	SER	CB-OG	-14.30	1.13	1.42
1	36	48	TYR	C-O	-14.30	1.05	1.23
1	4I	48	TYR	C-O	-14.30	1.05	1.23
1	4Q	48	TYR	C-O	-14.30	1.05	1.23
1	5E	152	SER	CB-OG	-14.30	1.13	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5I	152	SER	CB-OG	-14.30	1.13	1.42
1	5M	152	SER	CB-OG	-14.30	1.13	1.42
1	5Y	48	TYR	C-O	-14.30	1.05	1.23
1	6E	48	TYR	C-O	-14.30	1.05	1.23
1	6Y	48	TYR	C-O	-14.30	1.05	1.23
1	62	152	SER	CB-OG	-14.30	1.13	1.42
1	66	152	SER	CB-OG	-14.30	1.13	1.42
1	7A	152	SER	CB-OG	-14.30	1.13	1.42
1	7I	48	TYR	C-O	-14.30	1.05	1.23
1	7U	48	TYR	C-O	-14.30	1.05	1.23
1	1A	152	SER	CB-OG	-14.29	1.13	1.42
1	1I	152	SER	CB-OG	-14.29	1.13	1.42
1	2E	152	SER	CB-OG	-14.29	1.13	1.42
1	26	152	SER	CB-OG	-14.29	1.13	1.42
1	3E	152	SER	CB-OG	-14.29	1.13	1.42
1	4A	152	SER	CB-OG	-14.29	1.13	1.42
1	4M	152	SER	CB-OG	-14.29	1.13	1.42
1	4U	152	SER	CB-OG	-14.29	1.13	1.42
1	5Q	152	SER	CB-OG	-14.29	1.13	1.42
1	6I	152	SER	CB-OG	-14.29	1.13	1.42
1	6Q	152	SER	CB-OG	-14.29	1.13	1.42
1	7M	152	SER	CB-OG	-14.29	1.13	1.42
1	12	78	SER	CA-C	14.28	1.70	1.52
1	16	78	SER	CA-C	14.28	1.70	1.52
1	2A	78	SER	CA-C	14.28	1.70	1.52
1	3Q	78	SER	CA-C	14.28	1.70	1.52
1	3U	78	SER	CA-C	14.28	1.70	1.52
1	3Y	78	SER	CA-C	14.28	1.70	1.52
1	5E	78	SER	CA-C	14.28	1.70	1.52
1	5I	78	SER	CA-C	14.28	1.70	1.52
1	5M	78	SER	CA-C	14.28	1.70	1.52
1	62	78	SER	CA-C	14.28	1.70	1.52
1	66	78	SER	CA-C	14.28	1.70	1.52
1	7A	78	SER	CA-C	14.28	1.70	1.52
1	1Q	48	TYR	C-O	-14.27	1.05	1.23
1	1Q	152	SER	CB-OG	-14.27	1.13	1.42
1	1U	48	TYR	C-O	-14.27	1.05	1.23
1	1U	152	SER	CB-OG	-14.27	1.13	1.42
1	1Y	48	TYR	C-O	-14.27	1.05	1.23
1	1Y	152	SER	CB-OG	-14.27	1.13	1.42
1	2Q	48	TYR	C-O	-14.27	1.05	1.23
1	2Q	152	SER	CB-OG	-14.27	1.13	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2U	48	TYR	C-O	-14.27	1.05	1.23
1	2U	152	SER	CB-OG	-14.27	1.13	1.42
1	2Y	48	TYR	C-O	-14.27	1.05	1.23
1	2Y	152	SER	CB-OG	-14.27	1.13	1.42
1	42	48	TYR	C-O	-14.27	1.05	1.23
1	42	152	SER	CB-OG	-14.27	1.13	1.42
1	46	48	TYR	C-O	-14.27	1.05	1.23
1	46	152	SER	CB-OG	-14.27	1.13	1.42
1	5A	48	TYR	C-O	-14.27	1.05	1.23
1	5A	152	SER	CB-OG	-14.27	1.13	1.42
1	52	48	TYR	C-O	-14.27	1.05	1.23
1	52	152	SER	CB-OG	-14.27	1.13	1.42
1	56	48	TYR	C-O	-14.27	1.05	1.23
1	56	152	SER	CB-OG	-14.27	1.13	1.42
1	6A	48	TYR	C-O	-14.27	1.05	1.23
1	6A	152	SER	CB-OG	-14.27	1.13	1.42
1	1E	152	SER	CB-OG	-14.25	1.13	1.42
1	2M	152	SER	CB-OG	-14.25	1.13	1.42
1	22	152	SER	CB-OG	-14.25	1.13	1.42
1	3M	152	SER	CB-OG	-14.25	1.13	1.42
1	36	152	SER	CB-OG	-14.25	1.13	1.42
1	4I	152	SER	CB-OG	-14.25	1.13	1.42
1	4Q	152	SER	CB-OG	-14.25	1.13	1.42
1	5Y	152	SER	CB-OG	-14.25	1.13	1.42
1	6E	152	SER	CB-OG	-14.25	1.13	1.42
1	6Y	152	SER	CB-OG	-14.25	1.13	1.42
1	7I	152	SER	CB-OG	-14.25	1.13	1.42
1	7U	152	SER	CB-OG	-14.25	1.13	1.42
2	1F	209	LEU	N-CA	-14.25	1.27	1.46
2	2N	209	LEU	N-CA	-14.25	1.27	1.46
2	23	209	LEU	N-CA	-14.25	1.27	1.46
2	3N	209	LEU	N-CA	-14.25	1.27	1.46
2	37	209	LEU	N-CA	-14.25	1.27	1.46
2	4J	209	LEU	N-CA	-14.25	1.27	1.46
2	4R	209	LEU	N-CA	-14.25	1.27	1.46
2	5Z	209	LEU	N-CA	-14.25	1.27	1.46
2	6F	209	LEU	N-CA	-14.25	1.27	1.46
2	6Z	209	LEU	N-CA	-14.25	1.27	1.46
2	7J	209	LEU	N-CA	-14.25	1.27	1.46
2	7V	209	LEU	N-CA	-14.25	1.27	1.46
2	13	26	ALA	C-N	-14.25	1.00	1.33
2	17	26	ALA	C-N	-14.25	1.00	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	26	ALA	C-N	-14.25	1.00	1.33
2	3R	26	ALA	C-N	-14.25	1.00	1.33
2	3V	26	ALA	C-N	-14.25	1.00	1.33
2	3Z	26	ALA	C-N	-14.25	1.00	1.33
2	5F	26	ALA	C-N	-14.25	1.00	1.33
2	5J	26	ALA	C-N	-14.25	1.00	1.33
2	5N	26	ALA	C-N	-14.25	1.00	1.33
2	63	26	ALA	C-N	-14.25	1.00	1.33
2	67	26	ALA	C-N	-14.25	1.00	1.33
2	7B	26	ALA	C-N	-14.25	1.00	1.33
1	1M	152	SER	CB-OG	-14.24	1.13	1.42
1	2I	152	SER	CB-OG	-14.24	1.13	1.42
1	3A	152	SER	CB-OG	-14.24	1.13	1.42
1	3I	152	SER	CB-OG	-14.24	1.13	1.42
1	32	152	SER	CB-OG	-14.24	1.13	1.42
1	4E	152	SER	CB-OG	-14.24	1.13	1.42
1	4Y	152	SER	CB-OG	-14.24	1.13	1.42
1	5U	152	SER	CB-OG	-14.24	1.13	1.42
1	6M	152	SER	CB-OG	-14.24	1.13	1.42
1	6U	152	SER	CB-OG	-14.24	1.13	1.42
1	7E	152	SER	CB-OG	-14.24	1.13	1.42
1	7Q	152	SER	CB-OG	-14.24	1.13	1.42
2	1N	26	ALA	C-N	-14.24	1.00	1.33
2	2J	26	ALA	C-N	-14.24	1.00	1.33
2	3B	26	ALA	C-N	-14.24	1.00	1.33
2	3J	26	ALA	C-N	-14.24	1.00	1.33
2	33	26	ALA	C-N	-14.24	1.00	1.33
2	4F	26	ALA	C-N	-14.24	1.00	1.33
2	4Z	26	ALA	C-N	-14.24	1.00	1.33
2	5V	26	ALA	C-N	-14.24	1.00	1.33
2	6N	26	ALA	C-N	-14.24	1.00	1.33
2	6V	26	ALA	C-N	-14.24	1.00	1.33
2	7F	26	ALA	C-N	-14.24	1.00	1.33
2	7R	26	ALA	C-N	-14.24	1.00	1.33
1	1A	21	ASN	CA-CB	-14.23	1.25	1.53
2	1F	26	ALA	C-N	-14.23	1.00	1.33
1	1I	21	ASN	CA-CB	-14.23	1.25	1.53
1	2E	21	ASN	CA-CB	-14.23	1.25	1.53
2	2N	26	ALA	C-N	-14.23	1.00	1.33
2	23	26	ALA	C-N	-14.23	1.00	1.33
1	26	21	ASN	CA-CB	-14.23	1.25	1.53
1	3E	21	ASN	CA-CB	-14.23	1.25	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3N	26	ALA	C-N	-14.23	1.00	1.33
2	37	26	ALA	C-N	-14.23	1.00	1.33
1	4A	21	ASN	CA-CB	-14.23	1.25	1.53
2	4J	26	ALA	C-N	-14.23	1.00	1.33
1	4M	21	ASN	CA-CB	-14.23	1.25	1.53
2	4R	26	ALA	C-N	-14.23	1.00	1.33
1	4U	21	ASN	CA-CB	-14.23	1.25	1.53
1	5Q	21	ASN	CA-CB	-14.23	1.25	1.53
2	5Z	26	ALA	C-N	-14.23	1.00	1.33
2	6F	26	ALA	C-N	-14.23	1.00	1.33
1	6I	21	ASN	CA-CB	-14.23	1.25	1.53
1	6Q	21	ASN	CA-CB	-14.23	1.25	1.53
2	6Z	26	ALA	C-N	-14.23	1.00	1.33
2	7J	26	ALA	C-N	-14.23	1.00	1.33
1	7M	21	ASN	CA-CB	-14.23	1.25	1.53
2	7V	26	ALA	C-N	-14.23	1.00	1.33
1	12	21	ASN	CA-CB	-14.22	1.25	1.53
1	16	21	ASN	CA-CB	-14.22	1.25	1.53
1	2A	21	ASN	CA-CB	-14.22	1.25	1.53
1	3Q	21	ASN	CA-CB	-14.22	1.25	1.53
1	3U	21	ASN	CA-CB	-14.22	1.25	1.53
1	3Y	21	ASN	CA-CB	-14.22	1.25	1.53
1	5E	21	ASN	CA-CB	-14.22	1.25	1.53
1	5I	21	ASN	CA-CB	-14.22	1.25	1.53
1	5M	21	ASN	CA-CB	-14.22	1.25	1.53
1	62	21	ASN	CA-CB	-14.22	1.25	1.53
1	66	21	ASN	CA-CB	-14.22	1.25	1.53
1	7A	21	ASN	CA-CB	-14.22	1.25	1.53
1	1M	21	ASN	CA-CB	-14.22	1.25	1.53
1	2I	21	ASN	CA-CB	-14.22	1.25	1.53
1	3A	21	ASN	CA-CB	-14.22	1.25	1.53
1	3I	21	ASN	CA-CB	-14.22	1.25	1.53
1	32	21	ASN	CA-CB	-14.22	1.25	1.53
1	4E	21	ASN	CA-CB	-14.22	1.25	1.53
1	4Y	21	ASN	CA-CB	-14.22	1.25	1.53
1	5U	21	ASN	CA-CB	-14.22	1.25	1.53
1	6M	21	ASN	CA-CB	-14.22	1.25	1.53
1	6U	21	ASN	CA-CB	-14.22	1.25	1.53
1	7E	21	ASN	CA-CB	-14.22	1.25	1.53
1	7Q	21	ASN	CA-CB	-14.22	1.25	1.53
2	1R	26	ALA	C-N	-14.22	1.00	1.33
2	1V	26	ALA	C-N	-14.22	1.00	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	26	ALA	C-N	-14.22	1.00	1.33
2	2R	26	ALA	C-N	-14.22	1.00	1.33
2	2V	26	ALA	C-N	-14.22	1.00	1.33
2	2Z	26	ALA	C-N	-14.22	1.00	1.33
2	43	26	ALA	C-N	-14.22	1.00	1.33
2	47	26	ALA	C-N	-14.22	1.00	1.33
2	5B	26	ALA	C-N	-14.22	1.00	1.33
2	53	26	ALA	C-N	-14.22	1.00	1.33
2	57	26	ALA	C-N	-14.22	1.00	1.33
2	6B	26	ALA	C-N	-14.22	1.00	1.33
2	1B	26	ALA	C-N	-14.22	1.00	1.33
2	1J	26	ALA	C-N	-14.22	1.00	1.33
2	2F	26	ALA	C-N	-14.22	1.00	1.33
2	27	26	ALA	C-N	-14.22	1.00	1.33
2	3F	26	ALA	C-N	-14.22	1.00	1.33
2	4B	26	ALA	C-N	-14.22	1.00	1.33
2	4N	26	ALA	C-N	-14.22	1.00	1.33
2	4V	26	ALA	C-N	-14.22	1.00	1.33
2	5R	26	ALA	C-N	-14.22	1.00	1.33
2	6J	26	ALA	C-N	-14.22	1.00	1.33
2	6R	26	ALA	C-N	-14.22	1.00	1.33
2	7N	26	ALA	C-N	-14.22	1.00	1.33
2	1B	209	LEU	N-CA	-14.21	1.27	1.46
2	1J	209	LEU	N-CA	-14.21	1.27	1.46
2	2F	209	LEU	N-CA	-14.21	1.27	1.46
2	27	209	LEU	N-CA	-14.21	1.27	1.46
2	3F	209	LEU	N-CA	-14.21	1.27	1.46
2	4B	209	LEU	N-CA	-14.21	1.27	1.46
2	4N	209	LEU	N-CA	-14.21	1.27	1.46
2	4V	209	LEU	N-CA	-14.21	1.27	1.46
2	5R	209	LEU	N-CA	-14.21	1.27	1.46
2	6J	209	LEU	N-CA	-14.21	1.27	1.46
2	6R	209	LEU	N-CA	-14.21	1.27	1.46
2	7N	209	LEU	N-CA	-14.21	1.27	1.46
1	1Q	21	ASN	CA-CB	-14.20	1.25	1.53
1	1U	21	ASN	CA-CB	-14.20	1.25	1.53
1	1Y	21	ASN	CA-CB	-14.20	1.25	1.53
1	2Q	21	ASN	CA-CB	-14.20	1.25	1.53
1	2U	21	ASN	CA-CB	-14.20	1.25	1.53
1	2Y	21	ASN	CA-CB	-14.20	1.25	1.53
1	42	21	ASN	CA-CB	-14.20	1.25	1.53
1	46	21	ASN	CA-CB	-14.20	1.25	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	21	ASN	CA-CB	-14.20	1.25	1.53
1	52	21	ASN	CA-CB	-14.20	1.25	1.53
1	56	21	ASN	CA-CB	-14.20	1.25	1.53
1	6A	21	ASN	CA-CB	-14.20	1.25	1.53
1	1E	95	THR	N-CA	14.20	1.64	1.46
1	2M	95	THR	N-CA	14.20	1.64	1.46
1	22	95	THR	N-CA	14.20	1.64	1.46
1	3M	95	THR	N-CA	14.20	1.64	1.46
1	36	95	THR	N-CA	14.20	1.64	1.46
1	4I	95	THR	N-CA	14.20	1.64	1.46
1	4Q	95	THR	N-CA	14.20	1.64	1.46
1	5Y	95	THR	N-CA	14.20	1.64	1.46
1	6E	95	THR	N-CA	14.20	1.64	1.46
1	6Y	95	THR	N-CA	14.20	1.64	1.46
1	7I	95	THR	N-CA	14.20	1.64	1.46
1	7U	95	THR	N-CA	14.20	1.64	1.46
1	1E	21	ASN	CA-CB	-14.19	1.25	1.53
1	2M	21	ASN	CA-CB	-14.19	1.25	1.53
1	22	21	ASN	CA-CB	-14.19	1.25	1.53
1	3M	21	ASN	CA-CB	-14.19	1.25	1.53
1	36	21	ASN	CA-CB	-14.19	1.25	1.53
1	4I	21	ASN	CA-CB	-14.19	1.25	1.53
1	4Q	21	ASN	CA-CB	-14.19	1.25	1.53
1	5Y	21	ASN	CA-CB	-14.19	1.25	1.53
1	6E	21	ASN	CA-CB	-14.19	1.25	1.53
1	6Y	21	ASN	CA-CB	-14.19	1.25	1.53
1	7I	21	ASN	CA-CB	-14.19	1.25	1.53
1	7U	21	ASN	CA-CB	-14.19	1.25	1.53
1	1A	95	THR	N-CA	14.19	1.64	1.46
1	1I	95	THR	N-CA	14.19	1.64	1.46
1	2E	95	THR	N-CA	14.19	1.64	1.46
1	26	95	THR	N-CA	14.19	1.64	1.46
1	3E	95	THR	N-CA	14.19	1.64	1.46
1	4A	95	THR	N-CA	14.19	1.64	1.46
1	4M	95	THR	N-CA	14.19	1.64	1.46
1	4U	95	THR	N-CA	14.19	1.64	1.46
1	5Q	95	THR	N-CA	14.19	1.64	1.46
1	6I	95	THR	N-CA	14.19	1.64	1.46
1	6Q	95	THR	N-CA	14.19	1.64	1.46
1	7M	95	THR	N-CA	14.19	1.64	1.46
2	1N	76	ILE	C-N	14.18	1.53	1.33
2	2J	76	ILE	C-N	14.18	1.53	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	76	ILE	C-N	14.18	1.53	1.33
2	3J	76	ILE	C-N	14.18	1.53	1.33
2	33	76	ILE	C-N	14.18	1.53	1.33
2	4F	76	ILE	C-N	14.18	1.53	1.33
2	4Z	76	ILE	C-N	14.18	1.53	1.33
2	5V	76	ILE	C-N	14.18	1.53	1.33
2	6N	76	ILE	C-N	14.18	1.53	1.33
2	6V	76	ILE	C-N	14.18	1.53	1.33
2	7F	76	ILE	C-N	14.18	1.53	1.33
2	7R	76	ILE	C-N	14.18	1.53	1.33
1	1M	95	THR	N-CA	14.18	1.64	1.46
1	2I	95	THR	N-CA	14.18	1.64	1.46
1	3A	95	THR	N-CA	14.18	1.64	1.46
1	3I	95	THR	N-CA	14.18	1.64	1.46
1	32	95	THR	N-CA	14.18	1.64	1.46
1	4E	95	THR	N-CA	14.18	1.64	1.46
1	4Y	95	THR	N-CA	14.18	1.64	1.46
1	5U	95	THR	N-CA	14.18	1.64	1.46
1	6M	95	THR	N-CA	14.18	1.64	1.46
1	6U	95	THR	N-CA	14.18	1.64	1.46
1	7E	95	THR	N-CA	14.18	1.64	1.46
1	7Q	95	THR	N-CA	14.18	1.64	1.46
2	1R	209	LEU	N-CA	-14.18	1.27	1.46
2	1V	209	LEU	N-CA	-14.18	1.27	1.46
2	1Z	209	LEU	N-CA	-14.18	1.27	1.46
2	2R	209	LEU	N-CA	-14.18	1.27	1.46
2	2V	209	LEU	N-CA	-14.18	1.27	1.46
2	2Z	209	LEU	N-CA	-14.18	1.27	1.46
2	43	209	LEU	N-CA	-14.18	1.27	1.46
2	47	209	LEU	N-CA	-14.18	1.27	1.46
2	5B	209	LEU	N-CA	-14.18	1.27	1.46
2	53	209	LEU	N-CA	-14.18	1.27	1.46
2	57	209	LEU	N-CA	-14.18	1.27	1.46
2	6B	209	LEU	N-CA	-14.18	1.27	1.46
2	1N	209	LEU	N-CA	-14.17	1.27	1.46
2	2J	209	LEU	N-CA	-14.17	1.27	1.46
2	3B	209	LEU	N-CA	-14.17	1.27	1.46
2	3J	209	LEU	N-CA	-14.17	1.27	1.46
2	33	209	LEU	N-CA	-14.17	1.27	1.46
2	4F	209	LEU	N-CA	-14.17	1.27	1.46
2	4Z	209	LEU	N-CA	-14.17	1.27	1.46
2	5V	209	LEU	N-CA	-14.17	1.27	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	209	LEU	N-CA	-14.17	1.27	1.46
2	6V	209	LEU	N-CA	-14.17	1.27	1.46
2	7F	209	LEU	N-CA	-14.17	1.27	1.46
2	7R	209	LEU	N-CA	-14.17	1.27	1.46
2	1B	217	PRO	N-CD	14.16	1.67	1.47
2	1F	9	VAL	N-CA	14.16	1.64	1.46
2	1J	217	PRO	N-CD	14.16	1.67	1.47
2	1N	217	PRO	N-CD	14.16	1.67	1.47
2	2F	217	PRO	N-CD	14.16	1.67	1.47
2	2J	217	PRO	N-CD	14.16	1.67	1.47
2	2N	9	VAL	N-CA	14.16	1.64	1.46
2	23	9	VAL	N-CA	14.16	1.64	1.46
2	27	217	PRO	N-CD	14.16	1.67	1.47
2	3B	217	PRO	N-CD	14.16	1.67	1.47
2	3F	217	PRO	N-CD	14.16	1.67	1.47
2	3J	217	PRO	N-CD	14.16	1.67	1.47
2	3N	9	VAL	N-CA	14.16	1.64	1.46
2	33	217	PRO	N-CD	14.16	1.67	1.47
2	37	9	VAL	N-CA	14.16	1.64	1.46
2	4B	217	PRO	N-CD	14.16	1.67	1.47
2	4F	217	PRO	N-CD	14.16	1.67	1.47
2	4J	9	VAL	N-CA	14.16	1.64	1.46
2	4N	217	PRO	N-CD	14.16	1.67	1.47
2	4R	9	VAL	N-CA	14.16	1.64	1.46
2	4V	217	PRO	N-CD	14.16	1.67	1.47
2	4Z	217	PRO	N-CD	14.16	1.67	1.47
2	5R	217	PRO	N-CD	14.16	1.67	1.47
2	5V	217	PRO	N-CD	14.16	1.67	1.47
2	5Z	9	VAL	N-CA	14.16	1.64	1.46
2	6F	9	VAL	N-CA	14.16	1.64	1.46
2	6J	217	PRO	N-CD	14.16	1.67	1.47
2	6N	217	PRO	N-CD	14.16	1.67	1.47
2	6R	217	PRO	N-CD	14.16	1.67	1.47
2	6V	217	PRO	N-CD	14.16	1.67	1.47
2	6Z	9	VAL	N-CA	14.16	1.64	1.46
2	7F	217	PRO	N-CD	14.16	1.67	1.47
2	7J	9	VAL	N-CA	14.16	1.64	1.46
2	7N	217	PRO	N-CD	14.16	1.67	1.47
2	7R	217	PRO	N-CD	14.16	1.67	1.47
2	7V	9	VAL	N-CA	14.16	1.64	1.46
2	1B	76	ILE	C-N	14.16	1.53	1.33
2	1J	76	ILE	C-N	14.16	1.53	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	76	ILE	C-N	14.16	1.53	1.33
2	27	76	ILE	C-N	14.16	1.53	1.33
2	3F	76	ILE	C-N	14.16	1.53	1.33
2	4B	76	ILE	C-N	14.16	1.53	1.33
2	4N	76	ILE	C-N	14.16	1.53	1.33
2	4V	76	ILE	C-N	14.16	1.53	1.33
2	5R	76	ILE	C-N	14.16	1.53	1.33
2	6J	76	ILE	C-N	14.16	1.53	1.33
2	6R	76	ILE	C-N	14.16	1.53	1.33
2	7N	76	ILE	C-N	14.16	1.53	1.33
2	1F	76	ILE	C-N	14.15	1.53	1.33
2	1R	76	ILE	C-N	14.15	1.53	1.33
2	1V	76	ILE	C-N	14.15	1.53	1.33
2	1Z	76	ILE	C-N	14.15	1.53	1.33
2	2N	76	ILE	C-N	14.15	1.53	1.33
2	2R	76	ILE	C-N	14.15	1.53	1.33
2	2V	76	ILE	C-N	14.15	1.53	1.33
2	2Z	76	ILE	C-N	14.15	1.53	1.33
2	23	76	ILE	C-N	14.15	1.53	1.33
2	3N	76	ILE	C-N	14.15	1.53	1.33
2	37	76	ILE	C-N	14.15	1.53	1.33
2	4J	76	ILE	C-N	14.15	1.53	1.33
2	4R	76	ILE	C-N	14.15	1.53	1.33
2	43	76	ILE	C-N	14.15	1.53	1.33
2	47	76	ILE	C-N	14.15	1.53	1.33
2	5B	76	ILE	C-N	14.15	1.53	1.33
2	5Z	76	ILE	C-N	14.15	1.53	1.33
2	53	76	ILE	C-N	14.15	1.53	1.33
2	57	76	ILE	C-N	14.15	1.53	1.33
2	6B	76	ILE	C-N	14.15	1.53	1.33
2	6F	76	ILE	C-N	14.15	1.53	1.33
2	6Z	76	ILE	C-N	14.15	1.53	1.33
2	7J	76	ILE	C-N	14.15	1.53	1.33
2	7V	76	ILE	C-N	14.15	1.53	1.33
2	1R	217	PRO	N-CD	14.15	1.67	1.47
2	1V	217	PRO	N-CD	14.15	1.67	1.47
2	1Z	217	PRO	N-CD	14.15	1.67	1.47
2	2R	217	PRO	N-CD	14.15	1.67	1.47
2	2V	217	PRO	N-CD	14.15	1.67	1.47
2	2Z	217	PRO	N-CD	14.15	1.67	1.47
2	43	217	PRO	N-CD	14.15	1.67	1.47
2	47	217	PRO	N-CD	14.15	1.67	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	217	PRO	N-CD	14.15	1.67	1.47
2	53	217	PRO	N-CD	14.15	1.67	1.47
2	57	217	PRO	N-CD	14.15	1.67	1.47
2	6B	217	PRO	N-CD	14.15	1.67	1.47
1	1Q	95	THR	N-CA	14.15	1.64	1.46
1	1U	95	THR	N-CA	14.15	1.64	1.46
1	1Y	95	THR	N-CA	14.15	1.64	1.46
1	2Q	95	THR	N-CA	14.15	1.64	1.46
1	2U	95	THR	N-CA	14.15	1.64	1.46
1	2Y	95	THR	N-CA	14.15	1.64	1.46
1	42	95	THR	N-CA	14.15	1.64	1.46
1	46	95	THR	N-CA	14.15	1.64	1.46
1	5A	95	THR	N-CA	14.15	1.64	1.46
1	52	95	THR	N-CA	14.15	1.64	1.46
1	56	95	THR	N-CA	14.15	1.64	1.46
1	6A	95	THR	N-CA	14.15	1.64	1.46
2	13	209	LEU	N-CA	-14.15	1.27	1.46
2	17	209	LEU	N-CA	-14.15	1.27	1.46
2	2B	209	LEU	N-CA	-14.15	1.27	1.46
2	3R	209	LEU	N-CA	-14.15	1.27	1.46
2	3V	209	LEU	N-CA	-14.15	1.27	1.46
2	3Z	209	LEU	N-CA	-14.15	1.27	1.46
2	5F	209	LEU	N-CA	-14.15	1.27	1.46
2	5J	209	LEU	N-CA	-14.15	1.27	1.46
2	5N	209	LEU	N-CA	-14.15	1.27	1.46
2	63	209	LEU	N-CA	-14.15	1.27	1.46
2	67	209	LEU	N-CA	-14.15	1.27	1.46
2	7B	209	LEU	N-CA	-14.15	1.27	1.46
1	12	95	THR	N-CA	14.14	1.64	1.46
1	16	95	THR	N-CA	14.14	1.64	1.46
1	2A	95	THR	N-CA	14.14	1.64	1.46
1	3Q	95	THR	N-CA	14.14	1.64	1.46
1	3U	95	THR	N-CA	14.14	1.64	1.46
1	3Y	95	THR	N-CA	14.14	1.64	1.46
1	5E	95	THR	N-CA	14.14	1.64	1.46
1	5I	95	THR	N-CA	14.14	1.64	1.46
1	5M	95	THR	N-CA	14.14	1.64	1.46
1	62	95	THR	N-CA	14.14	1.64	1.46
1	66	95	THR	N-CA	14.14	1.64	1.46
1	7A	95	THR	N-CA	14.14	1.64	1.46
2	13	217	PRO	N-CD	14.13	1.67	1.47
2	17	217	PRO	N-CD	14.13	1.67	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	217	PRO	N-CD	14.13	1.67	1.47
2	3R	217	PRO	N-CD	14.13	1.67	1.47
2	3V	217	PRO	N-CD	14.13	1.67	1.47
2	3Z	217	PRO	N-CD	14.13	1.67	1.47
2	5F	217	PRO	N-CD	14.13	1.67	1.47
2	5J	217	PRO	N-CD	14.13	1.67	1.47
2	5N	217	PRO	N-CD	14.13	1.67	1.47
2	63	217	PRO	N-CD	14.13	1.67	1.47
2	67	217	PRO	N-CD	14.13	1.67	1.47
2	7B	217	PRO	N-CD	14.13	1.67	1.47
2	1N	9	VAL	N-CA	14.13	1.64	1.46
2	2J	9	VAL	N-CA	14.13	1.64	1.46
2	3B	9	VAL	N-CA	14.13	1.64	1.46
2	3J	9	VAL	N-CA	14.13	1.64	1.46
2	33	9	VAL	N-CA	14.13	1.64	1.46
2	4F	9	VAL	N-CA	14.13	1.64	1.46
2	4Z	9	VAL	N-CA	14.13	1.64	1.46
2	5V	9	VAL	N-CA	14.13	1.64	1.46
2	6N	9	VAL	N-CA	14.13	1.64	1.46
2	6V	9	VAL	N-CA	14.13	1.64	1.46
2	7F	9	VAL	N-CA	14.13	1.64	1.46
2	7R	9	VAL	N-CA	14.13	1.64	1.46
2	1F	217	PRO	N-CD	14.12	1.67	1.47
2	2N	217	PRO	N-CD	14.12	1.67	1.47
2	23	217	PRO	N-CD	14.12	1.67	1.47
2	3N	217	PRO	N-CD	14.12	1.67	1.47
2	37	217	PRO	N-CD	14.12	1.67	1.47
2	4J	217	PRO	N-CD	14.12	1.67	1.47
2	4R	217	PRO	N-CD	14.12	1.67	1.47
2	5Z	217	PRO	N-CD	14.12	1.67	1.47
2	6F	217	PRO	N-CD	14.12	1.67	1.47
2	6Z	217	PRO	N-CD	14.12	1.67	1.47
2	7J	217	PRO	N-CD	14.12	1.67	1.47
2	7V	217	PRO	N-CD	14.12	1.67	1.47
2	13	76	ILE	C-N	14.11	1.53	1.33
2	17	76	ILE	C-N	14.11	1.53	1.33
2	2B	76	ILE	C-N	14.11	1.53	1.33
2	3R	76	ILE	C-N	14.11	1.53	1.33
2	3V	76	ILE	C-N	14.11	1.53	1.33
2	3Z	76	ILE	C-N	14.11	1.53	1.33
2	5F	76	ILE	C-N	14.11	1.53	1.33
2	5J	76	ILE	C-N	14.11	1.53	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	76	ILE	C-N	14.11	1.53	1.33
2	63	76	ILE	C-N	14.11	1.53	1.33
2	67	76	ILE	C-N	14.11	1.53	1.33
2	7B	76	ILE	C-N	14.11	1.53	1.33
2	13	9	VAL	N-CA	14.10	1.64	1.46
2	17	9	VAL	N-CA	14.10	1.64	1.46
2	2B	9	VAL	N-CA	14.10	1.64	1.46
2	3R	9	VAL	N-CA	14.10	1.64	1.46
2	3V	9	VAL	N-CA	14.10	1.64	1.46
2	3Z	9	VAL	N-CA	14.10	1.64	1.46
2	5F	9	VAL	N-CA	14.10	1.64	1.46
2	5J	9	VAL	N-CA	14.10	1.64	1.46
2	5N	9	VAL	N-CA	14.10	1.64	1.46
2	63	9	VAL	N-CA	14.10	1.64	1.46
2	67	9	VAL	N-CA	14.10	1.64	1.46
2	7B	9	VAL	N-CA	14.10	1.64	1.46
2	1B	9	VAL	N-CA	14.10	1.64	1.46
2	1J	9	VAL	N-CA	14.10	1.64	1.46
2	2F	9	VAL	N-CA	14.10	1.64	1.46
2	27	9	VAL	N-CA	14.10	1.64	1.46
2	3F	9	VAL	N-CA	14.10	1.64	1.46
2	4B	9	VAL	N-CA	14.10	1.64	1.46
2	4N	9	VAL	N-CA	14.10	1.64	1.46
2	4V	9	VAL	N-CA	14.10	1.64	1.46
2	5R	9	VAL	N-CA	14.10	1.64	1.46
2	6J	9	VAL	N-CA	14.10	1.64	1.46
2	6R	9	VAL	N-CA	14.10	1.64	1.46
2	7N	9	VAL	N-CA	14.10	1.64	1.46
2	1R	9	VAL	N-CA	14.10	1.64	1.46
2	1V	9	VAL	N-CA	14.10	1.64	1.46
2	1Z	9	VAL	N-CA	14.10	1.64	1.46
2	2R	9	VAL	N-CA	14.10	1.64	1.46
2	2V	9	VAL	N-CA	14.10	1.64	1.46
2	2Z	9	VAL	N-CA	14.10	1.64	1.46
2	43	9	VAL	N-CA	14.10	1.64	1.46
2	47	9	VAL	N-CA	14.10	1.64	1.46
2	5B	9	VAL	N-CA	14.10	1.64	1.46
2	53	9	VAL	N-CA	14.10	1.64	1.46
2	57	9	VAL	N-CA	14.10	1.64	1.46
2	6B	9	VAL	N-CA	14.10	1.64	1.46
2	1B	47	ASP	CA-C	14.04	1.72	1.53
2	1F	47	ASP	CA-C	14.04	1.72	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1J	47	ASP	CA-C	14.04	1.72	1.53
2	2F	47	ASP	CA-C	14.04	1.72	1.53
2	2N	47	ASP	CA-C	14.04	1.72	1.53
2	23	47	ASP	CA-C	14.04	1.72	1.53
2	27	47	ASP	CA-C	14.04	1.72	1.53
2	3F	47	ASP	CA-C	14.04	1.72	1.53
2	3N	47	ASP	CA-C	14.04	1.72	1.53
2	37	47	ASP	CA-C	14.04	1.72	1.53
2	4B	47	ASP	CA-C	14.04	1.72	1.53
2	4J	47	ASP	CA-C	14.04	1.72	1.53
2	4N	47	ASP	CA-C	14.04	1.72	1.53
2	4R	47	ASP	CA-C	14.04	1.72	1.53
2	4V	47	ASP	CA-C	14.04	1.72	1.53
2	5R	47	ASP	CA-C	14.04	1.72	1.53
2	5Z	47	ASP	CA-C	14.04	1.72	1.53
2	6F	47	ASP	CA-C	14.04	1.72	1.53
2	6J	47	ASP	CA-C	14.04	1.72	1.53
2	6R	47	ASP	CA-C	14.04	1.72	1.53
2	6Z	47	ASP	CA-C	14.04	1.72	1.53
2	7J	47	ASP	CA-C	14.04	1.72	1.53
2	7N	47	ASP	CA-C	14.04	1.72	1.53
2	7V	47	ASP	CA-C	14.04	1.72	1.53
2	13	47	ASP	CA-C	14.04	1.72	1.53
2	17	47	ASP	CA-C	14.04	1.72	1.53
2	2B	47	ASP	CA-C	14.04	1.72	1.53
2	3R	47	ASP	CA-C	14.04	1.72	1.53
2	3V	47	ASP	CA-C	14.04	1.72	1.53
2	3Z	47	ASP	CA-C	14.04	1.72	1.53
2	5F	47	ASP	CA-C	14.04	1.72	1.53
2	5J	47	ASP	CA-C	14.04	1.72	1.53
2	5N	47	ASP	CA-C	14.04	1.72	1.53
2	63	47	ASP	CA-C	14.04	1.72	1.53
2	67	47	ASP	CA-C	14.04	1.72	1.53
2	7B	47	ASP	CA-C	14.04	1.72	1.53
1	1E	68	SER	CB-OG	14.04	1.70	1.42
1	2M	68	SER	CB-OG	14.04	1.70	1.42
1	22	68	SER	CB-OG	14.04	1.70	1.42
1	3M	68	SER	CB-OG	14.04	1.70	1.42
1	36	68	SER	CB-OG	14.04	1.70	1.42
1	4I	68	SER	CB-OG	14.04	1.70	1.42
1	4Q	68	SER	CB-OG	14.04	1.70	1.42
1	5Y	68	SER	CB-OG	14.04	1.70	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	68	SER	CB-OG	14.04	1.70	1.42
1	6Y	68	SER	CB-OG	14.04	1.70	1.42
1	7I	68	SER	CB-OG	14.04	1.70	1.42
1	7U	68	SER	CB-OG	14.04	1.70	1.42
2	1N	47	ASP	CA-C	14.02	1.72	1.53
1	1Q	68	SER	CB-OG	14.02	1.70	1.42
2	1R	47	ASP	CA-C	14.02	1.72	1.53
1	1U	68	SER	CB-OG	14.02	1.70	1.42
2	1V	47	ASP	CA-C	14.02	1.72	1.53
1	1Y	68	SER	CB-OG	14.02	1.70	1.42
2	1Z	47	ASP	CA-C	14.02	1.72	1.53
2	2J	47	ASP	CA-C	14.02	1.72	1.53
1	2Q	68	SER	CB-OG	14.02	1.70	1.42
2	2R	47	ASP	CA-C	14.02	1.72	1.53
1	2U	68	SER	CB-OG	14.02	1.70	1.42
2	2V	47	ASP	CA-C	14.02	1.72	1.53
1	2Y	68	SER	CB-OG	14.02	1.70	1.42
2	2Z	47	ASP	CA-C	14.02	1.72	1.53
2	3B	47	ASP	CA-C	14.02	1.72	1.53
2	3J	47	ASP	CA-C	14.02	1.72	1.53
2	33	47	ASP	CA-C	14.02	1.72	1.53
2	4F	47	ASP	CA-C	14.02	1.72	1.53
2	4Z	47	ASP	CA-C	14.02	1.72	1.53
1	42	68	SER	CB-OG	14.02	1.70	1.42
2	43	47	ASP	CA-C	14.02	1.72	1.53
1	46	68	SER	CB-OG	14.02	1.70	1.42
2	47	47	ASP	CA-C	14.02	1.72	1.53
1	5A	68	SER	CB-OG	14.02	1.70	1.42
2	5B	47	ASP	CA-C	14.02	1.72	1.53
2	5V	47	ASP	CA-C	14.02	1.72	1.53
1	52	68	SER	CB-OG	14.02	1.70	1.42
2	53	47	ASP	CA-C	14.02	1.72	1.53
1	56	68	SER	CB-OG	14.02	1.70	1.42
2	57	47	ASP	CA-C	14.02	1.72	1.53
1	6A	68	SER	CB-OG	14.02	1.70	1.42
2	6B	47	ASP	CA-C	14.02	1.72	1.53
2	6N	47	ASP	CA-C	14.02	1.72	1.53
2	6V	47	ASP	CA-C	14.02	1.72	1.53
2	7F	47	ASP	CA-C	14.02	1.72	1.53
2	7R	47	ASP	CA-C	14.02	1.72	1.53
1	1A	68	SER	CB-OG	14.02	1.70	1.42
1	1I	68	SER	CB-OG	14.02	1.70	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1M	68	SER	CB-OG	14.02	1.70	1.42
1	12	68	SER	CB-OG	14.02	1.70	1.42
1	16	68	SER	CB-OG	14.02	1.70	1.42
1	2A	68	SER	CB-OG	14.02	1.70	1.42
1	2E	68	SER	CB-OG	14.02	1.70	1.42
1	2I	68	SER	CB-OG	14.02	1.70	1.42
1	26	68	SER	CB-OG	14.02	1.70	1.42
1	3A	68	SER	CB-OG	14.02	1.70	1.42
1	3E	68	SER	CB-OG	14.02	1.70	1.42
1	3I	68	SER	CB-OG	14.02	1.70	1.42
1	3Q	68	SER	CB-OG	14.02	1.70	1.42
1	3U	68	SER	CB-OG	14.02	1.70	1.42
1	3Y	68	SER	CB-OG	14.02	1.70	1.42
1	32	68	SER	CB-OG	14.02	1.70	1.42
1	4A	68	SER	CB-OG	14.02	1.70	1.42
1	4E	68	SER	CB-OG	14.02	1.70	1.42
1	4M	68	SER	CB-OG	14.02	1.70	1.42
1	4U	68	SER	CB-OG	14.02	1.70	1.42
1	4Y	68	SER	CB-OG	14.02	1.70	1.42
1	5E	68	SER	CB-OG	14.02	1.70	1.42
1	5I	68	SER	CB-OG	14.02	1.70	1.42
1	5M	68	SER	CB-OG	14.02	1.70	1.42
1	5Q	68	SER	CB-OG	14.02	1.70	1.42
1	5U	68	SER	CB-OG	14.02	1.70	1.42
1	6I	68	SER	CB-OG	14.02	1.70	1.42
1	6M	68	SER	CB-OG	14.02	1.70	1.42
1	6Q	68	SER	CB-OG	14.02	1.70	1.42
1	6U	68	SER	CB-OG	14.02	1.70	1.42
1	62	68	SER	CB-OG	14.02	1.70	1.42
1	66	68	SER	CB-OG	14.02	1.70	1.42
1	7A	68	SER	CB-OG	14.02	1.70	1.42
1	7E	68	SER	CB-OG	14.02	1.70	1.42
1	7M	68	SER	CB-OG	14.02	1.70	1.42
1	7Q	68	SER	CB-OG	14.02	1.70	1.42
1	12	155	PRO	CA-CB	14.01	1.73	1.53
1	16	155	PRO	CA-CB	14.01	1.73	1.53
1	2A	155	PRO	CA-CB	14.01	1.73	1.53
1	3Q	155	PRO	CA-CB	14.01	1.73	1.53
1	3U	155	PRO	CA-CB	14.01	1.73	1.53
1	3Y	155	PRO	CA-CB	14.01	1.73	1.53
1	5E	155	PRO	CA-CB	14.01	1.73	1.53
1	5I	155	PRO	CA-CB	14.01	1.73	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	155	PRO	CA-CB	14.01	1.73	1.53
1	62	155	PRO	CA-CB	14.01	1.73	1.53
1	66	155	PRO	CA-CB	14.01	1.73	1.53
1	7A	155	PRO	CA-CB	14.01	1.73	1.53
1	1Q	155	PRO	CA-CB	14.01	1.73	1.53
1	1U	155	PRO	CA-CB	14.01	1.73	1.53
1	1Y	155	PRO	CA-CB	14.01	1.73	1.53
1	2Q	155	PRO	CA-CB	14.01	1.73	1.53
1	2U	155	PRO	CA-CB	14.01	1.73	1.53
1	2Y	155	PRO	CA-CB	14.01	1.73	1.53
1	42	155	PRO	CA-CB	14.01	1.73	1.53
1	46	155	PRO	CA-CB	14.01	1.73	1.53
1	5A	155	PRO	CA-CB	14.01	1.73	1.53
1	52	155	PRO	CA-CB	14.01	1.73	1.53
1	56	155	PRO	CA-CB	14.01	1.73	1.53
1	6A	155	PRO	CA-CB	14.01	1.73	1.53
2	1F	5	ASN	CG-ND2	-14.00	1.03	1.33
1	1M	155	PRO	CA-CB	14.00	1.73	1.53
1	2I	155	PRO	CA-CB	14.00	1.73	1.53
2	2N	5	ASN	CG-ND2	-14.00	1.03	1.33
2	23	5	ASN	CG-ND2	-14.00	1.03	1.33
1	3A	155	PRO	CA-CB	14.00	1.73	1.53
1	3I	155	PRO	CA-CB	14.00	1.73	1.53
2	3N	5	ASN	CG-ND2	-14.00	1.03	1.33
1	32	155	PRO	CA-CB	14.00	1.73	1.53
2	37	5	ASN	CG-ND2	-14.00	1.03	1.33
1	4E	155	PRO	CA-CB	14.00	1.73	1.53
2	4J	5	ASN	CG-ND2	-14.00	1.03	1.33
2	4R	5	ASN	CG-ND2	-14.00	1.03	1.33
1	4Y	155	PRO	CA-CB	14.00	1.73	1.53
1	5U	155	PRO	CA-CB	14.00	1.73	1.53
2	5Z	5	ASN	CG-ND2	-14.00	1.03	1.33
2	6F	5	ASN	CG-ND2	-14.00	1.03	1.33
1	6M	155	PRO	CA-CB	14.00	1.73	1.53
1	6U	155	PRO	CA-CB	14.00	1.73	1.53
2	6Z	5	ASN	CG-ND2	-14.00	1.03	1.33
1	7E	155	PRO	CA-CB	14.00	1.73	1.53
2	7J	5	ASN	CG-ND2	-14.00	1.03	1.33
1	7Q	155	PRO	CA-CB	14.00	1.73	1.53
2	7V	5	ASN	CG-ND2	-14.00	1.03	1.33
1	1E	155	PRO	CA-CB	13.99	1.73	1.53
1	2M	155	PRO	CA-CB	13.99	1.73	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	155	PRO	CA-CB	13.99	1.73	1.53
1	3M	155	PRO	CA-CB	13.99	1.73	1.53
1	36	155	PRO	CA-CB	13.99	1.73	1.53
1	4I	155	PRO	CA-CB	13.99	1.73	1.53
1	4Q	155	PRO	CA-CB	13.99	1.73	1.53
1	5Y	155	PRO	CA-CB	13.99	1.73	1.53
1	6E	155	PRO	CA-CB	13.99	1.73	1.53
1	6Y	155	PRO	CA-CB	13.99	1.73	1.53
1	7I	155	PRO	CA-CB	13.99	1.73	1.53
1	7U	155	PRO	CA-CB	13.99	1.73	1.53
1	1A	155	PRO	CA-CB	13.98	1.73	1.53
1	1I	155	PRO	CA-CB	13.98	1.73	1.53
1	2E	155	PRO	CA-CB	13.98	1.73	1.53
1	26	155	PRO	CA-CB	13.98	1.73	1.53
1	3E	155	PRO	CA-CB	13.98	1.73	1.53
1	4A	155	PRO	CA-CB	13.98	1.73	1.53
1	4M	155	PRO	CA-CB	13.98	1.73	1.53
1	4U	155	PRO	CA-CB	13.98	1.73	1.53
1	5Q	155	PRO	CA-CB	13.98	1.73	1.53
1	6I	155	PRO	CA-CB	13.98	1.73	1.53
1	6Q	155	PRO	CA-CB	13.98	1.73	1.53
1	7M	155	PRO	CA-CB	13.98	1.73	1.53
2	1B	5	ASN	CG-ND2	-13.98	1.03	1.33
2	1J	5	ASN	CG-ND2	-13.98	1.03	1.33
2	2F	5	ASN	CG-ND2	-13.98	1.03	1.33
2	27	5	ASN	CG-ND2	-13.98	1.03	1.33
2	3F	5	ASN	CG-ND2	-13.98	1.03	1.33
2	4B	5	ASN	CG-ND2	-13.98	1.03	1.33
2	4N	5	ASN	CG-ND2	-13.98	1.03	1.33
2	4V	5	ASN	CG-ND2	-13.98	1.03	1.33
2	5R	5	ASN	CG-ND2	-13.98	1.03	1.33
2	6J	5	ASN	CG-ND2	-13.98	1.03	1.33
2	6R	5	ASN	CG-ND2	-13.98	1.03	1.33
2	7N	5	ASN	CG-ND2	-13.98	1.03	1.33
2	1B	60	ARG	CA-C	13.97	1.71	1.52
2	1J	60	ARG	CA-C	13.97	1.71	1.52
2	2F	60	ARG	CA-C	13.97	1.71	1.52
2	27	60	ARG	CA-C	13.97	1.71	1.52
2	3F	60	ARG	CA-C	13.97	1.71	1.52
2	4B	60	ARG	CA-C	13.97	1.71	1.52
2	4N	60	ARG	CA-C	13.97	1.71	1.52
2	4V	60	ARG	CA-C	13.97	1.71	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	60	ARG	CA-C	13.97	1.71	1.52
2	6J	60	ARG	CA-C	13.97	1.71	1.52
2	6R	60	ARG	CA-C	13.97	1.71	1.52
2	7N	60	ARG	CA-C	13.97	1.71	1.52
2	1N	5	ASN	CG-ND2	-13.97	1.03	1.33
2	2J	5	ASN	CG-ND2	-13.97	1.03	1.33
2	3B	5	ASN	CG-ND2	-13.97	1.03	1.33
2	3J	5	ASN	CG-ND2	-13.97	1.03	1.33
2	33	5	ASN	CG-ND2	-13.97	1.03	1.33
2	4F	5	ASN	CG-ND2	-13.97	1.03	1.33
2	4Z	5	ASN	CG-ND2	-13.97	1.03	1.33
2	5V	5	ASN	CG-ND2	-13.97	1.03	1.33
2	6N	5	ASN	CG-ND2	-13.97	1.03	1.33
2	6V	5	ASN	CG-ND2	-13.97	1.03	1.33
2	7F	5	ASN	CG-ND2	-13.97	1.03	1.33
2	7R	5	ASN	CG-ND2	-13.97	1.03	1.33
2	1F	60	ARG	CA-C	13.96	1.71	1.52
2	2N	60	ARG	CA-C	13.96	1.71	1.52
2	23	60	ARG	CA-C	13.96	1.71	1.52
2	3N	60	ARG	CA-C	13.96	1.71	1.52
2	37	60	ARG	CA-C	13.96	1.71	1.52
2	4J	60	ARG	CA-C	13.96	1.71	1.52
2	4R	60	ARG	CA-C	13.96	1.71	1.52
2	5Z	60	ARG	CA-C	13.96	1.71	1.52
2	6F	60	ARG	CA-C	13.96	1.71	1.52
2	6Z	60	ARG	CA-C	13.96	1.71	1.52
2	7J	60	ARG	CA-C	13.96	1.71	1.52
2	7V	60	ARG	CA-C	13.96	1.71	1.52
2	1N	60	ARG	CA-C	13.96	1.71	1.52
2	1R	5	ASN	CG-ND2	-13.96	1.03	1.33
2	1V	5	ASN	CG-ND2	-13.96	1.03	1.33
2	1Z	5	ASN	CG-ND2	-13.96	1.03	1.33
2	2J	60	ARG	CA-C	13.96	1.71	1.52
2	2R	5	ASN	CG-ND2	-13.96	1.03	1.33
2	2V	5	ASN	CG-ND2	-13.96	1.03	1.33
2	2Z	5	ASN	CG-ND2	-13.96	1.03	1.33
2	3B	60	ARG	CA-C	13.96	1.71	1.52
2	3J	60	ARG	CA-C	13.96	1.71	1.52
2	33	60	ARG	CA-C	13.96	1.71	1.52
2	4F	60	ARG	CA-C	13.96	1.71	1.52
2	4Z	60	ARG	CA-C	13.96	1.71	1.52
2	43	5	ASN	CG-ND2	-13.96	1.03	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	5	ASN	CG-ND2	-13.96	1.03	1.33
2	5B	5	ASN	CG-ND2	-13.96	1.03	1.33
2	5V	60	ARG	CA-C	13.96	1.71	1.52
2	53	5	ASN	CG-ND2	-13.96	1.03	1.33
2	57	5	ASN	CG-ND2	-13.96	1.03	1.33
2	6B	5	ASN	CG-ND2	-13.96	1.03	1.33
2	6N	60	ARG	CA-C	13.96	1.71	1.52
2	6V	60	ARG	CA-C	13.96	1.71	1.52
2	7F	60	ARG	CA-C	13.96	1.71	1.52
2	7R	60	ARG	CA-C	13.96	1.71	1.52
2	1R	60	ARG	CA-C	13.96	1.71	1.52
2	1V	60	ARG	CA-C	13.96	1.71	1.52
2	1Z	60	ARG	CA-C	13.96	1.71	1.52
2	13	60	ARG	CA-C	13.96	1.71	1.52
2	17	60	ARG	CA-C	13.96	1.71	1.52
2	2B	60	ARG	CA-C	13.96	1.71	1.52
2	2R	60	ARG	CA-C	13.96	1.71	1.52
2	2V	60	ARG	CA-C	13.96	1.71	1.52
2	2Z	60	ARG	CA-C	13.96	1.71	1.52
2	3R	60	ARG	CA-C	13.96	1.71	1.52
2	3V	60	ARG	CA-C	13.96	1.71	1.52
2	3Z	60	ARG	CA-C	13.96	1.71	1.52
2	43	60	ARG	CA-C	13.96	1.71	1.52
2	47	60	ARG	CA-C	13.96	1.71	1.52
2	5B	60	ARG	CA-C	13.96	1.71	1.52
2	5F	60	ARG	CA-C	13.96	1.71	1.52
2	5J	60	ARG	CA-C	13.96	1.71	1.52
2	5N	60	ARG	CA-C	13.96	1.71	1.52
2	53	60	ARG	CA-C	13.96	1.71	1.52
2	57	60	ARG	CA-C	13.96	1.71	1.52
2	6B	60	ARG	CA-C	13.96	1.71	1.52
2	63	60	ARG	CA-C	13.96	1.71	1.52
2	67	60	ARG	CA-C	13.96	1.71	1.52
2	7B	60	ARG	CA-C	13.96	1.71	1.52
2	1F	72	ARG	CZ-NH2	-13.95	1.15	1.33
2	37	72	ARG	CZ-NH2	-13.95	1.15	1.33
2	1B	35	PHE	CG-CD2	13.95	1.68	1.38
2	1J	35	PHE	CG-CD2	13.95	1.68	1.38
2	13	5	ASN	CG-ND2	-13.95	1.03	1.33
2	17	5	ASN	CG-ND2	-13.95	1.03	1.33
2	2B	5	ASN	CG-ND2	-13.95	1.03	1.33
2	2N	72	ARG	CZ-NH2	-13.95	1.15	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	72	ARG	CZ-NH2	-13.95	1.15	1.33
2	3N	72	ARG	CZ-NH2	-13.95	1.15	1.33
2	7V	72	ARG	CZ-NH2	-13.95	1.15	1.33
2	2F	35	PHE	CG-CD2	13.95	1.68	1.38
2	27	35	PHE	CG-CD2	13.95	1.68	1.38
2	3F	35	PHE	CG-CD2	13.95	1.68	1.38
2	3R	5	ASN	CG-ND2	-13.95	1.03	1.33
2	3V	5	ASN	CG-ND2	-13.95	1.03	1.33
2	3Z	5	ASN	CG-ND2	-13.95	1.03	1.33
2	4J	72	ARG	CZ-NH2	-13.95	1.15	1.33
2	4R	72	ARG	CZ-NH2	-13.95	1.15	1.33
2	4B	35	PHE	CG-CD2	13.95	1.68	1.38
2	4N	35	PHE	CG-CD2	13.95	1.68	1.38
2	4V	35	PHE	CG-CD2	13.95	1.68	1.38
2	5F	5	ASN	CG-ND2	-13.95	1.03	1.33
2	5J	5	ASN	CG-ND2	-13.95	1.03	1.33
2	5N	5	ASN	CG-ND2	-13.95	1.03	1.33
2	5Z	72	ARG	CZ-NH2	-13.95	1.15	1.33
2	6F	72	ARG	CZ-NH2	-13.95	1.15	1.33
2	6Z	72	ARG	CZ-NH2	-13.95	1.15	1.33
2	5R	35	PHE	CG-CD2	13.95	1.68	1.38
2	6J	35	PHE	CG-CD2	13.95	1.68	1.38
2	6R	35	PHE	CG-CD2	13.95	1.68	1.38
2	63	5	ASN	CG-ND2	-13.95	1.03	1.33
2	67	5	ASN	CG-ND2	-13.95	1.03	1.33
2	7B	5	ASN	CG-ND2	-13.95	1.03	1.33
2	7J	72	ARG	CZ-NH2	-13.95	1.15	1.33
2	7N	35	PHE	CG-CD2	13.95	1.68	1.38
2	1B	37	ASN	N-CA	13.95	1.64	1.46
2	1J	37	ASN	N-CA	13.95	1.64	1.46
2	1R	37	ASN	N-CA	13.95	1.64	1.46
2	1V	37	ASN	N-CA	13.95	1.64	1.46
2	1Z	37	ASN	N-CA	13.95	1.64	1.46
2	2F	37	ASN	N-CA	13.95	1.64	1.46
2	2R	37	ASN	N-CA	13.95	1.64	1.46
2	2V	37	ASN	N-CA	13.95	1.64	1.46
2	2Z	37	ASN	N-CA	13.95	1.64	1.46
2	27	37	ASN	N-CA	13.95	1.64	1.46
2	3F	37	ASN	N-CA	13.95	1.64	1.46
2	4B	37	ASN	N-CA	13.95	1.64	1.46
2	4N	37	ASN	N-CA	13.95	1.64	1.46
2	4V	37	ASN	N-CA	13.95	1.64	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	43	37	ASN	N-CA	13.95	1.64	1.46
2	47	37	ASN	N-CA	13.95	1.64	1.46
2	5B	37	ASN	N-CA	13.95	1.64	1.46
2	5R	37	ASN	N-CA	13.95	1.64	1.46
2	53	37	ASN	N-CA	13.95	1.64	1.46
2	57	37	ASN	N-CA	13.95	1.64	1.46
2	6B	37	ASN	N-CA	13.95	1.64	1.46
2	6J	37	ASN	N-CA	13.95	1.64	1.46
2	6R	37	ASN	N-CA	13.95	1.64	1.46
2	7N	37	ASN	N-CA	13.95	1.64	1.46
2	13	37	ASN	N-CA	13.94	1.64	1.46
2	17	37	ASN	N-CA	13.94	1.64	1.46
2	2B	37	ASN	N-CA	13.94	1.64	1.46
2	3R	37	ASN	N-CA	13.94	1.64	1.46
2	3V	37	ASN	N-CA	13.94	1.64	1.46
2	3Z	37	ASN	N-CA	13.94	1.64	1.46
2	5F	37	ASN	N-CA	13.94	1.64	1.46
2	5J	37	ASN	N-CA	13.94	1.64	1.46
2	5N	37	ASN	N-CA	13.94	1.64	1.46
2	63	37	ASN	N-CA	13.94	1.64	1.46
2	67	37	ASN	N-CA	13.94	1.64	1.46
2	7B	37	ASN	N-CA	13.94	1.64	1.46
1	12	182	PHE	C-O	-13.94	1.04	1.23
1	16	182	PHE	C-O	-13.94	1.04	1.23
1	2A	182	PHE	C-O	-13.94	1.04	1.23
1	3Q	182	PHE	C-O	-13.94	1.04	1.23
1	3U	182	PHE	C-O	-13.94	1.04	1.23
1	3Y	182	PHE	C-O	-13.94	1.04	1.23
1	5E	182	PHE	C-O	-13.94	1.04	1.23
1	5I	182	PHE	C-O	-13.94	1.04	1.23
1	5M	182	PHE	C-O	-13.94	1.04	1.23
1	62	182	PHE	C-O	-13.94	1.04	1.23
1	66	182	PHE	C-O	-13.94	1.04	1.23
1	7A	182	PHE	C-O	-13.94	1.04	1.23
2	1R	72	ARG	CZ-NH2	-13.93	1.15	1.33
2	1V	72	ARG	CZ-NH2	-13.93	1.15	1.33
2	1Z	72	ARG	CZ-NH2	-13.93	1.15	1.33
2	2R	72	ARG	CZ-NH2	-13.93	1.15	1.33
2	2V	72	ARG	CZ-NH2	-13.93	1.15	1.33
2	2Z	72	ARG	CZ-NH2	-13.93	1.15	1.33
2	43	72	ARG	CZ-NH2	-13.93	1.15	1.33
2	47	72	ARG	CZ-NH2	-13.93	1.15	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	72	ARG	CZ-NH2	-13.93	1.15	1.33
2	53	72	ARG	CZ-NH2	-13.93	1.15	1.33
2	57	72	ARG	CZ-NH2	-13.93	1.15	1.33
2	6B	72	ARG	CZ-NH2	-13.93	1.15	1.33
2	1F	35	PHE	CG-CD2	13.93	1.68	1.38
2	1N	37	ASN	N-CA	13.93	1.64	1.46
2	2J	37	ASN	N-CA	13.93	1.64	1.46
2	2N	35	PHE	CG-CD2	13.93	1.68	1.38
2	23	35	PHE	CG-CD2	13.93	1.68	1.38
2	3B	37	ASN	N-CA	13.93	1.64	1.46
2	3J	37	ASN	N-CA	13.93	1.64	1.46
2	3N	35	PHE	CG-CD2	13.93	1.68	1.38
2	33	37	ASN	N-CA	13.93	1.64	1.46
2	37	35	PHE	CG-CD2	13.93	1.68	1.38
2	4F	37	ASN	N-CA	13.93	1.64	1.46
2	4J	35	PHE	CG-CD2	13.93	1.68	1.38
2	4R	35	PHE	CG-CD2	13.93	1.68	1.38
2	4Z	37	ASN	N-CA	13.93	1.64	1.46
2	5V	37	ASN	N-CA	13.93	1.64	1.46
2	5Z	35	PHE	CG-CD2	13.93	1.68	1.38
2	6F	35	PHE	CG-CD2	13.93	1.68	1.38
2	6N	37	ASN	N-CA	13.93	1.64	1.46
2	6V	37	ASN	N-CA	13.93	1.64	1.46
2	6Z	35	PHE	CG-CD2	13.93	1.68	1.38
2	7F	37	ASN	N-CA	13.93	1.64	1.46
2	7J	35	PHE	CG-CD2	13.93	1.68	1.38
2	7R	37	ASN	N-CA	13.93	1.64	1.46
2	7V	35	PHE	CG-CD2	13.93	1.68	1.38
2	1R	35	PHE	CG-CD2	13.93	1.68	1.38
2	1V	35	PHE	CG-CD2	13.93	1.68	1.38
2	1Z	35	PHE	CG-CD2	13.93	1.68	1.38
2	2R	35	PHE	CG-CD2	13.93	1.68	1.38
2	2V	35	PHE	CG-CD2	13.93	1.68	1.38
2	2Z	35	PHE	CG-CD2	13.93	1.68	1.38
2	43	35	PHE	CG-CD2	13.93	1.68	1.38
2	47	35	PHE	CG-CD2	13.93	1.68	1.38
2	5B	35	PHE	CG-CD2	13.93	1.68	1.38
2	53	35	PHE	CG-CD2	13.93	1.68	1.38
2	57	35	PHE	CG-CD2	13.93	1.68	1.38
2	6B	35	PHE	CG-CD2	13.93	1.68	1.38
2	13	72	ARG	CZ-NH2	-13.91	1.15	1.33
2	17	72	ARG	CZ-NH2	-13.91	1.15	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	72	ARG	CZ-NH2	-13.91	1.15	1.33
2	3R	72	ARG	CZ-NH2	-13.91	1.15	1.33
2	3V	72	ARG	CZ-NH2	-13.91	1.15	1.33
2	3Z	72	ARG	CZ-NH2	-13.91	1.15	1.33
2	5F	72	ARG	CZ-NH2	-13.91	1.15	1.33
2	5J	72	ARG	CZ-NH2	-13.91	1.15	1.33
2	5N	72	ARG	CZ-NH2	-13.91	1.15	1.33
2	63	72	ARG	CZ-NH2	-13.91	1.15	1.33
2	67	72	ARG	CZ-NH2	-13.91	1.15	1.33
2	7B	72	ARG	CZ-NH2	-13.91	1.15	1.33
2	1F	37	ASN	N-CA	13.90	1.64	1.46
2	2N	37	ASN	N-CA	13.90	1.64	1.46
2	23	37	ASN	N-CA	13.90	1.64	1.46
2	3N	37	ASN	N-CA	13.90	1.64	1.46
2	37	37	ASN	N-CA	13.90	1.64	1.46
2	4J	37	ASN	N-CA	13.90	1.64	1.46
2	4R	37	ASN	N-CA	13.90	1.64	1.46
2	5Z	37	ASN	N-CA	13.90	1.64	1.46
2	6F	37	ASN	N-CA	13.90	1.64	1.46
2	6Z	37	ASN	N-CA	13.90	1.64	1.46
2	7J	37	ASN	N-CA	13.90	1.64	1.46
2	7V	37	ASN	N-CA	13.90	1.64	1.46
1	1A	182	PHE	C-O	-13.90	1.05	1.23
2	1B	72	ARG	CZ-NH2	-13.90	1.15	1.33
1	1I	182	PHE	C-O	-13.90	1.05	1.23
2	1J	72	ARG	CZ-NH2	-13.90	1.15	1.33
2	1N	35	PHE	CG-CD2	13.90	1.68	1.38
2	13	35	PHE	CG-CD2	13.90	1.68	1.38
2	17	35	PHE	CG-CD2	13.90	1.68	1.38
2	2B	35	PHE	CG-CD2	13.90	1.68	1.38
1	2E	182	PHE	C-O	-13.90	1.05	1.23
2	2F	72	ARG	CZ-NH2	-13.90	1.15	1.33
2	2J	35	PHE	CG-CD2	13.90	1.68	1.38
1	26	182	PHE	C-O	-13.90	1.05	1.23
2	27	72	ARG	CZ-NH2	-13.90	1.15	1.33
2	3B	35	PHE	CG-CD2	13.90	1.68	1.38
1	3E	182	PHE	C-O	-13.90	1.05	1.23
2	3F	72	ARG	CZ-NH2	-13.90	1.15	1.33
2	3J	35	PHE	CG-CD2	13.90	1.68	1.38
2	3R	35	PHE	CG-CD2	13.90	1.68	1.38
2	3V	35	PHE	CG-CD2	13.90	1.68	1.38
2	3Z	35	PHE	CG-CD2	13.90	1.68	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	33	35	PHE	CG-CD2	13.90	1.68	1.38
1	4A	182	PHE	C-O	-13.90	1.05	1.23
2	4B	72	ARG	CZ-NH2	-13.90	1.15	1.33
2	4F	35	PHE	CG-CD2	13.90	1.68	1.38
1	4M	182	PHE	C-O	-13.90	1.05	1.23
2	4N	72	ARG	CZ-NH2	-13.90	1.15	1.33
1	4U	182	PHE	C-O	-13.90	1.05	1.23
2	4V	72	ARG	CZ-NH2	-13.90	1.15	1.33
2	4Z	35	PHE	CG-CD2	13.90	1.68	1.38
2	5F	35	PHE	CG-CD2	13.90	1.68	1.38
2	5J	35	PHE	CG-CD2	13.90	1.68	1.38
2	5N	35	PHE	CG-CD2	13.90	1.68	1.38
1	5Q	182	PHE	C-O	-13.90	1.05	1.23
2	5R	72	ARG	CZ-NH2	-13.90	1.15	1.33
2	5V	35	PHE	CG-CD2	13.90	1.68	1.38
1	6I	182	PHE	C-O	-13.90	1.05	1.23
2	6J	72	ARG	CZ-NH2	-13.90	1.15	1.33
2	6N	35	PHE	CG-CD2	13.90	1.68	1.38
1	6Q	182	PHE	C-O	-13.90	1.05	1.23
2	6R	72	ARG	CZ-NH2	-13.90	1.15	1.33
2	6V	35	PHE	CG-CD2	13.90	1.68	1.38
2	63	35	PHE	CG-CD2	13.90	1.68	1.38
2	67	35	PHE	CG-CD2	13.90	1.68	1.38
2	7B	35	PHE	CG-CD2	13.90	1.68	1.38
2	7F	35	PHE	CG-CD2	13.90	1.68	1.38
1	7M	182	PHE	C-O	-13.90	1.05	1.23
2	7N	72	ARG	CZ-NH2	-13.90	1.15	1.33
2	7R	35	PHE	CG-CD2	13.90	1.68	1.38
2	1N	68	PRO	CG-CD	13.89	1.98	1.50
2	2J	68	PRO	CG-CD	13.89	1.98	1.50
2	3B	68	PRO	CG-CD	13.89	1.98	1.50
2	3J	68	PRO	CG-CD	13.89	1.98	1.50
2	33	68	PRO	CG-CD	13.89	1.98	1.50
2	4F	68	PRO	CG-CD	13.89	1.98	1.50
2	4Z	68	PRO	CG-CD	13.89	1.98	1.50
2	5V	68	PRO	CG-CD	13.89	1.98	1.50
2	6N	68	PRO	CG-CD	13.89	1.98	1.50
2	6V	68	PRO	CG-CD	13.89	1.98	1.50
2	7F	68	PRO	CG-CD	13.89	1.98	1.50
2	7R	68	PRO	CG-CD	13.89	1.98	1.50
2	1F	68	PRO	CG-CD	13.89	1.98	1.50
2	13	68	PRO	CG-CD	13.89	1.98	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	17	68	PRO	CG-CD	13.89	1.98	1.50
2	2B	68	PRO	CG-CD	13.89	1.98	1.50
2	2N	68	PRO	CG-CD	13.89	1.98	1.50
2	23	68	PRO	CG-CD	13.89	1.98	1.50
2	3N	68	PRO	CG-CD	13.89	1.98	1.50
2	3R	68	PRO	CG-CD	13.89	1.98	1.50
2	3V	68	PRO	CG-CD	13.89	1.98	1.50
2	3Z	68	PRO	CG-CD	13.89	1.98	1.50
2	37	68	PRO	CG-CD	13.89	1.98	1.50
2	4J	68	PRO	CG-CD	13.89	1.98	1.50
2	4R	68	PRO	CG-CD	13.89	1.98	1.50
2	5F	68	PRO	CG-CD	13.89	1.98	1.50
2	5J	68	PRO	CG-CD	13.89	1.98	1.50
2	5N	68	PRO	CG-CD	13.89	1.98	1.50
2	5Z	68	PRO	CG-CD	13.89	1.98	1.50
2	6F	68	PRO	CG-CD	13.89	1.98	1.50
2	6Z	68	PRO	CG-CD	13.89	1.98	1.50
2	63	68	PRO	CG-CD	13.89	1.98	1.50
2	67	68	PRO	CG-CD	13.89	1.98	1.50
2	7B	68	PRO	CG-CD	13.89	1.98	1.50
2	7J	68	PRO	CG-CD	13.89	1.98	1.50
2	7V	68	PRO	CG-CD	13.89	1.98	1.50
2	1R	68	PRO	CG-CD	13.89	1.98	1.50
2	1V	68	PRO	CG-CD	13.89	1.98	1.50
2	1Z	68	PRO	CG-CD	13.89	1.98	1.50
2	2R	68	PRO	CG-CD	13.89	1.98	1.50
2	2V	68	PRO	CG-CD	13.89	1.98	1.50
2	2Z	68	PRO	CG-CD	13.89	1.98	1.50
2	43	68	PRO	CG-CD	13.89	1.98	1.50
2	47	68	PRO	CG-CD	13.89	1.98	1.50
2	5B	68	PRO	CG-CD	13.89	1.98	1.50
2	53	68	PRO	CG-CD	13.89	1.98	1.50
2	57	68	PRO	CG-CD	13.89	1.98	1.50
2	6B	68	PRO	CG-CD	13.89	1.98	1.50
2	1B	68	PRO	CG-CD	13.88	1.98	1.50
2	1F	38	VAL	N-CA	13.88	1.63	1.46
2	1J	68	PRO	CG-CD	13.88	1.98	1.50
2	2F	68	PRO	CG-CD	13.88	1.98	1.50
2	2N	38	VAL	N-CA	13.88	1.63	1.46
2	23	38	VAL	N-CA	13.88	1.63	1.46
2	27	68	PRO	CG-CD	13.88	1.98	1.50
2	3F	68	PRO	CG-CD	13.88	1.98	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3N	38	VAL	N-CA	13.88	1.63	1.46
2	37	38	VAL	N-CA	13.88	1.63	1.46
2	4B	68	PRO	CG-CD	13.88	1.98	1.50
2	4J	38	VAL	N-CA	13.88	1.63	1.46
2	4N	68	PRO	CG-CD	13.88	1.98	1.50
2	4R	38	VAL	N-CA	13.88	1.63	1.46
2	4V	68	PRO	CG-CD	13.88	1.98	1.50
2	5R	68	PRO	CG-CD	13.88	1.98	1.50
2	5Z	38	VAL	N-CA	13.88	1.63	1.46
2	6F	38	VAL	N-CA	13.88	1.63	1.46
2	6J	68	PRO	CG-CD	13.88	1.98	1.50
2	6R	68	PRO	CG-CD	13.88	1.98	1.50
2	6Z	38	VAL	N-CA	13.88	1.63	1.46
2	7J	38	VAL	N-CA	13.88	1.63	1.46
2	7N	68	PRO	CG-CD	13.88	1.98	1.50
2	7V	38	VAL	N-CA	13.88	1.63	1.46
1	1Q	182	PHE	C-O	-13.88	1.05	1.23
1	1U	182	PHE	C-O	-13.88	1.05	1.23
1	1Y	182	PHE	C-O	-13.88	1.05	1.23
1	2Q	182	PHE	C-O	-13.88	1.05	1.23
1	2U	182	PHE	C-O	-13.88	1.05	1.23
1	2Y	182	PHE	C-O	-13.88	1.05	1.23
1	42	182	PHE	C-O	-13.88	1.05	1.23
1	46	182	PHE	C-O	-13.88	1.05	1.23
1	5A	182	PHE	C-O	-13.88	1.05	1.23
1	52	182	PHE	C-O	-13.88	1.05	1.23
1	56	182	PHE	C-O	-13.88	1.05	1.23
1	6A	182	PHE	C-O	-13.88	1.05	1.23
1	1M	182	PHE	C-O	-13.88	1.05	1.23
1	2I	182	PHE	C-O	-13.88	1.05	1.23
1	3A	182	PHE	C-O	-13.88	1.05	1.23
1	3I	182	PHE	C-O	-13.88	1.05	1.23
1	32	182	PHE	C-O	-13.88	1.05	1.23
1	4E	182	PHE	C-O	-13.88	1.05	1.23
1	4Y	182	PHE	C-O	-13.88	1.05	1.23
1	5U	182	PHE	C-O	-13.88	1.05	1.23
1	6M	182	PHE	C-O	-13.88	1.05	1.23
1	6U	182	PHE	C-O	-13.88	1.05	1.23
1	7E	182	PHE	C-O	-13.88	1.05	1.23
1	7Q	182	PHE	C-O	-13.88	1.05	1.23
2	1R	38	VAL	N-CA	13.87	1.63	1.46
2	1V	38	VAL	N-CA	13.87	1.63	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	38	VAL	N-CA	13.87	1.63	1.46
2	2R	38	VAL	N-CA	13.87	1.63	1.46
2	2V	38	VAL	N-CA	13.87	1.63	1.46
2	2Z	38	VAL	N-CA	13.87	1.63	1.46
2	43	38	VAL	N-CA	13.87	1.63	1.46
2	47	38	VAL	N-CA	13.87	1.63	1.46
2	5B	38	VAL	N-CA	13.87	1.63	1.46
2	53	38	VAL	N-CA	13.87	1.63	1.46
2	57	38	VAL	N-CA	13.87	1.63	1.46
2	6B	38	VAL	N-CA	13.87	1.63	1.46
1	1E	182	PHE	C-O	-13.86	1.05	1.23
1	2M	182	PHE	C-O	-13.86	1.05	1.23
1	22	182	PHE	C-O	-13.86	1.05	1.23
1	3M	182	PHE	C-O	-13.86	1.05	1.23
1	36	182	PHE	C-O	-13.86	1.05	1.23
1	4I	182	PHE	C-O	-13.86	1.05	1.23
1	4Q	182	PHE	C-O	-13.86	1.05	1.23
1	5Y	182	PHE	C-O	-13.86	1.05	1.23
1	6E	182	PHE	C-O	-13.86	1.05	1.23
1	6Y	182	PHE	C-O	-13.86	1.05	1.23
1	7I	182	PHE	C-O	-13.86	1.05	1.23
1	7U	182	PHE	C-O	-13.86	1.05	1.23
2	1N	72	ARG	CZ-NH2	-13.86	1.15	1.33
2	2J	72	ARG	CZ-NH2	-13.86	1.15	1.33
2	3B	72	ARG	CZ-NH2	-13.86	1.15	1.33
2	3J	72	ARG	CZ-NH2	-13.86	1.15	1.33
2	33	72	ARG	CZ-NH2	-13.86	1.15	1.33
2	4F	72	ARG	CZ-NH2	-13.86	1.15	1.33
2	4Z	72	ARG	CZ-NH2	-13.86	1.15	1.33
2	5V	72	ARG	CZ-NH2	-13.86	1.15	1.33
2	6N	72	ARG	CZ-NH2	-13.86	1.15	1.33
2	6V	72	ARG	CZ-NH2	-13.86	1.15	1.33
2	7F	72	ARG	CZ-NH2	-13.86	1.15	1.33
2	7R	72	ARG	CZ-NH2	-13.86	1.15	1.33
2	1B	38	VAL	N-CA	13.86	1.63	1.46
2	1J	38	VAL	N-CA	13.86	1.63	1.46
2	2F	38	VAL	N-CA	13.86	1.63	1.46
2	27	38	VAL	N-CA	13.86	1.63	1.46
2	3F	38	VAL	N-CA	13.86	1.63	1.46
2	4B	38	VAL	N-CA	13.86	1.63	1.46
2	4N	38	VAL	N-CA	13.86	1.63	1.46
2	4V	38	VAL	N-CA	13.86	1.63	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	38	VAL	N-CA	13.86	1.63	1.46
2	6J	38	VAL	N-CA	13.86	1.63	1.46
2	6R	38	VAL	N-CA	13.86	1.63	1.46
2	7N	38	VAL	N-CA	13.86	1.63	1.46
2	13	38	VAL	N-CA	13.85	1.63	1.46
2	17	38	VAL	N-CA	13.85	1.63	1.46
2	2B	38	VAL	N-CA	13.85	1.63	1.46
2	3R	38	VAL	N-CA	13.85	1.63	1.46
2	3V	38	VAL	N-CA	13.85	1.63	1.46
2	3Z	38	VAL	N-CA	13.85	1.63	1.46
2	5F	38	VAL	N-CA	13.85	1.63	1.46
2	5J	38	VAL	N-CA	13.85	1.63	1.46
2	5N	38	VAL	N-CA	13.85	1.63	1.46
2	63	38	VAL	N-CA	13.85	1.63	1.46
2	67	38	VAL	N-CA	13.85	1.63	1.46
2	7B	38	VAL	N-CA	13.85	1.63	1.46
2	1B	5	ASN	CA-CB	13.84	1.75	1.53
2	1J	5	ASN	CA-CB	13.84	1.75	1.53
2	2F	5	ASN	CA-CB	13.84	1.75	1.53
2	27	5	ASN	CA-CB	13.84	1.75	1.53
2	3F	5	ASN	CA-CB	13.84	1.75	1.53
2	4B	5	ASN	CA-CB	13.84	1.75	1.53
2	4N	5	ASN	CA-CB	13.84	1.75	1.53
2	4V	5	ASN	CA-CB	13.84	1.75	1.53
2	5R	5	ASN	CA-CB	13.84	1.75	1.53
2	6J	5	ASN	CA-CB	13.84	1.75	1.53
2	6R	5	ASN	CA-CB	13.84	1.75	1.53
2	7N	5	ASN	CA-CB	13.84	1.75	1.53
2	1F	5	ASN	CA-CB	13.84	1.75	1.53
2	1N	5	ASN	CA-CB	13.84	1.75	1.53
2	2J	5	ASN	CA-CB	13.84	1.75	1.53
2	2N	5	ASN	CA-CB	13.84	1.75	1.53
2	23	5	ASN	CA-CB	13.84	1.75	1.53
2	3B	5	ASN	CA-CB	13.84	1.75	1.53
2	3J	5	ASN	CA-CB	13.84	1.75	1.53
2	3N	5	ASN	CA-CB	13.84	1.75	1.53
2	33	5	ASN	CA-CB	13.84	1.75	1.53
2	37	5	ASN	CA-CB	13.84	1.75	1.53
2	4F	5	ASN	CA-CB	13.84	1.75	1.53
2	4J	5	ASN	CA-CB	13.84	1.75	1.53
2	4R	5	ASN	CA-CB	13.84	1.75	1.53
2	4Z	5	ASN	CA-CB	13.84	1.75	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5V	5	ASN	CA-CB	13.84	1.75	1.53
2	5Z	5	ASN	CA-CB	13.84	1.75	1.53
2	6F	5	ASN	CA-CB	13.84	1.75	1.53
2	6N	5	ASN	CA-CB	13.84	1.75	1.53
2	6V	5	ASN	CA-CB	13.84	1.75	1.53
2	6Z	5	ASN	CA-CB	13.84	1.75	1.53
2	7F	5	ASN	CA-CB	13.84	1.75	1.53
2	7J	5	ASN	CA-CB	13.84	1.75	1.53
2	7R	5	ASN	CA-CB	13.84	1.75	1.53
2	7V	5	ASN	CA-CB	13.84	1.75	1.53
2	1R	5	ASN	CA-CB	13.83	1.75	1.53
2	1V	5	ASN	CA-CB	13.83	1.75	1.53
2	1Z	5	ASN	CA-CB	13.83	1.75	1.53
2	2R	5	ASN	CA-CB	13.83	1.75	1.53
2	2V	5	ASN	CA-CB	13.83	1.75	1.53
2	2Z	5	ASN	CA-CB	13.83	1.75	1.53
2	43	5	ASN	CA-CB	13.83	1.75	1.53
2	47	5	ASN	CA-CB	13.83	1.75	1.53
2	5B	5	ASN	CA-CB	13.83	1.75	1.53
2	53	5	ASN	CA-CB	13.83	1.75	1.53
2	57	5	ASN	CA-CB	13.83	1.75	1.53
2	6B	5	ASN	CA-CB	13.83	1.75	1.53
2	13	5	ASN	CA-CB	13.83	1.75	1.53
2	17	5	ASN	CA-CB	13.83	1.75	1.53
2	2B	5	ASN	CA-CB	13.83	1.75	1.53
2	3R	5	ASN	CA-CB	13.83	1.75	1.53
2	3V	5	ASN	CA-CB	13.83	1.75	1.53
2	3Z	5	ASN	CA-CB	13.83	1.75	1.53
2	5F	5	ASN	CA-CB	13.83	1.75	1.53
2	5J	5	ASN	CA-CB	13.83	1.75	1.53
2	5N	5	ASN	CA-CB	13.83	1.75	1.53
2	63	5	ASN	CA-CB	13.83	1.75	1.53
2	67	5	ASN	CA-CB	13.83	1.75	1.53
2	7B	5	ASN	CA-CB	13.83	1.75	1.53
2	1N	38	VAL	N-CA	13.83	1.63	1.46
2	2J	38	VAL	N-CA	13.83	1.63	1.46
2	3B	38	VAL	N-CA	13.83	1.63	1.46
2	3J	38	VAL	N-CA	13.83	1.63	1.46
2	33	38	VAL	N-CA	13.83	1.63	1.46
2	4F	38	VAL	N-CA	13.83	1.63	1.46
2	4Z	38	VAL	N-CA	13.83	1.63	1.46
2	5V	38	VAL	N-CA	13.83	1.63	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	38	VAL	N-CA	13.83	1.63	1.46
2	6V	38	VAL	N-CA	13.83	1.63	1.46
2	7F	38	VAL	N-CA	13.83	1.63	1.46
2	7R	38	VAL	N-CA	13.83	1.63	1.46
1	1Q	183	GLN	CB-CG	13.82	1.94	1.52
1	1U	183	GLN	CB-CG	13.82	1.94	1.52
1	1Y	183	GLN	CB-CG	13.82	1.94	1.52
1	12	183	GLN	CB-CG	13.82	1.93	1.52
1	16	183	GLN	CB-CG	13.82	1.93	1.52
1	2A	183	GLN	CB-CG	13.82	1.93	1.52
1	2Q	183	GLN	CB-CG	13.82	1.94	1.52
1	2U	183	GLN	CB-CG	13.82	1.94	1.52
1	2Y	183	GLN	CB-CG	13.82	1.94	1.52
1	3Q	183	GLN	CB-CG	13.82	1.93	1.52
1	3U	183	GLN	CB-CG	13.82	1.93	1.52
1	3Y	183	GLN	CB-CG	13.82	1.93	1.52
1	42	183	GLN	CB-CG	13.82	1.94	1.52
1	46	183	GLN	CB-CG	13.82	1.94	1.52
1	5A	183	GLN	CB-CG	13.82	1.94	1.52
1	5E	183	GLN	CB-CG	13.82	1.93	1.52
1	5I	183	GLN	CB-CG	13.82	1.93	1.52
1	5M	183	GLN	CB-CG	13.82	1.93	1.52
1	52	183	GLN	CB-CG	13.82	1.94	1.52
1	56	183	GLN	CB-CG	13.82	1.94	1.52
1	6A	183	GLN	CB-CG	13.82	1.94	1.52
1	62	183	GLN	CB-CG	13.82	1.93	1.52
1	66	183	GLN	CB-CG	13.82	1.93	1.52
1	7A	183	GLN	CB-CG	13.82	1.93	1.52
1	1A	183	GLN	CB-CG	13.81	1.93	1.52
1	1I	183	GLN	CB-CG	13.81	1.93	1.52
1	2E	183	GLN	CB-CG	13.81	1.93	1.52
1	26	183	GLN	CB-CG	13.81	1.93	1.52
1	3E	183	GLN	CB-CG	13.81	1.93	1.52
1	4A	183	GLN	CB-CG	13.81	1.93	1.52
1	4M	183	GLN	CB-CG	13.81	1.93	1.52
1	4U	183	GLN	CB-CG	13.81	1.93	1.52
1	5Q	183	GLN	CB-CG	13.81	1.93	1.52
1	6I	183	GLN	CB-CG	13.81	1.93	1.52
1	6Q	183	GLN	CB-CG	13.81	1.93	1.52
1	7M	183	GLN	CB-CG	13.81	1.93	1.52
2	1F	55	PRO	C-O	-13.80	1.08	1.24
2	2N	55	PRO	C-O	-13.80	1.08	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	55	PRO	C-O	-13.80	1.08	1.24
2	3N	55	PRO	C-O	-13.80	1.08	1.24
2	37	55	PRO	C-O	-13.80	1.08	1.24
2	4J	55	PRO	C-O	-13.80	1.08	1.24
2	4R	55	PRO	C-O	-13.80	1.08	1.24
2	5Z	55	PRO	C-O	-13.80	1.08	1.24
2	6F	55	PRO	C-O	-13.80	1.08	1.24
2	6Z	55	PRO	C-O	-13.80	1.08	1.24
2	7J	55	PRO	C-O	-13.80	1.08	1.24
2	7V	55	PRO	C-O	-13.80	1.08	1.24
1	1M	183	GLN	CB-CG	13.79	1.93	1.52
1	2I	183	GLN	CB-CG	13.79	1.93	1.52
1	3A	183	GLN	CB-CG	13.79	1.93	1.52
1	3I	183	GLN	CB-CG	13.79	1.93	1.52
1	32	183	GLN	CB-CG	13.79	1.93	1.52
1	4E	183	GLN	CB-CG	13.79	1.93	1.52
1	4Y	183	GLN	CB-CG	13.79	1.93	1.52
1	5U	183	GLN	CB-CG	13.79	1.93	1.52
1	6M	183	GLN	CB-CG	13.79	1.93	1.52
1	6U	183	GLN	CB-CG	13.79	1.93	1.52
1	7E	183	GLN	CB-CG	13.79	1.93	1.52
1	7Q	183	GLN	CB-CG	13.79	1.93	1.52
1	1E	183	GLN	CB-CG	13.79	1.93	1.52
1	2M	183	GLN	CB-CG	13.79	1.93	1.52
1	22	183	GLN	CB-CG	13.79	1.93	1.52
1	3M	183	GLN	CB-CG	13.79	1.93	1.52
1	36	183	GLN	CB-CG	13.79	1.93	1.52
1	4I	183	GLN	CB-CG	13.79	1.93	1.52
1	4Q	183	GLN	CB-CG	13.79	1.93	1.52
1	5Y	183	GLN	CB-CG	13.79	1.93	1.52
1	6E	183	GLN	CB-CG	13.79	1.93	1.52
1	6Y	183	GLN	CB-CG	13.79	1.93	1.52
1	7I	183	GLN	CB-CG	13.79	1.93	1.52
1	7U	183	GLN	CB-CG	13.79	1.93	1.52
1	1Q	172	PHE	CA-C	-13.79	1.34	1.52
1	1U	172	PHE	CA-C	-13.79	1.34	1.52
1	1Y	172	PHE	CA-C	-13.79	1.34	1.52
1	2Q	172	PHE	CA-C	-13.79	1.34	1.52
1	2U	172	PHE	CA-C	-13.79	1.34	1.52
1	2Y	172	PHE	CA-C	-13.79	1.34	1.52
1	42	172	PHE	CA-C	-13.79	1.34	1.52
1	46	172	PHE	CA-C	-13.79	1.34	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	172	PHE	CA-C	-13.79	1.34	1.52
1	52	172	PHE	CA-C	-13.79	1.34	1.52
1	56	172	PHE	CA-C	-13.79	1.34	1.52
1	6A	172	PHE	CA-C	-13.79	1.34	1.52
2	1R	41	PHE	N-CA	13.78	1.63	1.46
2	1V	41	PHE	N-CA	13.78	1.63	1.46
2	1Z	41	PHE	N-CA	13.78	1.63	1.46
2	2R	41	PHE	N-CA	13.78	1.63	1.46
2	2V	41	PHE	N-CA	13.78	1.63	1.46
2	2Z	41	PHE	N-CA	13.78	1.63	1.46
2	43	41	PHE	N-CA	13.78	1.63	1.46
2	47	41	PHE	N-CA	13.78	1.63	1.46
2	5B	41	PHE	N-CA	13.78	1.63	1.46
2	53	41	PHE	N-CA	13.78	1.63	1.46
2	57	41	PHE	N-CA	13.78	1.63	1.46
2	6B	41	PHE	N-CA	13.78	1.63	1.46
2	13	41	PHE	N-CA	13.78	1.63	1.46
2	17	41	PHE	N-CA	13.78	1.63	1.46
2	2B	41	PHE	N-CA	13.78	1.63	1.46
2	3R	41	PHE	N-CA	13.78	1.63	1.46
2	3V	41	PHE	N-CA	13.78	1.63	1.46
2	3Z	41	PHE	N-CA	13.78	1.63	1.46
2	5F	41	PHE	N-CA	13.78	1.63	1.46
2	5J	41	PHE	N-CA	13.78	1.63	1.46
2	5N	41	PHE	N-CA	13.78	1.63	1.46
2	63	41	PHE	N-CA	13.78	1.63	1.46
2	67	41	PHE	N-CA	13.78	1.63	1.46
2	7B	41	PHE	N-CA	13.78	1.63	1.46
1	12	172	PHE	CA-C	-13.78	1.34	1.52
1	16	172	PHE	CA-C	-13.78	1.34	1.52
1	2A	172	PHE	CA-C	-13.78	1.34	1.52
1	3Q	172	PHE	CA-C	-13.78	1.34	1.52
1	3U	172	PHE	CA-C	-13.78	1.34	1.52
1	3Y	172	PHE	CA-C	-13.78	1.34	1.52
1	5E	172	PHE	CA-C	-13.78	1.34	1.52
1	5I	172	PHE	CA-C	-13.78	1.34	1.52
1	5M	172	PHE	CA-C	-13.78	1.34	1.52
1	62	172	PHE	CA-C	-13.78	1.34	1.52
1	66	172	PHE	CA-C	-13.78	1.34	1.52
1	7A	172	PHE	CA-C	-13.78	1.34	1.52
2	1N	55	PRO	C-O	-13.77	1.08	1.24
2	2J	55	PRO	C-O	-13.77	1.08	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	55	PRO	C-O	-13.77	1.08	1.24
2	3J	55	PRO	C-O	-13.77	1.08	1.24
2	33	55	PRO	C-O	-13.77	1.08	1.24
2	4F	55	PRO	C-O	-13.77	1.08	1.24
2	4Z	55	PRO	C-O	-13.77	1.08	1.24
2	5V	55	PRO	C-O	-13.77	1.08	1.24
2	6N	55	PRO	C-O	-13.77	1.08	1.24
2	6V	55	PRO	C-O	-13.77	1.08	1.24
2	7F	55	PRO	C-O	-13.77	1.08	1.24
2	7R	55	PRO	C-O	-13.77	1.08	1.24
2	1N	41	PHE	N-CA	13.77	1.63	1.46
2	1R	55	PRO	C-O	-13.77	1.08	1.24
2	1V	55	PRO	C-O	-13.77	1.08	1.24
2	1Z	55	PRO	C-O	-13.77	1.08	1.24
2	2J	41	PHE	N-CA	13.77	1.63	1.46
2	2R	55	PRO	C-O	-13.77	1.08	1.24
2	2V	55	PRO	C-O	-13.77	1.08	1.24
2	2Z	55	PRO	C-O	-13.77	1.08	1.24
2	3B	41	PHE	N-CA	13.77	1.63	1.46
2	3J	41	PHE	N-CA	13.77	1.63	1.46
2	33	41	PHE	N-CA	13.77	1.63	1.46
2	4F	41	PHE	N-CA	13.77	1.63	1.46
2	4Z	41	PHE	N-CA	13.77	1.63	1.46
2	43	55	PRO	C-O	-13.77	1.08	1.24
2	47	55	PRO	C-O	-13.77	1.08	1.24
2	5B	55	PRO	C-O	-13.77	1.08	1.24
2	5V	41	PHE	N-CA	13.77	1.63	1.46
2	53	55	PRO	C-O	-13.77	1.08	1.24
2	57	55	PRO	C-O	-13.77	1.08	1.24
2	6B	55	PRO	C-O	-13.77	1.08	1.24
2	6N	41	PHE	N-CA	13.77	1.63	1.46
2	6V	41	PHE	N-CA	13.77	1.63	1.46
2	7F	41	PHE	N-CA	13.77	1.63	1.46
2	7R	41	PHE	N-CA	13.77	1.63	1.46
1	1A	172	PHE	CA-C	-13.77	1.34	1.52
1	1I	172	PHE	CA-C	-13.77	1.34	1.52
1	2E	172	PHE	CA-C	-13.77	1.34	1.52
1	26	172	PHE	CA-C	-13.77	1.34	1.52
1	3E	172	PHE	CA-C	-13.77	1.34	1.52
1	4A	172	PHE	CA-C	-13.77	1.34	1.52
1	4M	172	PHE	CA-C	-13.77	1.34	1.52
1	4U	172	PHE	CA-C	-13.77	1.34	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	172	PHE	CA-C	-13.77	1.34	1.52
1	6I	172	PHE	CA-C	-13.77	1.34	1.52
1	6Q	172	PHE	CA-C	-13.77	1.34	1.52
1	7M	172	PHE	CA-C	-13.77	1.34	1.52
1	1E	172	PHE	CA-C	-13.77	1.34	1.52
1	2M	172	PHE	CA-C	-13.77	1.34	1.52
1	22	172	PHE	CA-C	-13.77	1.34	1.52
1	3M	172	PHE	CA-C	-13.77	1.34	1.52
1	36	172	PHE	CA-C	-13.77	1.34	1.52
1	4I	172	PHE	CA-C	-13.77	1.34	1.52
1	4Q	172	PHE	CA-C	-13.77	1.34	1.52
1	5Y	172	PHE	CA-C	-13.77	1.34	1.52
1	6E	172	PHE	CA-C	-13.77	1.34	1.52
1	6Y	172	PHE	CA-C	-13.77	1.34	1.52
1	7I	172	PHE	CA-C	-13.77	1.34	1.52
1	7U	172	PHE	CA-C	-13.77	1.34	1.52
2	1B	55	PRO	C-O	-13.76	1.08	1.24
2	1J	55	PRO	C-O	-13.76	1.08	1.24
2	13	55	PRO	C-O	-13.76	1.08	1.24
2	17	55	PRO	C-O	-13.76	1.08	1.24
2	2B	55	PRO	C-O	-13.76	1.08	1.24
2	2F	55	PRO	C-O	-13.76	1.08	1.24
2	27	55	PRO	C-O	-13.76	1.08	1.24
2	3F	55	PRO	C-O	-13.76	1.08	1.24
2	3R	55	PRO	C-O	-13.76	1.08	1.24
2	3V	55	PRO	C-O	-13.76	1.08	1.24
2	3Z	55	PRO	C-O	-13.76	1.08	1.24
2	4B	55	PRO	C-O	-13.76	1.08	1.24
2	4N	55	PRO	C-O	-13.76	1.08	1.24
2	4V	55	PRO	C-O	-13.76	1.08	1.24
2	5F	55	PRO	C-O	-13.76	1.08	1.24
2	5J	55	PRO	C-O	-13.76	1.08	1.24
2	5N	55	PRO	C-O	-13.76	1.08	1.24
2	5R	55	PRO	C-O	-13.76	1.08	1.24
2	6J	55	PRO	C-O	-13.76	1.08	1.24
2	6R	55	PRO	C-O	-13.76	1.08	1.24
2	63	55	PRO	C-O	-13.76	1.08	1.24
2	67	55	PRO	C-O	-13.76	1.08	1.24
2	7B	55	PRO	C-O	-13.76	1.08	1.24
2	7N	55	PRO	C-O	-13.76	1.08	1.24
2	1B	41	PHE	N-CA	13.76	1.63	1.46
2	1J	41	PHE	N-CA	13.76	1.63	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	41	PHE	N-CA	13.76	1.63	1.46
2	27	41	PHE	N-CA	13.76	1.63	1.46
2	3F	41	PHE	N-CA	13.76	1.63	1.46
2	4B	41	PHE	N-CA	13.76	1.63	1.46
2	4N	41	PHE	N-CA	13.76	1.63	1.46
2	4V	41	PHE	N-CA	13.76	1.63	1.46
2	5R	41	PHE	N-CA	13.76	1.63	1.46
2	6J	41	PHE	N-CA	13.76	1.63	1.46
2	6R	41	PHE	N-CA	13.76	1.63	1.46
2	7N	41	PHE	N-CA	13.76	1.63	1.46
2	1F	41	PHE	N-CA	13.75	1.62	1.46
2	2N	41	PHE	N-CA	13.75	1.62	1.46
2	23	41	PHE	N-CA	13.75	1.62	1.46
2	3N	41	PHE	N-CA	13.75	1.62	1.46
2	37	41	PHE	N-CA	13.75	1.62	1.46
2	4J	41	PHE	N-CA	13.75	1.62	1.46
2	4R	41	PHE	N-CA	13.75	1.62	1.46
2	5Z	41	PHE	N-CA	13.75	1.62	1.46
2	6F	41	PHE	N-CA	13.75	1.62	1.46
2	6Z	41	PHE	N-CA	13.75	1.62	1.46
2	7J	41	PHE	N-CA	13.75	1.62	1.46
2	7V	41	PHE	N-CA	13.75	1.62	1.46
1	1M	172	PHE	CA-C	-13.72	1.34	1.52
1	2I	172	PHE	CA-C	-13.72	1.34	1.52
1	3A	172	PHE	CA-C	-13.72	1.34	1.52
1	3I	172	PHE	CA-C	-13.72	1.34	1.52
1	32	172	PHE	CA-C	-13.72	1.34	1.52
1	4E	172	PHE	CA-C	-13.72	1.34	1.52
1	4Y	172	PHE	CA-C	-13.72	1.34	1.52
1	5U	172	PHE	CA-C	-13.72	1.34	1.52
1	6M	172	PHE	CA-C	-13.72	1.34	1.52
1	6U	172	PHE	CA-C	-13.72	1.34	1.52
1	7E	172	PHE	CA-C	-13.72	1.34	1.52
1	7Q	172	PHE	CA-C	-13.72	1.34	1.52
1	1M	21	ASN	C-N	13.71	1.54	1.33
1	2I	21	ASN	C-N	13.71	1.54	1.33
1	3A	21	ASN	C-N	13.71	1.54	1.33
1	3I	21	ASN	C-N	13.71	1.54	1.33
1	32	21	ASN	C-N	13.71	1.54	1.33
1	4E	21	ASN	C-N	13.71	1.54	1.33
1	4Y	21	ASN	C-N	13.71	1.54	1.33
1	5U	21	ASN	C-N	13.71	1.54	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	21	ASN	C-N	13.71	1.54	1.33
1	6U	21	ASN	C-N	13.71	1.54	1.33
1	7E	21	ASN	C-N	13.71	1.54	1.33
1	7Q	21	ASN	C-N	13.71	1.54	1.33
1	1E	80	PHE	CG-CD1	13.70	1.67	1.38
1	2M	80	PHE	CG-CD1	13.70	1.67	1.38
1	22	80	PHE	CG-CD1	13.70	1.67	1.38
1	3M	80	PHE	CG-CD1	13.70	1.67	1.38
1	36	80	PHE	CG-CD1	13.70	1.67	1.38
1	4I	80	PHE	CG-CD1	13.70	1.67	1.38
1	4Q	80	PHE	CG-CD1	13.70	1.67	1.38
1	5Y	80	PHE	CG-CD1	13.70	1.67	1.38
1	6E	80	PHE	CG-CD1	13.70	1.67	1.38
1	6Y	80	PHE	CG-CD1	13.70	1.67	1.38
1	7I	80	PHE	CG-CD1	13.70	1.67	1.38
1	7U	80	PHE	CG-CD1	13.70	1.67	1.38
1	1M	80	PHE	CG-CD1	13.70	1.67	1.38
1	2I	80	PHE	CG-CD1	13.70	1.67	1.38
1	3A	80	PHE	CG-CD1	13.70	1.67	1.38
1	3I	80	PHE	CG-CD1	13.70	1.67	1.38
1	32	80	PHE	CG-CD1	13.70	1.67	1.38
1	4E	80	PHE	CG-CD1	13.70	1.67	1.38
1	4Y	80	PHE	CG-CD1	13.70	1.67	1.38
1	5U	80	PHE	CG-CD1	13.70	1.67	1.38
1	6M	80	PHE	CG-CD1	13.70	1.67	1.38
1	6U	80	PHE	CG-CD1	13.70	1.67	1.38
1	7E	80	PHE	CG-CD1	13.70	1.67	1.38
1	7Q	80	PHE	CG-CD1	13.70	1.67	1.38
1	1M	42	VAL	CA-C	13.69	1.70	1.52
1	2I	42	VAL	CA-C	13.69	1.70	1.52
1	3A	42	VAL	CA-C	13.69	1.70	1.52
1	3I	42	VAL	CA-C	13.69	1.70	1.52
1	32	42	VAL	CA-C	13.69	1.70	1.52
1	4E	42	VAL	CA-C	13.69	1.70	1.52
1	4Y	42	VAL	CA-C	13.69	1.70	1.52
1	5U	42	VAL	CA-C	13.69	1.70	1.52
1	6M	42	VAL	CA-C	13.69	1.70	1.52
1	6U	42	VAL	CA-C	13.69	1.70	1.52
1	7E	42	VAL	CA-C	13.69	1.70	1.52
1	7Q	42	VAL	CA-C	13.69	1.70	1.52
1	1A	42	VAL	CA-C	13.69	1.70	1.52
1	1I	42	VAL	CA-C	13.69	1.70	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Q	42	VAL	CA-C	13.69	1.70	1.52
1	1U	42	VAL	CA-C	13.69	1.70	1.52
1	1Y	42	VAL	CA-C	13.69	1.70	1.52
1	2E	42	VAL	CA-C	13.69	1.70	1.52
1	2Q	42	VAL	CA-C	13.69	1.70	1.52
1	2U	42	VAL	CA-C	13.69	1.70	1.52
1	2Y	42	VAL	CA-C	13.69	1.70	1.52
1	26	42	VAL	CA-C	13.69	1.70	1.52
1	3E	42	VAL	CA-C	13.69	1.70	1.52
1	4A	42	VAL	CA-C	13.69	1.70	1.52
1	4M	42	VAL	CA-C	13.69	1.70	1.52
1	4U	42	VAL	CA-C	13.69	1.70	1.52
1	42	42	VAL	CA-C	13.69	1.70	1.52
1	46	42	VAL	CA-C	13.69	1.70	1.52
1	5A	42	VAL	CA-C	13.69	1.70	1.52
1	5Q	42	VAL	CA-C	13.69	1.70	1.52
1	52	42	VAL	CA-C	13.69	1.70	1.52
1	56	42	VAL	CA-C	13.69	1.70	1.52
1	6A	42	VAL	CA-C	13.69	1.70	1.52
1	6I	42	VAL	CA-C	13.69	1.70	1.52
1	6Q	42	VAL	CA-C	13.69	1.70	1.52
1	7M	42	VAL	CA-C	13.69	1.70	1.52
1	12	21	ASN	C-N	13.68	1.54	1.33
1	16	21	ASN	C-N	13.68	1.54	1.33
1	2A	21	ASN	C-N	13.68	1.54	1.33
1	3Q	21	ASN	C-N	13.68	1.54	1.33
1	3U	21	ASN	C-N	13.68	1.54	1.33
1	3Y	21	ASN	C-N	13.68	1.54	1.33
1	5E	21	ASN	C-N	13.68	1.54	1.33
1	5I	21	ASN	C-N	13.68	1.54	1.33
1	5M	21	ASN	C-N	13.68	1.54	1.33
1	62	21	ASN	C-N	13.68	1.54	1.33
1	66	21	ASN	C-N	13.68	1.54	1.33
1	7A	21	ASN	C-N	13.68	1.54	1.33
1	1A	21	ASN	C-N	13.67	1.54	1.33
1	1I	21	ASN	C-N	13.67	1.54	1.33
1	2E	21	ASN	C-N	13.67	1.54	1.33
1	26	21	ASN	C-N	13.67	1.54	1.33
1	3E	21	ASN	C-N	13.67	1.54	1.33
1	4A	21	ASN	C-N	13.67	1.54	1.33
1	4M	21	ASN	C-N	13.67	1.54	1.33
1	4U	21	ASN	C-N	13.67	1.54	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	21	ASN	C-N	13.67	1.54	1.33
1	6I	21	ASN	C-N	13.67	1.54	1.33
1	6Q	21	ASN	C-N	13.67	1.54	1.33
1	7M	21	ASN	C-N	13.67	1.54	1.33
1	1A	80	PHE	CG-CD1	13.67	1.67	1.38
1	1I	80	PHE	CG-CD1	13.67	1.67	1.38
1	12	42	VAL	CA-C	13.67	1.70	1.52
1	16	42	VAL	CA-C	13.67	1.70	1.52
1	2A	42	VAL	CA-C	13.67	1.70	1.52
1	2E	80	PHE	CG-CD1	13.67	1.67	1.38
1	26	80	PHE	CG-CD1	13.67	1.67	1.38
1	3E	80	PHE	CG-CD1	13.67	1.67	1.38
1	3Q	42	VAL	CA-C	13.67	1.70	1.52
1	3U	42	VAL	CA-C	13.67	1.70	1.52
1	3Y	42	VAL	CA-C	13.67	1.70	1.52
1	4A	80	PHE	CG-CD1	13.67	1.67	1.38
1	4M	80	PHE	CG-CD1	13.67	1.67	1.38
1	4U	80	PHE	CG-CD1	13.67	1.67	1.38
1	5E	42	VAL	CA-C	13.67	1.70	1.52
1	5I	42	VAL	CA-C	13.67	1.70	1.52
1	5M	42	VAL	CA-C	13.67	1.70	1.52
1	5Q	80	PHE	CG-CD1	13.67	1.67	1.38
1	6I	80	PHE	CG-CD1	13.67	1.67	1.38
1	6Q	80	PHE	CG-CD1	13.67	1.67	1.38
1	62	42	VAL	CA-C	13.67	1.70	1.52
1	66	42	VAL	CA-C	13.67	1.70	1.52
1	7A	42	VAL	CA-C	13.67	1.70	1.52
1	7M	80	PHE	CG-CD1	13.67	1.67	1.38
1	1E	21	ASN	C-N	13.67	1.54	1.33
1	2M	21	ASN	C-N	13.67	1.54	1.33
1	22	21	ASN	C-N	13.67	1.54	1.33
1	3M	21	ASN	C-N	13.67	1.54	1.33
1	36	21	ASN	C-N	13.67	1.54	1.33
1	4I	21	ASN	C-N	13.67	1.54	1.33
1	4Q	21	ASN	C-N	13.67	1.54	1.33
1	5Y	21	ASN	C-N	13.67	1.54	1.33
1	6E	21	ASN	C-N	13.67	1.54	1.33
1	6Y	21	ASN	C-N	13.67	1.54	1.33
1	7I	21	ASN	C-N	13.67	1.54	1.33
1	7U	21	ASN	C-N	13.67	1.54	1.33
1	1E	42	VAL	CA-C	13.65	1.70	1.52
1	2M	42	VAL	CA-C	13.65	1.70	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	42	VAL	CA-C	13.65	1.70	1.52
1	3M	42	VAL	CA-C	13.65	1.70	1.52
1	36	42	VAL	CA-C	13.65	1.70	1.52
1	4I	42	VAL	CA-C	13.65	1.70	1.52
1	4Q	42	VAL	CA-C	13.65	1.70	1.52
1	5Y	42	VAL	CA-C	13.65	1.70	1.52
1	6E	42	VAL	CA-C	13.65	1.70	1.52
1	6Y	42	VAL	CA-C	13.65	1.70	1.52
1	7I	42	VAL	CA-C	13.65	1.70	1.52
1	7U	42	VAL	CA-C	13.65	1.70	1.52
1	1M	38	PRO	C-O	13.65	1.41	1.24
1	2I	38	PRO	C-O	13.65	1.41	1.24
1	3A	38	PRO	C-O	13.65	1.41	1.24
1	3I	38	PRO	C-O	13.65	1.41	1.24
1	32	38	PRO	C-O	13.65	1.41	1.24
1	4E	38	PRO	C-O	13.65	1.41	1.24
1	4Y	38	PRO	C-O	13.65	1.41	1.24
1	5U	38	PRO	C-O	13.65	1.41	1.24
1	6M	38	PRO	C-O	13.65	1.41	1.24
1	6U	38	PRO	C-O	13.65	1.41	1.24
1	7E	38	PRO	C-O	13.65	1.41	1.24
1	7Q	38	PRO	C-O	13.65	1.41	1.24
1	1M	172	PHE	CE1-CZ	13.65	1.79	1.38
1	1Q	80	PHE	CG-CD1	13.65	1.67	1.38
1	1U	80	PHE	CG-CD1	13.65	1.67	1.38
1	1Y	80	PHE	CG-CD1	13.65	1.67	1.38
1	2Q	80	PHE	CG-CD1	13.65	1.67	1.38
1	2U	80	PHE	CG-CD1	13.65	1.67	1.38
1	2Y	80	PHE	CG-CD1	13.65	1.67	1.38
1	52	80	PHE	CG-CD1	13.65	1.67	1.38
1	56	80	PHE	CG-CD1	13.65	1.67	1.38
1	1Q	21	ASN	C-N	13.65	1.54	1.33
1	1U	21	ASN	C-N	13.65	1.54	1.33
1	1Y	21	ASN	C-N	13.65	1.54	1.33
1	12	80	PHE	CG-CD1	13.65	1.67	1.38
1	16	80	PHE	CG-CD1	13.65	1.67	1.38
1	2A	80	PHE	CG-CD1	13.65	1.67	1.38
1	2I	172	PHE	CE1-CZ	13.65	1.79	1.38
1	2Q	21	ASN	C-N	13.65	1.54	1.33
1	2U	21	ASN	C-N	13.65	1.54	1.33
1	2Y	21	ASN	C-N	13.65	1.54	1.33
1	3A	172	PHE	CE1-CZ	13.65	1.79	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3I	172	PHE	CE1-CZ	13.65	1.79	1.38
1	42	80	PHE	CG-CD1	13.65	1.67	1.38
1	6A	80	PHE	CG-CD1	13.65	1.67	1.38
1	3Q	80	PHE	CG-CD1	13.65	1.67	1.38
1	3U	80	PHE	CG-CD1	13.65	1.67	1.38
1	3Y	80	PHE	CG-CD1	13.65	1.67	1.38
1	32	172	PHE	CE1-CZ	13.65	1.79	1.38
1	4E	172	PHE	CE1-CZ	13.65	1.79	1.38
1	4Y	172	PHE	CE1-CZ	13.65	1.79	1.38
1	46	80	PHE	CG-CD1	13.65	1.67	1.38
1	5A	80	PHE	CG-CD1	13.65	1.67	1.38
1	42	21	ASN	C-N	13.65	1.54	1.33
1	46	21	ASN	C-N	13.65	1.54	1.33
1	5A	21	ASN	C-N	13.65	1.54	1.33
1	5E	80	PHE	CG-CD1	13.65	1.67	1.38
1	5I	80	PHE	CG-CD1	13.65	1.67	1.38
1	5M	80	PHE	CG-CD1	13.65	1.67	1.38
1	5U	172	PHE	CE1-CZ	13.65	1.79	1.38
1	52	21	ASN	C-N	13.65	1.54	1.33
1	56	21	ASN	C-N	13.65	1.54	1.33
1	6A	21	ASN	C-N	13.65	1.54	1.33
1	6M	172	PHE	CE1-CZ	13.65	1.79	1.38
1	6U	172	PHE	CE1-CZ	13.65	1.79	1.38
1	62	80	PHE	CG-CD1	13.65	1.67	1.38
1	66	80	PHE	CG-CD1	13.65	1.67	1.38
1	7A	80	PHE	CG-CD1	13.65	1.67	1.38
1	7E	172	PHE	CE1-CZ	13.65	1.79	1.38
1	7Q	172	PHE	CE1-CZ	13.65	1.79	1.38
1	12	172	PHE	CE1-CZ	13.65	1.79	1.38
1	16	172	PHE	CE1-CZ	13.65	1.79	1.38
1	2A	172	PHE	CE1-CZ	13.65	1.79	1.38
1	3Q	172	PHE	CE1-CZ	13.65	1.79	1.38
1	3U	172	PHE	CE1-CZ	13.65	1.79	1.38
1	3Y	172	PHE	CE1-CZ	13.65	1.79	1.38
1	5E	172	PHE	CE1-CZ	13.65	1.79	1.38
1	5I	172	PHE	CE1-CZ	13.65	1.79	1.38
1	5M	172	PHE	CE1-CZ	13.65	1.79	1.38
1	62	172	PHE	CE1-CZ	13.65	1.79	1.38
1	66	172	PHE	CE1-CZ	13.65	1.79	1.38
1	7A	172	PHE	CE1-CZ	13.65	1.79	1.38
1	1A	172	PHE	CE1-CZ	13.64	1.79	1.38
1	1I	172	PHE	CE1-CZ	13.64	1.79	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	172	PHE	CE1-CZ	13.64	1.79	1.38
1	26	172	PHE	CE1-CZ	13.64	1.79	1.38
1	3E	172	PHE	CE1-CZ	13.64	1.79	1.38
1	4A	172	PHE	CE1-CZ	13.64	1.79	1.38
1	4M	172	PHE	CE1-CZ	13.64	1.79	1.38
1	4U	172	PHE	CE1-CZ	13.64	1.79	1.38
1	5Q	172	PHE	CE1-CZ	13.64	1.79	1.38
1	6I	172	PHE	CE1-CZ	13.64	1.79	1.38
1	6Q	172	PHE	CE1-CZ	13.64	1.79	1.38
1	7M	172	PHE	CE1-CZ	13.64	1.79	1.38
1	1Q	172	PHE	CE1-CZ	13.63	1.79	1.38
1	1U	172	PHE	CE1-CZ	13.63	1.79	1.38
1	1Y	172	PHE	CE1-CZ	13.63	1.79	1.38
1	2Q	172	PHE	CE1-CZ	13.63	1.79	1.38
1	2U	172	PHE	CE1-CZ	13.63	1.79	1.38
1	2Y	172	PHE	CE1-CZ	13.63	1.79	1.38
1	42	172	PHE	CE1-CZ	13.63	1.79	1.38
1	46	172	PHE	CE1-CZ	13.63	1.79	1.38
1	5A	172	PHE	CE1-CZ	13.63	1.79	1.38
1	52	172	PHE	CE1-CZ	13.63	1.79	1.38
1	56	172	PHE	CE1-CZ	13.63	1.79	1.38
1	6A	172	PHE	CE1-CZ	13.63	1.79	1.38
1	1E	172	PHE	CE1-CZ	13.63	1.79	1.38
1	2M	172	PHE	CE1-CZ	13.63	1.79	1.38
1	22	172	PHE	CE1-CZ	13.63	1.79	1.38
1	3M	172	PHE	CE1-CZ	13.63	1.79	1.38
1	36	172	PHE	CE1-CZ	13.63	1.79	1.38
1	4I	172	PHE	CE1-CZ	13.63	1.79	1.38
1	4Q	172	PHE	CE1-CZ	13.63	1.79	1.38
1	5Y	172	PHE	CE1-CZ	13.63	1.79	1.38
1	6E	172	PHE	CE1-CZ	13.63	1.79	1.38
1	6Y	172	PHE	CE1-CZ	13.63	1.79	1.38
1	7I	172	PHE	CE1-CZ	13.63	1.79	1.38
1	7U	172	PHE	CE1-CZ	13.63	1.79	1.38
1	1E	38	PRO	C-O	13.63	1.41	1.24
1	2M	38	PRO	C-O	13.63	1.41	1.24
1	22	38	PRO	C-O	13.63	1.41	1.24
1	3M	38	PRO	C-O	13.63	1.41	1.24
1	36	38	PRO	C-O	13.63	1.41	1.24
1	4I	38	PRO	C-O	13.63	1.41	1.24
1	4Q	38	PRO	C-O	13.63	1.41	1.24
1	5Y	38	PRO	C-O	13.63	1.41	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	38	PRO	C-O	13.63	1.41	1.24
1	6Y	38	PRO	C-O	13.63	1.41	1.24
1	7I	38	PRO	C-O	13.63	1.41	1.24
1	7U	38	PRO	C-O	13.63	1.41	1.24
1	12	38	PRO	C-O	13.62	1.41	1.24
1	16	38	PRO	C-O	13.62	1.41	1.24
1	2A	38	PRO	C-O	13.62	1.41	1.24
1	3Q	38	PRO	C-O	13.62	1.41	1.24
1	3U	38	PRO	C-O	13.62	1.41	1.24
1	3Y	38	PRO	C-O	13.62	1.41	1.24
1	5E	38	PRO	C-O	13.62	1.41	1.24
1	5I	38	PRO	C-O	13.62	1.41	1.24
1	5M	38	PRO	C-O	13.62	1.41	1.24
1	62	38	PRO	C-O	13.62	1.41	1.24
1	66	38	PRO	C-O	13.62	1.41	1.24
1	7A	38	PRO	C-O	13.62	1.41	1.24
1	1Q	146	ASN	CG-ND2	13.61	1.61	1.33
1	1U	146	ASN	CG-ND2	13.61	1.61	1.33
1	1Y	146	ASN	CG-ND2	13.61	1.61	1.33
1	2Q	146	ASN	CG-ND2	13.61	1.61	1.33
1	2U	146	ASN	CG-ND2	13.61	1.61	1.33
1	2Y	146	ASN	CG-ND2	13.61	1.61	1.33
1	42	146	ASN	CG-ND2	13.61	1.61	1.33
1	46	146	ASN	CG-ND2	13.61	1.61	1.33
1	5A	146	ASN	CG-ND2	13.61	1.61	1.33
1	52	146	ASN	CG-ND2	13.61	1.61	1.33
1	56	146	ASN	CG-ND2	13.61	1.61	1.33
1	6A	146	ASN	CG-ND2	13.61	1.61	1.33
1	1A	146	ASN	CG-ND2	13.61	1.61	1.33
1	1I	146	ASN	CG-ND2	13.61	1.61	1.33
1	2E	146	ASN	CG-ND2	13.61	1.61	1.33
1	26	146	ASN	CG-ND2	13.61	1.61	1.33
1	3E	146	ASN	CG-ND2	13.61	1.61	1.33
1	4A	146	ASN	CG-ND2	13.61	1.61	1.33
1	4M	146	ASN	CG-ND2	13.61	1.61	1.33
1	4U	146	ASN	CG-ND2	13.61	1.61	1.33
1	5Q	146	ASN	CG-ND2	13.61	1.61	1.33
1	6I	146	ASN	CG-ND2	13.61	1.61	1.33
1	6Q	146	ASN	CG-ND2	13.61	1.61	1.33
1	7M	146	ASN	CG-ND2	13.61	1.61	1.33
1	1A	38	PRO	C-O	13.60	1.41	1.24
1	1I	38	PRO	C-O	13.60	1.41	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	38	PRO	C-O	13.60	1.41	1.24
1	26	38	PRO	C-O	13.60	1.41	1.24
1	3E	38	PRO	C-O	13.60	1.41	1.24
1	4A	38	PRO	C-O	13.60	1.41	1.24
1	4M	38	PRO	C-O	13.60	1.41	1.24
1	4U	38	PRO	C-O	13.60	1.41	1.24
1	5Q	38	PRO	C-O	13.60	1.41	1.24
1	6I	38	PRO	C-O	13.60	1.41	1.24
1	6Q	38	PRO	C-O	13.60	1.41	1.24
1	7M	38	PRO	C-O	13.60	1.41	1.24
1	1A	7	GLN	C-N	13.59	1.52	1.33
1	1E	146	ASN	CG-ND2	13.59	1.61	1.33
1	1I	7	GLN	C-N	13.59	1.52	1.33
1	2E	7	GLN	C-N	13.59	1.52	1.33
1	2M	146	ASN	CG-ND2	13.59	1.61	1.33
1	22	146	ASN	CG-ND2	13.59	1.61	1.33
1	26	7	GLN	C-N	13.59	1.52	1.33
1	3E	7	GLN	C-N	13.59	1.52	1.33
1	3M	146	ASN	CG-ND2	13.59	1.61	1.33
1	36	146	ASN	CG-ND2	13.59	1.61	1.33
1	4A	7	GLN	C-N	13.59	1.52	1.33
1	4I	146	ASN	CG-ND2	13.59	1.61	1.33
1	4M	7	GLN	C-N	13.59	1.52	1.33
1	4Q	146	ASN	CG-ND2	13.59	1.61	1.33
1	4U	7	GLN	C-N	13.59	1.52	1.33
1	5Q	7	GLN	C-N	13.59	1.52	1.33
1	5Y	146	ASN	CG-ND2	13.59	1.61	1.33
1	6E	146	ASN	CG-ND2	13.59	1.61	1.33
1	6I	7	GLN	C-N	13.59	1.52	1.33
1	6Q	7	GLN	C-N	13.59	1.52	1.33
1	6Y	146	ASN	CG-ND2	13.59	1.61	1.33
1	7I	146	ASN	CG-ND2	13.59	1.61	1.33
1	7M	7	GLN	C-N	13.59	1.52	1.33
1	7U	146	ASN	CG-ND2	13.59	1.61	1.33
1	1M	146	ASN	CG-ND2	13.59	1.61	1.33
1	2I	146	ASN	CG-ND2	13.59	1.61	1.33
1	3A	146	ASN	CG-ND2	13.59	1.61	1.33
1	3I	146	ASN	CG-ND2	13.59	1.61	1.33
1	32	146	ASN	CG-ND2	13.59	1.61	1.33
1	4E	146	ASN	CG-ND2	13.59	1.61	1.33
1	4Y	146	ASN	CG-ND2	13.59	1.61	1.33
1	5U	146	ASN	CG-ND2	13.59	1.61	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	146	ASN	CG-ND2	13.59	1.61	1.33
1	6U	146	ASN	CG-ND2	13.59	1.61	1.33
1	7E	146	ASN	CG-ND2	13.59	1.61	1.33
1	7Q	146	ASN	CG-ND2	13.59	1.61	1.33
1	12	146	ASN	CG-ND2	13.58	1.61	1.33
1	16	146	ASN	CG-ND2	13.58	1.61	1.33
1	2A	146	ASN	CG-ND2	13.58	1.61	1.33
1	3Q	146	ASN	CG-ND2	13.58	1.61	1.33
1	3U	146	ASN	CG-ND2	13.58	1.61	1.33
1	3Y	146	ASN	CG-ND2	13.58	1.61	1.33
1	5E	146	ASN	CG-ND2	13.58	1.61	1.33
1	5I	146	ASN	CG-ND2	13.58	1.61	1.33
1	5M	146	ASN	CG-ND2	13.58	1.61	1.33
1	62	146	ASN	CG-ND2	13.58	1.61	1.33
1	66	146	ASN	CG-ND2	13.58	1.61	1.33
1	7A	146	ASN	CG-ND2	13.58	1.61	1.33
1	1Q	38	PRO	C-O	13.58	1.41	1.24
1	1U	38	PRO	C-O	13.58	1.41	1.24
1	1Y	38	PRO	C-O	13.58	1.41	1.24
1	2Q	38	PRO	C-O	13.58	1.41	1.24
1	2U	38	PRO	C-O	13.58	1.41	1.24
1	2Y	38	PRO	C-O	13.58	1.41	1.24
1	42	38	PRO	C-O	13.58	1.41	1.24
1	46	38	PRO	C-O	13.58	1.41	1.24
1	5A	38	PRO	C-O	13.58	1.41	1.24
1	52	38	PRO	C-O	13.58	1.41	1.24
1	56	38	PRO	C-O	13.58	1.41	1.24
1	6A	38	PRO	C-O	13.58	1.41	1.24
1	1Q	80	PHE	CA-C	13.56	1.71	1.52
1	1U	80	PHE	CA-C	13.56	1.71	1.52
1	1Y	80	PHE	CA-C	13.56	1.71	1.52
1	2Q	80	PHE	CA-C	13.56	1.71	1.52
1	2U	80	PHE	CA-C	13.56	1.71	1.52
1	2Y	80	PHE	CA-C	13.56	1.71	1.52
1	42	80	PHE	CA-C	13.56	1.71	1.52
1	46	80	PHE	CA-C	13.56	1.71	1.52
1	5A	80	PHE	CA-C	13.56	1.71	1.52
1	52	80	PHE	CA-C	13.56	1.71	1.52
1	56	80	PHE	CA-C	13.56	1.71	1.52
1	6A	80	PHE	CA-C	13.56	1.71	1.52
1	1M	7	GLN	C-N	13.55	1.52	1.33
1	1M	80	PHE	CA-C	13.55	1.71	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2I	7	GLN	C-N	13.55	1.52	1.33
1	2I	80	PHE	CA-C	13.55	1.71	1.52
1	3A	7	GLN	C-N	13.55	1.52	1.33
1	3A	80	PHE	CA-C	13.55	1.71	1.52
1	3I	7	GLN	C-N	13.55	1.52	1.33
1	3I	80	PHE	CA-C	13.55	1.71	1.52
1	32	7	GLN	C-N	13.55	1.52	1.33
1	32	80	PHE	CA-C	13.55	1.71	1.52
1	4E	7	GLN	C-N	13.55	1.52	1.33
1	4E	80	PHE	CA-C	13.55	1.71	1.52
1	4Y	7	GLN	C-N	13.55	1.52	1.33
1	4Y	80	PHE	CA-C	13.55	1.71	1.52
1	5U	7	GLN	C-N	13.55	1.52	1.33
1	5U	80	PHE	CA-C	13.55	1.71	1.52
1	6M	7	GLN	C-N	13.55	1.52	1.33
1	6M	80	PHE	CA-C	13.55	1.71	1.52
1	6U	7	GLN	C-N	13.55	1.52	1.33
1	6U	80	PHE	CA-C	13.55	1.71	1.52
1	7E	7	GLN	C-N	13.55	1.52	1.33
1	7E	80	PHE	CA-C	13.55	1.71	1.52
1	7Q	7	GLN	C-N	13.55	1.52	1.33
1	7Q	80	PHE	CA-C	13.55	1.71	1.52
1	12	7	GLN	C-N	13.54	1.52	1.33
1	16	7	GLN	C-N	13.54	1.52	1.33
1	2A	7	GLN	C-N	13.54	1.52	1.33
1	3Q	7	GLN	C-N	13.54	1.52	1.33
1	3U	7	GLN	C-N	13.54	1.52	1.33
1	3Y	7	GLN	C-N	13.54	1.52	1.33
1	5E	7	GLN	C-N	13.54	1.52	1.33
1	5I	7	GLN	C-N	13.54	1.52	1.33
1	5M	7	GLN	C-N	13.54	1.52	1.33
1	62	7	GLN	C-N	13.54	1.52	1.33
1	66	7	GLN	C-N	13.54	1.52	1.33
1	7A	7	GLN	C-N	13.54	1.52	1.33
1	1A	80	PHE	CA-C	13.54	1.71	1.52
1	1I	80	PHE	CA-C	13.54	1.71	1.52
2	13	209	LEU	C-O	13.54	1.41	1.24
2	17	209	LEU	C-O	13.54	1.41	1.24
2	2B	209	LEU	C-O	13.54	1.41	1.24
1	2E	80	PHE	CA-C	13.54	1.71	1.52
1	26	80	PHE	CA-C	13.54	1.71	1.52
1	3E	80	PHE	CA-C	13.54	1.71	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3R	209	LEU	C-O	13.54	1.41	1.24
2	3V	209	LEU	C-O	13.54	1.41	1.24
2	3Z	209	LEU	C-O	13.54	1.41	1.24
1	4A	80	PHE	CA-C	13.54	1.71	1.52
1	4M	80	PHE	CA-C	13.54	1.71	1.52
1	4U	80	PHE	CA-C	13.54	1.71	1.52
2	5F	209	LEU	C-O	13.54	1.41	1.24
2	5J	209	LEU	C-O	13.54	1.41	1.24
2	5N	209	LEU	C-O	13.54	1.41	1.24
1	5Q	80	PHE	CA-C	13.54	1.71	1.52
1	6I	80	PHE	CA-C	13.54	1.71	1.52
1	6Q	80	PHE	CA-C	13.54	1.71	1.52
2	63	209	LEU	C-O	13.54	1.41	1.24
2	67	209	LEU	C-O	13.54	1.41	1.24
2	7B	209	LEU	C-O	13.54	1.41	1.24
1	7M	80	PHE	CA-C	13.54	1.71	1.52
1	1Q	7	GLN	C-N	13.53	1.52	1.33
1	1U	7	GLN	C-N	13.53	1.52	1.33
1	1Y	7	GLN	C-N	13.53	1.52	1.33
1	12	80	PHE	CA-C	13.53	1.71	1.52
1	16	80	PHE	CA-C	13.53	1.71	1.52
1	2A	80	PHE	CA-C	13.53	1.71	1.52
1	2Q	7	GLN	C-N	13.53	1.52	1.33
1	2U	7	GLN	C-N	13.53	1.52	1.33
1	2Y	7	GLN	C-N	13.53	1.52	1.33
1	3Q	80	PHE	CA-C	13.53	1.71	1.52
1	3U	80	PHE	CA-C	13.53	1.71	1.52
1	3Y	80	PHE	CA-C	13.53	1.71	1.52
1	42	7	GLN	C-N	13.53	1.52	1.33
1	46	7	GLN	C-N	13.53	1.52	1.33
1	5A	7	GLN	C-N	13.53	1.52	1.33
1	5E	80	PHE	CA-C	13.53	1.71	1.52
1	5I	80	PHE	CA-C	13.53	1.71	1.52
1	5M	80	PHE	CA-C	13.53	1.71	1.52
1	52	7	GLN	C-N	13.53	1.52	1.33
1	56	7	GLN	C-N	13.53	1.52	1.33
1	6A	7	GLN	C-N	13.53	1.52	1.33
1	62	80	PHE	CA-C	13.53	1.71	1.52
1	66	80	PHE	CA-C	13.53	1.71	1.52
1	7A	80	PHE	CA-C	13.53	1.71	1.52
1	1E	80	PHE	CA-C	13.53	1.71	1.52
1	2M	80	PHE	CA-C	13.53	1.71	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	80	PHE	CA-C	13.53	1.71	1.52
1	3M	80	PHE	CA-C	13.53	1.71	1.52
1	36	80	PHE	CA-C	13.53	1.71	1.52
1	4I	80	PHE	CA-C	13.53	1.71	1.52
1	4Q	80	PHE	CA-C	13.53	1.71	1.52
1	5Y	80	PHE	CA-C	13.53	1.71	1.52
1	6E	80	PHE	CA-C	13.53	1.71	1.52
1	6Y	80	PHE	CA-C	13.53	1.71	1.52
1	7I	80	PHE	CA-C	13.53	1.71	1.52
1	7U	80	PHE	CA-C	13.53	1.71	1.52
1	1E	7	GLN	C-N	13.53	1.52	1.33
1	2M	7	GLN	C-N	13.53	1.52	1.33
1	22	7	GLN	C-N	13.53	1.52	1.33
1	3M	7	GLN	C-N	13.53	1.52	1.33
1	36	7	GLN	C-N	13.53	1.52	1.33
1	4I	7	GLN	C-N	13.53	1.52	1.33
1	4Q	7	GLN	C-N	13.53	1.52	1.33
1	5Y	7	GLN	C-N	13.53	1.52	1.33
1	6E	7	GLN	C-N	13.53	1.52	1.33
1	6Y	7	GLN	C-N	13.53	1.52	1.33
1	7I	7	GLN	C-N	13.53	1.52	1.33
1	7U	7	GLN	C-N	13.53	1.52	1.33
2	1R	209	LEU	C-O	13.52	1.41	1.24
2	1V	209	LEU	C-O	13.52	1.41	1.24
2	1Z	209	LEU	C-O	13.52	1.41	1.24
2	2R	209	LEU	C-O	13.52	1.41	1.24
2	2V	209	LEU	C-O	13.52	1.41	1.24
2	2Z	209	LEU	C-O	13.52	1.41	1.24
2	43	209	LEU	C-O	13.52	1.41	1.24
2	47	209	LEU	C-O	13.52	1.41	1.24
2	5B	209	LEU	C-O	13.52	1.41	1.24
2	53	209	LEU	C-O	13.52	1.41	1.24
2	57	209	LEU	C-O	13.52	1.41	1.24
2	6B	209	LEU	C-O	13.52	1.41	1.24
2	1B	209	LEU	C-O	13.52	1.41	1.24
2	1J	209	LEU	C-O	13.52	1.41	1.24
2	2F	209	LEU	C-O	13.52	1.41	1.24
2	27	209	LEU	C-O	13.52	1.41	1.24
2	3F	209	LEU	C-O	13.52	1.41	1.24
2	4B	209	LEU	C-O	13.52	1.41	1.24
2	4N	209	LEU	C-O	13.52	1.41	1.24
2	4V	209	LEU	C-O	13.52	1.41	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	209	LEU	C-O	13.52	1.41	1.24
2	6J	209	LEU	C-O	13.52	1.41	1.24
2	6R	209	LEU	C-O	13.52	1.41	1.24
2	7N	209	LEU	C-O	13.52	1.41	1.24
2	1N	107	PHE	CD2-CE2	13.51	1.79	1.38
2	2J	107	PHE	CD2-CE2	13.51	1.79	1.38
2	3B	107	PHE	CD2-CE2	13.51	1.79	1.38
2	3J	107	PHE	CD2-CE2	13.51	1.79	1.38
2	33	107	PHE	CD2-CE2	13.51	1.79	1.38
2	4F	107	PHE	CD2-CE2	13.51	1.79	1.38
2	4Z	107	PHE	CD2-CE2	13.51	1.79	1.38
2	5V	107	PHE	CD2-CE2	13.51	1.79	1.38
2	6N	107	PHE	CD2-CE2	13.51	1.79	1.38
2	6V	107	PHE	CD2-CE2	13.51	1.79	1.38
2	7F	107	PHE	CD2-CE2	13.51	1.79	1.38
2	7R	107	PHE	CD2-CE2	13.51	1.79	1.38
2	1R	107	PHE	CD2-CE2	13.51	1.79	1.38
2	1V	107	PHE	CD2-CE2	13.51	1.79	1.38
2	1Z	107	PHE	CD2-CE2	13.51	1.79	1.38
2	2R	107	PHE	CD2-CE2	13.51	1.79	1.38
2	2V	107	PHE	CD2-CE2	13.51	1.79	1.38
2	2Z	107	PHE	CD2-CE2	13.51	1.79	1.38
2	43	107	PHE	CD2-CE2	13.51	1.79	1.38
2	47	107	PHE	CD2-CE2	13.51	1.79	1.38
2	5B	107	PHE	CD2-CE2	13.51	1.79	1.38
2	53	107	PHE	CD2-CE2	13.51	1.79	1.38
2	57	107	PHE	CD2-CE2	13.51	1.79	1.38
2	6B	107	PHE	CD2-CE2	13.51	1.79	1.38
2	1B	107	PHE	CD2-CE2	13.50	1.79	1.38
2	1F	209	LEU	C-O	13.50	1.41	1.24
2	1J	107	PHE	CD2-CE2	13.50	1.79	1.38
2	2F	107	PHE	CD2-CE2	13.50	1.79	1.38
2	2N	209	LEU	C-O	13.50	1.41	1.24
2	23	209	LEU	C-O	13.50	1.41	1.24
2	27	107	PHE	CD2-CE2	13.50	1.79	1.38
2	3F	107	PHE	CD2-CE2	13.50	1.79	1.38
2	3N	209	LEU	C-O	13.50	1.41	1.24
2	37	209	LEU	C-O	13.50	1.41	1.24
2	4B	107	PHE	CD2-CE2	13.50	1.79	1.38
2	4J	209	LEU	C-O	13.50	1.41	1.24
2	4N	107	PHE	CD2-CE2	13.50	1.79	1.38
2	4R	209	LEU	C-O	13.50	1.41	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4V	107	PHE	CD2-CE2	13.50	1.79	1.38
2	5R	107	PHE	CD2-CE2	13.50	1.79	1.38
2	5Z	209	LEU	C-O	13.50	1.41	1.24
2	6F	209	LEU	C-O	13.50	1.41	1.24
2	6J	107	PHE	CD2-CE2	13.50	1.79	1.38
2	6R	107	PHE	CD2-CE2	13.50	1.79	1.38
2	6Z	209	LEU	C-O	13.50	1.41	1.24
2	7J	209	LEU	C-O	13.50	1.41	1.24
2	7N	107	PHE	CD2-CE2	13.50	1.79	1.38
2	7V	209	LEU	C-O	13.50	1.41	1.24
2	13	107	PHE	CD2-CE2	13.49	1.79	1.38
2	17	107	PHE	CD2-CE2	13.49	1.79	1.38
2	2B	107	PHE	CD2-CE2	13.49	1.79	1.38
2	3R	107	PHE	CD2-CE2	13.49	1.79	1.38
2	3V	107	PHE	CD2-CE2	13.49	1.79	1.38
2	3Z	107	PHE	CD2-CE2	13.49	1.79	1.38
2	5F	107	PHE	CD2-CE2	13.49	1.79	1.38
2	5J	107	PHE	CD2-CE2	13.49	1.79	1.38
2	5N	107	PHE	CD2-CE2	13.49	1.79	1.38
2	63	107	PHE	CD2-CE2	13.49	1.79	1.38
2	67	107	PHE	CD2-CE2	13.49	1.79	1.38
2	7B	107	PHE	CD2-CE2	13.49	1.79	1.38
2	1F	216	ASN	N-CA	13.49	1.70	1.45
2	2N	216	ASN	N-CA	13.49	1.70	1.45
2	23	216	ASN	N-CA	13.49	1.70	1.45
2	3N	216	ASN	N-CA	13.49	1.70	1.45
2	37	216	ASN	N-CA	13.49	1.70	1.45
2	4J	216	ASN	N-CA	13.49	1.70	1.45
2	4R	216	ASN	N-CA	13.49	1.70	1.45
2	5Z	216	ASN	N-CA	13.49	1.70	1.45
2	6F	216	ASN	N-CA	13.49	1.70	1.45
2	6Z	216	ASN	N-CA	13.49	1.70	1.45
2	7J	216	ASN	N-CA	13.49	1.70	1.45
2	7V	216	ASN	N-CA	13.49	1.70	1.45
2	1F	107	PHE	CD2-CE2	13.49	1.79	1.38
2	1R	216	ASN	N-CA	13.49	1.70	1.45
2	1V	216	ASN	N-CA	13.49	1.70	1.45
2	1Z	216	ASN	N-CA	13.49	1.70	1.45
2	2N	107	PHE	CD2-CE2	13.49	1.79	1.38
2	2R	216	ASN	N-CA	13.49	1.70	1.45
2	2V	216	ASN	N-CA	13.49	1.70	1.45
2	2Z	216	ASN	N-CA	13.49	1.70	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	107	PHE	CD2-CE2	13.49	1.79	1.38
2	3N	107	PHE	CD2-CE2	13.49	1.79	1.38
2	37	107	PHE	CD2-CE2	13.49	1.79	1.38
2	4J	107	PHE	CD2-CE2	13.49	1.79	1.38
2	4R	107	PHE	CD2-CE2	13.49	1.79	1.38
2	43	216	ASN	N-CA	13.49	1.70	1.45
2	47	216	ASN	N-CA	13.49	1.70	1.45
2	5B	216	ASN	N-CA	13.49	1.70	1.45
2	5Z	107	PHE	CD2-CE2	13.49	1.79	1.38
2	53	216	ASN	N-CA	13.49	1.70	1.45
2	57	216	ASN	N-CA	13.49	1.70	1.45
2	6B	216	ASN	N-CA	13.49	1.70	1.45
2	6F	107	PHE	CD2-CE2	13.49	1.79	1.38
2	6Z	107	PHE	CD2-CE2	13.49	1.79	1.38
2	7J	107	PHE	CD2-CE2	13.49	1.79	1.38
2	7V	107	PHE	CD2-CE2	13.49	1.79	1.38
2	1N	209	LEU	C-O	13.48	1.41	1.24
2	2J	209	LEU	C-O	13.48	1.41	1.24
2	3B	209	LEU	C-O	13.48	1.41	1.24
2	3J	209	LEU	C-O	13.48	1.41	1.24
2	33	209	LEU	C-O	13.48	1.41	1.24
2	4F	209	LEU	C-O	13.48	1.41	1.24
2	4Z	209	LEU	C-O	13.48	1.41	1.24
2	5V	209	LEU	C-O	13.48	1.41	1.24
2	6N	209	LEU	C-O	13.48	1.41	1.24
2	6V	209	LEU	C-O	13.48	1.41	1.24
2	7F	209	LEU	C-O	13.48	1.41	1.24
2	7R	209	LEU	C-O	13.48	1.41	1.24
2	1B	216	ASN	N-CA	13.45	1.70	1.45
2	1J	216	ASN	N-CA	13.45	1.70	1.45
2	2F	216	ASN	N-CA	13.45	1.70	1.45
2	27	216	ASN	N-CA	13.45	1.70	1.45
2	3F	216	ASN	N-CA	13.45	1.70	1.45
2	4B	216	ASN	N-CA	13.45	1.70	1.45
2	4N	216	ASN	N-CA	13.45	1.70	1.45
2	4V	216	ASN	N-CA	13.45	1.70	1.45
2	5R	216	ASN	N-CA	13.45	1.70	1.45
2	6J	216	ASN	N-CA	13.45	1.70	1.45
2	6R	216	ASN	N-CA	13.45	1.70	1.45
2	7N	216	ASN	N-CA	13.45	1.70	1.45
2	13	216	ASN	N-CA	13.45	1.69	1.45
2	17	216	ASN	N-CA	13.45	1.69	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	216	ASN	N-CA	13.45	1.69	1.45
2	3R	216	ASN	N-CA	13.45	1.69	1.45
2	3V	216	ASN	N-CA	13.45	1.69	1.45
2	3Z	216	ASN	N-CA	13.45	1.69	1.45
2	5F	216	ASN	N-CA	13.45	1.69	1.45
2	5J	216	ASN	N-CA	13.45	1.69	1.45
2	5N	216	ASN	N-CA	13.45	1.69	1.45
2	63	216	ASN	N-CA	13.45	1.69	1.45
2	67	216	ASN	N-CA	13.45	1.69	1.45
2	7B	216	ASN	N-CA	13.45	1.69	1.45
2	1N	216	ASN	N-CA	13.44	1.69	1.45
2	2J	216	ASN	N-CA	13.44	1.69	1.45
2	3B	216	ASN	N-CA	13.44	1.69	1.45
2	3J	216	ASN	N-CA	13.44	1.69	1.45
2	33	216	ASN	N-CA	13.44	1.69	1.45
2	4F	216	ASN	N-CA	13.44	1.69	1.45
2	4Z	216	ASN	N-CA	13.44	1.69	1.45
2	5V	216	ASN	N-CA	13.44	1.69	1.45
2	6N	216	ASN	N-CA	13.44	1.69	1.45
2	6V	216	ASN	N-CA	13.44	1.69	1.45
2	7F	216	ASN	N-CA	13.44	1.69	1.45
2	7R	216	ASN	N-CA	13.44	1.69	1.45
2	1B	24	PRO	CG-CD	13.41	1.96	1.50
2	1J	24	PRO	CG-CD	13.41	1.96	1.50
2	1R	24	PRO	CG-CD	13.41	1.96	1.50
2	1V	24	PRO	CG-CD	13.41	1.96	1.50
2	1Z	24	PRO	CG-CD	13.41	1.96	1.50
2	2F	24	PRO	CG-CD	13.41	1.96	1.50
2	2R	24	PRO	CG-CD	13.41	1.96	1.50
2	2V	24	PRO	CG-CD	13.41	1.96	1.50
2	2Z	24	PRO	CG-CD	13.41	1.96	1.50
2	27	24	PRO	CG-CD	13.41	1.96	1.50
2	3F	24	PRO	CG-CD	13.41	1.96	1.50
2	4B	24	PRO	CG-CD	13.41	1.96	1.50
2	4N	24	PRO	CG-CD	13.41	1.96	1.50
2	4V	24	PRO	CG-CD	13.41	1.96	1.50
2	43	24	PRO	CG-CD	13.41	1.96	1.50
2	47	24	PRO	CG-CD	13.41	1.96	1.50
2	5B	24	PRO	CG-CD	13.41	1.96	1.50
2	5R	24	PRO	CG-CD	13.41	1.96	1.50
2	53	24	PRO	CG-CD	13.41	1.96	1.50
2	57	24	PRO	CG-CD	13.41	1.96	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	24	PRO	CG-CD	13.41	1.96	1.50
2	6J	24	PRO	CG-CD	13.41	1.96	1.50
2	6R	24	PRO	CG-CD	13.41	1.96	1.50
2	7N	24	PRO	CG-CD	13.41	1.96	1.50
2	1F	24	PRO	CG-CD	13.40	1.96	1.50
2	13	24	PRO	CG-CD	13.40	1.96	1.50
2	17	24	PRO	CG-CD	13.40	1.96	1.50
2	2B	24	PRO	CG-CD	13.40	1.96	1.50
2	2N	24	PRO	CG-CD	13.40	1.96	1.50
2	23	24	PRO	CG-CD	13.40	1.96	1.50
2	3N	24	PRO	CG-CD	13.40	1.96	1.50
2	3R	24	PRO	CG-CD	13.40	1.96	1.50
2	3V	24	PRO	CG-CD	13.40	1.96	1.50
2	3Z	24	PRO	CG-CD	13.40	1.96	1.50
2	37	24	PRO	CG-CD	13.40	1.96	1.50
2	4J	24	PRO	CG-CD	13.40	1.96	1.50
2	4R	24	PRO	CG-CD	13.40	1.96	1.50
2	5F	24	PRO	CG-CD	13.40	1.96	1.50
2	5J	24	PRO	CG-CD	13.40	1.96	1.50
2	5N	24	PRO	CG-CD	13.40	1.96	1.50
2	5Z	24	PRO	CG-CD	13.40	1.96	1.50
2	6F	24	PRO	CG-CD	13.40	1.96	1.50
2	6Z	24	PRO	CG-CD	13.40	1.96	1.50
2	63	24	PRO	CG-CD	13.40	1.96	1.50
2	67	24	PRO	CG-CD	13.40	1.96	1.50
2	7B	24	PRO	CG-CD	13.40	1.96	1.50
2	7J	24	PRO	CG-CD	13.40	1.96	1.50
2	7V	24	PRO	CG-CD	13.40	1.96	1.50
1	1A	180	VAL	C-O	-13.39	1.08	1.24
1	1I	180	VAL	C-O	-13.39	1.08	1.24
1	2E	180	VAL	C-O	-13.39	1.08	1.24
1	26	180	VAL	C-O	-13.39	1.08	1.24
1	3E	180	VAL	C-O	-13.39	1.08	1.24
1	4A	180	VAL	C-O	-13.39	1.08	1.24
1	4M	180	VAL	C-O	-13.39	1.08	1.24
1	4U	180	VAL	C-O	-13.39	1.08	1.24
1	5Q	180	VAL	C-O	-13.39	1.08	1.24
1	6I	180	VAL	C-O	-13.39	1.08	1.24
1	6Q	180	VAL	C-O	-13.39	1.08	1.24
1	7M	180	VAL	C-O	-13.39	1.08	1.24
2	1F	59	VAL	C-O	13.38	1.42	1.24
2	1N	24	PRO	CG-CD	13.38	1.96	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2J	24	PRO	CG-CD	13.38	1.96	1.50
2	2N	59	VAL	C-O	13.38	1.42	1.24
2	23	59	VAL	C-O	13.38	1.42	1.24
2	3B	24	PRO	CG-CD	13.38	1.96	1.50
2	3J	24	PRO	CG-CD	13.38	1.96	1.50
2	3N	59	VAL	C-O	13.38	1.42	1.24
2	33	24	PRO	CG-CD	13.38	1.96	1.50
2	37	59	VAL	C-O	13.38	1.42	1.24
2	4F	24	PRO	CG-CD	13.38	1.96	1.50
2	4J	59	VAL	C-O	13.38	1.42	1.24
2	4R	59	VAL	C-O	13.38	1.42	1.24
2	4Z	24	PRO	CG-CD	13.38	1.96	1.50
2	5V	24	PRO	CG-CD	13.38	1.96	1.50
2	5Z	59	VAL	C-O	13.38	1.42	1.24
2	6F	59	VAL	C-O	13.38	1.42	1.24
2	6N	24	PRO	CG-CD	13.38	1.96	1.50
2	6V	24	PRO	CG-CD	13.38	1.96	1.50
2	6Z	59	VAL	C-O	13.38	1.42	1.24
2	7F	24	PRO	CG-CD	13.38	1.96	1.50
2	7J	59	VAL	C-O	13.38	1.42	1.24
2	7R	24	PRO	CG-CD	13.38	1.96	1.50
2	7V	59	VAL	C-O	13.38	1.42	1.24
1	1E	180	VAL	C-O	-13.38	1.08	1.24
1	2M	180	VAL	C-O	-13.38	1.08	1.24
1	22	180	VAL	C-O	-13.38	1.08	1.24
1	3M	180	VAL	C-O	-13.38	1.08	1.24
1	36	180	VAL	C-O	-13.38	1.08	1.24
1	4I	180	VAL	C-O	-13.38	1.08	1.24
1	4Q	180	VAL	C-O	-13.38	1.08	1.24
1	5Y	180	VAL	C-O	-13.38	1.08	1.24
1	6E	180	VAL	C-O	-13.38	1.08	1.24
1	6Y	180	VAL	C-O	-13.38	1.08	1.24
1	7I	180	VAL	C-O	-13.38	1.08	1.24
1	7U	180	VAL	C-O	-13.38	1.08	1.24
1	1M	180	VAL	C-O	-13.38	1.08	1.24
1	2I	180	VAL	C-O	-13.38	1.08	1.24
1	3A	180	VAL	C-O	-13.38	1.08	1.24
1	3I	180	VAL	C-O	-13.38	1.08	1.24
1	32	180	VAL	C-O	-13.38	1.08	1.24
1	4E	180	VAL	C-O	-13.38	1.08	1.24
1	4Y	180	VAL	C-O	-13.38	1.08	1.24
1	5U	180	VAL	C-O	-13.38	1.08	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	180	VAL	C-O	-13.38	1.08	1.24
1	6U	180	VAL	C-O	-13.38	1.08	1.24
1	7E	180	VAL	C-O	-13.38	1.08	1.24
1	7Q	180	VAL	C-O	-13.38	1.08	1.24
1	1M	97	SER	C-N	13.37	1.52	1.33
1	2I	97	SER	C-N	13.37	1.52	1.33
1	3A	97	SER	C-N	13.37	1.52	1.33
1	3I	97	SER	C-N	13.37	1.52	1.33
1	32	97	SER	C-N	13.37	1.52	1.33
1	4E	97	SER	C-N	13.37	1.52	1.33
1	4Y	97	SER	C-N	13.37	1.52	1.33
1	5U	97	SER	C-N	13.37	1.52	1.33
1	6M	97	SER	C-N	13.37	1.52	1.33
1	6U	97	SER	C-N	13.37	1.52	1.33
1	7E	97	SER	C-N	13.37	1.52	1.33
1	7Q	97	SER	C-N	13.37	1.52	1.33
1	1A	97	SER	C-N	13.37	1.52	1.33
1	1I	97	SER	C-N	13.37	1.52	1.33
1	26	97	SER	C-N	13.37	1.52	1.33
1	1Q	97	SER	C-N	13.37	1.52	1.33
1	1U	97	SER	C-N	13.37	1.52	1.33
1	1Y	97	SER	C-N	13.37	1.52	1.33
1	12	180	VAL	C-O	-13.37	1.08	1.24
1	16	180	VAL	C-O	-13.37	1.08	1.24
1	2A	180	VAL	C-O	-13.37	1.08	1.24
1	2E	97	SER	C-N	13.37	1.52	1.33
1	3E	97	SER	C-N	13.37	1.52	1.33
1	2Q	97	SER	C-N	13.37	1.52	1.33
1	2U	97	SER	C-N	13.37	1.52	1.33
1	2Y	97	SER	C-N	13.37	1.52	1.33
1	3Q	180	VAL	C-O	-13.37	1.08	1.24
1	3U	180	VAL	C-O	-13.37	1.08	1.24
1	3Y	180	VAL	C-O	-13.37	1.08	1.24
1	4A	97	SER	C-N	13.37	1.52	1.33
1	4M	97	SER	C-N	13.37	1.52	1.33
1	4U	97	SER	C-N	13.37	1.52	1.33
1	5Q	97	SER	C-N	13.37	1.52	1.33
1	42	97	SER	C-N	13.37	1.52	1.33
1	46	97	SER	C-N	13.37	1.52	1.33
1	5A	97	SER	C-N	13.37	1.52	1.33
1	5E	180	VAL	C-O	-13.37	1.08	1.24
1	5I	180	VAL	C-O	-13.37	1.08	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	180	VAL	C-O	-13.37	1.08	1.24
1	6I	97	SER	C-N	13.37	1.52	1.33
1	6Q	97	SER	C-N	13.37	1.52	1.33
1	52	97	SER	C-N	13.37	1.52	1.33
1	56	97	SER	C-N	13.37	1.52	1.33
1	6A	97	SER	C-N	13.37	1.52	1.33
1	62	180	VAL	C-O	-13.37	1.08	1.24
1	66	180	VAL	C-O	-13.37	1.08	1.24
1	7A	180	VAL	C-O	-13.37	1.08	1.24
1	7M	97	SER	C-N	13.37	1.52	1.33
1	1E	97	SER	C-N	13.36	1.52	1.33
1	12	97	SER	C-N	13.36	1.52	1.33
1	16	97	SER	C-N	13.36	1.52	1.33
1	2A	97	SER	C-N	13.36	1.52	1.33
1	2M	97	SER	C-N	13.36	1.52	1.33
1	22	97	SER	C-N	13.36	1.52	1.33
1	3M	97	SER	C-N	13.36	1.52	1.33
1	3Q	97	SER	C-N	13.36	1.52	1.33
1	3U	97	SER	C-N	13.36	1.52	1.33
1	3Y	97	SER	C-N	13.36	1.52	1.33
1	36	97	SER	C-N	13.36	1.52	1.33
1	4I	97	SER	C-N	13.36	1.52	1.33
1	4Q	97	SER	C-N	13.36	1.52	1.33
1	5E	97	SER	C-N	13.36	1.52	1.33
1	5I	97	SER	C-N	13.36	1.52	1.33
1	5M	97	SER	C-N	13.36	1.52	1.33
1	5Y	97	SER	C-N	13.36	1.52	1.33
1	6E	97	SER	C-N	13.36	1.52	1.33
1	6Y	97	SER	C-N	13.36	1.52	1.33
1	62	97	SER	C-N	13.36	1.52	1.33
1	66	97	SER	C-N	13.36	1.52	1.33
1	7A	97	SER	C-N	13.36	1.52	1.33
1	7I	97	SER	C-N	13.36	1.52	1.33
1	7U	97	SER	C-N	13.36	1.52	1.33
2	1R	207	GLY	C-N	-13.36	1.12	1.33
2	1V	207	GLY	C-N	-13.36	1.12	1.33
2	1Z	207	GLY	C-N	-13.36	1.12	1.33
2	2R	207	GLY	C-N	-13.36	1.12	1.33
2	2V	207	GLY	C-N	-13.36	1.12	1.33
2	2Z	207	GLY	C-N	-13.36	1.12	1.33
2	43	207	GLY	C-N	-13.36	1.12	1.33
2	47	207	GLY	C-N	-13.36	1.12	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	207	GLY	C-N	-13.36	1.12	1.33
2	53	207	GLY	C-N	-13.36	1.12	1.33
2	57	207	GLY	C-N	-13.36	1.12	1.33
2	6B	207	GLY	C-N	-13.36	1.12	1.33
1	1Q	180	VAL	C-O	-13.35	1.08	1.24
2	1R	59	VAL	C-O	13.35	1.42	1.24
1	1U	180	VAL	C-O	-13.35	1.08	1.24
2	1V	59	VAL	C-O	13.35	1.42	1.24
1	1Y	180	VAL	C-O	-13.35	1.08	1.24
2	1Z	59	VAL	C-O	13.35	1.42	1.24
1	2Q	180	VAL	C-O	-13.35	1.08	1.24
2	2R	59	VAL	C-O	13.35	1.42	1.24
1	2U	180	VAL	C-O	-13.35	1.08	1.24
2	2V	59	VAL	C-O	13.35	1.42	1.24
1	2Y	180	VAL	C-O	-13.35	1.08	1.24
2	2Z	59	VAL	C-O	13.35	1.42	1.24
1	42	180	VAL	C-O	-13.35	1.08	1.24
2	43	59	VAL	C-O	13.35	1.42	1.24
1	46	180	VAL	C-O	-13.35	1.08	1.24
2	47	59	VAL	C-O	13.35	1.42	1.24
1	5A	180	VAL	C-O	-13.35	1.08	1.24
2	5B	59	VAL	C-O	13.35	1.42	1.24
1	52	180	VAL	C-O	-13.35	1.08	1.24
2	53	59	VAL	C-O	13.35	1.42	1.24
1	56	180	VAL	C-O	-13.35	1.08	1.24
2	57	59	VAL	C-O	13.35	1.42	1.24
1	6A	180	VAL	C-O	-13.35	1.08	1.24
2	6B	59	VAL	C-O	13.35	1.42	1.24
2	1N	207	GLY	C-N	-13.34	1.12	1.33
2	2J	207	GLY	C-N	-13.34	1.12	1.33
2	3B	207	GLY	C-N	-13.34	1.12	1.33
2	3J	207	GLY	C-N	-13.34	1.12	1.33
2	33	207	GLY	C-N	-13.34	1.12	1.33
2	4F	207	GLY	C-N	-13.34	1.12	1.33
2	4Z	207	GLY	C-N	-13.34	1.12	1.33
2	5V	207	GLY	C-N	-13.34	1.12	1.33
2	6N	207	GLY	C-N	-13.34	1.12	1.33
2	6V	207	GLY	C-N	-13.34	1.12	1.33
2	7F	207	GLY	C-N	-13.34	1.12	1.33
2	7R	207	GLY	C-N	-13.34	1.12	1.33
2	1N	59	VAL	C-O	13.34	1.42	1.24
2	2J	59	VAL	C-O	13.34	1.42	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	59	VAL	C-O	13.34	1.42	1.24
2	3J	59	VAL	C-O	13.34	1.42	1.24
2	33	59	VAL	C-O	13.34	1.42	1.24
2	4F	59	VAL	C-O	13.34	1.42	1.24
2	4Z	59	VAL	C-O	13.34	1.42	1.24
2	5V	59	VAL	C-O	13.34	1.42	1.24
2	6N	59	VAL	C-O	13.34	1.42	1.24
2	6V	59	VAL	C-O	13.34	1.42	1.24
2	7F	59	VAL	C-O	13.34	1.42	1.24
2	7R	59	VAL	C-O	13.34	1.42	1.24
2	1B	59	VAL	C-O	13.34	1.42	1.24
2	1J	59	VAL	C-O	13.34	1.42	1.24
2	2F	59	VAL	C-O	13.34	1.42	1.24
2	27	59	VAL	C-O	13.34	1.42	1.24
2	3F	59	VAL	C-O	13.34	1.42	1.24
2	4B	59	VAL	C-O	13.34	1.42	1.24
2	4N	59	VAL	C-O	13.34	1.42	1.24
2	4V	59	VAL	C-O	13.34	1.42	1.24
2	5R	59	VAL	C-O	13.34	1.42	1.24
2	6J	59	VAL	C-O	13.34	1.42	1.24
2	6R	59	VAL	C-O	13.34	1.42	1.24
2	7N	59	VAL	C-O	13.34	1.42	1.24
1	12	170	ALA	CA-C	13.32	1.71	1.52
1	12	171	ARG	CA-CB	-13.32	1.33	1.53
1	16	170	ALA	CA-C	13.32	1.71	1.52
1	16	171	ARG	CA-CB	-13.32	1.33	1.53
1	2A	170	ALA	CA-C	13.32	1.71	1.52
1	2A	171	ARG	CA-CB	-13.32	1.33	1.53
1	3Q	170	ALA	CA-C	13.32	1.71	1.52
1	3Q	171	ARG	CA-CB	-13.32	1.33	1.53
1	3U	170	ALA	CA-C	13.32	1.71	1.52
1	3U	171	ARG	CA-CB	-13.32	1.33	1.53
1	3Y	170	ALA	CA-C	13.32	1.71	1.52
1	3Y	171	ARG	CA-CB	-13.32	1.33	1.53
1	5E	170	ALA	CA-C	13.32	1.71	1.52
1	5E	171	ARG	CA-CB	-13.32	1.33	1.53
1	5I	170	ALA	CA-C	13.32	1.71	1.52
1	5I	171	ARG	CA-CB	-13.32	1.33	1.53
1	5M	170	ALA	CA-C	13.32	1.71	1.52
1	5M	171	ARG	CA-CB	-13.32	1.33	1.53
1	62	170	ALA	CA-C	13.32	1.71	1.52
1	62	171	ARG	CA-CB	-13.32	1.33	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	170	ALA	CA-C	13.32	1.71	1.52
1	66	171	ARG	CA-CB	-13.32	1.33	1.53
1	7A	170	ALA	CA-C	13.32	1.71	1.52
1	7A	171	ARG	CA-CB	-13.32	1.33	1.53
1	1Q	170	ALA	CA-C	13.32	1.71	1.52
1	1Q	171	ARG	CA-CB	-13.32	1.33	1.53
1	1U	170	ALA	CA-C	13.32	1.71	1.52
1	1U	171	ARG	CA-CB	-13.32	1.33	1.53
1	1Y	170	ALA	CA-C	13.32	1.71	1.52
1	1Y	171	ARG	CA-CB	-13.32	1.33	1.53
1	2Q	170	ALA	CA-C	13.32	1.71	1.52
1	2Q	171	ARG	CA-CB	-13.32	1.33	1.53
1	2U	170	ALA	CA-C	13.32	1.71	1.52
1	2U	171	ARG	CA-CB	-13.32	1.33	1.53
1	2Y	170	ALA	CA-C	13.32	1.71	1.52
1	2Y	171	ARG	CA-CB	-13.32	1.33	1.53
1	42	170	ALA	CA-C	13.32	1.71	1.52
1	42	171	ARG	CA-CB	-13.32	1.33	1.53
1	46	170	ALA	CA-C	13.32	1.71	1.52
1	46	171	ARG	CA-CB	-13.32	1.33	1.53
1	5A	170	ALA	CA-C	13.32	1.71	1.52
1	5A	171	ARG	CA-CB	-13.32	1.33	1.53
1	52	170	ALA	CA-C	13.32	1.71	1.52
1	52	171	ARG	CA-CB	-13.32	1.33	1.53
1	56	170	ALA	CA-C	13.32	1.71	1.52
1	56	171	ARG	CA-CB	-13.32	1.33	1.53
1	6A	170	ALA	CA-C	13.32	1.71	1.52
1	6A	171	ARG	CA-CB	-13.32	1.33	1.53
2	13	207	GLY	C-N	-13.32	1.12	1.33
2	17	207	GLY	C-N	-13.32	1.12	1.33
2	2B	207	GLY	C-N	-13.32	1.12	1.33
2	3R	207	GLY	C-N	-13.32	1.12	1.33
2	3V	207	GLY	C-N	-13.32	1.12	1.33
2	3Z	207	GLY	C-N	-13.32	1.12	1.33
2	5F	207	GLY	C-N	-13.32	1.12	1.33
2	5J	207	GLY	C-N	-13.32	1.12	1.33
2	5N	207	GLY	C-N	-13.32	1.12	1.33
2	63	207	GLY	C-N	-13.32	1.12	1.33
2	67	207	GLY	C-N	-13.32	1.12	1.33
2	7B	207	GLY	C-N	-13.32	1.12	1.33
1	1A	170	ALA	CA-C	13.31	1.71	1.52
1	1I	170	ALA	CA-C	13.31	1.71	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	170	ALA	CA-C	13.31	1.71	1.52
1	26	170	ALA	CA-C	13.31	1.71	1.52
1	3E	170	ALA	CA-C	13.31	1.71	1.52
1	4A	170	ALA	CA-C	13.31	1.71	1.52
1	4M	170	ALA	CA-C	13.31	1.71	1.52
1	4U	170	ALA	CA-C	13.31	1.71	1.52
1	5Q	170	ALA	CA-C	13.31	1.71	1.52
1	6I	170	ALA	CA-C	13.31	1.71	1.52
1	6Q	170	ALA	CA-C	13.31	1.71	1.52
1	7M	170	ALA	CA-C	13.31	1.71	1.52
2	1B	207	GLY	C-N	-13.31	1.12	1.33
2	1J	207	GLY	C-N	-13.31	1.12	1.33
2	2F	207	GLY	C-N	-13.31	1.12	1.33
2	27	207	GLY	C-N	-13.31	1.12	1.33
2	3F	207	GLY	C-N	-13.31	1.12	1.33
2	4B	207	GLY	C-N	-13.31	1.12	1.33
2	4N	207	GLY	C-N	-13.31	1.12	1.33
2	4V	207	GLY	C-N	-13.31	1.12	1.33
2	5R	207	GLY	C-N	-13.31	1.12	1.33
2	6J	207	GLY	C-N	-13.31	1.12	1.33
2	6R	207	GLY	C-N	-13.31	1.12	1.33
2	7N	207	GLY	C-N	-13.31	1.12	1.33
1	1M	171	ARG	CA-CB	-13.31	1.33	1.53
1	2I	171	ARG	CA-CB	-13.31	1.33	1.53
1	3A	171	ARG	CA-CB	-13.31	1.33	1.53
1	3I	171	ARG	CA-CB	-13.31	1.33	1.53
1	32	171	ARG	CA-CB	-13.31	1.33	1.53
1	4E	171	ARG	CA-CB	-13.31	1.33	1.53
1	4Y	171	ARG	CA-CB	-13.31	1.33	1.53
1	5U	171	ARG	CA-CB	-13.31	1.33	1.53
1	6M	171	ARG	CA-CB	-13.31	1.33	1.53
1	6U	171	ARG	CA-CB	-13.31	1.33	1.53
1	7E	171	ARG	CA-CB	-13.31	1.33	1.53
1	7Q	171	ARG	CA-CB	-13.31	1.33	1.53
1	1E	170	ALA	CA-C	13.30	1.71	1.52
2	1F	207	GLY	C-N	-13.30	1.12	1.33
1	2M	170	ALA	CA-C	13.30	1.71	1.52
2	2N	207	GLY	C-N	-13.30	1.12	1.33
1	22	170	ALA	CA-C	13.30	1.71	1.52
2	23	207	GLY	C-N	-13.30	1.12	1.33
1	3M	170	ALA	CA-C	13.30	1.71	1.52
2	3N	207	GLY	C-N	-13.30	1.12	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	36	170	ALA	CA-C	13.30	1.71	1.52
2	37	207	GLY	C-N	-13.30	1.12	1.33
1	4I	170	ALA	CA-C	13.30	1.71	1.52
2	4J	207	GLY	C-N	-13.30	1.12	1.33
1	4Q	170	ALA	CA-C	13.30	1.71	1.52
2	4R	207	GLY	C-N	-13.30	1.12	1.33
1	5Y	170	ALA	CA-C	13.30	1.71	1.52
2	5Z	207	GLY	C-N	-13.30	1.12	1.33
1	6E	170	ALA	CA-C	13.30	1.71	1.52
2	6F	207	GLY	C-N	-13.30	1.12	1.33
1	6Y	170	ALA	CA-C	13.30	1.71	1.52
2	6Z	207	GLY	C-N	-13.30	1.12	1.33
1	7I	170	ALA	CA-C	13.30	1.71	1.52
2	7J	207	GLY	C-N	-13.30	1.12	1.33
1	7U	170	ALA	CA-C	13.30	1.71	1.52
2	7V	207	GLY	C-N	-13.30	1.12	1.33
2	1F	71	ALA	N-CA	-13.30	1.30	1.46
2	2N	71	ALA	N-CA	-13.30	1.30	1.46
2	23	71	ALA	N-CA	-13.30	1.30	1.46
2	3N	71	ALA	N-CA	-13.30	1.30	1.46
2	37	71	ALA	N-CA	-13.30	1.30	1.46
2	4J	71	ALA	N-CA	-13.30	1.30	1.46
2	4R	71	ALA	N-CA	-13.30	1.30	1.46
2	5Z	71	ALA	N-CA	-13.30	1.30	1.46
2	6F	71	ALA	N-CA	-13.30	1.30	1.46
2	6Z	71	ALA	N-CA	-13.30	1.30	1.46
2	7J	71	ALA	N-CA	-13.30	1.30	1.46
2	7V	71	ALA	N-CA	-13.30	1.30	1.46
1	1A	171	ARG	CA-CB	-13.30	1.33	1.53
1	1E	171	ARG	CA-CB	-13.30	1.33	1.53
1	1I	171	ARG	CA-CB	-13.30	1.33	1.53
1	2E	171	ARG	CA-CB	-13.30	1.33	1.53
1	2M	171	ARG	CA-CB	-13.30	1.33	1.53
1	22	171	ARG	CA-CB	-13.30	1.33	1.53
1	26	171	ARG	CA-CB	-13.30	1.33	1.53
1	3E	171	ARG	CA-CB	-13.30	1.33	1.53
1	3M	171	ARG	CA-CB	-13.30	1.33	1.53
1	36	171	ARG	CA-CB	-13.30	1.33	1.53
1	4A	171	ARG	CA-CB	-13.30	1.33	1.53
1	4I	171	ARG	CA-CB	-13.30	1.33	1.53
1	4M	171	ARG	CA-CB	-13.30	1.33	1.53
1	4Q	171	ARG	CA-CB	-13.30	1.33	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4U	171	ARG	CA-CB	-13.30	1.33	1.53
1	5Q	171	ARG	CA-CB	-13.30	1.33	1.53
1	5Y	171	ARG	CA-CB	-13.30	1.33	1.53
1	6E	171	ARG	CA-CB	-13.30	1.33	1.53
1	6I	171	ARG	CA-CB	-13.30	1.33	1.53
1	6Q	171	ARG	CA-CB	-13.30	1.33	1.53
1	6Y	171	ARG	CA-CB	-13.30	1.33	1.53
1	7I	171	ARG	CA-CB	-13.30	1.33	1.53
1	7M	171	ARG	CA-CB	-13.30	1.33	1.53
1	7U	171	ARG	CA-CB	-13.30	1.33	1.53
2	13	59	VAL	C-O	13.29	1.42	1.24
2	17	59	VAL	C-O	13.29	1.42	1.24
2	2B	59	VAL	C-O	13.29	1.42	1.24
2	3R	59	VAL	C-O	13.29	1.42	1.24
2	3V	59	VAL	C-O	13.29	1.42	1.24
2	3Z	59	VAL	C-O	13.29	1.42	1.24
2	5F	59	VAL	C-O	13.29	1.42	1.24
2	5J	59	VAL	C-O	13.29	1.42	1.24
2	5N	59	VAL	C-O	13.29	1.42	1.24
2	63	59	VAL	C-O	13.29	1.42	1.24
2	67	59	VAL	C-O	13.29	1.42	1.24
2	7B	59	VAL	C-O	13.29	1.42	1.24
2	1N	228	ASP	CA-C	13.28	1.70	1.52
2	2J	228	ASP	CA-C	13.28	1.70	1.52
2	3B	228	ASP	CA-C	13.28	1.70	1.52
2	3J	228	ASP	CA-C	13.28	1.70	1.52
2	33	228	ASP	CA-C	13.28	1.70	1.52
2	4F	228	ASP	CA-C	13.28	1.70	1.52
2	4Z	228	ASP	CA-C	13.28	1.70	1.52
2	5V	228	ASP	CA-C	13.28	1.70	1.52
2	6N	228	ASP	CA-C	13.28	1.70	1.52
2	6V	228	ASP	CA-C	13.28	1.70	1.52
2	7F	228	ASP	CA-C	13.28	1.70	1.52
2	7R	228	ASP	CA-C	13.28	1.70	1.52
2	1R	67	THR	CA-CB	13.28	1.70	1.54
2	1V	67	THR	CA-CB	13.28	1.70	1.54
2	1Z	67	THR	CA-CB	13.28	1.70	1.54
2	2R	67	THR	CA-CB	13.28	1.70	1.54
2	2V	67	THR	CA-CB	13.28	1.70	1.54
2	2Z	67	THR	CA-CB	13.28	1.70	1.54
2	43	67	THR	CA-CB	13.28	1.70	1.54
2	47	67	THR	CA-CB	13.28	1.70	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	67	THR	CA-CB	13.28	1.70	1.54
2	53	67	THR	CA-CB	13.28	1.70	1.54
2	57	67	THR	CA-CB	13.28	1.70	1.54
2	6B	67	THR	CA-CB	13.28	1.70	1.54
1	1A	20	GLU	C-N	13.28	1.51	1.33
2	1B	228	ASP	CA-C	13.28	1.70	1.52
1	1I	20	GLU	C-N	13.28	1.51	1.33
2	1J	228	ASP	CA-C	13.28	1.70	1.52
1	1M	170	ALA	CA-C	13.28	1.71	1.52
1	2E	20	GLU	C-N	13.28	1.51	1.33
2	2F	228	ASP	CA-C	13.28	1.70	1.52
1	2I	170	ALA	CA-C	13.28	1.71	1.52
1	26	20	GLU	C-N	13.28	1.51	1.33
2	27	228	ASP	CA-C	13.28	1.70	1.52
1	3A	170	ALA	CA-C	13.28	1.71	1.52
1	3E	20	GLU	C-N	13.28	1.51	1.33
2	3F	228	ASP	CA-C	13.28	1.70	1.52
1	3I	170	ALA	CA-C	13.28	1.71	1.52
1	32	170	ALA	CA-C	13.28	1.71	1.52
1	4A	20	GLU	C-N	13.28	1.51	1.33
2	4B	228	ASP	CA-C	13.28	1.70	1.52
1	4E	170	ALA	CA-C	13.28	1.71	1.52
1	4M	20	GLU	C-N	13.28	1.51	1.33
2	4N	228	ASP	CA-C	13.28	1.70	1.52
1	4U	20	GLU	C-N	13.28	1.51	1.33
2	4V	228	ASP	CA-C	13.28	1.70	1.52
1	4Y	170	ALA	CA-C	13.28	1.71	1.52
1	5Q	20	GLU	C-N	13.28	1.51	1.33
2	5R	228	ASP	CA-C	13.28	1.70	1.52
1	5U	170	ALA	CA-C	13.28	1.71	1.52
1	6I	20	GLU	C-N	13.28	1.51	1.33
2	6J	228	ASP	CA-C	13.28	1.70	1.52
1	6M	170	ALA	CA-C	13.28	1.71	1.52
1	6Q	20	GLU	C-N	13.28	1.51	1.33
2	6R	228	ASP	CA-C	13.28	1.70	1.52
1	6U	170	ALA	CA-C	13.28	1.71	1.52
1	7E	170	ALA	CA-C	13.28	1.71	1.52
1	7M	20	GLU	C-N	13.28	1.51	1.33
2	7N	228	ASP	CA-C	13.28	1.70	1.52
1	7Q	170	ALA	CA-C	13.28	1.71	1.52
2	1F	67	THR	CA-CB	13.27	1.70	1.54
2	2N	67	THR	CA-CB	13.27	1.70	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	67	THR	CA-CB	13.27	1.70	1.54
2	3N	67	THR	CA-CB	13.27	1.70	1.54
2	37	67	THR	CA-CB	13.27	1.70	1.54
2	4J	67	THR	CA-CB	13.27	1.70	1.54
2	4R	67	THR	CA-CB	13.27	1.70	1.54
2	5Z	67	THR	CA-CB	13.27	1.70	1.54
2	6F	67	THR	CA-CB	13.27	1.70	1.54
2	6Z	67	THR	CA-CB	13.27	1.70	1.54
2	7J	67	THR	CA-CB	13.27	1.70	1.54
2	7V	67	THR	CA-CB	13.27	1.70	1.54
2	13	67	THR	CA-CB	13.26	1.70	1.54
2	17	67	THR	CA-CB	13.26	1.70	1.54
2	2B	67	THR	CA-CB	13.26	1.70	1.54
2	3R	67	THR	CA-CB	13.26	1.70	1.54
2	3V	67	THR	CA-CB	13.26	1.70	1.54
2	3Z	67	THR	CA-CB	13.26	1.70	1.54
2	5F	67	THR	CA-CB	13.26	1.70	1.54
2	5J	67	THR	CA-CB	13.26	1.70	1.54
2	5N	67	THR	CA-CB	13.26	1.70	1.54
2	63	67	THR	CA-CB	13.26	1.70	1.54
2	67	67	THR	CA-CB	13.26	1.70	1.54
2	7B	67	THR	CA-CB	13.26	1.70	1.54
2	1B	67	THR	CA-CB	13.26	1.70	1.54
2	1J	67	THR	CA-CB	13.26	1.70	1.54
2	1R	228	ASP	CA-C	13.26	1.70	1.52
2	1V	228	ASP	CA-C	13.26	1.70	1.52
2	1Z	228	ASP	CA-C	13.26	1.70	1.52
2	2F	67	THR	CA-CB	13.26	1.70	1.54
2	2R	228	ASP	CA-C	13.26	1.70	1.52
2	2V	228	ASP	CA-C	13.26	1.70	1.52
2	2Z	228	ASP	CA-C	13.26	1.70	1.52
2	27	67	THR	CA-CB	13.26	1.70	1.54
2	3F	67	THR	CA-CB	13.26	1.70	1.54
2	4B	67	THR	CA-CB	13.26	1.70	1.54
2	4N	67	THR	CA-CB	13.26	1.70	1.54
2	4V	67	THR	CA-CB	13.26	1.70	1.54
2	43	228	ASP	CA-C	13.26	1.70	1.52
2	47	228	ASP	CA-C	13.26	1.70	1.52
2	5B	228	ASP	CA-C	13.26	1.70	1.52
2	5R	67	THR	CA-CB	13.26	1.70	1.54
2	53	228	ASP	CA-C	13.26	1.70	1.52
2	57	228	ASP	CA-C	13.26	1.70	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	228	ASP	CA-C	13.26	1.70	1.52
2	6J	67	THR	CA-CB	13.26	1.70	1.54
2	6R	67	THR	CA-CB	13.26	1.70	1.54
2	7N	67	THR	CA-CB	13.26	1.70	1.54
2	1B	71	ALA	N-CA	-13.26	1.30	1.46
2	1J	71	ALA	N-CA	-13.26	1.30	1.46
2	1N	71	ALA	N-CA	-13.26	1.30	1.46
2	2F	71	ALA	N-CA	-13.26	1.30	1.46
2	2J	71	ALA	N-CA	-13.26	1.30	1.46
2	27	71	ALA	N-CA	-13.26	1.30	1.46
2	3B	71	ALA	N-CA	-13.26	1.30	1.46
2	3F	71	ALA	N-CA	-13.26	1.30	1.46
2	3J	71	ALA	N-CA	-13.26	1.30	1.46
2	33	71	ALA	N-CA	-13.26	1.30	1.46
2	4B	71	ALA	N-CA	-13.26	1.30	1.46
2	4F	71	ALA	N-CA	-13.26	1.30	1.46
2	4N	71	ALA	N-CA	-13.26	1.30	1.46
2	4V	71	ALA	N-CA	-13.26	1.30	1.46
2	4Z	71	ALA	N-CA	-13.26	1.30	1.46
2	5R	71	ALA	N-CA	-13.26	1.30	1.46
2	5V	71	ALA	N-CA	-13.26	1.30	1.46
2	6J	71	ALA	N-CA	-13.26	1.30	1.46
2	6N	71	ALA	N-CA	-13.26	1.30	1.46
2	6R	71	ALA	N-CA	-13.26	1.30	1.46
2	6V	71	ALA	N-CA	-13.26	1.30	1.46
2	7F	71	ALA	N-CA	-13.26	1.30	1.46
2	7N	71	ALA	N-CA	-13.26	1.30	1.46
2	7R	71	ALA	N-CA	-13.26	1.30	1.46
2	13	228	ASP	CA-C	13.26	1.70	1.52
2	17	228	ASP	CA-C	13.26	1.70	1.52
2	2B	228	ASP	CA-C	13.26	1.70	1.52
2	3R	228	ASP	CA-C	13.26	1.70	1.52
2	3V	228	ASP	CA-C	13.26	1.70	1.52
2	3Z	228	ASP	CA-C	13.26	1.70	1.52
2	5F	228	ASP	CA-C	13.26	1.70	1.52
2	5J	228	ASP	CA-C	13.26	1.70	1.52
2	5N	228	ASP	CA-C	13.26	1.70	1.52
2	63	228	ASP	CA-C	13.26	1.70	1.52
2	67	228	ASP	CA-C	13.26	1.70	1.52
2	7B	228	ASP	CA-C	13.26	1.70	1.52
2	1F	228	ASP	CA-C	13.25	1.70	1.52
1	12	182	PHE	CG-CD2	-13.25	1.11	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	16	182	PHE	CG-CD2	-13.25	1.11	1.38
1	2A	182	PHE	CG-CD2	-13.25	1.11	1.38
2	2N	228	ASP	CA-C	13.25	1.70	1.52
2	23	228	ASP	CA-C	13.25	1.70	1.52
2	3N	228	ASP	CA-C	13.25	1.70	1.52
1	3Q	182	PHE	CG-CD2	-13.25	1.11	1.38
1	3U	182	PHE	CG-CD2	-13.25	1.11	1.38
1	3Y	182	PHE	CG-CD2	-13.25	1.11	1.38
2	37	228	ASP	CA-C	13.25	1.70	1.52
2	4J	228	ASP	CA-C	13.25	1.70	1.52
2	4R	228	ASP	CA-C	13.25	1.70	1.52
1	5E	182	PHE	CG-CD2	-13.25	1.11	1.38
1	5I	182	PHE	CG-CD2	-13.25	1.11	1.38
1	5M	182	PHE	CG-CD2	-13.25	1.11	1.38
2	5Z	228	ASP	CA-C	13.25	1.70	1.52
2	6F	228	ASP	CA-C	13.25	1.70	1.52
2	6Z	228	ASP	CA-C	13.25	1.70	1.52
1	62	182	PHE	CG-CD2	-13.25	1.11	1.38
1	66	182	PHE	CG-CD2	-13.25	1.11	1.38
1	7A	182	PHE	CG-CD2	-13.25	1.11	1.38
2	7J	228	ASP	CA-C	13.25	1.70	1.52
2	7V	228	ASP	CA-C	13.25	1.70	1.52
1	1E	182	PHE	CG-CD2	-13.25	1.11	1.38
1	2M	182	PHE	CG-CD2	-13.25	1.11	1.38
1	22	182	PHE	CG-CD2	-13.25	1.11	1.38
1	3M	182	PHE	CG-CD2	-13.25	1.11	1.38
1	36	182	PHE	CG-CD2	-13.25	1.11	1.38
1	4I	182	PHE	CG-CD2	-13.25	1.11	1.38
1	4Q	182	PHE	CG-CD2	-13.25	1.11	1.38
1	5Y	182	PHE	CG-CD2	-13.25	1.11	1.38
1	6E	182	PHE	CG-CD2	-13.25	1.11	1.38
1	6Y	182	PHE	CG-CD2	-13.25	1.11	1.38
1	7I	182	PHE	CG-CD2	-13.25	1.11	1.38
1	7U	182	PHE	CG-CD2	-13.25	1.11	1.38
2	1N	67	THR	CA-CB	13.25	1.70	1.54
2	2J	67	THR	CA-CB	13.25	1.70	1.54
2	3B	67	THR	CA-CB	13.25	1.70	1.54
2	3J	67	THR	CA-CB	13.25	1.70	1.54
2	33	67	THR	CA-CB	13.25	1.70	1.54
2	4F	67	THR	CA-CB	13.25	1.70	1.54
2	4Z	67	THR	CA-CB	13.25	1.70	1.54
2	5V	67	THR	CA-CB	13.25	1.70	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	67	THR	CA-CB	13.25	1.70	1.54
2	6V	67	THR	CA-CB	13.25	1.70	1.54
2	7F	67	THR	CA-CB	13.25	1.70	1.54
2	7R	67	THR	CA-CB	13.25	1.70	1.54
1	1E	20	GLU	C-N	13.24	1.51	1.33
1	1M	182	PHE	CG-CD2	-13.24	1.11	1.38
1	1Q	182	PHE	CG-CD2	-13.24	1.11	1.38
1	1U	182	PHE	CG-CD2	-13.24	1.11	1.38
1	1Y	182	PHE	CG-CD2	-13.24	1.11	1.38
1	2I	182	PHE	CG-CD2	-13.24	1.11	1.38
1	2M	20	GLU	C-N	13.24	1.51	1.33
1	2Q	182	PHE	CG-CD2	-13.24	1.11	1.38
1	2U	182	PHE	CG-CD2	-13.24	1.11	1.38
1	2Y	182	PHE	CG-CD2	-13.24	1.11	1.38
1	22	20	GLU	C-N	13.24	1.51	1.33
1	3A	182	PHE	CG-CD2	-13.24	1.11	1.38
1	3I	182	PHE	CG-CD2	-13.24	1.11	1.38
1	3M	20	GLU	C-N	13.24	1.51	1.33
1	32	182	PHE	CG-CD2	-13.24	1.11	1.38
1	36	20	GLU	C-N	13.24	1.51	1.33
1	4E	182	PHE	CG-CD2	-13.24	1.11	1.38
1	4I	20	GLU	C-N	13.24	1.51	1.33
1	4Q	20	GLU	C-N	13.24	1.51	1.33
1	4Y	182	PHE	CG-CD2	-13.24	1.11	1.38
1	42	182	PHE	CG-CD2	-13.24	1.11	1.38
1	46	182	PHE	CG-CD2	-13.24	1.11	1.38
1	5A	182	PHE	CG-CD2	-13.24	1.11	1.38
1	5U	182	PHE	CG-CD2	-13.24	1.11	1.38
1	5Y	20	GLU	C-N	13.24	1.51	1.33
1	52	182	PHE	CG-CD2	-13.24	1.11	1.38
1	56	182	PHE	CG-CD2	-13.24	1.11	1.38
1	6A	182	PHE	CG-CD2	-13.24	1.11	1.38
1	6E	20	GLU	C-N	13.24	1.51	1.33
1	6M	182	PHE	CG-CD2	-13.24	1.11	1.38
1	6U	182	PHE	CG-CD2	-13.24	1.11	1.38
1	6Y	20	GLU	C-N	13.24	1.51	1.33
1	7E	182	PHE	CG-CD2	-13.24	1.11	1.38
1	7I	20	GLU	C-N	13.24	1.51	1.33
1	7Q	182	PHE	CG-CD2	-13.24	1.11	1.38
1	7U	20	GLU	C-N	13.24	1.51	1.33
1	1A	182	PHE	CG-CD2	-13.24	1.11	1.38
1	1I	182	PHE	CG-CD2	-13.24	1.11	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	182	PHE	CG-CD2	-13.24	1.11	1.38
1	26	182	PHE	CG-CD2	-13.24	1.11	1.38
1	3E	182	PHE	CG-CD2	-13.24	1.11	1.38
1	4A	182	PHE	CG-CD2	-13.24	1.11	1.38
1	4M	182	PHE	CG-CD2	-13.24	1.11	1.38
1	4U	182	PHE	CG-CD2	-13.24	1.11	1.38
1	5Q	182	PHE	CG-CD2	-13.24	1.11	1.38
1	6I	182	PHE	CG-CD2	-13.24	1.11	1.38
1	6Q	182	PHE	CG-CD2	-13.24	1.11	1.38
1	7M	182	PHE	CG-CD2	-13.24	1.11	1.38
1	1Q	20	GLU	C-N	13.23	1.51	1.33
1	1U	20	GLU	C-N	13.23	1.51	1.33
1	1Y	20	GLU	C-N	13.23	1.51	1.33
1	12	20	GLU	C-N	13.23	1.51	1.33
1	16	20	GLU	C-N	13.23	1.51	1.33
1	2A	20	GLU	C-N	13.23	1.51	1.33
1	2Q	20	GLU	C-N	13.23	1.51	1.33
1	2U	20	GLU	C-N	13.23	1.51	1.33
1	2Y	20	GLU	C-N	13.23	1.51	1.33
1	3Q	20	GLU	C-N	13.23	1.51	1.33
1	3U	20	GLU	C-N	13.23	1.51	1.33
1	3Y	20	GLU	C-N	13.23	1.51	1.33
1	42	20	GLU	C-N	13.23	1.51	1.33
1	46	20	GLU	C-N	13.23	1.51	1.33
1	5A	20	GLU	C-N	13.23	1.51	1.33
1	5E	20	GLU	C-N	13.23	1.51	1.33
1	5I	20	GLU	C-N	13.23	1.51	1.33
1	5M	20	GLU	C-N	13.23	1.51	1.33
1	52	20	GLU	C-N	13.23	1.51	1.33
1	56	20	GLU	C-N	13.23	1.51	1.33
1	6A	20	GLU	C-N	13.23	1.51	1.33
1	62	20	GLU	C-N	13.23	1.51	1.33
1	66	20	GLU	C-N	13.23	1.51	1.33
1	7A	20	GLU	C-N	13.23	1.51	1.33
1	1Q	13	ALA	CA-CB	-13.23	1.31	1.53
1	1U	13	ALA	CA-CB	-13.23	1.31	1.53
1	1Y	13	ALA	CA-CB	-13.23	1.31	1.53
2	13	71	ALA	N-CA	-13.23	1.30	1.46
2	17	71	ALA	N-CA	-13.23	1.30	1.46
2	2B	71	ALA	N-CA	-13.23	1.30	1.46
1	2Q	13	ALA	CA-CB	-13.23	1.31	1.53
1	2U	13	ALA	CA-CB	-13.23	1.31	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2Y	13	ALA	CA-CB	-13.23	1.31	1.53
2	3R	71	ALA	N-CA	-13.23	1.30	1.46
2	3V	71	ALA	N-CA	-13.23	1.30	1.46
2	3Z	71	ALA	N-CA	-13.23	1.30	1.46
1	42	13	ALA	CA-CB	-13.23	1.31	1.53
1	46	13	ALA	CA-CB	-13.23	1.31	1.53
1	5A	13	ALA	CA-CB	-13.23	1.31	1.53
2	5F	71	ALA	N-CA	-13.23	1.30	1.46
2	5J	71	ALA	N-CA	-13.23	1.30	1.46
2	5N	71	ALA	N-CA	-13.23	1.30	1.46
1	52	13	ALA	CA-CB	-13.23	1.31	1.53
1	56	13	ALA	CA-CB	-13.23	1.31	1.53
1	6A	13	ALA	CA-CB	-13.23	1.31	1.53
2	63	71	ALA	N-CA	-13.23	1.30	1.46
2	67	71	ALA	N-CA	-13.23	1.30	1.46
2	7B	71	ALA	N-CA	-13.23	1.30	1.46
2	1R	71	ALA	N-CA	-13.22	1.30	1.46
2	1V	71	ALA	N-CA	-13.22	1.30	1.46
2	1Z	71	ALA	N-CA	-13.22	1.30	1.46
2	2R	71	ALA	N-CA	-13.22	1.30	1.46
2	2V	71	ALA	N-CA	-13.22	1.30	1.46
2	2Z	71	ALA	N-CA	-13.22	1.30	1.46
2	43	71	ALA	N-CA	-13.22	1.30	1.46
2	47	71	ALA	N-CA	-13.22	1.30	1.46
2	5B	71	ALA	N-CA	-13.22	1.30	1.46
2	53	71	ALA	N-CA	-13.22	1.30	1.46
2	57	71	ALA	N-CA	-13.22	1.30	1.46
2	6B	71	ALA	N-CA	-13.22	1.30	1.46
1	1A	13	ALA	CA-CB	-13.21	1.31	1.53
1	1I	13	ALA	CA-CB	-13.21	1.31	1.53
1	1M	20	GLU	C-N	13.22	1.51	1.33
2	1N	79	VAL	C-O	13.21	1.39	1.24
2	13	79	VAL	C-O	13.22	1.39	1.24
2	17	79	VAL	C-O	13.22	1.39	1.24
2	2B	79	VAL	C-O	13.22	1.39	1.24
1	2E	13	ALA	CA-CB	-13.21	1.31	1.53
1	2I	20	GLU	C-N	13.22	1.51	1.33
2	2J	79	VAL	C-O	13.21	1.39	1.24
1	26	13	ALA	CA-CB	-13.21	1.31	1.53
1	3A	20	GLU	C-N	13.22	1.51	1.33
2	3B	79	VAL	C-O	13.21	1.39	1.24
1	3E	13	ALA	CA-CB	-13.21	1.31	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3I	20	GLU	C-N	13.22	1.51	1.33
2	3J	79	VAL	C-O	13.21	1.39	1.24
2	3R	79	VAL	C-O	13.22	1.39	1.24
2	3V	79	VAL	C-O	13.22	1.39	1.24
2	3Z	79	VAL	C-O	13.22	1.39	1.24
1	32	20	GLU	C-N	13.22	1.51	1.33
2	33	79	VAL	C-O	13.21	1.39	1.24
1	4A	13	ALA	CA-CB	-13.21	1.31	1.53
1	4E	20	GLU	C-N	13.22	1.51	1.33
2	4F	79	VAL	C-O	13.21	1.39	1.24
1	4M	13	ALA	CA-CB	-13.21	1.31	1.53
1	4U	13	ALA	CA-CB	-13.21	1.31	1.53
1	4Y	20	GLU	C-N	13.22	1.51	1.33
2	4Z	79	VAL	C-O	13.21	1.39	1.24
2	5F	79	VAL	C-O	13.22	1.39	1.24
2	5J	79	VAL	C-O	13.22	1.39	1.24
2	5N	79	VAL	C-O	13.22	1.39	1.24
1	5Q	13	ALA	CA-CB	-13.21	1.31	1.53
1	5U	20	GLU	C-N	13.22	1.51	1.33
2	5V	79	VAL	C-O	13.21	1.39	1.24
1	6I	13	ALA	CA-CB	-13.21	1.31	1.53
1	6M	20	GLU	C-N	13.22	1.51	1.33
2	6N	79	VAL	C-O	13.21	1.39	1.24
1	6Q	13	ALA	CA-CB	-13.21	1.31	1.53
1	6U	20	GLU	C-N	13.22	1.51	1.33
2	6V	79	VAL	C-O	13.21	1.39	1.24
2	63	79	VAL	C-O	13.22	1.39	1.24
2	67	79	VAL	C-O	13.22	1.39	1.24
2	7B	79	VAL	C-O	13.22	1.39	1.24
1	7E	20	GLU	C-N	13.22	1.51	1.33
2	7F	79	VAL	C-O	13.21	1.39	1.24
1	7M	13	ALA	CA-CB	-13.21	1.31	1.53
1	7Q	20	GLU	C-N	13.22	1.51	1.33
2	7R	79	VAL	C-O	13.21	1.39	1.24
1	1E	13	ALA	CA-CB	-13.21	1.31	1.53
1	2M	13	ALA	CA-CB	-13.21	1.31	1.53
1	22	13	ALA	CA-CB	-13.21	1.31	1.53
1	3M	13	ALA	CA-CB	-13.21	1.31	1.53
1	36	13	ALA	CA-CB	-13.21	1.31	1.53
1	4I	13	ALA	CA-CB	-13.21	1.31	1.53
1	4Q	13	ALA	CA-CB	-13.21	1.31	1.53
1	5Y	13	ALA	CA-CB	-13.21	1.31	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	13	ALA	CA-CB	-13.21	1.31	1.53
1	6Y	13	ALA	CA-CB	-13.21	1.31	1.53
1	7I	13	ALA	CA-CB	-13.21	1.31	1.53
1	7U	13	ALA	CA-CB	-13.21	1.31	1.53
1	12	13	ALA	CA-CB	-13.20	1.31	1.53
1	16	13	ALA	CA-CB	-13.20	1.31	1.53
1	2A	13	ALA	CA-CB	-13.20	1.31	1.53
1	3Q	13	ALA	CA-CB	-13.20	1.31	1.53
1	3U	13	ALA	CA-CB	-13.20	1.31	1.53
1	3Y	13	ALA	CA-CB	-13.20	1.31	1.53
1	5E	13	ALA	CA-CB	-13.20	1.31	1.53
1	5I	13	ALA	CA-CB	-13.20	1.31	1.53
1	5M	13	ALA	CA-CB	-13.20	1.31	1.53
1	62	13	ALA	CA-CB	-13.20	1.31	1.53
1	66	13	ALA	CA-CB	-13.20	1.31	1.53
1	7A	13	ALA	CA-CB	-13.20	1.31	1.53
2	1R	79	VAL	C-O	13.19	1.39	1.24
2	1V	79	VAL	C-O	13.19	1.39	1.24
2	1Z	79	VAL	C-O	13.19	1.39	1.24
2	2R	79	VAL	C-O	13.19	1.39	1.24
2	2V	79	VAL	C-O	13.19	1.39	1.24
2	2Z	79	VAL	C-O	13.19	1.39	1.24
2	43	79	VAL	C-O	13.19	1.39	1.24
2	47	79	VAL	C-O	13.19	1.39	1.24
2	5B	79	VAL	C-O	13.19	1.39	1.24
2	53	79	VAL	C-O	13.19	1.39	1.24
2	57	79	VAL	C-O	13.19	1.39	1.24
2	6B	79	VAL	C-O	13.19	1.39	1.24
2	1B	79	VAL	C-O	13.18	1.39	1.24
2	1F	79	VAL	C-O	13.18	1.39	1.24
2	1J	79	VAL	C-O	13.18	1.39	1.24
2	1R	8	VAL	CA-C	13.18	1.69	1.52
2	1V	8	VAL	CA-C	13.18	1.69	1.52
2	1Z	8	VAL	CA-C	13.18	1.69	1.52
2	2F	79	VAL	C-O	13.18	1.39	1.24
2	2N	79	VAL	C-O	13.18	1.39	1.24
2	2R	8	VAL	CA-C	13.18	1.69	1.52
2	2V	8	VAL	CA-C	13.18	1.69	1.52
2	2Z	8	VAL	CA-C	13.18	1.69	1.52
2	23	79	VAL	C-O	13.18	1.39	1.24
2	27	79	VAL	C-O	13.18	1.39	1.24
2	3F	79	VAL	C-O	13.18	1.39	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3N	79	VAL	C-O	13.18	1.39	1.24
2	37	79	VAL	C-O	13.18	1.39	1.24
2	4B	79	VAL	C-O	13.18	1.39	1.24
2	4J	79	VAL	C-O	13.18	1.39	1.24
2	4N	79	VAL	C-O	13.18	1.39	1.24
2	4R	79	VAL	C-O	13.18	1.39	1.24
2	4V	79	VAL	C-O	13.18	1.39	1.24
2	43	8	VAL	CA-C	13.18	1.69	1.52
2	47	8	VAL	CA-C	13.18	1.69	1.52
2	5B	8	VAL	CA-C	13.18	1.69	1.52
2	5R	79	VAL	C-O	13.18	1.39	1.24
2	5Z	79	VAL	C-O	13.18	1.39	1.24
2	53	8	VAL	CA-C	13.18	1.69	1.52
2	57	8	VAL	CA-C	13.18	1.69	1.52
2	6B	8	VAL	CA-C	13.18	1.69	1.52
2	6F	79	VAL	C-O	13.18	1.39	1.24
2	6J	79	VAL	C-O	13.18	1.39	1.24
2	6R	79	VAL	C-O	13.18	1.39	1.24
2	6Z	79	VAL	C-O	13.18	1.39	1.24
2	7J	79	VAL	C-O	13.18	1.39	1.24
2	7N	79	VAL	C-O	13.18	1.39	1.24
2	7V	79	VAL	C-O	13.18	1.39	1.24
1	1E	145	LEU	CA-C	13.18	1.70	1.52
1	1M	145	LEU	CA-C	13.18	1.70	1.52
1	2I	145	LEU	CA-C	13.18	1.70	1.52
1	2M	145	LEU	CA-C	13.18	1.70	1.52
1	22	145	LEU	CA-C	13.18	1.70	1.52
1	3A	145	LEU	CA-C	13.18	1.70	1.52
1	3I	145	LEU	CA-C	13.18	1.70	1.52
1	3M	145	LEU	CA-C	13.18	1.70	1.52
1	32	145	LEU	CA-C	13.18	1.70	1.52
1	36	145	LEU	CA-C	13.18	1.70	1.52
1	4E	145	LEU	CA-C	13.18	1.70	1.52
1	4I	145	LEU	CA-C	13.18	1.70	1.52
1	4Q	145	LEU	CA-C	13.18	1.70	1.52
1	4Y	145	LEU	CA-C	13.18	1.70	1.52
1	5U	145	LEU	CA-C	13.18	1.70	1.52
1	5Y	145	LEU	CA-C	13.18	1.70	1.52
1	6E	145	LEU	CA-C	13.18	1.70	1.52
1	6M	145	LEU	CA-C	13.18	1.70	1.52
1	6U	145	LEU	CA-C	13.18	1.70	1.52
1	6Y	145	LEU	CA-C	13.18	1.70	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7E	145	LEU	CA-C	13.18	1.70	1.52
1	7I	145	LEU	CA-C	13.18	1.70	1.52
1	7Q	145	LEU	CA-C	13.18	1.70	1.52
1	7U	145	LEU	CA-C	13.18	1.70	1.52
1	1A	145	LEU	CA-C	13.17	1.70	1.52
1	1I	145	LEU	CA-C	13.17	1.70	1.52
1	2E	145	LEU	CA-C	13.17	1.70	1.52
1	26	145	LEU	CA-C	13.17	1.70	1.52
1	3E	145	LEU	CA-C	13.17	1.70	1.52
1	4A	145	LEU	CA-C	13.17	1.70	1.52
1	4M	145	LEU	CA-C	13.17	1.70	1.52
1	4U	145	LEU	CA-C	13.17	1.70	1.52
1	5Q	145	LEU	CA-C	13.17	1.70	1.52
1	6I	145	LEU	CA-C	13.17	1.70	1.52
1	6Q	145	LEU	CA-C	13.17	1.70	1.52
1	7M	145	LEU	CA-C	13.17	1.70	1.52
2	1B	8	VAL	CA-C	13.16	1.69	1.52
2	1J	8	VAL	CA-C	13.16	1.69	1.52
2	13	8	VAL	CA-C	13.16	1.69	1.52
2	17	8	VAL	CA-C	13.16	1.69	1.52
2	2B	8	VAL	CA-C	13.16	1.69	1.52
2	2F	8	VAL	CA-C	13.16	1.69	1.52
2	27	8	VAL	CA-C	13.16	1.69	1.52
2	3F	8	VAL	CA-C	13.16	1.69	1.52
2	3R	8	VAL	CA-C	13.16	1.69	1.52
2	3V	8	VAL	CA-C	13.16	1.69	1.52
2	3Z	8	VAL	CA-C	13.16	1.69	1.52
2	4B	8	VAL	CA-C	13.16	1.69	1.52
2	4N	8	VAL	CA-C	13.16	1.69	1.52
2	4V	8	VAL	CA-C	13.16	1.69	1.52
2	5F	8	VAL	CA-C	13.16	1.69	1.52
2	5J	8	VAL	CA-C	13.16	1.69	1.52
2	5N	8	VAL	CA-C	13.16	1.69	1.52
2	5R	8	VAL	CA-C	13.16	1.69	1.52
2	6J	8	VAL	CA-C	13.16	1.69	1.52
2	6R	8	VAL	CA-C	13.16	1.69	1.52
2	63	8	VAL	CA-C	13.16	1.69	1.52
2	67	8	VAL	CA-C	13.16	1.69	1.52
2	7B	8	VAL	CA-C	13.16	1.69	1.52
2	7N	8	VAL	CA-C	13.16	1.69	1.52
1	1M	13	ALA	CA-CB	-13.15	1.31	1.53
1	2I	13	ALA	CA-CB	-13.15	1.31	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	13	ALA	CA-CB	-13.15	1.31	1.53
1	3I	13	ALA	CA-CB	-13.15	1.31	1.53
1	32	13	ALA	CA-CB	-13.15	1.31	1.53
1	4E	13	ALA	CA-CB	-13.15	1.31	1.53
1	4Y	13	ALA	CA-CB	-13.15	1.31	1.53
1	5U	13	ALA	CA-CB	-13.15	1.31	1.53
1	6M	13	ALA	CA-CB	-13.15	1.31	1.53
1	6U	13	ALA	CA-CB	-13.15	1.31	1.53
1	7E	13	ALA	CA-CB	-13.15	1.31	1.53
1	7Q	13	ALA	CA-CB	-13.15	1.31	1.53
1	1Q	145	LEU	CA-C	13.15	1.70	1.52
1	1U	145	LEU	CA-C	13.15	1.70	1.52
1	1Y	145	LEU	CA-C	13.15	1.70	1.52
1	2Q	145	LEU	CA-C	13.15	1.70	1.52
1	2U	145	LEU	CA-C	13.15	1.70	1.52
1	2Y	145	LEU	CA-C	13.15	1.70	1.52
1	42	145	LEU	CA-C	13.15	1.70	1.52
1	46	145	LEU	CA-C	13.15	1.70	1.52
1	5A	145	LEU	CA-C	13.15	1.70	1.52
1	52	145	LEU	CA-C	13.15	1.70	1.52
1	56	145	LEU	CA-C	13.15	1.70	1.52
1	6A	145	LEU	CA-C	13.15	1.70	1.52
2	1N	8	VAL	CA-C	13.14	1.69	1.52
2	2J	8	VAL	CA-C	13.14	1.69	1.52
2	3B	8	VAL	CA-C	13.14	1.69	1.52
2	3J	8	VAL	CA-C	13.14	1.69	1.52
2	33	8	VAL	CA-C	13.14	1.69	1.52
2	4F	8	VAL	CA-C	13.14	1.69	1.52
2	4Z	8	VAL	CA-C	13.14	1.69	1.52
2	5V	8	VAL	CA-C	13.14	1.69	1.52
2	6N	8	VAL	CA-C	13.14	1.69	1.52
2	6V	8	VAL	CA-C	13.14	1.69	1.52
2	7F	8	VAL	CA-C	13.14	1.69	1.52
2	7R	8	VAL	CA-C	13.14	1.69	1.52
2	1N	25	SER	CA-C	-13.13	1.35	1.52
2	2J	25	SER	CA-C	-13.13	1.35	1.52
2	3B	25	SER	CA-C	-13.13	1.35	1.52
2	3J	25	SER	CA-C	-13.13	1.35	1.52
2	33	25	SER	CA-C	-13.13	1.35	1.52
2	4F	25	SER	CA-C	-13.13	1.35	1.52
2	4Z	25	SER	CA-C	-13.13	1.35	1.52
2	5V	25	SER	CA-C	-13.13	1.35	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	25	SER	CA-C	-13.13	1.35	1.52
2	6V	25	SER	CA-C	-13.13	1.35	1.52
2	7F	25	SER	CA-C	-13.13	1.35	1.52
2	7R	25	SER	CA-C	-13.13	1.35	1.52
1	12	145	LEU	CA-C	13.13	1.70	1.52
2	13	25	SER	CA-C	-13.13	1.35	1.52
1	16	145	LEU	CA-C	13.13	1.70	1.52
2	17	25	SER	CA-C	-13.13	1.35	1.52
1	2A	145	LEU	CA-C	13.13	1.70	1.52
2	2B	25	SER	CA-C	-13.13	1.35	1.52
1	3Q	145	LEU	CA-C	13.13	1.70	1.52
2	3R	25	SER	CA-C	-13.13	1.35	1.52
1	3U	145	LEU	CA-C	13.13	1.70	1.52
2	3V	25	SER	CA-C	-13.13	1.35	1.52
1	3Y	145	LEU	CA-C	13.13	1.70	1.52
2	3Z	25	SER	CA-C	-13.13	1.35	1.52
1	5E	145	LEU	CA-C	13.13	1.70	1.52
2	5F	25	SER	CA-C	-13.13	1.35	1.52
1	5I	145	LEU	CA-C	13.13	1.70	1.52
2	5J	25	SER	CA-C	-13.13	1.35	1.52
1	5M	145	LEU	CA-C	13.13	1.70	1.52
2	5N	25	SER	CA-C	-13.13	1.35	1.52
1	62	145	LEU	CA-C	13.13	1.70	1.52
2	63	25	SER	CA-C	-13.13	1.35	1.52
1	66	145	LEU	CA-C	13.13	1.70	1.52
2	67	25	SER	CA-C	-13.13	1.35	1.52
1	7A	145	LEU	CA-C	13.13	1.70	1.52
2	7B	25	SER	CA-C	-13.13	1.35	1.52
2	1B	70	TRP	C-O	-13.12	1.07	1.23
2	1J	70	TRP	C-O	-13.12	1.07	1.23
2	2F	70	TRP	C-O	-13.12	1.07	1.23
2	27	70	TRP	C-O	-13.12	1.07	1.23
2	3F	70	TRP	C-O	-13.12	1.07	1.23
2	4B	70	TRP	C-O	-13.12	1.07	1.23
2	4N	70	TRP	C-O	-13.12	1.07	1.23
2	4V	70	TRP	C-O	-13.12	1.07	1.23
2	5R	70	TRP	C-O	-13.12	1.07	1.23
2	6J	70	TRP	C-O	-13.12	1.07	1.23
2	6R	70	TRP	C-O	-13.12	1.07	1.23
2	7N	70	TRP	C-O	-13.12	1.07	1.23
2	13	70	TRP	C-O	-13.12	1.07	1.23
2	17	70	TRP	C-O	-13.12	1.07	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	70	TRP	C-O	-13.12	1.07	1.23
2	3R	70	TRP	C-O	-13.12	1.07	1.23
2	3V	70	TRP	C-O	-13.12	1.07	1.23
2	3Z	70	TRP	C-O	-13.12	1.07	1.23
2	5F	70	TRP	C-O	-13.12	1.07	1.23
2	5J	70	TRP	C-O	-13.12	1.07	1.23
2	5N	70	TRP	C-O	-13.12	1.07	1.23
2	63	70	TRP	C-O	-13.12	1.07	1.23
2	67	70	TRP	C-O	-13.12	1.07	1.23
2	7B	70	TRP	C-O	-13.12	1.07	1.23
2	1F	70	TRP	C-O	-13.11	1.07	1.23
2	2N	70	TRP	C-O	-13.11	1.07	1.23
2	23	70	TRP	C-O	-13.11	1.07	1.23
2	3N	70	TRP	C-O	-13.11	1.07	1.23
2	37	70	TRP	C-O	-13.11	1.07	1.23
2	4J	70	TRP	C-O	-13.11	1.07	1.23
2	4R	70	TRP	C-O	-13.11	1.07	1.23
2	5Z	70	TRP	C-O	-13.11	1.07	1.23
2	6F	70	TRP	C-O	-13.11	1.07	1.23
2	6Z	70	TRP	C-O	-13.11	1.07	1.23
2	7J	70	TRP	C-O	-13.11	1.07	1.23
2	7V	70	TRP	C-O	-13.11	1.07	1.23
2	1F	8	VAL	CA-C	13.11	1.69	1.52
2	1N	68	PRO	C-N	13.11	1.52	1.33
1	12	144	VAL	CA-C	13.11	1.67	1.52
1	16	144	VAL	CA-C	13.11	1.67	1.52
1	2A	144	VAL	CA-C	13.11	1.67	1.52
2	2J	68	PRO	C-N	13.11	1.52	1.33
2	2N	8	VAL	CA-C	13.11	1.69	1.52
2	23	8	VAL	CA-C	13.11	1.69	1.52
2	3B	68	PRO	C-N	13.11	1.52	1.33
2	3J	68	PRO	C-N	13.11	1.52	1.33
2	3N	8	VAL	CA-C	13.11	1.69	1.52
1	3Q	144	VAL	CA-C	13.11	1.67	1.52
1	3U	144	VAL	CA-C	13.11	1.67	1.52
1	3Y	144	VAL	CA-C	13.11	1.67	1.52
2	33	68	PRO	C-N	13.11	1.52	1.33
2	37	8	VAL	CA-C	13.11	1.69	1.52
2	4F	68	PRO	C-N	13.11	1.52	1.33
2	4J	8	VAL	CA-C	13.11	1.69	1.52
2	4R	8	VAL	CA-C	13.11	1.69	1.52
2	4Z	68	PRO	C-N	13.11	1.52	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5E	144	VAL	CA-C	13.11	1.67	1.52
1	5I	144	VAL	CA-C	13.11	1.67	1.52
1	5M	144	VAL	CA-C	13.11	1.67	1.52
2	5V	68	PRO	C-N	13.11	1.52	1.33
2	5Z	8	VAL	CA-C	13.11	1.69	1.52
2	6F	8	VAL	CA-C	13.11	1.69	1.52
2	6N	68	PRO	C-N	13.11	1.52	1.33
2	6V	68	PRO	C-N	13.11	1.52	1.33
2	6Z	8	VAL	CA-C	13.11	1.69	1.52
1	62	144	VAL	CA-C	13.11	1.67	1.52
1	66	144	VAL	CA-C	13.11	1.67	1.52
1	7A	144	VAL	CA-C	13.11	1.67	1.52
2	7F	68	PRO	C-N	13.11	1.52	1.33
2	7J	8	VAL	CA-C	13.11	1.69	1.52
2	7R	68	PRO	C-N	13.11	1.52	1.33
2	7V	8	VAL	CA-C	13.11	1.69	1.52
2	1B	25	SER	CA-C	-13.10	1.35	1.52
2	1J	25	SER	CA-C	-13.10	1.35	1.52
2	2F	25	SER	CA-C	-13.10	1.35	1.52
2	27	25	SER	CA-C	-13.10	1.35	1.52
2	3F	25	SER	CA-C	-13.10	1.35	1.52
2	4B	25	SER	CA-C	-13.10	1.35	1.52
2	4N	25	SER	CA-C	-13.10	1.35	1.52
2	4V	25	SER	CA-C	-13.10	1.35	1.52
2	5R	25	SER	CA-C	-13.10	1.35	1.52
2	6J	25	SER	CA-C	-13.10	1.35	1.52
2	6R	25	SER	CA-C	-13.10	1.35	1.52
2	7N	25	SER	CA-C	-13.10	1.35	1.52
1	1A	144	VAL	CA-C	13.09	1.67	1.52
2	1B	68	PRO	C-N	13.09	1.52	1.33
1	1I	144	VAL	CA-C	13.09	1.67	1.52
2	1R	68	PRO	C-N	13.09	1.52	1.33
2	1V	68	PRO	C-N	13.09	1.52	1.33
2	1Z	68	PRO	C-N	13.09	1.52	1.33
2	2R	68	PRO	C-N	13.09	1.52	1.33
2	1J	68	PRO	C-N	13.09	1.52	1.33
1	2E	144	VAL	CA-C	13.09	1.67	1.52
2	2V	68	PRO	C-N	13.09	1.52	1.33
2	2Z	68	PRO	C-N	13.09	1.52	1.33
2	2F	68	PRO	C-N	13.09	1.52	1.33
1	26	144	VAL	CA-C	13.09	1.67	1.52
2	27	68	PRO	C-N	13.09	1.52	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3E	144	VAL	CA-C	13.09	1.67	1.52
2	3F	68	PRO	C-N	13.09	1.52	1.33
1	4A	144	VAL	CA-C	13.09	1.67	1.52
2	4B	68	PRO	C-N	13.09	1.52	1.33
1	4M	144	VAL	CA-C	13.09	1.67	1.52
2	4N	68	PRO	C-N	13.09	1.52	1.33
1	4U	144	VAL	CA-C	13.09	1.67	1.52
2	43	68	PRO	C-N	13.09	1.52	1.33
2	47	68	PRO	C-N	13.09	1.52	1.33
2	5B	68	PRO	C-N	13.09	1.52	1.33
2	53	68	PRO	C-N	13.09	1.52	1.33
2	4V	68	PRO	C-N	13.09	1.52	1.33
1	5Q	144	VAL	CA-C	13.09	1.67	1.52
2	57	68	PRO	C-N	13.09	1.52	1.33
2	6B	68	PRO	C-N	13.09	1.52	1.33
2	5R	68	PRO	C-N	13.09	1.52	1.33
1	6I	144	VAL	CA-C	13.09	1.67	1.52
2	6J	68	PRO	C-N	13.09	1.52	1.33
1	6Q	144	VAL	CA-C	13.09	1.67	1.52
2	6R	68	PRO	C-N	13.09	1.52	1.33
1	7M	144	VAL	CA-C	13.09	1.67	1.52
2	7N	68	PRO	C-N	13.09	1.52	1.33
2	1R	25	SER	CA-C	-13.09	1.35	1.52
2	1V	25	SER	CA-C	-13.09	1.35	1.52
2	1Z	25	SER	CA-C	-13.09	1.35	1.52
2	2R	25	SER	CA-C	-13.09	1.35	1.52
2	2V	25	SER	CA-C	-13.09	1.35	1.52
2	2Z	25	SER	CA-C	-13.09	1.35	1.52
2	43	25	SER	CA-C	-13.09	1.35	1.52
2	47	25	SER	CA-C	-13.09	1.35	1.52
2	5B	25	SER	CA-C	-13.09	1.35	1.52
2	53	25	SER	CA-C	-13.09	1.35	1.52
2	57	25	SER	CA-C	-13.09	1.35	1.52
2	6B	25	SER	CA-C	-13.09	1.35	1.52
1	1M	144	VAL	CA-C	13.08	1.67	1.52
1	2I	144	VAL	CA-C	13.08	1.67	1.52
1	3A	144	VAL	CA-C	13.08	1.67	1.52
1	3I	144	VAL	CA-C	13.08	1.67	1.52
1	32	144	VAL	CA-C	13.08	1.67	1.52
1	4E	144	VAL	CA-C	13.08	1.67	1.52
1	4Y	144	VAL	CA-C	13.08	1.67	1.52
1	5U	144	VAL	CA-C	13.08	1.67	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	144	VAL	CA-C	13.08	1.67	1.52
1	6U	144	VAL	CA-C	13.08	1.67	1.52
1	7E	144	VAL	CA-C	13.08	1.67	1.52
1	7Q	144	VAL	CA-C	13.08	1.67	1.52
1	1Q	144	VAL	CA-C	13.08	1.67	1.52
1	1U	144	VAL	CA-C	13.08	1.67	1.52
1	1Y	144	VAL	CA-C	13.08	1.67	1.52
1	2Q	144	VAL	CA-C	13.08	1.67	1.52
1	2U	144	VAL	CA-C	13.08	1.67	1.52
1	2Y	144	VAL	CA-C	13.08	1.67	1.52
1	42	144	VAL	CA-C	13.08	1.67	1.52
1	46	144	VAL	CA-C	13.08	1.67	1.52
1	5A	144	VAL	CA-C	13.08	1.67	1.52
1	52	144	VAL	CA-C	13.08	1.67	1.52
1	56	144	VAL	CA-C	13.08	1.67	1.52
1	6A	144	VAL	CA-C	13.08	1.67	1.52
2	1N	70	TRP	C-O	-13.08	1.07	1.23
2	1R	37	ASN	C-N	-13.08	1.17	1.33
2	1V	37	ASN	C-N	-13.08	1.17	1.33
2	1Z	37	ASN	C-N	-13.08	1.17	1.33
2	2J	70	TRP	C-O	-13.08	1.07	1.23
2	2R	37	ASN	C-N	-13.08	1.17	1.33
2	2V	37	ASN	C-N	-13.08	1.17	1.33
2	2Z	37	ASN	C-N	-13.08	1.17	1.33
2	3B	70	TRP	C-O	-13.08	1.07	1.23
2	3J	70	TRP	C-O	-13.08	1.07	1.23
2	33	70	TRP	C-O	-13.08	1.07	1.23
2	4F	70	TRP	C-O	-13.08	1.07	1.23
2	4Z	70	TRP	C-O	-13.08	1.07	1.23
2	43	37	ASN	C-N	-13.08	1.17	1.33
2	47	37	ASN	C-N	-13.08	1.17	1.33
2	5B	37	ASN	C-N	-13.08	1.17	1.33
2	5V	70	TRP	C-O	-13.08	1.07	1.23
2	53	37	ASN	C-N	-13.08	1.17	1.33
2	57	37	ASN	C-N	-13.08	1.17	1.33
2	6B	37	ASN	C-N	-13.08	1.17	1.33
2	6N	70	TRP	C-O	-13.08	1.07	1.23
2	6V	70	TRP	C-O	-13.08	1.07	1.23
2	7F	70	TRP	C-O	-13.08	1.07	1.23
2	7R	70	TRP	C-O	-13.08	1.07	1.23
2	1R	70	TRP	C-O	-13.07	1.07	1.23
2	1V	70	TRP	C-O	-13.07	1.07	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	70	TRP	C-O	-13.07	1.07	1.23
2	2R	70	TRP	C-O	-13.07	1.07	1.23
2	2V	70	TRP	C-O	-13.07	1.07	1.23
2	2Z	70	TRP	C-O	-13.07	1.07	1.23
2	43	70	TRP	C-O	-13.07	1.07	1.23
2	47	70	TRP	C-O	-13.07	1.07	1.23
2	5B	70	TRP	C-O	-13.07	1.07	1.23
2	53	70	TRP	C-O	-13.07	1.07	1.23
2	57	70	TRP	C-O	-13.07	1.07	1.23
2	6B	70	TRP	C-O	-13.07	1.07	1.23
2	1F	25	SER	CA-C	-13.07	1.35	1.52
2	1R	10	GLN	CG-CD	13.07	1.84	1.52
2	1V	10	GLN	CG-CD	13.07	1.84	1.52
2	1Z	10	GLN	CG-CD	13.07	1.84	1.52
2	2N	25	SER	CA-C	-13.07	1.35	1.52
2	2R	10	GLN	CG-CD	13.07	1.84	1.52
2	2V	10	GLN	CG-CD	13.07	1.84	1.52
2	2Z	10	GLN	CG-CD	13.07	1.84	1.52
2	23	25	SER	CA-C	-13.07	1.35	1.52
2	3N	25	SER	CA-C	-13.07	1.35	1.52
2	37	25	SER	CA-C	-13.07	1.35	1.52
2	4J	25	SER	CA-C	-13.07	1.35	1.52
2	4R	25	SER	CA-C	-13.07	1.35	1.52
2	43	10	GLN	CG-CD	13.07	1.84	1.52
2	47	10	GLN	CG-CD	13.07	1.84	1.52
2	5B	10	GLN	CG-CD	13.07	1.84	1.52
2	5Z	25	SER	CA-C	-13.07	1.35	1.52
2	53	10	GLN	CG-CD	13.07	1.84	1.52
2	57	10	GLN	CG-CD	13.07	1.84	1.52
2	6B	10	GLN	CG-CD	13.07	1.84	1.52
2	6F	25	SER	CA-C	-13.07	1.35	1.52
2	6Z	25	SER	CA-C	-13.07	1.35	1.52
2	7J	25	SER	CA-C	-13.07	1.35	1.52
2	7V	25	SER	CA-C	-13.07	1.35	1.52
2	1B	10	GLN	CG-CD	13.06	1.84	1.52
2	1J	10	GLN	CG-CD	13.06	1.84	1.52
2	2F	10	GLN	CG-CD	13.06	1.84	1.52
2	27	10	GLN	CG-CD	13.06	1.84	1.52
2	3F	10	GLN	CG-CD	13.06	1.84	1.52
2	4B	10	GLN	CG-CD	13.06	1.84	1.52
2	4N	10	GLN	CG-CD	13.06	1.84	1.52
2	4V	10	GLN	CG-CD	13.06	1.84	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	10	GLN	CG-CD	13.06	1.84	1.52
2	6J	10	GLN	CG-CD	13.06	1.84	1.52
2	6R	10	GLN	CG-CD	13.06	1.84	1.52
2	7N	10	GLN	CG-CD	13.06	1.84	1.52
2	13	68	PRO	C-N	13.06	1.51	1.33
2	17	68	PRO	C-N	13.06	1.51	1.33
2	2B	68	PRO	C-N	13.06	1.51	1.33
2	3R	68	PRO	C-N	13.06	1.51	1.33
2	3V	68	PRO	C-N	13.06	1.51	1.33
2	3Z	68	PRO	C-N	13.06	1.51	1.33
2	5F	68	PRO	C-N	13.06	1.51	1.33
2	5J	68	PRO	C-N	13.06	1.51	1.33
2	5N	68	PRO	C-N	13.06	1.51	1.33
2	63	68	PRO	C-N	13.06	1.51	1.33
2	67	68	PRO	C-N	13.06	1.51	1.33
2	7B	68	PRO	C-N	13.06	1.51	1.33
2	1N	37	ASN	C-N	-13.05	1.17	1.33
2	2J	37	ASN	C-N	-13.05	1.17	1.33
2	3B	37	ASN	C-N	-13.05	1.17	1.33
2	3J	37	ASN	C-N	-13.05	1.17	1.33
2	33	37	ASN	C-N	-13.05	1.17	1.33
2	4F	37	ASN	C-N	-13.05	1.17	1.33
2	4Z	37	ASN	C-N	-13.05	1.17	1.33
2	5V	37	ASN	C-N	-13.05	1.17	1.33
2	6N	37	ASN	C-N	-13.05	1.17	1.33
2	6V	37	ASN	C-N	-13.05	1.17	1.33
2	7F	37	ASN	C-N	-13.05	1.17	1.33
2	7R	37	ASN	C-N	-13.05	1.17	1.33
2	1B	37	ASN	C-N	-13.05	1.17	1.33
2	1F	68	PRO	C-N	13.05	1.51	1.33
2	1J	37	ASN	C-N	-13.05	1.17	1.33
2	2F	37	ASN	C-N	-13.05	1.17	1.33
2	2N	68	PRO	C-N	13.05	1.51	1.33
2	23	68	PRO	C-N	13.05	1.51	1.33
2	27	37	ASN	C-N	-13.05	1.17	1.33
2	3F	37	ASN	C-N	-13.05	1.17	1.33
2	3N	68	PRO	C-N	13.05	1.51	1.33
2	37	68	PRO	C-N	13.05	1.51	1.33
2	4B	37	ASN	C-N	-13.05	1.17	1.33
2	4J	68	PRO	C-N	13.05	1.51	1.33
2	4N	37	ASN	C-N	-13.05	1.17	1.33
2	4R	68	PRO	C-N	13.05	1.51	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4V	37	ASN	C-N	-13.05	1.17	1.33
2	5R	37	ASN	C-N	-13.05	1.17	1.33
2	5Z	68	PRO	C-N	13.05	1.51	1.33
2	6F	68	PRO	C-N	13.05	1.51	1.33
2	6J	37	ASN	C-N	-13.05	1.17	1.33
2	6R	37	ASN	C-N	-13.05	1.17	1.33
2	6Z	68	PRO	C-N	13.05	1.51	1.33
2	7J	68	PRO	C-N	13.05	1.51	1.33
2	7N	37	ASN	C-N	-13.05	1.17	1.33
2	7V	68	PRO	C-N	13.05	1.51	1.33
2	1F	10	GLN	CG-CD	13.05	1.84	1.52
2	13	10	GLN	CG-CD	13.05	1.84	1.52
2	17	10	GLN	CG-CD	13.05	1.84	1.52
2	2B	10	GLN	CG-CD	13.05	1.84	1.52
2	2N	10	GLN	CG-CD	13.05	1.84	1.52
2	23	10	GLN	CG-CD	13.05	1.84	1.52
2	3N	10	GLN	CG-CD	13.05	1.84	1.52
2	3R	10	GLN	CG-CD	13.05	1.84	1.52
2	3V	10	GLN	CG-CD	13.05	1.84	1.52
2	3Z	10	GLN	CG-CD	13.05	1.84	1.52
2	37	10	GLN	CG-CD	13.05	1.84	1.52
2	4J	10	GLN	CG-CD	13.05	1.84	1.52
2	4R	10	GLN	CG-CD	13.05	1.84	1.52
2	5F	10	GLN	CG-CD	13.05	1.84	1.52
2	5J	10	GLN	CG-CD	13.05	1.84	1.52
2	5N	10	GLN	CG-CD	13.05	1.84	1.52
2	5Z	10	GLN	CG-CD	13.05	1.84	1.52
2	6F	10	GLN	CG-CD	13.05	1.84	1.52
2	6Z	10	GLN	CG-CD	13.05	1.84	1.52
2	63	10	GLN	CG-CD	13.05	1.84	1.52
2	67	10	GLN	CG-CD	13.05	1.84	1.52
2	7B	10	GLN	CG-CD	13.05	1.84	1.52
2	7J	10	GLN	CG-CD	13.05	1.84	1.52
2	7V	10	GLN	CG-CD	13.05	1.84	1.52
1	1E	144	VAL	CA-C	13.04	1.67	1.52
1	2M	144	VAL	CA-C	13.04	1.67	1.52
1	22	144	VAL	CA-C	13.04	1.67	1.52
1	3M	144	VAL	CA-C	13.04	1.67	1.52
1	36	144	VAL	CA-C	13.04	1.67	1.52
1	4I	144	VAL	CA-C	13.04	1.67	1.52
1	4Q	144	VAL	CA-C	13.04	1.67	1.52
1	5Y	144	VAL	CA-C	13.04	1.67	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	144	VAL	CA-C	13.04	1.67	1.52
1	6Y	144	VAL	CA-C	13.04	1.67	1.52
1	7I	144	VAL	CA-C	13.04	1.67	1.52
1	7U	144	VAL	CA-C	13.04	1.67	1.52
2	1N	10	GLN	CG-CD	13.04	1.84	1.52
2	2J	10	GLN	CG-CD	13.04	1.84	1.52
2	3B	10	GLN	CG-CD	13.04	1.84	1.52
2	3J	10	GLN	CG-CD	13.04	1.84	1.52
2	33	10	GLN	CG-CD	13.04	1.84	1.52
2	4F	10	GLN	CG-CD	13.04	1.84	1.52
2	4Z	10	GLN	CG-CD	13.04	1.84	1.52
2	5V	10	GLN	CG-CD	13.04	1.84	1.52
2	6N	10	GLN	CG-CD	13.04	1.84	1.52
2	6V	10	GLN	CG-CD	13.04	1.84	1.52
2	7F	10	GLN	CG-CD	13.04	1.84	1.52
2	7R	10	GLN	CG-CD	13.04	1.84	1.52
1	1M	150	TYR	CA-C	-13.03	1.35	1.52
1	2I	150	TYR	CA-C	-13.03	1.35	1.52
1	3A	150	TYR	CA-C	-13.03	1.35	1.52
1	3I	150	TYR	CA-C	-13.03	1.35	1.52
1	32	150	TYR	CA-C	-13.03	1.35	1.52
1	4E	150	TYR	CA-C	-13.03	1.35	1.52
1	4Y	150	TYR	CA-C	-13.03	1.35	1.52
1	5U	150	TYR	CA-C	-13.03	1.35	1.52
1	6M	150	TYR	CA-C	-13.03	1.35	1.52
1	6U	150	TYR	CA-C	-13.03	1.35	1.52
1	7E	150	TYR	CA-C	-13.03	1.35	1.52
1	7Q	150	TYR	CA-C	-13.03	1.35	1.52
1	1E	166	MET	N-CA	13.00	1.62	1.45
1	2M	166	MET	N-CA	13.00	1.62	1.45
1	22	166	MET	N-CA	13.00	1.62	1.45
1	3M	166	MET	N-CA	13.00	1.62	1.45
1	36	166	MET	N-CA	13.00	1.62	1.45
1	4I	166	MET	N-CA	13.00	1.62	1.45
1	4Q	166	MET	N-CA	13.00	1.62	1.45
1	5Y	166	MET	N-CA	13.00	1.62	1.45
1	6E	166	MET	N-CA	13.00	1.62	1.45
1	6Y	166	MET	N-CA	13.00	1.62	1.45
1	7I	166	MET	N-CA	13.00	1.62	1.45
1	7U	166	MET	N-CA	13.00	1.62	1.45
1	12	166	MET	N-CA	12.99	1.62	1.45
1	16	166	MET	N-CA	12.99	1.62	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	166	MET	N-CA	12.99	1.62	1.45
1	3Q	166	MET	N-CA	12.99	1.62	1.45
1	3U	166	MET	N-CA	12.99	1.62	1.45
1	3Y	166	MET	N-CA	12.99	1.62	1.45
1	5E	166	MET	N-CA	12.99	1.62	1.45
1	5I	166	MET	N-CA	12.99	1.62	1.45
1	5M	166	MET	N-CA	12.99	1.62	1.45
1	62	166	MET	N-CA	12.99	1.62	1.45
1	66	166	MET	N-CA	12.99	1.62	1.45
1	7A	166	MET	N-CA	12.99	1.62	1.45
1	1E	77	ALA	C-O	12.99	1.39	1.23
1	1Q	77	ALA	C-O	12.99	1.39	1.23
1	1U	77	ALA	C-O	12.99	1.39	1.23
1	1Y	77	ALA	C-O	12.99	1.39	1.23
1	2M	77	ALA	C-O	12.99	1.39	1.23
1	2Q	77	ALA	C-O	12.99	1.39	1.23
1	2U	77	ALA	C-O	12.99	1.39	1.23
1	2Y	77	ALA	C-O	12.99	1.39	1.23
1	22	77	ALA	C-O	12.99	1.39	1.23
1	3M	77	ALA	C-O	12.99	1.39	1.23
1	36	77	ALA	C-O	12.99	1.39	1.23
1	4I	77	ALA	C-O	12.99	1.39	1.23
1	4Q	77	ALA	C-O	12.99	1.39	1.23
1	42	77	ALA	C-O	12.99	1.39	1.23
1	46	77	ALA	C-O	12.99	1.39	1.23
1	5A	77	ALA	C-O	12.99	1.39	1.23
1	5Y	77	ALA	C-O	12.99	1.39	1.23
1	52	77	ALA	C-O	12.99	1.39	1.23
1	56	77	ALA	C-O	12.99	1.39	1.23
1	6A	77	ALA	C-O	12.99	1.39	1.23
1	6E	77	ALA	C-O	12.99	1.39	1.23
1	6Y	77	ALA	C-O	12.99	1.39	1.23
1	7I	77	ALA	C-O	12.99	1.39	1.23
1	7U	77	ALA	C-O	12.99	1.39	1.23
2	1F	37	ASN	C-N	-12.98	1.17	1.33
2	2N	37	ASN	C-N	-12.98	1.17	1.33
2	23	37	ASN	C-N	-12.98	1.17	1.33
2	3N	37	ASN	C-N	-12.98	1.17	1.33
2	37	37	ASN	C-N	-12.98	1.17	1.33
2	4J	37	ASN	C-N	-12.98	1.17	1.33
2	4R	37	ASN	C-N	-12.98	1.17	1.33
2	5Z	37	ASN	C-N	-12.98	1.17	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	37	ASN	C-N	-12.98	1.17	1.33
2	6Z	37	ASN	C-N	-12.98	1.17	1.33
2	7J	37	ASN	C-N	-12.98	1.17	1.33
2	7V	37	ASN	C-N	-12.98	1.17	1.33
2	13	37	ASN	C-N	-12.98	1.17	1.33
2	17	37	ASN	C-N	-12.98	1.17	1.33
2	2B	37	ASN	C-N	-12.98	1.17	1.33
2	3R	37	ASN	C-N	-12.98	1.17	1.33
2	3V	37	ASN	C-N	-12.98	1.17	1.33
2	3Z	37	ASN	C-N	-12.98	1.17	1.33
2	5F	37	ASN	C-N	-12.98	1.17	1.33
2	5J	37	ASN	C-N	-12.98	1.17	1.33
2	5N	37	ASN	C-N	-12.98	1.17	1.33
2	63	37	ASN	C-N	-12.98	1.17	1.33
2	67	37	ASN	C-N	-12.98	1.17	1.33
2	7B	37	ASN	C-N	-12.98	1.17	1.33
1	1Q	150	TYR	CA-C	-12.98	1.35	1.52
1	1U	150	TYR	CA-C	-12.98	1.35	1.52
1	1Y	150	TYR	CA-C	-12.98	1.35	1.52
1	2Q	150	TYR	CA-C	-12.98	1.35	1.52
1	2U	150	TYR	CA-C	-12.98	1.35	1.52
1	2Y	150	TYR	CA-C	-12.98	1.35	1.52
1	42	150	TYR	CA-C	-12.98	1.35	1.52
1	46	150	TYR	CA-C	-12.98	1.35	1.52
1	5A	150	TYR	CA-C	-12.98	1.35	1.52
1	52	150	TYR	CA-C	-12.98	1.35	1.52
1	56	150	TYR	CA-C	-12.98	1.35	1.52
1	6A	150	TYR	CA-C	-12.98	1.35	1.52
1	1E	150	TYR	CA-C	-12.97	1.35	1.52
1	2M	150	TYR	CA-C	-12.97	1.35	1.52
1	22	150	TYR	CA-C	-12.97	1.35	1.52
1	3M	150	TYR	CA-C	-12.97	1.35	1.52
1	36	150	TYR	CA-C	-12.97	1.35	1.52
1	4I	150	TYR	CA-C	-12.97	1.35	1.52
1	4Q	150	TYR	CA-C	-12.97	1.35	1.52
1	5Y	150	TYR	CA-C	-12.97	1.35	1.52
1	6E	150	TYR	CA-C	-12.97	1.35	1.52
1	6Y	150	TYR	CA-C	-12.97	1.35	1.52
1	7I	150	TYR	CA-C	-12.97	1.35	1.52
1	7U	150	TYR	CA-C	-12.97	1.35	1.52
1	1A	77	ALA	C-O	12.96	1.38	1.23
1	1I	77	ALA	C-O	12.96	1.38	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	77	ALA	C-O	12.96	1.38	1.23
1	26	77	ALA	C-O	12.96	1.38	1.23
1	3E	77	ALA	C-O	12.96	1.38	1.23
1	4A	77	ALA	C-O	12.96	1.38	1.23
1	4M	77	ALA	C-O	12.96	1.38	1.23
1	4U	77	ALA	C-O	12.96	1.38	1.23
1	5Q	77	ALA	C-O	12.96	1.38	1.23
1	6I	77	ALA	C-O	12.96	1.38	1.23
1	6Q	77	ALA	C-O	12.96	1.38	1.23
1	7M	77	ALA	C-O	12.96	1.38	1.23
1	1A	150	TYR	CA-C	-12.95	1.35	1.52
1	1E	40	SER	CA-CB	12.95	1.75	1.53
1	1I	150	TYR	CA-C	-12.95	1.35	1.52
1	2E	150	TYR	CA-C	-12.95	1.35	1.52
1	2M	40	SER	CA-CB	12.95	1.75	1.53
1	22	40	SER	CA-CB	12.95	1.75	1.53
1	26	150	TYR	CA-C	-12.95	1.35	1.52
1	3E	150	TYR	CA-C	-12.95	1.35	1.52
1	3M	40	SER	CA-CB	12.95	1.75	1.53
1	36	40	SER	CA-CB	12.95	1.75	1.53
1	4A	150	TYR	CA-C	-12.95	1.35	1.52
1	4I	40	SER	CA-CB	12.95	1.75	1.53
1	4M	150	TYR	CA-C	-12.95	1.35	1.52
1	4Q	40	SER	CA-CB	12.95	1.75	1.53
1	4U	150	TYR	CA-C	-12.95	1.35	1.52
1	5Q	150	TYR	CA-C	-12.95	1.35	1.52
1	5Y	40	SER	CA-CB	12.95	1.75	1.53
1	6E	40	SER	CA-CB	12.95	1.75	1.53
1	6I	150	TYR	CA-C	-12.95	1.35	1.52
1	6Q	150	TYR	CA-C	-12.95	1.35	1.52
1	6Y	40	SER	CA-CB	12.95	1.75	1.53
1	7I	40	SER	CA-CB	12.95	1.75	1.53
1	7M	150	TYR	CA-C	-12.95	1.35	1.52
1	7U	40	SER	CA-CB	12.95	1.75	1.53
1	12	40	SER	CA-CB	12.95	1.75	1.53
1	16	40	SER	CA-CB	12.95	1.75	1.53
1	2A	40	SER	CA-CB	12.95	1.75	1.53
1	3Q	40	SER	CA-CB	12.95	1.75	1.53
1	3U	40	SER	CA-CB	12.95	1.75	1.53
1	3Y	40	SER	CA-CB	12.95	1.75	1.53
1	5E	40	SER	CA-CB	12.95	1.75	1.53
1	5I	40	SER	CA-CB	12.95	1.75	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	40	SER	CA-CB	12.95	1.75	1.53
1	62	40	SER	CA-CB	12.95	1.75	1.53
1	66	40	SER	CA-CB	12.95	1.75	1.53
1	7A	40	SER	CA-CB	12.95	1.75	1.53
1	12	77	ALA	C-O	12.94	1.38	1.23
1	16	77	ALA	C-O	12.94	1.38	1.23
1	2A	77	ALA	C-O	12.94	1.38	1.23
1	3Q	77	ALA	C-O	12.94	1.38	1.23
1	3U	77	ALA	C-O	12.94	1.38	1.23
1	3Y	77	ALA	C-O	12.94	1.38	1.23
1	5E	77	ALA	C-O	12.94	1.38	1.23
1	5I	77	ALA	C-O	12.94	1.38	1.23
1	5M	77	ALA	C-O	12.94	1.38	1.23
1	62	77	ALA	C-O	12.94	1.38	1.23
1	66	77	ALA	C-O	12.94	1.38	1.23
1	7A	77	ALA	C-O	12.94	1.38	1.23
1	1A	166	MET	N-CA	12.94	1.62	1.45
1	1I	166	MET	N-CA	12.94	1.62	1.45
1	1M	77	ALA	C-O	12.94	1.38	1.23
1	2E	166	MET	N-CA	12.94	1.62	1.45
1	2I	77	ALA	C-O	12.94	1.38	1.23
1	26	166	MET	N-CA	12.94	1.62	1.45
1	3A	77	ALA	C-O	12.94	1.38	1.23
1	3E	166	MET	N-CA	12.94	1.62	1.45
1	3I	77	ALA	C-O	12.94	1.38	1.23
1	32	77	ALA	C-O	12.94	1.38	1.23
1	4A	166	MET	N-CA	12.94	1.62	1.45
1	4E	77	ALA	C-O	12.94	1.38	1.23
1	4M	166	MET	N-CA	12.94	1.62	1.45
1	4U	166	MET	N-CA	12.94	1.62	1.45
1	4Y	77	ALA	C-O	12.94	1.38	1.23
1	5Q	166	MET	N-CA	12.94	1.62	1.45
1	5U	77	ALA	C-O	12.94	1.38	1.23
1	6I	166	MET	N-CA	12.94	1.62	1.45
1	6M	77	ALA	C-O	12.94	1.38	1.23
1	6Q	166	MET	N-CA	12.94	1.62	1.45
1	6U	77	ALA	C-O	12.94	1.38	1.23
1	7E	77	ALA	C-O	12.94	1.38	1.23
1	7M	166	MET	N-CA	12.94	1.62	1.45
1	7Q	77	ALA	C-O	12.94	1.38	1.23
1	1A	40	SER	CA-CB	12.93	1.75	1.53
1	1I	40	SER	CA-CB	12.93	1.75	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Q	90	PHE	CA-CB	-12.93	1.30	1.52
1	1U	90	PHE	CA-CB	-12.93	1.30	1.52
1	1Y	90	PHE	CA-CB	-12.93	1.30	1.52
1	12	150	TYR	CA-C	-12.93	1.35	1.52
1	16	150	TYR	CA-C	-12.93	1.35	1.52
1	2A	150	TYR	CA-C	-12.93	1.35	1.52
1	2E	40	SER	CA-CB	12.93	1.75	1.53
1	2Q	90	PHE	CA-CB	-12.93	1.30	1.52
1	2U	90	PHE	CA-CB	-12.93	1.30	1.52
1	2Y	90	PHE	CA-CB	-12.93	1.30	1.52
1	26	40	SER	CA-CB	12.93	1.75	1.53
1	3E	40	SER	CA-CB	12.93	1.75	1.53
1	3Q	150	TYR	CA-C	-12.93	1.35	1.52
1	3U	150	TYR	CA-C	-12.93	1.35	1.52
1	3Y	150	TYR	CA-C	-12.93	1.35	1.52
1	4A	40	SER	CA-CB	12.93	1.75	1.53
1	4M	40	SER	CA-CB	12.93	1.75	1.53
1	4U	40	SER	CA-CB	12.93	1.75	1.53
1	42	90	PHE	CA-CB	-12.93	1.30	1.52
1	46	90	PHE	CA-CB	-12.93	1.30	1.52
1	5A	90	PHE	CA-CB	-12.93	1.30	1.52
1	5E	150	TYR	CA-C	-12.93	1.35	1.52
1	5I	150	TYR	CA-C	-12.93	1.35	1.52
1	5M	150	TYR	CA-C	-12.93	1.35	1.52
1	5Q	40	SER	CA-CB	12.93	1.75	1.53
1	52	90	PHE	CA-CB	-12.93	1.30	1.52
1	56	90	PHE	CA-CB	-12.93	1.30	1.52
1	6A	90	PHE	CA-CB	-12.93	1.30	1.52
1	6I	40	SER	CA-CB	12.93	1.75	1.53
1	6Q	40	SER	CA-CB	12.93	1.75	1.53
1	62	150	TYR	CA-C	-12.93	1.35	1.52
1	66	150	TYR	CA-C	-12.93	1.35	1.52
1	7A	150	TYR	CA-C	-12.93	1.35	1.52
1	7M	40	SER	CA-CB	12.93	1.75	1.53
1	1Q	166	MET	N-CA	12.93	1.62	1.45
1	1U	166	MET	N-CA	12.93	1.62	1.45
1	1Y	166	MET	N-CA	12.93	1.62	1.45
1	2Q	166	MET	N-CA	12.93	1.62	1.45
1	2U	166	MET	N-CA	12.93	1.62	1.45
1	2Y	166	MET	N-CA	12.93	1.62	1.45
1	42	166	MET	N-CA	12.93	1.62	1.45
1	46	166	MET	N-CA	12.93	1.62	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	166	MET	N-CA	12.93	1.62	1.45
1	52	166	MET	N-CA	12.93	1.62	1.45
1	56	166	MET	N-CA	12.93	1.62	1.45
1	6A	166	MET	N-CA	12.93	1.62	1.45
1	1M	166	MET	N-CA	12.92	1.62	1.45
1	2I	166	MET	N-CA	12.92	1.62	1.45
1	3A	166	MET	N-CA	12.92	1.62	1.45
1	3I	166	MET	N-CA	12.92	1.62	1.45
1	32	166	MET	N-CA	12.92	1.62	1.45
1	4E	166	MET	N-CA	12.92	1.62	1.45
1	4Y	166	MET	N-CA	12.92	1.62	1.45
1	5U	166	MET	N-CA	12.92	1.62	1.45
1	6M	166	MET	N-CA	12.92	1.62	1.45
1	6U	166	MET	N-CA	12.92	1.62	1.45
1	7E	166	MET	N-CA	12.92	1.62	1.45
1	7Q	166	MET	N-CA	12.92	1.62	1.45
1	1Q	40	SER	CA-CB	12.92	1.75	1.53
1	1U	40	SER	CA-CB	12.92	1.75	1.53
1	1Y	40	SER	CA-CB	12.92	1.75	1.53
1	2Q	40	SER	CA-CB	12.92	1.75	1.53
1	2U	40	SER	CA-CB	12.92	1.75	1.53
1	2Y	40	SER	CA-CB	12.92	1.75	1.53
1	42	40	SER	CA-CB	12.92	1.75	1.53
1	46	40	SER	CA-CB	12.92	1.75	1.53
1	5A	40	SER	CA-CB	12.92	1.75	1.53
1	52	40	SER	CA-CB	12.92	1.75	1.53
1	56	40	SER	CA-CB	12.92	1.75	1.53
1	6A	40	SER	CA-CB	12.92	1.75	1.53
1	1A	90	PHE	CA-CB	-12.91	1.30	1.52
1	1I	90	PHE	CA-CB	-12.91	1.30	1.52
1	2E	90	PHE	CA-CB	-12.91	1.30	1.52
1	26	90	PHE	CA-CB	-12.91	1.30	1.52
1	3E	90	PHE	CA-CB	-12.91	1.30	1.52
1	4A	90	PHE	CA-CB	-12.91	1.30	1.52
1	4M	90	PHE	CA-CB	-12.91	1.30	1.52
1	4U	90	PHE	CA-CB	-12.91	1.30	1.52
1	5Q	90	PHE	CA-CB	-12.91	1.30	1.52
1	6I	90	PHE	CA-CB	-12.91	1.30	1.52
1	6Q	90	PHE	CA-CB	-12.91	1.30	1.52
1	7M	90	PHE	CA-CB	-12.91	1.30	1.52
1	1E	90	PHE	CA-CB	-12.91	1.30	1.52
1	1M	40	SER	CA-CB	12.91	1.75	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2I	40	SER	CA-CB	12.91	1.75	1.53
1	2M	90	PHE	CA-CB	-12.91	1.30	1.52
1	22	90	PHE	CA-CB	-12.91	1.30	1.52
1	3A	40	SER	CA-CB	12.91	1.75	1.53
1	3I	40	SER	CA-CB	12.91	1.75	1.53
1	3M	90	PHE	CA-CB	-12.91	1.30	1.52
1	32	40	SER	CA-CB	12.91	1.75	1.53
1	36	90	PHE	CA-CB	-12.91	1.30	1.52
1	4E	40	SER	CA-CB	12.91	1.75	1.53
1	4I	90	PHE	CA-CB	-12.91	1.30	1.52
1	4Q	90	PHE	CA-CB	-12.91	1.30	1.52
1	4Y	40	SER	CA-CB	12.91	1.75	1.53
1	5U	40	SER	CA-CB	12.91	1.75	1.53
1	5Y	90	PHE	CA-CB	-12.91	1.30	1.52
1	6E	90	PHE	CA-CB	-12.91	1.30	1.52
1	6M	40	SER	CA-CB	12.91	1.75	1.53
1	6U	40	SER	CA-CB	12.91	1.75	1.53
1	6Y	90	PHE	CA-CB	-12.91	1.30	1.52
1	7E	40	SER	CA-CB	12.91	1.75	1.53
1	7I	90	PHE	CA-CB	-12.91	1.30	1.52
1	7Q	40	SER	CA-CB	12.91	1.75	1.53
1	7U	90	PHE	CA-CB	-12.91	1.30	1.52
1	1M	90	PHE	CA-CB	-12.89	1.30	1.52
1	2I	90	PHE	CA-CB	-12.89	1.30	1.52
1	3A	90	PHE	CA-CB	-12.89	1.30	1.52
1	3I	90	PHE	CA-CB	-12.89	1.30	1.52
1	32	90	PHE	CA-CB	-12.89	1.30	1.52
1	4E	90	PHE	CA-CB	-12.89	1.30	1.52
1	4Y	90	PHE	CA-CB	-12.89	1.30	1.52
1	5U	90	PHE	CA-CB	-12.89	1.30	1.52
1	6M	90	PHE	CA-CB	-12.89	1.30	1.52
1	6U	90	PHE	CA-CB	-12.89	1.30	1.52
1	7E	90	PHE	CA-CB	-12.89	1.30	1.52
1	7Q	90	PHE	CA-CB	-12.89	1.30	1.52
1	12	90	PHE	CA-CB	-12.89	1.30	1.52
1	16	90	PHE	CA-CB	-12.89	1.30	1.52
1	2A	90	PHE	CA-CB	-12.89	1.30	1.52
1	3Q	90	PHE	CA-CB	-12.89	1.30	1.52
1	3U	90	PHE	CA-CB	-12.89	1.30	1.52
1	3Y	90	PHE	CA-CB	-12.89	1.30	1.52
1	5E	90	PHE	CA-CB	-12.89	1.30	1.52
1	5I	90	PHE	CA-CB	-12.89	1.30	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	90	PHE	CA-CB	-12.89	1.30	1.52
1	62	90	PHE	CA-CB	-12.89	1.30	1.52
1	66	90	PHE	CA-CB	-12.89	1.30	1.52
1	7A	90	PHE	CA-CB	-12.89	1.30	1.52
1	1Q	93	ALA	N-CA	-12.88	1.29	1.46
1	1U	93	ALA	N-CA	-12.88	1.29	1.46
1	1Y	93	ALA	N-CA	-12.88	1.29	1.46
1	2Q	93	ALA	N-CA	-12.88	1.29	1.46
1	2U	93	ALA	N-CA	-12.88	1.29	1.46
1	2Y	93	ALA	N-CA	-12.88	1.29	1.46
1	42	93	ALA	N-CA	-12.88	1.29	1.46
1	46	93	ALA	N-CA	-12.88	1.29	1.46
1	5A	93	ALA	N-CA	-12.88	1.29	1.46
1	52	93	ALA	N-CA	-12.88	1.29	1.46
1	56	93	ALA	N-CA	-12.88	1.29	1.46
1	6A	93	ALA	N-CA	-12.88	1.29	1.46
1	1A	93	ALA	N-CA	-12.87	1.29	1.46
1	1I	93	ALA	N-CA	-12.87	1.29	1.46
1	2E	93	ALA	N-CA	-12.87	1.29	1.46
1	26	93	ALA	N-CA	-12.87	1.29	1.46
1	3E	93	ALA	N-CA	-12.87	1.29	1.46
1	4A	93	ALA	N-CA	-12.87	1.29	1.46
1	4M	93	ALA	N-CA	-12.87	1.29	1.46
1	4U	93	ALA	N-CA	-12.87	1.29	1.46
1	5Q	93	ALA	N-CA	-12.87	1.29	1.46
1	6I	93	ALA	N-CA	-12.87	1.29	1.46
1	6Q	93	ALA	N-CA	-12.87	1.29	1.46
1	7M	93	ALA	N-CA	-12.87	1.29	1.46
1	1M	93	ALA	N-CA	-12.85	1.29	1.46
1	2I	93	ALA	N-CA	-12.85	1.29	1.46
1	3A	93	ALA	N-CA	-12.85	1.29	1.46
1	3I	93	ALA	N-CA	-12.85	1.29	1.46
1	32	93	ALA	N-CA	-12.85	1.29	1.46
1	4E	93	ALA	N-CA	-12.85	1.29	1.46
1	4Y	93	ALA	N-CA	-12.85	1.29	1.46
1	5U	93	ALA	N-CA	-12.85	1.29	1.46
1	6M	93	ALA	N-CA	-12.85	1.29	1.46
1	6U	93	ALA	N-CA	-12.85	1.29	1.46
1	7E	93	ALA	N-CA	-12.85	1.29	1.46
1	7Q	93	ALA	N-CA	-12.85	1.29	1.46
1	1A	146	ASN	C-O	12.85	1.38	1.23
1	1I	146	ASN	C-O	12.85	1.38	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	146	ASN	C-O	12.85	1.38	1.23
1	26	146	ASN	C-O	12.85	1.38	1.23
1	3E	146	ASN	C-O	12.85	1.38	1.23
1	4A	146	ASN	C-O	12.85	1.38	1.23
1	4M	146	ASN	C-O	12.85	1.38	1.23
1	4U	146	ASN	C-O	12.85	1.38	1.23
1	5Q	146	ASN	C-O	12.85	1.38	1.23
1	6I	146	ASN	C-O	12.85	1.38	1.23
1	6Q	146	ASN	C-O	12.85	1.38	1.23
1	7M	146	ASN	C-O	12.85	1.38	1.23
1	1E	146	ASN	C-O	12.85	1.38	1.23
1	2M	146	ASN	C-O	12.85	1.38	1.23
1	22	146	ASN	C-O	12.85	1.38	1.23
1	3M	146	ASN	C-O	12.85	1.38	1.23
1	36	146	ASN	C-O	12.85	1.38	1.23
1	4I	146	ASN	C-O	12.85	1.38	1.23
1	4Q	146	ASN	C-O	12.85	1.38	1.23
1	5Y	146	ASN	C-O	12.85	1.38	1.23
1	6E	146	ASN	C-O	12.85	1.38	1.23
1	6Y	146	ASN	C-O	12.85	1.38	1.23
1	7I	146	ASN	C-O	12.85	1.38	1.23
1	7U	146	ASN	C-O	12.85	1.38	1.23
1	12	156	SER	C-N	12.84	1.50	1.33
1	16	156	SER	C-N	12.84	1.50	1.33
1	2A	156	SER	C-N	12.84	1.50	1.33
1	3Q	156	SER	C-N	12.84	1.50	1.33
1	3U	156	SER	C-N	12.84	1.50	1.33
1	3Y	156	SER	C-N	12.84	1.50	1.33
1	5E	156	SER	C-N	12.84	1.50	1.33
1	5I	156	SER	C-N	12.84	1.50	1.33
1	5M	156	SER	C-N	12.84	1.50	1.33
1	62	156	SER	C-N	12.84	1.50	1.33
1	66	156	SER	C-N	12.84	1.50	1.33
1	7A	156	SER	C-N	12.84	1.50	1.33
1	1E	156	SER	C-N	12.84	1.50	1.33
1	1M	146	ASN	C-O	12.84	1.38	1.23
1	1Q	156	SER	C-N	12.84	1.50	1.33
1	1U	156	SER	C-N	12.84	1.50	1.33
1	1Y	156	SER	C-N	12.84	1.50	1.33
1	2I	146	ASN	C-O	12.84	1.38	1.23
1	2M	156	SER	C-N	12.84	1.50	1.33
1	2Q	156	SER	C-N	12.84	1.50	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2U	156	SER	C-N	12.84	1.50	1.33
1	2Y	156	SER	C-N	12.84	1.50	1.33
1	22	156	SER	C-N	12.84	1.50	1.33
1	3A	146	ASN	C-O	12.84	1.38	1.23
1	3I	146	ASN	C-O	12.84	1.38	1.23
1	3M	156	SER	C-N	12.84	1.50	1.33
1	32	146	ASN	C-O	12.84	1.38	1.23
1	36	156	SER	C-N	12.84	1.50	1.33
1	4E	146	ASN	C-O	12.84	1.38	1.23
1	4I	156	SER	C-N	12.84	1.50	1.33
1	4Q	156	SER	C-N	12.84	1.50	1.33
1	4Y	146	ASN	C-O	12.84	1.38	1.23
1	42	156	SER	C-N	12.84	1.50	1.33
1	46	156	SER	C-N	12.84	1.50	1.33
1	5A	156	SER	C-N	12.84	1.50	1.33
1	5U	146	ASN	C-O	12.84	1.38	1.23
1	5Y	156	SER	C-N	12.84	1.50	1.33
1	52	156	SER	C-N	12.84	1.50	1.33
1	56	156	SER	C-N	12.84	1.50	1.33
1	6A	156	SER	C-N	12.84	1.50	1.33
1	6E	156	SER	C-N	12.84	1.50	1.33
1	6M	146	ASN	C-O	12.84	1.38	1.23
1	6U	146	ASN	C-O	12.84	1.38	1.23
1	6Y	156	SER	C-N	12.84	1.50	1.33
1	7E	146	ASN	C-O	12.84	1.38	1.23
1	7I	156	SER	C-N	12.84	1.50	1.33
1	7Q	146	ASN	C-O	12.84	1.38	1.23
1	7U	156	SER	C-N	12.84	1.50	1.33
1	1Q	50	ARG	CD-NE	-12.83	1.28	1.46
1	1U	50	ARG	CD-NE	-12.83	1.28	1.46
1	1Y	50	ARG	CD-NE	-12.83	1.28	1.46
1	2Q	50	ARG	CD-NE	-12.83	1.28	1.46
1	2U	50	ARG	CD-NE	-12.83	1.28	1.46
1	2Y	50	ARG	CD-NE	-12.83	1.28	1.46
1	42	50	ARG	CD-NE	-12.83	1.28	1.46
1	46	50	ARG	CD-NE	-12.83	1.28	1.46
1	5A	50	ARG	CD-NE	-12.83	1.28	1.46
1	52	50	ARG	CD-NE	-12.83	1.28	1.46
1	56	50	ARG	CD-NE	-12.83	1.28	1.46
1	6A	50	ARG	CD-NE	-12.83	1.28	1.46
1	1A	156	SER	C-N	12.83	1.50	1.33
1	1E	93	ALA	N-CA	-12.83	1.29	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1I	156	SER	C-N	12.83	1.50	1.33
1	1M	156	SER	C-N	12.83	1.50	1.33
1	2E	156	SER	C-N	12.83	1.50	1.33
1	2I	156	SER	C-N	12.83	1.50	1.33
1	2M	93	ALA	N-CA	-12.83	1.29	1.46
1	22	93	ALA	N-CA	-12.83	1.29	1.46
1	26	156	SER	C-N	12.83	1.50	1.33
1	3A	156	SER	C-N	12.83	1.50	1.33
1	3E	156	SER	C-N	12.83	1.50	1.33
1	3I	156	SER	C-N	12.83	1.50	1.33
1	3M	93	ALA	N-CA	-12.83	1.29	1.46
1	32	156	SER	C-N	12.83	1.50	1.33
1	36	93	ALA	N-CA	-12.83	1.29	1.46
1	4A	156	SER	C-N	12.83	1.50	1.33
1	4E	156	SER	C-N	12.83	1.50	1.33
1	4I	93	ALA	N-CA	-12.83	1.29	1.46
1	4M	156	SER	C-N	12.83	1.50	1.33
1	4Q	93	ALA	N-CA	-12.83	1.29	1.46
1	4U	156	SER	C-N	12.83	1.50	1.33
1	4Y	156	SER	C-N	12.83	1.50	1.33
1	5Q	156	SER	C-N	12.83	1.50	1.33
1	5U	156	SER	C-N	12.83	1.50	1.33
1	5Y	93	ALA	N-CA	-12.83	1.29	1.46
1	6E	93	ALA	N-CA	-12.83	1.29	1.46
1	6I	156	SER	C-N	12.83	1.50	1.33
1	6M	156	SER	C-N	12.83	1.50	1.33
1	6Q	156	SER	C-N	12.83	1.50	1.33
1	6U	156	SER	C-N	12.83	1.50	1.33
1	6Y	93	ALA	N-CA	-12.83	1.29	1.46
1	7E	156	SER	C-N	12.83	1.50	1.33
1	7I	93	ALA	N-CA	-12.83	1.29	1.46
1	7M	156	SER	C-N	12.83	1.50	1.33
1	7Q	156	SER	C-N	12.83	1.50	1.33
1	7U	93	ALA	N-CA	-12.83	1.29	1.46
1	1Q	146	ASN	C-O	12.82	1.38	1.23
1	1U	146	ASN	C-O	12.82	1.38	1.23
1	1Y	146	ASN	C-O	12.82	1.38	1.23
1	2Q	146	ASN	C-O	12.82	1.38	1.23
1	2U	146	ASN	C-O	12.82	1.38	1.23
1	2Y	146	ASN	C-O	12.82	1.38	1.23
1	42	146	ASN	C-O	12.82	1.38	1.23
1	46	146	ASN	C-O	12.82	1.38	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	146	ASN	C-O	12.82	1.38	1.23
1	52	146	ASN	C-O	12.82	1.38	1.23
1	56	146	ASN	C-O	12.82	1.38	1.23
1	6A	146	ASN	C-O	12.82	1.38	1.23
1	1E	50	ARG	CD-NE	-12.82	1.28	1.46
1	2M	50	ARG	CD-NE	-12.82	1.28	1.46
1	22	50	ARG	CD-NE	-12.82	1.28	1.46
1	3M	50	ARG	CD-NE	-12.82	1.28	1.46
1	36	50	ARG	CD-NE	-12.82	1.28	1.46
1	4I	50	ARG	CD-NE	-12.82	1.28	1.46
1	4Q	50	ARG	CD-NE	-12.82	1.28	1.46
1	5Y	50	ARG	CD-NE	-12.82	1.28	1.46
1	6E	50	ARG	CD-NE	-12.82	1.28	1.46
1	6Y	50	ARG	CD-NE	-12.82	1.28	1.46
1	7I	50	ARG	CD-NE	-12.82	1.28	1.46
1	7U	50	ARG	CD-NE	-12.82	1.28	1.46
1	12	146	ASN	C-O	12.82	1.38	1.23
1	16	146	ASN	C-O	12.82	1.38	1.23
1	2A	146	ASN	C-O	12.82	1.38	1.23
1	3Q	146	ASN	C-O	12.82	1.38	1.23
1	3U	146	ASN	C-O	12.82	1.38	1.23
1	3Y	146	ASN	C-O	12.82	1.38	1.23
1	5E	146	ASN	C-O	12.82	1.38	1.23
1	5I	146	ASN	C-O	12.82	1.38	1.23
1	5M	146	ASN	C-O	12.82	1.38	1.23
1	62	146	ASN	C-O	12.82	1.38	1.23
1	66	146	ASN	C-O	12.82	1.38	1.23
1	7A	146	ASN	C-O	12.82	1.38	1.23
1	1A	19	SER	C-O	12.82	1.42	1.23
1	1A	50	ARG	CD-NE	-12.82	1.28	1.46
1	1I	19	SER	C-O	12.82	1.42	1.23
1	1I	50	ARG	CD-NE	-12.82	1.28	1.46
1	1M	50	ARG	CD-NE	-12.82	1.28	1.46
1	2E	19	SER	C-O	12.82	1.42	1.23
1	2E	50	ARG	CD-NE	-12.82	1.28	1.46
1	2I	50	ARG	CD-NE	-12.82	1.28	1.46
1	26	19	SER	C-O	12.82	1.42	1.23
1	26	50	ARG	CD-NE	-12.82	1.28	1.46
1	3A	50	ARG	CD-NE	-12.82	1.28	1.46
1	3E	19	SER	C-O	12.82	1.42	1.23
1	3E	50	ARG	CD-NE	-12.82	1.28	1.46
1	3I	50	ARG	CD-NE	-12.82	1.28	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	32	50	ARG	CD-NE	-12.82	1.28	1.46
1	4A	19	SER	C-O	12.82	1.42	1.23
1	4A	50	ARG	CD-NE	-12.82	1.28	1.46
1	4E	50	ARG	CD-NE	-12.82	1.28	1.46
1	4M	19	SER	C-O	12.82	1.42	1.23
1	4M	50	ARG	CD-NE	-12.82	1.28	1.46
1	4U	19	SER	C-O	12.82	1.42	1.23
1	4U	50	ARG	CD-NE	-12.82	1.28	1.46
1	4Y	50	ARG	CD-NE	-12.82	1.28	1.46
1	5Q	19	SER	C-O	12.82	1.42	1.23
1	5Q	50	ARG	CD-NE	-12.82	1.28	1.46
1	5U	50	ARG	CD-NE	-12.82	1.28	1.46
1	6I	19	SER	C-O	12.82	1.42	1.23
1	6I	50	ARG	CD-NE	-12.82	1.28	1.46
1	6M	50	ARG	CD-NE	-12.82	1.28	1.46
1	6Q	19	SER	C-O	12.82	1.42	1.23
1	6Q	50	ARG	CD-NE	-12.82	1.28	1.46
1	6U	50	ARG	CD-NE	-12.82	1.28	1.46
1	7E	50	ARG	CD-NE	-12.82	1.28	1.46
1	7M	19	SER	C-O	12.82	1.42	1.23
1	7M	50	ARG	CD-NE	-12.82	1.28	1.46
1	7Q	50	ARG	CD-NE	-12.82	1.28	1.46
1	12	50	ARG	CD-NE	-12.81	1.28	1.46
1	16	50	ARG	CD-NE	-12.81	1.28	1.46
1	2A	50	ARG	CD-NE	-12.81	1.28	1.46
1	3Q	50	ARG	CD-NE	-12.81	1.28	1.46
1	3U	50	ARG	CD-NE	-12.81	1.28	1.46
1	3Y	50	ARG	CD-NE	-12.81	1.28	1.46
1	5E	50	ARG	CD-NE	-12.81	1.28	1.46
1	5I	50	ARG	CD-NE	-12.81	1.28	1.46
1	5M	50	ARG	CD-NE	-12.81	1.28	1.46
1	62	50	ARG	CD-NE	-12.81	1.28	1.46
1	66	50	ARG	CD-NE	-12.81	1.28	1.46
1	7A	50	ARG	CD-NE	-12.81	1.28	1.46
1	1M	19	SER	C-O	12.80	1.42	1.23
1	2I	19	SER	C-O	12.80	1.42	1.23
1	3A	19	SER	C-O	12.80	1.42	1.23
1	3I	19	SER	C-O	12.80	1.42	1.23
1	32	19	SER	C-O	12.80	1.42	1.23
1	4E	19	SER	C-O	12.80	1.42	1.23
1	4Y	19	SER	C-O	12.80	1.42	1.23
1	5U	19	SER	C-O	12.80	1.42	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	19	SER	C-O	12.80	1.42	1.23
1	6U	19	SER	C-O	12.80	1.42	1.23
1	7E	19	SER	C-O	12.80	1.42	1.23
1	7Q	19	SER	C-O	12.80	1.42	1.23
2	1F	16	ASN	C-N	-12.80	1.17	1.33
1	12	19	SER	C-O	12.80	1.42	1.23
1	12	93	ALA	N-CA	-12.80	1.29	1.46
1	16	19	SER	C-O	12.80	1.42	1.23
1	16	93	ALA	N-CA	-12.80	1.29	1.46
1	2A	19	SER	C-O	12.80	1.42	1.23
1	2A	93	ALA	N-CA	-12.80	1.29	1.46
2	2N	16	ASN	C-N	-12.80	1.17	1.33
2	23	16	ASN	C-N	-12.80	1.17	1.33
2	3N	16	ASN	C-N	-12.80	1.17	1.33
1	3Q	19	SER	C-O	12.80	1.42	1.23
1	3Q	93	ALA	N-CA	-12.80	1.29	1.46
1	3U	19	SER	C-O	12.80	1.42	1.23
1	3U	93	ALA	N-CA	-12.80	1.29	1.46
1	3Y	19	SER	C-O	12.80	1.42	1.23
1	3Y	93	ALA	N-CA	-12.80	1.29	1.46
2	37	16	ASN	C-N	-12.80	1.17	1.33
2	4J	16	ASN	C-N	-12.80	1.17	1.33
2	4R	16	ASN	C-N	-12.80	1.17	1.33
1	5E	19	SER	C-O	12.80	1.42	1.23
1	5E	93	ALA	N-CA	-12.80	1.29	1.46
1	5I	19	SER	C-O	12.80	1.42	1.23
1	5I	93	ALA	N-CA	-12.80	1.29	1.46
1	5M	19	SER	C-O	12.80	1.42	1.23
1	5M	93	ALA	N-CA	-12.80	1.29	1.46
2	5Z	16	ASN	C-N	-12.80	1.17	1.33
2	6F	16	ASN	C-N	-12.80	1.17	1.33
2	6Z	16	ASN	C-N	-12.80	1.17	1.33
1	62	19	SER	C-O	12.80	1.42	1.23
1	62	93	ALA	N-CA	-12.80	1.29	1.46
1	66	19	SER	C-O	12.80	1.42	1.23
1	66	93	ALA	N-CA	-12.80	1.29	1.46
1	7A	19	SER	C-O	12.80	1.42	1.23
1	7A	93	ALA	N-CA	-12.80	1.29	1.46
2	7J	16	ASN	C-N	-12.80	1.17	1.33
2	7V	16	ASN	C-N	-12.80	1.17	1.33
1	1E	19	SER	C-O	12.79	1.42	1.23
1	2M	19	SER	C-O	12.79	1.42	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	19	SER	C-O	12.79	1.42	1.23
1	3M	19	SER	C-O	12.79	1.42	1.23
1	36	19	SER	C-O	12.79	1.42	1.23
1	4I	19	SER	C-O	12.79	1.42	1.23
1	4Q	19	SER	C-O	12.79	1.42	1.23
1	5Y	19	SER	C-O	12.79	1.42	1.23
1	6E	19	SER	C-O	12.79	1.42	1.23
1	6Y	19	SER	C-O	12.79	1.42	1.23
1	7I	19	SER	C-O	12.79	1.42	1.23
1	7U	19	SER	C-O	12.79	1.42	1.23
1	1Q	19	SER	C-O	12.79	1.42	1.23
1	1U	19	SER	C-O	12.79	1.42	1.23
1	1Y	19	SER	C-O	12.79	1.42	1.23
1	2Q	19	SER	C-O	12.79	1.42	1.23
1	2U	19	SER	C-O	12.79	1.42	1.23
1	2Y	19	SER	C-O	12.79	1.42	1.23
1	42	19	SER	C-O	12.79	1.42	1.23
1	46	19	SER	C-O	12.79	1.42	1.23
1	5A	19	SER	C-O	12.79	1.42	1.23
1	52	19	SER	C-O	12.79	1.42	1.23
1	56	19	SER	C-O	12.79	1.42	1.23
1	6A	19	SER	C-O	12.79	1.42	1.23
2	1F	21	THR	CB-CG2	12.77	1.94	1.52
2	2N	21	THR	CB-CG2	12.77	1.94	1.52
2	23	21	THR	CB-CG2	12.77	1.94	1.52
2	3N	21	THR	CB-CG2	12.77	1.94	1.52
2	37	21	THR	CB-CG2	12.77	1.94	1.52
2	4J	21	THR	CB-CG2	12.77	1.94	1.52
2	4R	21	THR	CB-CG2	12.77	1.94	1.52
2	5Z	21	THR	CB-CG2	12.77	1.94	1.52
2	6F	21	THR	CB-CG2	12.77	1.94	1.52
2	6Z	21	THR	CB-CG2	12.77	1.94	1.52
2	7J	21	THR	CB-CG2	12.77	1.94	1.52
2	7V	21	THR	CB-CG2	12.77	1.94	1.52
2	1B	47	ASP	CG-OD1	12.76	1.49	1.25
2	1J	47	ASP	CG-OD1	12.76	1.49	1.25
2	2F	47	ASP	CG-OD1	12.76	1.49	1.25
2	27	47	ASP	CG-OD1	12.76	1.49	1.25
2	3F	47	ASP	CG-OD1	12.76	1.49	1.25
2	4B	47	ASP	CG-OD1	12.76	1.49	1.25
2	4N	47	ASP	CG-OD1	12.76	1.49	1.25
2	4V	47	ASP	CG-OD1	12.76	1.49	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	47	ASP	CG-OD1	12.76	1.49	1.25
2	6J	47	ASP	CG-OD1	12.76	1.49	1.25
2	6R	47	ASP	CG-OD1	12.76	1.49	1.25
2	7N	47	ASP	CG-OD1	12.76	1.49	1.25
2	1B	21	THR	CB-CG2	12.76	1.94	1.52
2	1J	21	THR	CB-CG2	12.76	1.94	1.52
2	1R	21	THR	CB-CG2	12.76	1.94	1.52
2	1V	21	THR	CB-CG2	12.76	1.94	1.52
2	1Z	21	THR	CB-CG2	12.76	1.94	1.52
2	2F	21	THR	CB-CG2	12.76	1.94	1.52
2	2R	21	THR	CB-CG2	12.76	1.94	1.52
2	2V	21	THR	CB-CG2	12.76	1.94	1.52
2	2Z	21	THR	CB-CG2	12.76	1.94	1.52
2	27	21	THR	CB-CG2	12.76	1.94	1.52
2	3F	21	THR	CB-CG2	12.76	1.94	1.52
2	4B	21	THR	CB-CG2	12.76	1.94	1.52
2	4N	21	THR	CB-CG2	12.76	1.94	1.52
2	4V	21	THR	CB-CG2	12.76	1.94	1.52
2	43	21	THR	CB-CG2	12.76	1.94	1.52
2	47	21	THR	CB-CG2	12.76	1.94	1.52
2	5B	21	THR	CB-CG2	12.76	1.94	1.52
2	5R	21	THR	CB-CG2	12.76	1.94	1.52
2	53	21	THR	CB-CG2	12.76	1.94	1.52
2	57	21	THR	CB-CG2	12.76	1.94	1.52
2	6B	21	THR	CB-CG2	12.76	1.94	1.52
2	6J	21	THR	CB-CG2	12.76	1.94	1.52
2	6R	21	THR	CB-CG2	12.76	1.94	1.52
2	7N	21	THR	CB-CG2	12.76	1.94	1.52
2	1B	16	ASN	C-N	-12.75	1.17	1.33
2	1J	16	ASN	C-N	-12.75	1.17	1.33
2	1N	47	ASP	CG-OD1	12.75	1.49	1.25
2	2F	16	ASN	C-N	-12.75	1.17	1.33
2	2J	47	ASP	CG-OD1	12.75	1.49	1.25
2	27	16	ASN	C-N	-12.75	1.17	1.33
2	3B	47	ASP	CG-OD1	12.75	1.49	1.25
2	3F	16	ASN	C-N	-12.75	1.17	1.33
2	3J	47	ASP	CG-OD1	12.75	1.49	1.25
2	33	47	ASP	CG-OD1	12.75	1.49	1.25
2	4B	16	ASN	C-N	-12.75	1.17	1.33
2	4F	47	ASP	CG-OD1	12.75	1.49	1.25
2	4N	16	ASN	C-N	-12.75	1.17	1.33
2	4V	16	ASN	C-N	-12.75	1.17	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4Z	47	ASP	CG-OD1	12.75	1.49	1.25
2	5R	16	ASN	C-N	-12.75	1.17	1.33
2	5V	47	ASP	CG-OD1	12.75	1.49	1.25
2	6J	16	ASN	C-N	-12.75	1.17	1.33
2	6N	47	ASP	CG-OD1	12.75	1.49	1.25
2	6R	16	ASN	C-N	-12.75	1.17	1.33
2	6V	47	ASP	CG-OD1	12.75	1.49	1.25
2	7F	47	ASP	CG-OD1	12.75	1.49	1.25
2	7N	16	ASN	C-N	-12.75	1.17	1.33
2	7R	47	ASP	CG-OD1	12.75	1.49	1.25
2	1N	16	ASN	C-N	-12.75	1.17	1.33
2	2J	16	ASN	C-N	-12.75	1.17	1.33
2	3B	16	ASN	C-N	-12.75	1.17	1.33
2	3J	16	ASN	C-N	-12.75	1.17	1.33
2	33	16	ASN	C-N	-12.75	1.17	1.33
2	4F	16	ASN	C-N	-12.75	1.17	1.33
2	4Z	16	ASN	C-N	-12.75	1.17	1.33
2	5V	16	ASN	C-N	-12.75	1.17	1.33
2	6N	16	ASN	C-N	-12.75	1.17	1.33
2	6V	16	ASN	C-N	-12.75	1.17	1.33
2	7F	16	ASN	C-N	-12.75	1.17	1.33
2	7R	16	ASN	C-N	-12.75	1.17	1.33
2	1N	29	MET	C-N	12.74	1.63	1.33
2	1R	16	ASN	C-N	-12.74	1.17	1.33
2	1V	16	ASN	C-N	-12.74	1.17	1.33
2	1Z	16	ASN	C-N	-12.74	1.17	1.33
2	13	21	THR	CB-CG2	12.74	1.94	1.52
2	17	21	THR	CB-CG2	12.74	1.94	1.52
2	2B	21	THR	CB-CG2	12.74	1.94	1.52
2	2J	29	MET	C-N	12.74	1.63	1.33
2	2R	16	ASN	C-N	-12.74	1.17	1.33
2	2V	16	ASN	C-N	-12.74	1.17	1.33
2	2Z	16	ASN	C-N	-12.74	1.17	1.33
2	3B	29	MET	C-N	12.74	1.63	1.33
2	3J	29	MET	C-N	12.74	1.63	1.33
2	3R	21	THR	CB-CG2	12.74	1.94	1.52
2	3V	21	THR	CB-CG2	12.74	1.94	1.52
2	3Z	21	THR	CB-CG2	12.74	1.94	1.52
2	33	29	MET	C-N	12.74	1.63	1.33
2	4F	29	MET	C-N	12.74	1.63	1.33
2	4Z	29	MET	C-N	12.74	1.63	1.33
2	43	16	ASN	C-N	-12.74	1.17	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	16	ASN	C-N	-12.74	1.17	1.33
2	5B	16	ASN	C-N	-12.74	1.17	1.33
2	5F	21	THR	CB-CG2	12.74	1.94	1.52
2	5J	21	THR	CB-CG2	12.74	1.94	1.52
2	5N	21	THR	CB-CG2	12.74	1.94	1.52
2	5V	29	MET	C-N	12.74	1.63	1.33
2	53	16	ASN	C-N	-12.74	1.17	1.33
2	57	16	ASN	C-N	-12.74	1.17	1.33
2	6B	16	ASN	C-N	-12.74	1.17	1.33
2	6N	29	MET	C-N	12.74	1.63	1.33
2	6V	29	MET	C-N	12.74	1.63	1.33
2	63	21	THR	CB-CG2	12.74	1.94	1.52
2	67	21	THR	CB-CG2	12.74	1.94	1.52
2	7B	21	THR	CB-CG2	12.74	1.94	1.52
2	7F	29	MET	C-N	12.74	1.63	1.33
2	7R	29	MET	C-N	12.74	1.63	1.33
2	13	47	ASP	CG-OD1	12.74	1.49	1.25
2	17	47	ASP	CG-OD1	12.74	1.49	1.25
2	2B	47	ASP	CG-OD1	12.74	1.49	1.25
2	3R	47	ASP	CG-OD1	12.74	1.49	1.25
2	3V	47	ASP	CG-OD1	12.74	1.49	1.25
2	3Z	47	ASP	CG-OD1	12.74	1.49	1.25
2	5F	47	ASP	CG-OD1	12.74	1.49	1.25
2	5J	47	ASP	CG-OD1	12.74	1.49	1.25
2	5N	47	ASP	CG-OD1	12.74	1.49	1.25
2	63	47	ASP	CG-OD1	12.74	1.49	1.25
2	67	47	ASP	CG-OD1	12.74	1.49	1.25
2	7B	47	ASP	CG-OD1	12.74	1.49	1.25
2	1F	47	ASP	CG-OD1	12.73	1.49	1.25
2	1N	21	THR	CB-CG2	12.73	1.94	1.52
2	2J	21	THR	CB-CG2	12.73	1.94	1.52
2	2N	47	ASP	CG-OD1	12.73	1.49	1.25
2	23	47	ASP	CG-OD1	12.73	1.49	1.25
2	3B	21	THR	CB-CG2	12.73	1.94	1.52
2	3J	21	THR	CB-CG2	12.73	1.94	1.52
2	3N	47	ASP	CG-OD1	12.73	1.49	1.25
2	33	21	THR	CB-CG2	12.73	1.94	1.52
2	37	47	ASP	CG-OD1	12.73	1.49	1.25
2	4F	21	THR	CB-CG2	12.73	1.94	1.52
2	4J	47	ASP	CG-OD1	12.73	1.49	1.25
2	4R	47	ASP	CG-OD1	12.73	1.49	1.25
2	4Z	21	THR	CB-CG2	12.73	1.94	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5V	21	THR	CB-CG2	12.73	1.94	1.52
2	5Z	47	ASP	CG-OD1	12.73	1.49	1.25
2	6F	47	ASP	CG-OD1	12.73	1.49	1.25
2	6N	21	THR	CB-CG2	12.73	1.94	1.52
2	6V	21	THR	CB-CG2	12.73	1.94	1.52
2	6Z	47	ASP	CG-OD1	12.73	1.49	1.25
2	7F	21	THR	CB-CG2	12.73	1.94	1.52
2	7J	47	ASP	CG-OD1	12.73	1.49	1.25
2	7R	21	THR	CB-CG2	12.73	1.94	1.52
2	7V	47	ASP	CG-OD1	12.73	1.49	1.25
2	1R	47	ASP	CG-OD1	12.73	1.49	1.25
2	1V	47	ASP	CG-OD1	12.73	1.49	1.25
2	1Z	47	ASP	CG-OD1	12.73	1.49	1.25
2	2R	47	ASP	CG-OD1	12.73	1.49	1.25
2	2V	47	ASP	CG-OD1	12.73	1.49	1.25
2	2Z	47	ASP	CG-OD1	12.73	1.49	1.25
2	43	47	ASP	CG-OD1	12.73	1.49	1.25
2	47	47	ASP	CG-OD1	12.73	1.49	1.25
2	5B	47	ASP	CG-OD1	12.73	1.49	1.25
2	53	47	ASP	CG-OD1	12.73	1.49	1.25
2	57	47	ASP	CG-OD1	12.73	1.49	1.25
2	6B	47	ASP	CG-OD1	12.73	1.49	1.25
2	13	29	MET	C-N	12.72	1.63	1.33
2	17	29	MET	C-N	12.72	1.63	1.33
2	2B	29	MET	C-N	12.72	1.63	1.33
2	3R	29	MET	C-N	12.72	1.63	1.33
2	3V	29	MET	C-N	12.72	1.63	1.33
2	3Z	29	MET	C-N	12.72	1.63	1.33
2	5F	29	MET	C-N	12.72	1.63	1.33
2	5J	29	MET	C-N	12.72	1.63	1.33
2	5N	29	MET	C-N	12.72	1.63	1.33
2	63	29	MET	C-N	12.72	1.63	1.33
2	67	29	MET	C-N	12.72	1.63	1.33
2	7B	29	MET	C-N	12.72	1.63	1.33
2	1R	29	MET	C-N	12.72	1.63	1.33
2	1V	29	MET	C-N	12.72	1.63	1.33
2	1Z	29	MET	C-N	12.72	1.63	1.33
2	2R	29	MET	C-N	12.72	1.63	1.33
2	2V	29	MET	C-N	12.72	1.63	1.33
2	2Z	29	MET	C-N	12.72	1.63	1.33
2	43	29	MET	C-N	12.72	1.63	1.33
2	47	29	MET	C-N	12.72	1.63	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	29	MET	C-N	12.72	1.63	1.33
2	53	29	MET	C-N	12.72	1.63	1.33
2	57	29	MET	C-N	12.72	1.63	1.33
2	6B	29	MET	C-N	12.72	1.63	1.33
2	13	16	ASN	C-N	-12.72	1.17	1.33
2	17	16	ASN	C-N	-12.72	1.17	1.33
2	2B	16	ASN	C-N	-12.72	1.17	1.33
2	3R	16	ASN	C-N	-12.72	1.17	1.33
2	3V	16	ASN	C-N	-12.72	1.17	1.33
2	3Z	16	ASN	C-N	-12.72	1.17	1.33
2	5F	16	ASN	C-N	-12.72	1.17	1.33
2	5J	16	ASN	C-N	-12.72	1.17	1.33
2	5N	16	ASN	C-N	-12.72	1.17	1.33
2	63	16	ASN	C-N	-12.72	1.17	1.33
2	67	16	ASN	C-N	-12.72	1.17	1.33
2	7B	16	ASN	C-N	-12.72	1.17	1.33
2	1F	59	VAL	N-CA	-12.71	1.29	1.46
2	2N	59	VAL	N-CA	-12.71	1.29	1.46
2	23	59	VAL	N-CA	-12.71	1.29	1.46
2	3N	59	VAL	N-CA	-12.71	1.29	1.46
2	37	59	VAL	N-CA	-12.71	1.29	1.46
2	4J	59	VAL	N-CA	-12.71	1.29	1.46
2	4R	59	VAL	N-CA	-12.71	1.29	1.46
2	5Z	59	VAL	N-CA	-12.71	1.29	1.46
2	6F	59	VAL	N-CA	-12.71	1.29	1.46
2	6Z	59	VAL	N-CA	-12.71	1.29	1.46
2	7J	59	VAL	N-CA	-12.71	1.29	1.46
2	7V	59	VAL	N-CA	-12.71	1.29	1.46
2	1B	29	MET	C-N	12.71	1.63	1.33
2	1J	29	MET	C-N	12.71	1.63	1.33
2	2F	29	MET	C-N	12.71	1.63	1.33
2	27	29	MET	C-N	12.71	1.63	1.33
2	3F	29	MET	C-N	12.71	1.63	1.33
2	4B	29	MET	C-N	12.71	1.63	1.33
2	4N	29	MET	C-N	12.71	1.63	1.33
2	4V	29	MET	C-N	12.71	1.63	1.33
2	5R	29	MET	C-N	12.71	1.63	1.33
2	6J	29	MET	C-N	12.71	1.63	1.33
2	6R	29	MET	C-N	12.71	1.63	1.33
2	7N	29	MET	C-N	12.71	1.63	1.33
2	1N	59	VAL	N-CA	-12.70	1.29	1.46
2	2J	59	VAL	N-CA	-12.70	1.29	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	59	VAL	N-CA	-12.70	1.29	1.46
2	3J	59	VAL	N-CA	-12.70	1.29	1.46
2	33	59	VAL	N-CA	-12.70	1.29	1.46
2	4F	59	VAL	N-CA	-12.70	1.29	1.46
2	4Z	59	VAL	N-CA	-12.70	1.29	1.46
2	5V	59	VAL	N-CA	-12.70	1.29	1.46
2	6N	59	VAL	N-CA	-12.70	1.29	1.46
2	6V	59	VAL	N-CA	-12.70	1.29	1.46
2	7F	59	VAL	N-CA	-12.70	1.29	1.46
2	7R	59	VAL	N-CA	-12.70	1.29	1.46
2	1F	29	MET	C-N	12.70	1.63	1.33
2	2N	29	MET	C-N	12.70	1.63	1.33
2	23	29	MET	C-N	12.70	1.63	1.33
2	3N	29	MET	C-N	12.70	1.63	1.33
2	37	29	MET	C-N	12.70	1.63	1.33
2	4J	29	MET	C-N	12.70	1.63	1.33
2	4R	29	MET	C-N	12.70	1.63	1.33
2	5Z	29	MET	C-N	12.70	1.63	1.33
2	6F	29	MET	C-N	12.70	1.63	1.33
2	6Z	29	MET	C-N	12.70	1.63	1.33
2	7J	29	MET	C-N	12.70	1.63	1.33
2	7V	29	MET	C-N	12.70	1.63	1.33
2	1N	220	PHE	CA-C	12.69	1.67	1.52
2	2J	220	PHE	CA-C	12.69	1.67	1.52
2	3B	220	PHE	CA-C	12.69	1.67	1.52
2	3J	220	PHE	CA-C	12.69	1.67	1.52
2	33	220	PHE	CA-C	12.69	1.67	1.52
2	4F	220	PHE	CA-C	12.69	1.67	1.52
2	4Z	220	PHE	CA-C	12.69	1.67	1.52
2	5V	220	PHE	CA-C	12.69	1.67	1.52
2	6N	220	PHE	CA-C	12.69	1.67	1.52
2	6V	220	PHE	CA-C	12.69	1.67	1.52
2	7F	220	PHE	CA-C	12.69	1.67	1.52
2	7R	220	PHE	CA-C	12.69	1.67	1.52
2	1B	220	PHE	CA-C	12.69	1.67	1.52
2	1J	220	PHE	CA-C	12.69	1.67	1.52
2	13	59	VAL	N-CA	-12.69	1.29	1.46
2	17	59	VAL	N-CA	-12.69	1.29	1.46
2	2B	59	VAL	N-CA	-12.69	1.29	1.46
2	2F	220	PHE	CA-C	12.69	1.67	1.52
2	27	220	PHE	CA-C	12.69	1.67	1.52
2	3F	220	PHE	CA-C	12.69	1.67	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3R	59	VAL	N-CA	-12.69	1.29	1.46
2	3V	59	VAL	N-CA	-12.69	1.29	1.46
2	3Z	59	VAL	N-CA	-12.69	1.29	1.46
2	4B	220	PHE	CA-C	12.69	1.67	1.52
2	4N	220	PHE	CA-C	12.69	1.67	1.52
2	4V	220	PHE	CA-C	12.69	1.67	1.52
2	5F	59	VAL	N-CA	-12.69	1.29	1.46
2	5J	59	VAL	N-CA	-12.69	1.29	1.46
2	5N	59	VAL	N-CA	-12.69	1.29	1.46
2	5R	220	PHE	CA-C	12.69	1.67	1.52
2	6J	220	PHE	CA-C	12.69	1.67	1.52
2	6R	220	PHE	CA-C	12.69	1.67	1.52
2	63	59	VAL	N-CA	-12.69	1.29	1.46
2	67	59	VAL	N-CA	-12.69	1.29	1.46
2	7B	59	VAL	N-CA	-12.69	1.29	1.46
2	7N	220	PHE	CA-C	12.69	1.67	1.52
2	1R	220	PHE	CA-C	12.68	1.67	1.52
2	1V	220	PHE	CA-C	12.68	1.67	1.52
2	1Z	220	PHE	CA-C	12.68	1.67	1.52
2	2R	220	PHE	CA-C	12.68	1.67	1.52
2	2V	220	PHE	CA-C	12.68	1.67	1.52
2	2Z	220	PHE	CA-C	12.68	1.67	1.52
2	43	220	PHE	CA-C	12.68	1.67	1.52
2	47	220	PHE	CA-C	12.68	1.67	1.52
2	5B	220	PHE	CA-C	12.68	1.67	1.52
2	53	220	PHE	CA-C	12.68	1.67	1.52
2	57	220	PHE	CA-C	12.68	1.67	1.52
2	6B	220	PHE	CA-C	12.68	1.67	1.52
2	1R	59	VAL	N-CA	-12.67	1.29	1.46
2	1V	59	VAL	N-CA	-12.67	1.29	1.46
2	1Z	59	VAL	N-CA	-12.67	1.29	1.46
2	2R	59	VAL	N-CA	-12.67	1.29	1.46
2	2V	59	VAL	N-CA	-12.67	1.29	1.46
2	2Z	59	VAL	N-CA	-12.67	1.29	1.46
2	43	59	VAL	N-CA	-12.67	1.29	1.46
2	47	59	VAL	N-CA	-12.67	1.29	1.46
2	5B	59	VAL	N-CA	-12.67	1.29	1.46
2	53	59	VAL	N-CA	-12.67	1.29	1.46
2	57	59	VAL	N-CA	-12.67	1.29	1.46
2	6B	59	VAL	N-CA	-12.67	1.29	1.46
2	1B	59	VAL	N-CA	-12.67	1.29	1.46
2	1J	59	VAL	N-CA	-12.67	1.29	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	59	VAL	N-CA	-12.67	1.29	1.46
2	27	59	VAL	N-CA	-12.67	1.29	1.46
2	3F	59	VAL	N-CA	-12.67	1.29	1.46
2	4B	59	VAL	N-CA	-12.67	1.29	1.46
2	4N	59	VAL	N-CA	-12.67	1.29	1.46
2	4V	59	VAL	N-CA	-12.67	1.29	1.46
2	5R	59	VAL	N-CA	-12.67	1.29	1.46
2	6J	59	VAL	N-CA	-12.67	1.29	1.46
2	6R	59	VAL	N-CA	-12.67	1.29	1.46
2	7N	59	VAL	N-CA	-12.67	1.29	1.46
2	1F	220	PHE	CA-C	12.67	1.67	1.52
2	2N	220	PHE	CA-C	12.67	1.67	1.52
2	23	220	PHE	CA-C	12.67	1.67	1.52
2	3N	220	PHE	CA-C	12.67	1.67	1.52
2	37	220	PHE	CA-C	12.67	1.67	1.52
2	4J	220	PHE	CA-C	12.67	1.67	1.52
2	4R	220	PHE	CA-C	12.67	1.67	1.52
2	5Z	220	PHE	CA-C	12.67	1.67	1.52
2	6F	220	PHE	CA-C	12.67	1.67	1.52
2	6Z	220	PHE	CA-C	12.67	1.67	1.52
2	7J	220	PHE	CA-C	12.67	1.67	1.52
2	7V	220	PHE	CA-C	12.67	1.67	1.52
2	13	220	PHE	CA-C	12.66	1.67	1.52
2	17	220	PHE	CA-C	12.66	1.67	1.52
2	2B	220	PHE	CA-C	12.66	1.67	1.52
2	3R	220	PHE	CA-C	12.66	1.67	1.52
2	3V	220	PHE	CA-C	12.66	1.67	1.52
2	3Z	220	PHE	CA-C	12.66	1.67	1.52
2	5F	220	PHE	CA-C	12.66	1.67	1.52
2	5J	220	PHE	CA-C	12.66	1.67	1.52
2	5N	220	PHE	CA-C	12.66	1.67	1.52
2	63	220	PHE	CA-C	12.66	1.67	1.52
2	67	220	PHE	CA-C	12.66	1.67	1.52
2	7B	220	PHE	CA-C	12.66	1.67	1.52
2	1N	32	SER	C-O	12.55	1.40	1.24
2	2J	32	SER	C-O	12.55	1.40	1.24
2	3B	32	SER	C-O	12.55	1.40	1.24
2	3J	32	SER	C-O	12.55	1.40	1.24
2	33	32	SER	C-O	12.55	1.40	1.24
2	4F	32	SER	C-O	12.55	1.40	1.24
2	4Z	32	SER	C-O	12.55	1.40	1.24
2	5V	32	SER	C-O	12.55	1.40	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	32	SER	C-O	12.55	1.40	1.24
2	6V	32	SER	C-O	12.55	1.40	1.24
2	7F	32	SER	C-O	12.55	1.40	1.24
2	7R	32	SER	C-O	12.55	1.40	1.24
2	1R	32	SER	C-O	12.55	1.40	1.24
2	1V	32	SER	C-O	12.55	1.40	1.24
2	1Z	32	SER	C-O	12.55	1.40	1.24
2	2R	32	SER	C-O	12.55	1.40	1.24
2	2V	32	SER	C-O	12.55	1.40	1.24
2	2Z	32	SER	C-O	12.55	1.40	1.24
2	43	32	SER	C-O	12.55	1.40	1.24
2	47	32	SER	C-O	12.55	1.40	1.24
2	5B	32	SER	C-O	12.55	1.40	1.24
2	53	32	SER	C-O	12.55	1.40	1.24
2	57	32	SER	C-O	12.55	1.40	1.24
2	6B	32	SER	C-O	12.55	1.40	1.24
2	1F	24	PRO	N-CA	12.54	1.63	1.47
2	1F	32	SER	C-O	12.54	1.40	1.24
2	2N	24	PRO	N-CA	12.54	1.63	1.47
2	2N	32	SER	C-O	12.54	1.40	1.24
2	23	24	PRO	N-CA	12.54	1.63	1.47
2	23	32	SER	C-O	12.54	1.40	1.24
2	3N	24	PRO	N-CA	12.54	1.63	1.47
2	3N	32	SER	C-O	12.54	1.40	1.24
2	37	24	PRO	N-CA	12.54	1.63	1.47
2	37	32	SER	C-O	12.54	1.40	1.24
2	4J	24	PRO	N-CA	12.54	1.63	1.47
2	4J	32	SER	C-O	12.54	1.40	1.24
2	4R	24	PRO	N-CA	12.54	1.63	1.47
2	4R	32	SER	C-O	12.54	1.40	1.24
2	5Z	24	PRO	N-CA	12.54	1.63	1.47
2	5Z	32	SER	C-O	12.54	1.40	1.24
2	6F	24	PRO	N-CA	12.54	1.63	1.47
2	6F	32	SER	C-O	12.54	1.40	1.24
2	6Z	24	PRO	N-CA	12.54	1.63	1.47
2	6Z	32	SER	C-O	12.54	1.40	1.24
2	7J	24	PRO	N-CA	12.54	1.63	1.47
2	7J	32	SER	C-O	12.54	1.40	1.24
2	7V	24	PRO	N-CA	12.54	1.63	1.47
2	7V	32	SER	C-O	12.54	1.40	1.24
2	1B	32	SER	C-O	12.54	1.40	1.24
2	1J	32	SER	C-O	12.54	1.40	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	32	SER	C-O	12.54	1.40	1.24
2	27	32	SER	C-O	12.54	1.40	1.24
2	3F	32	SER	C-O	12.54	1.40	1.24
2	4B	32	SER	C-O	12.54	1.40	1.24
2	4N	32	SER	C-O	12.54	1.40	1.24
2	4V	32	SER	C-O	12.54	1.40	1.24
2	5R	32	SER	C-O	12.54	1.40	1.24
2	6J	32	SER	C-O	12.54	1.40	1.24
2	6R	32	SER	C-O	12.54	1.40	1.24
2	7N	32	SER	C-O	12.54	1.40	1.24
2	13	32	SER	C-O	12.53	1.40	1.24
2	17	32	SER	C-O	12.53	1.40	1.24
2	2B	32	SER	C-O	12.53	1.40	1.24
2	3R	32	SER	C-O	12.53	1.40	1.24
2	3V	32	SER	C-O	12.53	1.40	1.24
2	3Z	32	SER	C-O	12.53	1.40	1.24
2	5F	32	SER	C-O	12.53	1.40	1.24
2	5J	32	SER	C-O	12.53	1.40	1.24
2	5N	32	SER	C-O	12.53	1.40	1.24
2	63	32	SER	C-O	12.53	1.40	1.24
2	67	32	SER	C-O	12.53	1.40	1.24
2	7B	32	SER	C-O	12.53	1.40	1.24
2	1B	24	PRO	N-CA	12.53	1.63	1.47
2	1J	24	PRO	N-CA	12.53	1.63	1.47
2	2F	24	PRO	N-CA	12.53	1.63	1.47
2	27	24	PRO	N-CA	12.53	1.63	1.47
2	3F	24	PRO	N-CA	12.53	1.63	1.47
2	4B	24	PRO	N-CA	12.53	1.63	1.47
2	4N	24	PRO	N-CA	12.53	1.63	1.47
2	4V	24	PRO	N-CA	12.53	1.63	1.47
2	5R	24	PRO	N-CA	12.53	1.63	1.47
2	6J	24	PRO	N-CA	12.53	1.63	1.47
2	6R	24	PRO	N-CA	12.53	1.63	1.47
2	7N	24	PRO	N-CA	12.53	1.63	1.47
1	12	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	13	24	PRO	N-CA	12.51	1.63	1.47
1	16	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	17	24	PRO	N-CA	12.51	1.63	1.47
1	2A	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	2B	24	PRO	N-CA	12.51	1.63	1.47
1	3Q	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	3R	24	PRO	N-CA	12.51	1.63	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3U	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	3V	24	PRO	N-CA	12.51	1.63	1.47
1	3Y	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	3Z	24	PRO	N-CA	12.51	1.63	1.47
1	5E	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	5F	24	PRO	N-CA	12.51	1.63	1.47
1	5I	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	5J	24	PRO	N-CA	12.51	1.63	1.47
1	5M	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	5N	24	PRO	N-CA	12.51	1.63	1.47
1	62	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	63	24	PRO	N-CA	12.51	1.63	1.47
1	66	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	67	24	PRO	N-CA	12.51	1.63	1.47
1	7A	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	7B	24	PRO	N-CA	12.51	1.63	1.47
1	1A	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	1I	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	1R	219	VAL	C-N	12.51	1.50	1.33
2	1V	219	VAL	C-N	12.51	1.50	1.33
2	1Z	219	VAL	C-N	12.51	1.50	1.33
1	2E	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	2R	219	VAL	C-N	12.51	1.50	1.33
2	2V	219	VAL	C-N	12.51	1.50	1.33
2	2Z	219	VAL	C-N	12.51	1.50	1.33
1	26	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	3E	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	4A	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	4M	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	4U	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	43	219	VAL	C-N	12.51	1.50	1.33
2	47	219	VAL	C-N	12.51	1.50	1.33
2	5B	219	VAL	C-N	12.51	1.50	1.33
1	5Q	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	53	219	VAL	C-N	12.51	1.50	1.33
2	57	219	VAL	C-N	12.51	1.50	1.33
2	6B	219	VAL	C-N	12.51	1.50	1.33
1	6I	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	6Q	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	7M	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	1E	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	1M	89	PHE	CE1-CZ	-12.51	1.01	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Q	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	1U	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	1Y	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	2I	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	2M	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	2Q	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	2U	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	2Y	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	22	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	3A	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	3I	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	3M	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	32	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	36	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	4E	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	4I	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	4Q	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	4Y	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	42	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	46	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	5A	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	5U	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	5Y	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	52	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	56	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	6A	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	6E	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	6M	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	6U	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	6Y	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	7E	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	7I	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	7Q	89	PHE	CE1-CZ	-12.51	1.01	1.38
1	7U	89	PHE	CE1-CZ	-12.51	1.01	1.38
2	1N	219	VAL	C-N	12.50	1.50	1.33
2	2J	219	VAL	C-N	12.50	1.50	1.33
2	3B	219	VAL	C-N	12.50	1.50	1.33
2	3J	219	VAL	C-N	12.50	1.50	1.33
2	33	219	VAL	C-N	12.50	1.50	1.33
2	4F	219	VAL	C-N	12.50	1.50	1.33
2	4Z	219	VAL	C-N	12.50	1.50	1.33
2	5V	219	VAL	C-N	12.50	1.50	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	219	VAL	C-N	12.50	1.50	1.33
2	6V	219	VAL	C-N	12.50	1.50	1.33
2	7F	219	VAL	C-N	12.50	1.50	1.33
2	7R	219	VAL	C-N	12.50	1.50	1.33
2	1N	24	PRO	N-CA	12.49	1.63	1.47
2	2J	24	PRO	N-CA	12.49	1.63	1.47
2	3B	24	PRO	N-CA	12.49	1.63	1.47
2	3J	24	PRO	N-CA	12.49	1.63	1.47
2	33	24	PRO	N-CA	12.49	1.63	1.47
2	4F	24	PRO	N-CA	12.49	1.63	1.47
2	4Z	24	PRO	N-CA	12.49	1.63	1.47
2	5V	24	PRO	N-CA	12.49	1.63	1.47
2	6N	24	PRO	N-CA	12.49	1.63	1.47
2	6V	24	PRO	N-CA	12.49	1.63	1.47
2	7F	24	PRO	N-CA	12.49	1.63	1.47
2	7R	24	PRO	N-CA	12.49	1.63	1.47
2	1B	219	VAL	C-N	12.47	1.50	1.33
2	1J	219	VAL	C-N	12.47	1.50	1.33
2	1R	24	PRO	N-CA	12.47	1.63	1.47
2	1V	24	PRO	N-CA	12.47	1.63	1.47
2	1Z	24	PRO	N-CA	12.47	1.63	1.47
2	2F	219	VAL	C-N	12.47	1.50	1.33
2	2R	24	PRO	N-CA	12.47	1.63	1.47
2	2V	24	PRO	N-CA	12.47	1.63	1.47
2	2Z	24	PRO	N-CA	12.47	1.63	1.47
2	27	219	VAL	C-N	12.47	1.50	1.33
2	3F	219	VAL	C-N	12.47	1.50	1.33
2	4B	219	VAL	C-N	12.47	1.50	1.33
2	4N	219	VAL	C-N	12.47	1.50	1.33
2	4V	219	VAL	C-N	12.47	1.50	1.33
2	43	24	PRO	N-CA	12.47	1.63	1.47
2	47	24	PRO	N-CA	12.47	1.63	1.47
2	5B	24	PRO	N-CA	12.47	1.63	1.47
2	5R	219	VAL	C-N	12.47	1.50	1.33
2	53	24	PRO	N-CA	12.47	1.63	1.47
2	57	24	PRO	N-CA	12.47	1.63	1.47
2	6B	24	PRO	N-CA	12.47	1.63	1.47
2	6J	219	VAL	C-N	12.47	1.50	1.33
2	6R	219	VAL	C-N	12.47	1.50	1.33
2	7N	219	VAL	C-N	12.47	1.50	1.33
2	13	219	VAL	C-N	12.44	1.50	1.33
2	17	219	VAL	C-N	12.44	1.50	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	219	VAL	C-N	12.44	1.50	1.33
2	3R	219	VAL	C-N	12.44	1.50	1.33
2	3V	219	VAL	C-N	12.44	1.50	1.33
2	3Z	219	VAL	C-N	12.44	1.50	1.33
2	5F	219	VAL	C-N	12.44	1.50	1.33
2	5J	219	VAL	C-N	12.44	1.50	1.33
2	5N	219	VAL	C-N	12.44	1.50	1.33
2	63	219	VAL	C-N	12.44	1.50	1.33
2	67	219	VAL	C-N	12.44	1.50	1.33
2	7B	219	VAL	C-N	12.44	1.50	1.33
1	1Q	16	THR	CA-C	-12.44	1.24	1.52
1	1U	16	THR	CA-C	-12.44	1.24	1.52
1	1Y	16	THR	CA-C	-12.44	1.24	1.52
1	2Q	16	THR	CA-C	-12.44	1.24	1.52
1	2U	16	THR	CA-C	-12.44	1.24	1.52
1	2Y	16	THR	CA-C	-12.44	1.24	1.52
1	42	16	THR	CA-C	-12.44	1.24	1.52
1	46	16	THR	CA-C	-12.44	1.24	1.52
1	5A	16	THR	CA-C	-12.44	1.24	1.52
1	52	16	THR	CA-C	-12.44	1.24	1.52
1	56	16	THR	CA-C	-12.44	1.24	1.52
1	6A	16	THR	CA-C	-12.44	1.24	1.52
2	1F	219	VAL	C-N	12.44	1.50	1.33
2	2N	219	VAL	C-N	12.44	1.50	1.33
2	23	219	VAL	C-N	12.44	1.50	1.33
2	3N	219	VAL	C-N	12.44	1.50	1.33
2	37	219	VAL	C-N	12.44	1.50	1.33
2	4J	219	VAL	C-N	12.44	1.50	1.33
2	4R	219	VAL	C-N	12.44	1.50	1.33
2	5Z	219	VAL	C-N	12.44	1.50	1.33
2	6F	219	VAL	C-N	12.44	1.50	1.33
2	6Z	219	VAL	C-N	12.44	1.50	1.33
2	7J	219	VAL	C-N	12.44	1.50	1.33
2	7V	219	VAL	C-N	12.44	1.50	1.33
1	1A	16	THR	CA-C	-12.42	1.24	1.52
1	1I	16	THR	CA-C	-12.42	1.24	1.52
1	1Q	39	GLN	CD-NE2	-12.42	1.07	1.33
1	1U	39	GLN	CD-NE2	-12.42	1.07	1.33
1	1Y	39	GLN	CD-NE2	-12.42	1.07	1.33
1	2E	16	THR	CA-C	-12.42	1.24	1.52
1	2Q	39	GLN	CD-NE2	-12.42	1.07	1.33
1	2U	39	GLN	CD-NE2	-12.42	1.07	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2Y	39	GLN	CD-NE2	-12.42	1.07	1.33
1	26	16	THR	CA-C	-12.42	1.24	1.52
1	3E	16	THR	CA-C	-12.42	1.24	1.52
1	4A	16	THR	CA-C	-12.42	1.24	1.52
1	4M	16	THR	CA-C	-12.42	1.24	1.52
1	4U	16	THR	CA-C	-12.42	1.24	1.52
1	42	39	GLN	CD-NE2	-12.42	1.07	1.33
1	46	39	GLN	CD-NE2	-12.42	1.07	1.33
1	5A	39	GLN	CD-NE2	-12.42	1.07	1.33
1	5Q	16	THR	CA-C	-12.42	1.24	1.52
1	52	39	GLN	CD-NE2	-12.42	1.07	1.33
1	56	39	GLN	CD-NE2	-12.42	1.07	1.33
1	6A	39	GLN	CD-NE2	-12.42	1.07	1.33
1	6I	16	THR	CA-C	-12.42	1.24	1.52
1	6Q	16	THR	CA-C	-12.42	1.24	1.52
1	7M	16	THR	CA-C	-12.42	1.24	1.52
1	1M	16	THR	CA-C	-12.41	1.24	1.52
1	12	16	THR	CA-C	-12.41	1.24	1.52
1	16	16	THR	CA-C	-12.41	1.24	1.52
1	2A	16	THR	CA-C	-12.41	1.24	1.52
1	2I	16	THR	CA-C	-12.41	1.24	1.52
1	3A	16	THR	CA-C	-12.41	1.24	1.52
1	3I	16	THR	CA-C	-12.41	1.24	1.52
1	3Q	16	THR	CA-C	-12.41	1.24	1.52
1	3U	16	THR	CA-C	-12.41	1.24	1.52
1	3Y	16	THR	CA-C	-12.41	1.24	1.52
1	32	16	THR	CA-C	-12.41	1.24	1.52
1	4E	16	THR	CA-C	-12.41	1.24	1.52
1	4Y	16	THR	CA-C	-12.41	1.24	1.52
1	5E	16	THR	CA-C	-12.41	1.24	1.52
1	5I	16	THR	CA-C	-12.41	1.24	1.52
1	5M	16	THR	CA-C	-12.41	1.24	1.52
1	5U	16	THR	CA-C	-12.41	1.24	1.52
1	6M	16	THR	CA-C	-12.41	1.24	1.52
1	6U	16	THR	CA-C	-12.41	1.24	1.52
1	62	16	THR	CA-C	-12.41	1.24	1.52
1	66	16	THR	CA-C	-12.41	1.24	1.52
1	7A	16	THR	CA-C	-12.41	1.24	1.52
1	7E	16	THR	CA-C	-12.41	1.24	1.52
1	7Q	16	THR	CA-C	-12.41	1.24	1.52
1	1E	16	THR	CA-C	-12.41	1.24	1.52
1	12	39	GLN	CD-NE2	-12.41	1.07	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	16	39	GLN	CD-NE2	-12.41	1.07	1.33
1	2A	39	GLN	CD-NE2	-12.41	1.07	1.33
1	2M	16	THR	CA-C	-12.41	1.24	1.52
1	22	16	THR	CA-C	-12.41	1.24	1.52
1	3M	16	THR	CA-C	-12.41	1.24	1.52
1	3Q	39	GLN	CD-NE2	-12.41	1.07	1.33
1	3U	39	GLN	CD-NE2	-12.41	1.07	1.33
1	3Y	39	GLN	CD-NE2	-12.41	1.07	1.33
1	36	16	THR	CA-C	-12.41	1.24	1.52
1	4I	16	THR	CA-C	-12.41	1.24	1.52
1	4Q	16	THR	CA-C	-12.41	1.24	1.52
1	5E	39	GLN	CD-NE2	-12.41	1.07	1.33
1	5I	39	GLN	CD-NE2	-12.41	1.07	1.33
1	5M	39	GLN	CD-NE2	-12.41	1.07	1.33
1	5Y	16	THR	CA-C	-12.41	1.24	1.52
1	6E	16	THR	CA-C	-12.41	1.24	1.52
1	6Y	16	THR	CA-C	-12.41	1.24	1.52
1	62	39	GLN	CD-NE2	-12.41	1.07	1.33
1	66	39	GLN	CD-NE2	-12.41	1.07	1.33
1	7A	39	GLN	CD-NE2	-12.41	1.07	1.33
1	7I	16	THR	CA-C	-12.41	1.24	1.52
1	7U	16	THR	CA-C	-12.41	1.24	1.52
1	1A	39	GLN	CD-NE2	-12.40	1.07	1.33
1	1I	39	GLN	CD-NE2	-12.40	1.07	1.33
1	2E	39	GLN	CD-NE2	-12.40	1.07	1.33
1	26	39	GLN	CD-NE2	-12.40	1.07	1.33
1	3E	39	GLN	CD-NE2	-12.40	1.07	1.33
1	4A	39	GLN	CD-NE2	-12.40	1.07	1.33
1	4M	39	GLN	CD-NE2	-12.40	1.07	1.33
1	4U	39	GLN	CD-NE2	-12.40	1.07	1.33
1	5Q	39	GLN	CD-NE2	-12.40	1.07	1.33
1	6I	39	GLN	CD-NE2	-12.40	1.07	1.33
1	6Q	39	GLN	CD-NE2	-12.40	1.07	1.33
1	7M	39	GLN	CD-NE2	-12.40	1.07	1.33
1	1M	39	GLN	CD-NE2	-12.38	1.07	1.33
1	2I	39	GLN	CD-NE2	-12.38	1.07	1.33
1	3A	39	GLN	CD-NE2	-12.38	1.07	1.33
1	3I	39	GLN	CD-NE2	-12.38	1.07	1.33
1	32	39	GLN	CD-NE2	-12.38	1.07	1.33
1	4E	39	GLN	CD-NE2	-12.38	1.07	1.33
1	4Y	39	GLN	CD-NE2	-12.38	1.07	1.33
1	5U	39	GLN	CD-NE2	-12.38	1.07	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	39	GLN	CD-NE2	-12.38	1.07	1.33
1	6U	39	GLN	CD-NE2	-12.38	1.07	1.33
1	7E	39	GLN	CD-NE2	-12.38	1.07	1.33
1	7Q	39	GLN	CD-NE2	-12.38	1.07	1.33
2	1F	3	PRO	CG-CD	12.38	1.92	1.50
2	2N	3	PRO	CG-CD	12.38	1.92	1.50
2	23	3	PRO	CG-CD	12.38	1.92	1.50
2	3N	3	PRO	CG-CD	12.38	1.92	1.50
2	37	3	PRO	CG-CD	12.38	1.92	1.50
2	4J	3	PRO	CG-CD	12.38	1.92	1.50
2	4R	3	PRO	CG-CD	12.38	1.92	1.50
2	5Z	3	PRO	CG-CD	12.38	1.92	1.50
2	6F	3	PRO	CG-CD	12.38	1.92	1.50
2	6Z	3	PRO	CG-CD	12.38	1.92	1.50
2	7J	3	PRO	CG-CD	12.38	1.92	1.50
2	7V	3	PRO	CG-CD	12.38	1.92	1.50
1	1E	39	GLN	CD-NE2	-12.37	1.07	1.33
2	13	3	PRO	CG-CD	12.37	1.92	1.50
2	17	3	PRO	CG-CD	12.37	1.92	1.50
2	2B	3	PRO	CG-CD	12.37	1.92	1.50
1	2M	39	GLN	CD-NE2	-12.37	1.07	1.33
1	22	39	GLN	CD-NE2	-12.37	1.07	1.33
1	3M	39	GLN	CD-NE2	-12.37	1.07	1.33
2	3R	3	PRO	CG-CD	12.37	1.92	1.50
2	3V	3	PRO	CG-CD	12.37	1.92	1.50
2	3Z	3	PRO	CG-CD	12.37	1.92	1.50
1	36	39	GLN	CD-NE2	-12.37	1.07	1.33
1	4I	39	GLN	CD-NE2	-12.37	1.07	1.33
1	4Q	39	GLN	CD-NE2	-12.37	1.07	1.33
2	5F	3	PRO	CG-CD	12.37	1.92	1.50
2	5J	3	PRO	CG-CD	12.37	1.92	1.50
2	5N	3	PRO	CG-CD	12.37	1.92	1.50
1	5Y	39	GLN	CD-NE2	-12.37	1.07	1.33
1	6E	39	GLN	CD-NE2	-12.37	1.07	1.33
1	6Y	39	GLN	CD-NE2	-12.37	1.07	1.33
2	63	3	PRO	CG-CD	12.37	1.92	1.50
2	67	3	PRO	CG-CD	12.37	1.92	1.50
2	7B	3	PRO	CG-CD	12.37	1.92	1.50
1	7I	39	GLN	CD-NE2	-12.37	1.07	1.33
1	7U	39	GLN	CD-NE2	-12.37	1.07	1.33
2	1N	3	PRO	CG-CD	12.36	1.92	1.50
2	2J	3	PRO	CG-CD	12.36	1.92	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	3	PRO	CG-CD	12.36	1.92	1.50
2	3J	3	PRO	CG-CD	12.36	1.92	1.50
2	33	3	PRO	CG-CD	12.36	1.92	1.50
2	4F	3	PRO	CG-CD	12.36	1.92	1.50
2	4Z	3	PRO	CG-CD	12.36	1.92	1.50
2	5V	3	PRO	CG-CD	12.36	1.92	1.50
2	6N	3	PRO	CG-CD	12.36	1.92	1.50
2	6V	3	PRO	CG-CD	12.36	1.92	1.50
2	7F	3	PRO	CG-CD	12.36	1.92	1.50
2	7R	3	PRO	CG-CD	12.36	1.92	1.50
2	1B	3	PRO	CG-CD	12.35	1.92	1.50
2	1J	3	PRO	CG-CD	12.35	1.92	1.50
2	1R	3	PRO	CG-CD	12.35	1.92	1.50
2	1V	3	PRO	CG-CD	12.35	1.92	1.50
2	1Z	3	PRO	CG-CD	12.35	1.92	1.50
2	2F	3	PRO	CG-CD	12.35	1.92	1.50
2	2R	3	PRO	CG-CD	12.35	1.92	1.50
2	2V	3	PRO	CG-CD	12.35	1.92	1.50
2	2Z	3	PRO	CG-CD	12.35	1.92	1.50
2	27	3	PRO	CG-CD	12.35	1.92	1.50
2	3F	3	PRO	CG-CD	12.35	1.92	1.50
2	4B	3	PRO	CG-CD	12.35	1.92	1.50
2	4N	3	PRO	CG-CD	12.35	1.92	1.50
2	4V	3	PRO	CG-CD	12.35	1.92	1.50
2	43	3	PRO	CG-CD	12.35	1.92	1.50
2	47	3	PRO	CG-CD	12.35	1.92	1.50
2	5B	3	PRO	CG-CD	12.35	1.92	1.50
2	5R	3	PRO	CG-CD	12.35	1.92	1.50
2	53	3	PRO	CG-CD	12.35	1.92	1.50
2	57	3	PRO	CG-CD	12.35	1.92	1.50
2	6B	3	PRO	CG-CD	12.35	1.92	1.50
2	6J	3	PRO	CG-CD	12.35	1.92	1.50
2	6R	3	PRO	CG-CD	12.35	1.92	1.50
2	7N	3	PRO	CG-CD	12.35	1.92	1.50
2	1F	72	ARG	CA-C	12.35	1.78	1.52
2	2N	72	ARG	CA-C	12.35	1.78	1.52
2	23	72	ARG	CA-C	12.35	1.78	1.52
2	3N	72	ARG	CA-C	12.35	1.78	1.52
2	37	72	ARG	CA-C	12.35	1.78	1.52
2	4J	72	ARG	CA-C	12.35	1.78	1.52
2	4R	72	ARG	CA-C	12.35	1.78	1.52
2	5Z	72	ARG	CA-C	12.35	1.78	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	72	ARG	CA-C	12.35	1.78	1.52
2	6Z	72	ARG	CA-C	12.35	1.78	1.52
2	7J	72	ARG	CA-C	12.35	1.78	1.52
2	7V	72	ARG	CA-C	12.35	1.78	1.52
2	1N	224	VAL	N-CA	-12.34	1.29	1.46
2	1R	72	ARG	CA-C	12.34	1.78	1.52
2	1V	72	ARG	CA-C	12.34	1.78	1.52
2	1Z	72	ARG	CA-C	12.34	1.78	1.52
2	2J	224	VAL	N-CA	-12.34	1.29	1.46
2	2R	72	ARG	CA-C	12.34	1.78	1.52
2	2V	72	ARG	CA-C	12.34	1.78	1.52
2	2Z	72	ARG	CA-C	12.34	1.78	1.52
2	3B	224	VAL	N-CA	-12.34	1.29	1.46
2	3J	224	VAL	N-CA	-12.34	1.29	1.46
2	33	224	VAL	N-CA	-12.34	1.29	1.46
2	4F	224	VAL	N-CA	-12.34	1.29	1.46
2	4Z	224	VAL	N-CA	-12.34	1.29	1.46
2	43	72	ARG	CA-C	12.34	1.78	1.52
2	47	72	ARG	CA-C	12.34	1.78	1.52
2	5B	72	ARG	CA-C	12.34	1.78	1.52
2	5V	224	VAL	N-CA	-12.34	1.29	1.46
2	53	72	ARG	CA-C	12.34	1.78	1.52
2	57	72	ARG	CA-C	12.34	1.78	1.52
2	6B	72	ARG	CA-C	12.34	1.78	1.52
2	6N	224	VAL	N-CA	-12.34	1.29	1.46
2	6V	224	VAL	N-CA	-12.34	1.29	1.46
2	7F	224	VAL	N-CA	-12.34	1.29	1.46
2	7R	224	VAL	N-CA	-12.34	1.29	1.46
2	1R	224	VAL	N-CA	-12.32	1.29	1.46
2	1V	224	VAL	N-CA	-12.32	1.29	1.46
2	1Z	224	VAL	N-CA	-12.32	1.29	1.46
2	2R	224	VAL	N-CA	-12.32	1.29	1.46
2	2V	224	VAL	N-CA	-12.32	1.29	1.46
2	2Z	224	VAL	N-CA	-12.32	1.29	1.46
2	43	224	VAL	N-CA	-12.32	1.29	1.46
2	47	224	VAL	N-CA	-12.32	1.29	1.46
2	5B	224	VAL	N-CA	-12.32	1.29	1.46
2	53	224	VAL	N-CA	-12.32	1.29	1.46
2	57	224	VAL	N-CA	-12.32	1.29	1.46
2	6B	224	VAL	N-CA	-12.32	1.29	1.46
2	1F	224	VAL	N-CA	-12.32	1.29	1.46
2	2N	224	VAL	N-CA	-12.32	1.29	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	224	VAL	N-CA	-12.32	1.29	1.46
2	3N	224	VAL	N-CA	-12.32	1.29	1.46
2	37	224	VAL	N-CA	-12.32	1.29	1.46
2	4J	224	VAL	N-CA	-12.32	1.29	1.46
2	4R	224	VAL	N-CA	-12.32	1.29	1.46
2	5Z	224	VAL	N-CA	-12.32	1.29	1.46
2	6F	224	VAL	N-CA	-12.32	1.29	1.46
2	6Z	224	VAL	N-CA	-12.32	1.29	1.46
2	7J	224	VAL	N-CA	-12.32	1.29	1.46
2	7V	224	VAL	N-CA	-12.32	1.29	1.46
2	1B	72	ARG	CA-C	12.31	1.78	1.52
2	1J	72	ARG	CA-C	12.31	1.78	1.52
2	2F	72	ARG	CA-C	12.31	1.78	1.52
2	27	72	ARG	CA-C	12.31	1.78	1.52
2	3F	72	ARG	CA-C	12.31	1.78	1.52
2	4B	72	ARG	CA-C	12.31	1.78	1.52
2	4N	72	ARG	CA-C	12.31	1.78	1.52
2	4V	72	ARG	CA-C	12.31	1.78	1.52
2	5R	72	ARG	CA-C	12.31	1.78	1.52
2	6J	72	ARG	CA-C	12.31	1.78	1.52
2	6R	72	ARG	CA-C	12.31	1.78	1.52
2	7N	72	ARG	CA-C	12.31	1.78	1.52
2	1B	224	VAL	N-CA	-12.31	1.29	1.46
2	1J	224	VAL	N-CA	-12.31	1.29	1.46
2	2F	224	VAL	N-CA	-12.31	1.29	1.46
2	27	224	VAL	N-CA	-12.31	1.29	1.46
2	3F	224	VAL	N-CA	-12.31	1.29	1.46
2	4B	224	VAL	N-CA	-12.31	1.29	1.46
2	4N	224	VAL	N-CA	-12.31	1.29	1.46
2	4V	224	VAL	N-CA	-12.31	1.29	1.46
2	5R	224	VAL	N-CA	-12.31	1.29	1.46
2	6J	224	VAL	N-CA	-12.31	1.29	1.46
2	6R	224	VAL	N-CA	-12.31	1.29	1.46
2	7N	224	VAL	N-CA	-12.31	1.29	1.46
2	13	224	VAL	N-CA	-12.30	1.29	1.46
2	17	224	VAL	N-CA	-12.30	1.29	1.46
2	2B	224	VAL	N-CA	-12.30	1.29	1.46
2	3R	224	VAL	N-CA	-12.30	1.29	1.46
2	3V	224	VAL	N-CA	-12.30	1.29	1.46
2	3Z	224	VAL	N-CA	-12.30	1.29	1.46
2	5F	224	VAL	N-CA	-12.30	1.29	1.46
2	5J	224	VAL	N-CA	-12.30	1.29	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	224	VAL	N-CA	-12.30	1.29	1.46
2	63	224	VAL	N-CA	-12.30	1.29	1.46
2	67	224	VAL	N-CA	-12.30	1.29	1.46
2	7B	224	VAL	N-CA	-12.30	1.29	1.46
2	13	72	ARG	CA-C	12.28	1.78	1.52
2	17	72	ARG	CA-C	12.28	1.78	1.52
2	2B	72	ARG	CA-C	12.28	1.78	1.52
2	3R	72	ARG	CA-C	12.28	1.78	1.52
2	3V	72	ARG	CA-C	12.28	1.78	1.52
2	3Z	72	ARG	CA-C	12.28	1.78	1.52
2	5F	72	ARG	CA-C	12.28	1.78	1.52
2	5J	72	ARG	CA-C	12.28	1.78	1.52
2	5N	72	ARG	CA-C	12.28	1.78	1.52
2	63	72	ARG	CA-C	12.28	1.78	1.52
2	67	72	ARG	CA-C	12.28	1.78	1.52
2	7B	72	ARG	CA-C	12.28	1.78	1.52
2	1N	72	ARG	CA-C	12.27	1.78	1.52
2	2J	72	ARG	CA-C	12.27	1.78	1.52
2	3B	72	ARG	CA-C	12.27	1.78	1.52
2	3J	72	ARG	CA-C	12.27	1.78	1.52
2	33	72	ARG	CA-C	12.27	1.78	1.52
2	4F	72	ARG	CA-C	12.27	1.78	1.52
2	4Z	72	ARG	CA-C	12.27	1.78	1.52
2	5V	72	ARG	CA-C	12.27	1.78	1.52
2	6N	72	ARG	CA-C	12.27	1.78	1.52
2	6V	72	ARG	CA-C	12.27	1.78	1.52
2	7F	72	ARG	CA-C	12.27	1.78	1.52
2	7R	72	ARG	CA-C	12.27	1.78	1.52
1	1Q	25	ASP	CG-OD1	-12.26	1.02	1.25
1	1U	25	ASP	CG-OD1	-12.26	1.02	1.25
1	1Y	25	ASP	CG-OD1	-12.26	1.02	1.25
1	2Q	25	ASP	CG-OD1	-12.26	1.02	1.25
1	2U	25	ASP	CG-OD1	-12.26	1.02	1.25
1	2Y	25	ASP	CG-OD1	-12.26	1.02	1.25
1	42	25	ASP	CG-OD1	-12.26	1.02	1.25
1	46	25	ASP	CG-OD1	-12.26	1.02	1.25
1	5A	25	ASP	CG-OD1	-12.26	1.02	1.25
1	52	25	ASP	CG-OD1	-12.26	1.02	1.25
1	56	25	ASP	CG-OD1	-12.26	1.02	1.25
1	6A	25	ASP	CG-OD1	-12.26	1.02	1.25
1	1A	25	ASP	CG-OD1	-12.25	1.02	1.25
1	1I	25	ASP	CG-OD1	-12.25	1.02	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	25	ASP	CG-OD1	-12.25	1.02	1.25
1	26	25	ASP	CG-OD1	-12.25	1.02	1.25
1	3E	25	ASP	CG-OD1	-12.25	1.02	1.25
1	4A	25	ASP	CG-OD1	-12.25	1.02	1.25
1	4M	25	ASP	CG-OD1	-12.25	1.02	1.25
1	4U	25	ASP	CG-OD1	-12.25	1.02	1.25
1	5Q	25	ASP	CG-OD1	-12.25	1.02	1.25
1	6I	25	ASP	CG-OD1	-12.25	1.02	1.25
1	6Q	25	ASP	CG-OD1	-12.25	1.02	1.25
1	7M	25	ASP	CG-OD1	-12.25	1.02	1.25
1	1E	25	ASP	CG-OD1	-12.24	1.02	1.25
2	1F	24	PRO	C-O	-12.24	1.08	1.24
1	2M	25	ASP	CG-OD1	-12.24	1.02	1.25
1	22	25	ASP	CG-OD1	-12.24	1.02	1.25
1	4Q	25	ASP	CG-OD1	-12.24	1.02	1.25
1	6E	25	ASP	CG-OD1	-12.24	1.02	1.25
1	6Y	25	ASP	CG-OD1	-12.24	1.02	1.25
1	7I	25	ASP	CG-OD1	-12.24	1.02	1.25
1	12	25	ASP	CG-OD1	-12.24	1.02	1.25
1	16	25	ASP	CG-OD1	-12.24	1.02	1.25
1	2A	25	ASP	CG-OD1	-12.24	1.02	1.25
2	2N	24	PRO	C-O	-12.24	1.08	1.24
2	23	24	PRO	C-O	-12.24	1.08	1.24
1	3M	25	ASP	CG-OD1	-12.24	1.02	1.25
2	3N	24	PRO	C-O	-12.24	1.08	1.24
1	36	25	ASP	CG-OD1	-12.24	1.02	1.25
1	3Q	25	ASP	CG-OD1	-12.24	1.02	1.25
1	3U	25	ASP	CG-OD1	-12.24	1.02	1.25
1	3Y	25	ASP	CG-OD1	-12.24	1.02	1.25
2	37	24	PRO	C-O	-12.24	1.08	1.24
1	4I	25	ASP	CG-OD1	-12.24	1.02	1.25
2	4J	24	PRO	C-O	-12.24	1.08	1.24
2	4R	24	PRO	C-O	-12.24	1.08	1.24
1	5Y	25	ASP	CG-OD1	-12.24	1.02	1.25
1	5E	25	ASP	CG-OD1	-12.24	1.02	1.25
1	5I	25	ASP	CG-OD1	-12.24	1.02	1.25
1	5M	25	ASP	CG-OD1	-12.24	1.02	1.25
2	5Z	24	PRO	C-O	-12.24	1.08	1.24
2	6F	24	PRO	C-O	-12.24	1.08	1.24
2	6Z	24	PRO	C-O	-12.24	1.08	1.24
1	62	25	ASP	CG-OD1	-12.24	1.02	1.25
1	66	25	ASP	CG-OD1	-12.24	1.02	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7A	25	ASP	CG-OD1	-12.24	1.02	1.25
2	7J	24	PRO	C-O	-12.24	1.08	1.24
1	7U	25	ASP	CG-OD1	-12.24	1.02	1.25
2	7V	24	PRO	C-O	-12.24	1.08	1.24
2	1B	1	ALA	C-O	12.22	1.48	1.23
2	1J	1	ALA	C-O	12.22	1.48	1.23
2	2F	1	ALA	C-O	12.22	1.48	1.23
2	27	1	ALA	C-O	12.22	1.48	1.23
2	3F	1	ALA	C-O	12.22	1.48	1.23
2	4B	1	ALA	C-O	12.22	1.48	1.23
2	4N	1	ALA	C-O	12.22	1.48	1.23
2	4V	1	ALA	C-O	12.22	1.48	1.23
2	5R	1	ALA	C-O	12.22	1.48	1.23
2	6J	1	ALA	C-O	12.22	1.48	1.23
2	6R	1	ALA	C-O	12.22	1.48	1.23
2	7N	1	ALA	C-O	12.22	1.48	1.23
2	1B	24	PRO	C-O	-12.21	1.08	1.24
2	1J	24	PRO	C-O	-12.21	1.08	1.24
2	2F	24	PRO	C-O	-12.21	1.08	1.24
2	27	24	PRO	C-O	-12.21	1.08	1.24
2	3F	24	PRO	C-O	-12.21	1.08	1.24
2	4B	24	PRO	C-O	-12.21	1.08	1.24
2	4N	24	PRO	C-O	-12.21	1.08	1.24
2	4V	24	PRO	C-O	-12.21	1.08	1.24
2	5R	24	PRO	C-O	-12.21	1.08	1.24
2	6J	24	PRO	C-O	-12.21	1.08	1.24
2	6R	24	PRO	C-O	-12.21	1.08	1.24
2	7N	24	PRO	C-O	-12.21	1.08	1.24
2	1N	24	PRO	C-O	-12.21	1.08	1.24
2	1R	1	ALA	C-O	12.21	1.48	1.23
2	1V	1	ALA	C-O	12.21	1.48	1.23
2	1Z	1	ALA	C-O	12.21	1.48	1.23
2	2J	24	PRO	C-O	-12.21	1.08	1.24
2	2R	1	ALA	C-O	12.21	1.48	1.23
2	2V	1	ALA	C-O	12.21	1.48	1.23
2	2Z	1	ALA	C-O	12.21	1.48	1.23
2	3B	24	PRO	C-O	-12.21	1.08	1.24
2	3J	24	PRO	C-O	-12.21	1.08	1.24
2	33	24	PRO	C-O	-12.21	1.08	1.24
2	4F	24	PRO	C-O	-12.21	1.08	1.24
2	4Z	24	PRO	C-O	-12.21	1.08	1.24
2	43	1	ALA	C-O	12.21	1.48	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	1	ALA	C-O	12.21	1.48	1.23
2	5B	1	ALA	C-O	12.21	1.48	1.23
2	5V	24	PRO	C-O	-12.21	1.08	1.24
2	53	1	ALA	C-O	12.21	1.48	1.23
2	57	1	ALA	C-O	12.21	1.48	1.23
2	6B	1	ALA	C-O	12.21	1.48	1.23
2	6N	24	PRO	C-O	-12.21	1.08	1.24
2	6V	24	PRO	C-O	-12.21	1.08	1.24
2	7F	24	PRO	C-O	-12.21	1.08	1.24
2	7R	24	PRO	C-O	-12.21	1.08	1.24
2	1F	1	ALA	C-O	12.20	1.48	1.23
2	2N	1	ALA	C-O	12.20	1.48	1.23
2	23	1	ALA	C-O	12.20	1.48	1.23
2	3N	1	ALA	C-O	12.20	1.48	1.23
2	37	1	ALA	C-O	12.20	1.48	1.23
2	4J	1	ALA	C-O	12.20	1.48	1.23
2	4R	1	ALA	C-O	12.20	1.48	1.23
2	5Z	1	ALA	C-O	12.20	1.48	1.23
2	6F	1	ALA	C-O	12.20	1.48	1.23
2	6Z	1	ALA	C-O	12.20	1.48	1.23
2	7J	1	ALA	C-O	12.20	1.48	1.23
2	7V	1	ALA	C-O	12.20	1.48	1.23
2	1R	24	PRO	C-O	-12.20	1.08	1.24
2	1V	24	PRO	C-O	-12.20	1.08	1.24
2	1Z	24	PRO	C-O	-12.20	1.08	1.24
2	2R	24	PRO	C-O	-12.20	1.08	1.24
2	2V	24	PRO	C-O	-12.20	1.08	1.24
2	2Z	24	PRO	C-O	-12.20	1.08	1.24
2	43	24	PRO	C-O	-12.20	1.08	1.24
2	47	24	PRO	C-O	-12.20	1.08	1.24
2	5B	24	PRO	C-O	-12.20	1.08	1.24
2	53	24	PRO	C-O	-12.20	1.08	1.24
2	57	24	PRO	C-O	-12.20	1.08	1.24
2	6B	24	PRO	C-O	-12.20	1.08	1.24
1	1M	25	ASP	CG-OD1	-12.20	1.02	1.25
1	2I	25	ASP	CG-OD1	-12.20	1.02	1.25
1	3A	25	ASP	CG-OD1	-12.20	1.02	1.25
1	3I	25	ASP	CG-OD1	-12.20	1.02	1.25
1	32	25	ASP	CG-OD1	-12.20	1.02	1.25
1	4E	25	ASP	CG-OD1	-12.20	1.02	1.25
1	4Y	25	ASP	CG-OD1	-12.20	1.02	1.25
1	5U	25	ASP	CG-OD1	-12.20	1.02	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	25	ASP	CG-OD1	-12.20	1.02	1.25
1	6U	25	ASP	CG-OD1	-12.20	1.02	1.25
1	7E	25	ASP	CG-OD1	-12.20	1.02	1.25
1	7Q	25	ASP	CG-OD1	-12.20	1.02	1.25
1	1A	31	LYS	CD-CE	12.17	1.89	1.52
1	1I	31	LYS	CD-CE	12.17	1.89	1.52
2	13	1	ALA	C-O	12.17	1.47	1.23
2	17	1	ALA	C-O	12.17	1.47	1.23
2	2B	1	ALA	C-O	12.17	1.47	1.23
1	2E	31	LYS	CD-CE	12.17	1.89	1.52
1	26	31	LYS	CD-CE	12.17	1.89	1.52
1	3E	31	LYS	CD-CE	12.17	1.89	1.52
2	3R	1	ALA	C-O	12.17	1.47	1.23
2	3V	1	ALA	C-O	12.17	1.47	1.23
2	3Z	1	ALA	C-O	12.17	1.47	1.23
1	4A	31	LYS	CD-CE	12.17	1.89	1.52
1	4M	31	LYS	CD-CE	12.17	1.89	1.52
1	4U	31	LYS	CD-CE	12.17	1.89	1.52
2	5F	1	ALA	C-O	12.17	1.47	1.23
2	5J	1	ALA	C-O	12.17	1.47	1.23
2	5N	1	ALA	C-O	12.17	1.47	1.23
1	5Q	31	LYS	CD-CE	12.17	1.89	1.52
1	6I	31	LYS	CD-CE	12.17	1.89	1.52
1	6Q	31	LYS	CD-CE	12.17	1.89	1.52
2	63	1	ALA	C-O	12.17	1.47	1.23
2	67	1	ALA	C-O	12.17	1.47	1.23
2	7B	1	ALA	C-O	12.17	1.47	1.23
1	7M	31	LYS	CD-CE	12.17	1.89	1.52
1	12	31	LYS	CD-CE	12.17	1.89	1.52
1	16	31	LYS	CD-CE	12.17	1.89	1.52
1	2A	31	LYS	CD-CE	12.17	1.89	1.52
1	3Q	31	LYS	CD-CE	12.17	1.89	1.52
1	3U	31	LYS	CD-CE	12.17	1.89	1.52
1	3Y	31	LYS	CD-CE	12.17	1.89	1.52
1	5E	31	LYS	CD-CE	12.17	1.89	1.52
1	5I	31	LYS	CD-CE	12.17	1.89	1.52
1	5M	31	LYS	CD-CE	12.17	1.89	1.52
1	62	31	LYS	CD-CE	12.17	1.89	1.52
1	66	31	LYS	CD-CE	12.17	1.89	1.52
1	7A	31	LYS	CD-CE	12.17	1.89	1.52
1	1E	31	LYS	CD-CE	12.16	1.89	1.52
1	2M	31	LYS	CD-CE	12.16	1.89	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	31	LYS	CD-CE	12.16	1.89	1.52
1	3M	31	LYS	CD-CE	12.16	1.89	1.52
1	36	31	LYS	CD-CE	12.16	1.89	1.52
1	4I	31	LYS	CD-CE	12.16	1.89	1.52
1	4Q	31	LYS	CD-CE	12.16	1.89	1.52
1	5Y	31	LYS	CD-CE	12.16	1.89	1.52
1	6E	31	LYS	CD-CE	12.16	1.89	1.52
1	6Y	31	LYS	CD-CE	12.16	1.89	1.52
1	7I	31	LYS	CD-CE	12.16	1.89	1.52
1	7U	31	LYS	CD-CE	12.16	1.89	1.52
2	1N	1	ALA	C-O	12.16	1.47	1.23
2	13	24	PRO	C-O	-12.16	1.08	1.24
2	17	24	PRO	C-O	-12.16	1.08	1.24
2	2B	24	PRO	C-O	-12.16	1.08	1.24
2	2J	1	ALA	C-O	12.16	1.47	1.23
2	3B	1	ALA	C-O	12.16	1.47	1.23
2	3J	1	ALA	C-O	12.16	1.47	1.23
2	3R	24	PRO	C-O	-12.16	1.08	1.24
2	3V	24	PRO	C-O	-12.16	1.08	1.24
2	3Z	24	PRO	C-O	-12.16	1.08	1.24
2	33	1	ALA	C-O	12.16	1.47	1.23
2	4F	1	ALA	C-O	12.16	1.47	1.23
2	4Z	1	ALA	C-O	12.16	1.47	1.23
2	5F	24	PRO	C-O	-12.16	1.08	1.24
2	5J	24	PRO	C-O	-12.16	1.08	1.24
2	5N	24	PRO	C-O	-12.16	1.08	1.24
2	5V	1	ALA	C-O	12.16	1.47	1.23
2	6N	1	ALA	C-O	12.16	1.47	1.23
2	6V	1	ALA	C-O	12.16	1.47	1.23
2	63	24	PRO	C-O	-12.16	1.08	1.24
2	67	24	PRO	C-O	-12.16	1.08	1.24
2	7B	24	PRO	C-O	-12.16	1.08	1.24
2	7F	1	ALA	C-O	12.16	1.47	1.23
2	7R	1	ALA	C-O	12.16	1.47	1.23
1	1M	31	LYS	CD-CE	12.15	1.89	1.52
1	2I	31	LYS	CD-CE	12.15	1.89	1.52
1	3A	31	LYS	CD-CE	12.15	1.89	1.52
1	3I	31	LYS	CD-CE	12.15	1.89	1.52
1	32	31	LYS	CD-CE	12.15	1.89	1.52
1	4E	31	LYS	CD-CE	12.15	1.89	1.52
1	4Y	31	LYS	CD-CE	12.15	1.89	1.52
1	5U	31	LYS	CD-CE	12.15	1.89	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	31	LYS	CD-CE	12.15	1.89	1.52
1	6U	31	LYS	CD-CE	12.15	1.89	1.52
1	7E	31	LYS	CD-CE	12.15	1.89	1.52
1	7Q	31	LYS	CD-CE	12.15	1.89	1.52
1	1Q	31	LYS	CD-CE	12.15	1.88	1.52
1	1U	31	LYS	CD-CE	12.15	1.88	1.52
1	1Y	31	LYS	CD-CE	12.15	1.88	1.52
1	2Q	31	LYS	CD-CE	12.15	1.88	1.52
1	2U	31	LYS	CD-CE	12.15	1.88	1.52
1	2Y	31	LYS	CD-CE	12.15	1.88	1.52
1	42	31	LYS	CD-CE	12.15	1.88	1.52
1	46	31	LYS	CD-CE	12.15	1.88	1.52
1	5A	31	LYS	CD-CE	12.15	1.88	1.52
1	52	31	LYS	CD-CE	12.15	1.88	1.52
1	56	31	LYS	CD-CE	12.15	1.88	1.52
1	6A	31	LYS	CD-CE	12.15	1.88	1.52
2	1N	216	ASN	CA-C	-12.08	1.35	1.53
2	2J	216	ASN	CA-C	-12.08	1.35	1.53
2	3B	216	ASN	CA-C	-12.08	1.35	1.53
2	3J	216	ASN	CA-C	-12.08	1.35	1.53
2	33	216	ASN	CA-C	-12.08	1.35	1.53
2	4F	216	ASN	CA-C	-12.08	1.35	1.53
2	4Z	216	ASN	CA-C	-12.08	1.35	1.53
2	5V	216	ASN	CA-C	-12.08	1.35	1.53
2	6N	216	ASN	CA-C	-12.08	1.35	1.53
2	6V	216	ASN	CA-C	-12.08	1.35	1.53
2	7F	216	ASN	CA-C	-12.08	1.35	1.53
2	7R	216	ASN	CA-C	-12.08	1.35	1.53
2	1F	108	HIS	CE1-NE2	12.07	1.44	1.32
2	2N	108	HIS	CE1-NE2	12.07	1.44	1.32
2	23	108	HIS	CE1-NE2	12.07	1.44	1.32
2	3N	108	HIS	CE1-NE2	12.07	1.44	1.32
2	37	108	HIS	CE1-NE2	12.07	1.44	1.32
2	4J	108	HIS	CE1-NE2	12.07	1.44	1.32
2	4R	108	HIS	CE1-NE2	12.07	1.44	1.32
2	5Z	108	HIS	CE1-NE2	12.07	1.44	1.32
2	6F	108	HIS	CE1-NE2	12.07	1.44	1.32
2	6Z	108	HIS	CE1-NE2	12.07	1.44	1.32
2	7J	108	HIS	CE1-NE2	12.07	1.44	1.32
2	7V	108	HIS	CE1-NE2	12.07	1.44	1.32
2	1R	216	ASN	CA-C	-12.07	1.35	1.53
2	1V	216	ASN	CA-C	-12.07	1.35	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	216	ASN	CA-C	-12.07	1.35	1.53
2	2R	216	ASN	CA-C	-12.07	1.35	1.53
2	2V	216	ASN	CA-C	-12.07	1.35	1.53
2	2Z	216	ASN	CA-C	-12.07	1.35	1.53
2	43	216	ASN	CA-C	-12.07	1.35	1.53
2	47	216	ASN	CA-C	-12.07	1.35	1.53
2	5B	216	ASN	CA-C	-12.07	1.35	1.53
2	53	216	ASN	CA-C	-12.07	1.35	1.53
2	57	216	ASN	CA-C	-12.07	1.35	1.53
2	6B	216	ASN	CA-C	-12.07	1.35	1.53
2	1N	46	TYR	CG-CD1	12.06	1.64	1.39
2	2J	46	TYR	CG-CD1	12.06	1.64	1.39
2	3B	46	TYR	CG-CD1	12.06	1.64	1.39
2	3J	46	TYR	CG-CD1	12.06	1.64	1.39
2	33	46	TYR	CG-CD1	12.06	1.64	1.39
2	4F	46	TYR	CG-CD1	12.06	1.64	1.39
2	4Z	46	TYR	CG-CD1	12.06	1.64	1.39
2	5V	46	TYR	CG-CD1	12.06	1.64	1.39
2	6N	46	TYR	CG-CD1	12.06	1.64	1.39
2	6V	46	TYR	CG-CD1	12.06	1.64	1.39
2	7F	46	TYR	CG-CD1	12.06	1.64	1.39
2	7R	46	TYR	CG-CD1	12.06	1.64	1.39
1	1A	147	ARG	C-O	-12.05	1.10	1.23
1	1I	147	ARG	C-O	-12.05	1.10	1.23
1	2E	147	ARG	C-O	-12.05	1.10	1.23
1	26	147	ARG	C-O	-12.05	1.10	1.23
1	3E	147	ARG	C-O	-12.05	1.10	1.23
1	4A	147	ARG	C-O	-12.05	1.10	1.23
1	4M	147	ARG	C-O	-12.05	1.10	1.23
1	4U	147	ARG	C-O	-12.05	1.10	1.23
1	5Q	147	ARG	C-O	-12.05	1.10	1.23
1	6I	147	ARG	C-O	-12.05	1.10	1.23
1	6Q	147	ARG	C-O	-12.05	1.10	1.23
1	7M	147	ARG	C-O	-12.05	1.10	1.23
2	1F	46	TYR	CG-CD1	12.05	1.64	1.39
2	1F	216	ASN	CA-C	-12.05	1.35	1.53
1	12	147	ARG	C-O	-12.05	1.10	1.23
1	16	147	ARG	C-O	-12.05	1.10	1.23
1	2A	147	ARG	C-O	-12.05	1.10	1.23
2	2N	46	TYR	CG-CD1	12.05	1.64	1.39
2	2N	216	ASN	CA-C	-12.05	1.35	1.53
2	23	46	TYR	CG-CD1	12.05	1.64	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	216	ASN	CA-C	-12.05	1.35	1.53
2	3N	46	TYR	CG-CD1	12.05	1.64	1.39
2	3N	216	ASN	CA-C	-12.05	1.35	1.53
1	3Q	147	ARG	C-O	-12.05	1.10	1.23
1	3U	147	ARG	C-O	-12.05	1.10	1.23
1	3Y	147	ARG	C-O	-12.05	1.10	1.23
2	37	46	TYR	CG-CD1	12.05	1.64	1.39
2	37	216	ASN	CA-C	-12.05	1.35	1.53
2	4J	46	TYR	CG-CD1	12.05	1.64	1.39
2	4J	216	ASN	CA-C	-12.05	1.35	1.53
2	4R	46	TYR	CG-CD1	12.05	1.64	1.39
2	4R	216	ASN	CA-C	-12.05	1.35	1.53
1	5E	147	ARG	C-O	-12.05	1.10	1.23
1	5I	147	ARG	C-O	-12.05	1.10	1.23
1	5M	147	ARG	C-O	-12.05	1.10	1.23
2	5Z	46	TYR	CG-CD1	12.05	1.64	1.39
2	5Z	216	ASN	CA-C	-12.05	1.35	1.53
2	6F	46	TYR	CG-CD1	12.05	1.64	1.39
2	6F	216	ASN	CA-C	-12.05	1.35	1.53
2	6Z	46	TYR	CG-CD1	12.05	1.64	1.39
2	6Z	216	ASN	CA-C	-12.05	1.35	1.53
1	62	147	ARG	C-O	-12.05	1.10	1.23
1	66	147	ARG	C-O	-12.05	1.10	1.23
1	7A	147	ARG	C-O	-12.05	1.10	1.23
2	7J	46	TYR	CG-CD1	12.05	1.64	1.39
2	7J	216	ASN	CA-C	-12.05	1.35	1.53
2	7V	46	TYR	CG-CD1	12.05	1.64	1.39
2	7V	216	ASN	CA-C	-12.05	1.35	1.53
2	1F	71	ALA	C-N	12.05	1.50	1.33
1	1M	147	ARG	C-O	-12.05	1.10	1.23
1	2I	147	ARG	C-O	-12.05	1.10	1.23
2	2N	71	ALA	C-N	12.05	1.50	1.33
2	23	71	ALA	C-N	12.05	1.50	1.33
1	3A	147	ARG	C-O	-12.05	1.10	1.23
1	3I	147	ARG	C-O	-12.05	1.10	1.23
2	3N	71	ALA	C-N	12.05	1.50	1.33
1	32	147	ARG	C-O	-12.05	1.10	1.23
2	37	71	ALA	C-N	12.05	1.50	1.33
1	4E	147	ARG	C-O	-12.05	1.10	1.23
2	4J	71	ALA	C-N	12.05	1.50	1.33
2	4R	71	ALA	C-N	12.05	1.50	1.33
1	4Y	147	ARG	C-O	-12.05	1.10	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5U	147	ARG	C-O	-12.05	1.10	1.23
2	5Z	71	ALA	C-N	12.05	1.50	1.33
2	6F	71	ALA	C-N	12.05	1.50	1.33
1	6M	147	ARG	C-O	-12.05	1.10	1.23
1	6U	147	ARG	C-O	-12.05	1.10	1.23
2	6Z	71	ALA	C-N	12.05	1.50	1.33
1	7E	147	ARG	C-O	-12.05	1.10	1.23
2	7J	71	ALA	C-N	12.05	1.50	1.33
1	7Q	147	ARG	C-O	-12.05	1.10	1.23
2	7V	71	ALA	C-N	12.05	1.50	1.33
2	1R	6	LYS	C-N	12.05	1.50	1.33
2	1V	6	LYS	C-N	12.05	1.50	1.33
2	1Z	6	LYS	C-N	12.05	1.50	1.33
2	2R	6	LYS	C-N	12.05	1.50	1.33
2	2V	6	LYS	C-N	12.05	1.50	1.33
2	2Z	6	LYS	C-N	12.05	1.50	1.33
2	43	6	LYS	C-N	12.05	1.50	1.33
2	47	6	LYS	C-N	12.05	1.50	1.33
2	5B	6	LYS	C-N	12.05	1.50	1.33
2	53	6	LYS	C-N	12.05	1.50	1.33
2	57	6	LYS	C-N	12.05	1.50	1.33
2	6B	6	LYS	C-N	12.05	1.50	1.33
1	1M	145	LEU	CG-CD1	12.04	1.92	1.52
1	2I	145	LEU	CG-CD1	12.04	1.92	1.52
1	3A	145	LEU	CG-CD1	12.04	1.92	1.52
1	3I	145	LEU	CG-CD1	12.04	1.92	1.52
1	32	145	LEU	CG-CD1	12.04	1.92	1.52
1	4E	145	LEU	CG-CD1	12.04	1.92	1.52
1	4Y	145	LEU	CG-CD1	12.04	1.92	1.52
1	5U	145	LEU	CG-CD1	12.04	1.92	1.52
1	6M	145	LEU	CG-CD1	12.04	1.92	1.52
1	6U	145	LEU	CG-CD1	12.04	1.92	1.52
1	7E	145	LEU	CG-CD1	12.04	1.92	1.52
1	7Q	145	LEU	CG-CD1	12.04	1.92	1.52
2	1N	71	ALA	C-N	12.04	1.50	1.33
1	1Q	147	ARG	C-O	-12.04	1.10	1.23
1	1U	147	ARG	C-O	-12.04	1.10	1.23
1	1Y	147	ARG	C-O	-12.04	1.10	1.23
1	2Q	147	ARG	C-O	-12.04	1.10	1.23
2	3J	71	ALA	C-N	12.04	1.50	1.33
2	4F	71	ALA	C-N	12.04	1.50	1.33
1	42	147	ARG	C-O	-12.04	1.10	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	46	147	ARG	C-O	-12.04	1.10	1.23
1	52	147	ARG	C-O	-12.04	1.10	1.23
1	56	147	ARG	C-O	-12.04	1.10	1.23
1	6A	147	ARG	C-O	-12.04	1.10	1.23
2	7R	71	ALA	C-N	12.04	1.50	1.33
2	1B	46	TYR	CG-CD1	12.04	1.64	1.39
2	1J	46	TYR	CG-CD1	12.04	1.64	1.39
2	1N	6	LYS	C-N	12.04	1.50	1.33
1	1Q	180	VAL	C-N	12.04	1.50	1.33
2	1R	71	ALA	C-N	12.04	1.50	1.33
1	1U	180	VAL	C-N	12.04	1.50	1.33
2	1V	71	ALA	C-N	12.04	1.50	1.33
1	1Y	180	VAL	C-N	12.04	1.50	1.33
2	1Z	71	ALA	C-N	12.04	1.50	1.33
2	2J	71	ALA	C-N	12.04	1.50	1.33
2	2F	46	TYR	CG-CD1	12.04	1.64	1.39
2	2J	6	LYS	C-N	12.04	1.50	1.33
1	2Q	180	VAL	C-N	12.04	1.50	1.33
2	2R	71	ALA	C-N	12.04	1.50	1.33
1	2U	147	ARG	C-O	-12.04	1.10	1.23
1	2U	180	VAL	C-N	12.04	1.50	1.33
2	2V	71	ALA	C-N	12.04	1.50	1.33
1	2Y	147	ARG	C-O	-12.04	1.10	1.23
1	2Y	180	VAL	C-N	12.04	1.50	1.33
2	2Z	71	ALA	C-N	12.04	1.50	1.33
2	3B	71	ALA	C-N	12.04	1.50	1.33
2	33	71	ALA	C-N	12.04	1.50	1.33
2	4Z	71	ALA	C-N	12.04	1.50	1.33
1	5A	147	ARG	C-O	-12.04	1.10	1.23
2	6V	71	ALA	C-N	12.04	1.50	1.33
2	7F	71	ALA	C-N	12.04	1.50	1.33
2	27	46	TYR	CG-CD1	12.04	1.64	1.39
2	3B	6	LYS	C-N	12.04	1.50	1.33
2	3F	46	TYR	CG-CD1	12.04	1.64	1.39
2	3J	6	LYS	C-N	12.04	1.50	1.33
2	33	6	LYS	C-N	12.04	1.50	1.33
2	4B	46	TYR	CG-CD1	12.04	1.64	1.39
2	4F	6	LYS	C-N	12.04	1.50	1.33
2	4N	46	TYR	CG-CD1	12.04	1.64	1.39
2	4V	46	TYR	CG-CD1	12.04	1.64	1.39
2	4Z	6	LYS	C-N	12.04	1.50	1.33
1	42	180	VAL	C-N	12.04	1.50	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	43	71	ALA	C-N	12.04	1.50	1.33
1	46	180	VAL	C-N	12.04	1.50	1.33
2	47	71	ALA	C-N	12.04	1.50	1.33
1	5A	180	VAL	C-N	12.04	1.50	1.33
2	5B	71	ALA	C-N	12.04	1.50	1.33
2	5V	71	ALA	C-N	12.04	1.50	1.33
2	5R	46	TYR	CG-CD1	12.04	1.64	1.39
2	5V	6	LYS	C-N	12.04	1.50	1.33
1	52	180	VAL	C-N	12.04	1.50	1.33
2	53	71	ALA	C-N	12.04	1.50	1.33
1	56	180	VAL	C-N	12.04	1.50	1.33
2	57	71	ALA	C-N	12.04	1.50	1.33
1	6A	180	VAL	C-N	12.04	1.50	1.33
2	6B	71	ALA	C-N	12.04	1.50	1.33
2	6N	71	ALA	C-N	12.04	1.50	1.33
2	6J	46	TYR	CG-CD1	12.04	1.64	1.39
2	6N	6	LYS	C-N	12.04	1.50	1.33
2	6R	46	TYR	CG-CD1	12.04	1.64	1.39
2	6V	6	LYS	C-N	12.04	1.50	1.33
2	7F	6	LYS	C-N	12.04	1.50	1.33
2	7N	46	TYR	CG-CD1	12.04	1.64	1.39
2	7R	6	LYS	C-N	12.04	1.50	1.33
2	13	216	ASN	CA-C	-12.04	1.35	1.53
2	17	216	ASN	CA-C	-12.04	1.35	1.53
2	2B	216	ASN	CA-C	-12.04	1.35	1.53
2	3R	216	ASN	CA-C	-12.04	1.35	1.53
2	3V	216	ASN	CA-C	-12.04	1.35	1.53
2	3Z	216	ASN	CA-C	-12.04	1.35	1.53
2	5F	216	ASN	CA-C	-12.04	1.35	1.53
2	5J	216	ASN	CA-C	-12.04	1.35	1.53
2	5N	216	ASN	CA-C	-12.04	1.35	1.53
2	63	216	ASN	CA-C	-12.04	1.35	1.53
2	67	216	ASN	CA-C	-12.04	1.35	1.53
2	7B	216	ASN	CA-C	-12.04	1.35	1.53
1	12	145	LEU	CG-CD1	12.04	1.92	1.52
1	16	145	LEU	CG-CD1	12.04	1.92	1.52
1	2A	145	LEU	CG-CD1	12.04	1.92	1.52
1	3Q	145	LEU	CG-CD1	12.04	1.92	1.52
1	3U	145	LEU	CG-CD1	12.04	1.92	1.52
1	3Y	145	LEU	CG-CD1	12.04	1.92	1.52
1	5E	145	LEU	CG-CD1	12.04	1.92	1.52
1	5I	145	LEU	CG-CD1	12.04	1.92	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	145	LEU	CG-CD1	12.04	1.92	1.52
1	62	145	LEU	CG-CD1	12.04	1.92	1.52
1	66	145	LEU	CG-CD1	12.04	1.92	1.52
1	7A	145	LEU	CG-CD1	12.04	1.92	1.52
2	1F	228	ASP	CA-CB	12.04	1.73	1.53
2	1R	228	ASP	CA-CB	12.04	1.73	1.53
2	1V	228	ASP	CA-CB	12.04	1.73	1.53
2	1Z	228	ASP	CA-CB	12.04	1.73	1.53
2	2N	228	ASP	CA-CB	12.04	1.73	1.53
2	2R	228	ASP	CA-CB	12.04	1.73	1.53
2	2V	228	ASP	CA-CB	12.04	1.73	1.53
2	2Z	228	ASP	CA-CB	12.04	1.73	1.53
2	23	228	ASP	CA-CB	12.04	1.73	1.53
2	3N	228	ASP	CA-CB	12.04	1.73	1.53
2	37	228	ASP	CA-CB	12.04	1.73	1.53
2	4J	228	ASP	CA-CB	12.04	1.73	1.53
2	4R	228	ASP	CA-CB	12.04	1.73	1.53
2	43	228	ASP	CA-CB	12.04	1.73	1.53
2	47	228	ASP	CA-CB	12.04	1.73	1.53
2	5B	228	ASP	CA-CB	12.04	1.73	1.53
2	5Z	228	ASP	CA-CB	12.04	1.73	1.53
2	53	228	ASP	CA-CB	12.04	1.73	1.53
2	57	228	ASP	CA-CB	12.04	1.73	1.53
2	6B	228	ASP	CA-CB	12.04	1.73	1.53
2	6F	228	ASP	CA-CB	12.04	1.73	1.53
2	6Z	228	ASP	CA-CB	12.04	1.73	1.53
2	7J	228	ASP	CA-CB	12.04	1.73	1.53
2	7V	228	ASP	CA-CB	12.04	1.73	1.53
1	1A	180	VAL	C-N	12.03	1.50	1.33
2	1B	71	ALA	C-N	12.03	1.50	1.33
1	1E	180	VAL	C-N	12.03	1.50	1.33
1	1I	180	VAL	C-N	12.03	1.50	1.33
2	1J	71	ALA	C-N	12.03	1.50	1.33
2	13	71	ALA	C-N	12.03	1.50	1.33
2	13	108	HIS	CE1-NE2	12.03	1.44	1.32
2	17	71	ALA	C-N	12.03	1.50	1.33
2	17	108	HIS	CE1-NE2	12.03	1.44	1.32
2	2B	71	ALA	C-N	12.03	1.50	1.33
2	2B	108	HIS	CE1-NE2	12.03	1.44	1.32
1	2E	180	VAL	C-N	12.03	1.50	1.33
2	2F	71	ALA	C-N	12.03	1.50	1.33
1	2M	180	VAL	C-N	12.03	1.50	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	180	VAL	C-N	12.03	1.50	1.33
1	26	180	VAL	C-N	12.03	1.50	1.33
2	27	71	ALA	C-N	12.03	1.50	1.33
1	3E	180	VAL	C-N	12.03	1.50	1.33
2	3F	71	ALA	C-N	12.03	1.50	1.33
1	3M	180	VAL	C-N	12.03	1.50	1.33
2	3R	71	ALA	C-N	12.03	1.50	1.33
2	3R	108	HIS	CE1-NE2	12.03	1.44	1.32
2	3V	71	ALA	C-N	12.03	1.50	1.33
2	3V	108	HIS	CE1-NE2	12.03	1.44	1.32
2	3Z	71	ALA	C-N	12.03	1.50	1.33
2	3Z	108	HIS	CE1-NE2	12.03	1.44	1.32
1	36	180	VAL	C-N	12.03	1.50	1.33
1	4A	180	VAL	C-N	12.03	1.50	1.33
2	4B	71	ALA	C-N	12.03	1.50	1.33
1	4I	180	VAL	C-N	12.03	1.50	1.33
1	4M	180	VAL	C-N	12.03	1.50	1.33
2	4N	71	ALA	C-N	12.03	1.50	1.33
1	4Q	180	VAL	C-N	12.03	1.50	1.33
1	4U	180	VAL	C-N	12.03	1.50	1.33
2	4V	71	ALA	C-N	12.03	1.50	1.33
2	5F	71	ALA	C-N	12.03	1.50	1.33
2	5F	108	HIS	CE1-NE2	12.03	1.44	1.32
2	5J	71	ALA	C-N	12.03	1.50	1.33
2	5J	108	HIS	CE1-NE2	12.03	1.44	1.32
2	5N	71	ALA	C-N	12.03	1.50	1.33
2	5N	108	HIS	CE1-NE2	12.03	1.44	1.32
1	5Q	180	VAL	C-N	12.03	1.50	1.33
2	5R	71	ALA	C-N	12.03	1.50	1.33
1	5Y	180	VAL	C-N	12.03	1.50	1.33
1	6E	180	VAL	C-N	12.03	1.50	1.33
1	6I	180	VAL	C-N	12.03	1.50	1.33
2	6J	71	ALA	C-N	12.03	1.50	1.33
1	6Q	180	VAL	C-N	12.03	1.50	1.33
2	6R	71	ALA	C-N	12.03	1.50	1.33
1	6Y	180	VAL	C-N	12.03	1.50	1.33
2	63	71	ALA	C-N	12.03	1.50	1.33
2	63	108	HIS	CE1-NE2	12.03	1.44	1.32
2	67	71	ALA	C-N	12.03	1.50	1.33
2	67	108	HIS	CE1-NE2	12.03	1.44	1.32
2	7B	71	ALA	C-N	12.03	1.50	1.33
2	7B	108	HIS	CE1-NE2	12.03	1.44	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7I	180	VAL	C-N	12.03	1.50	1.33
1	7M	180	VAL	C-N	12.03	1.50	1.33
2	7N	71	ALA	C-N	12.03	1.50	1.33
1	7U	180	VAL	C-N	12.03	1.50	1.33
1	1A	145	LEU	CG-CD1	12.03	1.92	1.52
1	1E	147	ARG	C-O	-12.03	1.10	1.23
2	1R	46	TYR	CG-CD1	12.03	1.64	1.39
2	1V	46	TYR	CG-CD1	12.03	1.64	1.39
2	1Z	46	TYR	CG-CD1	12.03	1.64	1.39
2	2R	46	TYR	CG-CD1	12.03	1.64	1.39
2	2V	46	TYR	CG-CD1	12.03	1.64	1.39
2	2Z	46	TYR	CG-CD1	12.03	1.64	1.39
2	5B	46	TYR	CG-CD1	12.03	1.64	1.39
2	6B	46	TYR	CG-CD1	12.03	1.64	1.39
1	1I	145	LEU	CG-CD1	12.03	1.92	1.52
2	13	46	TYR	CG-CD1	12.03	1.64	1.39
2	17	46	TYR	CG-CD1	12.03	1.64	1.39
2	2B	46	TYR	CG-CD1	12.03	1.64	1.39
1	2E	145	LEU	CG-CD1	12.03	1.92	1.52
1	2M	147	ARG	C-O	-12.03	1.10	1.23
1	22	147	ARG	C-O	-12.03	1.10	1.23
2	53	46	TYR	CG-CD1	12.03	1.64	1.39
1	26	145	LEU	CG-CD1	12.03	1.92	1.52
1	3E	145	LEU	CG-CD1	12.03	1.92	1.52
1	3M	147	ARG	C-O	-12.03	1.10	1.23
2	3R	46	TYR	CG-CD1	12.03	1.64	1.39
2	3V	46	TYR	CG-CD1	12.03	1.64	1.39
2	3Z	46	TYR	CG-CD1	12.03	1.64	1.39
1	36	147	ARG	C-O	-12.03	1.10	1.23
1	4A	145	LEU	CG-CD1	12.03	1.92	1.52
1	4I	147	ARG	C-O	-12.03	1.10	1.23
1	4M	145	LEU	CG-CD1	12.03	1.92	1.52
1	4Q	147	ARG	C-O	-12.03	1.10	1.23
2	43	46	TYR	CG-CD1	12.03	1.64	1.39
2	47	46	TYR	CG-CD1	12.03	1.64	1.39
2	57	46	TYR	CG-CD1	12.03	1.64	1.39
1	4U	145	LEU	CG-CD1	12.03	1.92	1.52
2	5F	46	TYR	CG-CD1	12.03	1.64	1.39
2	5J	46	TYR	CG-CD1	12.03	1.64	1.39
2	5N	46	TYR	CG-CD1	12.03	1.64	1.39
1	5Q	145	LEU	CG-CD1	12.03	1.92	1.52
1	5Y	147	ARG	C-O	-12.03	1.10	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	147	ARG	C-O	-12.03	1.10	1.23
1	6I	145	LEU	CG-CD1	12.03	1.92	1.52
1	6Q	145	LEU	CG-CD1	12.03	1.92	1.52
1	6Y	147	ARG	C-O	-12.03	1.10	1.23
2	63	46	TYR	CG-CD1	12.03	1.64	1.39
2	67	46	TYR	CG-CD1	12.03	1.64	1.39
2	7B	46	TYR	CG-CD1	12.03	1.64	1.39
1	7I	147	ARG	C-O	-12.03	1.10	1.23
1	7M	145	LEU	CG-CD1	12.03	1.92	1.52
1	7U	147	ARG	C-O	-12.03	1.10	1.23
2	1N	108	HIS	CE1-NE2	12.03	1.44	1.32
2	2J	108	HIS	CE1-NE2	12.03	1.44	1.32
2	3B	108	HIS	CE1-NE2	12.03	1.44	1.32
2	3J	108	HIS	CE1-NE2	12.03	1.44	1.32
2	33	108	HIS	CE1-NE2	12.03	1.44	1.32
2	4F	108	HIS	CE1-NE2	12.03	1.44	1.32
2	4Z	108	HIS	CE1-NE2	12.03	1.44	1.32
2	5V	108	HIS	CE1-NE2	12.03	1.44	1.32
2	6N	108	HIS	CE1-NE2	12.03	1.44	1.32
2	6V	108	HIS	CE1-NE2	12.03	1.44	1.32
2	7F	108	HIS	CE1-NE2	12.03	1.44	1.32
2	7R	108	HIS	CE1-NE2	12.03	1.44	1.32
2	1B	216	ASN	CA-C	-12.02	1.35	1.53
2	1J	216	ASN	CA-C	-12.02	1.35	1.53
2	2F	216	ASN	CA-C	-12.02	1.35	1.53
2	27	216	ASN	CA-C	-12.02	1.35	1.53
2	3F	216	ASN	CA-C	-12.02	1.35	1.53
2	4B	216	ASN	CA-C	-12.02	1.35	1.53
2	4N	216	ASN	CA-C	-12.02	1.35	1.53
2	4V	216	ASN	CA-C	-12.02	1.35	1.53
2	5R	216	ASN	CA-C	-12.02	1.35	1.53
2	6J	216	ASN	CA-C	-12.02	1.35	1.53
2	6R	216	ASN	CA-C	-12.02	1.35	1.53
2	7N	216	ASN	CA-C	-12.02	1.35	1.53
2	1B	108	HIS	CE1-NE2	12.02	1.44	1.32
1	1E	145	LEU	CG-CD1	12.02	1.92	1.52
2	1J	108	HIS	CE1-NE2	12.02	1.44	1.32
2	2F	108	HIS	CE1-NE2	12.02	1.44	1.32
1	2M	145	LEU	CG-CD1	12.02	1.92	1.52
1	22	145	LEU	CG-CD1	12.02	1.92	1.52
2	27	108	HIS	CE1-NE2	12.02	1.44	1.32
2	3F	108	HIS	CE1-NE2	12.02	1.44	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3M	145	LEU	CG-CD1	12.02	1.92	1.52
1	36	145	LEU	CG-CD1	12.02	1.92	1.52
2	4B	108	HIS	CE1-NE2	12.02	1.44	1.32
1	4I	145	LEU	CG-CD1	12.02	1.92	1.52
2	4N	108	HIS	CE1-NE2	12.02	1.44	1.32
1	4Q	145	LEU	CG-CD1	12.02	1.92	1.52
2	4V	108	HIS	CE1-NE2	12.02	1.44	1.32
2	5R	108	HIS	CE1-NE2	12.02	1.44	1.32
1	5Y	145	LEU	CG-CD1	12.02	1.92	1.52
1	6E	145	LEU	CG-CD1	12.02	1.92	1.52
2	6J	108	HIS	CE1-NE2	12.02	1.44	1.32
2	6R	108	HIS	CE1-NE2	12.02	1.44	1.32
1	6Y	145	LEU	CG-CD1	12.02	1.92	1.52
1	7I	145	LEU	CG-CD1	12.02	1.92	1.52
2	7N	108	HIS	CE1-NE2	12.02	1.44	1.32
1	7U	145	LEU	CG-CD1	12.02	1.92	1.52
2	1B	228	ASP	CA-CB	12.02	1.73	1.53
2	1J	228	ASP	CA-CB	12.02	1.73	1.53
1	1Q	145	LEU	CG-CD1	12.02	1.92	1.52
1	1U	145	LEU	CG-CD1	12.02	1.92	1.52
1	1Y	145	LEU	CG-CD1	12.02	1.92	1.52
2	2F	228	ASP	CA-CB	12.02	1.73	1.53
1	2Q	145	LEU	CG-CD1	12.02	1.92	1.52
1	2U	145	LEU	CG-CD1	12.02	1.92	1.52
1	2Y	145	LEU	CG-CD1	12.02	1.92	1.52
2	27	228	ASP	CA-CB	12.02	1.73	1.53
2	3F	228	ASP	CA-CB	12.02	1.73	1.53
2	4B	228	ASP	CA-CB	12.02	1.73	1.53
2	4N	228	ASP	CA-CB	12.02	1.73	1.53
2	4V	228	ASP	CA-CB	12.02	1.73	1.53
1	42	145	LEU	CG-CD1	12.02	1.92	1.52
1	46	145	LEU	CG-CD1	12.02	1.92	1.52
1	5A	145	LEU	CG-CD1	12.02	1.92	1.52
2	5R	228	ASP	CA-CB	12.02	1.73	1.53
1	52	145	LEU	CG-CD1	12.02	1.92	1.52
1	56	145	LEU	CG-CD1	12.02	1.92	1.52
1	6A	145	LEU	CG-CD1	12.02	1.92	1.52
2	6J	228	ASP	CA-CB	12.02	1.73	1.53
2	6R	228	ASP	CA-CB	12.02	1.73	1.53
2	7N	228	ASP	CA-CB	12.02	1.73	1.53
2	1F	6	LYS	C-N	12.01	1.50	1.33
2	2N	6	LYS	C-N	12.01	1.50	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	6	LYS	C-N	12.01	1.50	1.33
2	3N	6	LYS	C-N	12.01	1.50	1.33
2	37	6	LYS	C-N	12.01	1.50	1.33
2	4J	6	LYS	C-N	12.01	1.50	1.33
2	4R	6	LYS	C-N	12.01	1.50	1.33
2	5Z	6	LYS	C-N	12.01	1.50	1.33
2	6F	6	LYS	C-N	12.01	1.50	1.33
2	6Z	6	LYS	C-N	12.01	1.50	1.33
2	7J	6	LYS	C-N	12.01	1.50	1.33
2	7V	6	LYS	C-N	12.01	1.50	1.33
2	1B	6	LYS	C-N	12.01	1.50	1.33
2	1J	6	LYS	C-N	12.01	1.50	1.33
1	12	180	VAL	C-N	12.01	1.50	1.33
1	16	180	VAL	C-N	12.01	1.50	1.33
1	2A	180	VAL	C-N	12.01	1.50	1.33
2	2F	6	LYS	C-N	12.01	1.50	1.33
2	27	6	LYS	C-N	12.01	1.50	1.33
2	3F	6	LYS	C-N	12.01	1.50	1.33
1	3Q	180	VAL	C-N	12.01	1.50	1.33
1	3U	180	VAL	C-N	12.01	1.50	1.33
1	3Y	180	VAL	C-N	12.01	1.50	1.33
2	4B	6	LYS	C-N	12.01	1.50	1.33
2	4N	6	LYS	C-N	12.01	1.50	1.33
2	4V	6	LYS	C-N	12.01	1.50	1.33
1	5E	180	VAL	C-N	12.01	1.50	1.33
1	5I	180	VAL	C-N	12.01	1.50	1.33
1	5M	180	VAL	C-N	12.01	1.50	1.33
2	5R	6	LYS	C-N	12.01	1.50	1.33
2	6J	6	LYS	C-N	12.01	1.50	1.33
2	6R	6	LYS	C-N	12.01	1.50	1.33
1	62	180	VAL	C-N	12.01	1.50	1.33
1	66	180	VAL	C-N	12.01	1.50	1.33
1	7A	180	VAL	C-N	12.01	1.50	1.33
2	7N	6	LYS	C-N	12.01	1.50	1.33
1	1M	180	VAL	C-N	12.00	1.50	1.33
1	2I	180	VAL	C-N	12.00	1.50	1.33
1	3A	180	VAL	C-N	12.00	1.50	1.33
1	3I	180	VAL	C-N	12.00	1.50	1.33
1	32	180	VAL	C-N	12.00	1.50	1.33
1	4E	180	VAL	C-N	12.00	1.50	1.33
1	4Y	180	VAL	C-N	12.00	1.50	1.33
1	5U	180	VAL	C-N	12.00	1.50	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	180	VAL	C-N	12.00	1.50	1.33
1	6U	180	VAL	C-N	12.00	1.50	1.33
1	7E	180	VAL	C-N	12.00	1.50	1.33
1	7Q	180	VAL	C-N	12.00	1.50	1.33
1	12	149	THR	CB-OG1	12.00	1.62	1.43
2	13	6	LYS	C-N	12.00	1.50	1.33
1	16	149	THR	CB-OG1	12.00	1.62	1.43
2	17	6	LYS	C-N	12.00	1.50	1.33
1	2A	149	THR	CB-OG1	12.00	1.62	1.43
2	2B	6	LYS	C-N	12.00	1.50	1.33
1	3Q	149	THR	CB-OG1	12.00	1.62	1.43
2	3R	6	LYS	C-N	12.00	1.50	1.33
1	3U	149	THR	CB-OG1	12.00	1.62	1.43
2	3V	6	LYS	C-N	12.00	1.50	1.33
1	3Y	149	THR	CB-OG1	12.00	1.62	1.43
2	3Z	6	LYS	C-N	12.00	1.50	1.33
1	5E	149	THR	CB-OG1	12.00	1.62	1.43
2	5F	6	LYS	C-N	12.00	1.50	1.33
1	5I	149	THR	CB-OG1	12.00	1.62	1.43
2	5J	6	LYS	C-N	12.00	1.50	1.33
1	5M	149	THR	CB-OG1	12.00	1.62	1.43
2	5N	6	LYS	C-N	12.00	1.50	1.33
1	62	149	THR	CB-OG1	12.00	1.62	1.43
2	63	6	LYS	C-N	12.00	1.50	1.33
1	66	149	THR	CB-OG1	12.00	1.62	1.43
2	67	6	LYS	C-N	12.00	1.50	1.33
1	7A	149	THR	CB-OG1	12.00	1.62	1.43
2	7B	6	LYS	C-N	12.00	1.50	1.33
1	1M	149	THR	CB-OG1	11.99	1.62	1.43
1	2I	149	THR	CB-OG1	11.99	1.62	1.43
1	3A	149	THR	CB-OG1	11.99	1.62	1.43
1	3I	149	THR	CB-OG1	11.99	1.62	1.43
1	32	149	THR	CB-OG1	11.99	1.62	1.43
1	4E	149	THR	CB-OG1	11.99	1.62	1.43
1	4Y	149	THR	CB-OG1	11.99	1.62	1.43
1	5U	149	THR	CB-OG1	11.99	1.62	1.43
1	6M	149	THR	CB-OG1	11.99	1.62	1.43
1	6U	149	THR	CB-OG1	11.99	1.62	1.43
1	7E	149	THR	CB-OG1	11.99	1.62	1.43
1	7Q	149	THR	CB-OG1	11.99	1.62	1.43
1	1M	14	ASP	C-N	11.99	1.52	1.33
2	1N	60	ARG	CD-NE	11.99	1.63	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Q	36	THR	C-N	-11.99	1.19	1.33
1	1U	36	THR	C-N	-11.99	1.19	1.33
1	1Y	36	THR	C-N	-11.99	1.19	1.33
1	2I	14	ASP	C-N	11.99	1.52	1.33
2	2J	60	ARG	CD-NE	11.99	1.63	1.46
1	2Q	36	THR	C-N	-11.99	1.19	1.33
1	2U	36	THR	C-N	-11.99	1.19	1.33
1	2Y	36	THR	C-N	-11.99	1.19	1.33
1	3A	14	ASP	C-N	11.99	1.52	1.33
2	3B	60	ARG	CD-NE	11.99	1.63	1.46
1	3I	14	ASP	C-N	11.99	1.52	1.33
2	3J	60	ARG	CD-NE	11.99	1.63	1.46
1	32	14	ASP	C-N	11.99	1.52	1.33
2	33	60	ARG	CD-NE	11.99	1.63	1.46
1	4E	14	ASP	C-N	11.99	1.52	1.33
2	4F	60	ARG	CD-NE	11.99	1.63	1.46
1	4Y	14	ASP	C-N	11.99	1.52	1.33
2	4Z	60	ARG	CD-NE	11.99	1.63	1.46
1	42	36	THR	C-N	-11.99	1.19	1.33
1	46	36	THR	C-N	-11.99	1.19	1.33
1	5A	36	THR	C-N	-11.99	1.19	1.33
1	5U	14	ASP	C-N	11.99	1.52	1.33
2	5V	60	ARG	CD-NE	11.99	1.63	1.46
1	52	36	THR	C-N	-11.99	1.19	1.33
1	56	36	THR	C-N	-11.99	1.19	1.33
1	6A	36	THR	C-N	-11.99	1.19	1.33
1	6M	14	ASP	C-N	11.99	1.52	1.33
2	6N	60	ARG	CD-NE	11.99	1.63	1.46
1	6U	14	ASP	C-N	11.99	1.52	1.33
2	6V	60	ARG	CD-NE	11.99	1.63	1.46
1	7E	14	ASP	C-N	11.99	1.52	1.33
2	7F	60	ARG	CD-NE	11.99	1.63	1.46
1	7Q	14	ASP	C-N	11.99	1.52	1.33
2	7R	60	ARG	CD-NE	11.99	1.63	1.46
1	12	30	PHE	CE1-CZ	11.99	1.74	1.38
1	16	30	PHE	CE1-CZ	11.99	1.74	1.38
1	2A	30	PHE	CE1-CZ	11.99	1.74	1.38
1	3Q	30	PHE	CE1-CZ	11.99	1.74	1.38
1	3U	30	PHE	CE1-CZ	11.99	1.74	1.38
1	3Y	30	PHE	CE1-CZ	11.99	1.74	1.38
1	5E	30	PHE	CE1-CZ	11.99	1.74	1.38
1	5I	30	PHE	CE1-CZ	11.99	1.74	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	30	PHE	CE1-CZ	11.99	1.74	1.38
1	62	30	PHE	CE1-CZ	11.99	1.74	1.38
1	66	30	PHE	CE1-CZ	11.99	1.74	1.38
1	7A	30	PHE	CE1-CZ	11.99	1.74	1.38
1	1A	30	PHE	CE1-CZ	11.99	1.74	1.38
1	1I	30	PHE	CE1-CZ	11.99	1.74	1.38
1	2E	30	PHE	CE1-CZ	11.99	1.74	1.38
1	26	30	PHE	CE1-CZ	11.99	1.74	1.38
1	3E	30	PHE	CE1-CZ	11.99	1.74	1.38
1	4A	30	PHE	CE1-CZ	11.99	1.74	1.38
1	4M	30	PHE	CE1-CZ	11.99	1.74	1.38
1	4U	30	PHE	CE1-CZ	11.99	1.74	1.38
1	5Q	30	PHE	CE1-CZ	11.99	1.74	1.38
1	6I	30	PHE	CE1-CZ	11.99	1.74	1.38
1	6Q	30	PHE	CE1-CZ	11.99	1.74	1.38
1	7M	30	PHE	CE1-CZ	11.99	1.74	1.38
1	1M	30	PHE	CE1-CZ	11.98	1.74	1.38
2	1N	228	ASP	CA-CB	11.98	1.73	1.53
1	2I	30	PHE	CE1-CZ	11.98	1.74	1.38
2	2J	228	ASP	CA-CB	11.98	1.73	1.53
1	3A	30	PHE	CE1-CZ	11.98	1.74	1.38
2	3B	228	ASP	CA-CB	11.98	1.73	1.53
1	3I	30	PHE	CE1-CZ	11.98	1.74	1.38
2	3J	228	ASP	CA-CB	11.98	1.73	1.53
1	32	30	PHE	CE1-CZ	11.98	1.74	1.38
2	33	228	ASP	CA-CB	11.98	1.73	1.53
1	4E	30	PHE	CE1-CZ	11.98	1.74	1.38
2	4F	228	ASP	CA-CB	11.98	1.73	1.53
1	4Y	30	PHE	CE1-CZ	11.98	1.74	1.38
2	4Z	228	ASP	CA-CB	11.98	1.73	1.53
1	5U	30	PHE	CE1-CZ	11.98	1.74	1.38
2	5V	228	ASP	CA-CB	11.98	1.73	1.53
1	6M	30	PHE	CE1-CZ	11.98	1.74	1.38
2	6N	228	ASP	CA-CB	11.98	1.73	1.53
1	6U	30	PHE	CE1-CZ	11.98	1.74	1.38
2	6V	228	ASP	CA-CB	11.98	1.73	1.53
1	7E	30	PHE	CE1-CZ	11.98	1.74	1.38
2	7F	228	ASP	CA-CB	11.98	1.73	1.53
1	7Q	30	PHE	CE1-CZ	11.98	1.74	1.38
2	7R	228	ASP	CA-CB	11.98	1.73	1.53
2	13	228	ASP	CA-CB	11.98	1.73	1.53
2	17	228	ASP	CA-CB	11.98	1.73	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	228	ASP	CA-CB	11.98	1.73	1.53
2	3R	228	ASP	CA-CB	11.98	1.73	1.53
2	3V	228	ASP	CA-CB	11.98	1.73	1.53
2	3Z	228	ASP	CA-CB	11.98	1.73	1.53
2	5F	228	ASP	CA-CB	11.98	1.73	1.53
2	5J	228	ASP	CA-CB	11.98	1.73	1.53
2	5N	228	ASP	CA-CB	11.98	1.73	1.53
2	63	228	ASP	CA-CB	11.98	1.73	1.53
2	67	228	ASP	CA-CB	11.98	1.73	1.53
2	7B	228	ASP	CA-CB	11.98	1.73	1.53
1	1A	14	ASP	C-N	11.97	1.52	1.33
1	1E	14	ASP	C-N	11.97	1.52	1.33
1	1I	14	ASP	C-N	11.97	1.52	1.33
1	1Q	30	PHE	CE1-CZ	11.97	1.74	1.38
1	1U	30	PHE	CE1-CZ	11.97	1.74	1.38
1	1Y	30	PHE	CE1-CZ	11.97	1.74	1.38
1	2E	14	ASP	C-N	11.97	1.52	1.33
1	2M	14	ASP	C-N	11.97	1.52	1.33
1	2Q	30	PHE	CE1-CZ	11.97	1.74	1.38
1	2U	30	PHE	CE1-CZ	11.97	1.74	1.38
1	2Y	30	PHE	CE1-CZ	11.97	1.74	1.38
1	22	14	ASP	C-N	11.97	1.52	1.33
1	26	14	ASP	C-N	11.97	1.52	1.33
1	3E	14	ASP	C-N	11.97	1.52	1.33
1	3M	14	ASP	C-N	11.97	1.52	1.33
1	36	14	ASP	C-N	11.97	1.52	1.33
1	4A	14	ASP	C-N	11.97	1.52	1.33
1	4I	14	ASP	C-N	11.97	1.52	1.33
1	4M	14	ASP	C-N	11.97	1.52	1.33
1	4Q	14	ASP	C-N	11.97	1.52	1.33
1	4U	14	ASP	C-N	11.97	1.52	1.33
1	42	30	PHE	CE1-CZ	11.97	1.74	1.38
1	46	30	PHE	CE1-CZ	11.97	1.74	1.38
1	5A	30	PHE	CE1-CZ	11.97	1.74	1.38
1	5Q	14	ASP	C-N	11.97	1.52	1.33
1	5Y	14	ASP	C-N	11.97	1.52	1.33
1	52	30	PHE	CE1-CZ	11.97	1.74	1.38
1	56	30	PHE	CE1-CZ	11.97	1.74	1.38
1	6A	30	PHE	CE1-CZ	11.97	1.74	1.38
1	6E	14	ASP	C-N	11.97	1.52	1.33
1	6I	14	ASP	C-N	11.97	1.52	1.33
1	6Q	14	ASP	C-N	11.97	1.52	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6Y	14	ASP	C-N	11.97	1.52	1.33
1	7I	14	ASP	C-N	11.97	1.52	1.33
1	7M	14	ASP	C-N	11.97	1.52	1.33
1	7U	14	ASP	C-N	11.97	1.52	1.33
1	1E	30	PHE	CE1-CZ	11.96	1.74	1.38
1	2M	30	PHE	CE1-CZ	11.96	1.74	1.38
1	22	30	PHE	CE1-CZ	11.96	1.74	1.38
1	3M	30	PHE	CE1-CZ	11.96	1.74	1.38
1	36	30	PHE	CE1-CZ	11.96	1.74	1.38
1	4I	30	PHE	CE1-CZ	11.96	1.74	1.38
1	4Q	30	PHE	CE1-CZ	11.96	1.74	1.38
1	5Y	30	PHE	CE1-CZ	11.96	1.74	1.38
1	6E	30	PHE	CE1-CZ	11.96	1.74	1.38
1	6Y	30	PHE	CE1-CZ	11.96	1.74	1.38
1	7I	30	PHE	CE1-CZ	11.96	1.74	1.38
1	7U	30	PHE	CE1-CZ	11.96	1.74	1.38
1	12	14	ASP	C-N	11.96	1.52	1.33
1	16	14	ASP	C-N	11.96	1.52	1.33
1	2A	14	ASP	C-N	11.96	1.52	1.33
1	3Q	14	ASP	C-N	11.96	1.52	1.33
1	3U	14	ASP	C-N	11.96	1.52	1.33
1	3Y	14	ASP	C-N	11.96	1.52	1.33
1	5E	14	ASP	C-N	11.96	1.52	1.33
1	5I	14	ASP	C-N	11.96	1.52	1.33
1	5M	14	ASP	C-N	11.96	1.52	1.33
1	62	14	ASP	C-N	11.96	1.52	1.33
1	66	14	ASP	C-N	11.96	1.52	1.33
1	7A	14	ASP	C-N	11.96	1.52	1.33
1	1A	149	THR	CB-OG1	11.96	1.62	1.43
1	1I	149	THR	CB-OG1	11.96	1.62	1.43
1	2E	149	THR	CB-OG1	11.96	1.62	1.43
1	26	149	THR	CB-OG1	11.96	1.62	1.43
1	3E	149	THR	CB-OG1	11.96	1.62	1.43
1	4A	149	THR	CB-OG1	11.96	1.62	1.43
1	4M	149	THR	CB-OG1	11.96	1.62	1.43
1	4U	149	THR	CB-OG1	11.96	1.62	1.43
1	5Q	149	THR	CB-OG1	11.96	1.62	1.43
1	6I	149	THR	CB-OG1	11.96	1.62	1.43
1	6Q	149	THR	CB-OG1	11.96	1.62	1.43
1	7M	149	THR	CB-OG1	11.96	1.62	1.43
2	1R	108	HIS	CE1-NE2	11.96	1.44	1.32
2	1V	108	HIS	CE1-NE2	11.96	1.44	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	108	HIS	CE1-NE2	11.96	1.44	1.32
2	2R	108	HIS	CE1-NE2	11.96	1.44	1.32
2	2V	108	HIS	CE1-NE2	11.96	1.44	1.32
2	2Z	108	HIS	CE1-NE2	11.96	1.44	1.32
2	43	108	HIS	CE1-NE2	11.96	1.44	1.32
2	47	108	HIS	CE1-NE2	11.96	1.44	1.32
2	5B	108	HIS	CE1-NE2	11.96	1.44	1.32
2	53	108	HIS	CE1-NE2	11.96	1.44	1.32
2	57	108	HIS	CE1-NE2	11.96	1.44	1.32
2	6B	108	HIS	CE1-NE2	11.96	1.44	1.32
1	12	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	16	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	2A	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	3Q	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	3U	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	3Y	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	5E	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	5I	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	5M	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	62	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	66	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	7A	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	1A	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	1I	171	ARG	CZ-NH2	-11.95	1.18	1.33
2	1R	60	ARG	CD-NE	11.95	1.62	1.46
2	1V	60	ARG	CD-NE	11.95	1.62	1.46
2	1Z	60	ARG	CD-NE	11.95	1.62	1.46
1	2E	171	ARG	CZ-NH2	-11.95	1.18	1.33
2	2R	60	ARG	CD-NE	11.95	1.62	1.46
2	2V	60	ARG	CD-NE	11.95	1.62	1.46
2	2Z	60	ARG	CD-NE	11.95	1.62	1.46
1	26	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	3E	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	4A	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	4M	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	4U	171	ARG	CZ-NH2	-11.95	1.18	1.33
2	43	60	ARG	CD-NE	11.95	1.62	1.46
2	47	60	ARG	CD-NE	11.95	1.62	1.46
2	5B	60	ARG	CD-NE	11.95	1.62	1.46
1	5Q	171	ARG	CZ-NH2	-11.95	1.18	1.33
2	53	60	ARG	CD-NE	11.95	1.62	1.46
2	57	60	ARG	CD-NE	11.95	1.62	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	60	ARG	CD-NE	11.95	1.62	1.46
1	6I	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	6Q	171	ARG	CZ-NH2	-11.95	1.18	1.33
1	7M	171	ARG	CZ-NH2	-11.95	1.18	1.33
2	1B	60	ARG	CD-NE	11.94	1.62	1.46
2	1J	60	ARG	CD-NE	11.94	1.62	1.46
2	1R	34	ASP	N-CA	11.94	1.61	1.46
2	1V	34	ASP	N-CA	11.94	1.61	1.46
2	1Z	34	ASP	N-CA	11.94	1.61	1.46
1	12	36	THR	C-N	-11.94	1.19	1.33
1	16	36	THR	C-N	-11.94	1.19	1.33
1	2A	36	THR	C-N	-11.94	1.19	1.33
2	2F	60	ARG	CD-NE	11.94	1.62	1.46
2	2R	34	ASP	N-CA	11.94	1.61	1.46
2	2V	34	ASP	N-CA	11.94	1.61	1.46
2	2Z	34	ASP	N-CA	11.94	1.61	1.46
2	27	60	ARG	CD-NE	11.94	1.62	1.46
2	3F	60	ARG	CD-NE	11.94	1.62	1.46
1	3Q	36	THR	C-N	-11.94	1.19	1.33
1	3U	36	THR	C-N	-11.94	1.19	1.33
1	3Y	36	THR	C-N	-11.94	1.19	1.33
2	4B	60	ARG	CD-NE	11.94	1.62	1.46
2	4N	60	ARG	CD-NE	11.94	1.62	1.46
2	4V	60	ARG	CD-NE	11.94	1.62	1.46
2	43	34	ASP	N-CA	11.94	1.61	1.46
2	47	34	ASP	N-CA	11.94	1.61	1.46
2	5B	34	ASP	N-CA	11.94	1.61	1.46
1	5E	36	THR	C-N	-11.94	1.19	1.33
1	5I	36	THR	C-N	-11.94	1.19	1.33
1	5M	36	THR	C-N	-11.94	1.19	1.33
2	5R	60	ARG	CD-NE	11.94	1.62	1.46
2	53	34	ASP	N-CA	11.94	1.61	1.46
2	57	34	ASP	N-CA	11.94	1.61	1.46
2	6B	34	ASP	N-CA	11.94	1.61	1.46
2	6J	60	ARG	CD-NE	11.94	1.62	1.46
2	6R	60	ARG	CD-NE	11.94	1.62	1.46
1	62	36	THR	C-N	-11.94	1.19	1.33
1	66	36	THR	C-N	-11.94	1.19	1.33
1	7A	36	THR	C-N	-11.94	1.19	1.33
2	7N	60	ARG	CD-NE	11.94	1.62	1.46
2	13	60	ARG	CD-NE	11.94	1.62	1.46
2	17	60	ARG	CD-NE	11.94	1.62	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	60	ARG	CD-NE	11.94	1.62	1.46
2	3R	60	ARG	CD-NE	11.94	1.62	1.46
2	3V	60	ARG	CD-NE	11.94	1.62	1.46
2	3Z	60	ARG	CD-NE	11.94	1.62	1.46
2	5F	60	ARG	CD-NE	11.94	1.62	1.46
2	5J	60	ARG	CD-NE	11.94	1.62	1.46
2	5N	60	ARG	CD-NE	11.94	1.62	1.46
2	63	60	ARG	CD-NE	11.94	1.62	1.46
2	67	60	ARG	CD-NE	11.94	1.62	1.46
2	7B	60	ARG	CD-NE	11.94	1.62	1.46
1	1Q	14	ASP	C-N	11.94	1.52	1.33
1	1U	14	ASP	C-N	11.94	1.52	1.33
1	1Y	14	ASP	C-N	11.94	1.52	1.33
1	2Q	14	ASP	C-N	11.94	1.52	1.33
1	2U	14	ASP	C-N	11.94	1.52	1.33
1	2Y	14	ASP	C-N	11.94	1.52	1.33
1	42	14	ASP	C-N	11.94	1.52	1.33
1	46	14	ASP	C-N	11.94	1.52	1.33
1	5A	14	ASP	C-N	11.94	1.52	1.33
1	52	14	ASP	C-N	11.94	1.52	1.33
1	56	14	ASP	C-N	11.94	1.52	1.33
1	6A	14	ASP	C-N	11.94	1.52	1.33
1	1E	171	ARG	CZ-NH2	-11.94	1.18	1.33
1	1Q	149	THR	CB-OG1	11.94	1.62	1.43
1	1U	149	THR	CB-OG1	11.94	1.62	1.43
1	1Y	149	THR	CB-OG1	11.94	1.62	1.43
1	2M	171	ARG	CZ-NH2	-11.94	1.18	1.33
1	2Q	149	THR	CB-OG1	11.94	1.62	1.43
1	2U	149	THR	CB-OG1	11.94	1.62	1.43
1	2Y	149	THR	CB-OG1	11.94	1.62	1.43
1	22	171	ARG	CZ-NH2	-11.94	1.18	1.33
1	3M	171	ARG	CZ-NH2	-11.94	1.18	1.33
1	36	171	ARG	CZ-NH2	-11.94	1.18	1.33
1	4I	171	ARG	CZ-NH2	-11.94	1.18	1.33
1	4Q	171	ARG	CZ-NH2	-11.94	1.18	1.33
1	42	149	THR	CB-OG1	11.94	1.62	1.43
1	46	149	THR	CB-OG1	11.94	1.62	1.43
1	5A	149	THR	CB-OG1	11.94	1.62	1.43
1	5Y	171	ARG	CZ-NH2	-11.94	1.18	1.33
1	52	149	THR	CB-OG1	11.94	1.62	1.43
1	56	149	THR	CB-OG1	11.94	1.62	1.43
1	6A	149	THR	CB-OG1	11.94	1.62	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	171	ARG	CZ-NH2	-11.94	1.18	1.33
1	6Y	171	ARG	CZ-NH2	-11.94	1.18	1.33
1	7I	171	ARG	CZ-NH2	-11.94	1.18	1.33
1	7U	171	ARG	CZ-NH2	-11.94	1.18	1.33
1	1A	36	THR	C-N	-11.93	1.19	1.33
1	1I	36	THR	C-N	-11.93	1.19	1.33
1	2E	36	THR	C-N	-11.93	1.19	1.33
1	26	36	THR	C-N	-11.93	1.19	1.33
1	3E	36	THR	C-N	-11.93	1.19	1.33
1	4A	36	THR	C-N	-11.93	1.19	1.33
1	4M	36	THR	C-N	-11.93	1.19	1.33
1	4U	36	THR	C-N	-11.93	1.19	1.33
1	5Q	36	THR	C-N	-11.93	1.19	1.33
1	6I	36	THR	C-N	-11.93	1.19	1.33
1	6Q	36	THR	C-N	-11.93	1.19	1.33
1	7M	36	THR	C-N	-11.93	1.19	1.33
2	1B	21	THR	C-O	11.93	1.39	1.23
2	1J	21	THR	C-O	11.93	1.39	1.23
2	2F	21	THR	C-O	11.93	1.39	1.23
2	27	21	THR	C-O	11.93	1.39	1.23
2	3F	21	THR	C-O	11.93	1.39	1.23
2	4B	21	THR	C-O	11.93	1.39	1.23
2	4N	21	THR	C-O	11.93	1.39	1.23
2	4V	21	THR	C-O	11.93	1.39	1.23
2	5R	21	THR	C-O	11.93	1.39	1.23
2	6J	21	THR	C-O	11.93	1.39	1.23
2	6R	21	THR	C-O	11.93	1.39	1.23
2	7N	21	THR	C-O	11.93	1.39	1.23
1	1Q	171	ARG	CZ-NH2	-11.93	1.18	1.33
1	1U	171	ARG	CZ-NH2	-11.93	1.18	1.33
1	1Y	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	13	21	THR	C-O	11.93	1.39	1.23
2	17	21	THR	C-O	11.93	1.39	1.23
2	2B	21	THR	C-O	11.93	1.39	1.23
1	2Q	171	ARG	CZ-NH2	-11.93	1.18	1.33
1	2U	171	ARG	CZ-NH2	-11.93	1.18	1.33
1	2Y	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	3R	21	THR	C-O	11.93	1.39	1.23
2	3V	21	THR	C-O	11.93	1.39	1.23
2	3Z	21	THR	C-O	11.93	1.39	1.23
1	42	171	ARG	CZ-NH2	-11.93	1.18	1.33
1	46	171	ARG	CZ-NH2	-11.93	1.18	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	5F	21	THR	C-O	11.93	1.39	1.23
2	5J	21	THR	C-O	11.93	1.39	1.23
2	5N	21	THR	C-O	11.93	1.39	1.23
1	52	171	ARG	CZ-NH2	-11.93	1.18	1.33
1	56	171	ARG	CZ-NH2	-11.93	1.18	1.33
1	6A	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	63	21	THR	C-O	11.93	1.39	1.23
2	67	21	THR	C-O	11.93	1.39	1.23
2	7B	21	THR	C-O	11.93	1.39	1.23
2	1F	74	TYR	CB-CG	11.93	1.77	1.51
1	1M	36	THR	C-N	-11.93	1.19	1.33
1	1M	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	1N	21	THR	C-O	11.93	1.39	1.23
1	2I	36	THR	C-N	-11.93	1.19	1.33
1	2I	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	2J	21	THR	C-O	11.93	1.39	1.23
2	2N	74	TYR	CB-CG	11.93	1.77	1.51
2	23	74	TYR	CB-CG	11.93	1.77	1.51
1	3A	36	THR	C-N	-11.93	1.19	1.33
1	3A	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	3B	21	THR	C-O	11.93	1.39	1.23
1	3I	36	THR	C-N	-11.93	1.19	1.33
1	3I	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	3J	21	THR	C-O	11.93	1.39	1.23
2	3N	74	TYR	CB-CG	11.93	1.77	1.51
1	32	36	THR	C-N	-11.93	1.19	1.33
1	32	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	33	21	THR	C-O	11.93	1.39	1.23
2	37	74	TYR	CB-CG	11.93	1.77	1.51
1	4E	36	THR	C-N	-11.93	1.19	1.33
1	4E	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	4F	21	THR	C-O	11.93	1.39	1.23
2	4J	74	TYR	CB-CG	11.93	1.77	1.51
2	4R	74	TYR	CB-CG	11.93	1.77	1.51
1	4Y	36	THR	C-N	-11.93	1.19	1.33
1	4Y	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	4Z	21	THR	C-O	11.93	1.39	1.23
1	5U	36	THR	C-N	-11.93	1.19	1.33
1	5U	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	5V	21	THR	C-O	11.93	1.39	1.23
2	5Z	74	TYR	CB-CG	11.93	1.77	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	74	TYR	CB-CG	11.93	1.77	1.51
1	6M	36	THR	C-N	-11.93	1.19	1.33
1	6M	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	6N	21	THR	C-O	11.93	1.39	1.23
1	6U	36	THR	C-N	-11.93	1.19	1.33
1	6U	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	6V	21	THR	C-O	11.93	1.39	1.23
2	6Z	74	TYR	CB-CG	11.93	1.77	1.51
1	7E	36	THR	C-N	-11.93	1.19	1.33
1	7E	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	7F	21	THR	C-O	11.93	1.39	1.23
2	7J	74	TYR	CB-CG	11.93	1.77	1.51
1	7Q	36	THR	C-N	-11.93	1.19	1.33
1	7Q	171	ARG	CZ-NH2	-11.93	1.18	1.33
2	7R	21	THR	C-O	11.93	1.39	1.23
2	7V	74	TYR	CB-CG	11.93	1.77	1.51
1	1E	149	THR	CB-OG1	11.92	1.62	1.43
1	12	28	GLY	C-O	-11.92	1.09	1.23
1	16	28	GLY	C-O	-11.92	1.09	1.23
1	2A	28	GLY	C-O	-11.92	1.09	1.23
1	2M	149	THR	CB-OG1	11.92	1.62	1.43
1	22	149	THR	CB-OG1	11.92	1.62	1.43
1	3M	149	THR	CB-OG1	11.92	1.62	1.43
1	3Q	28	GLY	C-O	-11.92	1.09	1.23
1	3U	28	GLY	C-O	-11.92	1.09	1.23
1	3Y	28	GLY	C-O	-11.92	1.09	1.23
1	36	149	THR	CB-OG1	11.92	1.62	1.43
1	4I	149	THR	CB-OG1	11.92	1.62	1.43
1	4Q	149	THR	CB-OG1	11.92	1.62	1.43
1	5E	28	GLY	C-O	-11.92	1.09	1.23
1	5I	28	GLY	C-O	-11.92	1.09	1.23
1	5M	28	GLY	C-O	-11.92	1.09	1.23
1	5Y	149	THR	CB-OG1	11.92	1.62	1.43
1	6E	149	THR	CB-OG1	11.92	1.62	1.43
1	6Y	149	THR	CB-OG1	11.92	1.62	1.43
1	62	28	GLY	C-O	-11.92	1.09	1.23
1	66	28	GLY	C-O	-11.92	1.09	1.23
1	7A	28	GLY	C-O	-11.92	1.09	1.23
1	7I	149	THR	CB-OG1	11.92	1.62	1.43
1	7U	149	THR	CB-OG1	11.92	1.62	1.43
1	1Q	28	GLY	C-O	-11.92	1.09	1.23
1	1U	28	GLY	C-O	-11.92	1.09	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	28	GLY	C-O	-11.92	1.09	1.23
1	2Q	28	GLY	C-O	-11.92	1.09	1.23
1	2U	28	GLY	C-O	-11.92	1.09	1.23
1	2Y	28	GLY	C-O	-11.92	1.09	1.23
1	42	28	GLY	C-O	-11.92	1.09	1.23
1	46	28	GLY	C-O	-11.92	1.09	1.23
1	5A	28	GLY	C-O	-11.92	1.09	1.23
1	52	28	GLY	C-O	-11.92	1.09	1.23
1	56	28	GLY	C-O	-11.92	1.09	1.23
1	6A	28	GLY	C-O	-11.92	1.09	1.23
2	1B	34	ASP	N-CA	11.91	1.61	1.46
2	1B	74	TYR	CB-CG	11.91	1.77	1.51
2	1F	34	ASP	N-CA	11.91	1.61	1.46
2	1F	60	ARG	CD-NE	11.91	1.62	1.46
2	1J	34	ASP	N-CA	11.91	1.61	1.46
2	1J	74	TYR	CB-CG	11.91	1.77	1.51
2	2F	34	ASP	N-CA	11.91	1.61	1.46
2	2F	74	TYR	CB-CG	11.91	1.77	1.51
2	2N	34	ASP	N-CA	11.91	1.61	1.46
2	2N	60	ARG	CD-NE	11.91	1.62	1.46
2	23	34	ASP	N-CA	11.91	1.61	1.46
2	23	60	ARG	CD-NE	11.91	1.62	1.46
2	27	34	ASP	N-CA	11.91	1.61	1.46
2	27	74	TYR	CB-CG	11.91	1.77	1.51
2	3F	34	ASP	N-CA	11.91	1.61	1.46
2	3F	74	TYR	CB-CG	11.91	1.77	1.51
2	3N	34	ASP	N-CA	11.91	1.61	1.46
2	3N	60	ARG	CD-NE	11.91	1.62	1.46
2	37	34	ASP	N-CA	11.91	1.61	1.46
2	37	60	ARG	CD-NE	11.91	1.62	1.46
2	4B	34	ASP	N-CA	11.91	1.61	1.46
2	4B	74	TYR	CB-CG	11.91	1.77	1.51
2	4J	34	ASP	N-CA	11.91	1.61	1.46
2	4J	60	ARG	CD-NE	11.91	1.62	1.46
2	4N	34	ASP	N-CA	11.91	1.61	1.46
2	4N	74	TYR	CB-CG	11.91	1.77	1.51
2	4R	34	ASP	N-CA	11.91	1.61	1.46
2	4R	60	ARG	CD-NE	11.91	1.62	1.46
2	4V	34	ASP	N-CA	11.91	1.61	1.46
2	4V	74	TYR	CB-CG	11.91	1.77	1.51
2	5R	34	ASP	N-CA	11.91	1.61	1.46
2	5R	74	TYR	CB-CG	11.91	1.77	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5Z	34	ASP	N-CA	11.91	1.61	1.46
2	5Z	60	ARG	CD-NE	11.91	1.62	1.46
2	6F	34	ASP	N-CA	11.91	1.61	1.46
2	6F	60	ARG	CD-NE	11.91	1.62	1.46
2	6J	34	ASP	N-CA	11.91	1.61	1.46
2	6J	74	TYR	CB-CG	11.91	1.77	1.51
2	6R	34	ASP	N-CA	11.91	1.61	1.46
2	6R	74	TYR	CB-CG	11.91	1.77	1.51
2	6Z	34	ASP	N-CA	11.91	1.61	1.46
2	6Z	60	ARG	CD-NE	11.91	1.62	1.46
2	7J	34	ASP	N-CA	11.91	1.61	1.46
2	7J	60	ARG	CD-NE	11.91	1.62	1.46
2	7N	34	ASP	N-CA	11.91	1.61	1.46
2	7N	74	TYR	CB-CG	11.91	1.77	1.51
2	7V	34	ASP	N-CA	11.91	1.61	1.46
2	7V	60	ARG	CD-NE	11.91	1.62	1.46
2	1F	21	THR	C-O	11.90	1.39	1.23
1	1M	28	GLY	C-O	-11.90	1.09	1.23
2	1R	74	TYR	CB-CG	11.90	1.77	1.51
2	1V	74	TYR	CB-CG	11.90	1.77	1.51
2	1Z	74	TYR	CB-CG	11.90	1.77	1.51
2	13	34	ASP	N-CA	11.90	1.61	1.46
2	17	34	ASP	N-CA	11.90	1.61	1.46
2	2B	34	ASP	N-CA	11.90	1.61	1.46
1	2I	28	GLY	C-O	-11.90	1.09	1.23
2	2N	21	THR	C-O	11.90	1.39	1.23
2	2R	74	TYR	CB-CG	11.90	1.77	1.51
2	2V	74	TYR	CB-CG	11.90	1.77	1.51
2	2Z	74	TYR	CB-CG	11.90	1.77	1.51
2	23	21	THR	C-O	11.90	1.39	1.23
1	3A	28	GLY	C-O	-11.90	1.09	1.23
1	3I	28	GLY	C-O	-11.90	1.09	1.23
2	3N	21	THR	C-O	11.90	1.39	1.23
2	3R	34	ASP	N-CA	11.90	1.61	1.46
2	3V	34	ASP	N-CA	11.90	1.61	1.46
2	3Z	34	ASP	N-CA	11.90	1.61	1.46
1	32	28	GLY	C-O	-11.90	1.09	1.23
2	37	21	THR	C-O	11.90	1.39	1.23
1	4E	28	GLY	C-O	-11.90	1.09	1.23
2	4J	21	THR	C-O	11.90	1.39	1.23
2	4R	21	THR	C-O	11.90	1.39	1.23
1	4Y	28	GLY	C-O	-11.90	1.09	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	43	74	TYR	CB-CG	11.90	1.77	1.51
2	47	74	TYR	CB-CG	11.90	1.77	1.51
2	5B	74	TYR	CB-CG	11.90	1.77	1.51
2	5F	34	ASP	N-CA	11.90	1.61	1.46
2	5J	34	ASP	N-CA	11.90	1.61	1.46
2	5N	34	ASP	N-CA	11.90	1.61	1.46
1	5U	28	GLY	C-O	-11.90	1.09	1.23
2	5Z	21	THR	C-O	11.90	1.39	1.23
2	53	74	TYR	CB-CG	11.90	1.77	1.51
2	57	74	TYR	CB-CG	11.90	1.77	1.51
2	6B	74	TYR	CB-CG	11.90	1.77	1.51
2	6F	21	THR	C-O	11.90	1.39	1.23
1	6M	28	GLY	C-O	-11.90	1.09	1.23
1	6U	28	GLY	C-O	-11.90	1.09	1.23
2	6Z	21	THR	C-O	11.90	1.39	1.23
2	63	34	ASP	N-CA	11.90	1.61	1.46
2	67	34	ASP	N-CA	11.90	1.61	1.46
2	7B	34	ASP	N-CA	11.90	1.61	1.46
1	7E	28	GLY	C-O	-11.90	1.09	1.23
2	7J	21	THR	C-O	11.90	1.39	1.23
1	7Q	28	GLY	C-O	-11.90	1.09	1.23
2	7V	21	THR	C-O	11.90	1.39	1.23
2	1R	21	THR	C-O	11.90	1.39	1.23
2	1V	21	THR	C-O	11.90	1.39	1.23
2	1Z	21	THR	C-O	11.90	1.39	1.23
2	13	74	TYR	CB-CG	11.90	1.77	1.51
2	17	74	TYR	CB-CG	11.90	1.77	1.51
2	2B	74	TYR	CB-CG	11.90	1.77	1.51
2	2R	21	THR	C-O	11.90	1.39	1.23
2	2V	21	THR	C-O	11.90	1.39	1.23
2	2Z	21	THR	C-O	11.90	1.39	1.23
2	3R	74	TYR	CB-CG	11.90	1.77	1.51
2	3V	74	TYR	CB-CG	11.90	1.77	1.51
2	3Z	74	TYR	CB-CG	11.90	1.77	1.51
2	43	21	THR	C-O	11.90	1.39	1.23
2	47	21	THR	C-O	11.90	1.39	1.23
2	5B	21	THR	C-O	11.90	1.39	1.23
2	5F	74	TYR	CB-CG	11.90	1.77	1.51
2	5J	74	TYR	CB-CG	11.90	1.77	1.51
2	5N	74	TYR	CB-CG	11.90	1.77	1.51
2	53	21	THR	C-O	11.90	1.39	1.23
2	57	21	THR	C-O	11.90	1.39	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	21	THR	C-O	11.90	1.39	1.23
2	63	74	TYR	CB-CG	11.90	1.77	1.51
2	67	74	TYR	CB-CG	11.90	1.77	1.51
2	7B	74	TYR	CB-CG	11.90	1.77	1.51
1	1E	36	THR	C-N	-11.89	1.19	1.33
1	2M	36	THR	C-N	-11.89	1.19	1.33
1	22	36	THR	C-N	-11.89	1.19	1.33
1	3M	36	THR	C-N	-11.89	1.19	1.33
1	36	36	THR	C-N	-11.89	1.19	1.33
1	4I	36	THR	C-N	-11.89	1.19	1.33
1	4Q	36	THR	C-N	-11.89	1.19	1.33
1	5Y	36	THR	C-N	-11.89	1.19	1.33
1	6E	36	THR	C-N	-11.89	1.19	1.33
1	6Y	36	THR	C-N	-11.89	1.19	1.33
1	7I	36	THR	C-N	-11.89	1.19	1.33
1	7U	36	THR	C-N	-11.89	1.19	1.33
1	1E	28	GLY	C-O	-11.88	1.09	1.23
1	2M	28	GLY	C-O	-11.88	1.09	1.23
1	22	28	GLY	C-O	-11.88	1.09	1.23
1	3M	28	GLY	C-O	-11.88	1.09	1.23
1	36	28	GLY	C-O	-11.88	1.09	1.23
1	4I	28	GLY	C-O	-11.88	1.09	1.23
1	4Q	28	GLY	C-O	-11.88	1.09	1.23
1	5Y	28	GLY	C-O	-11.88	1.09	1.23
1	6E	28	GLY	C-O	-11.88	1.09	1.23
1	6Y	28	GLY	C-O	-11.88	1.09	1.23
1	7I	28	GLY	C-O	-11.88	1.09	1.23
1	7U	28	GLY	C-O	-11.88	1.09	1.23
1	1A	28	GLY	C-O	-11.87	1.09	1.23
1	1I	28	GLY	C-O	-11.87	1.09	1.23
1	2E	28	GLY	C-O	-11.87	1.09	1.23
1	26	28	GLY	C-O	-11.87	1.09	1.23
1	3E	28	GLY	C-O	-11.87	1.09	1.23
1	4A	28	GLY	C-O	-11.87	1.09	1.23
1	4M	28	GLY	C-O	-11.87	1.09	1.23
1	4U	28	GLY	C-O	-11.87	1.09	1.23
1	5Q	28	GLY	C-O	-11.87	1.09	1.23
1	6I	28	GLY	C-O	-11.87	1.09	1.23
1	6Q	28	GLY	C-O	-11.87	1.09	1.23
1	7M	28	GLY	C-O	-11.87	1.09	1.23
2	1N	74	TYR	CB-CG	11.87	1.77	1.51
2	2J	74	TYR	CB-CG	11.87	1.77	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	74	TYR	CB-CG	11.87	1.77	1.51
2	3J	74	TYR	CB-CG	11.87	1.77	1.51
2	33	74	TYR	CB-CG	11.87	1.77	1.51
2	4F	74	TYR	CB-CG	11.87	1.77	1.51
2	4Z	74	TYR	CB-CG	11.87	1.77	1.51
2	5V	74	TYR	CB-CG	11.87	1.77	1.51
2	6N	74	TYR	CB-CG	11.87	1.77	1.51
2	6V	74	TYR	CB-CG	11.87	1.77	1.51
2	7F	74	TYR	CB-CG	11.87	1.77	1.51
2	7R	74	TYR	CB-CG	11.87	1.77	1.51
2	1N	34	ASP	N-CA	11.86	1.61	1.46
2	2J	34	ASP	N-CA	11.86	1.61	1.46
2	3B	34	ASP	N-CA	11.86	1.61	1.46
2	3J	34	ASP	N-CA	11.86	1.61	1.46
2	33	34	ASP	N-CA	11.86	1.61	1.46
2	4F	34	ASP	N-CA	11.86	1.61	1.46
2	4Z	34	ASP	N-CA	11.86	1.61	1.46
2	5V	34	ASP	N-CA	11.86	1.61	1.46
2	6N	34	ASP	N-CA	11.86	1.61	1.46
2	6V	34	ASP	N-CA	11.86	1.61	1.46
2	7F	34	ASP	N-CA	11.86	1.61	1.46
2	7R	34	ASP	N-CA	11.86	1.61	1.46
1	1Q	158	VAL	C-N	11.80	1.49	1.33
1	1U	158	VAL	C-N	11.80	1.49	1.33
1	1Y	158	VAL	C-N	11.80	1.49	1.33
1	2Q	158	VAL	C-N	11.80	1.49	1.33
1	2U	158	VAL	C-N	11.80	1.49	1.33
1	2Y	158	VAL	C-N	11.80	1.49	1.33
1	42	158	VAL	C-N	11.80	1.49	1.33
1	46	158	VAL	C-N	11.80	1.49	1.33
1	5A	158	VAL	C-N	11.80	1.49	1.33
1	52	158	VAL	C-N	11.80	1.49	1.33
1	56	158	VAL	C-N	11.80	1.49	1.33
1	6A	158	VAL	C-N	11.80	1.49	1.33
2	1F	39	ASP	C-N	11.80	1.50	1.33
2	2N	39	ASP	C-N	11.80	1.50	1.33
2	23	39	ASP	C-N	11.80	1.50	1.33
2	3N	39	ASP	C-N	11.80	1.50	1.33
2	37	39	ASP	C-N	11.80	1.50	1.33
2	4J	39	ASP	C-N	11.80	1.50	1.33
2	4R	39	ASP	C-N	11.80	1.50	1.33
2	5Z	39	ASP	C-N	11.80	1.50	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	39	ASP	C-N	11.80	1.50	1.33
2	6Z	39	ASP	C-N	11.80	1.50	1.33
2	7J	39	ASP	C-N	11.80	1.50	1.33
2	7V	39	ASP	C-N	11.80	1.50	1.33
1	1Q	49	LEU	CB-CG	11.80	1.77	1.53
1	1U	49	LEU	CB-CG	11.80	1.77	1.53
1	1Y	49	LEU	CB-CG	11.80	1.77	1.53
1	2Q	49	LEU	CB-CG	11.80	1.77	1.53
1	2U	49	LEU	CB-CG	11.80	1.77	1.53
1	2Y	49	LEU	CB-CG	11.80	1.77	1.53
1	42	49	LEU	CB-CG	11.80	1.77	1.53
1	46	49	LEU	CB-CG	11.80	1.77	1.53
1	5A	49	LEU	CB-CG	11.80	1.77	1.53
1	52	49	LEU	CB-CG	11.80	1.77	1.53
1	56	49	LEU	CB-CG	11.80	1.77	1.53
1	6A	49	LEU	CB-CG	11.80	1.77	1.53
2	1B	39	ASP	C-N	11.79	1.50	1.33
2	1J	39	ASP	C-N	11.79	1.50	1.33
2	2F	39	ASP	C-N	11.79	1.50	1.33
2	27	39	ASP	C-N	11.79	1.50	1.33
2	3F	39	ASP	C-N	11.79	1.50	1.33
2	4B	39	ASP	C-N	11.79	1.50	1.33
2	4N	39	ASP	C-N	11.79	1.50	1.33
2	4V	39	ASP	C-N	11.79	1.50	1.33
2	5R	39	ASP	C-N	11.79	1.50	1.33
2	6J	39	ASP	C-N	11.79	1.50	1.33
2	6R	39	ASP	C-N	11.79	1.50	1.33
2	7N	39	ASP	C-N	11.79	1.50	1.33
2	1N	39	ASP	C-N	11.79	1.50	1.33
1	1Q	31	LYS	CB-CG	11.79	1.87	1.52
1	1U	31	LYS	CB-CG	11.79	1.87	1.52
1	1Y	31	LYS	CB-CG	11.79	1.87	1.52
2	2J	39	ASP	C-N	11.79	1.50	1.33
1	2Q	31	LYS	CB-CG	11.79	1.87	1.52
1	2U	31	LYS	CB-CG	11.79	1.87	1.52
1	2Y	31	LYS	CB-CG	11.79	1.87	1.52
2	3B	39	ASP	C-N	11.79	1.50	1.33
2	3J	39	ASP	C-N	11.79	1.50	1.33
2	33	39	ASP	C-N	11.79	1.50	1.33
2	4F	39	ASP	C-N	11.79	1.50	1.33
2	4Z	39	ASP	C-N	11.79	1.50	1.33
1	42	31	LYS	CB-CG	11.79	1.87	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	46	31	LYS	CB-CG	11.79	1.87	1.52
1	5A	31	LYS	CB-CG	11.79	1.87	1.52
2	5V	39	ASP	C-N	11.79	1.50	1.33
1	52	31	LYS	CB-CG	11.79	1.87	1.52
1	56	31	LYS	CB-CG	11.79	1.87	1.52
1	6A	31	LYS	CB-CG	11.79	1.87	1.52
2	6N	39	ASP	C-N	11.79	1.50	1.33
2	6V	39	ASP	C-N	11.79	1.50	1.33
2	7F	39	ASP	C-N	11.79	1.50	1.33
2	7R	39	ASP	C-N	11.79	1.50	1.33
1	1A	170	ALA	C-O	-11.78	1.08	1.24
1	1I	170	ALA	C-O	-11.78	1.08	1.24
1	2E	170	ALA	C-O	-11.78	1.08	1.24
1	26	170	ALA	C-O	-11.78	1.08	1.24
1	3E	170	ALA	C-O	-11.78	1.08	1.24
1	4A	170	ALA	C-O	-11.78	1.08	1.24
1	4M	170	ALA	C-O	-11.78	1.08	1.24
1	4U	170	ALA	C-O	-11.78	1.08	1.24
1	5Q	170	ALA	C-O	-11.78	1.08	1.24
1	6I	170	ALA	C-O	-11.78	1.08	1.24
1	6Q	170	ALA	C-O	-11.78	1.08	1.24
1	7M	170	ALA	C-O	-11.78	1.08	1.24
1	1M	49	LEU	CB-CG	11.78	1.77	1.53
1	2I	49	LEU	CB-CG	11.78	1.77	1.53
1	3A	49	LEU	CB-CG	11.78	1.77	1.53
1	3I	49	LEU	CB-CG	11.78	1.77	1.53
1	32	49	LEU	CB-CG	11.78	1.77	1.53
1	4E	49	LEU	CB-CG	11.78	1.77	1.53
1	4Y	49	LEU	CB-CG	11.78	1.77	1.53
1	5U	49	LEU	CB-CG	11.78	1.77	1.53
1	6M	49	LEU	CB-CG	11.78	1.77	1.53
1	6U	49	LEU	CB-CG	11.78	1.77	1.53
1	7E	49	LEU	CB-CG	11.78	1.77	1.53
1	7Q	49	LEU	CB-CG	11.78	1.77	1.53
1	12	49	LEU	CB-CG	11.78	1.77	1.53
1	16	49	LEU	CB-CG	11.78	1.77	1.53
1	2A	49	LEU	CB-CG	11.78	1.77	1.53
1	3Q	49	LEU	CB-CG	11.78	1.77	1.53
1	3U	49	LEU	CB-CG	11.78	1.77	1.53
1	3Y	49	LEU	CB-CG	11.78	1.77	1.53
1	5E	49	LEU	CB-CG	11.78	1.77	1.53
1	5I	49	LEU	CB-CG	11.78	1.77	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	49	LEU	CB-CG	11.78	1.77	1.53
1	62	49	LEU	CB-CG	11.78	1.77	1.53
1	66	49	LEU	CB-CG	11.78	1.77	1.53
1	7A	49	LEU	CB-CG	11.78	1.77	1.53
1	1M	19	SER	N-CA	-11.78	1.28	1.46
1	2I	19	SER	N-CA	-11.78	1.28	1.46
1	3A	19	SER	N-CA	-11.78	1.28	1.46
1	3I	19	SER	N-CA	-11.78	1.28	1.46
1	32	19	SER	N-CA	-11.78	1.28	1.46
1	4E	19	SER	N-CA	-11.78	1.28	1.46
1	4Y	19	SER	N-CA	-11.78	1.28	1.46
1	5U	19	SER	N-CA	-11.78	1.28	1.46
1	6M	19	SER	N-CA	-11.78	1.28	1.46
1	6U	19	SER	N-CA	-11.78	1.28	1.46
1	7E	19	SER	N-CA	-11.78	1.28	1.46
1	7Q	19	SER	N-CA	-11.78	1.28	1.46
1	1E	31	LYS	CB-CG	11.77	1.87	1.52
1	1E	158	VAL	C-N	11.77	1.49	1.33
1	1E	170	ALA	C-O	-11.77	1.08	1.24
1	2M	158	VAL	C-N	11.77	1.49	1.33
1	36	158	VAL	C-N	11.77	1.49	1.33
1	1Q	170	ALA	C-O	-11.77	1.08	1.24
1	1U	170	ALA	C-O	-11.77	1.08	1.24
1	1Y	170	ALA	C-O	-11.77	1.08	1.24
1	2M	31	LYS	CB-CG	11.77	1.87	1.52
1	2M	170	ALA	C-O	-11.77	1.08	1.24
1	3M	158	VAL	C-N	11.77	1.49	1.33
1	5Y	158	VAL	C-N	11.77	1.49	1.33
1	2Q	170	ALA	C-O	-11.77	1.08	1.24
1	2U	170	ALA	C-O	-11.77	1.08	1.24
1	2Y	170	ALA	C-O	-11.77	1.08	1.24
1	22	31	LYS	CB-CG	11.77	1.87	1.52
1	22	158	VAL	C-N	11.77	1.49	1.33
1	22	170	ALA	C-O	-11.77	1.08	1.24
1	3M	31	LYS	CB-CG	11.77	1.87	1.52
1	3M	170	ALA	C-O	-11.77	1.08	1.24
1	36	31	LYS	CB-CG	11.77	1.87	1.52
1	36	170	ALA	C-O	-11.77	1.08	1.24
1	4I	31	LYS	CB-CG	11.77	1.87	1.52
1	4I	158	VAL	C-N	11.77	1.49	1.33
1	4I	170	ALA	C-O	-11.77	1.08	1.24
1	4Q	31	LYS	CB-CG	11.77	1.87	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4Q	158	VAL	C-N	11.77	1.49	1.33
1	4Q	170	ALA	C-O	-11.77	1.08	1.24
1	6E	158	VAL	C-N	11.77	1.49	1.33
1	6Y	158	VAL	C-N	11.77	1.49	1.33
1	7I	158	VAL	C-N	11.77	1.49	1.33
1	42	170	ALA	C-O	-11.77	1.08	1.24
1	46	170	ALA	C-O	-11.77	1.08	1.24
1	5A	170	ALA	C-O	-11.77	1.08	1.24
1	5Y	31	LYS	CB-CG	11.77	1.87	1.52
1	5Y	170	ALA	C-O	-11.77	1.08	1.24
1	52	170	ALA	C-O	-11.77	1.08	1.24
1	56	170	ALA	C-O	-11.77	1.08	1.24
1	6A	170	ALA	C-O	-11.77	1.08	1.24
1	6E	31	LYS	CB-CG	11.77	1.87	1.52
1	6E	170	ALA	C-O	-11.77	1.08	1.24
1	6Y	31	LYS	CB-CG	11.77	1.87	1.52
1	6Y	170	ALA	C-O	-11.77	1.08	1.24
1	7I	31	LYS	CB-CG	11.77	1.87	1.52
1	7I	170	ALA	C-O	-11.77	1.08	1.24
1	7U	31	LYS	CB-CG	11.77	1.87	1.52
1	7U	158	VAL	C-N	11.77	1.49	1.33
1	7U	170	ALA	C-O	-11.77	1.08	1.24
2	13	39	ASP	C-N	11.77	1.50	1.33
2	17	39	ASP	C-N	11.77	1.50	1.33
2	2B	39	ASP	C-N	11.77	1.50	1.33
2	3R	39	ASP	C-N	11.77	1.50	1.33
2	3V	39	ASP	C-N	11.77	1.50	1.33
2	3Z	39	ASP	C-N	11.77	1.50	1.33
2	5F	39	ASP	C-N	11.77	1.50	1.33
2	5J	39	ASP	C-N	11.77	1.50	1.33
2	5N	39	ASP	C-N	11.77	1.50	1.33
2	63	39	ASP	C-N	11.77	1.50	1.33
2	67	39	ASP	C-N	11.77	1.50	1.33
2	7B	39	ASP	C-N	11.77	1.50	1.33
1	1A	31	LYS	CB-CG	11.77	1.87	1.52
1	1A	49	LEU	CB-CG	11.77	1.76	1.53
1	1I	31	LYS	CB-CG	11.77	1.87	1.52
1	1I	49	LEU	CB-CG	11.77	1.76	1.53
1	12	19	SER	N-CA	-11.77	1.28	1.46
1	16	19	SER	N-CA	-11.77	1.28	1.46
1	2A	19	SER	N-CA	-11.77	1.28	1.46
1	2E	31	LYS	CB-CG	11.77	1.87	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	49	LEU	CB-CG	11.77	1.76	1.53
1	26	31	LYS	CB-CG	11.77	1.87	1.52
1	26	49	LEU	CB-CG	11.77	1.76	1.53
1	3E	31	LYS	CB-CG	11.77	1.87	1.52
1	3E	49	LEU	CB-CG	11.77	1.76	1.53
1	3Q	19	SER	N-CA	-11.77	1.28	1.46
1	3U	19	SER	N-CA	-11.77	1.28	1.46
1	3Y	19	SER	N-CA	-11.77	1.28	1.46
1	4A	31	LYS	CB-CG	11.77	1.87	1.52
1	4A	49	LEU	CB-CG	11.77	1.76	1.53
1	4M	31	LYS	CB-CG	11.77	1.87	1.52
1	4M	49	LEU	CB-CG	11.77	1.76	1.53
1	4U	31	LYS	CB-CG	11.77	1.87	1.52
1	4U	49	LEU	CB-CG	11.77	1.76	1.53
1	5E	19	SER	N-CA	-11.77	1.28	1.46
1	5I	19	SER	N-CA	-11.77	1.28	1.46
1	5M	19	SER	N-CA	-11.77	1.28	1.46
1	5Q	31	LYS	CB-CG	11.77	1.87	1.52
1	5Q	49	LEU	CB-CG	11.77	1.76	1.53
1	6I	31	LYS	CB-CG	11.77	1.87	1.52
1	6I	49	LEU	CB-CG	11.77	1.76	1.53
1	6Q	31	LYS	CB-CG	11.77	1.87	1.52
1	6Q	49	LEU	CB-CG	11.77	1.76	1.53
1	62	19	SER	N-CA	-11.77	1.28	1.46
1	66	19	SER	N-CA	-11.77	1.28	1.46
1	7A	19	SER	N-CA	-11.77	1.28	1.46
1	7M	31	LYS	CB-CG	11.77	1.87	1.52
1	7M	49	LEU	CB-CG	11.77	1.76	1.53
2	1B	223	ASP	C-O	11.76	1.39	1.23
2	1J	223	ASP	C-O	11.76	1.39	1.23
1	1M	31	LYS	CB-CG	11.76	1.87	1.52
2	2F	223	ASP	C-O	11.76	1.39	1.23
1	2I	31	LYS	CB-CG	11.76	1.87	1.52
2	27	223	ASP	C-O	11.76	1.39	1.23
1	3A	31	LYS	CB-CG	11.76	1.87	1.52
2	3F	223	ASP	C-O	11.76	1.39	1.23
1	3I	31	LYS	CB-CG	11.76	1.87	1.52
1	32	31	LYS	CB-CG	11.76	1.87	1.52
2	4B	223	ASP	C-O	11.76	1.39	1.23
1	4E	31	LYS	CB-CG	11.76	1.87	1.52
2	4N	223	ASP	C-O	11.76	1.39	1.23
2	4V	223	ASP	C-O	11.76	1.39	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4Y	31	LYS	CB-CG	11.76	1.87	1.52
2	5R	223	ASP	C-O	11.76	1.39	1.23
1	5U	31	LYS	CB-CG	11.76	1.87	1.52
2	6J	223	ASP	C-O	11.76	1.39	1.23
1	6M	31	LYS	CB-CG	11.76	1.87	1.52
2	6R	223	ASP	C-O	11.76	1.39	1.23
1	6U	31	LYS	CB-CG	11.76	1.87	1.52
1	7E	31	LYS	CB-CG	11.76	1.87	1.52
2	7N	223	ASP	C-O	11.76	1.39	1.23
1	7Q	31	LYS	CB-CG	11.76	1.87	1.52
2	1R	39	ASP	C-N	11.76	1.50	1.33
2	1V	39	ASP	C-N	11.76	1.50	1.33
2	1Z	39	ASP	C-N	11.76	1.50	1.33
2	2R	39	ASP	C-N	11.76	1.50	1.33
2	2V	39	ASP	C-N	11.76	1.50	1.33
2	2Z	39	ASP	C-N	11.76	1.50	1.33
2	43	39	ASP	C-N	11.76	1.50	1.33
2	47	39	ASP	C-N	11.76	1.50	1.33
2	5B	39	ASP	C-N	11.76	1.50	1.33
2	53	39	ASP	C-N	11.76	1.50	1.33
2	57	39	ASP	C-N	11.76	1.50	1.33
2	6B	39	ASP	C-N	11.76	1.50	1.33
2	1N	9	VAL	C-O	-11.75	1.10	1.24
1	12	31	LYS	CB-CG	11.75	1.87	1.52
1	16	31	LYS	CB-CG	11.75	1.87	1.52
1	2A	31	LYS	CB-CG	11.75	1.87	1.52
2	2J	9	VAL	C-O	-11.75	1.10	1.24
2	3B	9	VAL	C-O	-11.75	1.10	1.24
2	3J	9	VAL	C-O	-11.75	1.10	1.24
1	3Q	31	LYS	CB-CG	11.75	1.87	1.52
1	3U	31	LYS	CB-CG	11.75	1.87	1.52
1	3Y	31	LYS	CB-CG	11.75	1.87	1.52
2	33	9	VAL	C-O	-11.75	1.10	1.24
2	4F	9	VAL	C-O	-11.75	1.10	1.24
2	4Z	9	VAL	C-O	-11.75	1.10	1.24
1	5E	31	LYS	CB-CG	11.75	1.87	1.52
1	5I	31	LYS	CB-CG	11.75	1.87	1.52
1	5M	31	LYS	CB-CG	11.75	1.87	1.52
2	5V	9	VAL	C-O	-11.75	1.10	1.24
2	6N	9	VAL	C-O	-11.75	1.10	1.24
2	6V	9	VAL	C-O	-11.75	1.10	1.24
1	62	31	LYS	CB-CG	11.75	1.87	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	31	LYS	CB-CG	11.75	1.87	1.52
1	7A	31	LYS	CB-CG	11.75	1.87	1.52
2	7F	9	VAL	C-O	-11.75	1.10	1.24
2	7R	9	VAL	C-O	-11.75	1.10	1.24
1	1A	158	VAL	C-N	11.75	1.49	1.33
1	1I	158	VAL	C-N	11.75	1.49	1.33
1	12	158	VAL	C-N	11.75	1.49	1.33
1	16	158	VAL	C-N	11.75	1.49	1.33
1	2A	158	VAL	C-N	11.75	1.49	1.33
1	2E	158	VAL	C-N	11.75	1.49	1.33
1	26	158	VAL	C-N	11.75	1.49	1.33
1	3E	158	VAL	C-N	11.75	1.49	1.33
1	3Q	158	VAL	C-N	11.75	1.49	1.33
1	3U	158	VAL	C-N	11.75	1.49	1.33
1	3Y	158	VAL	C-N	11.75	1.49	1.33
1	4A	158	VAL	C-N	11.75	1.49	1.33
1	4M	158	VAL	C-N	11.75	1.49	1.33
1	4U	158	VAL	C-N	11.75	1.49	1.33
1	5E	158	VAL	C-N	11.75	1.49	1.33
1	5I	158	VAL	C-N	11.75	1.49	1.33
1	5M	158	VAL	C-N	11.75	1.49	1.33
1	5Q	158	VAL	C-N	11.75	1.49	1.33
1	6I	158	VAL	C-N	11.75	1.49	1.33
1	6Q	158	VAL	C-N	11.75	1.49	1.33
1	62	158	VAL	C-N	11.75	1.49	1.33
1	66	158	VAL	C-N	11.75	1.49	1.33
1	7A	158	VAL	C-N	11.75	1.49	1.33
1	7M	158	VAL	C-N	11.75	1.49	1.33
1	12	170	ALA	C-O	-11.74	1.08	1.24
1	16	170	ALA	C-O	-11.74	1.08	1.24
1	2A	170	ALA	C-O	-11.74	1.08	1.24
1	3Q	170	ALA	C-O	-11.74	1.08	1.24
1	3U	170	ALA	C-O	-11.74	1.08	1.24
1	3Y	170	ALA	C-O	-11.74	1.08	1.24
1	5E	170	ALA	C-O	-11.74	1.08	1.24
1	5I	170	ALA	C-O	-11.74	1.08	1.24
1	5M	170	ALA	C-O	-11.74	1.08	1.24
1	62	170	ALA	C-O	-11.74	1.08	1.24
1	66	170	ALA	C-O	-11.74	1.08	1.24
1	7A	170	ALA	C-O	-11.74	1.08	1.24
2	13	223	ASP	C-O	11.74	1.39	1.23
2	17	223	ASP	C-O	11.74	1.39	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	223	ASP	C-O	11.74	1.39	1.23
2	3R	223	ASP	C-O	11.74	1.39	1.23
2	3V	223	ASP	C-O	11.74	1.39	1.23
2	3Z	223	ASP	C-O	11.74	1.39	1.23
2	5F	223	ASP	C-O	11.74	1.39	1.23
2	5J	223	ASP	C-O	11.74	1.39	1.23
2	5N	223	ASP	C-O	11.74	1.39	1.23
2	63	223	ASP	C-O	11.74	1.39	1.23
2	67	223	ASP	C-O	11.74	1.39	1.23
2	7B	223	ASP	C-O	11.74	1.39	1.23
1	1E	49	LEU	CB-CG	11.74	1.76	1.53
2	1R	4	GLU	CA-C	-11.74	1.37	1.52
2	1V	4	GLU	CA-C	-11.74	1.37	1.52
2	1Z	4	GLU	CA-C	-11.74	1.37	1.52
1	2M	49	LEU	CB-CG	11.74	1.76	1.53
2	2R	4	GLU	CA-C	-11.74	1.37	1.52
2	2V	4	GLU	CA-C	-11.74	1.37	1.52
2	2Z	4	GLU	CA-C	-11.74	1.37	1.52
1	22	49	LEU	CB-CG	11.74	1.76	1.53
1	3M	49	LEU	CB-CG	11.74	1.76	1.53
1	36	49	LEU	CB-CG	11.74	1.76	1.53
1	4I	49	LEU	CB-CG	11.74	1.76	1.53
1	4Q	49	LEU	CB-CG	11.74	1.76	1.53
2	43	4	GLU	CA-C	-11.74	1.37	1.52
2	47	4	GLU	CA-C	-11.74	1.37	1.52
2	5B	4	GLU	CA-C	-11.74	1.37	1.52
1	5Y	49	LEU	CB-CG	11.74	1.76	1.53
2	53	4	GLU	CA-C	-11.74	1.37	1.52
2	57	4	GLU	CA-C	-11.74	1.37	1.52
2	6B	4	GLU	CA-C	-11.74	1.37	1.52
1	6E	49	LEU	CB-CG	11.74	1.76	1.53
1	6Y	49	LEU	CB-CG	11.74	1.76	1.53
1	7I	49	LEU	CB-CG	11.74	1.76	1.53
1	7U	49	LEU	CB-CG	11.74	1.76	1.53
1	1A	19	SER	N-CA	-11.74	1.28	1.46
1	1E	19	SER	N-CA	-11.74	1.28	1.46
1	1I	19	SER	N-CA	-11.74	1.28	1.46
1	2E	19	SER	N-CA	-11.74	1.28	1.46
1	2M	19	SER	N-CA	-11.74	1.28	1.46
1	22	19	SER	N-CA	-11.74	1.28	1.46
1	26	19	SER	N-CA	-11.74	1.28	1.46
1	3E	19	SER	N-CA	-11.74	1.28	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3M	19	SER	N-CA	-11.74	1.28	1.46
1	36	19	SER	N-CA	-11.74	1.28	1.46
1	4A	19	SER	N-CA	-11.74	1.28	1.46
1	4I	19	SER	N-CA	-11.74	1.28	1.46
1	4M	19	SER	N-CA	-11.74	1.28	1.46
1	4Q	19	SER	N-CA	-11.74	1.28	1.46
1	4U	19	SER	N-CA	-11.74	1.28	1.46
1	5Q	19	SER	N-CA	-11.74	1.28	1.46
1	5Y	19	SER	N-CA	-11.74	1.28	1.46
1	6E	19	SER	N-CA	-11.74	1.28	1.46
1	6I	19	SER	N-CA	-11.74	1.28	1.46
1	6Q	19	SER	N-CA	-11.74	1.28	1.46
1	6Y	19	SER	N-CA	-11.74	1.28	1.46
1	7I	19	SER	N-CA	-11.74	1.28	1.46
1	7M	19	SER	N-CA	-11.74	1.28	1.46
1	7U	19	SER	N-CA	-11.74	1.28	1.46
2	1F	223	ASP	C-O	11.73	1.39	1.23
1	1M	158	VAL	C-N	11.73	1.49	1.33
1	2I	158	VAL	C-N	11.73	1.49	1.33
2	2N	223	ASP	C-O	11.73	1.39	1.23
2	23	223	ASP	C-O	11.73	1.39	1.23
1	3A	158	VAL	C-N	11.73	1.49	1.33
1	3I	158	VAL	C-N	11.73	1.49	1.33
2	3N	223	ASP	C-O	11.73	1.39	1.23
1	32	158	VAL	C-N	11.73	1.49	1.33
2	37	223	ASP	C-O	11.73	1.39	1.23
1	4E	158	VAL	C-N	11.73	1.49	1.33
2	4J	223	ASP	C-O	11.73	1.39	1.23
2	4R	223	ASP	C-O	11.73	1.39	1.23
1	4Y	158	VAL	C-N	11.73	1.49	1.33
1	5U	158	VAL	C-N	11.73	1.49	1.33
2	5Z	223	ASP	C-O	11.73	1.39	1.23
2	6F	223	ASP	C-O	11.73	1.39	1.23
1	6M	158	VAL	C-N	11.73	1.49	1.33
1	6U	158	VAL	C-N	11.73	1.49	1.33
2	6Z	223	ASP	C-O	11.73	1.39	1.23
1	7E	158	VAL	C-N	11.73	1.49	1.33
2	7J	223	ASP	C-O	11.73	1.39	1.23
1	7Q	158	VAL	C-N	11.73	1.49	1.33
2	7V	223	ASP	C-O	11.73	1.39	1.23
1	1Q	80	PHE	CD1-CE1	11.73	1.73	1.38
1	1U	80	PHE	CD1-CE1	11.73	1.73	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	80	PHE	CD1-CE1	11.73	1.73	1.38
1	2Q	80	PHE	CD1-CE1	11.73	1.73	1.38
1	2U	80	PHE	CD1-CE1	11.73	1.73	1.38
1	2Y	80	PHE	CD1-CE1	11.73	1.73	1.38
1	42	80	PHE	CD1-CE1	11.73	1.73	1.38
1	46	80	PHE	CD1-CE1	11.73	1.73	1.38
1	5A	80	PHE	CD1-CE1	11.73	1.73	1.38
1	52	80	PHE	CD1-CE1	11.73	1.73	1.38
1	56	80	PHE	CD1-CE1	11.73	1.73	1.38
1	6A	80	PHE	CD1-CE1	11.73	1.73	1.38
1	1M	170	ALA	C-O	-11.72	1.08	1.24
1	1Q	19	SER	N-CA	-11.72	1.28	1.46
1	1U	19	SER	N-CA	-11.72	1.28	1.46
1	1Y	19	SER	N-CA	-11.72	1.28	1.46
1	12	80	PHE	CD1-CE1	11.72	1.73	1.38
1	16	80	PHE	CD1-CE1	11.72	1.73	1.38
1	2A	80	PHE	CD1-CE1	11.72	1.73	1.38
1	2I	170	ALA	C-O	-11.72	1.08	1.24
1	2Q	19	SER	N-CA	-11.72	1.28	1.46
1	2U	19	SER	N-CA	-11.72	1.28	1.46
1	2Y	19	SER	N-CA	-11.72	1.28	1.46
1	3A	170	ALA	C-O	-11.72	1.08	1.24
1	3I	170	ALA	C-O	-11.72	1.08	1.24
1	3Q	80	PHE	CD1-CE1	11.72	1.73	1.38
1	3U	80	PHE	CD1-CE1	11.72	1.73	1.38
1	3Y	80	PHE	CD1-CE1	11.72	1.73	1.38
1	32	170	ALA	C-O	-11.72	1.08	1.24
1	4E	170	ALA	C-O	-11.72	1.08	1.24
1	4Y	170	ALA	C-O	-11.72	1.08	1.24
1	42	19	SER	N-CA	-11.72	1.28	1.46
1	46	19	SER	N-CA	-11.72	1.28	1.46
1	5A	19	SER	N-CA	-11.72	1.28	1.46
1	5E	80	PHE	CD1-CE1	11.72	1.73	1.38
1	5I	80	PHE	CD1-CE1	11.72	1.73	1.38
1	5M	80	PHE	CD1-CE1	11.72	1.73	1.38
1	5U	170	ALA	C-O	-11.72	1.08	1.24
1	52	19	SER	N-CA	-11.72	1.28	1.46
1	56	19	SER	N-CA	-11.72	1.28	1.46
1	6A	19	SER	N-CA	-11.72	1.28	1.46
1	6M	170	ALA	C-O	-11.72	1.08	1.24
1	6U	170	ALA	C-O	-11.72	1.08	1.24
1	62	80	PHE	CD1-CE1	11.72	1.73	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	80	PHE	CD1-CE1	11.72	1.73	1.38
1	7A	80	PHE	CD1-CE1	11.72	1.73	1.38
1	7E	170	ALA	C-O	-11.72	1.08	1.24
1	7Q	170	ALA	C-O	-11.72	1.08	1.24
1	1A	80	PHE	CD1-CE1	11.72	1.73	1.38
1	1I	80	PHE	CD1-CE1	11.72	1.73	1.38
2	1R	9	VAL	C-O	-11.72	1.10	1.24
2	1V	9	VAL	C-O	-11.72	1.10	1.24
2	1Z	9	VAL	C-O	-11.72	1.10	1.24
1	2E	80	PHE	CD1-CE1	11.72	1.73	1.38
2	2R	9	VAL	C-O	-11.72	1.10	1.24
2	2V	9	VAL	C-O	-11.72	1.10	1.24
2	2Z	9	VAL	C-O	-11.72	1.10	1.24
1	26	80	PHE	CD1-CE1	11.72	1.73	1.38
1	3E	80	PHE	CD1-CE1	11.72	1.73	1.38
1	4A	80	PHE	CD1-CE1	11.72	1.73	1.38
1	4M	80	PHE	CD1-CE1	11.72	1.73	1.38
1	4U	80	PHE	CD1-CE1	11.72	1.73	1.38
2	43	9	VAL	C-O	-11.72	1.10	1.24
2	47	9	VAL	C-O	-11.72	1.10	1.24
2	5B	9	VAL	C-O	-11.72	1.10	1.24
1	5Q	80	PHE	CD1-CE1	11.72	1.73	1.38
2	53	9	VAL	C-O	-11.72	1.10	1.24
2	57	9	VAL	C-O	-11.72	1.10	1.24
2	6B	9	VAL	C-O	-11.72	1.10	1.24
1	6I	80	PHE	CD1-CE1	11.72	1.73	1.38
1	6Q	80	PHE	CD1-CE1	11.72	1.73	1.38
1	7M	80	PHE	CD1-CE1	11.72	1.73	1.38
1	1E	80	PHE	CD1-CE1	11.71	1.73	1.38
1	1Q	31	LYS	CA-CB	-11.71	1.34	1.53
1	1U	31	LYS	CA-CB	-11.71	1.34	1.53
1	1Y	31	LYS	CA-CB	-11.71	1.34	1.53
2	13	9	VAL	C-O	-11.71	1.10	1.24
2	17	9	VAL	C-O	-11.71	1.10	1.24
2	2B	9	VAL	C-O	-11.71	1.10	1.24
1	2M	80	PHE	CD1-CE1	11.71	1.73	1.38
1	2Q	31	LYS	CA-CB	-11.71	1.34	1.53
1	2U	31	LYS	CA-CB	-11.71	1.34	1.53
1	2Y	31	LYS	CA-CB	-11.71	1.34	1.53
1	22	80	PHE	CD1-CE1	11.71	1.73	1.38
1	3M	80	PHE	CD1-CE1	11.71	1.73	1.38
2	3R	9	VAL	C-O	-11.71	1.10	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3V	9	VAL	C-O	-11.71	1.10	1.24
2	3Z	9	VAL	C-O	-11.71	1.10	1.24
1	36	80	PHE	CD1-CE1	11.71	1.73	1.38
1	4I	80	PHE	CD1-CE1	11.71	1.73	1.38
1	4Q	80	PHE	CD1-CE1	11.71	1.73	1.38
1	42	31	LYS	CA-CB	-11.71	1.34	1.53
1	46	31	LYS	CA-CB	-11.71	1.34	1.53
1	5A	31	LYS	CA-CB	-11.71	1.34	1.53
2	5F	9	VAL	C-O	-11.71	1.10	1.24
2	5J	9	VAL	C-O	-11.71	1.10	1.24
2	5N	9	VAL	C-O	-11.71	1.10	1.24
1	5Y	80	PHE	CD1-CE1	11.71	1.73	1.38
1	52	31	LYS	CA-CB	-11.71	1.34	1.53
1	56	31	LYS	CA-CB	-11.71	1.34	1.53
1	6A	31	LYS	CA-CB	-11.71	1.34	1.53
1	6E	80	PHE	CD1-CE1	11.71	1.73	1.38
1	6Y	80	PHE	CD1-CE1	11.71	1.73	1.38
2	63	9	VAL	C-O	-11.71	1.10	1.24
2	67	9	VAL	C-O	-11.71	1.10	1.24
2	7B	9	VAL	C-O	-11.71	1.10	1.24
1	7I	80	PHE	CD1-CE1	11.71	1.73	1.38
1	7U	80	PHE	CD1-CE1	11.71	1.73	1.38
1	1E	31	LYS	CA-CB	-11.71	1.34	1.53
1	2M	31	LYS	CA-CB	-11.71	1.34	1.53
1	22	31	LYS	CA-CB	-11.71	1.34	1.53
1	3M	31	LYS	CA-CB	-11.71	1.34	1.53
1	36	31	LYS	CA-CB	-11.71	1.34	1.53
1	4I	31	LYS	CA-CB	-11.71	1.34	1.53
1	4Q	31	LYS	CA-CB	-11.71	1.34	1.53
1	5Y	31	LYS	CA-CB	-11.71	1.34	1.53
1	6E	31	LYS	CA-CB	-11.71	1.34	1.53
1	6Y	31	LYS	CA-CB	-11.71	1.34	1.53
1	7I	31	LYS	CA-CB	-11.71	1.34	1.53
1	7U	31	LYS	CA-CB	-11.71	1.34	1.53
2	13	4	GLU	CA-C	-11.71	1.37	1.52
2	17	4	GLU	CA-C	-11.71	1.37	1.52
2	2B	4	GLU	CA-C	-11.71	1.37	1.52
2	3R	4	GLU	CA-C	-11.71	1.37	1.52
2	3V	4	GLU	CA-C	-11.71	1.37	1.52
2	3Z	4	GLU	CA-C	-11.71	1.37	1.52
2	5F	4	GLU	CA-C	-11.71	1.37	1.52
2	5J	4	GLU	CA-C	-11.71	1.37	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	4	GLU	CA-C	-11.71	1.37	1.52
2	63	4	GLU	CA-C	-11.71	1.37	1.52
2	67	4	GLU	CA-C	-11.71	1.37	1.52
2	7B	4	GLU	CA-C	-11.71	1.37	1.52
2	1R	223	ASP	C-O	11.70	1.39	1.23
2	1V	223	ASP	C-O	11.70	1.39	1.23
2	1Z	223	ASP	C-O	11.70	1.39	1.23
2	2R	223	ASP	C-O	11.70	1.39	1.23
2	2V	223	ASP	C-O	11.70	1.39	1.23
2	2Z	223	ASP	C-O	11.70	1.39	1.23
2	43	223	ASP	C-O	11.70	1.39	1.23
2	47	223	ASP	C-O	11.70	1.39	1.23
2	5B	223	ASP	C-O	11.70	1.39	1.23
2	53	223	ASP	C-O	11.70	1.39	1.23
2	57	223	ASP	C-O	11.70	1.39	1.23
2	6B	223	ASP	C-O	11.70	1.39	1.23
1	1M	80	PHE	CD1-CE1	11.70	1.73	1.38
1	2I	80	PHE	CD1-CE1	11.70	1.73	1.38
1	3A	80	PHE	CD1-CE1	11.70	1.73	1.38
1	3I	80	PHE	CD1-CE1	11.70	1.73	1.38
1	32	80	PHE	CD1-CE1	11.70	1.73	1.38
1	4E	80	PHE	CD1-CE1	11.70	1.73	1.38
1	4Y	80	PHE	CD1-CE1	11.70	1.73	1.38
1	5U	80	PHE	CD1-CE1	11.70	1.73	1.38
1	6M	80	PHE	CD1-CE1	11.70	1.73	1.38
1	6U	80	PHE	CD1-CE1	11.70	1.73	1.38
1	7E	80	PHE	CD1-CE1	11.70	1.73	1.38
1	7Q	80	PHE	CD1-CE1	11.70	1.73	1.38
2	1N	4	GLU	CA-C	-11.69	1.37	1.52
2	1N	223	ASP	C-O	11.70	1.39	1.23
2	2J	4	GLU	CA-C	-11.69	1.37	1.52
2	2J	223	ASP	C-O	11.70	1.39	1.23
2	3B	4	GLU	CA-C	-11.69	1.37	1.52
2	3B	223	ASP	C-O	11.70	1.39	1.23
2	3J	4	GLU	CA-C	-11.69	1.37	1.52
2	3J	223	ASP	C-O	11.70	1.39	1.23
2	33	4	GLU	CA-C	-11.69	1.37	1.52
2	33	223	ASP	C-O	11.70	1.39	1.23
2	4F	4	GLU	CA-C	-11.69	1.37	1.52
2	4F	223	ASP	C-O	11.70	1.39	1.23
2	4Z	4	GLU	CA-C	-11.69	1.37	1.52
2	4Z	223	ASP	C-O	11.70	1.39	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5V	4	GLU	CA-C	-11.69	1.37	1.52
2	5V	223	ASP	C-O	11.70	1.39	1.23
2	6N	4	GLU	CA-C	-11.69	1.37	1.52
2	6N	223	ASP	C-O	11.70	1.39	1.23
2	6V	4	GLU	CA-C	-11.69	1.37	1.52
2	6V	223	ASP	C-O	11.70	1.39	1.23
2	7F	4	GLU	CA-C	-11.69	1.37	1.52
2	7F	223	ASP	C-O	11.70	1.39	1.23
2	7R	4	GLU	CA-C	-11.69	1.37	1.52
2	7R	223	ASP	C-O	11.70	1.39	1.23
1	1A	31	LYS	CA-CB	-11.69	1.34	1.53
1	1I	31	LYS	CA-CB	-11.69	1.34	1.53
1	2E	31	LYS	CA-CB	-11.69	1.34	1.53
1	26	31	LYS	CA-CB	-11.69	1.34	1.53
1	3E	31	LYS	CA-CB	-11.69	1.34	1.53
1	4A	31	LYS	CA-CB	-11.69	1.34	1.53
1	4M	31	LYS	CA-CB	-11.69	1.34	1.53
1	4U	31	LYS	CA-CB	-11.69	1.34	1.53
1	5Q	31	LYS	CA-CB	-11.69	1.34	1.53
1	6I	31	LYS	CA-CB	-11.69	1.34	1.53
1	6Q	31	LYS	CA-CB	-11.69	1.34	1.53
1	7M	31	LYS	CA-CB	-11.69	1.34	1.53
1	12	21	ASN	C-O	-11.69	1.00	1.23
1	16	21	ASN	C-O	-11.69	1.00	1.23
1	2A	21	ASN	C-O	-11.69	1.00	1.23
1	3Q	21	ASN	C-O	-11.69	1.00	1.23
1	3U	21	ASN	C-O	-11.69	1.00	1.23
1	3Y	21	ASN	C-O	-11.69	1.00	1.23
1	5E	21	ASN	C-O	-11.69	1.00	1.23
1	5I	21	ASN	C-O	-11.69	1.00	1.23
1	5M	21	ASN	C-O	-11.69	1.00	1.23
1	62	21	ASN	C-O	-11.69	1.00	1.23
1	66	21	ASN	C-O	-11.69	1.00	1.23
1	7A	21	ASN	C-O	-11.69	1.00	1.23
2	1F	9	VAL	C-O	-11.68	1.10	1.24
1	1M	31	LYS	CA-CB	-11.68	1.34	1.53
1	2I	31	LYS	CA-CB	-11.68	1.34	1.53
2	2N	9	VAL	C-O	-11.68	1.10	1.24
2	23	9	VAL	C-O	-11.68	1.10	1.24
1	3A	31	LYS	CA-CB	-11.68	1.34	1.53
1	3I	31	LYS	CA-CB	-11.68	1.34	1.53
2	3N	9	VAL	C-O	-11.68	1.10	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	32	31	LYS	CA-CB	-11.68	1.34	1.53
2	37	9	VAL	C-O	-11.68	1.10	1.24
1	4E	31	LYS	CA-CB	-11.68	1.34	1.53
2	4J	9	VAL	C-O	-11.68	1.10	1.24
2	4R	9	VAL	C-O	-11.68	1.10	1.24
1	4Y	31	LYS	CA-CB	-11.68	1.34	1.53
1	5U	31	LYS	CA-CB	-11.68	1.34	1.53
2	5Z	9	VAL	C-O	-11.68	1.10	1.24
2	6F	9	VAL	C-O	-11.68	1.10	1.24
1	6M	31	LYS	CA-CB	-11.68	1.34	1.53
1	6U	31	LYS	CA-CB	-11.68	1.34	1.53
2	6Z	9	VAL	C-O	-11.68	1.10	1.24
1	7E	31	LYS	CA-CB	-11.68	1.34	1.53
2	7J	9	VAL	C-O	-11.68	1.10	1.24
1	7Q	31	LYS	CA-CB	-11.68	1.34	1.53
2	7V	9	VAL	C-O	-11.68	1.10	1.24
2	1B	4	GLU	CA-C	-11.68	1.37	1.52
2	1B	9	VAL	C-O	-11.68	1.10	1.24
2	1J	4	GLU	CA-C	-11.68	1.37	1.52
2	1J	9	VAL	C-O	-11.68	1.10	1.24
1	12	31	LYS	CA-CB	-11.68	1.34	1.53
1	16	31	LYS	CA-CB	-11.68	1.34	1.53
1	2A	31	LYS	CA-CB	-11.68	1.34	1.53
1	5I	31	LYS	CA-CB	-11.68	1.34	1.53
1	5M	31	LYS	CA-CB	-11.68	1.34	1.53
1	1M	21	ASN	C-O	-11.68	1.00	1.23
2	2F	4	GLU	CA-C	-11.68	1.37	1.52
2	2F	9	VAL	C-O	-11.68	1.10	1.24
1	3Q	31	LYS	CA-CB	-11.68	1.34	1.53
1	2I	21	ASN	C-O	-11.68	1.00	1.23
2	27	4	GLU	CA-C	-11.68	1.37	1.52
2	27	9	VAL	C-O	-11.68	1.10	1.24
1	5E	31	LYS	CA-CB	-11.68	1.34	1.53
1	3A	21	ASN	C-O	-11.68	1.00	1.23
2	3F	4	GLU	CA-C	-11.68	1.37	1.52
2	3F	9	VAL	C-O	-11.68	1.10	1.24
1	3U	31	LYS	CA-CB	-11.68	1.34	1.53
1	3Y	31	LYS	CA-CB	-11.68	1.34	1.53
1	62	31	LYS	CA-CB	-11.68	1.34	1.53
1	3I	21	ASN	C-O	-11.68	1.00	1.23
1	32	21	ASN	C-O	-11.68	1.00	1.23
2	4B	4	GLU	CA-C	-11.68	1.37	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4B	9	VAL	C-O	-11.68	1.10	1.24
1	4E	21	ASN	C-O	-11.68	1.00	1.23
2	4N	4	GLU	CA-C	-11.68	1.37	1.52
2	4N	9	VAL	C-O	-11.68	1.10	1.24
2	4V	4	GLU	CA-C	-11.68	1.37	1.52
2	4V	9	VAL	C-O	-11.68	1.10	1.24
1	4Y	21	ASN	C-O	-11.68	1.00	1.23
2	5R	4	GLU	CA-C	-11.68	1.37	1.52
2	5R	9	VAL	C-O	-11.68	1.10	1.24
1	5U	21	ASN	C-O	-11.68	1.00	1.23
2	6J	4	GLU	CA-C	-11.68	1.37	1.52
2	6J	9	VAL	C-O	-11.68	1.10	1.24
1	6M	21	ASN	C-O	-11.68	1.00	1.23
2	6R	4	GLU	CA-C	-11.68	1.37	1.52
2	6R	9	VAL	C-O	-11.68	1.10	1.24
1	66	31	LYS	CA-CB	-11.68	1.34	1.53
1	7A	31	LYS	CA-CB	-11.68	1.34	1.53
1	6U	21	ASN	C-O	-11.68	1.00	1.23
1	7E	21	ASN	C-O	-11.68	1.00	1.23
2	7N	4	GLU	CA-C	-11.68	1.37	1.52
2	7N	9	VAL	C-O	-11.68	1.10	1.24
1	7Q	21	ASN	C-O	-11.68	1.00	1.23
2	1B	70	TRP	N-CA	11.67	1.59	1.45
2	1J	70	TRP	N-CA	11.67	1.59	1.45
1	1Q	27	LYS	CG-CD	11.67	1.87	1.52
1	1U	27	LYS	CG-CD	11.67	1.87	1.52
1	1Y	27	LYS	CG-CD	11.67	1.87	1.52
2	2F	70	TRP	N-CA	11.67	1.59	1.45
1	2Q	27	LYS	CG-CD	11.67	1.87	1.52
1	2U	27	LYS	CG-CD	11.67	1.87	1.52
1	2Y	27	LYS	CG-CD	11.67	1.87	1.52
2	27	70	TRP	N-CA	11.67	1.59	1.45
2	3F	70	TRP	N-CA	11.67	1.59	1.45
2	4B	70	TRP	N-CA	11.67	1.59	1.45
2	4N	70	TRP	N-CA	11.67	1.59	1.45
2	4V	70	TRP	N-CA	11.67	1.59	1.45
1	42	27	LYS	CG-CD	11.67	1.87	1.52
1	46	27	LYS	CG-CD	11.67	1.87	1.52
1	5A	27	LYS	CG-CD	11.67	1.87	1.52
2	5R	70	TRP	N-CA	11.67	1.59	1.45
1	52	27	LYS	CG-CD	11.67	1.87	1.52
1	56	27	LYS	CG-CD	11.67	1.87	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6A	27	LYS	CG-CD	11.67	1.87	1.52
2	6J	70	TRP	N-CA	11.67	1.59	1.45
2	6R	70	TRP	N-CA	11.67	1.59	1.45
2	7N	70	TRP	N-CA	11.67	1.59	1.45
2	1F	4	GLU	CA-C	-11.67	1.37	1.52
2	2N	4	GLU	CA-C	-11.67	1.37	1.52
2	23	4	GLU	CA-C	-11.67	1.37	1.52
2	3N	4	GLU	CA-C	-11.67	1.37	1.52
2	37	4	GLU	CA-C	-11.67	1.37	1.52
2	4J	4	GLU	CA-C	-11.67	1.37	1.52
2	4R	4	GLU	CA-C	-11.67	1.37	1.52
2	5Z	4	GLU	CA-C	-11.67	1.37	1.52
2	6F	4	GLU	CA-C	-11.67	1.37	1.52
2	6Z	4	GLU	CA-C	-11.67	1.37	1.52
2	7J	4	GLU	CA-C	-11.67	1.37	1.52
2	7V	4	GLU	CA-C	-11.67	1.37	1.52
2	1N	70	TRP	N-CA	11.67	1.59	1.45
2	2J	70	TRP	N-CA	11.67	1.59	1.45
2	3B	70	TRP	N-CA	11.67	1.59	1.45
2	3J	70	TRP	N-CA	11.67	1.59	1.45
2	33	70	TRP	N-CA	11.67	1.59	1.45
2	4F	70	TRP	N-CA	11.67	1.59	1.45
2	4Z	70	TRP	N-CA	11.67	1.59	1.45
2	5V	70	TRP	N-CA	11.67	1.59	1.45
2	6N	70	TRP	N-CA	11.67	1.59	1.45
2	6V	70	TRP	N-CA	11.67	1.59	1.45
2	7F	70	TRP	N-CA	11.67	1.59	1.45
2	7R	70	TRP	N-CA	11.67	1.59	1.45
1	1E	27	LYS	CG-CD	11.66	1.87	1.52
1	2M	27	LYS	CG-CD	11.66	1.87	1.52
1	22	27	LYS	CG-CD	11.66	1.87	1.52
1	3M	27	LYS	CG-CD	11.66	1.87	1.52
1	36	27	LYS	CG-CD	11.66	1.87	1.52
1	4I	27	LYS	CG-CD	11.66	1.87	1.52
1	4Q	27	LYS	CG-CD	11.66	1.87	1.52
1	5Y	27	LYS	CG-CD	11.66	1.87	1.52
1	6E	27	LYS	CG-CD	11.66	1.87	1.52
1	6Y	27	LYS	CG-CD	11.66	1.87	1.52
1	7I	27	LYS	CG-CD	11.66	1.87	1.52
1	7U	27	LYS	CG-CD	11.66	1.87	1.52
1	1A	27	LYS	CG-CD	11.66	1.87	1.52
1	1I	27	LYS	CG-CD	11.66	1.87	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1M	27	LYS	CG-CD	11.66	1.87	1.52
1	2E	27	LYS	CG-CD	11.66	1.87	1.52
1	2I	27	LYS	CG-CD	11.66	1.87	1.52
1	26	27	LYS	CG-CD	11.66	1.87	1.52
1	3A	27	LYS	CG-CD	11.66	1.87	1.52
1	3E	27	LYS	CG-CD	11.66	1.87	1.52
1	3I	27	LYS	CG-CD	11.66	1.87	1.52
1	32	27	LYS	CG-CD	11.66	1.87	1.52
1	4A	27	LYS	CG-CD	11.66	1.87	1.52
1	4E	27	LYS	CG-CD	11.66	1.87	1.52
1	4M	27	LYS	CG-CD	11.66	1.87	1.52
1	4U	27	LYS	CG-CD	11.66	1.87	1.52
1	4Y	27	LYS	CG-CD	11.66	1.87	1.52
1	5Q	27	LYS	CG-CD	11.66	1.87	1.52
1	5U	27	LYS	CG-CD	11.66	1.87	1.52
1	6I	27	LYS	CG-CD	11.66	1.87	1.52
1	6M	27	LYS	CG-CD	11.66	1.87	1.52
1	6Q	27	LYS	CG-CD	11.66	1.87	1.52
1	6U	27	LYS	CG-CD	11.66	1.87	1.52
1	7E	27	LYS	CG-CD	11.66	1.87	1.52
1	7M	27	LYS	CG-CD	11.66	1.87	1.52
1	7Q	27	LYS	CG-CD	11.66	1.87	1.52
2	1F	70	TRP	N-CA	11.66	1.59	1.45
2	2N	70	TRP	N-CA	11.66	1.59	1.45
2	23	70	TRP	N-CA	11.66	1.59	1.45
2	3N	70	TRP	N-CA	11.66	1.59	1.45
2	37	70	TRP	N-CA	11.66	1.59	1.45
2	4J	70	TRP	N-CA	11.66	1.59	1.45
2	4R	70	TRP	N-CA	11.66	1.59	1.45
2	5Z	70	TRP	N-CA	11.66	1.59	1.45
2	6F	70	TRP	N-CA	11.66	1.59	1.45
2	6Z	70	TRP	N-CA	11.66	1.59	1.45
2	7J	70	TRP	N-CA	11.66	1.59	1.45
2	7V	70	TRP	N-CA	11.66	1.59	1.45
1	1A	21	ASN	C-O	-11.65	1.00	1.23
1	1I	21	ASN	C-O	-11.65	1.00	1.23
2	1R	70	TRP	N-CA	11.65	1.59	1.45
2	1V	70	TRP	N-CA	11.65	1.59	1.45
2	1Z	70	TRP	N-CA	11.65	1.59	1.45
1	12	27	LYS	CG-CD	11.65	1.87	1.52
1	16	27	LYS	CG-CD	11.65	1.87	1.52
1	2A	27	LYS	CG-CD	11.65	1.87	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	21	ASN	C-O	-11.65	1.00	1.23
2	2R	70	TRP	N-CA	11.65	1.59	1.45
2	2V	70	TRP	N-CA	11.65	1.59	1.45
2	2Z	70	TRP	N-CA	11.65	1.59	1.45
1	26	21	ASN	C-O	-11.65	1.00	1.23
1	3E	21	ASN	C-O	-11.65	1.00	1.23
1	3Q	27	LYS	CG-CD	11.65	1.87	1.52
1	3U	27	LYS	CG-CD	11.65	1.87	1.52
1	3Y	27	LYS	CG-CD	11.65	1.87	1.52
1	4A	21	ASN	C-O	-11.65	1.00	1.23
1	4M	21	ASN	C-O	-11.65	1.00	1.23
1	4U	21	ASN	C-O	-11.65	1.00	1.23
2	43	70	TRP	N-CA	11.65	1.59	1.45
2	47	70	TRP	N-CA	11.65	1.59	1.45
2	5B	70	TRP	N-CA	11.65	1.59	1.45
1	5E	27	LYS	CG-CD	11.65	1.87	1.52
1	5I	27	LYS	CG-CD	11.65	1.87	1.52
1	5M	27	LYS	CG-CD	11.65	1.87	1.52
1	5Q	21	ASN	C-O	-11.65	1.00	1.23
2	53	70	TRP	N-CA	11.65	1.59	1.45
2	57	70	TRP	N-CA	11.65	1.59	1.45
2	6B	70	TRP	N-CA	11.65	1.59	1.45
1	6I	21	ASN	C-O	-11.65	1.00	1.23
1	6Q	21	ASN	C-O	-11.65	1.00	1.23
1	62	27	LYS	CG-CD	11.65	1.87	1.52
1	66	27	LYS	CG-CD	11.65	1.87	1.52
1	7A	27	LYS	CG-CD	11.65	1.87	1.52
1	7M	21	ASN	C-O	-11.65	1.00	1.23
1	1Q	167	GLY	C-O	11.65	1.39	1.23
1	1U	167	GLY	C-O	11.65	1.39	1.23
1	1Y	167	GLY	C-O	11.65	1.39	1.23
1	2Q	167	GLY	C-O	11.65	1.39	1.23
1	2U	167	GLY	C-O	11.65	1.39	1.23
1	2Y	167	GLY	C-O	11.65	1.39	1.23
1	42	167	GLY	C-O	11.65	1.39	1.23
1	46	167	GLY	C-O	11.65	1.39	1.23
1	5A	167	GLY	C-O	11.65	1.39	1.23
1	52	167	GLY	C-O	11.65	1.39	1.23
1	56	167	GLY	C-O	11.65	1.39	1.23
1	6A	167	GLY	C-O	11.65	1.39	1.23
2	13	70	TRP	N-CA	11.64	1.59	1.45
2	17	70	TRP	N-CA	11.64	1.59	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	70	TRP	N-CA	11.64	1.59	1.45
2	3R	70	TRP	N-CA	11.64	1.59	1.45
2	3V	70	TRP	N-CA	11.64	1.59	1.45
2	3Z	70	TRP	N-CA	11.64	1.59	1.45
2	5F	70	TRP	N-CA	11.64	1.59	1.45
2	5J	70	TRP	N-CA	11.64	1.59	1.45
2	5N	70	TRP	N-CA	11.64	1.59	1.45
2	63	70	TRP	N-CA	11.64	1.59	1.45
2	67	70	TRP	N-CA	11.64	1.59	1.45
2	7B	70	TRP	N-CA	11.64	1.59	1.45
1	1E	167	GLY	C-O	11.64	1.39	1.23
1	2M	167	GLY	C-O	11.64	1.39	1.23
1	22	167	GLY	C-O	11.64	1.39	1.23
1	3M	167	GLY	C-O	11.64	1.39	1.23
1	36	167	GLY	C-O	11.64	1.39	1.23
1	4I	167	GLY	C-O	11.64	1.39	1.23
1	4Q	167	GLY	C-O	11.64	1.39	1.23
1	5Y	167	GLY	C-O	11.64	1.39	1.23
1	6E	167	GLY	C-O	11.64	1.39	1.23
1	6Y	167	GLY	C-O	11.64	1.39	1.23
1	7I	167	GLY	C-O	11.64	1.39	1.23
1	7U	167	GLY	C-O	11.64	1.39	1.23
1	1M	167	GLY	C-O	11.63	1.39	1.23
1	2I	167	GLY	C-O	11.63	1.39	1.23
1	3A	167	GLY	C-O	11.63	1.39	1.23
1	3I	167	GLY	C-O	11.63	1.39	1.23
1	32	167	GLY	C-O	11.63	1.39	1.23
1	4E	167	GLY	C-O	11.63	1.39	1.23
1	4Y	167	GLY	C-O	11.63	1.39	1.23
1	5U	167	GLY	C-O	11.63	1.39	1.23
1	6M	167	GLY	C-O	11.63	1.39	1.23
1	6U	167	GLY	C-O	11.63	1.39	1.23
1	7E	167	GLY	C-O	11.63	1.39	1.23
1	7Q	167	GLY	C-O	11.63	1.39	1.23
1	1Q	21	ASN	C-O	-11.63	1.00	1.23
1	1U	21	ASN	C-O	-11.63	1.00	1.23
1	1Y	21	ASN	C-O	-11.63	1.00	1.23
1	2Q	21	ASN	C-O	-11.63	1.00	1.23
1	2U	21	ASN	C-O	-11.63	1.00	1.23
1	2Y	21	ASN	C-O	-11.63	1.00	1.23
1	42	21	ASN	C-O	-11.63	1.00	1.23
1	46	21	ASN	C-O	-11.63	1.00	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	21	ASN	C-O	-11.63	1.00	1.23
1	52	21	ASN	C-O	-11.63	1.00	1.23
1	56	21	ASN	C-O	-11.63	1.00	1.23
1	6A	21	ASN	C-O	-11.63	1.00	1.23
1	12	167	GLY	C-O	11.63	1.39	1.23
1	16	167	GLY	C-O	11.63	1.39	1.23
1	2A	167	GLY	C-O	11.63	1.39	1.23
1	3Q	167	GLY	C-O	11.63	1.39	1.23
1	3U	167	GLY	C-O	11.63	1.39	1.23
1	3Y	167	GLY	C-O	11.63	1.39	1.23
1	5E	167	GLY	C-O	11.63	1.39	1.23
1	5I	167	GLY	C-O	11.63	1.39	1.23
1	5M	167	GLY	C-O	11.63	1.39	1.23
1	62	167	GLY	C-O	11.63	1.39	1.23
1	66	167	GLY	C-O	11.63	1.39	1.23
1	7A	167	GLY	C-O	11.63	1.39	1.23
1	1E	21	ASN	C-O	-11.62	1.00	1.23
1	2M	21	ASN	C-O	-11.62	1.00	1.23
1	22	21	ASN	C-O	-11.62	1.00	1.23
1	3M	21	ASN	C-O	-11.62	1.00	1.23
1	36	21	ASN	C-O	-11.62	1.00	1.23
1	4I	21	ASN	C-O	-11.62	1.00	1.23
1	4Q	21	ASN	C-O	-11.62	1.00	1.23
1	5Y	21	ASN	C-O	-11.62	1.00	1.23
1	6E	21	ASN	C-O	-11.62	1.00	1.23
1	6Y	21	ASN	C-O	-11.62	1.00	1.23
1	7I	21	ASN	C-O	-11.62	1.00	1.23
1	7U	21	ASN	C-O	-11.62	1.00	1.23
1	1A	167	GLY	C-O	11.61	1.39	1.23
1	1I	167	GLY	C-O	11.61	1.39	1.23
1	2E	167	GLY	C-O	11.61	1.39	1.23
1	26	167	GLY	C-O	11.61	1.39	1.23
1	3E	167	GLY	C-O	11.61	1.39	1.23
1	4A	167	GLY	C-O	11.61	1.39	1.23
1	4M	167	GLY	C-O	11.61	1.39	1.23
1	4U	167	GLY	C-O	11.61	1.39	1.23
1	5Q	167	GLY	C-O	11.61	1.39	1.23
1	6I	167	GLY	C-O	11.61	1.39	1.23
1	6Q	167	GLY	C-O	11.61	1.39	1.23
1	7M	167	GLY	C-O	11.61	1.39	1.23
2	13	53	LYS	CB-CG	11.56	1.87	1.52
2	17	53	LYS	CB-CG	11.56	1.87	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	53	LYS	CB-CG	11.56	1.87	1.52
2	3R	53	LYS	CB-CG	11.56	1.87	1.52
2	3V	53	LYS	CB-CG	11.56	1.87	1.52
2	3Z	53	LYS	CB-CG	11.56	1.87	1.52
2	5F	53	LYS	CB-CG	11.56	1.87	1.52
2	5J	53	LYS	CB-CG	11.56	1.87	1.52
2	5N	53	LYS	CB-CG	11.56	1.87	1.52
2	63	53	LYS	CB-CG	11.56	1.87	1.52
2	67	53	LYS	CB-CG	11.56	1.87	1.52
2	7B	53	LYS	CB-CG	11.56	1.87	1.52
2	1B	53	LYS	CB-CG	11.55	1.87	1.52
2	1F	53	LYS	CB-CG	11.55	1.87	1.52
2	1J	53	LYS	CB-CG	11.55	1.87	1.52
2	2F	53	LYS	CB-CG	11.55	1.87	1.52
2	2N	53	LYS	CB-CG	11.55	1.87	1.52
2	23	53	LYS	CB-CG	11.55	1.87	1.52
2	27	53	LYS	CB-CG	11.55	1.87	1.52
2	3F	53	LYS	CB-CG	11.55	1.87	1.52
2	3N	53	LYS	CB-CG	11.55	1.87	1.52
2	37	53	LYS	CB-CG	11.55	1.87	1.52
2	4B	53	LYS	CB-CG	11.55	1.87	1.52
2	4J	53	LYS	CB-CG	11.55	1.87	1.52
2	4N	53	LYS	CB-CG	11.55	1.87	1.52
2	4R	53	LYS	CB-CG	11.55	1.87	1.52
2	4V	53	LYS	CB-CG	11.55	1.87	1.52
2	5R	53	LYS	CB-CG	11.55	1.87	1.52
2	5Z	53	LYS	CB-CG	11.55	1.87	1.52
2	6F	53	LYS	CB-CG	11.55	1.87	1.52
2	6J	53	LYS	CB-CG	11.55	1.87	1.52
2	6R	53	LYS	CB-CG	11.55	1.87	1.52
2	6Z	53	LYS	CB-CG	11.55	1.87	1.52
2	7J	53	LYS	CB-CG	11.55	1.87	1.52
2	7N	53	LYS	CB-CG	11.55	1.87	1.52
2	7V	53	LYS	CB-CG	11.55	1.87	1.52
2	1F	216	ASN	C-N	11.55	1.48	1.34
2	1N	216	ASN	C-N	11.55	1.48	1.34
2	2J	216	ASN	C-N	11.55	1.48	1.34
2	2N	216	ASN	C-N	11.55	1.48	1.34
2	23	216	ASN	C-N	11.55	1.48	1.34
2	3B	216	ASN	C-N	11.55	1.48	1.34
2	3J	216	ASN	C-N	11.55	1.48	1.34
2	3N	216	ASN	C-N	11.55	1.48	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	33	216	ASN	C-N	11.55	1.48	1.34
2	37	216	ASN	C-N	11.55	1.48	1.34
2	4F	216	ASN	C-N	11.55	1.48	1.34
2	4J	216	ASN	C-N	11.55	1.48	1.34
2	4R	216	ASN	C-N	11.55	1.48	1.34
2	4Z	216	ASN	C-N	11.55	1.48	1.34
2	5V	216	ASN	C-N	11.55	1.48	1.34
2	5Z	216	ASN	C-N	11.55	1.48	1.34
2	6F	216	ASN	C-N	11.55	1.48	1.34
2	6N	216	ASN	C-N	11.55	1.48	1.34
2	6V	216	ASN	C-N	11.55	1.48	1.34
2	6Z	216	ASN	C-N	11.55	1.48	1.34
2	7F	216	ASN	C-N	11.55	1.48	1.34
2	7J	216	ASN	C-N	11.55	1.48	1.34
2	7R	216	ASN	C-N	11.55	1.48	1.34
2	7V	216	ASN	C-N	11.55	1.48	1.34
2	1R	53	LYS	CB-CG	11.55	1.87	1.52
2	1V	53	LYS	CB-CG	11.55	1.87	1.52
2	1Z	53	LYS	CB-CG	11.55	1.87	1.52
2	2R	53	LYS	CB-CG	11.55	1.87	1.52
2	2V	53	LYS	CB-CG	11.55	1.87	1.52
2	2Z	53	LYS	CB-CG	11.55	1.87	1.52
2	43	53	LYS	CB-CG	11.55	1.87	1.52
2	47	53	LYS	CB-CG	11.55	1.87	1.52
2	5B	53	LYS	CB-CG	11.55	1.87	1.52
2	53	53	LYS	CB-CG	11.55	1.87	1.52
2	57	53	LYS	CB-CG	11.55	1.87	1.52
2	6B	53	LYS	CB-CG	11.55	1.87	1.52
1	12	77	ALA	C-N	-11.54	1.17	1.33
1	16	77	ALA	C-N	-11.54	1.17	1.33
1	2A	77	ALA	C-N	-11.54	1.17	1.33
1	3Q	77	ALA	C-N	-11.54	1.17	1.33
1	3U	77	ALA	C-N	-11.54	1.17	1.33
1	3Y	77	ALA	C-N	-11.54	1.17	1.33
1	5E	77	ALA	C-N	-11.54	1.17	1.33
1	5I	77	ALA	C-N	-11.54	1.17	1.33
1	5M	77	ALA	C-N	-11.54	1.17	1.33
1	62	77	ALA	C-N	-11.54	1.17	1.33
1	66	77	ALA	C-N	-11.54	1.17	1.33
1	7A	77	ALA	C-N	-11.54	1.17	1.33
2	1N	53	LYS	CB-CG	11.54	1.87	1.52
2	2J	53	LYS	CB-CG	11.54	1.87	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	53	LYS	CB-CG	11.54	1.87	1.52
2	3J	53	LYS	CB-CG	11.54	1.87	1.52
2	33	53	LYS	CB-CG	11.54	1.87	1.52
2	4F	53	LYS	CB-CG	11.54	1.87	1.52
2	4Z	53	LYS	CB-CG	11.54	1.87	1.52
2	5V	53	LYS	CB-CG	11.54	1.87	1.52
2	6N	53	LYS	CB-CG	11.54	1.87	1.52
2	6V	53	LYS	CB-CG	11.54	1.87	1.52
2	7F	53	LYS	CB-CG	11.54	1.87	1.52
2	7R	53	LYS	CB-CG	11.54	1.87	1.52
1	1Q	77	ALA	C-N	-11.54	1.17	1.33
1	1U	77	ALA	C-N	-11.54	1.17	1.33
1	1Y	77	ALA	C-N	-11.54	1.17	1.33
1	2Q	77	ALA	C-N	-11.54	1.17	1.33
1	2U	77	ALA	C-N	-11.54	1.17	1.33
1	2Y	77	ALA	C-N	-11.54	1.17	1.33
1	42	77	ALA	C-N	-11.54	1.17	1.33
1	46	77	ALA	C-N	-11.54	1.17	1.33
1	5A	77	ALA	C-N	-11.54	1.17	1.33
1	52	77	ALA	C-N	-11.54	1.17	1.33
1	56	77	ALA	C-N	-11.54	1.17	1.33
1	6A	77	ALA	C-N	-11.54	1.17	1.33
1	1E	77	ALA	C-N	-11.52	1.17	1.33
2	13	108	HIS	CA-CB	-11.52	1.33	1.53
2	17	108	HIS	CA-CB	-11.52	1.33	1.53
2	2B	108	HIS	CA-CB	-11.52	1.33	1.53
1	2M	77	ALA	C-N	-11.52	1.17	1.33
1	22	77	ALA	C-N	-11.52	1.17	1.33
1	3M	77	ALA	C-N	-11.52	1.17	1.33
2	3R	108	HIS	CA-CB	-11.52	1.33	1.53
2	3V	108	HIS	CA-CB	-11.52	1.33	1.53
2	3Z	108	HIS	CA-CB	-11.52	1.33	1.53
1	36	77	ALA	C-N	-11.52	1.17	1.33
1	4I	77	ALA	C-N	-11.52	1.17	1.33
1	4Q	77	ALA	C-N	-11.52	1.17	1.33
2	5F	108	HIS	CA-CB	-11.52	1.33	1.53
2	5J	108	HIS	CA-CB	-11.52	1.33	1.53
2	5N	108	HIS	CA-CB	-11.52	1.33	1.53
1	5Y	77	ALA	C-N	-11.52	1.17	1.33
1	6E	77	ALA	C-N	-11.52	1.17	1.33
1	6Y	77	ALA	C-N	-11.52	1.17	1.33
2	63	108	HIS	CA-CB	-11.52	1.33	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	67	108	HIS	CA-CB	-11.52	1.33	1.53
2	7B	108	HIS	CA-CB	-11.52	1.33	1.53
1	7I	77	ALA	C-N	-11.52	1.17	1.33
1	7U	77	ALA	C-N	-11.52	1.17	1.33
2	1F	108	HIS	CA-CB	-11.52	1.34	1.53
2	2N	108	HIS	CA-CB	-11.52	1.34	1.53
2	23	108	HIS	CA-CB	-11.52	1.34	1.53
2	3N	108	HIS	CA-CB	-11.52	1.34	1.53
2	37	108	HIS	CA-CB	-11.52	1.34	1.53
2	4J	108	HIS	CA-CB	-11.52	1.34	1.53
2	4R	108	HIS	CA-CB	-11.52	1.34	1.53
2	5Z	108	HIS	CA-CB	-11.52	1.34	1.53
2	6F	108	HIS	CA-CB	-11.52	1.34	1.53
2	6Z	108	HIS	CA-CB	-11.52	1.34	1.53
2	7J	108	HIS	CA-CB	-11.52	1.34	1.53
2	7V	108	HIS	CA-CB	-11.52	1.34	1.53
1	1A	182	PHE	CA-C	-11.52	1.37	1.52
2	1B	36	SER	C-N	-11.52	1.17	1.33
1	1I	182	PHE	CA-C	-11.52	1.37	1.52
2	1J	36	SER	C-N	-11.52	1.17	1.33
1	1M	182	PHE	CA-C	-11.52	1.37	1.52
1	2E	182	PHE	CA-C	-11.52	1.37	1.52
2	2F	36	SER	C-N	-11.52	1.17	1.33
1	2I	182	PHE	CA-C	-11.52	1.37	1.52
1	26	182	PHE	CA-C	-11.52	1.37	1.52
2	27	36	SER	C-N	-11.52	1.17	1.33
1	3A	182	PHE	CA-C	-11.52	1.37	1.52
1	3E	182	PHE	CA-C	-11.52	1.37	1.52
2	3F	36	SER	C-N	-11.52	1.17	1.33
1	3I	182	PHE	CA-C	-11.52	1.37	1.52
1	32	182	PHE	CA-C	-11.52	1.37	1.52
1	4A	182	PHE	CA-C	-11.52	1.37	1.52
2	4B	36	SER	C-N	-11.52	1.17	1.33
1	4E	182	PHE	CA-C	-11.52	1.37	1.52
1	4M	182	PHE	CA-C	-11.52	1.37	1.52
2	4N	36	SER	C-N	-11.52	1.17	1.33
1	4U	182	PHE	CA-C	-11.52	1.37	1.52
2	4V	36	SER	C-N	-11.52	1.17	1.33
1	4Y	182	PHE	CA-C	-11.52	1.37	1.52
1	5Q	182	PHE	CA-C	-11.52	1.37	1.52
2	5R	36	SER	C-N	-11.52	1.17	1.33
1	5U	182	PHE	CA-C	-11.52	1.37	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6I	182	PHE	CA-C	-11.52	1.37	1.52
2	6J	36	SER	C-N	-11.52	1.17	1.33
1	6M	182	PHE	CA-C	-11.52	1.37	1.52
1	6Q	182	PHE	CA-C	-11.52	1.37	1.52
2	6R	36	SER	C-N	-11.52	1.17	1.33
1	6U	182	PHE	CA-C	-11.52	1.37	1.52
1	7E	182	PHE	CA-C	-11.52	1.37	1.52
1	7M	182	PHE	CA-C	-11.52	1.37	1.52
2	7N	36	SER	C-N	-11.52	1.17	1.33
1	7Q	182	PHE	CA-C	-11.52	1.37	1.52
1	1Q	182	PHE	CA-C	-11.51	1.37	1.52
1	1U	182	PHE	CA-C	-11.51	1.37	1.52
1	1Y	182	PHE	CA-C	-11.51	1.37	1.52
1	12	145	LEU	CA-CB	11.51	1.73	1.53
1	16	145	LEU	CA-CB	11.51	1.73	1.53
1	2A	145	LEU	CA-CB	11.51	1.73	1.53
1	2Q	182	PHE	CA-C	-11.51	1.37	1.52
1	2U	182	PHE	CA-C	-11.51	1.37	1.52
1	2Y	182	PHE	CA-C	-11.51	1.37	1.52
1	3Q	145	LEU	CA-CB	11.51	1.73	1.53
1	3U	145	LEU	CA-CB	11.51	1.73	1.53
1	3Y	145	LEU	CA-CB	11.51	1.73	1.53
1	42	182	PHE	CA-C	-11.51	1.37	1.52
1	46	182	PHE	CA-C	-11.51	1.37	1.52
1	5A	182	PHE	CA-C	-11.51	1.37	1.52
1	5E	145	LEU	CA-CB	11.51	1.73	1.53
1	5I	145	LEU	CA-CB	11.51	1.73	1.53
1	5M	145	LEU	CA-CB	11.51	1.73	1.53
1	52	182	PHE	CA-C	-11.51	1.37	1.52
1	56	182	PHE	CA-C	-11.51	1.37	1.52
1	6A	182	PHE	CA-C	-11.51	1.37	1.52
1	62	145	LEU	CA-CB	11.51	1.73	1.53
1	66	145	LEU	CA-CB	11.51	1.73	1.53
1	7A	145	LEU	CA-CB	11.51	1.73	1.53
1	1E	182	PHE	CA-C	-11.51	1.37	1.52
1	1M	77	ALA	C-N	-11.51	1.17	1.33
1	2I	77	ALA	C-N	-11.51	1.17	1.33
1	2M	182	PHE	CA-C	-11.51	1.37	1.52
1	22	182	PHE	CA-C	-11.51	1.37	1.52
1	3A	77	ALA	C-N	-11.51	1.17	1.33
1	3I	77	ALA	C-N	-11.51	1.17	1.33
1	3M	182	PHE	CA-C	-11.51	1.37	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	32	77	ALA	C-N	-11.51	1.17	1.33
1	36	182	PHE	CA-C	-11.51	1.37	1.52
1	4E	77	ALA	C-N	-11.51	1.17	1.33
1	4I	182	PHE	CA-C	-11.51	1.37	1.52
1	4Q	182	PHE	CA-C	-11.51	1.37	1.52
1	4Y	77	ALA	C-N	-11.51	1.17	1.33
1	5U	77	ALA	C-N	-11.51	1.17	1.33
1	5Y	182	PHE	CA-C	-11.51	1.37	1.52
1	6E	182	PHE	CA-C	-11.51	1.37	1.52
1	6M	77	ALA	C-N	-11.51	1.17	1.33
1	6U	77	ALA	C-N	-11.51	1.17	1.33
1	6Y	182	PHE	CA-C	-11.51	1.37	1.52
1	7E	77	ALA	C-N	-11.51	1.17	1.33
1	7I	182	PHE	CA-C	-11.51	1.37	1.52
1	7Q	77	ALA	C-N	-11.51	1.17	1.33
1	7U	182	PHE	CA-C	-11.51	1.37	1.52
1	1E	145	LEU	CA-CB	11.51	1.73	1.53
2	1R	108	HIS	CA-CB	-11.51	1.34	1.53
2	1V	108	HIS	CA-CB	-11.51	1.34	1.53
2	1Z	108	HIS	CA-CB	-11.51	1.34	1.53
1	12	182	PHE	CA-C	-11.51	1.37	1.52
2	13	36	SER	C-N	-11.51	1.17	1.33
1	16	182	PHE	CA-C	-11.51	1.37	1.52
2	17	36	SER	C-N	-11.51	1.17	1.33
1	2A	182	PHE	CA-C	-11.51	1.37	1.52
2	2B	36	SER	C-N	-11.51	1.17	1.33
1	2M	145	LEU	CA-CB	11.51	1.73	1.53
2	2R	108	HIS	CA-CB	-11.51	1.34	1.53
2	2V	108	HIS	CA-CB	-11.51	1.34	1.53
2	2Z	108	HIS	CA-CB	-11.51	1.34	1.53
1	22	145	LEU	CA-CB	11.51	1.73	1.53
1	3M	145	LEU	CA-CB	11.51	1.73	1.53
1	3Q	182	PHE	CA-C	-11.51	1.37	1.52
2	3R	36	SER	C-N	-11.51	1.17	1.33
1	3U	182	PHE	CA-C	-11.51	1.37	1.52
2	3V	36	SER	C-N	-11.51	1.17	1.33
1	3Y	182	PHE	CA-C	-11.51	1.37	1.52
2	3Z	36	SER	C-N	-11.51	1.17	1.33
1	36	145	LEU	CA-CB	11.51	1.73	1.53
1	4I	145	LEU	CA-CB	11.51	1.73	1.53
1	4Q	145	LEU	CA-CB	11.51	1.73	1.53
2	43	108	HIS	CA-CB	-11.51	1.34	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	108	HIS	CA-CB	-11.51	1.34	1.53
2	5B	108	HIS	CA-CB	-11.51	1.34	1.53
1	5E	182	PHE	CA-C	-11.51	1.37	1.52
2	5F	36	SER	C-N	-11.51	1.17	1.33
1	5I	182	PHE	CA-C	-11.51	1.37	1.52
2	5J	36	SER	C-N	-11.51	1.17	1.33
1	5M	182	PHE	CA-C	-11.51	1.37	1.52
2	5N	36	SER	C-N	-11.51	1.17	1.33
1	5Y	145	LEU	CA-CB	11.51	1.73	1.53
2	53	108	HIS	CA-CB	-11.51	1.34	1.53
2	57	108	HIS	CA-CB	-11.51	1.34	1.53
2	6B	108	HIS	CA-CB	-11.51	1.34	1.53
1	6E	145	LEU	CA-CB	11.51	1.73	1.53
1	6Y	145	LEU	CA-CB	11.51	1.73	1.53
1	62	182	PHE	CA-C	-11.51	1.37	1.52
2	63	36	SER	C-N	-11.51	1.17	1.33
1	66	182	PHE	CA-C	-11.51	1.37	1.52
2	67	36	SER	C-N	-11.51	1.17	1.33
1	7A	182	PHE	CA-C	-11.51	1.37	1.52
2	7B	36	SER	C-N	-11.51	1.17	1.33
1	7I	145	LEU	CA-CB	11.51	1.73	1.53
1	7U	145	LEU	CA-CB	11.51	1.73	1.53
1	1A	77	ALA	C-N	-11.50	1.17	1.33
1	1I	77	ALA	C-N	-11.50	1.17	1.33
1	2E	77	ALA	C-N	-11.50	1.17	1.33
1	26	77	ALA	C-N	-11.50	1.17	1.33
1	3E	77	ALA	C-N	-11.50	1.17	1.33
1	4A	77	ALA	C-N	-11.50	1.17	1.33
1	4M	77	ALA	C-N	-11.50	1.17	1.33
1	4U	77	ALA	C-N	-11.50	1.17	1.33
1	5Q	77	ALA	C-N	-11.50	1.17	1.33
1	6I	77	ALA	C-N	-11.50	1.17	1.33
1	6Q	77	ALA	C-N	-11.50	1.17	1.33
1	7M	77	ALA	C-N	-11.50	1.17	1.33
1	1A	145	LEU	CA-CB	11.50	1.73	1.53
1	1I	145	LEU	CA-CB	11.50	1.73	1.53
2	1N	108	HIS	CA-CB	-11.50	1.34	1.53
1	2E	145	LEU	CA-CB	11.50	1.73	1.53
2	2J	108	HIS	CA-CB	-11.50	1.34	1.53
1	26	145	LEU	CA-CB	11.50	1.73	1.53
2	3B	108	HIS	CA-CB	-11.50	1.34	1.53
1	3E	145	LEU	CA-CB	11.50	1.73	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3J	108	HIS	CA-CB	-11.50	1.34	1.53
2	33	108	HIS	CA-CB	-11.50	1.34	1.53
1	4A	145	LEU	CA-CB	11.50	1.73	1.53
2	4F	108	HIS	CA-CB	-11.50	1.34	1.53
1	4M	145	LEU	CA-CB	11.50	1.73	1.53
1	4U	145	LEU	CA-CB	11.50	1.73	1.53
2	4Z	108	HIS	CA-CB	-11.50	1.34	1.53
1	5Q	145	LEU	CA-CB	11.50	1.73	1.53
2	5V	108	HIS	CA-CB	-11.50	1.34	1.53
1	6I	145	LEU	CA-CB	11.50	1.73	1.53
2	6N	108	HIS	CA-CB	-11.50	1.34	1.53
1	6Q	145	LEU	CA-CB	11.50	1.73	1.53
2	6V	108	HIS	CA-CB	-11.50	1.34	1.53
2	7F	108	HIS	CA-CB	-11.50	1.34	1.53
1	7M	145	LEU	CA-CB	11.50	1.73	1.53
2	7R	108	HIS	CA-CB	-11.50	1.34	1.53
1	1M	154	SER	N-CA	-11.50	1.26	1.46
1	2I	154	SER	N-CA	-11.50	1.26	1.46
1	3A	154	SER	N-CA	-11.50	1.26	1.46
1	3I	154	SER	N-CA	-11.50	1.26	1.46
1	32	154	SER	N-CA	-11.50	1.26	1.46
1	4E	154	SER	N-CA	-11.50	1.26	1.46
1	4Y	154	SER	N-CA	-11.50	1.26	1.46
1	5U	154	SER	N-CA	-11.50	1.26	1.46
1	6M	154	SER	N-CA	-11.50	1.26	1.46
1	6U	154	SER	N-CA	-11.50	1.26	1.46
1	7E	154	SER	N-CA	-11.50	1.26	1.46
1	7Q	154	SER	N-CA	-11.50	1.26	1.46
2	1B	108	HIS	CA-CB	-11.50	1.34	1.53
2	1J	108	HIS	CA-CB	-11.50	1.34	1.53
1	1M	153	SER	CA-C	11.50	1.77	1.52
2	2F	108	HIS	CA-CB	-11.50	1.34	1.53
1	2I	153	SER	CA-C	11.50	1.77	1.52
2	27	108	HIS	CA-CB	-11.50	1.34	1.53
1	3A	153	SER	CA-C	11.50	1.77	1.52
2	3F	108	HIS	CA-CB	-11.50	1.34	1.53
1	3I	153	SER	CA-C	11.50	1.77	1.52
1	32	153	SER	CA-C	11.50	1.77	1.52
2	4B	108	HIS	CA-CB	-11.50	1.34	1.53
1	4E	153	SER	CA-C	11.50	1.77	1.52
2	4N	108	HIS	CA-CB	-11.50	1.34	1.53
2	4V	108	HIS	CA-CB	-11.50	1.34	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4Y	153	SER	CA-C	11.50	1.77	1.52
2	5R	108	HIS	CA-CB	-11.50	1.34	1.53
1	5U	153	SER	CA-C	11.50	1.77	1.52
2	6J	108	HIS	CA-CB	-11.50	1.34	1.53
1	6M	153	SER	CA-C	11.50	1.77	1.52
2	6R	108	HIS	CA-CB	-11.50	1.34	1.53
1	6U	153	SER	CA-C	11.50	1.77	1.52
1	7E	153	SER	CA-C	11.50	1.77	1.52
2	7N	108	HIS	CA-CB	-11.50	1.34	1.53
1	7Q	153	SER	CA-C	11.50	1.77	1.52
1	1M	145	LEU	CA-CB	11.49	1.72	1.53
1	2I	145	LEU	CA-CB	11.49	1.72	1.53
1	3A	145	LEU	CA-CB	11.49	1.72	1.53
1	3I	145	LEU	CA-CB	11.49	1.72	1.53
1	32	145	LEU	CA-CB	11.49	1.72	1.53
1	4E	145	LEU	CA-CB	11.49	1.72	1.53
1	4Y	145	LEU	CA-CB	11.49	1.72	1.53
1	5U	145	LEU	CA-CB	11.49	1.72	1.53
1	6M	145	LEU	CA-CB	11.49	1.72	1.53
1	6U	145	LEU	CA-CB	11.49	1.72	1.53
1	7E	145	LEU	CA-CB	11.49	1.72	1.53
1	7Q	145	LEU	CA-CB	11.49	1.72	1.53
1	12	154	SER	CB-OG	-11.49	1.19	1.42
1	16	154	SER	CB-OG	-11.49	1.19	1.42
1	2A	154	SER	CB-OG	-11.49	1.19	1.42
1	3Q	154	SER	CB-OG	-11.49	1.19	1.42
1	3U	154	SER	CB-OG	-11.49	1.19	1.42
1	3Y	154	SER	CB-OG	-11.49	1.19	1.42
1	5E	154	SER	CB-OG	-11.49	1.19	1.42
1	5I	154	SER	CB-OG	-11.49	1.19	1.42
1	5M	154	SER	CB-OG	-11.49	1.19	1.42
1	62	154	SER	CB-OG	-11.49	1.19	1.42
1	66	154	SER	CB-OG	-11.49	1.19	1.42
1	7A	154	SER	CB-OG	-11.49	1.19	1.42
1	12	154	SER	N-CA	-11.49	1.26	1.46
1	16	154	SER	N-CA	-11.49	1.26	1.46
1	2A	154	SER	N-CA	-11.49	1.26	1.46
1	3Q	154	SER	N-CA	-11.49	1.26	1.46
1	3U	154	SER	N-CA	-11.49	1.26	1.46
1	3Y	154	SER	N-CA	-11.49	1.26	1.46
1	5E	154	SER	N-CA	-11.49	1.26	1.46
1	5I	154	SER	N-CA	-11.49	1.26	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	154	SER	N-CA	-11.49	1.26	1.46
1	62	154	SER	N-CA	-11.49	1.26	1.46
1	66	154	SER	N-CA	-11.49	1.26	1.46
1	7A	154	SER	N-CA	-11.49	1.26	1.46
2	1R	216	ASN	C-N	11.48	1.48	1.34
2	1V	216	ASN	C-N	11.48	1.48	1.34
2	1Z	216	ASN	C-N	11.48	1.48	1.34
2	2R	216	ASN	C-N	11.48	1.48	1.34
2	2V	216	ASN	C-N	11.48	1.48	1.34
2	2Z	216	ASN	C-N	11.48	1.48	1.34
2	43	216	ASN	C-N	11.48	1.48	1.34
2	47	216	ASN	C-N	11.48	1.48	1.34
2	5B	216	ASN	C-N	11.48	1.48	1.34
2	53	216	ASN	C-N	11.48	1.48	1.34
2	57	216	ASN	C-N	11.48	1.48	1.34
2	6B	216	ASN	C-N	11.48	1.48	1.34
2	1B	216	ASN	C-N	11.48	1.48	1.34
1	1E	40	SER	CA-C	-11.48	1.38	1.52
2	1J	216	ASN	C-N	11.48	1.48	1.34
2	13	216	ASN	C-N	11.48	1.48	1.34
2	17	216	ASN	C-N	11.48	1.48	1.34
2	2B	216	ASN	C-N	11.48	1.48	1.34
2	2F	216	ASN	C-N	11.48	1.48	1.34
1	2M	40	SER	CA-C	-11.48	1.38	1.52
1	22	40	SER	CA-C	-11.48	1.38	1.52
2	27	216	ASN	C-N	11.48	1.48	1.34
2	3F	216	ASN	C-N	11.48	1.48	1.34
1	3M	40	SER	CA-C	-11.48	1.38	1.52
2	3R	216	ASN	C-N	11.48	1.48	1.34
2	3V	216	ASN	C-N	11.48	1.48	1.34
2	3Z	216	ASN	C-N	11.48	1.48	1.34
1	36	40	SER	CA-C	-11.48	1.38	1.52
2	4B	216	ASN	C-N	11.48	1.48	1.34
1	4I	40	SER	CA-C	-11.48	1.38	1.52
2	4N	216	ASN	C-N	11.48	1.48	1.34
1	4Q	40	SER	CA-C	-11.48	1.38	1.52
2	4V	216	ASN	C-N	11.48	1.48	1.34
2	5F	216	ASN	C-N	11.48	1.48	1.34
2	5J	216	ASN	C-N	11.48	1.48	1.34
2	5N	216	ASN	C-N	11.48	1.48	1.34
2	5R	216	ASN	C-N	11.48	1.48	1.34
1	5Y	40	SER	CA-C	-11.48	1.38	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	40	SER	CA-C	-11.48	1.38	1.52
2	6J	216	ASN	C-N	11.48	1.48	1.34
2	6R	216	ASN	C-N	11.48	1.48	1.34
1	6Y	40	SER	CA-C	-11.48	1.38	1.52
2	63	216	ASN	C-N	11.48	1.48	1.34
2	67	216	ASN	C-N	11.48	1.48	1.34
2	7B	216	ASN	C-N	11.48	1.48	1.34
1	7I	40	SER	CA-C	-11.48	1.38	1.52
2	7N	216	ASN	C-N	11.48	1.48	1.34
1	7U	40	SER	CA-C	-11.48	1.38	1.52
2	1R	46	TYR	CG-CD2	-11.48	1.15	1.39
2	1V	46	TYR	CG-CD2	-11.48	1.15	1.39
2	1Z	46	TYR	CG-CD2	-11.48	1.15	1.39
2	2R	46	TYR	CG-CD2	-11.48	1.15	1.39
2	2V	46	TYR	CG-CD2	-11.48	1.15	1.39
2	2Z	46	TYR	CG-CD2	-11.48	1.15	1.39
2	43	46	TYR	CG-CD2	-11.48	1.15	1.39
2	47	46	TYR	CG-CD2	-11.48	1.15	1.39
2	5B	46	TYR	CG-CD2	-11.48	1.15	1.39
2	53	46	TYR	CG-CD2	-11.48	1.15	1.39
2	57	46	TYR	CG-CD2	-11.48	1.15	1.39
2	6B	46	TYR	CG-CD2	-11.48	1.15	1.39
1	1A	153	SER	CA-C	11.47	1.77	1.52
2	1F	46	TYR	CG-CD2	-11.47	1.15	1.39
1	1I	153	SER	CA-C	11.47	1.77	1.52
1	1M	154	SER	CB-OG	-11.47	1.19	1.42
1	1Q	153	SER	CA-C	11.47	1.77	1.52
1	1U	153	SER	CA-C	11.47	1.77	1.52
1	1Y	153	SER	CA-C	11.47	1.77	1.52
1	2E	153	SER	CA-C	11.47	1.77	1.52
1	2I	154	SER	CB-OG	-11.47	1.19	1.42
2	2N	46	TYR	CG-CD2	-11.47	1.15	1.39
1	2Q	153	SER	CA-C	11.47	1.77	1.52
1	2U	153	SER	CA-C	11.47	1.77	1.52
1	2Y	153	SER	CA-C	11.47	1.77	1.52
2	23	46	TYR	CG-CD2	-11.47	1.15	1.39
1	26	153	SER	CA-C	11.47	1.77	1.52
1	3A	154	SER	CB-OG	-11.47	1.19	1.42
1	3E	153	SER	CA-C	11.47	1.77	1.52
1	3I	154	SER	CB-OG	-11.47	1.19	1.42
2	3N	46	TYR	CG-CD2	-11.47	1.15	1.39
1	32	154	SER	CB-OG	-11.47	1.19	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	37	46	TYR	CG-CD2	-11.47	1.15	1.39
1	4A	153	SER	CA-C	11.47	1.77	1.52
1	4E	154	SER	CB-OG	-11.47	1.19	1.42
2	4J	46	TYR	CG-CD2	-11.47	1.15	1.39
1	4M	153	SER	CA-C	11.47	1.77	1.52
2	4R	46	TYR	CG-CD2	-11.47	1.15	1.39
1	4U	153	SER	CA-C	11.47	1.77	1.52
1	4Y	154	SER	CB-OG	-11.47	1.19	1.42
1	42	153	SER	CA-C	11.47	1.77	1.52
1	46	153	SER	CA-C	11.47	1.77	1.52
1	5A	153	SER	CA-C	11.47	1.77	1.52
1	5Q	153	SER	CA-C	11.47	1.77	1.52
1	5U	154	SER	CB-OG	-11.47	1.19	1.42
2	5Z	46	TYR	CG-CD2	-11.47	1.15	1.39
1	52	153	SER	CA-C	11.47	1.77	1.52
1	56	153	SER	CA-C	11.47	1.77	1.52
1	6A	153	SER	CA-C	11.47	1.77	1.52
2	6F	46	TYR	CG-CD2	-11.47	1.15	1.39
1	6I	153	SER	CA-C	11.47	1.77	1.52
1	6M	154	SER	CB-OG	-11.47	1.19	1.42
1	6Q	153	SER	CA-C	11.47	1.77	1.52
1	6U	154	SER	CB-OG	-11.47	1.19	1.42
2	6Z	46	TYR	CG-CD2	-11.47	1.15	1.39
1	7E	154	SER	CB-OG	-11.47	1.19	1.42
2	7J	46	TYR	CG-CD2	-11.47	1.15	1.39
1	7M	153	SER	CA-C	11.47	1.77	1.52
1	7Q	154	SER	CB-OG	-11.47	1.19	1.42
2	7V	46	TYR	CG-CD2	-11.47	1.15	1.39
2	1R	36	SER	C-N	-11.46	1.17	1.33
2	1V	36	SER	C-N	-11.46	1.17	1.33
2	1Z	36	SER	C-N	-11.46	1.17	1.33
2	2R	36	SER	C-N	-11.46	1.17	1.33
2	2V	36	SER	C-N	-11.46	1.17	1.33
2	2Z	36	SER	C-N	-11.46	1.17	1.33
2	43	36	SER	C-N	-11.46	1.17	1.33
2	47	36	SER	C-N	-11.46	1.17	1.33
2	5B	36	SER	C-N	-11.46	1.17	1.33
2	53	36	SER	C-N	-11.46	1.17	1.33
2	57	36	SER	C-N	-11.46	1.17	1.33
2	6B	36	SER	C-N	-11.46	1.17	1.33
2	1N	36	SER	C-N	-11.46	1.17	1.33
1	1Q	145	LEU	CA-CB	11.46	1.72	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1U	145	LEU	CA-CB	11.46	1.72	1.53
1	1Y	145	LEU	CA-CB	11.46	1.72	1.53
2	2J	36	SER	C-N	-11.46	1.17	1.33
1	2Q	145	LEU	CA-CB	11.46	1.72	1.53
1	2U	145	LEU	CA-CB	11.46	1.72	1.53
1	2Y	145	LEU	CA-CB	11.46	1.72	1.53
2	3B	36	SER	C-N	-11.46	1.17	1.33
2	3J	36	SER	C-N	-11.46	1.17	1.33
2	33	36	SER	C-N	-11.46	1.17	1.33
2	4F	36	SER	C-N	-11.46	1.17	1.33
2	4Z	36	SER	C-N	-11.46	1.17	1.33
1	42	145	LEU	CA-CB	11.46	1.72	1.53
1	46	145	LEU	CA-CB	11.46	1.72	1.53
1	5A	145	LEU	CA-CB	11.46	1.72	1.53
2	5V	36	SER	C-N	-11.46	1.17	1.33
1	52	145	LEU	CA-CB	11.46	1.72	1.53
1	56	145	LEU	CA-CB	11.46	1.72	1.53
1	6A	145	LEU	CA-CB	11.46	1.72	1.53
2	6N	36	SER	C-N	-11.46	1.17	1.33
2	6V	36	SER	C-N	-11.46	1.17	1.33
2	7F	36	SER	C-N	-11.46	1.17	1.33
2	7R	36	SER	C-N	-11.46	1.17	1.33
2	1B	46	TYR	CG-CD2	-11.46	1.15	1.39
2	1J	46	TYR	CG-CD2	-11.46	1.15	1.39
1	1Q	154	SER	N-CA	-11.46	1.26	1.46
1	1U	154	SER	N-CA	-11.46	1.26	1.46
1	1Y	154	SER	N-CA	-11.46	1.26	1.46
2	2F	46	TYR	CG-CD2	-11.46	1.15	1.39
1	2Q	154	SER	N-CA	-11.46	1.26	1.46
1	2U	154	SER	N-CA	-11.46	1.26	1.46
1	2Y	154	SER	N-CA	-11.46	1.26	1.46
2	27	46	TYR	CG-CD2	-11.46	1.15	1.39
2	3F	46	TYR	CG-CD2	-11.46	1.15	1.39
2	4B	46	TYR	CG-CD2	-11.46	1.15	1.39
2	4N	46	TYR	CG-CD2	-11.46	1.15	1.39
2	4V	46	TYR	CG-CD2	-11.46	1.15	1.39
1	42	154	SER	N-CA	-11.46	1.26	1.46
1	46	154	SER	N-CA	-11.46	1.26	1.46
1	5A	154	SER	N-CA	-11.46	1.26	1.46
2	5R	46	TYR	CG-CD2	-11.46	1.15	1.39
1	52	154	SER	N-CA	-11.46	1.26	1.46
1	56	154	SER	N-CA	-11.46	1.26	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6A	154	SER	N-CA	-11.46	1.26	1.46
2	6J	46	TYR	CG-CD2	-11.46	1.15	1.39
2	6R	46	TYR	CG-CD2	-11.46	1.15	1.39
2	7N	46	TYR	CG-CD2	-11.46	1.15	1.39
1	1Q	40	SER	CA-C	-11.45	1.38	1.52
1	1U	40	SER	CA-C	-11.45	1.38	1.52
1	1Y	40	SER	CA-C	-11.45	1.38	1.52
1	2Q	40	SER	CA-C	-11.45	1.38	1.52
1	2U	40	SER	CA-C	-11.45	1.38	1.52
1	2Y	40	SER	CA-C	-11.45	1.38	1.52
1	42	40	SER	CA-C	-11.45	1.38	1.52
1	46	40	SER	CA-C	-11.45	1.38	1.52
1	5A	40	SER	CA-C	-11.45	1.38	1.52
1	52	40	SER	CA-C	-11.45	1.38	1.52
1	56	40	SER	CA-C	-11.45	1.38	1.52
1	6A	40	SER	CA-C	-11.45	1.38	1.52
2	1N	46	TYR	CG-CD2	-11.45	1.15	1.39
1	1Q	154	SER	CB-OG	-11.45	1.19	1.42
1	1U	154	SER	CB-OG	-11.45	1.19	1.42
1	1Y	154	SER	CB-OG	-11.45	1.19	1.42
2	2J	46	TYR	CG-CD2	-11.45	1.15	1.39
1	2Q	154	SER	CB-OG	-11.45	1.19	1.42
1	2U	154	SER	CB-OG	-11.45	1.19	1.42
1	2Y	154	SER	CB-OG	-11.45	1.19	1.42
2	3B	46	TYR	CG-CD2	-11.45	1.15	1.39
2	3J	46	TYR	CG-CD2	-11.45	1.15	1.39
2	33	46	TYR	CG-CD2	-11.45	1.15	1.39
2	4F	46	TYR	CG-CD2	-11.45	1.15	1.39
2	4Z	46	TYR	CG-CD2	-11.45	1.15	1.39
1	42	154	SER	CB-OG	-11.45	1.19	1.42
1	46	154	SER	CB-OG	-11.45	1.19	1.42
1	5A	154	SER	CB-OG	-11.45	1.19	1.42
2	5V	46	TYR	CG-CD2	-11.45	1.15	1.39
1	52	154	SER	CB-OG	-11.45	1.19	1.42
1	56	154	SER	CB-OG	-11.45	1.19	1.42
1	6A	154	SER	CB-OG	-11.45	1.19	1.42
2	6N	46	TYR	CG-CD2	-11.45	1.15	1.39
2	6V	46	TYR	CG-CD2	-11.45	1.15	1.39
2	7F	46	TYR	CG-CD2	-11.45	1.15	1.39
2	7R	46	TYR	CG-CD2	-11.45	1.15	1.39
1	1A	154	SER	N-CA	-11.45	1.26	1.46
2	1F	36	SER	C-N	-11.45	1.17	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1I	154	SER	N-CA	-11.45	1.26	1.46
1	2E	154	SER	N-CA	-11.45	1.26	1.46
2	2N	36	SER	C-N	-11.45	1.17	1.33
2	23	36	SER	C-N	-11.45	1.17	1.33
1	26	154	SER	N-CA	-11.45	1.26	1.46
1	3E	154	SER	N-CA	-11.45	1.26	1.46
2	3N	36	SER	C-N	-11.45	1.17	1.33
2	37	36	SER	C-N	-11.45	1.17	1.33
1	4A	154	SER	N-CA	-11.45	1.26	1.46
2	4J	36	SER	C-N	-11.45	1.17	1.33
1	4M	154	SER	N-CA	-11.45	1.26	1.46
2	4R	36	SER	C-N	-11.45	1.17	1.33
1	4U	154	SER	N-CA	-11.45	1.26	1.46
1	5Q	154	SER	N-CA	-11.45	1.26	1.46
2	5Z	36	SER	C-N	-11.45	1.17	1.33
2	6F	36	SER	C-N	-11.45	1.17	1.33
1	6I	154	SER	N-CA	-11.45	1.26	1.46
1	6Q	154	SER	N-CA	-11.45	1.26	1.46
2	6Z	36	SER	C-N	-11.45	1.17	1.33
2	7J	36	SER	C-N	-11.45	1.17	1.33
1	7M	154	SER	N-CA	-11.45	1.26	1.46
2	7V	36	SER	C-N	-11.45	1.17	1.33
2	13	46	TYR	CG-CD2	-11.44	1.15	1.39
2	17	46	TYR	CG-CD2	-11.44	1.15	1.39
2	2B	46	TYR	CG-CD2	-11.44	1.15	1.39
2	3R	46	TYR	CG-CD2	-11.44	1.15	1.39
2	3V	46	TYR	CG-CD2	-11.44	1.15	1.39
2	3Z	46	TYR	CG-CD2	-11.44	1.15	1.39
2	5F	46	TYR	CG-CD2	-11.44	1.15	1.39
2	5J	46	TYR	CG-CD2	-11.44	1.15	1.39
2	5N	46	TYR	CG-CD2	-11.44	1.15	1.39
2	63	46	TYR	CG-CD2	-11.44	1.15	1.39
2	67	46	TYR	CG-CD2	-11.44	1.15	1.39
2	7B	46	TYR	CG-CD2	-11.44	1.15	1.39
1	1A	154	SER	CB-OG	-11.44	1.19	1.42
1	1E	153	SER	CA-C	11.44	1.76	1.52
1	1I	154	SER	CB-OG	-11.44	1.19	1.42
1	2E	154	SER	CB-OG	-11.44	1.19	1.42
1	2M	153	SER	CA-C	11.44	1.76	1.52
1	22	153	SER	CA-C	11.44	1.76	1.52
1	26	154	SER	CB-OG	-11.44	1.19	1.42
1	3E	154	SER	CB-OG	-11.44	1.19	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3M	153	SER	CA-C	11.44	1.76	1.52
1	36	153	SER	CA-C	11.44	1.76	1.52
1	4A	154	SER	CB-OG	-11.44	1.19	1.42
1	4I	153	SER	CA-C	11.44	1.76	1.52
1	4M	154	SER	CB-OG	-11.44	1.19	1.42
1	4Q	153	SER	CA-C	11.44	1.76	1.52
1	4U	154	SER	CB-OG	-11.44	1.19	1.42
1	5Q	154	SER	CB-OG	-11.44	1.19	1.42
1	5Y	153	SER	CA-C	11.44	1.76	1.52
1	6E	153	SER	CA-C	11.44	1.76	1.52
1	6I	154	SER	CB-OG	-11.44	1.19	1.42
1	6Q	154	SER	CB-OG	-11.44	1.19	1.42
1	6Y	153	SER	CA-C	11.44	1.76	1.52
1	7I	153	SER	CA-C	11.44	1.76	1.52
1	7M	154	SER	CB-OG	-11.44	1.19	1.42
1	7U	153	SER	CA-C	11.44	1.76	1.52
1	1A	40	SER	CA-C	-11.44	1.38	1.52
1	1I	40	SER	CA-C	-11.44	1.38	1.52
1	1M	40	SER	CA-C	-11.44	1.38	1.52
1	2E	40	SER	CA-C	-11.44	1.38	1.52
1	2I	40	SER	CA-C	-11.44	1.38	1.52
1	26	40	SER	CA-C	-11.44	1.38	1.52
1	3A	40	SER	CA-C	-11.44	1.38	1.52
1	3E	40	SER	CA-C	-11.44	1.38	1.52
1	3I	40	SER	CA-C	-11.44	1.38	1.52
1	32	40	SER	CA-C	-11.44	1.38	1.52
1	4A	40	SER	CA-C	-11.44	1.38	1.52
1	4E	40	SER	CA-C	-11.44	1.38	1.52
1	4M	40	SER	CA-C	-11.44	1.38	1.52
1	4U	40	SER	CA-C	-11.44	1.38	1.52
1	4Y	40	SER	CA-C	-11.44	1.38	1.52
1	5Q	40	SER	CA-C	-11.44	1.38	1.52
1	5U	40	SER	CA-C	-11.44	1.38	1.52
1	6I	40	SER	CA-C	-11.44	1.38	1.52
1	6M	40	SER	CA-C	-11.44	1.38	1.52
1	6Q	40	SER	CA-C	-11.44	1.38	1.52
1	6U	40	SER	CA-C	-11.44	1.38	1.52
1	7E	40	SER	CA-C	-11.44	1.38	1.52
1	7M	40	SER	CA-C	-11.44	1.38	1.52
1	7Q	40	SER	CA-C	-11.44	1.38	1.52
2	1F	79	VAL	C-N	-11.44	1.18	1.33
2	2N	79	VAL	C-N	-11.44	1.18	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	79	VAL	C-N	-11.44	1.18	1.33
2	3N	79	VAL	C-N	-11.44	1.18	1.33
2	37	79	VAL	C-N	-11.44	1.18	1.33
2	4J	79	VAL	C-N	-11.44	1.18	1.33
2	4R	79	VAL	C-N	-11.44	1.18	1.33
2	5Z	79	VAL	C-N	-11.44	1.18	1.33
2	6F	79	VAL	C-N	-11.44	1.18	1.33
2	6Z	79	VAL	C-N	-11.44	1.18	1.33
2	7J	79	VAL	C-N	-11.44	1.18	1.33
2	7V	79	VAL	C-N	-11.44	1.18	1.33
1	1E	154	SER	CB-OG	-11.43	1.19	1.42
1	12	153	SER	CA-C	11.43	1.76	1.52
1	16	153	SER	CA-C	11.43	1.76	1.52
1	2A	153	SER	CA-C	11.43	1.76	1.52
1	2M	154	SER	CB-OG	-11.43	1.19	1.42
1	22	154	SER	CB-OG	-11.43	1.19	1.42
1	3M	154	SER	CB-OG	-11.43	1.19	1.42
1	3Q	153	SER	CA-C	11.43	1.76	1.52
1	3U	153	SER	CA-C	11.43	1.76	1.52
1	3Y	153	SER	CA-C	11.43	1.76	1.52
1	36	154	SER	CB-OG	-11.43	1.19	1.42
1	4I	154	SER	CB-OG	-11.43	1.19	1.42
1	4Q	154	SER	CB-OG	-11.43	1.19	1.42
1	5E	153	SER	CA-C	11.43	1.76	1.52
1	5I	153	SER	CA-C	11.43	1.76	1.52
1	5M	153	SER	CA-C	11.43	1.76	1.52
1	5Y	154	SER	CB-OG	-11.43	1.19	1.42
1	6E	154	SER	CB-OG	-11.43	1.19	1.42
1	6Y	154	SER	CB-OG	-11.43	1.19	1.42
1	62	153	SER	CA-C	11.43	1.76	1.52
1	66	153	SER	CA-C	11.43	1.76	1.52
1	7A	153	SER	CA-C	11.43	1.76	1.52
1	7I	154	SER	CB-OG	-11.43	1.19	1.42
1	7U	154	SER	CB-OG	-11.43	1.19	1.42
1	1M	182	PHE	CE2-CZ	11.43	1.73	1.38
1	2I	182	PHE	CE2-CZ	11.43	1.73	1.38
1	3A	182	PHE	CE2-CZ	11.43	1.73	1.38
1	3I	182	PHE	CE2-CZ	11.43	1.73	1.38
1	32	182	PHE	CE2-CZ	11.43	1.73	1.38
1	4E	182	PHE	CE2-CZ	11.43	1.73	1.38
1	4Y	182	PHE	CE2-CZ	11.43	1.73	1.38
1	5U	182	PHE	CE2-CZ	11.43	1.73	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	182	PHE	CE2-CZ	11.43	1.73	1.38
1	6U	182	PHE	CE2-CZ	11.43	1.73	1.38
1	7E	182	PHE	CE2-CZ	11.43	1.73	1.38
1	7Q	182	PHE	CE2-CZ	11.43	1.73	1.38
1	1E	182	PHE	CE2-CZ	11.42	1.73	1.38
2	1N	79	VAL	C-N	-11.42	1.18	1.33
2	2J	79	VAL	C-N	-11.42	1.18	1.33
1	2M	182	PHE	CE2-CZ	11.42	1.73	1.38
1	22	182	PHE	CE2-CZ	11.42	1.73	1.38
2	3B	79	VAL	C-N	-11.42	1.18	1.33
2	3J	79	VAL	C-N	-11.42	1.18	1.33
1	3M	182	PHE	CE2-CZ	11.42	1.73	1.38
2	33	79	VAL	C-N	-11.42	1.18	1.33
1	36	182	PHE	CE2-CZ	11.42	1.73	1.38
2	4F	79	VAL	C-N	-11.42	1.18	1.33
1	4I	182	PHE	CE2-CZ	11.42	1.73	1.38
1	4Q	182	PHE	CE2-CZ	11.42	1.73	1.38
2	4Z	79	VAL	C-N	-11.42	1.18	1.33
2	5V	79	VAL	C-N	-11.42	1.18	1.33
1	5Y	182	PHE	CE2-CZ	11.42	1.73	1.38
1	6E	182	PHE	CE2-CZ	11.42	1.73	1.38
2	6N	79	VAL	C-N	-11.42	1.18	1.33
2	6V	79	VAL	C-N	-11.42	1.18	1.33
1	6Y	182	PHE	CE2-CZ	11.42	1.73	1.38
2	7F	79	VAL	C-N	-11.42	1.18	1.33
1	7I	182	PHE	CE2-CZ	11.42	1.73	1.38
2	7R	79	VAL	C-N	-11.42	1.18	1.33
1	7U	182	PHE	CE2-CZ	11.42	1.73	1.38
1	1Q	182	PHE	CE2-CZ	11.41	1.72	1.38
1	1U	182	PHE	CE2-CZ	11.41	1.72	1.38
1	1Y	182	PHE	CE2-CZ	11.41	1.72	1.38
1	2Q	182	PHE	CE2-CZ	11.41	1.72	1.38
1	2U	182	PHE	CE2-CZ	11.41	1.72	1.38
1	2Y	182	PHE	CE2-CZ	11.41	1.72	1.38
1	42	182	PHE	CE2-CZ	11.41	1.72	1.38
1	46	182	PHE	CE2-CZ	11.41	1.72	1.38
1	5A	182	PHE	CE2-CZ	11.41	1.72	1.38
1	52	182	PHE	CE2-CZ	11.41	1.72	1.38
1	56	182	PHE	CE2-CZ	11.41	1.72	1.38
1	6A	182	PHE	CE2-CZ	11.41	1.72	1.38
2	1B	79	VAL	C-N	-11.41	1.18	1.33
2	1J	79	VAL	C-N	-11.41	1.18	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	79	VAL	C-N	-11.41	1.18	1.33
2	27	79	VAL	C-N	-11.41	1.18	1.33
2	3F	79	VAL	C-N	-11.41	1.18	1.33
2	4B	79	VAL	C-N	-11.41	1.18	1.33
2	4N	79	VAL	C-N	-11.41	1.18	1.33
2	4V	79	VAL	C-N	-11.41	1.18	1.33
2	5R	79	VAL	C-N	-11.41	1.18	1.33
2	6J	79	VAL	C-N	-11.41	1.18	1.33
2	6R	79	VAL	C-N	-11.41	1.18	1.33
2	7N	79	VAL	C-N	-11.41	1.18	1.33
1	12	40	SER	CA-C	-11.41	1.38	1.52
1	16	40	SER	CA-C	-11.41	1.38	1.52
1	2A	40	SER	CA-C	-11.41	1.38	1.52
1	3Q	40	SER	CA-C	-11.41	1.38	1.52
1	3U	40	SER	CA-C	-11.41	1.38	1.52
1	3Y	40	SER	CA-C	-11.41	1.38	1.52
1	5E	40	SER	CA-C	-11.41	1.38	1.52
1	5I	40	SER	CA-C	-11.41	1.38	1.52
1	5M	40	SER	CA-C	-11.41	1.38	1.52
1	62	40	SER	CA-C	-11.41	1.38	1.52
1	66	40	SER	CA-C	-11.41	1.38	1.52
1	7A	40	SER	CA-C	-11.41	1.38	1.52
1	12	182	PHE	CE2-CZ	11.40	1.72	1.38
1	16	182	PHE	CE2-CZ	11.40	1.72	1.38
1	2A	182	PHE	CE2-CZ	11.40	1.72	1.38
1	3Q	182	PHE	CE2-CZ	11.40	1.72	1.38
1	3U	182	PHE	CE2-CZ	11.40	1.72	1.38
1	3Y	182	PHE	CE2-CZ	11.40	1.72	1.38
1	5E	182	PHE	CE2-CZ	11.40	1.72	1.38
1	5I	182	PHE	CE2-CZ	11.40	1.72	1.38
1	5M	182	PHE	CE2-CZ	11.40	1.72	1.38
1	62	182	PHE	CE2-CZ	11.40	1.72	1.38
1	66	182	PHE	CE2-CZ	11.40	1.72	1.38
1	7A	182	PHE	CE2-CZ	11.40	1.72	1.38
1	1A	182	PHE	CE2-CZ	11.40	1.72	1.38
1	1I	182	PHE	CE2-CZ	11.40	1.72	1.38
1	2E	182	PHE	CE2-CZ	11.40	1.72	1.38
1	26	182	PHE	CE2-CZ	11.40	1.72	1.38
1	3E	182	PHE	CE2-CZ	11.40	1.72	1.38
1	4A	182	PHE	CE2-CZ	11.40	1.72	1.38
1	4M	182	PHE	CE2-CZ	11.40	1.72	1.38
1	4U	182	PHE	CE2-CZ	11.40	1.72	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	182	PHE	CE2-CZ	11.40	1.72	1.38
1	6I	182	PHE	CE2-CZ	11.40	1.72	1.38
1	6Q	182	PHE	CE2-CZ	11.40	1.72	1.38
1	7M	182	PHE	CE2-CZ	11.40	1.72	1.38
2	1R	79	VAL	C-N	-11.39	1.18	1.33
2	1V	79	VAL	C-N	-11.39	1.18	1.33
2	1Z	79	VAL	C-N	-11.39	1.18	1.33
2	13	79	VAL	C-N	-11.39	1.18	1.33
2	17	79	VAL	C-N	-11.39	1.18	1.33
2	2B	79	VAL	C-N	-11.39	1.18	1.33
2	2R	79	VAL	C-N	-11.39	1.18	1.33
2	2V	79	VAL	C-N	-11.39	1.18	1.33
2	2Z	79	VAL	C-N	-11.39	1.18	1.33
2	3R	79	VAL	C-N	-11.39	1.18	1.33
2	3V	79	VAL	C-N	-11.39	1.18	1.33
2	3Z	79	VAL	C-N	-11.39	1.18	1.33
2	43	79	VAL	C-N	-11.39	1.18	1.33
2	47	79	VAL	C-N	-11.39	1.18	1.33
2	5B	79	VAL	C-N	-11.39	1.18	1.33
2	5F	79	VAL	C-N	-11.39	1.18	1.33
2	5J	79	VAL	C-N	-11.39	1.18	1.33
2	5N	79	VAL	C-N	-11.39	1.18	1.33
2	53	79	VAL	C-N	-11.39	1.18	1.33
2	57	79	VAL	C-N	-11.39	1.18	1.33
2	6B	79	VAL	C-N	-11.39	1.18	1.33
2	63	79	VAL	C-N	-11.39	1.18	1.33
2	67	79	VAL	C-N	-11.39	1.18	1.33
2	7B	79	VAL	C-N	-11.39	1.18	1.33
1	1M	8	LEU	CA-CB	11.38	1.71	1.53
1	2I	8	LEU	CA-CB	11.38	1.71	1.53
1	3A	8	LEU	CA-CB	11.38	1.71	1.53
1	3I	8	LEU	CA-CB	11.38	1.71	1.53
1	32	8	LEU	CA-CB	11.38	1.71	1.53
1	4E	8	LEU	CA-CB	11.38	1.71	1.53
1	4Y	8	LEU	CA-CB	11.38	1.71	1.53
1	5U	8	LEU	CA-CB	11.38	1.71	1.53
1	6M	8	LEU	CA-CB	11.38	1.71	1.53
1	6U	8	LEU	CA-CB	11.38	1.71	1.53
1	7E	8	LEU	CA-CB	11.38	1.71	1.53
1	7Q	8	LEU	CA-CB	11.38	1.71	1.53
2	13	28	THR	CA-CB	11.38	1.72	1.53
2	17	28	THR	CA-CB	11.38	1.72	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	28	THR	CA-CB	11.38	1.72	1.53
2	3R	28	THR	CA-CB	11.38	1.72	1.53
2	3V	28	THR	CA-CB	11.38	1.72	1.53
2	3Z	28	THR	CA-CB	11.38	1.72	1.53
2	5F	28	THR	CA-CB	11.38	1.72	1.53
2	5J	28	THR	CA-CB	11.38	1.72	1.53
2	5N	28	THR	CA-CB	11.38	1.72	1.53
2	63	28	THR	CA-CB	11.38	1.72	1.53
2	67	28	THR	CA-CB	11.38	1.72	1.53
2	7B	28	THR	CA-CB	11.38	1.72	1.53
1	1E	154	SER	N-CA	-11.38	1.26	1.46
1	2M	154	SER	N-CA	-11.38	1.26	1.46
1	22	154	SER	N-CA	-11.38	1.26	1.46
1	3M	154	SER	N-CA	-11.38	1.26	1.46
1	36	154	SER	N-CA	-11.38	1.26	1.46
1	4I	154	SER	N-CA	-11.38	1.26	1.46
1	4Q	154	SER	N-CA	-11.38	1.26	1.46
1	5Y	154	SER	N-CA	-11.38	1.26	1.46
1	6E	154	SER	N-CA	-11.38	1.26	1.46
1	6Y	154	SER	N-CA	-11.38	1.26	1.46
1	7I	154	SER	N-CA	-11.38	1.26	1.46
1	7U	154	SER	N-CA	-11.38	1.26	1.46
1	1Q	8	LEU	CA-CB	11.37	1.71	1.53
1	1U	8	LEU	CA-CB	11.37	1.71	1.53
1	1Y	8	LEU	CA-CB	11.37	1.71	1.53
1	2Q	8	LEU	CA-CB	11.37	1.71	1.53
1	2U	8	LEU	CA-CB	11.37	1.71	1.53
1	2Y	8	LEU	CA-CB	11.37	1.71	1.53
1	42	8	LEU	CA-CB	11.37	1.71	1.53
1	46	8	LEU	CA-CB	11.37	1.71	1.53
1	5A	8	LEU	CA-CB	11.37	1.71	1.53
1	52	8	LEU	CA-CB	11.37	1.71	1.53
1	56	8	LEU	CA-CB	11.37	1.71	1.53
1	6A	8	LEU	CA-CB	11.37	1.71	1.53
1	1E	8	LEU	CA-CB	11.37	1.71	1.53
1	2M	8	LEU	CA-CB	11.37	1.71	1.53
1	22	8	LEU	CA-CB	11.37	1.71	1.53
1	3M	8	LEU	CA-CB	11.37	1.71	1.53
1	36	8	LEU	CA-CB	11.37	1.71	1.53
1	4I	8	LEU	CA-CB	11.37	1.71	1.53
1	4Q	8	LEU	CA-CB	11.37	1.71	1.53
1	5Y	8	LEU	CA-CB	11.37	1.71	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	8	LEU	CA-CB	11.37	1.71	1.53
1	6Y	8	LEU	CA-CB	11.37	1.71	1.53
1	7I	8	LEU	CA-CB	11.37	1.71	1.53
1	7U	8	LEU	CA-CB	11.37	1.71	1.53
2	1F	28	THR	CA-CB	11.36	1.72	1.53
2	1R	28	THR	CA-CB	11.36	1.72	1.53
2	1V	28	THR	CA-CB	11.36	1.72	1.53
2	1Z	28	THR	CA-CB	11.36	1.72	1.53
2	2N	28	THR	CA-CB	11.36	1.72	1.53
2	2R	28	THR	CA-CB	11.36	1.72	1.53
2	2V	28	THR	CA-CB	11.36	1.72	1.53
2	2Z	28	THR	CA-CB	11.36	1.72	1.53
2	23	28	THR	CA-CB	11.36	1.72	1.53
2	3N	28	THR	CA-CB	11.36	1.72	1.53
2	37	28	THR	CA-CB	11.36	1.72	1.53
2	4J	28	THR	CA-CB	11.36	1.72	1.53
2	4R	28	THR	CA-CB	11.36	1.72	1.53
2	43	28	THR	CA-CB	11.36	1.72	1.53
2	47	28	THR	CA-CB	11.36	1.72	1.53
2	5B	28	THR	CA-CB	11.36	1.72	1.53
2	5Z	28	THR	CA-CB	11.36	1.72	1.53
2	53	28	THR	CA-CB	11.36	1.72	1.53
2	57	28	THR	CA-CB	11.36	1.72	1.53
2	6B	28	THR	CA-CB	11.36	1.72	1.53
2	6F	28	THR	CA-CB	11.36	1.72	1.53
2	6Z	28	THR	CA-CB	11.36	1.72	1.53
2	7J	28	THR	CA-CB	11.36	1.72	1.53
2	7V	28	THR	CA-CB	11.36	1.72	1.53
1	1A	8	LEU	CA-CB	11.35	1.71	1.53
2	1B	28	THR	CA-CB	11.35	1.72	1.53
1	1I	8	LEU	CA-CB	11.35	1.71	1.53
2	1J	28	THR	CA-CB	11.35	1.72	1.53
1	2E	8	LEU	CA-CB	11.35	1.71	1.53
2	2F	28	THR	CA-CB	11.35	1.72	1.53
1	26	8	LEU	CA-CB	11.35	1.71	1.53
2	27	28	THR	CA-CB	11.35	1.72	1.53
1	3E	8	LEU	CA-CB	11.35	1.71	1.53
2	3F	28	THR	CA-CB	11.35	1.72	1.53
1	4A	8	LEU	CA-CB	11.35	1.71	1.53
2	4B	28	THR	CA-CB	11.35	1.72	1.53
1	4M	8	LEU	CA-CB	11.35	1.71	1.53
2	4N	28	THR	CA-CB	11.35	1.72	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4U	8	LEU	CA-CB	11.35	1.71	1.53
2	4V	28	THR	CA-CB	11.35	1.72	1.53
1	5Q	8	LEU	CA-CB	11.35	1.71	1.53
2	5R	28	THR	CA-CB	11.35	1.72	1.53
1	6I	8	LEU	CA-CB	11.35	1.71	1.53
2	6J	28	THR	CA-CB	11.35	1.72	1.53
1	6Q	8	LEU	CA-CB	11.35	1.71	1.53
2	6R	28	THR	CA-CB	11.35	1.72	1.53
1	7M	8	LEU	CA-CB	11.35	1.71	1.53
2	7N	28	THR	CA-CB	11.35	1.72	1.53
1	1Q	83	GLY	N-CA	-11.34	1.34	1.45
1	1U	83	GLY	N-CA	-11.34	1.34	1.45
1	1Y	83	GLY	N-CA	-11.34	1.34	1.45
1	2Q	83	GLY	N-CA	-11.34	1.34	1.45
1	2U	83	GLY	N-CA	-11.34	1.34	1.45
1	2Y	83	GLY	N-CA	-11.34	1.34	1.45
1	42	83	GLY	N-CA	-11.34	1.34	1.45
1	46	83	GLY	N-CA	-11.34	1.34	1.45
1	5A	83	GLY	N-CA	-11.34	1.34	1.45
1	52	83	GLY	N-CA	-11.34	1.34	1.45
1	56	83	GLY	N-CA	-11.34	1.34	1.45
1	6A	83	GLY	N-CA	-11.34	1.34	1.45
2	1N	218	ARG	N-CA	11.34	1.60	1.46
1	12	8	LEU	CA-CB	11.34	1.71	1.53
2	13	218	ARG	N-CA	11.34	1.60	1.46
1	16	8	LEU	CA-CB	11.34	1.71	1.53
2	17	218	ARG	N-CA	11.34	1.60	1.46
1	2A	8	LEU	CA-CB	11.34	1.71	1.53
2	2B	218	ARG	N-CA	11.34	1.60	1.46
2	2J	218	ARG	N-CA	11.34	1.60	1.46
2	3B	218	ARG	N-CA	11.34	1.60	1.46
2	3J	218	ARG	N-CA	11.34	1.60	1.46
1	3Q	8	LEU	CA-CB	11.34	1.71	1.53
2	3R	218	ARG	N-CA	11.34	1.60	1.46
1	3U	8	LEU	CA-CB	11.34	1.71	1.53
2	3V	218	ARG	N-CA	11.34	1.60	1.46
1	3Y	8	LEU	CA-CB	11.34	1.71	1.53
2	3Z	218	ARG	N-CA	11.34	1.60	1.46
2	33	218	ARG	N-CA	11.34	1.60	1.46
2	4F	218	ARG	N-CA	11.34	1.60	1.46
2	4Z	218	ARG	N-CA	11.34	1.60	1.46
1	5E	8	LEU	CA-CB	11.34	1.71	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5F	218	ARG	N-CA	11.34	1.60	1.46
1	5I	8	LEU	CA-CB	11.34	1.71	1.53
2	5J	218	ARG	N-CA	11.34	1.60	1.46
1	5M	8	LEU	CA-CB	11.34	1.71	1.53
2	5N	218	ARG	N-CA	11.34	1.60	1.46
2	5V	218	ARG	N-CA	11.34	1.60	1.46
2	6N	218	ARG	N-CA	11.34	1.60	1.46
2	6V	218	ARG	N-CA	11.34	1.60	1.46
1	62	8	LEU	CA-CB	11.34	1.71	1.53
2	63	218	ARG	N-CA	11.34	1.60	1.46
1	66	8	LEU	CA-CB	11.34	1.71	1.53
2	67	218	ARG	N-CA	11.34	1.60	1.46
1	7A	8	LEU	CA-CB	11.34	1.71	1.53
2	7B	218	ARG	N-CA	11.34	1.60	1.46
2	7F	218	ARG	N-CA	11.34	1.60	1.46
2	7R	218	ARG	N-CA	11.34	1.60	1.46
2	1N	28	THR	CA-CB	11.33	1.72	1.53
2	2J	28	THR	CA-CB	11.33	1.72	1.53
2	3B	28	THR	CA-CB	11.33	1.72	1.53
2	3J	28	THR	CA-CB	11.33	1.72	1.53
2	33	28	THR	CA-CB	11.33	1.72	1.53
2	4F	28	THR	CA-CB	11.33	1.72	1.53
2	4Z	28	THR	CA-CB	11.33	1.72	1.53
2	5V	28	THR	CA-CB	11.33	1.72	1.53
2	6N	28	THR	CA-CB	11.33	1.72	1.53
2	6V	28	THR	CA-CB	11.33	1.72	1.53
2	7F	28	THR	CA-CB	11.33	1.72	1.53
2	7R	28	THR	CA-CB	11.33	1.72	1.53
2	1R	218	ARG	N-CA	11.33	1.60	1.46
2	1V	218	ARG	N-CA	11.33	1.60	1.46
2	1Z	218	ARG	N-CA	11.33	1.60	1.46
2	2R	218	ARG	N-CA	11.33	1.60	1.46
2	2V	218	ARG	N-CA	11.33	1.60	1.46
2	2Z	218	ARG	N-CA	11.33	1.60	1.46
2	43	218	ARG	N-CA	11.33	1.60	1.46
2	47	218	ARG	N-CA	11.33	1.60	1.46
2	5B	218	ARG	N-CA	11.33	1.60	1.46
2	53	218	ARG	N-CA	11.33	1.60	1.46
2	57	218	ARG	N-CA	11.33	1.60	1.46
2	6B	218	ARG	N-CA	11.33	1.60	1.46
2	1B	218	ARG	N-CA	11.33	1.60	1.46
2	1J	218	ARG	N-CA	11.33	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	218	ARG	N-CA	11.33	1.60	1.46
2	27	218	ARG	N-CA	11.33	1.60	1.46
2	3F	218	ARG	N-CA	11.33	1.60	1.46
2	4B	218	ARG	N-CA	11.33	1.60	1.46
2	4N	218	ARG	N-CA	11.33	1.60	1.46
2	4V	218	ARG	N-CA	11.33	1.60	1.46
2	5R	218	ARG	N-CA	11.33	1.60	1.46
2	6J	218	ARG	N-CA	11.33	1.60	1.46
2	6R	218	ARG	N-CA	11.33	1.60	1.46
2	7N	218	ARG	N-CA	11.33	1.60	1.46
1	1M	147	ARG	CD-NE	-11.32	1.30	1.46
1	2I	147	ARG	CD-NE	-11.32	1.30	1.46
1	3A	147	ARG	CD-NE	-11.32	1.30	1.46
1	3I	147	ARG	CD-NE	-11.32	1.30	1.46
1	32	147	ARG	CD-NE	-11.32	1.30	1.46
1	4E	147	ARG	CD-NE	-11.32	1.30	1.46
1	4Y	147	ARG	CD-NE	-11.32	1.30	1.46
1	5U	147	ARG	CD-NE	-11.32	1.30	1.46
1	6M	147	ARG	CD-NE	-11.32	1.30	1.46
1	6U	147	ARG	CD-NE	-11.32	1.30	1.46
1	7E	147	ARG	CD-NE	-11.32	1.30	1.46
1	7Q	147	ARG	CD-NE	-11.32	1.30	1.46
1	1A	83	GLY	N-CA	-11.32	1.34	1.45
1	1I	83	GLY	N-CA	-11.32	1.34	1.45
1	2E	83	GLY	N-CA	-11.32	1.34	1.45
1	26	83	GLY	N-CA	-11.32	1.34	1.45
1	3E	83	GLY	N-CA	-11.32	1.34	1.45
1	4A	83	GLY	N-CA	-11.32	1.34	1.45
1	4M	83	GLY	N-CA	-11.32	1.34	1.45
1	4U	83	GLY	N-CA	-11.32	1.34	1.45
1	5Q	83	GLY	N-CA	-11.32	1.34	1.45
1	6I	83	GLY	N-CA	-11.32	1.34	1.45
1	6Q	83	GLY	N-CA	-11.32	1.34	1.45
1	7M	83	GLY	N-CA	-11.32	1.34	1.45
1	1Q	180	VAL	CA-C	-11.31	1.38	1.52
1	1U	180	VAL	CA-C	-11.31	1.38	1.52
1	1Y	180	VAL	CA-C	-11.31	1.38	1.52
1	2Q	180	VAL	CA-C	-11.31	1.38	1.52
1	2U	180	VAL	CA-C	-11.31	1.38	1.52
1	2Y	180	VAL	CA-C	-11.31	1.38	1.52
1	42	180	VAL	CA-C	-11.31	1.38	1.52
1	46	180	VAL	CA-C	-11.31	1.38	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	180	VAL	CA-C	-11.31	1.38	1.52
1	52	180	VAL	CA-C	-11.31	1.38	1.52
1	56	180	VAL	CA-C	-11.31	1.38	1.52
1	6A	180	VAL	CA-C	-11.31	1.38	1.52
1	12	180	VAL	CA-C	-11.30	1.38	1.52
1	16	180	VAL	CA-C	-11.30	1.38	1.52
1	2A	180	VAL	CA-C	-11.30	1.38	1.52
1	3Q	180	VAL	CA-C	-11.30	1.38	1.52
1	3U	180	VAL	CA-C	-11.30	1.38	1.52
1	3Y	180	VAL	CA-C	-11.30	1.38	1.52
1	5E	180	VAL	CA-C	-11.30	1.38	1.52
1	5I	180	VAL	CA-C	-11.30	1.38	1.52
1	5M	180	VAL	CA-C	-11.30	1.38	1.52
1	62	180	VAL	CA-C	-11.30	1.38	1.52
1	66	180	VAL	CA-C	-11.30	1.38	1.52
1	7A	180	VAL	CA-C	-11.30	1.38	1.52
2	1F	218	ARG	N-CA	11.29	1.60	1.46
2	1N	67	THR	CA-C	11.29	1.66	1.52
1	12	147	ARG	CD-NE	-11.30	1.30	1.46
1	16	147	ARG	CD-NE	-11.30	1.30	1.46
1	2A	147	ARG	CD-NE	-11.30	1.30	1.46
2	2J	67	THR	CA-C	11.29	1.66	1.52
2	2N	218	ARG	N-CA	11.29	1.60	1.46
2	23	218	ARG	N-CA	11.29	1.60	1.46
2	3B	67	THR	CA-C	11.29	1.66	1.52
2	3J	67	THR	CA-C	11.29	1.66	1.52
2	3N	218	ARG	N-CA	11.29	1.60	1.46
1	3Q	147	ARG	CD-NE	-11.30	1.30	1.46
1	3U	147	ARG	CD-NE	-11.30	1.30	1.46
1	3Y	147	ARG	CD-NE	-11.30	1.30	1.46
2	33	67	THR	CA-C	11.29	1.66	1.52
2	37	218	ARG	N-CA	11.29	1.60	1.46
2	4F	67	THR	CA-C	11.29	1.66	1.52
2	4J	218	ARG	N-CA	11.29	1.60	1.46
2	4R	218	ARG	N-CA	11.29	1.60	1.46
2	4Z	67	THR	CA-C	11.29	1.66	1.52
1	5E	147	ARG	CD-NE	-11.30	1.30	1.46
1	5I	147	ARG	CD-NE	-11.30	1.30	1.46
1	5M	147	ARG	CD-NE	-11.30	1.30	1.46
2	5V	67	THR	CA-C	11.29	1.66	1.52
2	5Z	218	ARG	N-CA	11.29	1.60	1.46
2	6F	218	ARG	N-CA	11.29	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	67	THR	CA-C	11.29	1.66	1.52
2	6V	67	THR	CA-C	11.29	1.66	1.52
2	6Z	218	ARG	N-CA	11.29	1.60	1.46
1	62	147	ARG	CD-NE	-11.30	1.30	1.46
1	66	147	ARG	CD-NE	-11.30	1.30	1.46
1	7A	147	ARG	CD-NE	-11.30	1.30	1.46
2	7F	67	THR	CA-C	11.29	1.66	1.52
2	7J	218	ARG	N-CA	11.29	1.60	1.46
2	7R	67	THR	CA-C	11.29	1.66	1.52
2	7V	218	ARG	N-CA	11.29	1.60	1.46
1	1M	83	GLY	N-CA	-11.29	1.34	1.45
1	2I	83	GLY	N-CA	-11.29	1.34	1.45
1	3A	83	GLY	N-CA	-11.29	1.34	1.45
1	3I	83	GLY	N-CA	-11.29	1.34	1.45
1	32	83	GLY	N-CA	-11.29	1.34	1.45
1	4E	83	GLY	N-CA	-11.29	1.34	1.45
1	4Y	83	GLY	N-CA	-11.29	1.34	1.45
1	5U	83	GLY	N-CA	-11.29	1.34	1.45
1	6M	83	GLY	N-CA	-11.29	1.34	1.45
1	6U	83	GLY	N-CA	-11.29	1.34	1.45
1	7E	83	GLY	N-CA	-11.29	1.34	1.45
1	7Q	83	GLY	N-CA	-11.29	1.34	1.45
1	1E	147	ARG	CD-NE	-11.29	1.30	1.46
1	12	83	GLY	N-CA	-11.29	1.34	1.45
1	16	83	GLY	N-CA	-11.29	1.34	1.45
1	2A	83	GLY	N-CA	-11.29	1.34	1.45
1	2M	147	ARG	CD-NE	-11.29	1.30	1.46
1	22	147	ARG	CD-NE	-11.29	1.30	1.46
1	3M	147	ARG	CD-NE	-11.29	1.30	1.46
1	3Q	83	GLY	N-CA	-11.29	1.34	1.45
1	3U	83	GLY	N-CA	-11.29	1.34	1.45
1	3Y	83	GLY	N-CA	-11.29	1.34	1.45
1	36	147	ARG	CD-NE	-11.29	1.30	1.46
1	4I	147	ARG	CD-NE	-11.29	1.30	1.46
1	4Q	147	ARG	CD-NE	-11.29	1.30	1.46
1	5E	83	GLY	N-CA	-11.29	1.34	1.45
1	5I	83	GLY	N-CA	-11.29	1.34	1.45
1	5M	83	GLY	N-CA	-11.29	1.34	1.45
1	5Y	147	ARG	CD-NE	-11.29	1.30	1.46
1	6E	147	ARG	CD-NE	-11.29	1.30	1.46
1	6Y	147	ARG	CD-NE	-11.29	1.30	1.46
1	62	83	GLY	N-CA	-11.29	1.34	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	83	GLY	N-CA	-11.29	1.34	1.45
1	7A	83	GLY	N-CA	-11.29	1.34	1.45
1	7I	147	ARG	CD-NE	-11.29	1.30	1.46
1	7U	147	ARG	CD-NE	-11.29	1.30	1.46
1	1M	40	SER	CB-OG	-11.29	1.19	1.42
1	1M	180	VAL	CA-C	-11.29	1.38	1.52
1	2I	40	SER	CB-OG	-11.29	1.19	1.42
1	2I	180	VAL	CA-C	-11.29	1.38	1.52
1	3A	40	SER	CB-OG	-11.29	1.19	1.42
1	3A	180	VAL	CA-C	-11.29	1.38	1.52
1	3I	40	SER	CB-OG	-11.29	1.19	1.42
1	3I	180	VAL	CA-C	-11.29	1.38	1.52
1	32	40	SER	CB-OG	-11.29	1.19	1.42
1	32	180	VAL	CA-C	-11.29	1.38	1.52
1	4E	40	SER	CB-OG	-11.29	1.19	1.42
1	4E	180	VAL	CA-C	-11.29	1.38	1.52
1	4Y	40	SER	CB-OG	-11.29	1.19	1.42
1	4Y	180	VAL	CA-C	-11.29	1.38	1.52
1	5U	40	SER	CB-OG	-11.29	1.19	1.42
1	5U	180	VAL	CA-C	-11.29	1.38	1.52
1	6M	40	SER	CB-OG	-11.29	1.19	1.42
1	6M	180	VAL	CA-C	-11.29	1.38	1.52
1	6U	40	SER	CB-OG	-11.29	1.19	1.42
1	6U	180	VAL	CA-C	-11.29	1.38	1.52
1	7E	40	SER	CB-OG	-11.29	1.19	1.42
1	7E	180	VAL	CA-C	-11.29	1.38	1.52
1	7Q	40	SER	CB-OG	-11.29	1.19	1.42
1	7Q	180	VAL	CA-C	-11.29	1.38	1.52
1	1A	147	ARG	CD-NE	-11.28	1.30	1.46
1	1I	147	ARG	CD-NE	-11.28	1.30	1.46
1	2E	147	ARG	CD-NE	-11.28	1.30	1.46
1	26	147	ARG	CD-NE	-11.28	1.30	1.46
1	3E	147	ARG	CD-NE	-11.28	1.30	1.46
1	4A	147	ARG	CD-NE	-11.28	1.30	1.46
1	4M	147	ARG	CD-NE	-11.28	1.30	1.46
1	4U	147	ARG	CD-NE	-11.28	1.30	1.46
1	5Q	147	ARG	CD-NE	-11.28	1.30	1.46
1	6I	147	ARG	CD-NE	-11.28	1.30	1.46
1	6Q	147	ARG	CD-NE	-11.28	1.30	1.46
1	7M	147	ARG	CD-NE	-11.28	1.30	1.46
1	1E	40	SER	CB-OG	-11.28	1.19	1.42
1	12	40	SER	CB-OG	-11.28	1.19	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	16	40	SER	CB-OG	-11.28	1.19	1.42
1	2A	40	SER	CB-OG	-11.28	1.19	1.42
1	2M	40	SER	CB-OG	-11.28	1.19	1.42
1	22	40	SER	CB-OG	-11.28	1.19	1.42
1	3M	40	SER	CB-OG	-11.28	1.19	1.42
1	3Q	40	SER	CB-OG	-11.28	1.19	1.42
1	3U	40	SER	CB-OG	-11.28	1.19	1.42
1	3Y	40	SER	CB-OG	-11.28	1.19	1.42
1	36	40	SER	CB-OG	-11.28	1.19	1.42
1	4I	40	SER	CB-OG	-11.28	1.19	1.42
1	4Q	40	SER	CB-OG	-11.28	1.19	1.42
1	5E	40	SER	CB-OG	-11.28	1.19	1.42
1	5I	40	SER	CB-OG	-11.28	1.19	1.42
1	5M	40	SER	CB-OG	-11.28	1.19	1.42
1	5Y	40	SER	CB-OG	-11.28	1.19	1.42
1	6E	40	SER	CB-OG	-11.28	1.19	1.42
1	6Y	40	SER	CB-OG	-11.28	1.19	1.42
1	62	40	SER	CB-OG	-11.28	1.19	1.42
1	66	40	SER	CB-OG	-11.28	1.19	1.42
1	7A	40	SER	CB-OG	-11.28	1.19	1.42
1	7I	40	SER	CB-OG	-11.28	1.19	1.42
1	7U	40	SER	CB-OG	-11.28	1.19	1.42
2	1F	67	THR	CA-C	11.27	1.66	1.52
2	2N	67	THR	CA-C	11.27	1.66	1.52
2	23	67	THR	CA-C	11.27	1.66	1.52
2	3N	67	THR	CA-C	11.27	1.66	1.52
2	37	67	THR	CA-C	11.27	1.66	1.52
2	4J	67	THR	CA-C	11.27	1.66	1.52
2	4R	67	THR	CA-C	11.27	1.66	1.52
2	5Z	67	THR	CA-C	11.27	1.66	1.52
2	6F	67	THR	CA-C	11.27	1.66	1.52
2	6Z	67	THR	CA-C	11.27	1.66	1.52
2	7J	67	THR	CA-C	11.27	1.66	1.52
2	7V	67	THR	CA-C	11.27	1.66	1.52
2	1R	4	GLU	C-N	11.27	1.49	1.33
2	1V	4	GLU	C-N	11.27	1.49	1.33
2	1Z	4	GLU	C-N	11.27	1.49	1.33
2	2R	4	GLU	C-N	11.27	1.49	1.33
2	2V	4	GLU	C-N	11.27	1.49	1.33
2	2Z	4	GLU	C-N	11.27	1.49	1.33
2	43	4	GLU	C-N	11.27	1.49	1.33
2	47	4	GLU	C-N	11.27	1.49	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	4	GLU	C-N	11.27	1.49	1.33
2	53	4	GLU	C-N	11.27	1.49	1.33
2	57	4	GLU	C-N	11.27	1.49	1.33
2	6B	4	GLU	C-N	11.27	1.49	1.33
2	13	4	GLU	C-N	11.27	1.49	1.33
2	17	4	GLU	C-N	11.27	1.49	1.33
2	2B	4	GLU	C-N	11.27	1.49	1.33
2	3R	4	GLU	C-N	11.27	1.49	1.33
2	3V	4	GLU	C-N	11.27	1.49	1.33
2	3Z	4	GLU	C-N	11.27	1.49	1.33
2	5F	4	GLU	C-N	11.27	1.49	1.33
2	5J	4	GLU	C-N	11.27	1.49	1.33
2	5N	4	GLU	C-N	11.27	1.49	1.33
2	63	4	GLU	C-N	11.27	1.49	1.33
2	67	4	GLU	C-N	11.27	1.49	1.33
2	7B	4	GLU	C-N	11.27	1.49	1.33
2	1B	67	THR	CA-C	11.27	1.66	1.52
2	1J	67	THR	CA-C	11.27	1.66	1.52
2	1R	67	THR	CA-C	11.27	1.66	1.52
2	1V	67	THR	CA-C	11.27	1.66	1.52
2	1Z	67	THR	CA-C	11.27	1.66	1.52
2	2F	67	THR	CA-C	11.27	1.66	1.52
2	2R	67	THR	CA-C	11.27	1.66	1.52
2	2V	67	THR	CA-C	11.27	1.66	1.52
2	2Z	67	THR	CA-C	11.27	1.66	1.52
2	27	67	THR	CA-C	11.27	1.66	1.52
2	3F	67	THR	CA-C	11.27	1.66	1.52
2	4B	67	THR	CA-C	11.27	1.66	1.52
2	4N	67	THR	CA-C	11.27	1.66	1.52
2	4V	67	THR	CA-C	11.27	1.66	1.52
2	43	67	THR	CA-C	11.27	1.66	1.52
2	47	67	THR	CA-C	11.27	1.66	1.52
2	5B	67	THR	CA-C	11.27	1.66	1.52
2	5R	67	THR	CA-C	11.27	1.66	1.52
2	53	67	THR	CA-C	11.27	1.66	1.52
2	57	67	THR	CA-C	11.27	1.66	1.52
2	6B	67	THR	CA-C	11.27	1.66	1.52
2	6J	67	THR	CA-C	11.27	1.66	1.52
2	6R	67	THR	CA-C	11.27	1.66	1.52
2	7N	67	THR	CA-C	11.27	1.66	1.52
1	1A	40	SER	CB-OG	-11.26	1.19	1.42
1	1I	40	SER	CB-OG	-11.26	1.19	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	40	SER	CB-OG	-11.26	1.19	1.42
1	26	40	SER	CB-OG	-11.26	1.19	1.42
1	3E	40	SER	CB-OG	-11.26	1.19	1.42
1	4A	40	SER	CB-OG	-11.26	1.19	1.42
1	4M	40	SER	CB-OG	-11.26	1.19	1.42
1	4U	40	SER	CB-OG	-11.26	1.19	1.42
1	5Q	40	SER	CB-OG	-11.26	1.19	1.42
1	6I	40	SER	CB-OG	-11.26	1.19	1.42
1	6Q	40	SER	CB-OG	-11.26	1.19	1.42
1	7M	40	SER	CB-OG	-11.26	1.19	1.42
1	1M	23	GLY	N-CA	11.26	1.61	1.45
1	1Q	147	ARG	CD-NE	-11.26	1.30	1.46
1	1U	147	ARG	CD-NE	-11.26	1.30	1.46
1	1Y	147	ARG	CD-NE	-11.26	1.30	1.46
1	2I	23	GLY	N-CA	11.26	1.61	1.45
1	2Q	147	ARG	CD-NE	-11.26	1.30	1.46
1	2U	147	ARG	CD-NE	-11.26	1.30	1.46
1	2Y	147	ARG	CD-NE	-11.26	1.30	1.46
1	3A	23	GLY	N-CA	11.26	1.61	1.45
1	3I	23	GLY	N-CA	11.26	1.61	1.45
1	32	23	GLY	N-CA	11.26	1.61	1.45
1	4E	23	GLY	N-CA	11.26	1.61	1.45
1	4Y	23	GLY	N-CA	11.26	1.61	1.45
1	42	147	ARG	CD-NE	-11.26	1.30	1.46
1	46	147	ARG	CD-NE	-11.26	1.30	1.46
1	5A	147	ARG	CD-NE	-11.26	1.30	1.46
1	5U	23	GLY	N-CA	11.26	1.61	1.45
1	52	147	ARG	CD-NE	-11.26	1.30	1.46
1	56	147	ARG	CD-NE	-11.26	1.30	1.46
1	6A	147	ARG	CD-NE	-11.26	1.30	1.46
1	6M	23	GLY	N-CA	11.26	1.61	1.45
1	6U	23	GLY	N-CA	11.26	1.61	1.45
1	7E	23	GLY	N-CA	11.26	1.61	1.45
1	7Q	23	GLY	N-CA	11.26	1.61	1.45
1	1Q	23	GLY	N-CA	11.25	1.61	1.45
1	1U	23	GLY	N-CA	11.25	1.61	1.45
1	1Y	23	GLY	N-CA	11.25	1.61	1.45
1	2Q	23	GLY	N-CA	11.25	1.61	1.45
1	2U	23	GLY	N-CA	11.25	1.61	1.45
1	2Y	23	GLY	N-CA	11.25	1.61	1.45
1	42	23	GLY	N-CA	11.25	1.61	1.45
1	46	23	GLY	N-CA	11.25	1.61	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	23	GLY	N-CA	11.25	1.61	1.45
1	52	23	GLY	N-CA	11.25	1.61	1.45
1	56	23	GLY	N-CA	11.25	1.61	1.45
1	6A	23	GLY	N-CA	11.25	1.61	1.45
1	1E	180	VAL	CA-C	-11.25	1.38	1.52
1	2M	180	VAL	CA-C	-11.25	1.38	1.52
1	22	180	VAL	CA-C	-11.25	1.38	1.52
1	3M	180	VAL	CA-C	-11.25	1.38	1.52
1	36	180	VAL	CA-C	-11.25	1.38	1.52
1	4I	180	VAL	CA-C	-11.25	1.38	1.52
1	4Q	180	VAL	CA-C	-11.25	1.38	1.52
1	5Y	180	VAL	CA-C	-11.25	1.38	1.52
1	6E	180	VAL	CA-C	-11.25	1.38	1.52
1	6Y	180	VAL	CA-C	-11.25	1.38	1.52
1	7I	180	VAL	CA-C	-11.25	1.38	1.52
1	7U	180	VAL	CA-C	-11.25	1.38	1.52
2	1F	4	GLU	C-N	11.24	1.49	1.33
2	2N	4	GLU	C-N	11.24	1.49	1.33
2	3N	4	GLU	C-N	11.24	1.49	1.33
2	5Z	4	GLU	C-N	11.24	1.49	1.33
2	6F	4	GLU	C-N	11.24	1.49	1.33
2	6Z	4	GLU	C-N	11.24	1.49	1.33
2	7V	4	GLU	C-N	11.24	1.49	1.33
2	1R	25	SER	N-CA	11.24	1.60	1.46
2	1V	25	SER	N-CA	11.24	1.60	1.46
2	1Z	25	SER	N-CA	11.24	1.60	1.46
1	12	23	GLY	N-CA	11.24	1.61	1.45
1	16	23	GLY	N-CA	11.24	1.61	1.45
1	2A	23	GLY	N-CA	11.24	1.61	1.45
2	23	4	GLU	C-N	11.24	1.49	1.33
2	37	4	GLU	C-N	11.24	1.49	1.33
2	2R	25	SER	N-CA	11.24	1.60	1.46
2	2V	25	SER	N-CA	11.24	1.60	1.46
2	2Z	25	SER	N-CA	11.24	1.60	1.46
1	3Q	23	GLY	N-CA	11.24	1.61	1.45
1	3U	23	GLY	N-CA	11.24	1.61	1.45
1	3Y	23	GLY	N-CA	11.24	1.61	1.45
2	4J	4	GLU	C-N	11.24	1.49	1.33
2	4R	4	GLU	C-N	11.24	1.49	1.33
2	7J	4	GLU	C-N	11.24	1.49	1.33
2	43	25	SER	N-CA	11.24	1.60	1.46
2	47	25	SER	N-CA	11.24	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	25	SER	N-CA	11.24	1.60	1.46
1	5E	23	GLY	N-CA	11.24	1.61	1.45
1	5I	23	GLY	N-CA	11.24	1.61	1.45
1	5M	23	GLY	N-CA	11.24	1.61	1.45
2	53	25	SER	N-CA	11.24	1.60	1.46
2	57	25	SER	N-CA	11.24	1.60	1.46
2	6B	25	SER	N-CA	11.24	1.60	1.46
1	62	23	GLY	N-CA	11.24	1.61	1.45
1	66	23	GLY	N-CA	11.24	1.61	1.45
1	7A	23	GLY	N-CA	11.24	1.61	1.45
2	1B	4	GLU	C-N	11.24	1.49	1.33
2	1B	25	SER	N-CA	11.24	1.60	1.46
2	1J	4	GLU	C-N	11.24	1.49	1.33
2	1J	25	SER	N-CA	11.24	1.60	1.46
2	2F	4	GLU	C-N	11.24	1.49	1.33
2	2F	25	SER	N-CA	11.24	1.60	1.46
2	27	4	GLU	C-N	11.24	1.49	1.33
2	27	25	SER	N-CA	11.24	1.60	1.46
2	3F	4	GLU	C-N	11.24	1.49	1.33
2	3F	25	SER	N-CA	11.24	1.60	1.46
2	4B	4	GLU	C-N	11.24	1.49	1.33
2	4B	25	SER	N-CA	11.24	1.60	1.46
2	4N	4	GLU	C-N	11.24	1.49	1.33
2	4N	25	SER	N-CA	11.24	1.60	1.46
2	4V	4	GLU	C-N	11.24	1.49	1.33
2	4V	25	SER	N-CA	11.24	1.60	1.46
2	5R	4	GLU	C-N	11.24	1.49	1.33
2	5R	25	SER	N-CA	11.24	1.60	1.46
2	6J	4	GLU	C-N	11.24	1.49	1.33
2	6J	25	SER	N-CA	11.24	1.60	1.46
2	6R	4	GLU	C-N	11.24	1.49	1.33
2	6R	25	SER	N-CA	11.24	1.60	1.46
2	7N	4	GLU	C-N	11.24	1.49	1.33
2	7N	25	SER	N-CA	11.24	1.60	1.46
1	1A	23	GLY	N-CA	11.24	1.61	1.45
1	1A	180	VAL	CA-C	-11.24	1.38	1.52
1	1E	23	GLY	N-CA	11.24	1.61	1.45
1	1I	23	GLY	N-CA	11.24	1.61	1.45
1	1I	180	VAL	CA-C	-11.24	1.38	1.52
2	13	67	THR	CA-C	11.24	1.66	1.52
2	17	67	THR	CA-C	11.24	1.66	1.52
2	2B	67	THR	CA-C	11.24	1.66	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	23	GLY	N-CA	11.24	1.61	1.45
1	2E	180	VAL	CA-C	-11.24	1.38	1.52
1	2M	23	GLY	N-CA	11.24	1.61	1.45
1	22	23	GLY	N-CA	11.24	1.61	1.45
1	26	23	GLY	N-CA	11.24	1.61	1.45
1	26	180	VAL	CA-C	-11.24	1.38	1.52
1	3E	23	GLY	N-CA	11.24	1.61	1.45
1	3E	180	VAL	CA-C	-11.24	1.38	1.52
1	3M	23	GLY	N-CA	11.24	1.61	1.45
2	3R	67	THR	CA-C	11.24	1.66	1.52
2	3V	67	THR	CA-C	11.24	1.66	1.52
2	3Z	67	THR	CA-C	11.24	1.66	1.52
1	36	23	GLY	N-CA	11.24	1.61	1.45
1	4A	23	GLY	N-CA	11.24	1.61	1.45
1	4A	180	VAL	CA-C	-11.24	1.38	1.52
1	4I	23	GLY	N-CA	11.24	1.61	1.45
1	4M	23	GLY	N-CA	11.24	1.61	1.45
1	4M	180	VAL	CA-C	-11.24	1.38	1.52
1	4Q	23	GLY	N-CA	11.24	1.61	1.45
1	4U	23	GLY	N-CA	11.24	1.61	1.45
1	4U	180	VAL	CA-C	-11.24	1.38	1.52
2	5F	67	THR	CA-C	11.24	1.66	1.52
2	5J	67	THR	CA-C	11.24	1.66	1.52
2	5N	67	THR	CA-C	11.24	1.66	1.52
1	5Q	23	GLY	N-CA	11.24	1.61	1.45
1	5Q	180	VAL	CA-C	-11.24	1.38	1.52
1	5Y	23	GLY	N-CA	11.24	1.61	1.45
1	6E	23	GLY	N-CA	11.24	1.61	1.45
1	6I	23	GLY	N-CA	11.24	1.61	1.45
1	6I	180	VAL	CA-C	-11.24	1.38	1.52
1	6Q	23	GLY	N-CA	11.24	1.61	1.45
1	6Q	180	VAL	CA-C	-11.24	1.38	1.52
1	6Y	23	GLY	N-CA	11.24	1.61	1.45
2	63	67	THR	CA-C	11.24	1.66	1.52
2	67	67	THR	CA-C	11.24	1.66	1.52
2	7B	67	THR	CA-C	11.24	1.66	1.52
1	7I	23	GLY	N-CA	11.24	1.61	1.45
1	7M	23	GLY	N-CA	11.24	1.61	1.45
1	7M	180	VAL	CA-C	-11.24	1.38	1.52
1	7U	23	GLY	N-CA	11.24	1.61	1.45
1	1E	83	GLY	N-CA	-11.23	1.34	1.45
2	1F	25	SER	N-CA	11.23	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2M	83	GLY	N-CA	-11.23	1.34	1.45
2	2N	25	SER	N-CA	11.23	1.60	1.46
1	22	83	GLY	N-CA	-11.23	1.34	1.45
2	23	25	SER	N-CA	11.23	1.60	1.46
1	3M	83	GLY	N-CA	-11.23	1.34	1.45
2	3N	25	SER	N-CA	11.23	1.60	1.46
1	36	83	GLY	N-CA	-11.23	1.34	1.45
2	37	25	SER	N-CA	11.23	1.60	1.46
1	4I	83	GLY	N-CA	-11.23	1.34	1.45
2	4J	25	SER	N-CA	11.23	1.60	1.46
1	4Q	83	GLY	N-CA	-11.23	1.34	1.45
2	4R	25	SER	N-CA	11.23	1.60	1.46
1	5Y	83	GLY	N-CA	-11.23	1.34	1.45
2	5Z	25	SER	N-CA	11.23	1.60	1.46
1	6E	83	GLY	N-CA	-11.23	1.34	1.45
2	6F	25	SER	N-CA	11.23	1.60	1.46
1	6Y	83	GLY	N-CA	-11.23	1.34	1.45
2	6Z	25	SER	N-CA	11.23	1.60	1.46
1	7I	83	GLY	N-CA	-11.23	1.34	1.45
2	7J	25	SER	N-CA	11.23	1.60	1.46
1	7U	83	GLY	N-CA	-11.23	1.34	1.45
2	7V	25	SER	N-CA	11.23	1.60	1.46
1	1Q	40	SER	CB-OG	-11.23	1.19	1.42
1	1U	40	SER	CB-OG	-11.23	1.19	1.42
1	1Y	40	SER	CB-OG	-11.23	1.19	1.42
1	2Q	40	SER	CB-OG	-11.23	1.19	1.42
1	2U	40	SER	CB-OG	-11.23	1.19	1.42
1	2Y	40	SER	CB-OG	-11.23	1.19	1.42
1	42	40	SER	CB-OG	-11.23	1.19	1.42
1	46	40	SER	CB-OG	-11.23	1.19	1.42
1	5A	40	SER	CB-OG	-11.23	1.19	1.42
1	52	40	SER	CB-OG	-11.23	1.19	1.42
1	56	40	SER	CB-OG	-11.23	1.19	1.42
1	6A	40	SER	CB-OG	-11.23	1.19	1.42
2	1B	14	THR	CB-CG2	-11.21	1.15	1.52
2	1J	14	THR	CB-CG2	-11.21	1.15	1.52
2	2F	14	THR	CB-CG2	-11.21	1.15	1.52
2	27	14	THR	CB-CG2	-11.21	1.15	1.52
2	3F	14	THR	CB-CG2	-11.21	1.15	1.52
2	4B	14	THR	CB-CG2	-11.21	1.15	1.52
2	4N	14	THR	CB-CG2	-11.21	1.15	1.52
2	4V	14	THR	CB-CG2	-11.21	1.15	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	14	THR	CB-CG2	-11.21	1.15	1.52
2	6J	14	THR	CB-CG2	-11.21	1.15	1.52
2	6R	14	THR	CB-CG2	-11.21	1.15	1.52
2	7N	14	THR	CB-CG2	-11.21	1.15	1.52
1	1M	81	ASN	CB-CG	11.21	1.80	1.52
2	1N	14	THR	CB-CG2	-11.21	1.15	1.52
1	2I	81	ASN	CB-CG	11.21	1.80	1.52
2	2J	14	THR	CB-CG2	-11.21	1.15	1.52
1	3A	81	ASN	CB-CG	11.21	1.80	1.52
2	3B	14	THR	CB-CG2	-11.21	1.15	1.52
1	3I	81	ASN	CB-CG	11.21	1.80	1.52
2	3J	14	THR	CB-CG2	-11.21	1.15	1.52
1	32	81	ASN	CB-CG	11.21	1.80	1.52
2	33	14	THR	CB-CG2	-11.21	1.15	1.52
1	4E	81	ASN	CB-CG	11.21	1.80	1.52
2	4F	14	THR	CB-CG2	-11.21	1.15	1.52
1	4Y	81	ASN	CB-CG	11.21	1.80	1.52
2	4Z	14	THR	CB-CG2	-11.21	1.15	1.52
1	5U	81	ASN	CB-CG	11.21	1.80	1.52
2	5V	14	THR	CB-CG2	-11.21	1.15	1.52
1	6M	81	ASN	CB-CG	11.21	1.80	1.52
2	6N	14	THR	CB-CG2	-11.21	1.15	1.52
1	6U	81	ASN	CB-CG	11.21	1.80	1.52
2	6V	14	THR	CB-CG2	-11.21	1.15	1.52
1	7E	81	ASN	CB-CG	11.21	1.80	1.52
2	7F	14	THR	CB-CG2	-11.21	1.15	1.52
1	7Q	81	ASN	CB-CG	11.21	1.80	1.52
2	7R	14	THR	CB-CG2	-11.21	1.15	1.52
1	1A	81	ASN	CB-CG	11.21	1.80	1.52
1	1I	81	ASN	CB-CG	11.21	1.80	1.52
1	2E	81	ASN	CB-CG	11.21	1.80	1.52
1	26	81	ASN	CB-CG	11.21	1.80	1.52
1	3E	81	ASN	CB-CG	11.21	1.80	1.52
1	4A	81	ASN	CB-CG	11.21	1.80	1.52
1	4M	81	ASN	CB-CG	11.21	1.80	1.52
1	4U	81	ASN	CB-CG	11.21	1.80	1.52
1	5Q	81	ASN	CB-CG	11.21	1.80	1.52
1	6I	81	ASN	CB-CG	11.21	1.80	1.52
1	6Q	81	ASN	CB-CG	11.21	1.80	1.52
1	7M	81	ASN	CB-CG	11.21	1.80	1.52
1	12	179	VAL	CA-CB	11.21	1.68	1.54
1	16	179	VAL	CA-CB	11.21	1.68	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	179	VAL	CA-CB	11.21	1.68	1.54
1	3Q	179	VAL	CA-CB	11.21	1.68	1.54
1	3U	179	VAL	CA-CB	11.21	1.68	1.54
1	3Y	179	VAL	CA-CB	11.21	1.68	1.54
1	5E	179	VAL	CA-CB	11.21	1.68	1.54
1	5I	179	VAL	CA-CB	11.21	1.68	1.54
1	5M	179	VAL	CA-CB	11.21	1.68	1.54
1	62	179	VAL	CA-CB	11.21	1.68	1.54
1	66	179	VAL	CA-CB	11.21	1.68	1.54
1	7A	179	VAL	CA-CB	11.21	1.68	1.54
2	1N	25	SER	N-CA	11.21	1.60	1.46
1	1Q	179	VAL	CA-CB	11.21	1.68	1.54
1	1U	179	VAL	CA-CB	11.21	1.68	1.54
1	1Y	179	VAL	CA-CB	11.21	1.68	1.54
2	13	14	THR	CB-CG2	-11.20	1.15	1.52
2	17	14	THR	CB-CG2	-11.20	1.15	1.52
2	2B	14	THR	CB-CG2	-11.20	1.15	1.52
2	2J	25	SER	N-CA	11.21	1.60	1.46
1	2Q	179	VAL	CA-CB	11.21	1.68	1.54
1	2U	179	VAL	CA-CB	11.21	1.68	1.54
1	2Y	179	VAL	CA-CB	11.21	1.68	1.54
2	3B	25	SER	N-CA	11.21	1.60	1.46
2	3J	25	SER	N-CA	11.21	1.60	1.46
2	3R	14	THR	CB-CG2	-11.20	1.15	1.52
2	3V	14	THR	CB-CG2	-11.20	1.15	1.52
2	3Z	14	THR	CB-CG2	-11.20	1.15	1.52
2	33	25	SER	N-CA	11.21	1.60	1.46
2	4F	25	SER	N-CA	11.21	1.60	1.46
2	4Z	25	SER	N-CA	11.21	1.60	1.46
1	42	179	VAL	CA-CB	11.21	1.68	1.54
1	46	179	VAL	CA-CB	11.21	1.68	1.54
1	5A	179	VAL	CA-CB	11.21	1.68	1.54
2	5F	14	THR	CB-CG2	-11.20	1.15	1.52
2	5J	14	THR	CB-CG2	-11.20	1.15	1.52
2	5N	14	THR	CB-CG2	-11.20	1.15	1.52
2	5V	25	SER	N-CA	11.21	1.60	1.46
1	52	179	VAL	CA-CB	11.21	1.68	1.54
1	56	179	VAL	CA-CB	11.21	1.68	1.54
1	6A	179	VAL	CA-CB	11.21	1.68	1.54
2	6N	25	SER	N-CA	11.21	1.60	1.46
2	6V	25	SER	N-CA	11.21	1.60	1.46
2	63	14	THR	CB-CG2	-11.20	1.15	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	67	14	THR	CB-CG2	-11.20	1.15	1.52
2	7B	14	THR	CB-CG2	-11.20	1.15	1.52
2	7F	25	SER	N-CA	11.21	1.60	1.46
2	7R	25	SER	N-CA	11.21	1.60	1.46
1	1Q	81	ASN	CB-CG	11.20	1.80	1.52
1	1U	81	ASN	CB-CG	11.20	1.80	1.52
1	1Y	81	ASN	CB-CG	11.20	1.80	1.52
1	2Q	81	ASN	CB-CG	11.20	1.80	1.52
1	2U	81	ASN	CB-CG	11.20	1.80	1.52
1	2Y	81	ASN	CB-CG	11.20	1.80	1.52
1	42	81	ASN	CB-CG	11.20	1.80	1.52
1	46	81	ASN	CB-CG	11.20	1.80	1.52
1	5A	81	ASN	CB-CG	11.20	1.80	1.52
1	52	81	ASN	CB-CG	11.20	1.80	1.52
1	56	81	ASN	CB-CG	11.20	1.80	1.52
1	6A	81	ASN	CB-CG	11.20	1.80	1.52
2	1N	4	GLU	C-N	11.20	1.49	1.33
2	2J	4	GLU	C-N	11.20	1.49	1.33
2	3B	4	GLU	C-N	11.20	1.49	1.33
2	3J	4	GLU	C-N	11.20	1.49	1.33
2	33	4	GLU	C-N	11.20	1.49	1.33
2	4F	4	GLU	C-N	11.20	1.49	1.33
2	4Z	4	GLU	C-N	11.20	1.49	1.33
2	5V	4	GLU	C-N	11.20	1.49	1.33
2	6N	4	GLU	C-N	11.20	1.49	1.33
2	6V	4	GLU	C-N	11.20	1.49	1.33
2	7F	4	GLU	C-N	11.20	1.49	1.33
2	7R	4	GLU	C-N	11.20	1.49	1.33
2	1R	14	THR	CB-CG2	-11.20	1.15	1.52
2	1V	14	THR	CB-CG2	-11.20	1.15	1.52
2	1Z	14	THR	CB-CG2	-11.20	1.15	1.52
1	1M	144	VAL	N-CA	-11.20	1.33	1.46
1	12	155	PRO	CA-C	11.20	1.68	1.52
1	16	155	PRO	CA-C	11.20	1.68	1.52
1	2A	155	PRO	CA-C	11.20	1.68	1.52
2	2R	14	THR	CB-CG2	-11.20	1.15	1.52
2	2V	14	THR	CB-CG2	-11.20	1.15	1.52
2	2Z	14	THR	CB-CG2	-11.20	1.15	1.52
2	43	14	THR	CB-CG2	-11.20	1.15	1.52
2	57	14	THR	CB-CG2	-11.20	1.15	1.52
1	2I	144	VAL	N-CA	-11.20	1.33	1.46
1	3A	144	VAL	N-CA	-11.20	1.33	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3I	144	VAL	N-CA	-11.20	1.33	1.46
1	3Q	155	PRO	CA-C	11.20	1.68	1.52
1	3U	155	PRO	CA-C	11.20	1.68	1.52
1	3Y	155	PRO	CA-C	11.20	1.68	1.52
2	47	14	THR	CB-CG2	-11.20	1.15	1.52
2	5B	14	THR	CB-CG2	-11.20	1.15	1.52
1	32	144	VAL	N-CA	-11.20	1.33	1.46
1	4E	144	VAL	N-CA	-11.20	1.33	1.46
1	4Y	144	VAL	N-CA	-11.20	1.33	1.46
1	5E	155	PRO	CA-C	11.20	1.68	1.52
1	5I	155	PRO	CA-C	11.20	1.68	1.52
1	5M	155	PRO	CA-C	11.20	1.68	1.52
2	53	14	THR	CB-CG2	-11.20	1.15	1.52
2	6B	14	THR	CB-CG2	-11.20	1.15	1.52
1	5U	144	VAL	N-CA	-11.20	1.33	1.46
1	6M	144	VAL	N-CA	-11.20	1.33	1.46
1	6U	144	VAL	N-CA	-11.20	1.33	1.46
1	62	155	PRO	CA-C	11.20	1.68	1.52
1	66	155	PRO	CA-C	11.20	1.68	1.52
1	7A	155	PRO	CA-C	11.20	1.68	1.52
1	7E	144	VAL	N-CA	-11.20	1.33	1.46
1	7Q	144	VAL	N-CA	-11.20	1.33	1.46
2	1F	14	THR	CB-CG2	-11.19	1.15	1.52
2	2N	14	THR	CB-CG2	-11.19	1.15	1.52
2	23	14	THR	CB-CG2	-11.19	1.15	1.52
2	3N	14	THR	CB-CG2	-11.19	1.15	1.52
2	37	14	THR	CB-CG2	-11.19	1.15	1.52
2	4J	14	THR	CB-CG2	-11.19	1.15	1.52
2	4R	14	THR	CB-CG2	-11.19	1.15	1.52
2	5Z	14	THR	CB-CG2	-11.19	1.15	1.52
2	6F	14	THR	CB-CG2	-11.19	1.15	1.52
2	6Z	14	THR	CB-CG2	-11.19	1.15	1.52
2	7J	14	THR	CB-CG2	-11.19	1.15	1.52
2	7V	14	THR	CB-CG2	-11.19	1.15	1.52
1	1E	144	VAL	N-CA	-11.19	1.33	1.46
2	13	25	SER	N-CA	11.19	1.60	1.46
2	17	25	SER	N-CA	11.19	1.60	1.46
2	2B	25	SER	N-CA	11.19	1.60	1.46
1	2M	144	VAL	N-CA	-11.19	1.33	1.46
1	22	144	VAL	N-CA	-11.19	1.33	1.46
1	3M	144	VAL	N-CA	-11.19	1.33	1.46
2	3R	25	SER	N-CA	11.19	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3V	25	SER	N-CA	11.19	1.60	1.46
2	3Z	25	SER	N-CA	11.19	1.60	1.46
1	36	144	VAL	N-CA	-11.19	1.33	1.46
1	4I	144	VAL	N-CA	-11.19	1.33	1.46
1	4Q	144	VAL	N-CA	-11.19	1.33	1.46
2	5F	25	SER	N-CA	11.19	1.60	1.46
2	5J	25	SER	N-CA	11.19	1.60	1.46
2	5N	25	SER	N-CA	11.19	1.60	1.46
1	5Y	144	VAL	N-CA	-11.19	1.33	1.46
1	6E	144	VAL	N-CA	-11.19	1.33	1.46
1	6Y	144	VAL	N-CA	-11.19	1.33	1.46
2	63	25	SER	N-CA	11.19	1.60	1.46
2	67	25	SER	N-CA	11.19	1.60	1.46
2	7B	25	SER	N-CA	11.19	1.60	1.46
1	7I	144	VAL	N-CA	-11.19	1.33	1.46
1	7U	144	VAL	N-CA	-11.19	1.33	1.46
1	1E	81	ASN	CB-CG	11.19	1.80	1.52
1	12	81	ASN	CB-CG	11.19	1.80	1.52
1	16	81	ASN	CB-CG	11.19	1.80	1.52
1	2A	81	ASN	CB-CG	11.19	1.80	1.52
1	2M	81	ASN	CB-CG	11.19	1.80	1.52
1	22	81	ASN	CB-CG	11.19	1.80	1.52
1	3M	81	ASN	CB-CG	11.19	1.80	1.52
1	3Q	81	ASN	CB-CG	11.19	1.80	1.52
1	3U	81	ASN	CB-CG	11.19	1.80	1.52
1	3Y	81	ASN	CB-CG	11.19	1.80	1.52
1	36	81	ASN	CB-CG	11.19	1.80	1.52
1	4I	81	ASN	CB-CG	11.19	1.80	1.52
1	4Q	81	ASN	CB-CG	11.19	1.80	1.52
1	5E	81	ASN	CB-CG	11.19	1.80	1.52
1	5I	81	ASN	CB-CG	11.19	1.80	1.52
1	5M	81	ASN	CB-CG	11.19	1.80	1.52
1	5Y	81	ASN	CB-CG	11.19	1.80	1.52
1	6E	81	ASN	CB-CG	11.19	1.80	1.52
1	6Y	81	ASN	CB-CG	11.19	1.80	1.52
1	62	81	ASN	CB-CG	11.19	1.80	1.52
1	66	81	ASN	CB-CG	11.19	1.80	1.52
1	7A	81	ASN	CB-CG	11.19	1.80	1.52
1	7I	81	ASN	CB-CG	11.19	1.80	1.52
1	7U	81	ASN	CB-CG	11.19	1.80	1.52
1	1A	155	PRO	CA-C	11.18	1.68	1.52
1	1I	155	PRO	CA-C	11.18	1.68	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Q	155	PRO	CA-C	11.18	1.68	1.52
1	1U	155	PRO	CA-C	11.18	1.68	1.52
1	1Y	155	PRO	CA-C	11.18	1.68	1.52
1	2E	155	PRO	CA-C	11.18	1.68	1.52
1	2Q	155	PRO	CA-C	11.18	1.68	1.52
1	2U	155	PRO	CA-C	11.18	1.68	1.52
1	2Y	155	PRO	CA-C	11.18	1.68	1.52
1	26	155	PRO	CA-C	11.18	1.68	1.52
1	3E	155	PRO	CA-C	11.18	1.68	1.52
1	4A	155	PRO	CA-C	11.18	1.68	1.52
1	4M	155	PRO	CA-C	11.18	1.68	1.52
1	4U	155	PRO	CA-C	11.18	1.68	1.52
1	42	155	PRO	CA-C	11.18	1.68	1.52
1	46	155	PRO	CA-C	11.18	1.68	1.52
1	5A	155	PRO	CA-C	11.18	1.68	1.52
1	5Q	155	PRO	CA-C	11.18	1.68	1.52
1	52	155	PRO	CA-C	11.18	1.68	1.52
1	56	155	PRO	CA-C	11.18	1.68	1.52
1	6A	155	PRO	CA-C	11.18	1.68	1.52
1	6I	155	PRO	CA-C	11.18	1.68	1.52
1	6Q	155	PRO	CA-C	11.18	1.68	1.52
1	7M	155	PRO	CA-C	11.18	1.68	1.52
1	1A	144	VAL	N-CA	-11.18	1.33	1.46
1	1I	144	VAL	N-CA	-11.18	1.33	1.46
1	2E	144	VAL	N-CA	-11.18	1.33	1.46
1	26	144	VAL	N-CA	-11.18	1.33	1.46
1	3E	144	VAL	N-CA	-11.18	1.33	1.46
1	4A	144	VAL	N-CA	-11.18	1.33	1.46
1	4M	144	VAL	N-CA	-11.18	1.33	1.46
1	4U	144	VAL	N-CA	-11.18	1.33	1.46
1	5Q	144	VAL	N-CA	-11.18	1.33	1.46
1	6I	144	VAL	N-CA	-11.18	1.33	1.46
1	6Q	144	VAL	N-CA	-11.18	1.33	1.46
1	7M	144	VAL	N-CA	-11.18	1.33	1.46
1	1A	8	LEU	CG-CD2	-11.18	1.15	1.52
1	1I	8	LEU	CG-CD2	-11.18	1.15	1.52
1	2E	8	LEU	CG-CD2	-11.18	1.15	1.52
1	26	8	LEU	CG-CD2	-11.18	1.15	1.52
1	3E	8	LEU	CG-CD2	-11.18	1.15	1.52
1	4A	8	LEU	CG-CD2	-11.18	1.15	1.52
1	4M	8	LEU	CG-CD2	-11.18	1.15	1.52
1	4U	8	LEU	CG-CD2	-11.18	1.15	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	8	LEU	CG-CD2	-11.18	1.15	1.52
1	6I	8	LEU	CG-CD2	-11.18	1.15	1.52
1	6Q	8	LEU	CG-CD2	-11.18	1.15	1.52
1	7M	8	LEU	CG-CD2	-11.18	1.15	1.52
1	1M	8	LEU	CG-CD2	-11.17	1.15	1.52
1	1Q	8	LEU	CG-CD2	-11.17	1.15	1.52
1	1U	8	LEU	CG-CD2	-11.17	1.15	1.52
1	1Y	8	LEU	CG-CD2	-11.17	1.15	1.52
1	2I	8	LEU	CG-CD2	-11.17	1.15	1.52
1	2Q	8	LEU	CG-CD2	-11.17	1.15	1.52
1	2U	8	LEU	CG-CD2	-11.17	1.15	1.52
1	2Y	8	LEU	CG-CD2	-11.17	1.15	1.52
1	3A	8	LEU	CG-CD2	-11.17	1.15	1.52
1	3I	8	LEU	CG-CD2	-11.17	1.15	1.52
1	32	8	LEU	CG-CD2	-11.17	1.15	1.52
1	4E	8	LEU	CG-CD2	-11.17	1.15	1.52
1	4Y	8	LEU	CG-CD2	-11.17	1.15	1.52
1	42	8	LEU	CG-CD2	-11.17	1.15	1.52
1	46	8	LEU	CG-CD2	-11.17	1.15	1.52
1	5A	8	LEU	CG-CD2	-11.17	1.15	1.52
1	5U	8	LEU	CG-CD2	-11.17	1.15	1.52
1	52	8	LEU	CG-CD2	-11.17	1.15	1.52
1	56	8	LEU	CG-CD2	-11.17	1.15	1.52
1	6A	8	LEU	CG-CD2	-11.17	1.15	1.52
1	6M	8	LEU	CG-CD2	-11.17	1.15	1.52
1	6U	8	LEU	CG-CD2	-11.17	1.15	1.52
1	7E	8	LEU	CG-CD2	-11.17	1.15	1.52
1	7Q	8	LEU	CG-CD2	-11.17	1.15	1.52
1	12	8	LEU	CG-CD2	-11.16	1.15	1.52
1	16	8	LEU	CG-CD2	-11.16	1.15	1.52
1	2A	8	LEU	CG-CD2	-11.16	1.15	1.52
1	3Q	8	LEU	CG-CD2	-11.16	1.15	1.52
1	3U	8	LEU	CG-CD2	-11.16	1.15	1.52
1	3Y	8	LEU	CG-CD2	-11.16	1.15	1.52
1	5E	8	LEU	CG-CD2	-11.16	1.15	1.52
1	5I	8	LEU	CG-CD2	-11.16	1.15	1.52
1	5M	8	LEU	CG-CD2	-11.16	1.15	1.52
1	62	8	LEU	CG-CD2	-11.16	1.15	1.52
1	66	8	LEU	CG-CD2	-11.16	1.15	1.52
1	7A	8	LEU	CG-CD2	-11.16	1.15	1.52
1	1E	8	LEU	CG-CD2	-11.16	1.15	1.52
1	1Q	144	VAL	N-CA	-11.16	1.33	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1U	144	VAL	N-CA	-11.16	1.33	1.46
1	1Y	144	VAL	N-CA	-11.16	1.33	1.46
1	2M	8	LEU	CG-CD2	-11.16	1.15	1.52
1	2Q	144	VAL	N-CA	-11.16	1.33	1.46
1	2U	144	VAL	N-CA	-11.16	1.33	1.46
1	2Y	144	VAL	N-CA	-11.16	1.33	1.46
1	22	8	LEU	CG-CD2	-11.16	1.15	1.52
1	3M	8	LEU	CG-CD2	-11.16	1.15	1.52
1	36	8	LEU	CG-CD2	-11.16	1.15	1.52
1	4I	8	LEU	CG-CD2	-11.16	1.15	1.52
1	4Q	8	LEU	CG-CD2	-11.16	1.15	1.52
1	42	144	VAL	N-CA	-11.16	1.33	1.46
1	46	144	VAL	N-CA	-11.16	1.33	1.46
1	5A	144	VAL	N-CA	-11.16	1.33	1.46
1	5Y	8	LEU	CG-CD2	-11.16	1.15	1.52
1	52	144	VAL	N-CA	-11.16	1.33	1.46
1	56	144	VAL	N-CA	-11.16	1.33	1.46
1	6A	144	VAL	N-CA	-11.16	1.33	1.46
1	6E	8	LEU	CG-CD2	-11.16	1.15	1.52
1	6Y	8	LEU	CG-CD2	-11.16	1.15	1.52
1	7I	8	LEU	CG-CD2	-11.16	1.15	1.52
1	7U	8	LEU	CG-CD2	-11.16	1.15	1.52
1	1E	155	PRO	CA-C	11.15	1.68	1.52
1	2M	155	PRO	CA-C	11.15	1.68	1.52
1	22	155	PRO	CA-C	11.15	1.68	1.52
1	3M	155	PRO	CA-C	11.15	1.68	1.52
1	36	155	PRO	CA-C	11.15	1.68	1.52
1	4I	155	PRO	CA-C	11.15	1.68	1.52
1	4Q	155	PRO	CA-C	11.15	1.68	1.52
1	5Y	155	PRO	CA-C	11.15	1.68	1.52
1	6E	155	PRO	CA-C	11.15	1.68	1.52
1	6Y	155	PRO	CA-C	11.15	1.68	1.52
1	7I	155	PRO	CA-C	11.15	1.68	1.52
1	7U	155	PRO	CA-C	11.15	1.68	1.52
1	1A	179	VAL	CA-CB	11.15	1.68	1.54
1	1I	179	VAL	CA-CB	11.15	1.68	1.54
1	2E	179	VAL	CA-CB	11.15	1.68	1.54
1	26	179	VAL	CA-CB	11.15	1.68	1.54
1	3E	179	VAL	CA-CB	11.15	1.68	1.54
1	4A	179	VAL	CA-CB	11.15	1.68	1.54
1	4M	179	VAL	CA-CB	11.15	1.68	1.54
1	4U	179	VAL	CA-CB	11.15	1.68	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	179	VAL	CA-CB	11.15	1.68	1.54
1	6I	179	VAL	CA-CB	11.15	1.68	1.54
1	6Q	179	VAL	CA-CB	11.15	1.68	1.54
1	7M	179	VAL	CA-CB	11.15	1.68	1.54
1	12	144	VAL	N-CA	-11.15	1.33	1.46
1	16	144	VAL	N-CA	-11.15	1.33	1.46
1	2A	144	VAL	N-CA	-11.15	1.33	1.46
1	3Q	144	VAL	N-CA	-11.15	1.33	1.46
1	3U	144	VAL	N-CA	-11.15	1.33	1.46
1	3Y	144	VAL	N-CA	-11.15	1.33	1.46
1	5E	144	VAL	N-CA	-11.15	1.33	1.46
1	5I	144	VAL	N-CA	-11.15	1.33	1.46
1	5M	144	VAL	N-CA	-11.15	1.33	1.46
1	62	144	VAL	N-CA	-11.15	1.33	1.46
1	66	144	VAL	N-CA	-11.15	1.33	1.46
1	7A	144	VAL	N-CA	-11.15	1.33	1.46
1	1E	179	VAL	CA-CB	11.15	1.68	1.54
1	2M	179	VAL	CA-CB	11.15	1.68	1.54
1	22	179	VAL	CA-CB	11.15	1.68	1.54
1	3M	179	VAL	CA-CB	11.15	1.68	1.54
1	36	179	VAL	CA-CB	11.15	1.68	1.54
1	4I	179	VAL	CA-CB	11.15	1.68	1.54
1	4Q	179	VAL	CA-CB	11.15	1.68	1.54
1	5Y	179	VAL	CA-CB	11.15	1.68	1.54
1	6E	179	VAL	CA-CB	11.15	1.68	1.54
1	6Y	179	VAL	CA-CB	11.15	1.68	1.54
1	7I	179	VAL	CA-CB	11.15	1.68	1.54
1	7U	179	VAL	CA-CB	11.15	1.68	1.54
1	1M	179	VAL	CA-CB	11.14	1.68	1.54
1	2I	179	VAL	CA-CB	11.14	1.68	1.54
1	3A	179	VAL	CA-CB	11.14	1.68	1.54
1	3I	179	VAL	CA-CB	11.14	1.68	1.54
1	32	179	VAL	CA-CB	11.14	1.68	1.54
1	4E	179	VAL	CA-CB	11.14	1.68	1.54
1	4Y	179	VAL	CA-CB	11.14	1.68	1.54
1	5U	179	VAL	CA-CB	11.14	1.68	1.54
1	6M	179	VAL	CA-CB	11.14	1.68	1.54
1	6U	179	VAL	CA-CB	11.14	1.68	1.54
1	7E	179	VAL	CA-CB	11.14	1.68	1.54
1	7Q	179	VAL	CA-CB	11.14	1.68	1.54
1	1M	39	GLN	N-CA	11.13	1.60	1.46
1	2I	39	GLN	N-CA	11.13	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	39	GLN	N-CA	11.13	1.60	1.46
1	3I	39	GLN	N-CA	11.13	1.60	1.46
1	32	39	GLN	N-CA	11.13	1.60	1.46
1	4E	39	GLN	N-CA	11.13	1.60	1.46
1	4Y	39	GLN	N-CA	11.13	1.60	1.46
1	5U	39	GLN	N-CA	11.13	1.60	1.46
1	6M	39	GLN	N-CA	11.13	1.60	1.46
1	6U	39	GLN	N-CA	11.13	1.60	1.46
1	7E	39	GLN	N-CA	11.13	1.60	1.46
1	7Q	39	GLN	N-CA	11.13	1.60	1.46
1	1Q	39	GLN	N-CA	11.13	1.60	1.46
1	1U	39	GLN	N-CA	11.13	1.60	1.46
1	1Y	39	GLN	N-CA	11.13	1.60	1.46
1	2Q	39	GLN	N-CA	11.13	1.60	1.46
1	2U	39	GLN	N-CA	11.13	1.60	1.46
1	2Y	39	GLN	N-CA	11.13	1.60	1.46
1	42	39	GLN	N-CA	11.13	1.60	1.46
1	46	39	GLN	N-CA	11.13	1.60	1.46
1	5A	39	GLN	N-CA	11.13	1.60	1.46
1	52	39	GLN	N-CA	11.13	1.60	1.46
1	56	39	GLN	N-CA	11.13	1.60	1.46
1	6A	39	GLN	N-CA	11.13	1.60	1.46
1	1M	155	PRO	CA-C	11.13	1.68	1.52
1	2I	155	PRO	CA-C	11.13	1.68	1.52
1	3A	155	PRO	CA-C	11.13	1.68	1.52
1	3I	155	PRO	CA-C	11.13	1.68	1.52
1	32	155	PRO	CA-C	11.13	1.68	1.52
1	4E	155	PRO	CA-C	11.13	1.68	1.52
1	4Y	155	PRO	CA-C	11.13	1.68	1.52
1	5U	155	PRO	CA-C	11.13	1.68	1.52
1	6M	155	PRO	CA-C	11.13	1.68	1.52
1	6U	155	PRO	CA-C	11.13	1.68	1.52
1	7E	155	PRO	CA-C	11.13	1.68	1.52
1	7Q	155	PRO	CA-C	11.13	1.68	1.52
1	12	39	GLN	N-CA	11.12	1.60	1.46
1	16	39	GLN	N-CA	11.12	1.60	1.46
1	2A	39	GLN	N-CA	11.12	1.60	1.46
1	3Q	39	GLN	N-CA	11.12	1.60	1.46
1	3U	39	GLN	N-CA	11.12	1.60	1.46
1	3Y	39	GLN	N-CA	11.12	1.60	1.46
1	5E	39	GLN	N-CA	11.12	1.60	1.46
1	5I	39	GLN	N-CA	11.12	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	39	GLN	N-CA	11.12	1.60	1.46
1	62	39	GLN	N-CA	11.12	1.60	1.46
1	66	39	GLN	N-CA	11.12	1.60	1.46
1	7A	39	GLN	N-CA	11.12	1.60	1.46
1	1A	39	GLN	N-CA	11.12	1.60	1.46
1	1I	39	GLN	N-CA	11.12	1.60	1.46
1	2E	39	GLN	N-CA	11.12	1.60	1.46
1	26	39	GLN	N-CA	11.12	1.60	1.46
1	3E	39	GLN	N-CA	11.12	1.60	1.46
1	4A	39	GLN	N-CA	11.12	1.60	1.46
1	4M	39	GLN	N-CA	11.12	1.60	1.46
1	4U	39	GLN	N-CA	11.12	1.60	1.46
1	5Q	39	GLN	N-CA	11.12	1.60	1.46
1	6I	39	GLN	N-CA	11.12	1.60	1.46
1	6Q	39	GLN	N-CA	11.12	1.60	1.46
1	7M	39	GLN	N-CA	11.12	1.60	1.46
2	1F	208	SER	N-CA	-11.11	1.30	1.45
2	2N	208	SER	N-CA	-11.11	1.30	1.45
2	23	208	SER	N-CA	-11.11	1.30	1.45
2	3N	208	SER	N-CA	-11.11	1.30	1.45
2	37	208	SER	N-CA	-11.11	1.30	1.45
2	4J	208	SER	N-CA	-11.11	1.30	1.45
2	4R	208	SER	N-CA	-11.11	1.30	1.45
2	5Z	208	SER	N-CA	-11.11	1.30	1.45
2	6F	208	SER	N-CA	-11.11	1.30	1.45
2	6Z	208	SER	N-CA	-11.11	1.30	1.45
2	7J	208	SER	N-CA	-11.11	1.30	1.45
2	7V	208	SER	N-CA	-11.11	1.30	1.45
2	13	208	SER	N-CA	-11.11	1.30	1.45
2	17	208	SER	N-CA	-11.11	1.30	1.45
2	2B	208	SER	N-CA	-11.11	1.30	1.45
2	3R	208	SER	N-CA	-11.11	1.30	1.45
2	3V	208	SER	N-CA	-11.11	1.30	1.45
2	3Z	208	SER	N-CA	-11.11	1.30	1.45
2	5F	208	SER	N-CA	-11.11	1.30	1.45
2	5J	208	SER	N-CA	-11.11	1.30	1.45
2	5N	208	SER	N-CA	-11.11	1.30	1.45
2	63	208	SER	N-CA	-11.11	1.30	1.45
2	67	208	SER	N-CA	-11.11	1.30	1.45
2	7B	208	SER	N-CA	-11.11	1.30	1.45
2	1N	208	SER	N-CA	-11.11	1.30	1.45
2	2J	208	SER	N-CA	-11.11	1.30	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	208	SER	N-CA	-11.11	1.30	1.45
2	3J	208	SER	N-CA	-11.11	1.30	1.45
2	33	208	SER	N-CA	-11.11	1.30	1.45
2	4F	208	SER	N-CA	-11.11	1.30	1.45
2	4Z	208	SER	N-CA	-11.11	1.30	1.45
2	5V	208	SER	N-CA	-11.11	1.30	1.45
2	6N	208	SER	N-CA	-11.11	1.30	1.45
2	6V	208	SER	N-CA	-11.11	1.30	1.45
2	7F	208	SER	N-CA	-11.11	1.30	1.45
2	7R	208	SER	N-CA	-11.11	1.30	1.45
2	1F	46	TYR	CD1-CE1	11.10	1.72	1.38
2	2N	46	TYR	CD1-CE1	11.10	1.72	1.38
2	23	46	TYR	CD1-CE1	11.10	1.72	1.38
2	3N	46	TYR	CD1-CE1	11.10	1.72	1.38
2	37	46	TYR	CD1-CE1	11.10	1.72	1.38
2	4J	46	TYR	CD1-CE1	11.10	1.72	1.38
2	4R	46	TYR	CD1-CE1	11.10	1.72	1.38
2	5Z	46	TYR	CD1-CE1	11.10	1.72	1.38
2	6F	46	TYR	CD1-CE1	11.10	1.72	1.38
2	6Z	46	TYR	CD1-CE1	11.10	1.72	1.38
2	7J	46	TYR	CD1-CE1	11.10	1.72	1.38
2	7V	46	TYR	CD1-CE1	11.10	1.72	1.38
1	1E	39	GLN	N-CA	11.10	1.60	1.46
1	2M	39	GLN	N-CA	11.10	1.60	1.46
1	22	39	GLN	N-CA	11.10	1.60	1.46
1	3M	39	GLN	N-CA	11.10	1.60	1.46
1	36	39	GLN	N-CA	11.10	1.60	1.46
1	4I	39	GLN	N-CA	11.10	1.60	1.46
1	4Q	39	GLN	N-CA	11.10	1.60	1.46
1	5Y	39	GLN	N-CA	11.10	1.60	1.46
1	6E	39	GLN	N-CA	11.10	1.60	1.46
1	6Y	39	GLN	N-CA	11.10	1.60	1.46
1	7I	39	GLN	N-CA	11.10	1.60	1.46
1	7U	39	GLN	N-CA	11.10	1.60	1.46
2	13	15	VAL	C-O	11.10	1.39	1.24
2	17	15	VAL	C-O	11.10	1.39	1.24
2	2B	15	VAL	C-O	11.10	1.39	1.24
2	3R	15	VAL	C-O	11.10	1.39	1.24
2	3V	15	VAL	C-O	11.10	1.39	1.24
2	3Z	15	VAL	C-O	11.10	1.39	1.24
2	5F	15	VAL	C-O	11.10	1.39	1.24
2	5J	15	VAL	C-O	11.10	1.39	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	15	VAL	C-O	11.10	1.39	1.24
2	63	15	VAL	C-O	11.10	1.39	1.24
2	67	15	VAL	C-O	11.10	1.39	1.24
2	7B	15	VAL	C-O	11.10	1.39	1.24
1	1A	179	VAL	C-N	11.09	1.50	1.33
2	1B	15	VAL	C-O	11.09	1.39	1.24
1	1I	179	VAL	C-N	11.09	1.50	1.33
2	1J	15	VAL	C-O	11.09	1.39	1.24
1	2E	179	VAL	C-N	11.09	1.50	1.33
2	2F	15	VAL	C-O	11.09	1.39	1.24
1	26	179	VAL	C-N	11.09	1.50	1.33
2	27	15	VAL	C-O	11.09	1.39	1.24
1	3E	179	VAL	C-N	11.09	1.50	1.33
2	3F	15	VAL	C-O	11.09	1.39	1.24
1	4A	179	VAL	C-N	11.09	1.50	1.33
2	4B	15	VAL	C-O	11.09	1.39	1.24
1	4M	179	VAL	C-N	11.09	1.50	1.33
2	4N	15	VAL	C-O	11.09	1.39	1.24
1	4U	179	VAL	C-N	11.09	1.50	1.33
2	4V	15	VAL	C-O	11.09	1.39	1.24
1	5Q	179	VAL	C-N	11.09	1.50	1.33
2	5R	15	VAL	C-O	11.09	1.39	1.24
1	6I	179	VAL	C-N	11.09	1.50	1.33
2	6J	15	VAL	C-O	11.09	1.39	1.24
1	6Q	179	VAL	C-N	11.09	1.50	1.33
2	6R	15	VAL	C-O	11.09	1.39	1.24
1	7M	179	VAL	C-N	11.09	1.50	1.33
2	7N	15	VAL	C-O	11.09	1.39	1.24
2	1N	15	VAL	C-O	11.08	1.39	1.24
2	2J	15	VAL	C-O	11.08	1.39	1.24
2	3B	15	VAL	C-O	11.08	1.39	1.24
2	3J	15	VAL	C-O	11.08	1.39	1.24
2	33	15	VAL	C-O	11.08	1.39	1.24
2	4F	15	VAL	C-O	11.08	1.39	1.24
2	4Z	15	VAL	C-O	11.08	1.39	1.24
2	5V	15	VAL	C-O	11.08	1.39	1.24
2	6N	15	VAL	C-O	11.08	1.39	1.24
2	6V	15	VAL	C-O	11.08	1.39	1.24
2	7F	15	VAL	C-O	11.08	1.39	1.24
2	7R	15	VAL	C-O	11.08	1.39	1.24
2	1B	46	TYR	CD1-CE1	11.08	1.71	1.38
2	1J	46	TYR	CD1-CE1	11.08	1.71	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Q	179	VAL	C-N	11.08	1.50	1.33
2	1R	208	SER	N-CA	-11.08	1.30	1.45
1	1U	179	VAL	C-N	11.08	1.50	1.33
2	1V	208	SER	N-CA	-11.08	1.30	1.45
1	1Y	179	VAL	C-N	11.08	1.50	1.33
2	1Z	208	SER	N-CA	-11.08	1.30	1.45
2	2F	46	TYR	CD1-CE1	11.08	1.71	1.38
1	2Q	179	VAL	C-N	11.08	1.50	1.33
2	2R	208	SER	N-CA	-11.08	1.30	1.45
1	2U	179	VAL	C-N	11.08	1.50	1.33
2	2V	208	SER	N-CA	-11.08	1.30	1.45
1	2Y	179	VAL	C-N	11.08	1.50	1.33
2	2Z	208	SER	N-CA	-11.08	1.30	1.45
2	27	46	TYR	CD1-CE1	11.08	1.71	1.38
2	3F	46	TYR	CD1-CE1	11.08	1.71	1.38
2	4B	46	TYR	CD1-CE1	11.08	1.71	1.38
2	4N	46	TYR	CD1-CE1	11.08	1.71	1.38
2	4V	46	TYR	CD1-CE1	11.08	1.71	1.38
1	42	179	VAL	C-N	11.08	1.50	1.33
2	43	208	SER	N-CA	-11.08	1.30	1.45
1	46	179	VAL	C-N	11.08	1.50	1.33
2	47	208	SER	N-CA	-11.08	1.30	1.45
1	5A	179	VAL	C-N	11.08	1.50	1.33
2	5B	208	SER	N-CA	-11.08	1.30	1.45
2	5R	46	TYR	CD1-CE1	11.08	1.71	1.38
1	52	179	VAL	C-N	11.08	1.50	1.33
2	53	208	SER	N-CA	-11.08	1.30	1.45
1	56	179	VAL	C-N	11.08	1.50	1.33
2	57	208	SER	N-CA	-11.08	1.30	1.45
1	6A	179	VAL	C-N	11.08	1.50	1.33
2	6B	208	SER	N-CA	-11.08	1.30	1.45
2	6J	46	TYR	CD1-CE1	11.08	1.71	1.38
2	6R	46	TYR	CD1-CE1	11.08	1.71	1.38
2	7N	46	TYR	CD1-CE1	11.08	1.71	1.38
1	1M	179	VAL	C-N	11.08	1.50	1.33
1	2I	179	VAL	C-N	11.08	1.50	1.33
1	3A	179	VAL	C-N	11.08	1.50	1.33
1	3I	179	VAL	C-N	11.08	1.50	1.33
1	32	179	VAL	C-N	11.08	1.50	1.33
1	4E	179	VAL	C-N	11.08	1.50	1.33
1	4Y	179	VAL	C-N	11.08	1.50	1.33
1	5U	179	VAL	C-N	11.08	1.50	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	179	VAL	C-N	11.08	1.50	1.33
1	6U	179	VAL	C-N	11.08	1.50	1.33
1	7E	179	VAL	C-N	11.08	1.50	1.33
1	7Q	179	VAL	C-N	11.08	1.50	1.33
2	1B	208	SER	N-CA	-11.07	1.30	1.45
2	1J	208	SER	N-CA	-11.07	1.30	1.45
2	13	46	TYR	CD1-CE1	11.07	1.71	1.38
2	17	46	TYR	CD1-CE1	11.07	1.71	1.38
2	2B	46	TYR	CD1-CE1	11.07	1.71	1.38
2	2F	208	SER	N-CA	-11.07	1.30	1.45
2	27	208	SER	N-CA	-11.07	1.30	1.45
2	3F	208	SER	N-CA	-11.07	1.30	1.45
2	3R	46	TYR	CD1-CE1	11.07	1.71	1.38
2	3V	46	TYR	CD1-CE1	11.07	1.71	1.38
2	3Z	46	TYR	CD1-CE1	11.07	1.71	1.38
2	4B	208	SER	N-CA	-11.07	1.30	1.45
2	4N	208	SER	N-CA	-11.07	1.30	1.45
2	4V	208	SER	N-CA	-11.07	1.30	1.45
2	5F	46	TYR	CD1-CE1	11.07	1.71	1.38
2	5J	46	TYR	CD1-CE1	11.07	1.71	1.38
2	5N	46	TYR	CD1-CE1	11.07	1.71	1.38
2	5R	208	SER	N-CA	-11.07	1.30	1.45
2	6J	208	SER	N-CA	-11.07	1.30	1.45
2	6R	208	SER	N-CA	-11.07	1.30	1.45
2	63	46	TYR	CD1-CE1	11.07	1.71	1.38
2	67	46	TYR	CD1-CE1	11.07	1.71	1.38
2	7B	46	TYR	CD1-CE1	11.07	1.71	1.38
2	7N	208	SER	N-CA	-11.07	1.30	1.45
2	1F	74	TYR	CA-CB	11.07	1.72	1.53
2	2N	74	TYR	CA-CB	11.07	1.72	1.53
2	23	74	TYR	CA-CB	11.07	1.72	1.53
2	3N	74	TYR	CA-CB	11.07	1.72	1.53
2	37	74	TYR	CA-CB	11.07	1.72	1.53
2	4J	74	TYR	CA-CB	11.07	1.72	1.53
2	4R	74	TYR	CA-CB	11.07	1.72	1.53
2	5Z	74	TYR	CA-CB	11.07	1.72	1.53
2	6F	74	TYR	CA-CB	11.07	1.72	1.53
2	6Z	74	TYR	CA-CB	11.07	1.72	1.53
2	7J	74	TYR	CA-CB	11.07	1.72	1.53
2	7V	74	TYR	CA-CB	11.07	1.72	1.53
1	1E	179	VAL	C-N	11.07	1.50	1.33
1	2M	179	VAL	C-N	11.07	1.50	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	179	VAL	C-N	11.07	1.50	1.33
1	3M	179	VAL	C-N	11.07	1.50	1.33
1	36	179	VAL	C-N	11.07	1.50	1.33
1	4I	179	VAL	C-N	11.07	1.50	1.33
1	4Q	179	VAL	C-N	11.07	1.50	1.33
1	5Y	179	VAL	C-N	11.07	1.50	1.33
1	6E	179	VAL	C-N	11.07	1.50	1.33
1	6Y	179	VAL	C-N	11.07	1.50	1.33
1	7I	179	VAL	C-N	11.07	1.50	1.33
1	7U	179	VAL	C-N	11.07	1.50	1.33
2	1R	46	TYR	CD1-CE1	11.07	1.71	1.38
2	1V	46	TYR	CD1-CE1	11.07	1.71	1.38
2	1Z	46	TYR	CD1-CE1	11.07	1.71	1.38
2	2R	46	TYR	CD1-CE1	11.07	1.71	1.38
2	2V	46	TYR	CD1-CE1	11.07	1.71	1.38
2	2Z	46	TYR	CD1-CE1	11.07	1.71	1.38
2	43	46	TYR	CD1-CE1	11.07	1.71	1.38
2	47	46	TYR	CD1-CE1	11.07	1.71	1.38
2	5B	46	TYR	CD1-CE1	11.07	1.71	1.38
2	53	46	TYR	CD1-CE1	11.07	1.71	1.38
2	57	46	TYR	CD1-CE1	11.07	1.71	1.38
2	6B	46	TYR	CD1-CE1	11.07	1.71	1.38
2	1N	46	TYR	CD1-CE1	11.05	1.71	1.38
1	12	179	VAL	C-N	11.05	1.50	1.33
1	16	179	VAL	C-N	11.05	1.50	1.33
1	2A	179	VAL	C-N	11.05	1.50	1.33
2	2J	46	TYR	CD1-CE1	11.05	1.71	1.38
2	3B	46	TYR	CD1-CE1	11.05	1.71	1.38
2	3J	46	TYR	CD1-CE1	11.05	1.71	1.38
1	3Q	179	VAL	C-N	11.05	1.50	1.33
1	3U	179	VAL	C-N	11.05	1.50	1.33
1	3Y	179	VAL	C-N	11.05	1.50	1.33
2	33	46	TYR	CD1-CE1	11.05	1.71	1.38
2	4F	46	TYR	CD1-CE1	11.05	1.71	1.38
2	4Z	46	TYR	CD1-CE1	11.05	1.71	1.38
1	5E	179	VAL	C-N	11.05	1.50	1.33
1	5I	179	VAL	C-N	11.05	1.50	1.33
1	5M	179	VAL	C-N	11.05	1.50	1.33
2	5V	46	TYR	CD1-CE1	11.05	1.71	1.38
2	6N	46	TYR	CD1-CE1	11.05	1.71	1.38
2	6V	46	TYR	CD1-CE1	11.05	1.71	1.38
1	62	179	VAL	C-N	11.05	1.50	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	179	VAL	C-N	11.05	1.50	1.33
1	7A	179	VAL	C-N	11.05	1.50	1.33
2	7F	46	TYR	CD1-CE1	11.05	1.71	1.38
2	7R	46	TYR	CD1-CE1	11.05	1.71	1.38
2	1B	74	TYR	CA-CB	11.05	1.72	1.53
2	1J	74	TYR	CA-CB	11.05	1.72	1.53
2	2F	74	TYR	CA-CB	11.05	1.72	1.53
2	27	74	TYR	CA-CB	11.05	1.72	1.53
2	3F	74	TYR	CA-CB	11.05	1.72	1.53
2	4B	74	TYR	CA-CB	11.05	1.72	1.53
2	4N	74	TYR	CA-CB	11.05	1.72	1.53
2	4V	74	TYR	CA-CB	11.05	1.72	1.53
2	5R	74	TYR	CA-CB	11.05	1.72	1.53
2	6J	74	TYR	CA-CB	11.05	1.72	1.53
2	6R	74	TYR	CA-CB	11.05	1.72	1.53
2	7N	74	TYR	CA-CB	11.05	1.72	1.53
2	1R	74	TYR	CA-CB	11.05	1.72	1.53
2	1V	74	TYR	CA-CB	11.05	1.72	1.53
2	1Z	74	TYR	CA-CB	11.05	1.72	1.53
2	2R	74	TYR	CA-CB	11.05	1.72	1.53
2	2V	74	TYR	CA-CB	11.05	1.72	1.53
2	2Z	74	TYR	CA-CB	11.05	1.72	1.53
2	43	74	TYR	CA-CB	11.05	1.72	1.53
2	47	74	TYR	CA-CB	11.05	1.72	1.53
2	5B	74	TYR	CA-CB	11.05	1.72	1.53
2	53	74	TYR	CA-CB	11.05	1.72	1.53
2	57	74	TYR	CA-CB	11.05	1.72	1.53
2	6B	74	TYR	CA-CB	11.05	1.72	1.53
2	1R	15	VAL	C-O	11.05	1.39	1.24
2	1V	15	VAL	C-O	11.05	1.39	1.24
2	1Z	15	VAL	C-O	11.05	1.39	1.24
2	2R	15	VAL	C-O	11.05	1.39	1.24
2	2V	15	VAL	C-O	11.05	1.39	1.24
2	2Z	15	VAL	C-O	11.05	1.39	1.24
2	43	15	VAL	C-O	11.05	1.39	1.24
2	47	15	VAL	C-O	11.05	1.39	1.24
2	5B	15	VAL	C-O	11.05	1.39	1.24
2	53	15	VAL	C-O	11.05	1.39	1.24
2	57	15	VAL	C-O	11.05	1.39	1.24
2	6B	15	VAL	C-O	11.05	1.39	1.24
1	1A	183	GLN	C-O	11.04	1.45	1.23
1	1I	183	GLN	C-O	11.04	1.45	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Q	183	GLN	C-O	11.04	1.45	1.23
1	1U	183	GLN	C-O	11.04	1.45	1.23
1	1Y	183	GLN	C-O	11.04	1.45	1.23
2	13	74	TYR	CA-CB	11.04	1.72	1.53
2	17	74	TYR	CA-CB	11.04	1.72	1.53
2	2B	74	TYR	CA-CB	11.04	1.72	1.53
1	2E	183	GLN	C-O	11.04	1.45	1.23
1	2Q	183	GLN	C-O	11.04	1.45	1.23
1	2U	183	GLN	C-O	11.04	1.45	1.23
1	2Y	183	GLN	C-O	11.04	1.45	1.23
1	26	183	GLN	C-O	11.04	1.45	1.23
1	3E	183	GLN	C-O	11.04	1.45	1.23
2	3R	74	TYR	CA-CB	11.04	1.72	1.53
2	3V	74	TYR	CA-CB	11.04	1.72	1.53
2	3Z	74	TYR	CA-CB	11.04	1.72	1.53
1	4A	183	GLN	C-O	11.04	1.45	1.23
1	4M	183	GLN	C-O	11.04	1.45	1.23
1	4U	183	GLN	C-O	11.04	1.45	1.23
1	42	183	GLN	C-O	11.04	1.45	1.23
1	46	183	GLN	C-O	11.04	1.45	1.23
1	5A	183	GLN	C-O	11.04	1.45	1.23
2	5F	74	TYR	CA-CB	11.04	1.72	1.53
2	5J	74	TYR	CA-CB	11.04	1.72	1.53
2	5N	74	TYR	CA-CB	11.04	1.72	1.53
1	5Q	183	GLN	C-O	11.04	1.45	1.23
1	52	183	GLN	C-O	11.04	1.45	1.23
1	56	183	GLN	C-O	11.04	1.45	1.23
1	6A	183	GLN	C-O	11.04	1.45	1.23
1	6I	183	GLN	C-O	11.04	1.45	1.23
1	6Q	183	GLN	C-O	11.04	1.45	1.23
2	63	74	TYR	CA-CB	11.04	1.72	1.53
2	67	74	TYR	CA-CB	11.04	1.72	1.53
2	7B	74	TYR	CA-CB	11.04	1.72	1.53
1	7M	183	GLN	C-O	11.04	1.45	1.23
1	1M	183	GLN	C-O	11.03	1.45	1.23
1	2I	183	GLN	C-O	11.03	1.45	1.23
1	3A	183	GLN	C-O	11.03	1.45	1.23
1	3I	183	GLN	C-O	11.03	1.45	1.23
1	32	183	GLN	C-O	11.03	1.45	1.23
1	4E	183	GLN	C-O	11.03	1.45	1.23
1	4Y	183	GLN	C-O	11.03	1.45	1.23
1	5U	183	GLN	C-O	11.03	1.45	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	183	GLN	C-O	11.03	1.45	1.23
1	6U	183	GLN	C-O	11.03	1.45	1.23
1	7E	183	GLN	C-O	11.03	1.45	1.23
1	7Q	183	GLN	C-O	11.03	1.45	1.23
1	1E	183	GLN	C-O	11.03	1.45	1.23
2	1N	74	TYR	CA-CB	11.03	1.72	1.53
1	12	183	GLN	C-O	11.03	1.45	1.23
1	16	183	GLN	C-O	11.03	1.45	1.23
1	2A	183	GLN	C-O	11.03	1.45	1.23
2	2J	74	TYR	CA-CB	11.03	1.72	1.53
1	2M	183	GLN	C-O	11.03	1.45	1.23
1	22	183	GLN	C-O	11.03	1.45	1.23
2	3B	74	TYR	CA-CB	11.03	1.72	1.53
2	3J	74	TYR	CA-CB	11.03	1.72	1.53
1	3M	183	GLN	C-O	11.03	1.45	1.23
1	3Q	183	GLN	C-O	11.03	1.45	1.23
1	3U	183	GLN	C-O	11.03	1.45	1.23
1	3Y	183	GLN	C-O	11.03	1.45	1.23
2	33	74	TYR	CA-CB	11.03	1.72	1.53
1	36	183	GLN	C-O	11.03	1.45	1.23
2	4F	74	TYR	CA-CB	11.03	1.72	1.53
1	4I	183	GLN	C-O	11.03	1.45	1.23
1	4Q	183	GLN	C-O	11.03	1.45	1.23
2	4Z	74	TYR	CA-CB	11.03	1.72	1.53
1	5E	183	GLN	C-O	11.03	1.45	1.23
1	5I	183	GLN	C-O	11.03	1.45	1.23
1	5M	183	GLN	C-O	11.03	1.45	1.23
2	5V	74	TYR	CA-CB	11.03	1.72	1.53
1	5Y	183	GLN	C-O	11.03	1.45	1.23
1	6E	183	GLN	C-O	11.03	1.45	1.23
2	6N	74	TYR	CA-CB	11.03	1.72	1.53
2	6V	74	TYR	CA-CB	11.03	1.72	1.53
1	6Y	183	GLN	C-O	11.03	1.45	1.23
1	62	183	GLN	C-O	11.03	1.45	1.23
1	66	183	GLN	C-O	11.03	1.45	1.23
1	7A	183	GLN	C-O	11.03	1.45	1.23
2	7F	74	TYR	CA-CB	11.03	1.72	1.53
1	7I	183	GLN	C-O	11.03	1.45	1.23
2	7R	74	TYR	CA-CB	11.03	1.72	1.53
1	7U	183	GLN	C-O	11.03	1.45	1.23
2	1F	15	VAL	C-O	11.03	1.39	1.24
2	2N	15	VAL	C-O	11.03	1.39	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	15	VAL	C-O	11.03	1.39	1.24
2	3N	15	VAL	C-O	11.03	1.39	1.24
2	37	15	VAL	C-O	11.03	1.39	1.24
2	4J	15	VAL	C-O	11.03	1.39	1.24
2	4R	15	VAL	C-O	11.03	1.39	1.24
2	5Z	15	VAL	C-O	11.03	1.39	1.24
2	6F	15	VAL	C-O	11.03	1.39	1.24
2	6Z	15	VAL	C-O	11.03	1.39	1.24
2	7J	15	VAL	C-O	11.03	1.39	1.24
2	7V	15	VAL	C-O	11.03	1.39	1.24
2	1R	80	GLU	C-O	-11.01	1.09	1.24
2	1V	80	GLU	C-O	-11.01	1.09	1.24
2	1Z	80	GLU	C-O	-11.01	1.09	1.24
2	2R	80	GLU	C-O	-11.01	1.09	1.24
2	2V	80	GLU	C-O	-11.01	1.09	1.24
2	2Z	80	GLU	C-O	-11.01	1.09	1.24
2	43	80	GLU	C-O	-11.01	1.09	1.24
2	47	80	GLU	C-O	-11.01	1.09	1.24
2	5B	80	GLU	C-O	-11.01	1.09	1.24
2	53	80	GLU	C-O	-11.01	1.09	1.24
2	57	80	GLU	C-O	-11.01	1.09	1.24
2	6B	80	GLU	C-O	-11.01	1.09	1.24
2	1F	80	GLU	C-O	-10.99	1.09	1.24
2	2N	80	GLU	C-O	-10.99	1.09	1.24
2	23	80	GLU	C-O	-10.99	1.09	1.24
2	3N	80	GLU	C-O	-10.99	1.09	1.24
2	37	80	GLU	C-O	-10.99	1.09	1.24
2	4J	80	GLU	C-O	-10.99	1.09	1.24
2	4R	80	GLU	C-O	-10.99	1.09	1.24
2	5Z	80	GLU	C-O	-10.99	1.09	1.24
2	6F	80	GLU	C-O	-10.99	1.09	1.24
2	6Z	80	GLU	C-O	-10.99	1.09	1.24
2	7J	80	GLU	C-O	-10.99	1.09	1.24
2	7V	80	GLU	C-O	-10.99	1.09	1.24
2	1B	80	GLU	C-O	-10.98	1.09	1.24
2	1J	80	GLU	C-O	-10.98	1.09	1.24
2	2F	80	GLU	C-O	-10.98	1.09	1.24
2	27	80	GLU	C-O	-10.98	1.09	1.24
2	3F	80	GLU	C-O	-10.98	1.09	1.24
2	4B	80	GLU	C-O	-10.98	1.09	1.24
2	4N	80	GLU	C-O	-10.98	1.09	1.24
2	4V	80	GLU	C-O	-10.98	1.09	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	80	GLU	C-O	-10.98	1.09	1.24
2	6J	80	GLU	C-O	-10.98	1.09	1.24
2	6R	80	GLU	C-O	-10.98	1.09	1.24
2	7N	80	GLU	C-O	-10.98	1.09	1.24
2	1F	32	SER	C-N	10.98	1.59	1.33
1	1Q	66	ARG	N-CA	-10.98	1.32	1.46
1	1U	66	ARG	N-CA	-10.98	1.32	1.46
1	1Y	66	ARG	N-CA	-10.98	1.32	1.46
2	2N	32	SER	C-N	10.98	1.59	1.33
1	2Q	66	ARG	N-CA	-10.98	1.32	1.46
1	2U	66	ARG	N-CA	-10.98	1.32	1.46
1	2Y	66	ARG	N-CA	-10.98	1.32	1.46
2	23	32	SER	C-N	10.98	1.59	1.33
2	3N	32	SER	C-N	10.98	1.59	1.33
2	37	32	SER	C-N	10.98	1.59	1.33
2	4J	32	SER	C-N	10.98	1.59	1.33
2	4R	32	SER	C-N	10.98	1.59	1.33
1	42	66	ARG	N-CA	-10.98	1.32	1.46
1	46	66	ARG	N-CA	-10.98	1.32	1.46
1	5A	66	ARG	N-CA	-10.98	1.32	1.46
2	5Z	32	SER	C-N	10.98	1.59	1.33
1	52	66	ARG	N-CA	-10.98	1.32	1.46
1	56	66	ARG	N-CA	-10.98	1.32	1.46
1	6A	66	ARG	N-CA	-10.98	1.32	1.46
2	6F	32	SER	C-N	10.98	1.59	1.33
2	6Z	32	SER	C-N	10.98	1.59	1.33
2	7J	32	SER	C-N	10.98	1.59	1.33
2	7V	32	SER	C-N	10.98	1.59	1.33
2	1N	54	ASN	CA-C	10.98	1.66	1.52
2	2J	54	ASN	CA-C	10.98	1.66	1.52
2	3B	54	ASN	CA-C	10.98	1.66	1.52
2	3J	54	ASN	CA-C	10.98	1.66	1.52
2	33	54	ASN	CA-C	10.98	1.66	1.52
2	4F	54	ASN	CA-C	10.98	1.66	1.52
2	4Z	54	ASN	CA-C	10.98	1.66	1.52
2	5V	54	ASN	CA-C	10.98	1.66	1.52
2	6N	54	ASN	CA-C	10.98	1.66	1.52
2	6V	54	ASN	CA-C	10.98	1.66	1.52
2	7F	54	ASN	CA-C	10.98	1.66	1.52
2	7R	54	ASN	CA-C	10.98	1.66	1.52
2	1R	54	ASN	CA-C	10.98	1.66	1.52
2	1V	54	ASN	CA-C	10.98	1.66	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	54	ASN	CA-C	10.98	1.66	1.52
1	12	183	GLN	N-CA	10.98	1.67	1.46
2	13	32	SER	C-N	10.98	1.59	1.33
2	13	80	GLU	C-O	-10.98	1.09	1.24
1	16	183	GLN	N-CA	10.98	1.67	1.46
2	17	32	SER	C-N	10.98	1.59	1.33
2	17	80	GLU	C-O	-10.98	1.09	1.24
1	2A	183	GLN	N-CA	10.98	1.67	1.46
2	2B	32	SER	C-N	10.98	1.59	1.33
2	2B	80	GLU	C-O	-10.98	1.09	1.24
2	2R	54	ASN	CA-C	10.98	1.66	1.52
2	2V	54	ASN	CA-C	10.98	1.66	1.52
2	2Z	54	ASN	CA-C	10.98	1.66	1.52
1	3Q	183	GLN	N-CA	10.98	1.67	1.46
2	3R	32	SER	C-N	10.98	1.59	1.33
2	3R	80	GLU	C-O	-10.98	1.09	1.24
1	3U	183	GLN	N-CA	10.98	1.67	1.46
2	3V	32	SER	C-N	10.98	1.59	1.33
2	3V	80	GLU	C-O	-10.98	1.09	1.24
1	3Y	183	GLN	N-CA	10.98	1.67	1.46
2	3Z	32	SER	C-N	10.98	1.59	1.33
2	3Z	80	GLU	C-O	-10.98	1.09	1.24
2	43	54	ASN	CA-C	10.98	1.66	1.52
2	47	54	ASN	CA-C	10.98	1.66	1.52
2	5B	54	ASN	CA-C	10.98	1.66	1.52
1	5E	183	GLN	N-CA	10.98	1.67	1.46
2	5F	32	SER	C-N	10.98	1.59	1.33
2	5F	80	GLU	C-O	-10.98	1.09	1.24
1	5I	183	GLN	N-CA	10.98	1.67	1.46
2	5J	32	SER	C-N	10.98	1.59	1.33
2	5J	80	GLU	C-O	-10.98	1.09	1.24
1	5M	183	GLN	N-CA	10.98	1.67	1.46
2	5N	32	SER	C-N	10.98	1.59	1.33
2	5N	80	GLU	C-O	-10.98	1.09	1.24
2	53	54	ASN	CA-C	10.98	1.66	1.52
2	57	54	ASN	CA-C	10.98	1.66	1.52
2	6B	54	ASN	CA-C	10.98	1.66	1.52
1	62	183	GLN	N-CA	10.98	1.67	1.46
2	63	32	SER	C-N	10.98	1.59	1.33
2	63	80	GLU	C-O	-10.98	1.09	1.24
1	66	183	GLN	N-CA	10.98	1.67	1.46
2	67	32	SER	C-N	10.98	1.59	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	67	80	GLU	C-O	-10.98	1.09	1.24
1	7A	183	GLN	N-CA	10.98	1.67	1.46
2	7B	32	SER	C-N	10.98	1.59	1.33
2	7B	80	GLU	C-O	-10.98	1.09	1.24
1	1A	93	ALA	CA-C	10.97	1.67	1.52
1	1E	93	ALA	CA-C	10.97	1.67	1.52
1	1I	93	ALA	CA-C	10.97	1.67	1.52
1	2E	93	ALA	CA-C	10.97	1.67	1.52
1	2M	93	ALA	CA-C	10.97	1.67	1.52
1	22	93	ALA	CA-C	10.97	1.67	1.52
1	26	93	ALA	CA-C	10.97	1.67	1.52
1	3E	93	ALA	CA-C	10.97	1.67	1.52
1	3M	93	ALA	CA-C	10.97	1.67	1.52
1	36	93	ALA	CA-C	10.97	1.67	1.52
1	4A	93	ALA	CA-C	10.97	1.67	1.52
1	4I	93	ALA	CA-C	10.97	1.67	1.52
1	4M	93	ALA	CA-C	10.97	1.67	1.52
1	4Q	93	ALA	CA-C	10.97	1.67	1.52
1	4U	93	ALA	CA-C	10.97	1.67	1.52
1	5Q	93	ALA	CA-C	10.97	1.67	1.52
1	5Y	93	ALA	CA-C	10.97	1.67	1.52
1	6E	93	ALA	CA-C	10.97	1.67	1.52
1	6I	93	ALA	CA-C	10.97	1.67	1.52
1	6Q	93	ALA	CA-C	10.97	1.67	1.52
1	6Y	93	ALA	CA-C	10.97	1.67	1.52
1	7I	93	ALA	CA-C	10.97	1.67	1.52
1	7M	93	ALA	CA-C	10.97	1.67	1.52
1	7U	93	ALA	CA-C	10.97	1.67	1.52
2	1F	54	ASN	CA-C	10.96	1.66	1.52
2	1N	32	SER	C-N	10.97	1.59	1.33
1	1Q	93	ALA	CA-C	10.96	1.67	1.52
2	4Z	32	SER	C-N	10.97	1.59	1.33
2	6V	32	SER	C-N	10.97	1.59	1.33
2	1R	32	SER	C-N	10.96	1.59	1.33
1	1U	93	ALA	CA-C	10.96	1.67	1.52
2	1V	32	SER	C-N	10.96	1.59	1.33
1	1Y	93	ALA	CA-C	10.96	1.67	1.52
2	2J	32	SER	C-N	10.97	1.59	1.33
2	3J	32	SER	C-N	10.97	1.59	1.33
2	1Z	32	SER	C-N	10.96	1.59	1.33
2	2N	54	ASN	CA-C	10.96	1.66	1.52
1	2Q	93	ALA	CA-C	10.96	1.67	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	32	SER	C-N	10.97	1.59	1.33
2	2R	32	SER	C-N	10.96	1.59	1.33
1	2U	93	ALA	CA-C	10.96	1.67	1.52
2	2V	32	SER	C-N	10.96	1.59	1.33
1	2Y	93	ALA	CA-C	10.96	1.67	1.52
2	2Z	32	SER	C-N	10.96	1.59	1.33
2	23	54	ASN	CA-C	10.96	1.66	1.52
2	3N	54	ASN	CA-C	10.96	1.66	1.52
2	33	32	SER	C-N	10.97	1.59	1.33
2	37	54	ASN	CA-C	10.96	1.66	1.52
2	4F	32	SER	C-N	10.97	1.59	1.33
2	4J	54	ASN	CA-C	10.96	1.66	1.52
2	4R	54	ASN	CA-C	10.96	1.66	1.52
1	42	93	ALA	CA-C	10.96	1.67	1.52
2	6N	32	SER	C-N	10.97	1.59	1.33
2	43	32	SER	C-N	10.96	1.59	1.33
1	46	93	ALA	CA-C	10.96	1.67	1.52
2	47	32	SER	C-N	10.96	1.59	1.33
1	5A	93	ALA	CA-C	10.96	1.67	1.52
2	5V	32	SER	C-N	10.97	1.59	1.33
2	5B	32	SER	C-N	10.96	1.59	1.33
2	5Z	54	ASN	CA-C	10.96	1.66	1.52
1	52	93	ALA	CA-C	10.96	1.67	1.52
2	53	32	SER	C-N	10.96	1.59	1.33
1	56	93	ALA	CA-C	10.96	1.67	1.52
2	57	32	SER	C-N	10.96	1.59	1.33
1	6A	93	ALA	CA-C	10.96	1.67	1.52
2	7F	32	SER	C-N	10.97	1.59	1.33
2	6B	32	SER	C-N	10.96	1.59	1.33
2	6F	54	ASN	CA-C	10.96	1.66	1.52
2	6Z	54	ASN	CA-C	10.96	1.66	1.52
2	7J	54	ASN	CA-C	10.96	1.66	1.52
2	7R	32	SER	C-N	10.97	1.59	1.33
2	7V	54	ASN	CA-C	10.96	1.66	1.52
1	12	66	ARG	N-CA	-10.96	1.32	1.46
1	16	66	ARG	N-CA	-10.96	1.32	1.46
1	2A	66	ARG	N-CA	-10.96	1.32	1.46
1	3Q	66	ARG	N-CA	-10.96	1.32	1.46
1	3U	66	ARG	N-CA	-10.96	1.32	1.46
1	3Y	66	ARG	N-CA	-10.96	1.32	1.46
1	5E	66	ARG	N-CA	-10.96	1.32	1.46
1	5I	66	ARG	N-CA	-10.96	1.32	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	66	ARG	N-CA	-10.96	1.32	1.46
1	62	66	ARG	N-CA	-10.96	1.32	1.46
1	66	66	ARG	N-CA	-10.96	1.32	1.46
1	7A	66	ARG	N-CA	-10.96	1.32	1.46
2	1B	32	SER	C-N	10.96	1.59	1.33
2	1J	32	SER	C-N	10.96	1.59	1.33
2	2F	32	SER	C-N	10.96	1.59	1.33
2	27	32	SER	C-N	10.96	1.59	1.33
2	3F	32	SER	C-N	10.96	1.59	1.33
2	4B	32	SER	C-N	10.96	1.59	1.33
2	4N	32	SER	C-N	10.96	1.59	1.33
2	4V	32	SER	C-N	10.96	1.59	1.33
2	5R	32	SER	C-N	10.96	1.59	1.33
2	6J	32	SER	C-N	10.96	1.59	1.33
2	6R	32	SER	C-N	10.96	1.59	1.33
2	7N	32	SER	C-N	10.96	1.59	1.33
1	1Q	79	THR	C-N	-10.96	1.17	1.33
1	1U	79	THR	C-N	-10.96	1.17	1.33
1	1Y	79	THR	C-N	-10.96	1.17	1.33
1	12	85	LEU	N-CA	10.96	1.61	1.46
1	16	85	LEU	N-CA	10.96	1.61	1.46
1	2A	85	LEU	N-CA	10.96	1.61	1.46
1	2Q	79	THR	C-N	-10.96	1.17	1.33
1	2U	79	THR	C-N	-10.96	1.17	1.33
1	2Y	79	THR	C-N	-10.96	1.17	1.33
1	3Q	85	LEU	N-CA	10.96	1.61	1.46
1	3U	85	LEU	N-CA	10.96	1.61	1.46
1	3Y	85	LEU	N-CA	10.96	1.61	1.46
1	42	79	THR	C-N	-10.96	1.17	1.33
1	46	79	THR	C-N	-10.96	1.17	1.33
1	5A	79	THR	C-N	-10.96	1.17	1.33
1	5E	85	LEU	N-CA	10.96	1.61	1.46
1	5I	85	LEU	N-CA	10.96	1.61	1.46
1	5M	85	LEU	N-CA	10.96	1.61	1.46
1	52	79	THR	C-N	-10.96	1.17	1.33
1	56	79	THR	C-N	-10.96	1.17	1.33
1	6A	79	THR	C-N	-10.96	1.17	1.33
1	62	85	LEU	N-CA	10.96	1.61	1.46
1	66	85	LEU	N-CA	10.96	1.61	1.46
1	7A	85	LEU	N-CA	10.96	1.61	1.46
1	1M	66	ARG	N-CA	-10.96	1.32	1.46
1	1M	79	THR	C-N	-10.96	1.17	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2I	66	ARG	N-CA	-10.96	1.32	1.46
1	2I	79	THR	C-N	-10.96	1.17	1.33
1	3A	66	ARG	N-CA	-10.96	1.32	1.46
1	3A	79	THR	C-N	-10.96	1.17	1.33
1	3I	66	ARG	N-CA	-10.96	1.32	1.46
1	3I	79	THR	C-N	-10.96	1.17	1.33
1	32	66	ARG	N-CA	-10.96	1.32	1.46
1	32	79	THR	C-N	-10.96	1.17	1.33
1	4E	66	ARG	N-CA	-10.96	1.32	1.46
1	4E	79	THR	C-N	-10.96	1.17	1.33
1	4Y	66	ARG	N-CA	-10.96	1.32	1.46
1	4Y	79	THR	C-N	-10.96	1.17	1.33
1	5U	66	ARG	N-CA	-10.96	1.32	1.46
1	5U	79	THR	C-N	-10.96	1.17	1.33
1	6M	66	ARG	N-CA	-10.96	1.32	1.46
1	6M	79	THR	C-N	-10.96	1.17	1.33
1	6U	66	ARG	N-CA	-10.96	1.32	1.46
1	6U	79	THR	C-N	-10.96	1.17	1.33
1	7E	66	ARG	N-CA	-10.96	1.32	1.46
1	7E	79	THR	C-N	-10.96	1.17	1.33
1	7Q	66	ARG	N-CA	-10.96	1.32	1.46
1	7Q	79	THR	C-N	-10.96	1.17	1.33
1	1A	66	ARG	N-CA	-10.95	1.32	1.46
1	1A	183	GLN	N-CA	10.95	1.67	1.46
1	1I	66	ARG	N-CA	-10.95	1.32	1.46
1	1I	183	GLN	N-CA	10.95	1.67	1.46
1	1Q	183	GLN	N-CA	10.95	1.67	1.46
1	1U	183	GLN	N-CA	10.95	1.67	1.46
1	1Y	183	GLN	N-CA	10.95	1.67	1.46
1	2E	66	ARG	N-CA	-10.95	1.32	1.46
1	2E	183	GLN	N-CA	10.95	1.67	1.46
1	2Q	183	GLN	N-CA	10.95	1.67	1.46
1	2U	183	GLN	N-CA	10.95	1.67	1.46
1	2Y	183	GLN	N-CA	10.95	1.67	1.46
1	26	66	ARG	N-CA	-10.95	1.32	1.46
1	26	183	GLN	N-CA	10.95	1.67	1.46
1	3E	66	ARG	N-CA	-10.95	1.32	1.46
1	3E	183	GLN	N-CA	10.95	1.67	1.46
1	4A	66	ARG	N-CA	-10.95	1.32	1.46
1	4A	183	GLN	N-CA	10.95	1.67	1.46
1	4M	66	ARG	N-CA	-10.95	1.32	1.46
1	4M	183	GLN	N-CA	10.95	1.67	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4U	66	ARG	N-CA	-10.95	1.32	1.46
1	4U	183	GLN	N-CA	10.95	1.67	1.46
1	42	183	GLN	N-CA	10.95	1.67	1.46
1	46	183	GLN	N-CA	10.95	1.67	1.46
1	5A	183	GLN	N-CA	10.95	1.67	1.46
1	5Q	66	ARG	N-CA	-10.95	1.32	1.46
1	5Q	183	GLN	N-CA	10.95	1.67	1.46
1	52	183	GLN	N-CA	10.95	1.67	1.46
1	56	183	GLN	N-CA	10.95	1.67	1.46
1	6A	183	GLN	N-CA	10.95	1.67	1.46
1	6I	66	ARG	N-CA	-10.95	1.32	1.46
1	6I	183	GLN	N-CA	10.95	1.67	1.46
1	6Q	66	ARG	N-CA	-10.95	1.32	1.46
1	6Q	183	GLN	N-CA	10.95	1.67	1.46
1	7M	66	ARG	N-CA	-10.95	1.32	1.46
1	7M	183	GLN	N-CA	10.95	1.67	1.46
2	1B	54	ASN	CA-C	10.95	1.66	1.52
2	1J	54	ASN	CA-C	10.95	1.66	1.52
2	2F	54	ASN	CA-C	10.95	1.66	1.52
2	27	54	ASN	CA-C	10.95	1.66	1.52
2	3F	54	ASN	CA-C	10.95	1.66	1.52
2	4B	54	ASN	CA-C	10.95	1.66	1.52
2	4N	54	ASN	CA-C	10.95	1.66	1.52
2	4V	54	ASN	CA-C	10.95	1.66	1.52
2	5R	54	ASN	CA-C	10.95	1.66	1.52
2	6J	54	ASN	CA-C	10.95	1.66	1.52
2	6R	54	ASN	CA-C	10.95	1.66	1.52
2	7N	54	ASN	CA-C	10.95	1.66	1.52
1	1E	183	GLN	N-CA	10.95	1.67	1.46
1	2M	183	GLN	N-CA	10.95	1.67	1.46
1	22	183	GLN	N-CA	10.95	1.67	1.46
1	3M	183	GLN	N-CA	10.95	1.67	1.46
1	36	183	GLN	N-CA	10.95	1.67	1.46
1	4I	183	GLN	N-CA	10.95	1.67	1.46
1	4Q	183	GLN	N-CA	10.95	1.67	1.46
1	5Y	183	GLN	N-CA	10.95	1.67	1.46
1	6E	183	GLN	N-CA	10.95	1.67	1.46
1	6Y	183	GLN	N-CA	10.95	1.67	1.46
1	7I	183	GLN	N-CA	10.95	1.67	1.46
1	7U	183	GLN	N-CA	10.95	1.67	1.46
2	13	54	ASN	CA-C	10.94	1.66	1.52
2	17	54	ASN	CA-C	10.94	1.66	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5J	54	ASN	CA-C	10.94	1.66	1.52
1	1A	79	THR	C-N	-10.94	1.17	1.33
1	1I	79	THR	C-N	-10.94	1.17	1.33
1	12	93	ALA	CA-C	10.94	1.67	1.52
1	16	93	ALA	CA-C	10.94	1.67	1.52
1	2A	93	ALA	CA-C	10.94	1.67	1.52
2	2B	54	ASN	CA-C	10.94	1.66	1.52
2	3R	54	ASN	CA-C	10.94	1.66	1.52
2	3V	54	ASN	CA-C	10.94	1.66	1.52
2	3Z	54	ASN	CA-C	10.94	1.66	1.52
2	67	54	ASN	CA-C	10.94	1.66	1.52
1	2E	79	THR	C-N	-10.94	1.17	1.33
1	26	79	THR	C-N	-10.94	1.17	1.33
1	3E	79	THR	C-N	-10.94	1.17	1.33
1	3Q	93	ALA	CA-C	10.94	1.67	1.52
1	3U	93	ALA	CA-C	10.94	1.67	1.52
1	3Y	93	ALA	CA-C	10.94	1.67	1.52
2	7B	54	ASN	CA-C	10.94	1.66	1.52
1	4A	79	THR	C-N	-10.94	1.17	1.33
1	4M	79	THR	C-N	-10.94	1.17	1.33
1	4U	79	THR	C-N	-10.94	1.17	1.33
1	5E	93	ALA	CA-C	10.94	1.67	1.52
2	5F	54	ASN	CA-C	10.94	1.66	1.52
1	5I	93	ALA	CA-C	10.94	1.67	1.52
1	5M	93	ALA	CA-C	10.94	1.67	1.52
2	5N	54	ASN	CA-C	10.94	1.66	1.52
2	63	54	ASN	CA-C	10.94	1.66	1.52
1	5Q	79	THR	C-N	-10.94	1.17	1.33
1	6I	79	THR	C-N	-10.94	1.17	1.33
1	6Q	79	THR	C-N	-10.94	1.17	1.33
1	62	93	ALA	CA-C	10.94	1.67	1.52
1	66	93	ALA	CA-C	10.94	1.67	1.52
1	7A	93	ALA	CA-C	10.94	1.67	1.52
1	7M	79	THR	C-N	-10.94	1.17	1.33
1	1Q	85	LEU	N-CA	10.94	1.61	1.46
1	1U	85	LEU	N-CA	10.94	1.61	1.46
1	1Y	85	LEU	N-CA	10.94	1.61	1.46
1	2Q	85	LEU	N-CA	10.94	1.61	1.46
1	2U	85	LEU	N-CA	10.94	1.61	1.46
1	2Y	85	LEU	N-CA	10.94	1.61	1.46
1	42	85	LEU	N-CA	10.94	1.61	1.46
1	46	85	LEU	N-CA	10.94	1.61	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	85	LEU	N-CA	10.94	1.61	1.46
1	52	85	LEU	N-CA	10.94	1.61	1.46
1	56	85	LEU	N-CA	10.94	1.61	1.46
1	6A	85	LEU	N-CA	10.94	1.61	1.46
1	1M	183	GLN	N-CA	10.93	1.67	1.46
1	12	79	THR	C-N	-10.93	1.17	1.33
1	16	79	THR	C-N	-10.93	1.17	1.33
1	2A	79	THR	C-N	-10.93	1.17	1.33
1	2I	183	GLN	N-CA	10.93	1.67	1.46
1	3A	183	GLN	N-CA	10.93	1.67	1.46
1	3I	183	GLN	N-CA	10.93	1.67	1.46
1	3Q	79	THR	C-N	-10.93	1.17	1.33
1	3U	79	THR	C-N	-10.93	1.17	1.33
1	3Y	79	THR	C-N	-10.93	1.17	1.33
1	32	183	GLN	N-CA	10.93	1.67	1.46
1	4E	183	GLN	N-CA	10.93	1.67	1.46
1	4Y	183	GLN	N-CA	10.93	1.67	1.46
1	5E	79	THR	C-N	-10.93	1.17	1.33
1	5I	79	THR	C-N	-10.93	1.17	1.33
1	5M	79	THR	C-N	-10.93	1.17	1.33
1	5U	183	GLN	N-CA	10.93	1.67	1.46
1	6M	183	GLN	N-CA	10.93	1.67	1.46
1	6U	183	GLN	N-CA	10.93	1.67	1.46
1	62	79	THR	C-N	-10.93	1.17	1.33
1	66	79	THR	C-N	-10.93	1.17	1.33
1	7A	79	THR	C-N	-10.93	1.17	1.33
1	7E	183	GLN	N-CA	10.93	1.67	1.46
1	7Q	183	GLN	N-CA	10.93	1.67	1.46
1	1E	79	THR	C-N	-10.93	1.17	1.33
1	1M	85	LEU	N-CA	10.93	1.61	1.46
1	2I	85	LEU	N-CA	10.93	1.61	1.46
1	2M	79	THR	C-N	-10.93	1.17	1.33
1	22	79	THR	C-N	-10.93	1.17	1.33
1	3A	85	LEU	N-CA	10.93	1.61	1.46
1	3I	85	LEU	N-CA	10.93	1.61	1.46
1	3M	79	THR	C-N	-10.93	1.17	1.33
1	32	85	LEU	N-CA	10.93	1.61	1.46
1	36	79	THR	C-N	-10.93	1.17	1.33
1	4E	85	LEU	N-CA	10.93	1.61	1.46
1	4I	79	THR	C-N	-10.93	1.17	1.33
1	4Q	79	THR	C-N	-10.93	1.17	1.33
1	4Y	85	LEU	N-CA	10.93	1.61	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5U	85	LEU	N-CA	10.93	1.61	1.46
1	5Y	79	THR	C-N	-10.93	1.17	1.33
1	6E	79	THR	C-N	-10.93	1.17	1.33
1	6M	85	LEU	N-CA	10.93	1.61	1.46
1	6U	85	LEU	N-CA	10.93	1.61	1.46
1	6Y	79	THR	C-N	-10.93	1.17	1.33
1	7E	85	LEU	N-CA	10.93	1.61	1.46
1	7I	79	THR	C-N	-10.93	1.17	1.33
1	7Q	85	LEU	N-CA	10.93	1.61	1.46
1	7U	79	THR	C-N	-10.93	1.17	1.33
2	1N	80	GLU	C-O	-10.92	1.09	1.24
2	2J	80	GLU	C-O	-10.92	1.09	1.24
2	3B	80	GLU	C-O	-10.92	1.09	1.24
2	3J	80	GLU	C-O	-10.92	1.09	1.24
2	33	80	GLU	C-O	-10.92	1.09	1.24
2	4F	80	GLU	C-O	-10.92	1.09	1.24
2	4Z	80	GLU	C-O	-10.92	1.09	1.24
2	5V	80	GLU	C-O	-10.92	1.09	1.24
2	6N	80	GLU	C-O	-10.92	1.09	1.24
2	6V	80	GLU	C-O	-10.92	1.09	1.24
2	7F	80	GLU	C-O	-10.92	1.09	1.24
2	7R	80	GLU	C-O	-10.92	1.09	1.24
1	1E	85	LEU	CG-CD2	-10.92	1.16	1.52
1	2M	85	LEU	CG-CD2	-10.92	1.16	1.52
1	22	85	LEU	CG-CD2	-10.92	1.16	1.52
1	3M	85	LEU	CG-CD2	-10.92	1.16	1.52
1	36	85	LEU	CG-CD2	-10.92	1.16	1.52
1	4I	85	LEU	CG-CD2	-10.92	1.16	1.52
1	4Q	85	LEU	CG-CD2	-10.92	1.16	1.52
1	5Y	85	LEU	CG-CD2	-10.92	1.16	1.52
1	6E	85	LEU	CG-CD2	-10.92	1.16	1.52
1	6Y	85	LEU	CG-CD2	-10.92	1.16	1.52
1	7I	85	LEU	CG-CD2	-10.92	1.16	1.52
1	7U	85	LEU	CG-CD2	-10.92	1.16	1.52
1	1A	85	LEU	N-CA	10.91	1.61	1.46
1	1E	85	LEU	N-CA	10.91	1.61	1.46
1	1I	85	LEU	N-CA	10.91	1.61	1.46
1	12	85	LEU	CG-CD2	-10.91	1.16	1.52
1	16	85	LEU	CG-CD2	-10.91	1.16	1.52
1	2A	85	LEU	CG-CD2	-10.91	1.16	1.52
1	2E	85	LEU	N-CA	10.91	1.61	1.46
1	2M	85	LEU	N-CA	10.91	1.61	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	85	LEU	N-CA	10.91	1.61	1.46
1	26	85	LEU	N-CA	10.91	1.61	1.46
1	3E	85	LEU	N-CA	10.91	1.61	1.46
1	3M	85	LEU	N-CA	10.91	1.61	1.46
1	3Q	85	LEU	CG-CD2	-10.91	1.16	1.52
1	3U	85	LEU	CG-CD2	-10.91	1.16	1.52
1	3Y	85	LEU	CG-CD2	-10.91	1.16	1.52
1	36	85	LEU	N-CA	10.91	1.61	1.46
1	4A	85	LEU	N-CA	10.91	1.61	1.46
1	4I	85	LEU	N-CA	10.91	1.61	1.46
1	4M	85	LEU	N-CA	10.91	1.61	1.46
1	4Q	85	LEU	N-CA	10.91	1.61	1.46
1	4U	85	LEU	N-CA	10.91	1.61	1.46
1	5E	85	LEU	CG-CD2	-10.91	1.16	1.52
1	5I	85	LEU	CG-CD2	-10.91	1.16	1.52
1	5M	85	LEU	CG-CD2	-10.91	1.16	1.52
1	5Q	85	LEU	N-CA	10.91	1.61	1.46
1	5Y	85	LEU	N-CA	10.91	1.61	1.46
1	6E	85	LEU	N-CA	10.91	1.61	1.46
1	6I	85	LEU	N-CA	10.91	1.61	1.46
1	6Q	85	LEU	N-CA	10.91	1.61	1.46
1	6Y	85	LEU	N-CA	10.91	1.61	1.46
1	62	85	LEU	CG-CD2	-10.91	1.16	1.52
1	66	85	LEU	CG-CD2	-10.91	1.16	1.52
1	7A	85	LEU	CG-CD2	-10.91	1.16	1.52
1	7I	85	LEU	N-CA	10.91	1.61	1.46
1	7M	85	LEU	N-CA	10.91	1.61	1.46
1	7U	85	LEU	N-CA	10.91	1.61	1.46
1	1E	66	ARG	N-CA	-10.91	1.32	1.46
1	2M	66	ARG	N-CA	-10.91	1.32	1.46
1	22	66	ARG	N-CA	-10.91	1.32	1.46
1	3M	66	ARG	N-CA	-10.91	1.32	1.46
1	36	66	ARG	N-CA	-10.91	1.32	1.46
1	4I	66	ARG	N-CA	-10.91	1.32	1.46
1	4Q	66	ARG	N-CA	-10.91	1.32	1.46
1	5Y	66	ARG	N-CA	-10.91	1.32	1.46
1	6E	66	ARG	N-CA	-10.91	1.32	1.46
1	6Y	66	ARG	N-CA	-10.91	1.32	1.46
1	7I	66	ARG	N-CA	-10.91	1.32	1.46
1	7U	66	ARG	N-CA	-10.91	1.32	1.46
1	1M	85	LEU	CG-CD2	-10.90	1.16	1.52
1	1M	93	ALA	CA-C	10.90	1.67	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2I	85	LEU	CG-CD2	-10.90	1.16	1.52
1	2I	93	ALA	CA-C	10.90	1.67	1.52
1	3A	85	LEU	CG-CD2	-10.90	1.16	1.52
1	3A	93	ALA	CA-C	10.90	1.67	1.52
1	3I	85	LEU	CG-CD2	-10.90	1.16	1.52
1	3I	93	ALA	CA-C	10.90	1.67	1.52
1	32	85	LEU	CG-CD2	-10.90	1.16	1.52
1	32	93	ALA	CA-C	10.90	1.67	1.52
1	4E	85	LEU	CG-CD2	-10.90	1.16	1.52
1	4E	93	ALA	CA-C	10.90	1.67	1.52
1	4Y	85	LEU	CG-CD2	-10.90	1.16	1.52
1	4Y	93	ALA	CA-C	10.90	1.67	1.52
1	5U	85	LEU	CG-CD2	-10.90	1.16	1.52
1	5U	93	ALA	CA-C	10.90	1.67	1.52
1	6M	85	LEU	CG-CD2	-10.90	1.16	1.52
1	6M	93	ALA	CA-C	10.90	1.67	1.52
1	6U	85	LEU	CG-CD2	-10.90	1.16	1.52
1	6U	93	ALA	CA-C	10.90	1.67	1.52
1	7E	85	LEU	CG-CD2	-10.90	1.16	1.52
1	7E	93	ALA	CA-C	10.90	1.67	1.52
1	7Q	85	LEU	CG-CD2	-10.90	1.16	1.52
1	7Q	93	ALA	CA-C	10.90	1.67	1.52
1	1A	85	LEU	CG-CD2	-10.90	1.16	1.52
1	1I	85	LEU	CG-CD2	-10.90	1.16	1.52
1	2E	85	LEU	CG-CD2	-10.90	1.16	1.52
1	26	85	LEU	CG-CD2	-10.90	1.16	1.52
1	3E	85	LEU	CG-CD2	-10.90	1.16	1.52
1	4A	85	LEU	CG-CD2	-10.90	1.16	1.52
1	4M	85	LEU	CG-CD2	-10.90	1.16	1.52
1	4U	85	LEU	CG-CD2	-10.90	1.16	1.52
1	5Q	85	LEU	CG-CD2	-10.90	1.16	1.52
1	6I	85	LEU	CG-CD2	-10.90	1.16	1.52
1	6Q	85	LEU	CG-CD2	-10.90	1.16	1.52
1	7M	85	LEU	CG-CD2	-10.90	1.16	1.52
1	1Q	85	LEU	CG-CD2	-10.90	1.16	1.52
1	1U	85	LEU	CG-CD2	-10.90	1.16	1.52
1	1Y	85	LEU	CG-CD2	-10.90	1.16	1.52
1	2Q	85	LEU	CG-CD2	-10.90	1.16	1.52
1	2U	85	LEU	CG-CD2	-10.90	1.16	1.52
1	2Y	85	LEU	CG-CD2	-10.90	1.16	1.52
1	42	85	LEU	CG-CD2	-10.90	1.16	1.52
1	46	85	LEU	CG-CD2	-10.90	1.16	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	85	LEU	CG-CD2	-10.90	1.16	1.52
1	52	85	LEU	CG-CD2	-10.90	1.16	1.52
1	56	85	LEU	CG-CD2	-10.90	1.16	1.52
1	6A	85	LEU	CG-CD2	-10.90	1.16	1.52
1	1E	29	TYR	N-CA	10.89	1.60	1.46
1	2M	29	TYR	N-CA	10.89	1.60	1.46
1	22	29	TYR	N-CA	10.89	1.60	1.46
1	3M	29	TYR	N-CA	10.89	1.60	1.46
1	36	29	TYR	N-CA	10.89	1.60	1.46
1	4I	29	TYR	N-CA	10.89	1.60	1.46
1	4Q	29	TYR	N-CA	10.89	1.60	1.46
1	5Y	29	TYR	N-CA	10.89	1.60	1.46
1	6E	29	TYR	N-CA	10.89	1.60	1.46
1	6Y	29	TYR	N-CA	10.89	1.60	1.46
1	7I	29	TYR	N-CA	10.89	1.60	1.46
1	7U	29	TYR	N-CA	10.89	1.60	1.46
1	1A	29	TYR	N-CA	10.88	1.60	1.46
1	1I	29	TYR	N-CA	10.88	1.60	1.46
1	2E	29	TYR	N-CA	10.88	1.60	1.46
1	26	29	TYR	N-CA	10.88	1.60	1.46
1	3E	29	TYR	N-CA	10.88	1.60	1.46
1	4A	29	TYR	N-CA	10.88	1.60	1.46
1	4M	29	TYR	N-CA	10.88	1.60	1.46
1	4U	29	TYR	N-CA	10.88	1.60	1.46
1	5Q	29	TYR	N-CA	10.88	1.60	1.46
1	6I	29	TYR	N-CA	10.88	1.60	1.46
1	6Q	29	TYR	N-CA	10.88	1.60	1.46
1	7M	29	TYR	N-CA	10.88	1.60	1.46
1	12	29	TYR	N-CA	10.88	1.60	1.46
1	16	29	TYR	N-CA	10.88	1.60	1.46
1	2A	29	TYR	N-CA	10.88	1.60	1.46
1	3Q	29	TYR	N-CA	10.88	1.60	1.46
1	3U	29	TYR	N-CA	10.88	1.60	1.46
1	3Y	29	TYR	N-CA	10.88	1.60	1.46
1	5E	29	TYR	N-CA	10.88	1.60	1.46
1	5I	29	TYR	N-CA	10.88	1.60	1.46
1	5M	29	TYR	N-CA	10.88	1.60	1.46
1	62	29	TYR	N-CA	10.88	1.60	1.46
1	66	29	TYR	N-CA	10.88	1.60	1.46
1	7A	29	TYR	N-CA	10.88	1.60	1.46
1	12	89	PHE	CE2-CZ	10.88	1.71	1.38
1	16	89	PHE	CE2-CZ	10.88	1.71	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	89	PHE	CE2-CZ	10.88	1.71	1.38
1	3Q	89	PHE	CE2-CZ	10.88	1.71	1.38
1	3U	89	PHE	CE2-CZ	10.88	1.71	1.38
1	3Y	89	PHE	CE2-CZ	10.88	1.71	1.38
1	5E	89	PHE	CE2-CZ	10.88	1.71	1.38
1	5I	89	PHE	CE2-CZ	10.88	1.71	1.38
1	5M	89	PHE	CE2-CZ	10.88	1.71	1.38
1	62	89	PHE	CE2-CZ	10.88	1.71	1.38
1	66	89	PHE	CE2-CZ	10.88	1.71	1.38
1	7A	89	PHE	CE2-CZ	10.88	1.71	1.38
1	1E	89	PHE	CE2-CZ	10.88	1.71	1.38
1	2M	89	PHE	CE2-CZ	10.88	1.71	1.38
1	22	89	PHE	CE2-CZ	10.88	1.71	1.38
1	3M	89	PHE	CE2-CZ	10.88	1.71	1.38
1	36	89	PHE	CE2-CZ	10.88	1.71	1.38
1	4I	89	PHE	CE2-CZ	10.88	1.71	1.38
1	4Q	89	PHE	CE2-CZ	10.88	1.71	1.38
1	5Y	89	PHE	CE2-CZ	10.88	1.71	1.38
1	6E	89	PHE	CE2-CZ	10.88	1.71	1.38
1	6Y	89	PHE	CE2-CZ	10.88	1.71	1.38
1	7I	89	PHE	CE2-CZ	10.88	1.71	1.38
1	7U	89	PHE	CE2-CZ	10.88	1.71	1.38
1	1A	18	PRO	CA-CB	10.87	1.69	1.53
1	1I	18	PRO	CA-CB	10.87	1.69	1.53
1	2E	18	PRO	CA-CB	10.87	1.69	1.53
1	26	18	PRO	CA-CB	10.87	1.69	1.53
1	3E	18	PRO	CA-CB	10.87	1.69	1.53
1	4A	18	PRO	CA-CB	10.87	1.69	1.53
1	4M	18	PRO	CA-CB	10.87	1.69	1.53
1	4U	18	PRO	CA-CB	10.87	1.69	1.53
1	5Q	18	PRO	CA-CB	10.87	1.69	1.53
1	6I	18	PRO	CA-CB	10.87	1.69	1.53
1	6Q	18	PRO	CA-CB	10.87	1.69	1.53
1	7M	18	PRO	CA-CB	10.87	1.69	1.53
1	1M	89	PHE	CE2-CZ	10.87	1.71	1.38
1	1Q	18	PRO	CA-CB	10.87	1.69	1.53
1	1U	18	PRO	CA-CB	10.87	1.69	1.53
1	1Y	18	PRO	CA-CB	10.87	1.69	1.53
1	2I	89	PHE	CE2-CZ	10.87	1.71	1.38
1	2Q	18	PRO	CA-CB	10.87	1.69	1.53
1	2U	18	PRO	CA-CB	10.87	1.69	1.53
1	2Y	18	PRO	CA-CB	10.87	1.69	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	89	PHE	CE2-CZ	10.87	1.71	1.38
1	3I	89	PHE	CE2-CZ	10.87	1.71	1.38
1	32	89	PHE	CE2-CZ	10.87	1.71	1.38
1	4E	89	PHE	CE2-CZ	10.87	1.71	1.38
1	4Y	89	PHE	CE2-CZ	10.87	1.71	1.38
1	42	18	PRO	CA-CB	10.87	1.69	1.53
1	46	18	PRO	CA-CB	10.87	1.69	1.53
1	5A	18	PRO	CA-CB	10.87	1.69	1.53
1	5U	89	PHE	CE2-CZ	10.87	1.71	1.38
1	52	18	PRO	CA-CB	10.87	1.69	1.53
1	56	18	PRO	CA-CB	10.87	1.69	1.53
1	6A	18	PRO	CA-CB	10.87	1.69	1.53
1	6M	89	PHE	CE2-CZ	10.87	1.71	1.38
1	6U	89	PHE	CE2-CZ	10.87	1.71	1.38
1	7E	89	PHE	CE2-CZ	10.87	1.71	1.38
1	7Q	89	PHE	CE2-CZ	10.87	1.71	1.38
1	12	18	PRO	CA-CB	10.87	1.69	1.53
1	16	18	PRO	CA-CB	10.87	1.69	1.53
1	2A	18	PRO	CA-CB	10.87	1.69	1.53
1	3Q	18	PRO	CA-CB	10.87	1.69	1.53
1	3U	18	PRO	CA-CB	10.87	1.69	1.53
1	3Y	18	PRO	CA-CB	10.87	1.69	1.53
1	5E	18	PRO	CA-CB	10.87	1.69	1.53
1	5I	18	PRO	CA-CB	10.87	1.69	1.53
1	5M	18	PRO	CA-CB	10.87	1.69	1.53
1	62	18	PRO	CA-CB	10.87	1.69	1.53
1	66	18	PRO	CA-CB	10.87	1.69	1.53
1	7A	18	PRO	CA-CB	10.87	1.69	1.53
1	1A	89	PHE	CE2-CZ	10.87	1.71	1.38
1	1I	89	PHE	CE2-CZ	10.87	1.71	1.38
1	2E	89	PHE	CE2-CZ	10.87	1.71	1.38
1	26	89	PHE	CE2-CZ	10.87	1.71	1.38
1	3E	89	PHE	CE2-CZ	10.87	1.71	1.38
1	4A	89	PHE	CE2-CZ	10.87	1.71	1.38
1	4M	89	PHE	CE2-CZ	10.87	1.71	1.38
1	4U	89	PHE	CE2-CZ	10.87	1.71	1.38
1	5Q	89	PHE	CE2-CZ	10.87	1.71	1.38
1	6I	89	PHE	CE2-CZ	10.87	1.71	1.38
1	6Q	89	PHE	CE2-CZ	10.87	1.71	1.38
1	7M	89	PHE	CE2-CZ	10.87	1.71	1.38
1	1Q	89	PHE	CE2-CZ	10.86	1.71	1.38
1	1U	89	PHE	CE2-CZ	10.86	1.71	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	89	PHE	CE2-CZ	10.86	1.71	1.38
1	2Q	89	PHE	CE2-CZ	10.86	1.71	1.38
1	2U	89	PHE	CE2-CZ	10.86	1.71	1.38
1	2Y	89	PHE	CE2-CZ	10.86	1.71	1.38
1	42	89	PHE	CE2-CZ	10.86	1.71	1.38
1	46	89	PHE	CE2-CZ	10.86	1.71	1.38
1	5A	89	PHE	CE2-CZ	10.86	1.71	1.38
1	52	89	PHE	CE2-CZ	10.86	1.71	1.38
1	56	89	PHE	CE2-CZ	10.86	1.71	1.38
1	6A	89	PHE	CE2-CZ	10.86	1.71	1.38
1	1Q	29	TYR	N-CA	10.85	1.60	1.46
1	1U	29	TYR	N-CA	10.85	1.60	1.46
1	1Y	29	TYR	N-CA	10.85	1.60	1.46
2	13	26	ALA	N-CA	10.85	1.75	1.45
2	17	26	ALA	N-CA	10.85	1.75	1.45
2	2B	26	ALA	N-CA	10.85	1.75	1.45
1	2Q	29	TYR	N-CA	10.85	1.60	1.46
1	2U	29	TYR	N-CA	10.85	1.60	1.46
1	2Y	29	TYR	N-CA	10.85	1.60	1.46
2	3R	26	ALA	N-CA	10.85	1.75	1.45
2	3V	26	ALA	N-CA	10.85	1.75	1.45
2	3Z	26	ALA	N-CA	10.85	1.75	1.45
1	42	29	TYR	N-CA	10.85	1.60	1.46
1	46	29	TYR	N-CA	10.85	1.60	1.46
1	5A	29	TYR	N-CA	10.85	1.60	1.46
2	5F	26	ALA	N-CA	10.85	1.75	1.45
2	5J	26	ALA	N-CA	10.85	1.75	1.45
2	5N	26	ALA	N-CA	10.85	1.75	1.45
1	52	29	TYR	N-CA	10.85	1.60	1.46
1	56	29	TYR	N-CA	10.85	1.60	1.46
1	6A	29	TYR	N-CA	10.85	1.60	1.46
2	63	26	ALA	N-CA	10.85	1.75	1.45
2	67	26	ALA	N-CA	10.85	1.75	1.45
2	7B	26	ALA	N-CA	10.85	1.75	1.45
1	1E	66	ARG	NE-CZ	-10.85	1.21	1.33
1	1M	29	TYR	N-CA	10.85	1.60	1.46
1	2I	29	TYR	N-CA	10.85	1.60	1.46
1	2M	66	ARG	NE-CZ	-10.85	1.21	1.33
1	22	66	ARG	NE-CZ	-10.85	1.21	1.33
1	3A	29	TYR	N-CA	10.85	1.60	1.46
1	3I	29	TYR	N-CA	10.85	1.60	1.46
1	3M	66	ARG	NE-CZ	-10.85	1.21	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	32	29	TYR	N-CA	10.85	1.60	1.46
1	36	66	ARG	NE-CZ	-10.85	1.21	1.33
1	4E	29	TYR	N-CA	10.85	1.60	1.46
1	4I	66	ARG	NE-CZ	-10.85	1.21	1.33
1	4Q	66	ARG	NE-CZ	-10.85	1.21	1.33
1	4Y	29	TYR	N-CA	10.85	1.60	1.46
1	5U	29	TYR	N-CA	10.85	1.60	1.46
1	5Y	66	ARG	NE-CZ	-10.85	1.21	1.33
1	6E	66	ARG	NE-CZ	-10.85	1.21	1.33
1	6M	29	TYR	N-CA	10.85	1.60	1.46
1	6U	29	TYR	N-CA	10.85	1.60	1.46
1	6Y	66	ARG	NE-CZ	-10.85	1.21	1.33
1	7E	29	TYR	N-CA	10.85	1.60	1.46
1	7I	66	ARG	NE-CZ	-10.85	1.21	1.33
1	7Q	29	TYR	N-CA	10.85	1.60	1.46
1	7U	66	ARG	NE-CZ	-10.85	1.21	1.33
2	1F	26	ALA	N-CA	10.85	1.75	1.45
2	2N	26	ALA	N-CA	10.85	1.75	1.45
2	23	26	ALA	N-CA	10.85	1.75	1.45
2	3N	26	ALA	N-CA	10.85	1.75	1.45
2	37	26	ALA	N-CA	10.85	1.75	1.45
2	4J	26	ALA	N-CA	10.85	1.75	1.45
2	4R	26	ALA	N-CA	10.85	1.75	1.45
2	5Z	26	ALA	N-CA	10.85	1.75	1.45
2	6F	26	ALA	N-CA	10.85	1.75	1.45
2	6Z	26	ALA	N-CA	10.85	1.75	1.45
2	7J	26	ALA	N-CA	10.85	1.75	1.45
2	7V	26	ALA	N-CA	10.85	1.75	1.45
2	1B	26	ALA	N-CA	10.84	1.75	1.45
2	1J	26	ALA	N-CA	10.84	1.75	1.45
2	2F	26	ALA	N-CA	10.84	1.75	1.45
2	27	26	ALA	N-CA	10.84	1.75	1.45
2	3F	26	ALA	N-CA	10.84	1.75	1.45
2	4B	26	ALA	N-CA	10.84	1.75	1.45
2	4N	26	ALA	N-CA	10.84	1.75	1.45
2	4V	26	ALA	N-CA	10.84	1.75	1.45
2	5R	26	ALA	N-CA	10.84	1.75	1.45
2	6J	26	ALA	N-CA	10.84	1.75	1.45
2	6R	26	ALA	N-CA	10.84	1.75	1.45
2	7N	26	ALA	N-CA	10.84	1.75	1.45
1	1M	18	PRO	CA-CB	10.84	1.69	1.53
1	2I	18	PRO	CA-CB	10.84	1.69	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	18	PRO	CA-CB	10.84	1.69	1.53
1	3I	18	PRO	CA-CB	10.84	1.69	1.53
1	32	18	PRO	CA-CB	10.84	1.69	1.53
1	4E	18	PRO	CA-CB	10.84	1.69	1.53
1	4Y	18	PRO	CA-CB	10.84	1.69	1.53
1	5U	18	PRO	CA-CB	10.84	1.69	1.53
1	6M	18	PRO	CA-CB	10.84	1.69	1.53
1	6U	18	PRO	CA-CB	10.84	1.69	1.53
1	7E	18	PRO	CA-CB	10.84	1.69	1.53
1	7Q	18	PRO	CA-CB	10.84	1.69	1.53
1	1E	18	PRO	CA-CB	10.84	1.69	1.53
2	13	42	HIS	CA-C	10.84	1.64	1.53
2	17	42	HIS	CA-C	10.84	1.64	1.53
2	2B	42	HIS	CA-C	10.84	1.64	1.53
1	2M	18	PRO	CA-CB	10.84	1.69	1.53
1	22	18	PRO	CA-CB	10.84	1.69	1.53
1	3M	18	PRO	CA-CB	10.84	1.69	1.53
2	3R	42	HIS	CA-C	10.84	1.64	1.53
2	3V	42	HIS	CA-C	10.84	1.64	1.53
2	3Z	42	HIS	CA-C	10.84	1.64	1.53
1	36	18	PRO	CA-CB	10.84	1.69	1.53
1	4I	18	PRO	CA-CB	10.84	1.69	1.53
1	4Q	18	PRO	CA-CB	10.84	1.69	1.53
2	5F	42	HIS	CA-C	10.84	1.64	1.53
2	5J	42	HIS	CA-C	10.84	1.64	1.53
2	5N	42	HIS	CA-C	10.84	1.64	1.53
1	5Y	18	PRO	CA-CB	10.84	1.69	1.53
1	6E	18	PRO	CA-CB	10.84	1.69	1.53
1	6Y	18	PRO	CA-CB	10.84	1.69	1.53
2	63	42	HIS	CA-C	10.84	1.64	1.53
2	67	42	HIS	CA-C	10.84	1.64	1.53
2	7B	42	HIS	CA-C	10.84	1.64	1.53
1	7I	18	PRO	CA-CB	10.84	1.69	1.53
1	7U	18	PRO	CA-CB	10.84	1.69	1.53
2	1N	26	ALA	N-CA	10.83	1.75	1.45
2	1R	26	ALA	N-CA	10.83	1.75	1.45
2	1V	26	ALA	N-CA	10.83	1.75	1.45
2	1Z	26	ALA	N-CA	10.83	1.75	1.45
2	2J	26	ALA	N-CA	10.83	1.75	1.45
2	2R	26	ALA	N-CA	10.83	1.75	1.45
2	2V	26	ALA	N-CA	10.83	1.75	1.45
2	2Z	26	ALA	N-CA	10.83	1.75	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	26	ALA	N-CA	10.83	1.75	1.45
2	3J	26	ALA	N-CA	10.83	1.75	1.45
2	33	26	ALA	N-CA	10.83	1.75	1.45
2	4F	26	ALA	N-CA	10.83	1.75	1.45
2	4Z	26	ALA	N-CA	10.83	1.75	1.45
2	43	26	ALA	N-CA	10.83	1.75	1.45
2	47	26	ALA	N-CA	10.83	1.75	1.45
2	5B	26	ALA	N-CA	10.83	1.75	1.45
2	5V	26	ALA	N-CA	10.83	1.75	1.45
2	53	26	ALA	N-CA	10.83	1.75	1.45
2	57	26	ALA	N-CA	10.83	1.75	1.45
2	6B	26	ALA	N-CA	10.83	1.75	1.45
2	6N	26	ALA	N-CA	10.83	1.75	1.45
2	6V	26	ALA	N-CA	10.83	1.75	1.45
2	7F	26	ALA	N-CA	10.83	1.75	1.45
2	7R	26	ALA	N-CA	10.83	1.75	1.45
2	1R	33	PRO	C-N	-10.82	1.18	1.33
2	1V	33	PRO	C-N	-10.82	1.18	1.33
2	1Z	33	PRO	C-N	-10.82	1.18	1.33
2	2R	33	PRO	C-N	-10.82	1.18	1.33
2	2V	33	PRO	C-N	-10.82	1.18	1.33
2	2Z	33	PRO	C-N	-10.82	1.18	1.33
2	43	33	PRO	C-N	-10.82	1.18	1.33
2	47	33	PRO	C-N	-10.82	1.18	1.33
2	5B	33	PRO	C-N	-10.82	1.18	1.33
2	53	33	PRO	C-N	-10.82	1.18	1.33
2	57	33	PRO	C-N	-10.82	1.18	1.33
2	6B	33	PRO	C-N	-10.82	1.18	1.33
2	1B	33	PRO	C-N	-10.82	1.18	1.33
2	1J	33	PRO	C-N	-10.82	1.18	1.33
2	2F	33	PRO	C-N	-10.82	1.18	1.33
2	27	33	PRO	C-N	-10.82	1.18	1.33
2	3F	33	PRO	C-N	-10.82	1.18	1.33
2	4B	33	PRO	C-N	-10.82	1.18	1.33
2	4N	33	PRO	C-N	-10.82	1.18	1.33
2	4V	33	PRO	C-N	-10.82	1.18	1.33
2	5R	33	PRO	C-N	-10.82	1.18	1.33
2	6J	33	PRO	C-N	-10.82	1.18	1.33
2	6R	33	PRO	C-N	-10.82	1.18	1.33
2	7N	33	PRO	C-N	-10.82	1.18	1.33
2	1N	33	PRO	C-N	-10.82	1.18	1.33
2	2J	33	PRO	C-N	-10.82	1.18	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	33	PRO	C-N	-10.82	1.18	1.33
2	3J	33	PRO	C-N	-10.82	1.18	1.33
2	33	33	PRO	C-N	-10.82	1.18	1.33
2	4F	33	PRO	C-N	-10.82	1.18	1.33
2	4Z	33	PRO	C-N	-10.82	1.18	1.33
2	5V	33	PRO	C-N	-10.82	1.18	1.33
2	6N	33	PRO	C-N	-10.82	1.18	1.33
2	6V	33	PRO	C-N	-10.82	1.18	1.33
2	7F	33	PRO	C-N	-10.82	1.18	1.33
2	7R	33	PRO	C-N	-10.82	1.18	1.33
1	1Q	66	ARG	NE-CZ	-10.81	1.21	1.33
1	1U	66	ARG	NE-CZ	-10.81	1.21	1.33
1	1Y	66	ARG	NE-CZ	-10.81	1.21	1.33
1	2Q	66	ARG	NE-CZ	-10.81	1.21	1.33
1	2U	66	ARG	NE-CZ	-10.81	1.21	1.33
1	2Y	66	ARG	NE-CZ	-10.81	1.21	1.33
1	42	66	ARG	NE-CZ	-10.81	1.21	1.33
1	46	66	ARG	NE-CZ	-10.81	1.21	1.33
1	5A	66	ARG	NE-CZ	-10.81	1.21	1.33
1	52	66	ARG	NE-CZ	-10.81	1.21	1.33
1	56	66	ARG	NE-CZ	-10.81	1.21	1.33
1	6A	66	ARG	NE-CZ	-10.81	1.21	1.33
2	1R	42	HIS	CA-C	10.80	1.64	1.53
2	1V	42	HIS	CA-C	10.80	1.64	1.53
2	1Z	42	HIS	CA-C	10.80	1.64	1.53
1	12	16	THR	N-CA	10.80	1.61	1.46
1	16	16	THR	N-CA	10.80	1.61	1.46
1	2A	16	THR	N-CA	10.80	1.61	1.46
2	2R	42	HIS	CA-C	10.80	1.64	1.53
2	2V	42	HIS	CA-C	10.80	1.64	1.53
2	2Z	42	HIS	CA-C	10.80	1.64	1.53
1	3Q	16	THR	N-CA	10.80	1.61	1.46
1	3U	16	THR	N-CA	10.80	1.61	1.46
1	3Y	16	THR	N-CA	10.80	1.61	1.46
2	43	42	HIS	CA-C	10.80	1.64	1.53
2	47	42	HIS	CA-C	10.80	1.64	1.53
2	5B	42	HIS	CA-C	10.80	1.64	1.53
1	5E	16	THR	N-CA	10.80	1.61	1.46
1	5I	16	THR	N-CA	10.80	1.61	1.46
1	5M	16	THR	N-CA	10.80	1.61	1.46
2	53	42	HIS	CA-C	10.80	1.64	1.53
2	57	42	HIS	CA-C	10.80	1.64	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	42	HIS	CA-C	10.80	1.64	1.53
1	62	16	THR	N-CA	10.80	1.61	1.46
1	66	16	THR	N-CA	10.80	1.61	1.46
1	7A	16	THR	N-CA	10.80	1.61	1.46
1	12	66	ARG	NE-CZ	-10.80	1.21	1.33
1	16	66	ARG	NE-CZ	-10.80	1.21	1.33
1	2A	66	ARG	NE-CZ	-10.80	1.21	1.33
1	3Q	66	ARG	NE-CZ	-10.80	1.21	1.33
1	3U	66	ARG	NE-CZ	-10.80	1.21	1.33
1	3Y	66	ARG	NE-CZ	-10.80	1.21	1.33
1	5E	66	ARG	NE-CZ	-10.80	1.21	1.33
1	5I	66	ARG	NE-CZ	-10.80	1.21	1.33
1	5M	66	ARG	NE-CZ	-10.80	1.21	1.33
1	62	66	ARG	NE-CZ	-10.80	1.21	1.33
1	66	66	ARG	NE-CZ	-10.80	1.21	1.33
1	7A	66	ARG	NE-CZ	-10.80	1.21	1.33
1	1E	151	ASN	C-N	10.79	1.47	1.33
1	1A	66	ARG	NE-CZ	-10.79	1.21	1.33
2	1F	33	PRO	C-N	-10.79	1.18	1.33
1	1I	66	ARG	NE-CZ	-10.79	1.21	1.33
1	1M	66	ARG	NE-CZ	-10.79	1.21	1.33
1	2M	151	ASN	C-N	10.79	1.47	1.33
1	22	151	ASN	C-N	10.79	1.47	1.33
1	5Y	151	ASN	C-N	10.79	1.47	1.33
2	13	33	PRO	C-N	-10.79	1.18	1.33
2	17	33	PRO	C-N	-10.79	1.18	1.33
2	2B	33	PRO	C-N	-10.79	1.18	1.33
1	2E	66	ARG	NE-CZ	-10.79	1.21	1.33
1	2I	66	ARG	NE-CZ	-10.79	1.21	1.33
2	2N	33	PRO	C-N	-10.79	1.18	1.33
2	23	33	PRO	C-N	-10.79	1.18	1.33
1	26	66	ARG	NE-CZ	-10.79	1.21	1.33
1	3A	66	ARG	NE-CZ	-10.79	1.21	1.33
1	3E	66	ARG	NE-CZ	-10.79	1.21	1.33
1	3I	66	ARG	NE-CZ	-10.79	1.21	1.33
1	3M	151	ASN	C-N	10.79	1.47	1.33
2	3N	33	PRO	C-N	-10.79	1.18	1.33
1	36	151	ASN	C-N	10.79	1.47	1.33
1	4I	151	ASN	C-N	10.79	1.47	1.33
1	6E	151	ASN	C-N	10.79	1.47	1.33
1	7U	151	ASN	C-N	10.79	1.47	1.33
2	3R	33	PRO	C-N	-10.79	1.18	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3V	33	PRO	C-N	-10.79	1.18	1.33
2	3Z	33	PRO	C-N	-10.79	1.18	1.33
1	32	66	ARG	NE-CZ	-10.79	1.21	1.33
2	37	33	PRO	C-N	-10.79	1.18	1.33
1	4A	66	ARG	NE-CZ	-10.79	1.21	1.33
1	4E	66	ARG	NE-CZ	-10.79	1.21	1.33
2	4J	33	PRO	C-N	-10.79	1.18	1.33
1	4Q	151	ASN	C-N	10.79	1.47	1.33
1	4M	66	ARG	NE-CZ	-10.79	1.21	1.33
2	4R	33	PRO	C-N	-10.79	1.18	1.33
1	4U	66	ARG	NE-CZ	-10.79	1.21	1.33
1	4Y	66	ARG	NE-CZ	-10.79	1.21	1.33
2	5F	33	PRO	C-N	-10.79	1.18	1.33
2	5J	33	PRO	C-N	-10.79	1.18	1.33
2	5N	33	PRO	C-N	-10.79	1.18	1.33
1	5Q	66	ARG	NE-CZ	-10.79	1.21	1.33
1	5U	66	ARG	NE-CZ	-10.79	1.21	1.33
2	5Z	33	PRO	C-N	-10.79	1.18	1.33
2	6F	33	PRO	C-N	-10.79	1.18	1.33
1	6I	66	ARG	NE-CZ	-10.79	1.21	1.33
1	6M	66	ARG	NE-CZ	-10.79	1.21	1.33
1	6Q	66	ARG	NE-CZ	-10.79	1.21	1.33
1	6U	66	ARG	NE-CZ	-10.79	1.21	1.33
1	6Y	151	ASN	C-N	10.79	1.47	1.33
2	6Z	33	PRO	C-N	-10.79	1.18	1.33
2	63	33	PRO	C-N	-10.79	1.18	1.33
2	67	33	PRO	C-N	-10.79	1.18	1.33
2	7B	33	PRO	C-N	-10.79	1.18	1.33
1	7E	66	ARG	NE-CZ	-10.79	1.21	1.33
1	7I	151	ASN	C-N	10.79	1.47	1.33
2	7J	33	PRO	C-N	-10.79	1.18	1.33
1	7M	66	ARG	NE-CZ	-10.79	1.21	1.33
1	7Q	66	ARG	NE-CZ	-10.79	1.21	1.33
2	7V	33	PRO	C-N	-10.79	1.18	1.33
1	1M	16	THR	N-CA	10.78	1.61	1.46
1	2I	16	THR	N-CA	10.78	1.61	1.46
1	3A	16	THR	N-CA	10.78	1.61	1.46
1	3I	16	THR	N-CA	10.78	1.61	1.46
1	32	16	THR	N-CA	10.78	1.61	1.46
1	4E	16	THR	N-CA	10.78	1.61	1.46
1	4Y	16	THR	N-CA	10.78	1.61	1.46
1	5U	16	THR	N-CA	10.78	1.61	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	16	THR	N-CA	10.78	1.61	1.46
1	6U	16	THR	N-CA	10.78	1.61	1.46
1	7E	16	THR	N-CA	10.78	1.61	1.46
1	7Q	16	THR	N-CA	10.78	1.61	1.46
2	13	108	HIS	CB-CG	10.77	1.65	1.50
2	17	108	HIS	CB-CG	10.77	1.65	1.50
2	2B	108	HIS	CB-CG	10.77	1.65	1.50
2	3R	108	HIS	CB-CG	10.77	1.65	1.50
2	3V	108	HIS	CB-CG	10.77	1.65	1.50
2	3Z	108	HIS	CB-CG	10.77	1.65	1.50
2	5F	108	HIS	CB-CG	10.77	1.65	1.50
2	5J	108	HIS	CB-CG	10.77	1.65	1.50
2	5N	108	HIS	CB-CG	10.77	1.65	1.50
2	63	108	HIS	CB-CG	10.77	1.65	1.50
2	67	108	HIS	CB-CG	10.77	1.65	1.50
2	7B	108	HIS	CB-CG	10.77	1.65	1.50
2	1F	14	THR	C-N	10.77	1.60	1.33
1	1Q	16	THR	N-CA	10.77	1.61	1.46
1	1Q	151	ASN	C-N	10.77	1.47	1.33
1	1U	16	THR	N-CA	10.77	1.61	1.46
1	1U	151	ASN	C-N	10.77	1.47	1.33
1	1Y	16	THR	N-CA	10.77	1.61	1.46
1	1Y	151	ASN	C-N	10.77	1.47	1.33
2	2N	14	THR	C-N	10.77	1.60	1.33
1	2Q	16	THR	N-CA	10.77	1.61	1.46
1	2Q	151	ASN	C-N	10.77	1.47	1.33
1	2U	16	THR	N-CA	10.77	1.61	1.46
1	2U	151	ASN	C-N	10.77	1.47	1.33
1	2Y	16	THR	N-CA	10.77	1.61	1.46
1	2Y	151	ASN	C-N	10.77	1.47	1.33
2	23	14	THR	C-N	10.77	1.60	1.33
2	3N	14	THR	C-N	10.77	1.60	1.33
2	37	14	THR	C-N	10.77	1.60	1.33
2	4J	14	THR	C-N	10.77	1.60	1.33
2	4R	14	THR	C-N	10.77	1.60	1.33
1	42	16	THR	N-CA	10.77	1.61	1.46
1	42	151	ASN	C-N	10.77	1.47	1.33
1	46	16	THR	N-CA	10.77	1.61	1.46
1	46	151	ASN	C-N	10.77	1.47	1.33
1	5A	16	THR	N-CA	10.77	1.61	1.46
1	5A	151	ASN	C-N	10.77	1.47	1.33
2	5Z	14	THR	C-N	10.77	1.60	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	52	16	THR	N-CA	10.77	1.61	1.46
1	52	151	ASN	C-N	10.77	1.47	1.33
1	56	16	THR	N-CA	10.77	1.61	1.46
1	56	151	ASN	C-N	10.77	1.47	1.33
1	6A	16	THR	N-CA	10.77	1.61	1.46
1	6A	151	ASN	C-N	10.77	1.47	1.33
2	6F	14	THR	C-N	10.77	1.60	1.33
2	6Z	14	THR	C-N	10.77	1.60	1.33
2	7J	14	THR	C-N	10.77	1.60	1.33
2	7V	14	THR	C-N	10.77	1.60	1.33
2	1B	42	HIS	CA-C	10.76	1.64	1.53
2	1J	42	HIS	CA-C	10.76	1.64	1.53
1	12	146	ASN	CG-OD1	10.76	1.44	1.23
1	16	146	ASN	CG-OD1	10.76	1.44	1.23
1	2A	146	ASN	CG-OD1	10.76	1.44	1.23
2	2F	42	HIS	CA-C	10.76	1.64	1.53
2	27	42	HIS	CA-C	10.76	1.64	1.53
2	3F	42	HIS	CA-C	10.76	1.64	1.53
1	3Q	146	ASN	CG-OD1	10.76	1.44	1.23
1	3U	146	ASN	CG-OD1	10.76	1.44	1.23
1	3Y	146	ASN	CG-OD1	10.76	1.44	1.23
2	4B	42	HIS	CA-C	10.76	1.64	1.53
2	4N	42	HIS	CA-C	10.76	1.64	1.53
2	4V	42	HIS	CA-C	10.76	1.64	1.53
1	5E	146	ASN	CG-OD1	10.76	1.44	1.23
1	5I	146	ASN	CG-OD1	10.76	1.44	1.23
1	5M	146	ASN	CG-OD1	10.76	1.44	1.23
2	5R	42	HIS	CA-C	10.76	1.64	1.53
2	6J	42	HIS	CA-C	10.76	1.64	1.53
2	6R	42	HIS	CA-C	10.76	1.64	1.53
1	62	146	ASN	CG-OD1	10.76	1.44	1.23
1	66	146	ASN	CG-OD1	10.76	1.44	1.23
1	7A	146	ASN	CG-OD1	10.76	1.44	1.23
2	7N	42	HIS	CA-C	10.76	1.64	1.53
2	1R	14	THR	C-N	10.76	1.60	1.33
2	1V	14	THR	C-N	10.76	1.60	1.33
2	1Z	14	THR	C-N	10.76	1.60	1.33
2	2R	14	THR	C-N	10.76	1.60	1.33
2	2V	14	THR	C-N	10.76	1.60	1.33
2	2Z	14	THR	C-N	10.76	1.60	1.33
2	43	14	THR	C-N	10.76	1.60	1.33
2	47	14	THR	C-N	10.76	1.60	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	14	THR	C-N	10.76	1.60	1.33
2	53	14	THR	C-N	10.76	1.60	1.33
2	57	14	THR	C-N	10.76	1.60	1.33
2	6B	14	THR	C-N	10.76	1.60	1.33
1	1A	16	THR	N-CA	10.75	1.61	1.46
1	1I	16	THR	N-CA	10.75	1.61	1.46
1	2E	16	THR	N-CA	10.75	1.61	1.46
1	26	16	THR	N-CA	10.75	1.61	1.46
1	3E	16	THR	N-CA	10.75	1.61	1.46
1	4A	16	THR	N-CA	10.75	1.61	1.46
1	4M	16	THR	N-CA	10.75	1.61	1.46
1	4U	16	THR	N-CA	10.75	1.61	1.46
1	5Q	16	THR	N-CA	10.75	1.61	1.46
1	6I	16	THR	N-CA	10.75	1.61	1.46
1	6Q	16	THR	N-CA	10.75	1.61	1.46
1	7M	16	THR	N-CA	10.75	1.61	1.46
1	1M	94	THR	N-CA	-10.75	1.32	1.46
1	2I	94	THR	N-CA	-10.75	1.32	1.46
1	3A	94	THR	N-CA	-10.75	1.32	1.46
1	3I	94	THR	N-CA	-10.75	1.32	1.46
1	32	94	THR	N-CA	-10.75	1.32	1.46
1	4E	94	THR	N-CA	-10.75	1.32	1.46
1	4Y	94	THR	N-CA	-10.75	1.32	1.46
1	5U	94	THR	N-CA	-10.75	1.32	1.46
1	6M	94	THR	N-CA	-10.75	1.32	1.46
1	6U	94	THR	N-CA	-10.75	1.32	1.46
1	7E	94	THR	N-CA	-10.75	1.32	1.46
1	7Q	94	THR	N-CA	-10.75	1.32	1.46
2	1N	42	HIS	CA-C	10.75	1.64	1.53
2	1B	14	THR	C-N	10.75	1.60	1.33
1	1E	16	THR	N-CA	10.75	1.61	1.46
2	2J	42	HIS	CA-C	10.75	1.64	1.53
2	4F	42	HIS	CA-C	10.75	1.64	1.53
2	7R	42	HIS	CA-C	10.75	1.64	1.53
2	1J	14	THR	C-N	10.75	1.60	1.33
2	2F	14	THR	C-N	10.75	1.60	1.33
1	2M	16	THR	N-CA	10.75	1.61	1.46
1	22	16	THR	N-CA	10.75	1.61	1.46
2	3B	42	HIS	CA-C	10.75	1.64	1.53
2	3J	42	HIS	CA-C	10.75	1.64	1.53
2	33	42	HIS	CA-C	10.75	1.64	1.53
2	27	14	THR	C-N	10.75	1.60	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3F	14	THR	C-N	10.75	1.60	1.33
1	3M	16	THR	N-CA	10.75	1.61	1.46
1	36	16	THR	N-CA	10.75	1.61	1.46
2	4Z	42	HIS	CA-C	10.75	1.64	1.53
2	4B	14	THR	C-N	10.75	1.60	1.33
1	4I	16	THR	N-CA	10.75	1.61	1.46
2	4N	14	THR	C-N	10.75	1.60	1.33
1	4Q	16	THR	N-CA	10.75	1.61	1.46
2	5V	42	HIS	CA-C	10.75	1.64	1.53
2	6N	42	HIS	CA-C	10.75	1.64	1.53
2	4V	14	THR	C-N	10.75	1.60	1.33
2	5R	14	THR	C-N	10.75	1.60	1.33
1	5Y	16	THR	N-CA	10.75	1.61	1.46
1	6E	16	THR	N-CA	10.75	1.61	1.46
2	6V	42	HIS	CA-C	10.75	1.64	1.53
2	7F	42	HIS	CA-C	10.75	1.64	1.53
2	6J	14	THR	C-N	10.75	1.60	1.33
2	6R	14	THR	C-N	10.75	1.60	1.33
1	6Y	16	THR	N-CA	10.75	1.61	1.46
1	7I	16	THR	N-CA	10.75	1.61	1.46
2	7N	14	THR	C-N	10.75	1.60	1.33
1	7U	16	THR	N-CA	10.75	1.61	1.46
2	1N	14	THR	C-N	10.74	1.60	1.33
2	1N	50	THR	C-O	-10.74	1.10	1.24
2	1R	50	THR	C-O	-10.74	1.10	1.24
2	1V	50	THR	C-O	-10.74	1.10	1.24
2	1Z	50	THR	C-O	-10.74	1.10	1.24
2	2J	14	THR	C-N	10.74	1.60	1.33
2	2J	50	THR	C-O	-10.74	1.10	1.24
2	3B	14	THR	C-N	10.74	1.60	1.33
2	3B	50	THR	C-O	-10.74	1.10	1.24
2	3J	14	THR	C-N	10.74	1.60	1.33
2	3J	50	THR	C-O	-10.74	1.10	1.24
2	33	14	THR	C-N	10.74	1.60	1.33
2	33	50	THR	C-O	-10.74	1.10	1.24
2	4F	14	THR	C-N	10.74	1.60	1.33
2	4F	50	THR	C-O	-10.74	1.10	1.24
2	4Z	14	THR	C-N	10.74	1.60	1.33
2	4Z	50	THR	C-O	-10.74	1.10	1.24
2	5V	14	THR	C-N	10.74	1.60	1.33
2	5V	50	THR	C-O	-10.74	1.10	1.24
2	7R	14	THR	C-N	10.74	1.60	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	12	151	ASN	C-N	10.74	1.47	1.33
1	16	151	ASN	C-N	10.74	1.47	1.33
1	2A	151	ASN	C-N	10.74	1.47	1.33
2	2R	50	THR	C-O	-10.74	1.10	1.24
2	2V	50	THR	C-O	-10.74	1.10	1.24
2	2Z	50	THR	C-O	-10.74	1.10	1.24
2	6N	14	THR	C-N	10.74	1.60	1.33
2	6N	50	THR	C-O	-10.74	1.10	1.24
2	6V	14	THR	C-N	10.74	1.60	1.33
2	6V	50	THR	C-O	-10.74	1.10	1.24
2	7R	50	THR	C-O	-10.74	1.10	1.24
1	3Q	151	ASN	C-N	10.74	1.47	1.33
1	3U	151	ASN	C-N	10.74	1.47	1.33
1	3Y	151	ASN	C-N	10.74	1.47	1.33
2	43	50	THR	C-O	-10.74	1.10	1.24
2	47	50	THR	C-O	-10.74	1.10	1.24
2	5B	50	THR	C-O	-10.74	1.10	1.24
1	5E	151	ASN	C-N	10.74	1.47	1.33
1	5I	151	ASN	C-N	10.74	1.47	1.33
1	5M	151	ASN	C-N	10.74	1.47	1.33
2	53	50	THR	C-O	-10.74	1.10	1.24
2	57	50	THR	C-O	-10.74	1.10	1.24
2	6B	50	THR	C-O	-10.74	1.10	1.24
2	7F	14	THR	C-N	10.74	1.60	1.33
2	7F	50	THR	C-O	-10.74	1.10	1.24
1	62	151	ASN	C-N	10.74	1.47	1.33
1	66	151	ASN	C-N	10.74	1.47	1.33
1	7A	151	ASN	C-N	10.74	1.47	1.33
1	1M	151	ASN	C-N	10.74	1.47	1.33
1	2I	151	ASN	C-N	10.74	1.47	1.33
1	3A	151	ASN	C-N	10.74	1.47	1.33
1	3I	151	ASN	C-N	10.74	1.47	1.33
1	32	151	ASN	C-N	10.74	1.47	1.33
1	4E	151	ASN	C-N	10.74	1.47	1.33
1	4Y	151	ASN	C-N	10.74	1.47	1.33
1	5U	151	ASN	C-N	10.74	1.47	1.33
1	6M	151	ASN	C-N	10.74	1.47	1.33
1	6U	151	ASN	C-N	10.74	1.47	1.33
1	7E	151	ASN	C-N	10.74	1.47	1.33
1	7Q	151	ASN	C-N	10.74	1.47	1.33
1	1E	146	ASN	CG-OD1	10.73	1.44	1.23
1	2M	146	ASN	CG-OD1	10.73	1.44	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	146	ASN	CG-OD1	10.73	1.44	1.23
1	3M	146	ASN	CG-OD1	10.73	1.44	1.23
1	36	146	ASN	CG-OD1	10.73	1.44	1.23
1	4I	146	ASN	CG-OD1	10.73	1.44	1.23
1	4Q	146	ASN	CG-OD1	10.73	1.44	1.23
1	5Y	146	ASN	CG-OD1	10.73	1.44	1.23
1	6E	146	ASN	CG-OD1	10.73	1.44	1.23
1	6Y	146	ASN	CG-OD1	10.73	1.44	1.23
1	7I	146	ASN	CG-OD1	10.73	1.44	1.23
1	7U	146	ASN	CG-OD1	10.73	1.44	1.23
1	1A	94	THR	N-CA	-10.73	1.32	1.46
1	1A	146	ASN	CG-OD1	10.73	1.44	1.23
1	1A	151	ASN	C-N	10.73	1.47	1.33
1	1I	94	THR	N-CA	-10.73	1.32	1.46
1	1I	146	ASN	CG-OD1	10.73	1.44	1.23
1	1I	151	ASN	C-N	10.73	1.47	1.33
1	2E	94	THR	N-CA	-10.73	1.32	1.46
1	2E	146	ASN	CG-OD1	10.73	1.44	1.23
1	2E	151	ASN	C-N	10.73	1.47	1.33
1	26	94	THR	N-CA	-10.73	1.32	1.46
1	26	146	ASN	CG-OD1	10.73	1.44	1.23
1	26	151	ASN	C-N	10.73	1.47	1.33
1	3E	94	THR	N-CA	-10.73	1.32	1.46
1	3E	146	ASN	CG-OD1	10.73	1.44	1.23
1	3E	151	ASN	C-N	10.73	1.47	1.33
1	4A	94	THR	N-CA	-10.73	1.32	1.46
1	4A	146	ASN	CG-OD1	10.73	1.44	1.23
1	4A	151	ASN	C-N	10.73	1.47	1.33
1	4M	94	THR	N-CA	-10.73	1.32	1.46
1	4M	146	ASN	CG-OD1	10.73	1.44	1.23
1	4M	151	ASN	C-N	10.73	1.47	1.33
1	4U	94	THR	N-CA	-10.73	1.32	1.46
1	4U	146	ASN	CG-OD1	10.73	1.44	1.23
1	4U	151	ASN	C-N	10.73	1.47	1.33
1	5Q	94	THR	N-CA	-10.73	1.32	1.46
1	5Q	146	ASN	CG-OD1	10.73	1.44	1.23
1	5Q	151	ASN	C-N	10.73	1.47	1.33
1	6I	94	THR	N-CA	-10.73	1.32	1.46
1	6I	146	ASN	CG-OD1	10.73	1.44	1.23
1	6I	151	ASN	C-N	10.73	1.47	1.33
1	6Q	94	THR	N-CA	-10.73	1.32	1.46
1	6Q	146	ASN	CG-OD1	10.73	1.44	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6Q	151	ASN	C-N	10.73	1.47	1.33
1	7M	94	THR	N-CA	-10.73	1.32	1.46
1	7M	146	ASN	CG-OD1	10.73	1.44	1.23
1	7M	151	ASN	C-N	10.73	1.47	1.33
1	1M	146	ASN	CG-OD1	10.72	1.44	1.23
1	2I	146	ASN	CG-OD1	10.72	1.44	1.23
1	3A	146	ASN	CG-OD1	10.72	1.44	1.23
1	4E	146	ASN	CG-OD1	10.72	1.44	1.23
1	7Q	146	ASN	CG-OD1	10.72	1.44	1.23
2	1B	50	THR	C-O	-10.72	1.10	1.24
2	1J	50	THR	C-O	-10.72	1.10	1.24
1	1Q	146	ASN	CG-OD1	10.72	1.44	1.23
1	1U	146	ASN	CG-OD1	10.72	1.44	1.23
1	1Y	146	ASN	CG-OD1	10.72	1.44	1.23
2	2F	50	THR	C-O	-10.72	1.10	1.24
1	2Q	146	ASN	CG-OD1	10.72	1.44	1.23
1	2U	146	ASN	CG-OD1	10.72	1.44	1.23
1	2Y	146	ASN	CG-OD1	10.72	1.44	1.23
1	3I	146	ASN	CG-OD1	10.72	1.44	1.23
1	32	146	ASN	CG-OD1	10.72	1.44	1.23
1	4Y	146	ASN	CG-OD1	10.72	1.44	1.23
1	7E	146	ASN	CG-OD1	10.72	1.44	1.23
2	27	50	THR	C-O	-10.72	1.10	1.24
2	3F	50	THR	C-O	-10.72	1.10	1.24
2	4B	50	THR	C-O	-10.72	1.10	1.24
2	4N	50	THR	C-O	-10.72	1.10	1.24
2	4V	50	THR	C-O	-10.72	1.10	1.24
1	42	146	ASN	CG-OD1	10.72	1.44	1.23
1	46	146	ASN	CG-OD1	10.72	1.44	1.23
1	5A	146	ASN	CG-OD1	10.72	1.44	1.23
1	5U	146	ASN	CG-OD1	10.72	1.44	1.23
2	5R	50	THR	C-O	-10.72	1.10	1.24
1	52	146	ASN	CG-OD1	10.72	1.44	1.23
1	56	146	ASN	CG-OD1	10.72	1.44	1.23
1	6A	146	ASN	CG-OD1	10.72	1.44	1.23
1	6M	146	ASN	CG-OD1	10.72	1.44	1.23
1	6U	146	ASN	CG-OD1	10.72	1.44	1.23
2	6J	50	THR	C-O	-10.72	1.10	1.24
2	6R	50	THR	C-O	-10.72	1.10	1.24
2	7N	50	THR	C-O	-10.72	1.10	1.24
2	1F	108	HIS	CB-CG	10.72	1.65	1.50
2	1N	108	HIS	CB-CG	10.72	1.65	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	13	14	THR	C-N	10.72	1.60	1.33
2	17	14	THR	C-N	10.72	1.60	1.33
2	2B	14	THR	C-N	10.72	1.60	1.33
2	2N	108	HIS	CB-CG	10.72	1.65	1.50
2	23	108	HIS	CB-CG	10.72	1.65	1.50
2	3N	108	HIS	CB-CG	10.72	1.65	1.50
2	3R	14	THR	C-N	10.72	1.60	1.33
2	3V	14	THR	C-N	10.72	1.60	1.33
2	3Z	14	THR	C-N	10.72	1.60	1.33
2	37	108	HIS	CB-CG	10.72	1.65	1.50
2	4J	108	HIS	CB-CG	10.72	1.65	1.50
2	4R	108	HIS	CB-CG	10.72	1.65	1.50
2	5F	14	THR	C-N	10.72	1.60	1.33
2	5N	14	THR	C-N	10.72	1.60	1.33
2	5Z	108	HIS	CB-CG	10.72	1.65	1.50
2	6F	108	HIS	CB-CG	10.72	1.65	1.50
2	63	14	THR	C-N	10.72	1.60	1.33
2	67	14	THR	C-N	10.72	1.60	1.33
2	7B	14	THR	C-N	10.72	1.60	1.33
2	7J	108	HIS	CB-CG	10.72	1.65	1.50
1	1Q	94	THR	N-CA	-10.72	1.32	1.46
2	1R	108	HIS	CB-CG	10.72	1.65	1.50
1	1U	94	THR	N-CA	-10.72	1.32	1.46
2	1V	108	HIS	CB-CG	10.72	1.65	1.50
1	1Y	94	THR	N-CA	-10.72	1.32	1.46
2	1Z	108	HIS	CB-CG	10.72	1.65	1.50
2	2J	108	HIS	CB-CG	10.72	1.65	1.50
2	7V	108	HIS	CB-CG	10.72	1.65	1.50
1	2Q	94	THR	N-CA	-10.72	1.32	1.46
2	2R	108	HIS	CB-CG	10.72	1.65	1.50
1	2U	94	THR	N-CA	-10.72	1.32	1.46
2	2V	108	HIS	CB-CG	10.72	1.65	1.50
1	2Y	94	THR	N-CA	-10.72	1.32	1.46
2	2Z	108	HIS	CB-CG	10.72	1.65	1.50
2	3B	108	HIS	CB-CG	10.72	1.65	1.50
2	3J	108	HIS	CB-CG	10.72	1.65	1.50
2	33	108	HIS	CB-CG	10.72	1.65	1.50
2	4F	108	HIS	CB-CG	10.72	1.65	1.50
2	4Z	108	HIS	CB-CG	10.72	1.65	1.50
2	5J	14	THR	C-N	10.72	1.60	1.33
2	6Z	108	HIS	CB-CG	10.72	1.65	1.50
1	42	94	THR	N-CA	-10.72	1.32	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	43	108	HIS	CB-CG	10.72	1.65	1.50
1	46	94	THR	N-CA	-10.72	1.32	1.46
2	47	108	HIS	CB-CG	10.72	1.65	1.50
1	5A	94	THR	N-CA	-10.72	1.32	1.46
2	5B	108	HIS	CB-CG	10.72	1.65	1.50
2	5V	108	HIS	CB-CG	10.72	1.65	1.50
1	52	94	THR	N-CA	-10.72	1.32	1.46
2	53	108	HIS	CB-CG	10.72	1.65	1.50
1	56	94	THR	N-CA	-10.72	1.32	1.46
2	57	108	HIS	CB-CG	10.72	1.65	1.50
1	6A	94	THR	N-CA	-10.72	1.32	1.46
2	6B	108	HIS	CB-CG	10.72	1.65	1.50
2	6N	108	HIS	CB-CG	10.72	1.65	1.50
2	6V	108	HIS	CB-CG	10.72	1.65	1.50
2	7F	108	HIS	CB-CG	10.72	1.65	1.50
2	7R	108	HIS	CB-CG	10.72	1.65	1.50
1	1E	94	THR	N-CA	-10.72	1.32	1.46
2	1F	42	HIS	CA-C	10.72	1.64	1.53
1	2M	94	THR	N-CA	-10.72	1.32	1.46
2	2N	42	HIS	CA-C	10.72	1.64	1.53
1	22	94	THR	N-CA	-10.72	1.32	1.46
2	23	42	HIS	CA-C	10.72	1.64	1.53
1	3M	94	THR	N-CA	-10.72	1.32	1.46
2	3N	42	HIS	CA-C	10.72	1.64	1.53
1	36	94	THR	N-CA	-10.72	1.32	1.46
2	37	42	HIS	CA-C	10.72	1.64	1.53
1	4I	94	THR	N-CA	-10.72	1.32	1.46
2	4J	42	HIS	CA-C	10.72	1.64	1.53
1	4Q	94	THR	N-CA	-10.72	1.32	1.46
2	4R	42	HIS	CA-C	10.72	1.64	1.53
1	5Y	94	THR	N-CA	-10.72	1.32	1.46
2	5Z	42	HIS	CA-C	10.72	1.64	1.53
1	6E	94	THR	N-CA	-10.72	1.32	1.46
2	6F	42	HIS	CA-C	10.72	1.64	1.53
1	6Y	94	THR	N-CA	-10.72	1.32	1.46
2	6Z	42	HIS	CA-C	10.72	1.64	1.53
1	7I	94	THR	N-CA	-10.72	1.32	1.46
2	7J	42	HIS	CA-C	10.72	1.64	1.53
1	7U	94	THR	N-CA	-10.72	1.32	1.46
2	7V	42	HIS	CA-C	10.72	1.64	1.53
2	1B	108	HIS	CB-CG	10.72	1.65	1.50
2	1J	108	HIS	CB-CG	10.72	1.65	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	108	HIS	CB-CG	10.72	1.65	1.50
2	27	108	HIS	CB-CG	10.72	1.65	1.50
2	3F	108	HIS	CB-CG	10.72	1.65	1.50
2	4B	108	HIS	CB-CG	10.72	1.65	1.50
2	4N	108	HIS	CB-CG	10.72	1.65	1.50
2	4V	108	HIS	CB-CG	10.72	1.65	1.50
2	5R	108	HIS	CB-CG	10.72	1.65	1.50
2	6J	108	HIS	CB-CG	10.72	1.65	1.50
2	6R	108	HIS	CB-CG	10.72	1.65	1.50
2	7N	108	HIS	CB-CG	10.72	1.65	1.50
1	12	94	THR	N-CA	-10.72	1.32	1.46
1	16	94	THR	N-CA	-10.72	1.32	1.46
1	2A	94	THR	N-CA	-10.72	1.32	1.46
1	3Q	94	THR	N-CA	-10.72	1.32	1.46
1	3U	94	THR	N-CA	-10.72	1.32	1.46
1	3Y	94	THR	N-CA	-10.72	1.32	1.46
1	5E	94	THR	N-CA	-10.72	1.32	1.46
1	5I	94	THR	N-CA	-10.72	1.32	1.46
1	5M	94	THR	N-CA	-10.72	1.32	1.46
1	62	94	THR	N-CA	-10.72	1.32	1.46
1	66	94	THR	N-CA	-10.72	1.32	1.46
1	7A	94	THR	N-CA	-10.72	1.32	1.46
2	1F	50	THR	C-O	-10.71	1.10	1.24
2	2N	50	THR	C-O	-10.71	1.10	1.24
2	23	50	THR	C-O	-10.71	1.10	1.24
2	3N	50	THR	C-O	-10.71	1.10	1.24
2	37	50	THR	C-O	-10.71	1.10	1.24
2	4J	50	THR	C-O	-10.71	1.10	1.24
2	4R	50	THR	C-O	-10.71	1.10	1.24
2	5Z	50	THR	C-O	-10.71	1.10	1.24
2	6F	50	THR	C-O	-10.71	1.10	1.24
2	6Z	50	THR	C-O	-10.71	1.10	1.24
2	7J	50	THR	C-O	-10.71	1.10	1.24
2	7V	50	THR	C-O	-10.71	1.10	1.24
2	13	50	THR	C-O	-10.71	1.10	1.24
2	17	50	THR	C-O	-10.71	1.10	1.24
2	2B	50	THR	C-O	-10.71	1.10	1.24
2	3R	50	THR	C-O	-10.71	1.10	1.24
2	3V	50	THR	C-O	-10.71	1.10	1.24
2	3Z	50	THR	C-O	-10.71	1.10	1.24
2	5F	50	THR	C-O	-10.71	1.10	1.24
2	5J	50	THR	C-O	-10.71	1.10	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	50	THR	C-O	-10.71	1.10	1.24
2	63	50	THR	C-O	-10.71	1.10	1.24
2	67	50	THR	C-O	-10.71	1.10	1.24
2	7B	50	THR	C-O	-10.71	1.10	1.24
1	1E	93	ALA	C-O	-10.70	1.10	1.24
1	2M	93	ALA	C-O	-10.70	1.10	1.24
1	22	93	ALA	C-O	-10.70	1.10	1.24
1	3M	93	ALA	C-O	-10.70	1.10	1.24
1	36	93	ALA	C-O	-10.70	1.10	1.24
1	4I	93	ALA	C-O	-10.70	1.10	1.24
1	4Q	93	ALA	C-O	-10.70	1.10	1.24
1	5Y	93	ALA	C-O	-10.70	1.10	1.24
1	6E	93	ALA	C-O	-10.70	1.10	1.24
1	6Y	93	ALA	C-O	-10.70	1.10	1.24
1	7I	93	ALA	C-O	-10.70	1.10	1.24
1	7U	93	ALA	C-O	-10.70	1.10	1.24
1	1M	93	ALA	C-O	-10.68	1.10	1.24
1	2I	93	ALA	C-O	-10.68	1.10	1.24
1	3A	93	ALA	C-O	-10.68	1.10	1.24
1	3I	93	ALA	C-O	-10.68	1.10	1.24
1	32	93	ALA	C-O	-10.68	1.10	1.24
1	4E	93	ALA	C-O	-10.68	1.10	1.24
1	4Y	93	ALA	C-O	-10.68	1.10	1.24
1	5U	93	ALA	C-O	-10.68	1.10	1.24
1	6M	93	ALA	C-O	-10.68	1.10	1.24
1	6U	93	ALA	C-O	-10.68	1.10	1.24
1	7E	93	ALA	C-O	-10.68	1.10	1.24
1	7Q	93	ALA	C-O	-10.68	1.10	1.24
1	12	177	GLY	C-N	10.68	1.48	1.33
1	16	177	GLY	C-N	10.68	1.48	1.33
1	2A	177	GLY	C-N	10.68	1.48	1.33
1	3Q	177	GLY	C-N	10.68	1.48	1.33
1	3U	177	GLY	C-N	10.68	1.48	1.33
1	3Y	177	GLY	C-N	10.68	1.48	1.33
1	5E	177	GLY	C-N	10.68	1.48	1.33
1	5I	177	GLY	C-N	10.68	1.48	1.33
1	5M	177	GLY	C-N	10.68	1.48	1.33
1	62	177	GLY	C-N	10.68	1.48	1.33
1	66	177	GLY	C-N	10.68	1.48	1.33
1	7A	177	GLY	C-N	10.68	1.48	1.33
1	1A	93	ALA	C-O	-10.66	1.10	1.24
1	1I	93	ALA	C-O	-10.66	1.10	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	93	ALA	C-O	-10.66	1.10	1.24
1	26	93	ALA	C-O	-10.66	1.10	1.24
1	3E	93	ALA	C-O	-10.66	1.10	1.24
1	4A	93	ALA	C-O	-10.66	1.10	1.24
1	4M	93	ALA	C-O	-10.66	1.10	1.24
1	4U	93	ALA	C-O	-10.66	1.10	1.24
1	5Q	93	ALA	C-O	-10.66	1.10	1.24
1	6I	93	ALA	C-O	-10.66	1.10	1.24
1	6Q	93	ALA	C-O	-10.66	1.10	1.24
1	7M	93	ALA	C-O	-10.66	1.10	1.24
1	1Q	177	GLY	C-N	10.66	1.48	1.33
1	1U	177	GLY	C-N	10.66	1.48	1.33
1	1Y	177	GLY	C-N	10.66	1.48	1.33
1	2Q	177	GLY	C-N	10.66	1.48	1.33
1	2U	177	GLY	C-N	10.66	1.48	1.33
1	2Y	177	GLY	C-N	10.66	1.48	1.33
1	42	177	GLY	C-N	10.66	1.48	1.33
1	46	177	GLY	C-N	10.66	1.48	1.33
1	5A	177	GLY	C-N	10.66	1.48	1.33
1	52	177	GLY	C-N	10.66	1.48	1.33
1	56	177	GLY	C-N	10.66	1.48	1.33
1	6A	177	GLY	C-N	10.66	1.48	1.33
1	1Q	51	LEU	CG-CD2	10.65	1.87	1.52
1	1U	51	LEU	CG-CD2	10.65	1.87	1.52
1	1Y	51	LEU	CG-CD2	10.65	1.87	1.52
1	12	51	LEU	CG-CD2	10.65	1.87	1.52
1	16	51	LEU	CG-CD2	10.65	1.87	1.52
1	2A	51	LEU	CG-CD2	10.65	1.87	1.52
1	2Q	51	LEU	CG-CD2	10.65	1.87	1.52
1	2U	51	LEU	CG-CD2	10.65	1.87	1.52
1	2Y	51	LEU	CG-CD2	10.65	1.87	1.52
1	3Q	51	LEU	CG-CD2	10.65	1.87	1.52
1	3U	51	LEU	CG-CD2	10.65	1.87	1.52
1	3Y	51	LEU	CG-CD2	10.65	1.87	1.52
1	42	51	LEU	CG-CD2	10.65	1.87	1.52
1	46	51	LEU	CG-CD2	10.65	1.87	1.52
1	5A	51	LEU	CG-CD2	10.65	1.87	1.52
1	5E	51	LEU	CG-CD2	10.65	1.87	1.52
1	5I	51	LEU	CG-CD2	10.65	1.87	1.52
1	5M	51	LEU	CG-CD2	10.65	1.87	1.52
1	52	51	LEU	CG-CD2	10.65	1.87	1.52
1	56	51	LEU	CG-CD2	10.65	1.87	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6A	51	LEU	CG-CD2	10.65	1.87	1.52
1	62	51	LEU	CG-CD2	10.65	1.87	1.52
1	66	51	LEU	CG-CD2	10.65	1.87	1.52
1	7A	51	LEU	CG-CD2	10.65	1.87	1.52
1	1M	177	GLY	C-N	10.65	1.48	1.33
1	2I	177	GLY	C-N	10.65	1.48	1.33
1	3A	177	GLY	C-N	10.65	1.48	1.33
1	3I	177	GLY	C-N	10.65	1.48	1.33
1	32	177	GLY	C-N	10.65	1.48	1.33
1	4E	177	GLY	C-N	10.65	1.48	1.33
1	4Y	177	GLY	C-N	10.65	1.48	1.33
1	5U	177	GLY	C-N	10.65	1.48	1.33
1	6M	177	GLY	C-N	10.65	1.48	1.33
1	6U	177	GLY	C-N	10.65	1.48	1.33
1	7E	177	GLY	C-N	10.65	1.48	1.33
1	7Q	177	GLY	C-N	10.65	1.48	1.33
2	13	26	ALA	CA-CB	-10.64	1.35	1.53
2	17	26	ALA	CA-CB	-10.64	1.35	1.53
2	2B	26	ALA	CA-CB	-10.64	1.35	1.53
2	3R	26	ALA	CA-CB	-10.64	1.35	1.53
2	3V	26	ALA	CA-CB	-10.64	1.35	1.53
2	3Z	26	ALA	CA-CB	-10.64	1.35	1.53
2	5F	26	ALA	CA-CB	-10.64	1.35	1.53
2	5J	26	ALA	CA-CB	-10.64	1.35	1.53
2	5N	26	ALA	CA-CB	-10.64	1.35	1.53
2	63	26	ALA	CA-CB	-10.64	1.35	1.53
2	67	26	ALA	CA-CB	-10.64	1.35	1.53
2	7B	26	ALA	CA-CB	-10.64	1.35	1.53
1	1A	51	LEU	CG-CD2	10.63	1.87	1.52
1	1I	51	LEU	CG-CD2	10.63	1.87	1.52
1	2E	51	LEU	CG-CD2	10.63	1.87	1.52
1	26	51	LEU	CG-CD2	10.63	1.87	1.52
1	3E	51	LEU	CG-CD2	10.63	1.87	1.52
1	4A	51	LEU	CG-CD2	10.63	1.87	1.52
1	4M	51	LEU	CG-CD2	10.63	1.87	1.52
1	4U	51	LEU	CG-CD2	10.63	1.87	1.52
1	5Q	51	LEU	CG-CD2	10.63	1.87	1.52
1	6I	51	LEU	CG-CD2	10.63	1.87	1.52
1	6Q	51	LEU	CG-CD2	10.63	1.87	1.52
1	7M	51	LEU	CG-CD2	10.63	1.87	1.52
1	1A	177	GLY	C-N	10.63	1.48	1.33
1	1E	51	LEU	CG-CD2	10.63	1.87	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1I	177	GLY	C-N	10.63	1.48	1.33
1	2E	177	GLY	C-N	10.63	1.48	1.33
1	2M	51	LEU	CG-CD2	10.63	1.87	1.52
1	22	51	LEU	CG-CD2	10.63	1.87	1.52
1	26	177	GLY	C-N	10.63	1.48	1.33
1	3E	177	GLY	C-N	10.63	1.48	1.33
1	3M	51	LEU	CG-CD2	10.63	1.87	1.52
1	36	51	LEU	CG-CD2	10.63	1.87	1.52
1	4A	177	GLY	C-N	10.63	1.48	1.33
1	4I	51	LEU	CG-CD2	10.63	1.87	1.52
1	4M	177	GLY	C-N	10.63	1.48	1.33
1	4Q	51	LEU	CG-CD2	10.63	1.87	1.52
1	4U	177	GLY	C-N	10.63	1.48	1.33
1	5Q	177	GLY	C-N	10.63	1.48	1.33
1	5Y	51	LEU	CG-CD2	10.63	1.87	1.52
1	6E	51	LEU	CG-CD2	10.63	1.87	1.52
1	6I	177	GLY	C-N	10.63	1.48	1.33
1	6Q	177	GLY	C-N	10.63	1.48	1.33
1	6Y	51	LEU	CG-CD2	10.63	1.87	1.52
1	7I	51	LEU	CG-CD2	10.63	1.87	1.52
1	7M	177	GLY	C-N	10.63	1.48	1.33
1	7U	51	LEU	CG-CD2	10.63	1.87	1.52
1	1Q	93	ALA	C-O	-10.63	1.10	1.24
1	1U	93	ALA	C-O	-10.63	1.10	1.24
1	1Y	93	ALA	C-O	-10.63	1.10	1.24
1	2Q	93	ALA	C-O	-10.63	1.10	1.24
1	2U	93	ALA	C-O	-10.63	1.10	1.24
1	2Y	93	ALA	C-O	-10.63	1.10	1.24
1	42	93	ALA	C-O	-10.63	1.10	1.24
1	46	93	ALA	C-O	-10.63	1.10	1.24
1	5A	93	ALA	C-O	-10.63	1.10	1.24
1	52	93	ALA	C-O	-10.63	1.10	1.24
1	56	93	ALA	C-O	-10.63	1.10	1.24
1	6A	93	ALA	C-O	-10.63	1.10	1.24
1	1M	51	LEU	CG-CD2	10.62	1.87	1.52
1	2I	51	LEU	CG-CD2	10.62	1.87	1.52
1	3A	51	LEU	CG-CD2	10.62	1.87	1.52
1	3I	51	LEU	CG-CD2	10.62	1.87	1.52
1	32	51	LEU	CG-CD2	10.62	1.87	1.52
1	4E	51	LEU	CG-CD2	10.62	1.87	1.52
1	4Y	51	LEU	CG-CD2	10.62	1.87	1.52
1	5U	51	LEU	CG-CD2	10.62	1.87	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	51	LEU	CG-CD2	10.62	1.87	1.52
1	6U	51	LEU	CG-CD2	10.62	1.87	1.52
1	7E	51	LEU	CG-CD2	10.62	1.87	1.52
1	7Q	51	LEU	CG-CD2	10.62	1.87	1.52
1	1M	7	GLN	N-CA	-10.62	1.33	1.46
1	2I	7	GLN	N-CA	-10.62	1.33	1.46
1	3A	7	GLN	N-CA	-10.62	1.33	1.46
1	3I	7	GLN	N-CA	-10.62	1.33	1.46
1	32	7	GLN	N-CA	-10.62	1.33	1.46
1	4E	7	GLN	N-CA	-10.62	1.33	1.46
1	4Y	7	GLN	N-CA	-10.62	1.33	1.46
1	5U	7	GLN	N-CA	-10.62	1.33	1.46
1	6M	7	GLN	N-CA	-10.62	1.33	1.46
1	6U	7	GLN	N-CA	-10.62	1.33	1.46
1	7E	7	GLN	N-CA	-10.62	1.33	1.46
1	7Q	7	GLN	N-CA	-10.62	1.33	1.46
2	1N	26	ALA	CA-CB	-10.61	1.35	1.53
2	2J	26	ALA	CA-CB	-10.61	1.35	1.53
2	3B	26	ALA	CA-CB	-10.61	1.35	1.53
2	3J	26	ALA	CA-CB	-10.61	1.35	1.53
2	33	26	ALA	CA-CB	-10.61	1.35	1.53
2	4F	26	ALA	CA-CB	-10.61	1.35	1.53
2	4Z	26	ALA	CA-CB	-10.61	1.35	1.53
2	5V	26	ALA	CA-CB	-10.61	1.35	1.53
2	6N	26	ALA	CA-CB	-10.61	1.35	1.53
2	6V	26	ALA	CA-CB	-10.61	1.35	1.53
2	7F	26	ALA	CA-CB	-10.61	1.35	1.53
2	7R	26	ALA	CA-CB	-10.61	1.35	1.53
2	1B	26	ALA	CA-CB	-10.60	1.35	1.53
2	1J	26	ALA	CA-CB	-10.60	1.35	1.53
2	1R	26	ALA	CA-CB	-10.60	1.35	1.53
2	1V	26	ALA	CA-CB	-10.60	1.35	1.53
2	1Z	26	ALA	CA-CB	-10.60	1.35	1.53
2	2F	26	ALA	CA-CB	-10.60	1.35	1.53
2	2R	26	ALA	CA-CB	-10.60	1.35	1.53
2	2V	26	ALA	CA-CB	-10.60	1.35	1.53
2	2Z	26	ALA	CA-CB	-10.60	1.35	1.53
2	27	26	ALA	CA-CB	-10.60	1.35	1.53
2	3F	26	ALA	CA-CB	-10.60	1.35	1.53
2	4B	26	ALA	CA-CB	-10.60	1.35	1.53
2	4N	26	ALA	CA-CB	-10.60	1.35	1.53
2	4V	26	ALA	CA-CB	-10.60	1.35	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	43	26	ALA	CA-CB	-10.60	1.35	1.53
2	47	26	ALA	CA-CB	-10.60	1.35	1.53
2	5B	26	ALA	CA-CB	-10.60	1.35	1.53
2	5R	26	ALA	CA-CB	-10.60	1.35	1.53
2	53	26	ALA	CA-CB	-10.60	1.35	1.53
2	57	26	ALA	CA-CB	-10.60	1.35	1.53
2	6B	26	ALA	CA-CB	-10.60	1.35	1.53
2	6J	26	ALA	CA-CB	-10.60	1.35	1.53
2	6R	26	ALA	CA-CB	-10.60	1.35	1.53
2	7N	26	ALA	CA-CB	-10.60	1.35	1.53
1	1E	177	GLY	C-N	10.60	1.48	1.33
1	2M	177	GLY	C-N	10.60	1.48	1.33
1	22	177	GLY	C-N	10.60	1.48	1.33
1	3M	177	GLY	C-N	10.60	1.48	1.33
1	36	177	GLY	C-N	10.60	1.48	1.33
1	4I	177	GLY	C-N	10.60	1.48	1.33
1	4Q	177	GLY	C-N	10.60	1.48	1.33
1	5Y	177	GLY	C-N	10.60	1.48	1.33
1	6E	177	GLY	C-N	10.60	1.48	1.33
1	6Y	177	GLY	C-N	10.60	1.48	1.33
1	7I	177	GLY	C-N	10.60	1.48	1.33
1	7U	177	GLY	C-N	10.60	1.48	1.33
2	1F	52	ASP	C-O	10.60	1.37	1.23
2	1R	52	ASP	C-O	10.60	1.37	1.23
2	1V	52	ASP	C-O	10.60	1.37	1.23
2	1Z	52	ASP	C-O	10.60	1.37	1.23
2	2N	52	ASP	C-O	10.60	1.37	1.23
2	2R	52	ASP	C-O	10.60	1.37	1.23
2	2V	52	ASP	C-O	10.60	1.37	1.23
2	2Z	52	ASP	C-O	10.60	1.37	1.23
2	23	52	ASP	C-O	10.60	1.37	1.23
2	3N	52	ASP	C-O	10.60	1.37	1.23
2	37	52	ASP	C-O	10.60	1.37	1.23
2	4J	52	ASP	C-O	10.60	1.37	1.23
2	4R	52	ASP	C-O	10.60	1.37	1.23
2	43	52	ASP	C-O	10.60	1.37	1.23
2	47	52	ASP	C-O	10.60	1.37	1.23
2	5B	52	ASP	C-O	10.60	1.37	1.23
2	5Z	52	ASP	C-O	10.60	1.37	1.23
2	53	52	ASP	C-O	10.60	1.37	1.23
2	57	52	ASP	C-O	10.60	1.37	1.23
2	6B	52	ASP	C-O	10.60	1.37	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	52	ASP	C-O	10.60	1.37	1.23
2	6Z	52	ASP	C-O	10.60	1.37	1.23
2	7J	52	ASP	C-O	10.60	1.37	1.23
2	7V	52	ASP	C-O	10.60	1.37	1.23
2	1F	70	TRP	CB-CG	-10.59	1.17	1.50
2	2N	70	TRP	CB-CG	-10.59	1.17	1.50
2	23	70	TRP	CB-CG	-10.59	1.17	1.50
2	3N	70	TRP	CB-CG	-10.59	1.17	1.50
2	37	70	TRP	CB-CG	-10.59	1.17	1.50
2	4J	70	TRP	CB-CG	-10.59	1.17	1.50
2	4R	70	TRP	CB-CG	-10.59	1.17	1.50
2	5Z	70	TRP	CB-CG	-10.59	1.17	1.50
2	6F	70	TRP	CB-CG	-10.59	1.17	1.50
2	6Z	70	TRP	CB-CG	-10.59	1.17	1.50
2	7J	70	TRP	CB-CG	-10.59	1.17	1.50
2	7V	70	TRP	CB-CG	-10.59	1.17	1.50
2	1B	70	TRP	CB-CG	-10.59	1.17	1.50
2	1F	26	ALA	CA-CB	-10.59	1.35	1.53
2	1J	70	TRP	CB-CG	-10.59	1.17	1.50
2	2F	70	TRP	CB-CG	-10.59	1.17	1.50
2	2N	26	ALA	CA-CB	-10.59	1.35	1.53
2	23	26	ALA	CA-CB	-10.59	1.35	1.53
2	27	70	TRP	CB-CG	-10.59	1.17	1.50
2	3F	70	TRP	CB-CG	-10.59	1.17	1.50
2	3N	26	ALA	CA-CB	-10.59	1.35	1.53
2	37	26	ALA	CA-CB	-10.59	1.35	1.53
2	4B	70	TRP	CB-CG	-10.59	1.17	1.50
2	4J	26	ALA	CA-CB	-10.59	1.35	1.53
2	4N	70	TRP	CB-CG	-10.59	1.17	1.50
2	4R	26	ALA	CA-CB	-10.59	1.35	1.53
2	4V	70	TRP	CB-CG	-10.59	1.17	1.50
2	5R	70	TRP	CB-CG	-10.59	1.17	1.50
2	5Z	26	ALA	CA-CB	-10.59	1.35	1.53
2	6F	26	ALA	CA-CB	-10.59	1.35	1.53
2	6J	70	TRP	CB-CG	-10.59	1.17	1.50
2	6R	70	TRP	CB-CG	-10.59	1.17	1.50
2	6Z	26	ALA	CA-CB	-10.59	1.35	1.53
2	7J	26	ALA	CA-CB	-10.59	1.35	1.53
2	7N	70	TRP	CB-CG	-10.59	1.17	1.50
2	7V	26	ALA	CA-CB	-10.59	1.35	1.53
2	1N	70	TRP	CB-CG	-10.58	1.17	1.50
2	1R	70	TRP	CB-CG	-10.58	1.17	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1V	70	TRP	CB-CG	-10.58	1.17	1.50
2	1Z	70	TRP	CB-CG	-10.58	1.17	1.50
2	2J	70	TRP	CB-CG	-10.58	1.17	1.50
2	2R	70	TRP	CB-CG	-10.58	1.17	1.50
2	2V	70	TRP	CB-CG	-10.58	1.17	1.50
2	2Z	70	TRP	CB-CG	-10.58	1.17	1.50
2	3B	70	TRP	CB-CG	-10.58	1.17	1.50
2	3J	70	TRP	CB-CG	-10.58	1.17	1.50
2	33	70	TRP	CB-CG	-10.58	1.17	1.50
2	4F	70	TRP	CB-CG	-10.58	1.17	1.50
2	4Z	70	TRP	CB-CG	-10.58	1.17	1.50
2	43	70	TRP	CB-CG	-10.58	1.17	1.50
2	47	70	TRP	CB-CG	-10.58	1.17	1.50
2	5B	70	TRP	CB-CG	-10.58	1.17	1.50
2	5V	70	TRP	CB-CG	-10.58	1.17	1.50
2	53	70	TRP	CB-CG	-10.58	1.17	1.50
2	57	70	TRP	CB-CG	-10.58	1.17	1.50
2	6B	70	TRP	CB-CG	-10.58	1.17	1.50
2	6N	70	TRP	CB-CG	-10.58	1.17	1.50
2	6V	70	TRP	CB-CG	-10.58	1.17	1.50
2	7F	70	TRP	CB-CG	-10.58	1.17	1.50
2	7R	70	TRP	CB-CG	-10.58	1.17	1.50
2	1N	227	TYR	CG-CD1	10.58	1.61	1.39
2	2J	227	TYR	CG-CD1	10.58	1.61	1.39
2	3B	227	TYR	CG-CD1	10.58	1.61	1.39
2	3J	227	TYR	CG-CD1	10.58	1.61	1.39
2	33	227	TYR	CG-CD1	10.58	1.61	1.39
2	4F	227	TYR	CG-CD1	10.58	1.61	1.39
2	4Z	227	TYR	CG-CD1	10.58	1.61	1.39
2	5V	227	TYR	CG-CD1	10.58	1.61	1.39
2	6N	227	TYR	CG-CD1	10.58	1.61	1.39
2	6V	227	TYR	CG-CD1	10.58	1.61	1.39
2	7F	227	TYR	CG-CD1	10.58	1.61	1.39
2	7R	227	TYR	CG-CD1	10.58	1.61	1.39
2	1R	72	ARG	CZ-NH1	10.58	1.47	1.32
2	1V	72	ARG	CZ-NH1	10.58	1.47	1.32
2	1Z	72	ARG	CZ-NH1	10.58	1.47	1.32
2	2R	72	ARG	CZ-NH1	10.58	1.47	1.32
2	2V	72	ARG	CZ-NH1	10.58	1.47	1.32
2	2Z	72	ARG	CZ-NH1	10.58	1.47	1.32
2	43	72	ARG	CZ-NH1	10.58	1.47	1.32
2	47	72	ARG	CZ-NH1	10.58	1.47	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	72	ARG	CZ-NH1	10.58	1.47	1.32
2	53	72	ARG	CZ-NH1	10.58	1.47	1.32
2	57	72	ARG	CZ-NH1	10.58	1.47	1.32
2	6B	72	ARG	CZ-NH1	10.58	1.47	1.32
2	1F	227	TYR	CG-CD1	10.58	1.61	1.39
2	2N	227	TYR	CG-CD1	10.58	1.61	1.39
2	23	227	TYR	CG-CD1	10.58	1.61	1.39
2	3N	227	TYR	CG-CD1	10.58	1.61	1.39
2	37	227	TYR	CG-CD1	10.58	1.61	1.39
2	4J	227	TYR	CG-CD1	10.58	1.61	1.39
2	4R	227	TYR	CG-CD1	10.58	1.61	1.39
2	5Z	227	TYR	CG-CD1	10.58	1.61	1.39
2	6F	227	TYR	CG-CD1	10.58	1.61	1.39
2	6Z	227	TYR	CG-CD1	10.58	1.61	1.39
2	7J	227	TYR	CG-CD1	10.58	1.61	1.39
2	7V	227	TYR	CG-CD1	10.58	1.61	1.39
2	1B	52	ASP	C-O	10.57	1.37	1.23
2	1F	16	ASN	CA-CB	10.57	1.74	1.53
2	1J	52	ASP	C-O	10.57	1.37	1.23
2	1R	227	TYR	CG-CD1	10.57	1.61	1.39
2	1V	227	TYR	CG-CD1	10.57	1.61	1.39
2	1Z	227	TYR	CG-CD1	10.57	1.61	1.39
2	6Z	16	ASN	CA-CB	10.57	1.74	1.53
1	12	93	ALA	C-O	-10.57	1.10	1.24
2	13	72	ARG	CZ-NH1	10.57	1.47	1.32
1	16	93	ALA	C-O	-10.57	1.10	1.24
2	17	72	ARG	CZ-NH1	10.57	1.47	1.32
1	2A	93	ALA	C-O	-10.57	1.10	1.24
2	2B	72	ARG	CZ-NH1	10.57	1.47	1.32
2	2F	52	ASP	C-O	10.57	1.37	1.23
2	2N	16	ASN	CA-CB	10.57	1.74	1.53
2	2R	227	TYR	CG-CD1	10.57	1.61	1.39
2	2V	227	TYR	CG-CD1	10.57	1.61	1.39
2	2Z	227	TYR	CG-CD1	10.57	1.61	1.39
2	23	16	ASN	CA-CB	10.57	1.74	1.53
2	27	52	ASP	C-O	10.57	1.37	1.23
2	3F	52	ASP	C-O	10.57	1.37	1.23
2	3N	16	ASN	CA-CB	10.57	1.74	1.53
2	6F	16	ASN	CA-CB	10.57	1.74	1.53
1	3Q	93	ALA	C-O	-10.57	1.10	1.24
2	3R	72	ARG	CZ-NH1	10.57	1.47	1.32
1	3U	93	ALA	C-O	-10.57	1.10	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3V	72	ARG	CZ-NH1	10.57	1.47	1.32
2	7V	16	ASN	CA-CB	10.57	1.74	1.53
1	3Y	93	ALA	C-O	-10.57	1.10	1.24
2	3Z	72	ARG	CZ-NH1	10.57	1.47	1.32
2	37	16	ASN	CA-CB	10.57	1.74	1.53
2	4B	52	ASP	C-O	10.57	1.37	1.23
2	4J	16	ASN	CA-CB	10.57	1.74	1.53
2	4N	52	ASP	C-O	10.57	1.37	1.23
2	4R	16	ASN	CA-CB	10.57	1.74	1.53
2	4V	52	ASP	C-O	10.57	1.37	1.23
2	43	227	TYR	CG-CD1	10.57	1.61	1.39
2	47	227	TYR	CG-CD1	10.57	1.61	1.39
2	5B	227	TYR	CG-CD1	10.57	1.61	1.39
1	5E	93	ALA	C-O	-10.57	1.10	1.24
2	5F	72	ARG	CZ-NH1	10.57	1.47	1.32
1	5I	93	ALA	C-O	-10.57	1.10	1.24
2	5J	72	ARG	CZ-NH1	10.57	1.47	1.32
1	5M	93	ALA	C-O	-10.57	1.10	1.24
2	5N	72	ARG	CZ-NH1	10.57	1.47	1.32
2	5R	52	ASP	C-O	10.57	1.37	1.23
2	5Z	16	ASN	CA-CB	10.57	1.74	1.53
2	53	227	TYR	CG-CD1	10.57	1.61	1.39
2	57	227	TYR	CG-CD1	10.57	1.61	1.39
2	6B	227	TYR	CG-CD1	10.57	1.61	1.39
2	6J	52	ASP	C-O	10.57	1.37	1.23
2	6R	52	ASP	C-O	10.57	1.37	1.23
2	7J	16	ASN	CA-CB	10.57	1.74	1.53
1	62	93	ALA	C-O	-10.57	1.10	1.24
2	63	72	ARG	CZ-NH1	10.57	1.47	1.32
1	66	93	ALA	C-O	-10.57	1.10	1.24
2	67	72	ARG	CZ-NH1	10.57	1.47	1.32
1	7A	93	ALA	C-O	-10.57	1.10	1.24
2	7B	72	ARG	CZ-NH1	10.57	1.47	1.32
2	7N	52	ASP	C-O	10.57	1.37	1.23
1	1E	7	GLN	N-CA	-10.57	1.33	1.46
1	2M	7	GLN	N-CA	-10.57	1.33	1.46
1	22	7	GLN	N-CA	-10.57	1.33	1.46
1	3M	7	GLN	N-CA	-10.57	1.33	1.46
1	36	7	GLN	N-CA	-10.57	1.33	1.46
1	4I	7	GLN	N-CA	-10.57	1.33	1.46
1	4Q	7	GLN	N-CA	-10.57	1.33	1.46
1	5Y	7	GLN	N-CA	-10.57	1.33	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	7	GLN	N-CA	-10.57	1.33	1.46
1	6Y	7	GLN	N-CA	-10.57	1.33	1.46
1	7I	7	GLN	N-CA	-10.57	1.33	1.46
1	7U	7	GLN	N-CA	-10.57	1.33	1.46
1	1Q	7	GLN	N-CA	-10.57	1.33	1.46
1	1U	7	GLN	N-CA	-10.57	1.33	1.46
1	1Y	7	GLN	N-CA	-10.57	1.33	1.46
1	2Q	7	GLN	N-CA	-10.57	1.33	1.46
1	2U	7	GLN	N-CA	-10.57	1.33	1.46
1	2Y	7	GLN	N-CA	-10.57	1.33	1.46
1	42	7	GLN	N-CA	-10.57	1.33	1.46
1	46	7	GLN	N-CA	-10.57	1.33	1.46
1	5A	7	GLN	N-CA	-10.57	1.33	1.46
1	52	7	GLN	N-CA	-10.57	1.33	1.46
1	56	7	GLN	N-CA	-10.57	1.33	1.46
1	6A	7	GLN	N-CA	-10.57	1.33	1.46
2	13	227	TYR	CG-CD1	10.57	1.61	1.39
2	17	227	TYR	CG-CD1	10.57	1.61	1.39
2	2B	227	TYR	CG-CD1	10.57	1.61	1.39
2	3R	227	TYR	CG-CD1	10.57	1.61	1.39
2	3V	227	TYR	CG-CD1	10.57	1.61	1.39
2	3Z	227	TYR	CG-CD1	10.57	1.61	1.39
2	5F	227	TYR	CG-CD1	10.57	1.61	1.39
2	5J	227	TYR	CG-CD1	10.57	1.61	1.39
2	5N	227	TYR	CG-CD1	10.57	1.61	1.39
2	63	227	TYR	CG-CD1	10.57	1.61	1.39
2	67	227	TYR	CG-CD1	10.57	1.61	1.39
2	7B	227	TYR	CG-CD1	10.57	1.61	1.39
2	1B	227	TYR	CG-CD1	10.57	1.61	1.39
2	1J	227	TYR	CG-CD1	10.57	1.61	1.39
2	13	70	TRP	CB-CG	-10.57	1.17	1.50
2	17	70	TRP	CB-CG	-10.57	1.17	1.50
2	2B	70	TRP	CB-CG	-10.57	1.17	1.50
2	2F	227	TYR	CG-CD1	10.57	1.61	1.39
2	27	227	TYR	CG-CD1	10.57	1.61	1.39
2	3F	227	TYR	CG-CD1	10.57	1.61	1.39
2	3R	70	TRP	CB-CG	-10.57	1.17	1.50
2	3V	70	TRP	CB-CG	-10.57	1.17	1.50
2	3Z	70	TRP	CB-CG	-10.57	1.17	1.50
2	4B	227	TYR	CG-CD1	10.57	1.61	1.39
2	4N	227	TYR	CG-CD1	10.57	1.61	1.39
2	4V	227	TYR	CG-CD1	10.57	1.61	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5F	70	TRP	CB-CG	-10.57	1.17	1.50
2	5J	70	TRP	CB-CG	-10.57	1.17	1.50
2	5N	70	TRP	CB-CG	-10.57	1.17	1.50
2	5R	227	TYR	CG-CD1	10.57	1.61	1.39
2	6J	227	TYR	CG-CD1	10.57	1.61	1.39
2	6R	227	TYR	CG-CD1	10.57	1.61	1.39
2	63	70	TRP	CB-CG	-10.57	1.17	1.50
2	67	70	TRP	CB-CG	-10.57	1.17	1.50
2	7B	70	TRP	CB-CG	-10.57	1.17	1.50
2	7N	227	TYR	CG-CD1	10.57	1.61	1.39
1	1A	7	GLN	N-CA	-10.56	1.33	1.46
1	1I	7	GLN	N-CA	-10.56	1.33	1.46
1	2E	7	GLN	N-CA	-10.56	1.33	1.46
1	26	7	GLN	N-CA	-10.56	1.33	1.46
1	3E	7	GLN	N-CA	-10.56	1.33	1.46
1	4A	7	GLN	N-CA	-10.56	1.33	1.46
1	4M	7	GLN	N-CA	-10.56	1.33	1.46
1	4U	7	GLN	N-CA	-10.56	1.33	1.46
1	5Q	7	GLN	N-CA	-10.56	1.33	1.46
1	6I	7	GLN	N-CA	-10.56	1.33	1.46
1	6Q	7	GLN	N-CA	-10.56	1.33	1.46
1	7M	7	GLN	N-CA	-10.56	1.33	1.46
2	1F	72	ARG	CZ-NH1	10.56	1.47	1.32
1	12	7	GLN	N-CA	-10.56	1.33	1.46
1	16	7	GLN	N-CA	-10.56	1.33	1.46
1	2A	7	GLN	N-CA	-10.56	1.33	1.46
2	2N	72	ARG	CZ-NH1	10.56	1.47	1.32
2	23	72	ARG	CZ-NH1	10.56	1.47	1.32
2	3N	72	ARG	CZ-NH1	10.56	1.47	1.32
1	3Q	7	GLN	N-CA	-10.56	1.33	1.46
1	3U	7	GLN	N-CA	-10.56	1.33	1.46
1	3Y	7	GLN	N-CA	-10.56	1.33	1.46
2	37	72	ARG	CZ-NH1	10.56	1.47	1.32
2	4J	72	ARG	CZ-NH1	10.56	1.47	1.32
2	4R	72	ARG	CZ-NH1	10.56	1.47	1.32
1	5E	7	GLN	N-CA	-10.56	1.33	1.46
1	5I	7	GLN	N-CA	-10.56	1.33	1.46
1	5M	7	GLN	N-CA	-10.56	1.33	1.46
2	5Z	72	ARG	CZ-NH1	10.56	1.47	1.32
2	6F	72	ARG	CZ-NH1	10.56	1.47	1.32
2	6Z	72	ARG	CZ-NH1	10.56	1.47	1.32
1	62	7	GLN	N-CA	-10.56	1.33	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	7	GLN	N-CA	-10.56	1.33	1.46
1	7A	7	GLN	N-CA	-10.56	1.33	1.46
2	7J	72	ARG	CZ-NH1	10.56	1.47	1.32
2	7V	72	ARG	CZ-NH1	10.56	1.47	1.32
2	13	52	ASP	C-O	10.55	1.37	1.23
2	17	52	ASP	C-O	10.55	1.37	1.23
2	2B	52	ASP	C-O	10.55	1.37	1.23
2	3R	52	ASP	C-O	10.55	1.37	1.23
2	3V	52	ASP	C-O	10.55	1.37	1.23
2	3Z	52	ASP	C-O	10.55	1.37	1.23
2	5F	52	ASP	C-O	10.55	1.37	1.23
2	5J	52	ASP	C-O	10.55	1.37	1.23
2	5N	52	ASP	C-O	10.55	1.37	1.23
2	63	52	ASP	C-O	10.55	1.37	1.23
2	67	52	ASP	C-O	10.55	1.37	1.23
2	7B	52	ASP	C-O	10.55	1.37	1.23
2	1N	52	ASP	C-O	10.54	1.37	1.23
2	2J	52	ASP	C-O	10.54	1.37	1.23
2	3B	52	ASP	C-O	10.54	1.37	1.23
2	3J	52	ASP	C-O	10.54	1.37	1.23
2	33	52	ASP	C-O	10.54	1.37	1.23
2	4F	52	ASP	C-O	10.54	1.37	1.23
2	4Z	52	ASP	C-O	10.54	1.37	1.23
2	5V	52	ASP	C-O	10.54	1.37	1.23
2	6N	52	ASP	C-O	10.54	1.37	1.23
2	6V	52	ASP	C-O	10.54	1.37	1.23
2	7F	52	ASP	C-O	10.54	1.37	1.23
2	7R	52	ASP	C-O	10.54	1.37	1.23
2	1B	16	ASN	CA-CB	10.54	1.74	1.53
2	1J	16	ASN	CA-CB	10.54	1.74	1.53
2	1N	16	ASN	CA-CB	10.54	1.74	1.53
2	2F	16	ASN	CA-CB	10.54	1.74	1.53
2	2J	16	ASN	CA-CB	10.54	1.74	1.53
2	27	16	ASN	CA-CB	10.54	1.74	1.53
2	3B	16	ASN	CA-CB	10.54	1.74	1.53
2	3F	16	ASN	CA-CB	10.54	1.74	1.53
2	3J	16	ASN	CA-CB	10.54	1.74	1.53
2	33	16	ASN	CA-CB	10.54	1.74	1.53
2	4B	16	ASN	CA-CB	10.54	1.74	1.53
2	4F	16	ASN	CA-CB	10.54	1.74	1.53
2	4N	16	ASN	CA-CB	10.54	1.74	1.53
2	4V	16	ASN	CA-CB	10.54	1.74	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4Z	16	ASN	CA-CB	10.54	1.74	1.53
2	5R	16	ASN	CA-CB	10.54	1.74	1.53
2	5V	16	ASN	CA-CB	10.54	1.74	1.53
2	6J	16	ASN	CA-CB	10.54	1.74	1.53
2	6N	16	ASN	CA-CB	10.54	1.74	1.53
2	6R	16	ASN	CA-CB	10.54	1.74	1.53
2	6V	16	ASN	CA-CB	10.54	1.74	1.53
2	7F	16	ASN	CA-CB	10.54	1.74	1.53
2	7N	16	ASN	CA-CB	10.54	1.74	1.53
2	7R	16	ASN	CA-CB	10.54	1.74	1.53
1	12	147	ARG	CZ-NH2	10.54	1.47	1.33
1	16	147	ARG	CZ-NH2	10.54	1.47	1.33
1	2A	147	ARG	CZ-NH2	10.54	1.47	1.33
1	3Q	147	ARG	CZ-NH2	10.54	1.47	1.33
1	3U	147	ARG	CZ-NH2	10.54	1.47	1.33
1	3Y	147	ARG	CZ-NH2	10.54	1.47	1.33
1	5E	147	ARG	CZ-NH2	10.54	1.47	1.33
1	5I	147	ARG	CZ-NH2	10.54	1.47	1.33
1	5M	147	ARG	CZ-NH2	10.54	1.47	1.33
1	62	147	ARG	CZ-NH2	10.54	1.47	1.33
1	66	147	ARG	CZ-NH2	10.54	1.47	1.33
1	7A	147	ARG	CZ-NH2	10.54	1.47	1.33
2	1B	217	PRO	CB-CG	10.54	2.02	1.49
2	1J	217	PRO	CB-CG	10.54	2.02	1.49
2	1N	217	PRO	CB-CG	10.54	2.02	1.49
2	1R	217	PRO	CB-CG	10.54	2.02	1.49
2	1V	217	PRO	CB-CG	10.54	2.02	1.49
2	1Z	217	PRO	CB-CG	10.54	2.02	1.49
2	2F	217	PRO	CB-CG	10.54	2.02	1.49
2	2J	217	PRO	CB-CG	10.54	2.02	1.49
2	2R	217	PRO	CB-CG	10.54	2.02	1.49
2	2V	217	PRO	CB-CG	10.54	2.02	1.49
2	2Z	217	PRO	CB-CG	10.54	2.02	1.49
2	27	217	PRO	CB-CG	10.54	2.02	1.49
2	3B	217	PRO	CB-CG	10.54	2.02	1.49
2	3F	217	PRO	CB-CG	10.54	2.02	1.49
2	3J	217	PRO	CB-CG	10.54	2.02	1.49
2	33	217	PRO	CB-CG	10.54	2.02	1.49
2	4B	217	PRO	CB-CG	10.54	2.02	1.49
2	4F	217	PRO	CB-CG	10.54	2.02	1.49
2	4N	217	PRO	CB-CG	10.54	2.02	1.49
2	4V	217	PRO	CB-CG	10.54	2.02	1.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4Z	217	PRO	CB-CG	10.54	2.02	1.49
2	43	217	PRO	CB-CG	10.54	2.02	1.49
2	47	217	PRO	CB-CG	10.54	2.02	1.49
2	5B	217	PRO	CB-CG	10.54	2.02	1.49
2	5R	217	PRO	CB-CG	10.54	2.02	1.49
2	5V	217	PRO	CB-CG	10.54	2.02	1.49
2	53	217	PRO	CB-CG	10.54	2.02	1.49
2	57	217	PRO	CB-CG	10.54	2.02	1.49
2	6B	217	PRO	CB-CG	10.54	2.02	1.49
2	6J	217	PRO	CB-CG	10.54	2.02	1.49
2	6N	217	PRO	CB-CG	10.54	2.02	1.49
2	6R	217	PRO	CB-CG	10.54	2.02	1.49
2	6V	217	PRO	CB-CG	10.54	2.02	1.49
2	7F	217	PRO	CB-CG	10.54	2.02	1.49
2	7N	217	PRO	CB-CG	10.54	2.02	1.49
2	7R	217	PRO	CB-CG	10.54	2.02	1.49
2	1B	72	ARG	CZ-NH1	10.53	1.47	1.32
2	1F	217	PRO	CB-CG	10.53	2.02	1.49
2	1J	72	ARG	CZ-NH1	10.53	1.47	1.32
2	1N	72	ARG	CZ-NH1	10.53	1.47	1.32
2	2F	72	ARG	CZ-NH1	10.53	1.47	1.32
2	2J	72	ARG	CZ-NH1	10.53	1.47	1.32
2	2N	217	PRO	CB-CG	10.53	2.02	1.49
2	23	217	PRO	CB-CG	10.53	2.02	1.49
2	27	72	ARG	CZ-NH1	10.53	1.47	1.32
2	3B	72	ARG	CZ-NH1	10.53	1.47	1.32
2	3F	72	ARG	CZ-NH1	10.53	1.47	1.32
2	3J	72	ARG	CZ-NH1	10.53	1.47	1.32
2	3N	217	PRO	CB-CG	10.53	2.02	1.49
2	33	72	ARG	CZ-NH1	10.53	1.47	1.32
2	37	217	PRO	CB-CG	10.53	2.02	1.49
2	4B	72	ARG	CZ-NH1	10.53	1.47	1.32
2	4F	72	ARG	CZ-NH1	10.53	1.47	1.32
2	4J	217	PRO	CB-CG	10.53	2.02	1.49
2	4N	72	ARG	CZ-NH1	10.53	1.47	1.32
2	4R	217	PRO	CB-CG	10.53	2.02	1.49
2	4V	72	ARG	CZ-NH1	10.53	1.47	1.32
2	4Z	72	ARG	CZ-NH1	10.53	1.47	1.32
2	5R	72	ARG	CZ-NH1	10.53	1.47	1.32
2	5V	72	ARG	CZ-NH1	10.53	1.47	1.32
2	5Z	217	PRO	CB-CG	10.53	2.02	1.49
2	6F	217	PRO	CB-CG	10.53	2.02	1.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6J	72	ARG	CZ-NH1	10.53	1.47	1.32
2	6N	72	ARG	CZ-NH1	10.53	1.47	1.32
2	6R	72	ARG	CZ-NH1	10.53	1.47	1.32
2	6V	72	ARG	CZ-NH1	10.53	1.47	1.32
2	6Z	217	PRO	CB-CG	10.53	2.02	1.49
2	7F	72	ARG	CZ-NH1	10.53	1.47	1.32
2	7J	217	PRO	CB-CG	10.53	2.02	1.49
2	7N	72	ARG	CZ-NH1	10.53	1.47	1.32
2	7R	72	ARG	CZ-NH1	10.53	1.47	1.32
2	7V	217	PRO	CB-CG	10.53	2.02	1.49
2	1R	16	ASN	CA-CB	10.53	1.74	1.53
2	1V	16	ASN	CA-CB	10.53	1.74	1.53
2	1Z	16	ASN	CA-CB	10.53	1.74	1.53
2	2R	16	ASN	CA-CB	10.53	1.74	1.53
2	2V	16	ASN	CA-CB	10.53	1.74	1.53
2	2Z	16	ASN	CA-CB	10.53	1.74	1.53
2	43	16	ASN	CA-CB	10.53	1.74	1.53
2	47	16	ASN	CA-CB	10.53	1.74	1.53
2	5B	16	ASN	CA-CB	10.53	1.74	1.53
2	53	16	ASN	CA-CB	10.53	1.74	1.53
2	57	16	ASN	CA-CB	10.53	1.74	1.53
2	6B	16	ASN	CA-CB	10.53	1.74	1.53
2	13	217	PRO	CB-CG	10.52	2.02	1.49
2	17	217	PRO	CB-CG	10.52	2.02	1.49
2	2B	217	PRO	CB-CG	10.52	2.02	1.49
2	3R	217	PRO	CB-CG	10.52	2.02	1.49
2	3V	217	PRO	CB-CG	10.52	2.02	1.49
2	3Z	217	PRO	CB-CG	10.52	2.02	1.49
2	5F	217	PRO	CB-CG	10.52	2.02	1.49
2	5J	217	PRO	CB-CG	10.52	2.02	1.49
2	5N	217	PRO	CB-CG	10.52	2.02	1.49
2	63	217	PRO	CB-CG	10.52	2.02	1.49
2	67	217	PRO	CB-CG	10.52	2.02	1.49
2	7B	217	PRO	CB-CG	10.52	2.02	1.49
1	1M	153	SER	C-O	-10.52	1.02	1.23
2	13	16	ASN	CA-CB	10.52	1.74	1.53
2	17	16	ASN	CA-CB	10.52	1.74	1.53
2	2B	16	ASN	CA-CB	10.52	1.74	1.53
1	2I	153	SER	C-O	-10.52	1.02	1.23
1	3A	153	SER	C-O	-10.52	1.02	1.23
1	3I	153	SER	C-O	-10.52	1.02	1.23
2	3R	16	ASN	CA-CB	10.52	1.74	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3V	16	ASN	CA-CB	10.52	1.74	1.53
2	3Z	16	ASN	CA-CB	10.52	1.74	1.53
1	32	153	SER	C-O	-10.52	1.02	1.23
1	4E	153	SER	C-O	-10.52	1.02	1.23
1	4Y	153	SER	C-O	-10.52	1.02	1.23
2	5F	16	ASN	CA-CB	10.52	1.74	1.53
2	5J	16	ASN	CA-CB	10.52	1.74	1.53
2	5N	16	ASN	CA-CB	10.52	1.74	1.53
1	5U	153	SER	C-O	-10.52	1.02	1.23
1	6M	153	SER	C-O	-10.52	1.02	1.23
1	6U	153	SER	C-O	-10.52	1.02	1.23
2	63	16	ASN	CA-CB	10.52	1.74	1.53
2	67	16	ASN	CA-CB	10.52	1.74	1.53
2	7B	16	ASN	CA-CB	10.52	1.74	1.53
1	7E	153	SER	C-O	-10.52	1.02	1.23
1	7Q	153	SER	C-O	-10.52	1.02	1.23
1	1Q	153	SER	C-O	-10.51	1.02	1.23
1	1U	153	SER	C-O	-10.51	1.02	1.23
1	1Y	153	SER	C-O	-10.51	1.02	1.23
1	2Q	153	SER	C-O	-10.51	1.02	1.23
1	2U	153	SER	C-O	-10.51	1.02	1.23
1	2Y	153	SER	C-O	-10.51	1.02	1.23
1	42	153	SER	C-O	-10.51	1.02	1.23
1	46	153	SER	C-O	-10.51	1.02	1.23
1	5A	153	SER	C-O	-10.51	1.02	1.23
1	52	153	SER	C-O	-10.51	1.02	1.23
1	56	153	SER	C-O	-10.51	1.02	1.23
1	6A	153	SER	C-O	-10.51	1.02	1.23
1	1A	147	ARG	CZ-NH2	10.50	1.47	1.33
1	1I	147	ARG	CZ-NH2	10.50	1.47	1.33
1	2E	147	ARG	CZ-NH2	10.50	1.47	1.33
1	26	147	ARG	CZ-NH2	10.50	1.47	1.33
1	3E	147	ARG	CZ-NH2	10.50	1.47	1.33
1	4A	147	ARG	CZ-NH2	10.50	1.47	1.33
1	4M	147	ARG	CZ-NH2	10.50	1.47	1.33
1	4U	147	ARG	CZ-NH2	10.50	1.47	1.33
1	5Q	147	ARG	CZ-NH2	10.50	1.47	1.33
1	6I	147	ARG	CZ-NH2	10.50	1.47	1.33
1	6Q	147	ARG	CZ-NH2	10.50	1.47	1.33
1	7M	147	ARG	CZ-NH2	10.50	1.47	1.33
1	1A	153	SER	C-O	-10.49	1.02	1.23
1	1I	153	SER	C-O	-10.49	1.02	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	153	SER	C-O	-10.49	1.02	1.23
1	26	153	SER	C-O	-10.49	1.02	1.23
1	3E	153	SER	C-O	-10.49	1.02	1.23
1	4A	153	SER	C-O	-10.49	1.02	1.23
1	4M	153	SER	C-O	-10.49	1.02	1.23
1	4U	153	SER	C-O	-10.49	1.02	1.23
1	5Q	153	SER	C-O	-10.49	1.02	1.23
1	6I	153	SER	C-O	-10.49	1.02	1.23
1	6Q	153	SER	C-O	-10.49	1.02	1.23
1	7M	153	SER	C-O	-10.49	1.02	1.23
1	1E	153	SER	C-O	-10.48	1.02	1.23
1	2M	153	SER	C-O	-10.48	1.02	1.23
1	22	153	SER	C-O	-10.48	1.02	1.23
1	3M	153	SER	C-O	-10.48	1.02	1.23
1	36	153	SER	C-O	-10.48	1.02	1.23
1	4I	153	SER	C-O	-10.48	1.02	1.23
1	4Q	153	SER	C-O	-10.48	1.02	1.23
1	5Y	153	SER	C-O	-10.48	1.02	1.23
1	6E	153	SER	C-O	-10.48	1.02	1.23
1	6Y	153	SER	C-O	-10.48	1.02	1.23
1	7I	153	SER	C-O	-10.48	1.02	1.23
1	7U	153	SER	C-O	-10.48	1.02	1.23
1	1Q	147	ARG	CZ-NH2	10.48	1.47	1.33
1	1U	147	ARG	CZ-NH2	10.48	1.47	1.33
1	1Y	147	ARG	CZ-NH2	10.48	1.47	1.33
1	2Q	147	ARG	CZ-NH2	10.48	1.47	1.33
1	2U	147	ARG	CZ-NH2	10.48	1.47	1.33
1	2Y	147	ARG	CZ-NH2	10.48	1.47	1.33
1	42	147	ARG	CZ-NH2	10.48	1.47	1.33
1	46	147	ARG	CZ-NH2	10.48	1.47	1.33
1	5A	147	ARG	CZ-NH2	10.48	1.47	1.33
1	52	147	ARG	CZ-NH2	10.48	1.47	1.33
1	56	147	ARG	CZ-NH2	10.48	1.47	1.33
1	6A	147	ARG	CZ-NH2	10.48	1.47	1.33
1	12	153	SER	C-O	-10.48	1.02	1.23
1	16	153	SER	C-O	-10.48	1.02	1.23
1	2A	153	SER	C-O	-10.48	1.02	1.23
1	3Q	153	SER	C-O	-10.48	1.02	1.23
1	3U	153	SER	C-O	-10.48	1.02	1.23
1	3Y	153	SER	C-O	-10.48	1.02	1.23
1	5E	153	SER	C-O	-10.48	1.02	1.23
1	5I	153	SER	C-O	-10.48	1.02	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	153	SER	C-O	-10.48	1.02	1.23
1	62	153	SER	C-O	-10.48	1.02	1.23
1	66	153	SER	C-O	-10.48	1.02	1.23
1	7A	153	SER	C-O	-10.48	1.02	1.23
1	1E	85	LEU	CB-CG	10.46	1.74	1.53
1	1M	147	ARG	CZ-NH2	10.46	1.47	1.33
1	2I	147	ARG	CZ-NH2	10.46	1.47	1.33
1	2M	85	LEU	CB-CG	10.46	1.74	1.53
1	22	85	LEU	CB-CG	10.46	1.74	1.53
1	3A	147	ARG	CZ-NH2	10.46	1.47	1.33
1	3I	147	ARG	CZ-NH2	10.46	1.47	1.33
1	3M	85	LEU	CB-CG	10.46	1.74	1.53
1	32	147	ARG	CZ-NH2	10.46	1.47	1.33
1	36	85	LEU	CB-CG	10.46	1.74	1.53
1	4E	147	ARG	CZ-NH2	10.46	1.47	1.33
1	4I	85	LEU	CB-CG	10.46	1.74	1.53
1	4Q	85	LEU	CB-CG	10.46	1.74	1.53
1	4Y	147	ARG	CZ-NH2	10.46	1.47	1.33
1	5U	147	ARG	CZ-NH2	10.46	1.47	1.33
1	5Y	85	LEU	CB-CG	10.46	1.74	1.53
1	6E	85	LEU	CB-CG	10.46	1.74	1.53
1	6M	147	ARG	CZ-NH2	10.46	1.47	1.33
1	6U	147	ARG	CZ-NH2	10.46	1.47	1.33
1	6Y	85	LEU	CB-CG	10.46	1.74	1.53
1	7E	147	ARG	CZ-NH2	10.46	1.47	1.33
1	7I	85	LEU	CB-CG	10.46	1.74	1.53
1	7Q	147	ARG	CZ-NH2	10.46	1.47	1.33
1	7U	85	LEU	CB-CG	10.46	1.74	1.53
1	1E	147	ARG	CZ-NH2	10.46	1.47	1.33
1	2M	147	ARG	CZ-NH2	10.46	1.47	1.33
1	22	147	ARG	CZ-NH2	10.46	1.47	1.33
1	3M	147	ARG	CZ-NH2	10.46	1.47	1.33
1	36	147	ARG	CZ-NH2	10.46	1.47	1.33
1	4I	147	ARG	CZ-NH2	10.46	1.47	1.33
1	4Q	147	ARG	CZ-NH2	10.46	1.47	1.33
1	5Y	147	ARG	CZ-NH2	10.46	1.47	1.33
1	6E	147	ARG	CZ-NH2	10.46	1.47	1.33
1	6Y	147	ARG	CZ-NH2	10.46	1.47	1.33
1	7I	147	ARG	CZ-NH2	10.46	1.47	1.33
1	7U	147	ARG	CZ-NH2	10.46	1.47	1.33
1	1A	85	LEU	CB-CG	10.45	1.74	1.53
1	1I	85	LEU	CB-CG	10.45	1.74	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	85	LEU	CB-CG	10.45	1.74	1.53
1	26	85	LEU	CB-CG	10.45	1.74	1.53
1	3E	85	LEU	CB-CG	10.45	1.74	1.53
1	4A	85	LEU	CB-CG	10.45	1.74	1.53
1	4M	85	LEU	CB-CG	10.45	1.74	1.53
1	4U	85	LEU	CB-CG	10.45	1.74	1.53
1	5Q	85	LEU	CB-CG	10.45	1.74	1.53
1	6I	85	LEU	CB-CG	10.45	1.74	1.53
1	6Q	85	LEU	CB-CG	10.45	1.74	1.53
1	7M	85	LEU	CB-CG	10.45	1.74	1.53
1	12	85	LEU	CB-CG	10.45	1.74	1.53
1	16	85	LEU	CB-CG	10.45	1.74	1.53
1	2A	85	LEU	CB-CG	10.45	1.74	1.53
1	3Q	85	LEU	CB-CG	10.45	1.74	1.53
1	3U	85	LEU	CB-CG	10.45	1.74	1.53
1	3Y	85	LEU	CB-CG	10.45	1.74	1.53
1	5E	85	LEU	CB-CG	10.45	1.74	1.53
1	5I	85	LEU	CB-CG	10.45	1.74	1.53
1	5M	85	LEU	CB-CG	10.45	1.74	1.53
1	62	85	LEU	CB-CG	10.45	1.74	1.53
1	66	85	LEU	CB-CG	10.45	1.74	1.53
1	7A	85	LEU	CB-CG	10.45	1.74	1.53
1	1Q	19	SER	C-N	10.43	1.48	1.33
1	1Q	85	LEU	CB-CG	10.43	1.74	1.53
1	1U	19	SER	C-N	10.43	1.48	1.33
1	1U	85	LEU	CB-CG	10.43	1.74	1.53
1	1Y	19	SER	C-N	10.43	1.48	1.33
1	1Y	85	LEU	CB-CG	10.43	1.74	1.53
1	2Q	19	SER	C-N	10.43	1.48	1.33
1	2Q	85	LEU	CB-CG	10.43	1.74	1.53
1	2U	19	SER	C-N	10.43	1.48	1.33
1	2U	85	LEU	CB-CG	10.43	1.74	1.53
1	2Y	19	SER	C-N	10.43	1.48	1.33
1	2Y	85	LEU	CB-CG	10.43	1.74	1.53
1	42	19	SER	C-N	10.43	1.48	1.33
1	42	85	LEU	CB-CG	10.43	1.74	1.53
1	46	19	SER	C-N	10.43	1.48	1.33
1	46	85	LEU	CB-CG	10.43	1.74	1.53
1	5A	19	SER	C-N	10.43	1.48	1.33
1	5A	85	LEU	CB-CG	10.43	1.74	1.53
1	52	19	SER	C-N	10.43	1.48	1.33
1	52	85	LEU	CB-CG	10.43	1.74	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	56	19	SER	C-N	10.43	1.48	1.33
1	56	85	LEU	CB-CG	10.43	1.74	1.53
1	6A	19	SER	C-N	10.43	1.48	1.33
1	6A	85	LEU	CB-CG	10.43	1.74	1.53
2	1N	219	VAL	C-O	-10.43	1.12	1.24
2	2J	219	VAL	C-O	-10.43	1.12	1.24
2	3B	219	VAL	C-O	-10.43	1.12	1.24
2	3J	219	VAL	C-O	-10.43	1.12	1.24
2	33	219	VAL	C-O	-10.43	1.12	1.24
2	4F	219	VAL	C-O	-10.43	1.12	1.24
2	4Z	219	VAL	C-O	-10.43	1.12	1.24
2	5V	219	VAL	C-O	-10.43	1.12	1.24
2	6N	219	VAL	C-O	-10.43	1.12	1.24
2	6V	219	VAL	C-O	-10.43	1.12	1.24
2	7F	219	VAL	C-O	-10.43	1.12	1.24
2	7R	219	VAL	C-O	-10.43	1.12	1.24
1	1M	85	LEU	CB-CG	10.43	1.74	1.53
1	2I	85	LEU	CB-CG	10.43	1.74	1.53
1	3A	85	LEU	CB-CG	10.43	1.74	1.53
1	3I	85	LEU	CB-CG	10.43	1.74	1.53
1	32	85	LEU	CB-CG	10.43	1.74	1.53
1	4E	85	LEU	CB-CG	10.43	1.74	1.53
1	4Y	85	LEU	CB-CG	10.43	1.74	1.53
1	5U	85	LEU	CB-CG	10.43	1.74	1.53
1	6M	85	LEU	CB-CG	10.43	1.74	1.53
1	6U	85	LEU	CB-CG	10.43	1.74	1.53
1	7E	85	LEU	CB-CG	10.43	1.74	1.53
1	7Q	85	LEU	CB-CG	10.43	1.74	1.53
1	12	31	LYS	C-N	-10.42	1.19	1.33
1	16	31	LYS	C-N	-10.42	1.19	1.33
1	2A	31	LYS	C-N	-10.42	1.19	1.33
1	3Q	31	LYS	C-N	-10.42	1.19	1.33
1	3U	31	LYS	C-N	-10.42	1.19	1.33
1	3Y	31	LYS	C-N	-10.42	1.19	1.33
1	5E	31	LYS	C-N	-10.42	1.19	1.33
1	5I	31	LYS	C-N	-10.42	1.19	1.33
1	5M	31	LYS	C-N	-10.42	1.19	1.33
1	62	31	LYS	C-N	-10.42	1.19	1.33
1	66	31	LYS	C-N	-10.42	1.19	1.33
1	7A	31	LYS	C-N	-10.42	1.19	1.33
1	12	25	ASP	N-CA	-10.42	1.32	1.46
1	16	25	ASP	N-CA	-10.42	1.32	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	25	ASP	N-CA	-10.42	1.32	1.46
1	3Q	25	ASP	N-CA	-10.42	1.32	1.46
1	3U	25	ASP	N-CA	-10.42	1.32	1.46
1	3Y	25	ASP	N-CA	-10.42	1.32	1.46
1	5E	25	ASP	N-CA	-10.42	1.32	1.46
1	5I	25	ASP	N-CA	-10.42	1.32	1.46
1	5M	25	ASP	N-CA	-10.42	1.32	1.46
1	62	25	ASP	N-CA	-10.42	1.32	1.46
1	66	25	ASP	N-CA	-10.42	1.32	1.46
1	7A	25	ASP	N-CA	-10.42	1.32	1.46
1	1E	25	ASP	N-CA	-10.42	1.32	1.46
1	2M	25	ASP	N-CA	-10.42	1.32	1.46
1	22	25	ASP	N-CA	-10.42	1.32	1.46
1	3M	25	ASP	N-CA	-10.42	1.32	1.46
1	36	25	ASP	N-CA	-10.42	1.32	1.46
1	4I	25	ASP	N-CA	-10.42	1.32	1.46
1	4Q	25	ASP	N-CA	-10.42	1.32	1.46
1	5Y	25	ASP	N-CA	-10.42	1.32	1.46
1	6E	25	ASP	N-CA	-10.42	1.32	1.46
1	6Y	25	ASP	N-CA	-10.42	1.32	1.46
1	7I	25	ASP	N-CA	-10.42	1.32	1.46
1	7U	25	ASP	N-CA	-10.42	1.32	1.46
2	1R	219	VAL	C-O	-10.42	1.12	1.24
2	1V	219	VAL	C-O	-10.42	1.12	1.24
2	1Z	219	VAL	C-O	-10.42	1.12	1.24
2	2R	219	VAL	C-O	-10.42	1.12	1.24
2	2V	219	VAL	C-O	-10.42	1.12	1.24
2	2Z	219	VAL	C-O	-10.42	1.12	1.24
2	43	219	VAL	C-O	-10.42	1.12	1.24
2	47	219	VAL	C-O	-10.42	1.12	1.24
2	5B	219	VAL	C-O	-10.42	1.12	1.24
2	53	219	VAL	C-O	-10.42	1.12	1.24
2	57	219	VAL	C-O	-10.42	1.12	1.24
2	6B	219	VAL	C-O	-10.42	1.12	1.24
1	1M	25	ASP	N-CA	-10.42	1.32	1.46
1	2I	25	ASP	N-CA	-10.42	1.32	1.46
1	3A	25	ASP	N-CA	-10.42	1.32	1.46
1	3I	25	ASP	N-CA	-10.42	1.32	1.46
1	32	25	ASP	N-CA	-10.42	1.32	1.46
1	4E	25	ASP	N-CA	-10.42	1.32	1.46
1	4Y	25	ASP	N-CA	-10.42	1.32	1.46
1	5U	25	ASP	N-CA	-10.42	1.32	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	25	ASP	N-CA	-10.42	1.32	1.46
1	6U	25	ASP	N-CA	-10.42	1.32	1.46
1	7E	25	ASP	N-CA	-10.42	1.32	1.46
1	7Q	25	ASP	N-CA	-10.42	1.32	1.46
2	1F	224	VAL	CA-CB	10.41	1.68	1.54
2	2N	224	VAL	CA-CB	10.41	1.68	1.54
2	23	224	VAL	CA-CB	10.41	1.68	1.54
2	3N	224	VAL	CA-CB	10.41	1.68	1.54
2	37	224	VAL	CA-CB	10.41	1.68	1.54
2	4J	224	VAL	CA-CB	10.41	1.68	1.54
2	4R	224	VAL	CA-CB	10.41	1.68	1.54
2	5Z	224	VAL	CA-CB	10.41	1.68	1.54
2	6F	224	VAL	CA-CB	10.41	1.68	1.54
2	6Z	224	VAL	CA-CB	10.41	1.68	1.54
2	7J	224	VAL	CA-CB	10.41	1.68	1.54
2	7V	224	VAL	CA-CB	10.41	1.68	1.54
1	1A	25	ASP	N-CA	-10.41	1.32	1.46
1	1I	25	ASP	N-CA	-10.41	1.32	1.46
1	2E	25	ASP	N-CA	-10.41	1.32	1.46
1	26	25	ASP	N-CA	-10.41	1.32	1.46
1	3E	25	ASP	N-CA	-10.41	1.32	1.46
1	4A	25	ASP	N-CA	-10.41	1.32	1.46
1	4M	25	ASP	N-CA	-10.41	1.32	1.46
1	4U	25	ASP	N-CA	-10.41	1.32	1.46
1	5Q	25	ASP	N-CA	-10.41	1.32	1.46
1	6I	25	ASP	N-CA	-10.41	1.32	1.46
1	6Q	25	ASP	N-CA	-10.41	1.32	1.46
1	7M	25	ASP	N-CA	-10.41	1.32	1.46
1	12	19	SER	C-N	10.40	1.47	1.33
1	16	19	SER	C-N	10.40	1.47	1.33
1	2A	19	SER	C-N	10.40	1.47	1.33
1	3Q	19	SER	C-N	10.40	1.47	1.33
1	3U	19	SER	C-N	10.40	1.47	1.33
1	3Y	19	SER	C-N	10.40	1.47	1.33
1	5E	19	SER	C-N	10.40	1.47	1.33
1	5I	19	SER	C-N	10.40	1.47	1.33
1	5M	19	SER	C-N	10.40	1.47	1.33
1	62	19	SER	C-N	10.40	1.47	1.33
1	66	19	SER	C-N	10.40	1.47	1.33
1	7A	19	SER	C-N	10.40	1.47	1.33
1	1E	31	LYS	C-N	-10.40	1.19	1.33
1	2M	31	LYS	C-N	-10.40	1.19	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	31	LYS	C-N	-10.40	1.19	1.33
1	3M	31	LYS	C-N	-10.40	1.19	1.33
1	36	31	LYS	C-N	-10.40	1.19	1.33
1	4I	31	LYS	C-N	-10.40	1.19	1.33
1	4Q	31	LYS	C-N	-10.40	1.19	1.33
1	5Y	31	LYS	C-N	-10.40	1.19	1.33
1	6E	31	LYS	C-N	-10.40	1.19	1.33
1	6Y	31	LYS	C-N	-10.40	1.19	1.33
1	7I	31	LYS	C-N	-10.40	1.19	1.33
1	7U	31	LYS	C-N	-10.40	1.19	1.33
1	1Q	25	ASP	N-CA	-10.40	1.32	1.46
1	1U	25	ASP	N-CA	-10.40	1.32	1.46
1	1Y	25	ASP	N-CA	-10.40	1.32	1.46
1	2Q	25	ASP	N-CA	-10.40	1.32	1.46
1	2U	25	ASP	N-CA	-10.40	1.32	1.46
1	2Y	25	ASP	N-CA	-10.40	1.32	1.46
1	42	25	ASP	N-CA	-10.40	1.32	1.46
1	46	25	ASP	N-CA	-10.40	1.32	1.46
1	5A	25	ASP	N-CA	-10.40	1.32	1.46
1	52	25	ASP	N-CA	-10.40	1.32	1.46
1	56	25	ASP	N-CA	-10.40	1.32	1.46
1	6A	25	ASP	N-CA	-10.40	1.32	1.46
1	1E	19	SER	C-N	10.39	1.47	1.33
1	2M	19	SER	C-N	10.39	1.47	1.33
1	22	19	SER	C-N	10.39	1.47	1.33
1	3M	19	SER	C-N	10.39	1.47	1.33
1	36	19	SER	C-N	10.39	1.47	1.33
1	4I	19	SER	C-N	10.39	1.47	1.33
1	4Q	19	SER	C-N	10.39	1.47	1.33
1	5Y	19	SER	C-N	10.39	1.47	1.33
1	6E	19	SER	C-N	10.39	1.47	1.33
1	6Y	19	SER	C-N	10.39	1.47	1.33
1	7I	19	SER	C-N	10.39	1.47	1.33
1	7U	19	SER	C-N	10.39	1.47	1.33
1	1A	31	LYS	C-N	-10.39	1.19	1.33
1	1I	31	LYS	C-N	-10.39	1.19	1.33
1	1M	31	LYS	C-N	-10.39	1.19	1.33
1	1Q	31	LYS	C-N	-10.39	1.19	1.33
1	1U	31	LYS	C-N	-10.39	1.19	1.33
1	1Y	31	LYS	C-N	-10.39	1.19	1.33
1	2E	31	LYS	C-N	-10.39	1.19	1.33
1	2I	31	LYS	C-N	-10.39	1.19	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2Q	31	LYS	C-N	-10.39	1.19	1.33
1	2U	31	LYS	C-N	-10.39	1.19	1.33
1	2Y	31	LYS	C-N	-10.39	1.19	1.33
1	26	31	LYS	C-N	-10.39	1.19	1.33
1	3E	31	LYS	C-N	-10.39	1.19	1.33
1	4A	31	LYS	C-N	-10.39	1.19	1.33
1	4M	31	LYS	C-N	-10.39	1.19	1.33
1	4U	31	LYS	C-N	-10.39	1.19	1.33
1	6I	31	LYS	C-N	-10.39	1.19	1.33
1	7M	31	LYS	C-N	-10.39	1.19	1.33
1	3A	31	LYS	C-N	-10.39	1.19	1.33
1	3I	31	LYS	C-N	-10.39	1.19	1.33
1	32	31	LYS	C-N	-10.39	1.19	1.33
1	4E	31	LYS	C-N	-10.39	1.19	1.33
1	4Y	31	LYS	C-N	-10.39	1.19	1.33
1	42	31	LYS	C-N	-10.39	1.19	1.33
1	46	31	LYS	C-N	-10.39	1.19	1.33
1	5A	31	LYS	C-N	-10.39	1.19	1.33
1	5Q	31	LYS	C-N	-10.39	1.19	1.33
1	5U	31	LYS	C-N	-10.39	1.19	1.33
1	52	31	LYS	C-N	-10.39	1.19	1.33
1	56	31	LYS	C-N	-10.39	1.19	1.33
1	6A	31	LYS	C-N	-10.39	1.19	1.33
1	6Q	31	LYS	C-N	-10.39	1.19	1.33
1	6M	31	LYS	C-N	-10.39	1.19	1.33
1	6U	31	LYS	C-N	-10.39	1.19	1.33
1	7E	31	LYS	C-N	-10.39	1.19	1.33
1	7Q	31	LYS	C-N	-10.39	1.19	1.33
1	1A	39	GLN	C-N	10.39	1.47	1.33
1	1I	39	GLN	C-N	10.39	1.47	1.33
1	2E	39	GLN	C-N	10.39	1.47	1.33
1	26	39	GLN	C-N	10.39	1.47	1.33
1	3E	39	GLN	C-N	10.39	1.47	1.33
1	4A	39	GLN	C-N	10.39	1.47	1.33
1	4M	39	GLN	C-N	10.39	1.47	1.33
1	4U	39	GLN	C-N	10.39	1.47	1.33
1	5Q	39	GLN	C-N	10.39	1.47	1.33
1	6I	39	GLN	C-N	10.39	1.47	1.33
1	6Q	39	GLN	C-N	10.39	1.47	1.33
1	7M	39	GLN	C-N	10.39	1.47	1.33
2	1B	219	VAL	C-O	-10.38	1.12	1.24
2	1J	219	VAL	C-O	-10.38	1.12	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1N	224	VAL	CA-CB	10.38	1.68	1.54
2	1R	224	VAL	CA-CB	10.38	1.68	1.54
2	1V	224	VAL	CA-CB	10.38	1.68	1.54
2	1Z	224	VAL	CA-CB	10.38	1.68	1.54
2	2F	219	VAL	C-O	-10.38	1.12	1.24
2	2J	224	VAL	CA-CB	10.38	1.68	1.54
2	2R	224	VAL	CA-CB	10.38	1.68	1.54
2	2V	224	VAL	CA-CB	10.38	1.68	1.54
2	2Z	224	VAL	CA-CB	10.38	1.68	1.54
2	27	219	VAL	C-O	-10.38	1.12	1.24
2	3B	224	VAL	CA-CB	10.38	1.68	1.54
2	3F	219	VAL	C-O	-10.38	1.12	1.24
2	3J	224	VAL	CA-CB	10.38	1.68	1.54
2	33	224	VAL	CA-CB	10.38	1.68	1.54
2	4B	219	VAL	C-O	-10.38	1.12	1.24
2	4F	224	VAL	CA-CB	10.38	1.68	1.54
2	4N	219	VAL	C-O	-10.38	1.12	1.24
2	4V	219	VAL	C-O	-10.38	1.12	1.24
2	4Z	224	VAL	CA-CB	10.38	1.68	1.54
2	43	224	VAL	CA-CB	10.38	1.68	1.54
2	47	224	VAL	CA-CB	10.38	1.68	1.54
2	5B	224	VAL	CA-CB	10.38	1.68	1.54
2	5R	219	VAL	C-O	-10.38	1.12	1.24
2	5V	224	VAL	CA-CB	10.38	1.68	1.54
2	53	224	VAL	CA-CB	10.38	1.68	1.54
2	57	224	VAL	CA-CB	10.38	1.68	1.54
2	6B	224	VAL	CA-CB	10.38	1.68	1.54
2	6J	219	VAL	C-O	-10.38	1.12	1.24
2	6N	224	VAL	CA-CB	10.38	1.68	1.54
2	6R	219	VAL	C-O	-10.38	1.12	1.24
2	6V	224	VAL	CA-CB	10.38	1.68	1.54
2	7F	224	VAL	CA-CB	10.38	1.68	1.54
2	7N	219	VAL	C-O	-10.38	1.12	1.24
2	7R	224	VAL	CA-CB	10.38	1.68	1.54
2	1B	224	VAL	CA-CB	10.38	1.68	1.54
1	1E	82	ARG	CA-CB	10.38	1.68	1.53
2	1J	224	VAL	CA-CB	10.38	1.68	1.54
1	12	82	ARG	CA-CB	10.38	1.68	1.53
1	16	82	ARG	CA-CB	10.38	1.68	1.53
1	2A	82	ARG	CA-CB	10.38	1.68	1.53
2	2F	224	VAL	CA-CB	10.38	1.68	1.54
1	2M	82	ARG	CA-CB	10.38	1.68	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	82	ARG	CA-CB	10.38	1.68	1.53
2	27	224	VAL	CA-CB	10.38	1.68	1.54
2	3F	224	VAL	CA-CB	10.38	1.68	1.54
1	3M	82	ARG	CA-CB	10.38	1.68	1.53
1	3Q	82	ARG	CA-CB	10.38	1.68	1.53
1	3U	82	ARG	CA-CB	10.38	1.68	1.53
1	3Y	82	ARG	CA-CB	10.38	1.68	1.53
1	36	82	ARG	CA-CB	10.38	1.68	1.53
2	4B	224	VAL	CA-CB	10.38	1.68	1.54
1	4I	82	ARG	CA-CB	10.38	1.68	1.53
2	4N	224	VAL	CA-CB	10.38	1.68	1.54
1	4Q	82	ARG	CA-CB	10.38	1.68	1.53
2	4V	224	VAL	CA-CB	10.38	1.68	1.54
1	5E	82	ARG	CA-CB	10.38	1.68	1.53
1	5I	82	ARG	CA-CB	10.38	1.68	1.53
1	5M	82	ARG	CA-CB	10.38	1.68	1.53
2	5R	224	VAL	CA-CB	10.38	1.68	1.54
1	5Y	82	ARG	CA-CB	10.38	1.68	1.53
1	6E	82	ARG	CA-CB	10.38	1.68	1.53
2	6J	224	VAL	CA-CB	10.38	1.68	1.54
2	6R	224	VAL	CA-CB	10.38	1.68	1.54
1	6Y	82	ARG	CA-CB	10.38	1.68	1.53
1	62	82	ARG	CA-CB	10.38	1.68	1.53
1	66	82	ARG	CA-CB	10.38	1.68	1.53
1	7A	82	ARG	CA-CB	10.38	1.68	1.53
1	7I	82	ARG	CA-CB	10.38	1.68	1.53
2	7N	224	VAL	CA-CB	10.38	1.68	1.54
1	7U	82	ARG	CA-CB	10.38	1.68	1.53
1	1A	19	SER	C-N	10.38	1.47	1.33
1	1I	19	SER	C-N	10.38	1.47	1.33
1	2E	19	SER	C-N	10.38	1.47	1.33
1	26	19	SER	C-N	10.38	1.47	1.33
1	3E	19	SER	C-N	10.38	1.47	1.33
1	4A	19	SER	C-N	10.38	1.47	1.33
1	4M	19	SER	C-N	10.38	1.47	1.33
1	4U	19	SER	C-N	10.38	1.47	1.33
1	5Q	19	SER	C-N	10.38	1.47	1.33
1	6I	19	SER	C-N	10.38	1.47	1.33
1	6Q	19	SER	C-N	10.38	1.47	1.33
1	7M	19	SER	C-N	10.38	1.47	1.33
1	1A	82	ARG	CA-CB	10.37	1.68	1.53
1	1I	82	ARG	CA-CB	10.37	1.68	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	82	ARG	CA-CB	10.37	1.68	1.53
1	26	82	ARG	CA-CB	10.37	1.68	1.53
1	3E	82	ARG	CA-CB	10.37	1.68	1.53
1	4A	82	ARG	CA-CB	10.37	1.68	1.53
1	4M	82	ARG	CA-CB	10.37	1.68	1.53
1	4U	82	ARG	CA-CB	10.37	1.68	1.53
1	5Q	82	ARG	CA-CB	10.37	1.68	1.53
1	6I	82	ARG	CA-CB	10.37	1.68	1.53
1	6Q	82	ARG	CA-CB	10.37	1.68	1.53
1	7M	82	ARG	CA-CB	10.37	1.68	1.53
2	1F	219	VAL	C-O	-10.37	1.12	1.24
1	1Q	39	GLN	C-N	10.37	1.47	1.33
1	1U	39	GLN	C-N	10.37	1.47	1.33
1	1Y	39	GLN	C-N	10.37	1.47	1.33
2	2N	219	VAL	C-O	-10.37	1.12	1.24
1	2Q	39	GLN	C-N	10.37	1.47	1.33
1	2U	39	GLN	C-N	10.37	1.47	1.33
1	2Y	39	GLN	C-N	10.37	1.47	1.33
2	23	219	VAL	C-O	-10.37	1.12	1.24
2	3N	219	VAL	C-O	-10.37	1.12	1.24
2	37	219	VAL	C-O	-10.37	1.12	1.24
2	4J	219	VAL	C-O	-10.37	1.12	1.24
2	4R	219	VAL	C-O	-10.37	1.12	1.24
1	42	39	GLN	C-N	10.37	1.47	1.33
1	46	39	GLN	C-N	10.37	1.47	1.33
1	5A	39	GLN	C-N	10.37	1.47	1.33
2	5Z	219	VAL	C-O	-10.37	1.12	1.24
1	52	39	GLN	C-N	10.37	1.47	1.33
1	56	39	GLN	C-N	10.37	1.47	1.33
1	6A	39	GLN	C-N	10.37	1.47	1.33
2	6F	219	VAL	C-O	-10.37	1.12	1.24
2	6Z	219	VAL	C-O	-10.37	1.12	1.24
2	7J	219	VAL	C-O	-10.37	1.12	1.24
2	7V	219	VAL	C-O	-10.37	1.12	1.24
1	1M	39	GLN	C-N	10.36	1.47	1.33
1	12	39	GLN	C-N	10.36	1.47	1.33
1	16	39	GLN	C-N	10.36	1.47	1.33
1	2A	39	GLN	C-N	10.36	1.47	1.33
1	2I	39	GLN	C-N	10.36	1.47	1.33
1	3A	39	GLN	C-N	10.36	1.47	1.33
1	3I	39	GLN	C-N	10.36	1.47	1.33
1	3Q	39	GLN	C-N	10.36	1.47	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3U	39	GLN	C-N	10.36	1.47	1.33
1	3Y	39	GLN	C-N	10.36	1.47	1.33
1	32	39	GLN	C-N	10.36	1.47	1.33
1	4E	39	GLN	C-N	10.36	1.47	1.33
1	4Y	39	GLN	C-N	10.36	1.47	1.33
1	5E	39	GLN	C-N	10.36	1.47	1.33
1	5I	39	GLN	C-N	10.36	1.47	1.33
1	5M	39	GLN	C-N	10.36	1.47	1.33
1	5U	39	GLN	C-N	10.36	1.47	1.33
1	6M	39	GLN	C-N	10.36	1.47	1.33
1	6U	39	GLN	C-N	10.36	1.47	1.33
1	62	39	GLN	C-N	10.36	1.47	1.33
1	66	39	GLN	C-N	10.36	1.47	1.33
1	7A	39	GLN	C-N	10.36	1.47	1.33
1	7E	39	GLN	C-N	10.36	1.47	1.33
1	7Q	39	GLN	C-N	10.36	1.47	1.33
1	1E	39	GLN	C-N	10.36	1.47	1.33
1	1M	19	SER	C-N	10.36	1.47	1.33
2	13	219	VAL	C-O	-10.36	1.12	1.24
2	17	219	VAL	C-O	-10.36	1.12	1.24
2	2B	219	VAL	C-O	-10.36	1.12	1.24
1	2I	19	SER	C-N	10.36	1.47	1.33
1	2M	39	GLN	C-N	10.36	1.47	1.33
1	22	39	GLN	C-N	10.36	1.47	1.33
1	3A	19	SER	C-N	10.36	1.47	1.33
1	3I	19	SER	C-N	10.36	1.47	1.33
1	3M	39	GLN	C-N	10.36	1.47	1.33
2	3R	219	VAL	C-O	-10.36	1.12	1.24
2	3V	219	VAL	C-O	-10.36	1.12	1.24
2	3Z	219	VAL	C-O	-10.36	1.12	1.24
1	32	19	SER	C-N	10.36	1.47	1.33
1	36	39	GLN	C-N	10.36	1.47	1.33
1	4E	19	SER	C-N	10.36	1.47	1.33
1	4I	39	GLN	C-N	10.36	1.47	1.33
1	4Q	39	GLN	C-N	10.36	1.47	1.33
1	4Y	19	SER	C-N	10.36	1.47	1.33
2	5F	219	VAL	C-O	-10.36	1.12	1.24
2	5J	219	VAL	C-O	-10.36	1.12	1.24
2	5N	219	VAL	C-O	-10.36	1.12	1.24
1	5U	19	SER	C-N	10.36	1.47	1.33
1	5Y	39	GLN	C-N	10.36	1.47	1.33
1	6E	39	GLN	C-N	10.36	1.47	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	19	SER	C-N	10.36	1.47	1.33
1	6U	19	SER	C-N	10.36	1.47	1.33
1	6Y	39	GLN	C-N	10.36	1.47	1.33
2	63	219	VAL	C-O	-10.36	1.12	1.24
2	67	219	VAL	C-O	-10.36	1.12	1.24
2	7B	219	VAL	C-O	-10.36	1.12	1.24
1	7E	19	SER	C-N	10.36	1.47	1.33
1	7I	39	GLN	C-N	10.36	1.47	1.33
1	7Q	19	SER	C-N	10.36	1.47	1.33
1	7U	39	GLN	C-N	10.36	1.47	1.33
2	13	224	VAL	CA-CB	10.35	1.68	1.54
2	17	224	VAL	CA-CB	10.35	1.68	1.54
2	2B	224	VAL	CA-CB	10.35	1.68	1.54
2	3R	224	VAL	CA-CB	10.35	1.68	1.54
2	3V	224	VAL	CA-CB	10.35	1.68	1.54
2	3Z	224	VAL	CA-CB	10.35	1.68	1.54
2	5F	224	VAL	CA-CB	10.35	1.68	1.54
2	5J	224	VAL	CA-CB	10.35	1.68	1.54
2	5N	224	VAL	CA-CB	10.35	1.68	1.54
2	63	224	VAL	CA-CB	10.35	1.68	1.54
2	67	224	VAL	CA-CB	10.35	1.68	1.54
2	7B	224	VAL	CA-CB	10.35	1.68	1.54
1	1M	82	ARG	CA-CB	10.33	1.68	1.53
1	2I	82	ARG	CA-CB	10.33	1.68	1.53
1	3A	82	ARG	CA-CB	10.33	1.68	1.53
1	3I	82	ARG	CA-CB	10.33	1.68	1.53
1	32	82	ARG	CA-CB	10.33	1.68	1.53
1	4E	82	ARG	CA-CB	10.33	1.68	1.53
1	4Y	82	ARG	CA-CB	10.33	1.68	1.53
1	5U	82	ARG	CA-CB	10.33	1.68	1.53
1	6M	82	ARG	CA-CB	10.33	1.68	1.53
1	6U	82	ARG	CA-CB	10.33	1.68	1.53
1	7E	82	ARG	CA-CB	10.33	1.68	1.53
1	7Q	82	ARG	CA-CB	10.33	1.68	1.53
1	1Q	82	ARG	CA-CB	10.32	1.68	1.53
1	1U	82	ARG	CA-CB	10.32	1.68	1.53
1	1Y	82	ARG	CA-CB	10.32	1.68	1.53
1	2Q	82	ARG	CA-CB	10.32	1.68	1.53
1	2U	82	ARG	CA-CB	10.32	1.68	1.53
1	2Y	82	ARG	CA-CB	10.32	1.68	1.53
1	42	82	ARG	CA-CB	10.32	1.68	1.53
1	46	82	ARG	CA-CB	10.32	1.68	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	82	ARG	CA-CB	10.32	1.68	1.53
1	52	82	ARG	CA-CB	10.32	1.68	1.53
1	56	82	ARG	CA-CB	10.32	1.68	1.53
1	6A	82	ARG	CA-CB	10.32	1.68	1.53
2	1R	57	LYS	C-O	10.30	1.36	1.24
2	1V	57	LYS	C-O	10.30	1.36	1.24
2	1Z	57	LYS	C-O	10.30	1.36	1.24
2	2R	57	LYS	C-O	10.30	1.36	1.24
2	2V	57	LYS	C-O	10.30	1.36	1.24
2	2Z	57	LYS	C-O	10.30	1.36	1.24
2	43	57	LYS	C-O	10.30	1.36	1.24
2	47	57	LYS	C-O	10.30	1.36	1.24
2	5B	57	LYS	C-O	10.30	1.36	1.24
2	53	57	LYS	C-O	10.30	1.36	1.24
2	57	57	LYS	C-O	10.30	1.36	1.24
2	6B	57	LYS	C-O	10.30	1.36	1.24
2	1N	217	PRO	CG-CD	-10.28	1.15	1.50
2	2J	217	PRO	CG-CD	-10.28	1.15	1.50
2	3B	217	PRO	CG-CD	-10.28	1.15	1.50
2	3J	217	PRO	CG-CD	-10.28	1.15	1.50
2	33	217	PRO	CG-CD	-10.28	1.15	1.50
2	4F	217	PRO	CG-CD	-10.28	1.15	1.50
2	4Z	217	PRO	CG-CD	-10.28	1.15	1.50
2	5V	217	PRO	CG-CD	-10.28	1.15	1.50
2	6N	217	PRO	CG-CD	-10.28	1.15	1.50
2	6V	217	PRO	CG-CD	-10.28	1.15	1.50
2	7F	217	PRO	CG-CD	-10.28	1.15	1.50
2	7R	217	PRO	CG-CD	-10.28	1.15	1.50
2	1B	217	PRO	CG-CD	-10.27	1.15	1.50
2	1J	217	PRO	CG-CD	-10.27	1.15	1.50
1	1Q	48	TYR	CA-CB	10.27	1.72	1.53
2	1R	217	PRO	CG-CD	-10.27	1.15	1.50
1	1U	48	TYR	CA-CB	10.27	1.72	1.53
2	1V	217	PRO	CG-CD	-10.27	1.15	1.50
1	1Y	48	TYR	CA-CB	10.27	1.72	1.53
2	1Z	217	PRO	CG-CD	-10.27	1.15	1.50
1	12	48	TYR	CA-CB	10.27	1.72	1.53
1	16	48	TYR	CA-CB	10.27	1.72	1.53
1	2A	48	TYR	CA-CB	10.27	1.72	1.53
2	2F	217	PRO	CG-CD	-10.27	1.15	1.50
1	2Q	48	TYR	CA-CB	10.27	1.72	1.53
2	2R	217	PRO	CG-CD	-10.27	1.15	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2U	48	TYR	CA-CB	10.27	1.72	1.53
2	2V	217	PRO	CG-CD	-10.27	1.15	1.50
1	2Y	48	TYR	CA-CB	10.27	1.72	1.53
2	2Z	217	PRO	CG-CD	-10.27	1.15	1.50
2	27	217	PRO	CG-CD	-10.27	1.15	1.50
2	3F	217	PRO	CG-CD	-10.27	1.15	1.50
1	3Q	48	TYR	CA-CB	10.27	1.72	1.53
1	3U	48	TYR	CA-CB	10.27	1.72	1.53
1	3Y	48	TYR	CA-CB	10.27	1.72	1.53
2	4B	217	PRO	CG-CD	-10.27	1.15	1.50
2	4N	217	PRO	CG-CD	-10.27	1.15	1.50
2	4V	217	PRO	CG-CD	-10.27	1.15	1.50
1	42	48	TYR	CA-CB	10.27	1.72	1.53
2	43	217	PRO	CG-CD	-10.27	1.15	1.50
1	46	48	TYR	CA-CB	10.27	1.72	1.53
2	47	217	PRO	CG-CD	-10.27	1.15	1.50
1	5A	48	TYR	CA-CB	10.27	1.72	1.53
2	5B	217	PRO	CG-CD	-10.27	1.15	1.50
1	5E	48	TYR	CA-CB	10.27	1.72	1.53
1	5I	48	TYR	CA-CB	10.27	1.72	1.53
1	5M	48	TYR	CA-CB	10.27	1.72	1.53
2	5R	217	PRO	CG-CD	-10.27	1.15	1.50
1	52	48	TYR	CA-CB	10.27	1.72	1.53
2	53	217	PRO	CG-CD	-10.27	1.15	1.50
1	56	48	TYR	CA-CB	10.27	1.72	1.53
2	57	217	PRO	CG-CD	-10.27	1.15	1.50
1	6A	48	TYR	CA-CB	10.27	1.72	1.53
2	6B	217	PRO	CG-CD	-10.27	1.15	1.50
2	6J	217	PRO	CG-CD	-10.27	1.15	1.50
2	6R	217	PRO	CG-CD	-10.27	1.15	1.50
1	62	48	TYR	CA-CB	10.27	1.72	1.53
1	66	48	TYR	CA-CB	10.27	1.72	1.53
1	7A	48	TYR	CA-CB	10.27	1.72	1.53
2	7N	217	PRO	CG-CD	-10.27	1.15	1.50
2	13	217	PRO	CG-CD	-10.26	1.15	1.50
2	17	217	PRO	CG-CD	-10.26	1.15	1.50
2	2B	217	PRO	CG-CD	-10.26	1.15	1.50
2	3R	217	PRO	CG-CD	-10.26	1.15	1.50
2	3V	217	PRO	CG-CD	-10.26	1.15	1.50
2	3Z	217	PRO	CG-CD	-10.26	1.15	1.50
2	5F	217	PRO	CG-CD	-10.26	1.15	1.50
2	5J	217	PRO	CG-CD	-10.26	1.15	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	217	PRO	CG-CD	-10.26	1.15	1.50
2	63	217	PRO	CG-CD	-10.26	1.15	1.50
2	67	217	PRO	CG-CD	-10.26	1.15	1.50
2	7B	217	PRO	CG-CD	-10.26	1.15	1.50
2	1B	57	LYS	C-O	10.25	1.36	1.24
2	1J	57	LYS	C-O	10.25	1.36	1.24
2	2F	57	LYS	C-O	10.25	1.36	1.24
2	27	57	LYS	C-O	10.25	1.36	1.24
2	3F	57	LYS	C-O	10.25	1.36	1.24
2	4B	57	LYS	C-O	10.25	1.36	1.24
2	4N	57	LYS	C-O	10.25	1.36	1.24
2	4V	57	LYS	C-O	10.25	1.36	1.24
2	5R	57	LYS	C-O	10.25	1.36	1.24
2	6J	57	LYS	C-O	10.25	1.36	1.24
2	6R	57	LYS	C-O	10.25	1.36	1.24
2	7N	57	LYS	C-O	10.25	1.36	1.24
2	1F	217	PRO	CG-CD	-10.25	1.16	1.50
2	2N	217	PRO	CG-CD	-10.25	1.16	1.50
2	23	217	PRO	CG-CD	-10.25	1.16	1.50
2	3N	217	PRO	CG-CD	-10.25	1.16	1.50
2	37	217	PRO	CG-CD	-10.25	1.16	1.50
2	4J	217	PRO	CG-CD	-10.25	1.16	1.50
2	4R	217	PRO	CG-CD	-10.25	1.16	1.50
2	5Z	217	PRO	CG-CD	-10.25	1.16	1.50
2	6F	217	PRO	CG-CD	-10.25	1.16	1.50
2	6Z	217	PRO	CG-CD	-10.25	1.16	1.50
2	7J	217	PRO	CG-CD	-10.25	1.16	1.50
2	7V	217	PRO	CG-CD	-10.25	1.16	1.50
1	1E	183	GLN	CA-CB	-10.24	1.32	1.53
1	2M	183	GLN	CA-CB	-10.24	1.32	1.53
1	22	183	GLN	CA-CB	-10.24	1.32	1.53
1	3M	183	GLN	CA-CB	-10.24	1.32	1.53
1	36	183	GLN	CA-CB	-10.24	1.32	1.53
1	4I	183	GLN	CA-CB	-10.24	1.32	1.53
1	4Q	183	GLN	CA-CB	-10.24	1.32	1.53
1	5Y	183	GLN	CA-CB	-10.24	1.32	1.53
1	6E	183	GLN	CA-CB	-10.24	1.32	1.53
1	6Y	183	GLN	CA-CB	-10.24	1.32	1.53
1	7I	183	GLN	CA-CB	-10.24	1.32	1.53
1	7U	183	GLN	CA-CB	-10.24	1.32	1.53
2	1F	57	LYS	C-O	10.24	1.36	1.24
1	1E	48	TYR	CA-CB	10.24	1.72	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	12	183	GLN	CA-CB	-10.24	1.32	1.53
1	16	183	GLN	CA-CB	-10.24	1.32	1.53
1	2A	183	GLN	CA-CB	-10.24	1.32	1.53
2	2N	57	LYS	C-O	10.24	1.36	1.24
2	23	57	LYS	C-O	10.24	1.36	1.24
2	3N	57	LYS	C-O	10.24	1.36	1.24
2	37	57	LYS	C-O	10.24	1.36	1.24
2	4R	57	LYS	C-O	10.24	1.36	1.24
2	5Z	57	LYS	C-O	10.24	1.36	1.24
2	6F	57	LYS	C-O	10.24	1.36	1.24
2	7J	57	LYS	C-O	10.24	1.36	1.24
1	2M	48	TYR	CA-CB	10.24	1.72	1.53
1	22	48	TYR	CA-CB	10.24	1.72	1.53
1	3M	48	TYR	CA-CB	10.24	1.72	1.53
1	3Q	183	GLN	CA-CB	-10.24	1.32	1.53
1	3U	183	GLN	CA-CB	-10.24	1.32	1.53
1	3Y	183	GLN	CA-CB	-10.24	1.32	1.53
2	4J	57	LYS	C-O	10.24	1.36	1.24
1	36	48	TYR	CA-CB	10.24	1.72	1.53
1	4I	48	TYR	CA-CB	10.24	1.72	1.53
1	4Q	48	TYR	CA-CB	10.24	1.72	1.53
1	5E	183	GLN	CA-CB	-10.24	1.32	1.53
1	5I	183	GLN	CA-CB	-10.24	1.32	1.53
1	5M	183	GLN	CA-CB	-10.24	1.32	1.53
2	6Z	57	LYS	C-O	10.24	1.36	1.24
1	5Y	48	TYR	CA-CB	10.24	1.72	1.53
1	6E	48	TYR	CA-CB	10.24	1.72	1.53
1	6Y	48	TYR	CA-CB	10.24	1.72	1.53
1	62	183	GLN	CA-CB	-10.24	1.32	1.53
1	66	183	GLN	CA-CB	-10.24	1.32	1.53
1	7A	183	GLN	CA-CB	-10.24	1.32	1.53
2	7V	57	LYS	C-O	10.24	1.36	1.24
1	7I	48	TYR	CA-CB	10.24	1.72	1.53
1	7U	48	TYR	CA-CB	10.24	1.72	1.53
1	1A	48	TYR	CA-CB	10.22	1.72	1.53
1	1I	48	TYR	CA-CB	10.22	1.72	1.53
1	2E	48	TYR	CA-CB	10.22	1.72	1.53
1	26	48	TYR	CA-CB	10.22	1.72	1.53
1	3E	48	TYR	CA-CB	10.22	1.72	1.53
1	4A	48	TYR	CA-CB	10.22	1.72	1.53
1	4M	48	TYR	CA-CB	10.22	1.72	1.53
1	4U	48	TYR	CA-CB	10.22	1.72	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	48	TYR	CA-CB	10.22	1.72	1.53
1	6I	48	TYR	CA-CB	10.22	1.72	1.53
1	6Q	48	TYR	CA-CB	10.22	1.72	1.53
1	7M	48	TYR	CA-CB	10.22	1.72	1.53
1	1A	183	GLN	CA-CB	-10.22	1.33	1.53
1	1I	183	GLN	CA-CB	-10.22	1.33	1.53
1	1M	183	GLN	CA-CB	-10.22	1.33	1.53
1	2E	183	GLN	CA-CB	-10.22	1.33	1.53
1	2I	183	GLN	CA-CB	-10.22	1.33	1.53
1	26	183	GLN	CA-CB	-10.22	1.33	1.53
1	3A	183	GLN	CA-CB	-10.22	1.33	1.53
1	3E	183	GLN	CA-CB	-10.22	1.33	1.53
1	3I	183	GLN	CA-CB	-10.22	1.33	1.53
1	32	183	GLN	CA-CB	-10.22	1.33	1.53
1	4A	183	GLN	CA-CB	-10.22	1.33	1.53
1	4E	183	GLN	CA-CB	-10.22	1.33	1.53
1	4M	183	GLN	CA-CB	-10.22	1.33	1.53
1	4U	183	GLN	CA-CB	-10.22	1.33	1.53
1	4Y	183	GLN	CA-CB	-10.22	1.33	1.53
1	5Q	183	GLN	CA-CB	-10.22	1.33	1.53
1	5U	183	GLN	CA-CB	-10.22	1.33	1.53
1	6I	183	GLN	CA-CB	-10.22	1.33	1.53
1	6M	183	GLN	CA-CB	-10.22	1.33	1.53
1	6Q	183	GLN	CA-CB	-10.22	1.33	1.53
1	6U	183	GLN	CA-CB	-10.22	1.33	1.53
1	7E	183	GLN	CA-CB	-10.22	1.33	1.53
1	7M	183	GLN	CA-CB	-10.22	1.33	1.53
1	7Q	183	GLN	CA-CB	-10.22	1.33	1.53
1	1M	48	TYR	CA-CB	10.22	1.72	1.53
1	2I	48	TYR	CA-CB	10.22	1.72	1.53
1	3A	48	TYR	CA-CB	10.22	1.72	1.53
1	3I	48	TYR	CA-CB	10.22	1.72	1.53
1	32	48	TYR	CA-CB	10.22	1.72	1.53
1	4E	48	TYR	CA-CB	10.22	1.72	1.53
1	4Y	48	TYR	CA-CB	10.22	1.72	1.53
1	5U	48	TYR	CA-CB	10.22	1.72	1.53
1	6M	48	TYR	CA-CB	10.22	1.72	1.53
1	6U	48	TYR	CA-CB	10.22	1.72	1.53
1	7E	48	TYR	CA-CB	10.22	1.72	1.53
1	7Q	48	TYR	CA-CB	10.22	1.72	1.53
1	1Q	183	GLN	CA-CB	-10.21	1.33	1.53
1	1U	183	GLN	CA-CB	-10.21	1.33	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	183	GLN	CA-CB	-10.21	1.33	1.53
1	2Q	183	GLN	CA-CB	-10.21	1.33	1.53
1	2U	183	GLN	CA-CB	-10.21	1.33	1.53
1	2Y	183	GLN	CA-CB	-10.21	1.33	1.53
1	42	183	GLN	CA-CB	-10.21	1.33	1.53
1	46	183	GLN	CA-CB	-10.21	1.33	1.53
1	5A	183	GLN	CA-CB	-10.21	1.33	1.53
1	52	183	GLN	CA-CB	-10.21	1.33	1.53
1	56	183	GLN	CA-CB	-10.21	1.33	1.53
1	6A	183	GLN	CA-CB	-10.21	1.33	1.53
2	13	57	LYS	C-O	10.21	1.36	1.24
2	17	57	LYS	C-O	10.21	1.36	1.24
2	2B	57	LYS	C-O	10.21	1.36	1.24
2	3R	57	LYS	C-O	10.21	1.36	1.24
2	3V	57	LYS	C-O	10.21	1.36	1.24
2	3Z	57	LYS	C-O	10.21	1.36	1.24
2	5F	57	LYS	C-O	10.21	1.36	1.24
2	5J	57	LYS	C-O	10.21	1.36	1.24
2	5N	57	LYS	C-O	10.21	1.36	1.24
2	63	57	LYS	C-O	10.21	1.36	1.24
2	67	57	LYS	C-O	10.21	1.36	1.24
2	7B	57	LYS	C-O	10.21	1.36	1.24
2	13	60	ARG	NE-CZ	-10.18	1.21	1.33
2	17	60	ARG	NE-CZ	-10.18	1.21	1.33
2	2B	60	ARG	NE-CZ	-10.18	1.21	1.33
2	3R	60	ARG	NE-CZ	-10.18	1.21	1.33
2	3V	60	ARG	NE-CZ	-10.18	1.21	1.33
2	3Z	60	ARG	NE-CZ	-10.18	1.21	1.33
2	5F	60	ARG	NE-CZ	-10.18	1.21	1.33
2	5J	60	ARG	NE-CZ	-10.18	1.21	1.33
2	5N	60	ARG	NE-CZ	-10.18	1.21	1.33
2	63	60	ARG	NE-CZ	-10.18	1.21	1.33
2	67	60	ARG	NE-CZ	-10.18	1.21	1.33
2	7B	60	ARG	NE-CZ	-10.18	1.21	1.33
2	1R	60	ARG	NE-CZ	-10.18	1.21	1.33
2	1V	60	ARG	NE-CZ	-10.18	1.21	1.33
2	1Z	60	ARG	NE-CZ	-10.18	1.21	1.33
2	2R	60	ARG	NE-CZ	-10.18	1.21	1.33
2	2V	60	ARG	NE-CZ	-10.18	1.21	1.33
2	2Z	60	ARG	NE-CZ	-10.18	1.21	1.33
2	43	60	ARG	NE-CZ	-10.18	1.21	1.33
2	47	60	ARG	NE-CZ	-10.18	1.21	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	60	ARG	NE-CZ	-10.18	1.21	1.33
2	53	60	ARG	NE-CZ	-10.18	1.21	1.33
2	57	60	ARG	NE-CZ	-10.18	1.21	1.33
2	6B	60	ARG	NE-CZ	-10.18	1.21	1.33
2	1B	60	ARG	NE-CZ	-10.17	1.21	1.33
2	1J	60	ARG	NE-CZ	-10.17	1.21	1.33
2	1N	60	ARG	NE-CZ	-10.17	1.21	1.33
2	2F	60	ARG	NE-CZ	-10.17	1.21	1.33
2	2J	60	ARG	NE-CZ	-10.17	1.21	1.33
2	27	60	ARG	NE-CZ	-10.17	1.21	1.33
2	3B	60	ARG	NE-CZ	-10.17	1.21	1.33
2	3F	60	ARG	NE-CZ	-10.17	1.21	1.33
2	3J	60	ARG	NE-CZ	-10.17	1.21	1.33
2	33	60	ARG	NE-CZ	-10.17	1.21	1.33
2	4B	60	ARG	NE-CZ	-10.17	1.21	1.33
2	4F	60	ARG	NE-CZ	-10.17	1.21	1.33
2	4N	60	ARG	NE-CZ	-10.17	1.21	1.33
2	4V	60	ARG	NE-CZ	-10.17	1.21	1.33
2	4Z	60	ARG	NE-CZ	-10.17	1.21	1.33
2	5R	60	ARG	NE-CZ	-10.17	1.21	1.33
2	5V	60	ARG	NE-CZ	-10.17	1.21	1.33
2	6J	60	ARG	NE-CZ	-10.17	1.21	1.33
2	6N	60	ARG	NE-CZ	-10.17	1.21	1.33
2	6R	60	ARG	NE-CZ	-10.17	1.21	1.33
2	6V	60	ARG	NE-CZ	-10.17	1.21	1.33
2	7F	60	ARG	NE-CZ	-10.17	1.21	1.33
2	7N	60	ARG	NE-CZ	-10.17	1.21	1.33
2	7R	60	ARG	NE-CZ	-10.17	1.21	1.33
2	1F	60	ARG	NE-CZ	-10.16	1.21	1.33
2	2N	60	ARG	NE-CZ	-10.16	1.21	1.33
2	23	60	ARG	NE-CZ	-10.16	1.21	1.33
2	3N	60	ARG	NE-CZ	-10.16	1.21	1.33
2	37	60	ARG	NE-CZ	-10.16	1.21	1.33
2	4J	60	ARG	NE-CZ	-10.16	1.21	1.33
2	4R	60	ARG	NE-CZ	-10.16	1.21	1.33
2	5Z	60	ARG	NE-CZ	-10.16	1.21	1.33
2	6F	60	ARG	NE-CZ	-10.16	1.21	1.33
2	6Z	60	ARG	NE-CZ	-10.16	1.21	1.33
2	7J	60	ARG	NE-CZ	-10.16	1.21	1.33
2	7V	60	ARG	NE-CZ	-10.16	1.21	1.33
2	1N	57	LYS	C-O	10.15	1.36	1.24
2	2J	57	LYS	C-O	10.15	1.36	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	57	LYS	C-O	10.15	1.36	1.24
2	3J	57	LYS	C-O	10.15	1.36	1.24
2	33	57	LYS	C-O	10.15	1.36	1.24
2	4F	57	LYS	C-O	10.15	1.36	1.24
2	4Z	57	LYS	C-O	10.15	1.36	1.24
2	5V	57	LYS	C-O	10.15	1.36	1.24
2	6N	57	LYS	C-O	10.15	1.36	1.24
2	6V	57	LYS	C-O	10.15	1.36	1.24
2	7F	57	LYS	C-O	10.15	1.36	1.24
2	7R	57	LYS	C-O	10.15	1.36	1.24
1	1M	43	HIS	CE1-NE2	10.14	1.42	1.32
1	2I	43	HIS	CE1-NE2	10.14	1.42	1.32
1	3A	43	HIS	CE1-NE2	10.14	1.42	1.32
1	3I	43	HIS	CE1-NE2	10.14	1.42	1.32
1	32	43	HIS	CE1-NE2	10.14	1.42	1.32
1	4E	43	HIS	CE1-NE2	10.14	1.42	1.32
1	4Y	43	HIS	CE1-NE2	10.14	1.42	1.32
1	5U	43	HIS	CE1-NE2	10.14	1.42	1.32
1	6M	43	HIS	CE1-NE2	10.14	1.42	1.32
1	6U	43	HIS	CE1-NE2	10.14	1.42	1.32
1	7E	43	HIS	CE1-NE2	10.14	1.42	1.32
1	7Q	43	HIS	CE1-NE2	10.14	1.42	1.32
1	1E	43	HIS	CE1-NE2	10.13	1.42	1.32
1	2M	43	HIS	CE1-NE2	10.13	1.42	1.32
1	22	43	HIS	CE1-NE2	10.13	1.42	1.32
1	3M	43	HIS	CE1-NE2	10.13	1.42	1.32
1	36	43	HIS	CE1-NE2	10.13	1.42	1.32
1	4I	43	HIS	CE1-NE2	10.13	1.42	1.32
1	4Q	43	HIS	CE1-NE2	10.13	1.42	1.32
1	5Y	43	HIS	CE1-NE2	10.13	1.42	1.32
1	6E	43	HIS	CE1-NE2	10.13	1.42	1.32
1	6Y	43	HIS	CE1-NE2	10.13	1.42	1.32
1	7I	43	HIS	CE1-NE2	10.13	1.42	1.32
1	7U	43	HIS	CE1-NE2	10.13	1.42	1.32
1	1Q	43	HIS	CE1-NE2	10.13	1.42	1.32
1	1Q	178	SER	CA-CB	10.13	1.71	1.53
1	1U	43	HIS	CE1-NE2	10.13	1.42	1.32
1	1U	178	SER	CA-CB	10.13	1.71	1.53
1	1Y	43	HIS	CE1-NE2	10.13	1.42	1.32
1	1Y	178	SER	CA-CB	10.13	1.71	1.53
1	12	43	HIS	CE1-NE2	10.13	1.42	1.32
1	12	178	SER	CA-CB	10.13	1.71	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	16	43	HIS	CE1-NE2	10.13	1.42	1.32
1	16	178	SER	CA-CB	10.13	1.71	1.53
1	2A	43	HIS	CE1-NE2	10.13	1.42	1.32
1	2A	178	SER	CA-CB	10.13	1.71	1.53
1	2Q	43	HIS	CE1-NE2	10.13	1.42	1.32
1	2Q	178	SER	CA-CB	10.13	1.71	1.53
1	2U	43	HIS	CE1-NE2	10.13	1.42	1.32
1	2U	178	SER	CA-CB	10.13	1.71	1.53
1	2Y	43	HIS	CE1-NE2	10.13	1.42	1.32
1	2Y	178	SER	CA-CB	10.13	1.71	1.53
1	3Q	43	HIS	CE1-NE2	10.13	1.42	1.32
1	3Q	178	SER	CA-CB	10.13	1.71	1.53
1	3U	43	HIS	CE1-NE2	10.13	1.42	1.32
1	3U	178	SER	CA-CB	10.13	1.71	1.53
1	3Y	43	HIS	CE1-NE2	10.13	1.42	1.32
1	3Y	178	SER	CA-CB	10.13	1.71	1.53
1	42	43	HIS	CE1-NE2	10.13	1.42	1.32
1	42	178	SER	CA-CB	10.13	1.71	1.53
1	46	43	HIS	CE1-NE2	10.13	1.42	1.32
1	46	178	SER	CA-CB	10.13	1.71	1.53
1	5A	43	HIS	CE1-NE2	10.13	1.42	1.32
1	5A	178	SER	CA-CB	10.13	1.71	1.53
1	5E	43	HIS	CE1-NE2	10.13	1.42	1.32
1	5E	178	SER	CA-CB	10.13	1.71	1.53
1	5I	43	HIS	CE1-NE2	10.13	1.42	1.32
1	5I	178	SER	CA-CB	10.13	1.71	1.53
1	5M	43	HIS	CE1-NE2	10.13	1.42	1.32
1	5M	178	SER	CA-CB	10.13	1.71	1.53
1	52	43	HIS	CE1-NE2	10.13	1.42	1.32
1	52	178	SER	CA-CB	10.13	1.71	1.53
1	56	43	HIS	CE1-NE2	10.13	1.42	1.32
1	56	178	SER	CA-CB	10.13	1.71	1.53
1	6A	43	HIS	CE1-NE2	10.13	1.42	1.32
1	6A	178	SER	CA-CB	10.13	1.71	1.53
1	62	43	HIS	CE1-NE2	10.13	1.42	1.32
1	62	178	SER	CA-CB	10.13	1.71	1.53
1	66	43	HIS	CE1-NE2	10.13	1.42	1.32
1	66	178	SER	CA-CB	10.13	1.71	1.53
1	7A	43	HIS	CE1-NE2	10.13	1.42	1.32
1	7A	178	SER	CA-CB	10.13	1.71	1.53
1	1A	43	HIS	CE1-NE2	10.12	1.42	1.32
1	1I	43	HIS	CE1-NE2	10.12	1.42	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	12	52	PHE	CA-CB	10.12	1.69	1.53
1	16	52	PHE	CA-CB	10.12	1.69	1.53
1	2A	52	PHE	CA-CB	10.12	1.69	1.53
1	2E	43	HIS	CE1-NE2	10.12	1.42	1.32
1	26	43	HIS	CE1-NE2	10.12	1.42	1.32
1	3E	43	HIS	CE1-NE2	10.12	1.42	1.32
1	3Q	52	PHE	CA-CB	10.12	1.69	1.53
1	3U	52	PHE	CA-CB	10.12	1.69	1.53
1	3Y	52	PHE	CA-CB	10.12	1.69	1.53
1	4A	43	HIS	CE1-NE2	10.12	1.42	1.32
1	4M	43	HIS	CE1-NE2	10.12	1.42	1.32
1	4U	43	HIS	CE1-NE2	10.12	1.42	1.32
1	5E	52	PHE	CA-CB	10.12	1.69	1.53
1	5I	52	PHE	CA-CB	10.12	1.69	1.53
1	5M	52	PHE	CA-CB	10.12	1.69	1.53
1	5Q	43	HIS	CE1-NE2	10.12	1.42	1.32
1	6I	43	HIS	CE1-NE2	10.12	1.42	1.32
1	6Q	43	HIS	CE1-NE2	10.12	1.42	1.32
1	62	52	PHE	CA-CB	10.12	1.69	1.53
1	66	52	PHE	CA-CB	10.12	1.69	1.53
1	7A	52	PHE	CA-CB	10.12	1.69	1.53
1	7M	43	HIS	CE1-NE2	10.12	1.42	1.32
1	1M	178	SER	CA-CB	10.11	1.71	1.53
1	2I	178	SER	CA-CB	10.11	1.71	1.53
1	3A	178	SER	CA-CB	10.11	1.71	1.53
1	3I	178	SER	CA-CB	10.11	1.71	1.53
1	32	178	SER	CA-CB	10.11	1.71	1.53
1	4E	178	SER	CA-CB	10.11	1.71	1.53
1	4Y	178	SER	CA-CB	10.11	1.71	1.53
1	5U	178	SER	CA-CB	10.11	1.71	1.53
1	6M	178	SER	CA-CB	10.11	1.71	1.53
1	6U	178	SER	CA-CB	10.11	1.71	1.53
1	7E	178	SER	CA-CB	10.11	1.71	1.53
1	7Q	178	SER	CA-CB	10.11	1.71	1.53
1	1M	52	PHE	CA-CB	10.11	1.69	1.53
1	2I	52	PHE	CA-CB	10.11	1.69	1.53
1	3A	52	PHE	CA-CB	10.11	1.69	1.53
1	3I	52	PHE	CA-CB	10.11	1.69	1.53
1	32	52	PHE	CA-CB	10.11	1.69	1.53
1	4E	52	PHE	CA-CB	10.11	1.69	1.53
1	4Y	52	PHE	CA-CB	10.11	1.69	1.53
1	5U	52	PHE	CA-CB	10.11	1.69	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	52	PHE	CA-CB	10.11	1.69	1.53
1	6U	52	PHE	CA-CB	10.11	1.69	1.53
1	7E	52	PHE	CA-CB	10.11	1.69	1.53
1	7Q	52	PHE	CA-CB	10.11	1.69	1.53
1	1A	178	SER	CA-CB	10.10	1.71	1.53
2	1B	107	PHE	C-O	-10.10	1.12	1.24
1	1E	178	SER	CA-CB	10.10	1.71	1.53
1	1I	178	SER	CA-CB	10.10	1.71	1.53
2	1J	107	PHE	C-O	-10.10	1.12	1.24
1	2E	178	SER	CA-CB	10.10	1.71	1.53
2	2F	107	PHE	C-O	-10.10	1.12	1.24
1	2M	178	SER	CA-CB	10.10	1.71	1.53
1	22	178	SER	CA-CB	10.10	1.71	1.53
1	26	178	SER	CA-CB	10.10	1.71	1.53
2	27	107	PHE	C-O	-10.10	1.12	1.24
1	3E	178	SER	CA-CB	10.10	1.71	1.53
2	3F	107	PHE	C-O	-10.10	1.12	1.24
1	3M	178	SER	CA-CB	10.10	1.71	1.53
1	36	178	SER	CA-CB	10.10	1.71	1.53
1	4A	178	SER	CA-CB	10.10	1.71	1.53
2	4B	107	PHE	C-O	-10.10	1.12	1.24
1	4I	178	SER	CA-CB	10.10	1.71	1.53
1	4M	178	SER	CA-CB	10.10	1.71	1.53
2	4N	107	PHE	C-O	-10.10	1.12	1.24
1	4Q	178	SER	CA-CB	10.10	1.71	1.53
1	4U	178	SER	CA-CB	10.10	1.71	1.53
2	4V	107	PHE	C-O	-10.10	1.12	1.24
1	5Q	178	SER	CA-CB	10.10	1.71	1.53
2	5R	107	PHE	C-O	-10.10	1.12	1.24
1	5Y	178	SER	CA-CB	10.10	1.71	1.53
1	6E	178	SER	CA-CB	10.10	1.71	1.53
1	6I	178	SER	CA-CB	10.10	1.71	1.53
2	6J	107	PHE	C-O	-10.10	1.12	1.24
1	6Q	178	SER	CA-CB	10.10	1.71	1.53
2	6R	107	PHE	C-O	-10.10	1.12	1.24
1	6Y	178	SER	CA-CB	10.10	1.71	1.53
1	7I	178	SER	CA-CB	10.10	1.71	1.53
1	7M	178	SER	CA-CB	10.10	1.71	1.53
2	7N	107	PHE	C-O	-10.10	1.12	1.24
1	7U	178	SER	CA-CB	10.10	1.71	1.53
1	1Q	52	PHE	CA-CB	10.09	1.69	1.53
1	1U	52	PHE	CA-CB	10.09	1.69	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	52	PHE	CA-CB	10.09	1.69	1.53
1	2Q	52	PHE	CA-CB	10.09	1.69	1.53
1	2U	52	PHE	CA-CB	10.09	1.69	1.53
1	2Y	52	PHE	CA-CB	10.09	1.69	1.53
1	42	52	PHE	CA-CB	10.09	1.69	1.53
1	46	52	PHE	CA-CB	10.09	1.69	1.53
1	5A	52	PHE	CA-CB	10.09	1.69	1.53
1	52	52	PHE	CA-CB	10.09	1.69	1.53
1	56	52	PHE	CA-CB	10.09	1.69	1.53
1	6A	52	PHE	CA-CB	10.09	1.69	1.53
1	1A	52	PHE	CA-CB	10.09	1.69	1.53
1	1E	52	PHE	CA-CB	10.09	1.69	1.53
1	1I	52	PHE	CA-CB	10.09	1.69	1.53
1	2E	52	PHE	CA-CB	10.09	1.69	1.53
1	2M	52	PHE	CA-CB	10.09	1.69	1.53
1	22	52	PHE	CA-CB	10.09	1.69	1.53
1	26	52	PHE	CA-CB	10.09	1.69	1.53
1	3E	52	PHE	CA-CB	10.09	1.69	1.53
1	3M	52	PHE	CA-CB	10.09	1.69	1.53
1	36	52	PHE	CA-CB	10.09	1.69	1.53
1	4A	52	PHE	CA-CB	10.09	1.69	1.53
1	4I	52	PHE	CA-CB	10.09	1.69	1.53
1	4M	52	PHE	CA-CB	10.09	1.69	1.53
1	4Q	52	PHE	CA-CB	10.09	1.69	1.53
1	4U	52	PHE	CA-CB	10.09	1.69	1.53
1	5Q	52	PHE	CA-CB	10.09	1.69	1.53
1	5Y	52	PHE	CA-CB	10.09	1.69	1.53
1	6E	52	PHE	CA-CB	10.09	1.69	1.53
1	6I	52	PHE	CA-CB	10.09	1.69	1.53
1	6Q	52	PHE	CA-CB	10.09	1.69	1.53
1	6Y	52	PHE	CA-CB	10.09	1.69	1.53
1	7I	52	PHE	CA-CB	10.09	1.69	1.53
1	7M	52	PHE	CA-CB	10.09	1.69	1.53
1	7U	52	PHE	CA-CB	10.09	1.69	1.53
2	1F	17	THR	CA-C	10.08	1.65	1.52
2	1N	107	PHE	C-O	-10.08	1.12	1.24
2	2J	107	PHE	C-O	-10.08	1.12	1.24
2	3B	107	PHE	C-O	-10.08	1.12	1.24
2	3J	107	PHE	C-O	-10.08	1.12	1.24
2	33	107	PHE	C-O	-10.08	1.12	1.24
2	13	17	THR	CA-C	10.08	1.65	1.52
2	17	17	THR	CA-C	10.08	1.65	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	17	THR	CA-C	10.08	1.65	1.52
2	2N	17	THR	CA-C	10.08	1.65	1.52
2	23	17	THR	CA-C	10.08	1.65	1.52
2	3N	17	THR	CA-C	10.08	1.65	1.52
2	4Z	107	PHE	C-O	-10.08	1.12	1.24
2	3R	17	THR	CA-C	10.08	1.65	1.52
2	3V	17	THR	CA-C	10.08	1.65	1.52
2	3Z	17	THR	CA-C	10.08	1.65	1.52
2	37	17	THR	CA-C	10.08	1.65	1.52
2	4F	107	PHE	C-O	-10.08	1.12	1.24
2	4J	17	THR	CA-C	10.08	1.65	1.52
2	4R	17	THR	CA-C	10.08	1.65	1.52
2	5V	107	PHE	C-O	-10.08	1.12	1.24
2	7R	107	PHE	C-O	-10.08	1.12	1.24
2	5F	17	THR	CA-C	10.08	1.65	1.52
2	5J	17	THR	CA-C	10.08	1.65	1.52
2	5N	17	THR	CA-C	10.08	1.65	1.52
2	5Z	17	THR	CA-C	10.08	1.65	1.52
2	6F	17	THR	CA-C	10.08	1.65	1.52
2	6N	107	PHE	C-O	-10.08	1.12	1.24
2	6V	107	PHE	C-O	-10.08	1.12	1.24
2	6Z	17	THR	CA-C	10.08	1.65	1.52
2	7F	107	PHE	C-O	-10.08	1.12	1.24
2	63	17	THR	CA-C	10.08	1.65	1.52
2	67	17	THR	CA-C	10.08	1.65	1.52
2	7B	17	THR	CA-C	10.08	1.65	1.52
2	7J	17	THR	CA-C	10.08	1.65	1.52
2	7V	17	THR	CA-C	10.08	1.65	1.52
2	1B	17	THR	CA-C	10.08	1.65	1.52
2	1J	17	THR	CA-C	10.08	1.65	1.52
2	2F	17	THR	CA-C	10.08	1.65	1.52
2	27	17	THR	CA-C	10.08	1.65	1.52
2	3F	17	THR	CA-C	10.08	1.65	1.52
2	4B	17	THR	CA-C	10.08	1.65	1.52
2	4N	17	THR	CA-C	10.08	1.65	1.52
2	4V	17	THR	CA-C	10.08	1.65	1.52
2	5R	17	THR	CA-C	10.08	1.65	1.52
2	6J	17	THR	CA-C	10.08	1.65	1.52
2	6R	17	THR	CA-C	10.08	1.65	1.52
2	7N	17	THR	CA-C	10.08	1.65	1.52
2	1F	107	PHE	C-O	-10.07	1.12	1.24
2	2N	107	PHE	C-O	-10.07	1.12	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	107	PHE	C-O	-10.07	1.12	1.24
2	3N	107	PHE	C-O	-10.07	1.12	1.24
2	37	107	PHE	C-O	-10.07	1.12	1.24
2	4J	107	PHE	C-O	-10.07	1.12	1.24
2	4R	107	PHE	C-O	-10.07	1.12	1.24
2	5Z	107	PHE	C-O	-10.07	1.12	1.24
2	6F	107	PHE	C-O	-10.07	1.12	1.24
2	6Z	107	PHE	C-O	-10.07	1.12	1.24
2	7J	107	PHE	C-O	-10.07	1.12	1.24
2	7V	107	PHE	C-O	-10.07	1.12	1.24
2	1R	107	PHE	C-O	-10.06	1.12	1.24
2	1V	107	PHE	C-O	-10.06	1.12	1.24
2	1Z	107	PHE	C-O	-10.06	1.12	1.24
2	2R	107	PHE	C-O	-10.06	1.12	1.24
2	2V	107	PHE	C-O	-10.06	1.12	1.24
2	2Z	107	PHE	C-O	-10.06	1.12	1.24
2	43	107	PHE	C-O	-10.06	1.12	1.24
2	47	107	PHE	C-O	-10.06	1.12	1.24
2	5B	107	PHE	C-O	-10.06	1.12	1.24
2	53	107	PHE	C-O	-10.06	1.12	1.24
2	57	107	PHE	C-O	-10.06	1.12	1.24
2	6B	107	PHE	C-O	-10.06	1.12	1.24
2	1N	17	THR	CA-C	10.06	1.65	1.52
2	2J	17	THR	CA-C	10.06	1.65	1.52
2	3B	17	THR	CA-C	10.06	1.65	1.52
2	3J	17	THR	CA-C	10.06	1.65	1.52
2	33	17	THR	CA-C	10.06	1.65	1.52
2	4F	17	THR	CA-C	10.06	1.65	1.52
2	4Z	17	THR	CA-C	10.06	1.65	1.52
2	5V	17	THR	CA-C	10.06	1.65	1.52
2	6N	17	THR	CA-C	10.06	1.65	1.52
2	6V	17	THR	CA-C	10.06	1.65	1.52
2	7F	17	THR	CA-C	10.06	1.65	1.52
2	7R	17	THR	CA-C	10.06	1.65	1.52
2	1N	17	THR	C-N	-10.06	1.19	1.33
2	2J	17	THR	C-N	-10.06	1.19	1.33
2	3B	17	THR	C-N	-10.06	1.19	1.33
2	3J	17	THR	C-N	-10.06	1.19	1.33
2	33	17	THR	C-N	-10.06	1.19	1.33
2	4F	17	THR	C-N	-10.06	1.19	1.33
2	4Z	17	THR	C-N	-10.06	1.19	1.33
2	5V	17	THR	C-N	-10.06	1.19	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	17	THR	C-N	-10.06	1.19	1.33
2	6V	17	THR	C-N	-10.06	1.19	1.33
2	7F	17	THR	C-N	-10.06	1.19	1.33
2	7R	17	THR	C-N	-10.06	1.19	1.33
2	13	17	THR	C-N	-10.05	1.19	1.33
2	17	17	THR	C-N	-10.05	1.19	1.33
2	2B	17	THR	C-N	-10.05	1.19	1.33
2	3R	17	THR	C-N	-10.05	1.19	1.33
2	3V	17	THR	C-N	-10.05	1.19	1.33
2	3Z	17	THR	C-N	-10.05	1.19	1.33
2	5F	17	THR	C-N	-10.05	1.19	1.33
2	5J	17	THR	C-N	-10.05	1.19	1.33
2	5N	17	THR	C-N	-10.05	1.19	1.33
2	63	17	THR	C-N	-10.05	1.19	1.33
2	67	17	THR	C-N	-10.05	1.19	1.33
2	7B	17	THR	C-N	-10.05	1.19	1.33
2	13	107	PHE	C-O	-10.05	1.12	1.24
2	17	107	PHE	C-O	-10.05	1.12	1.24
2	2B	107	PHE	C-O	-10.05	1.12	1.24
2	3R	107	PHE	C-O	-10.05	1.12	1.24
2	3V	107	PHE	C-O	-10.05	1.12	1.24
2	3Z	107	PHE	C-O	-10.05	1.12	1.24
2	5F	107	PHE	C-O	-10.05	1.12	1.24
2	5J	107	PHE	C-O	-10.05	1.12	1.24
2	5N	107	PHE	C-O	-10.05	1.12	1.24
2	63	107	PHE	C-O	-10.05	1.12	1.24
2	67	107	PHE	C-O	-10.05	1.12	1.24
2	7B	107	PHE	C-O	-10.05	1.12	1.24
2	1R	17	THR	C-N	-10.03	1.19	1.33
2	1V	17	THR	C-N	-10.03	1.19	1.33
2	1Z	17	THR	C-N	-10.03	1.19	1.33
2	2R	17	THR	C-N	-10.03	1.19	1.33
2	2V	17	THR	C-N	-10.03	1.19	1.33
2	2Z	17	THR	C-N	-10.03	1.19	1.33
2	43	17	THR	C-N	-10.03	1.19	1.33
2	47	17	THR	C-N	-10.03	1.19	1.33
2	5B	17	THR	C-N	-10.03	1.19	1.33
2	53	17	THR	C-N	-10.03	1.19	1.33
2	57	17	THR	C-N	-10.03	1.19	1.33
2	6B	17	THR	C-N	-10.03	1.19	1.33
2	1B	17	THR	C-N	-10.03	1.19	1.33
2	1J	17	THR	C-N	-10.03	1.19	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1R	17	THR	CA-C	10.03	1.65	1.52
2	1V	17	THR	CA-C	10.03	1.65	1.52
2	1Z	17	THR	CA-C	10.03	1.65	1.52
2	2F	17	THR	C-N	-10.03	1.19	1.33
2	2R	17	THR	CA-C	10.03	1.65	1.52
2	2V	17	THR	CA-C	10.03	1.65	1.52
2	2Z	17	THR	CA-C	10.03	1.65	1.52
2	27	17	THR	C-N	-10.03	1.19	1.33
2	3F	17	THR	C-N	-10.03	1.19	1.33
2	4B	17	THR	C-N	-10.03	1.19	1.33
2	4N	17	THR	C-N	-10.03	1.19	1.33
2	4V	17	THR	C-N	-10.03	1.19	1.33
2	43	17	THR	CA-C	10.03	1.65	1.52
2	47	17	THR	CA-C	10.03	1.65	1.52
2	5B	17	THR	CA-C	10.03	1.65	1.52
2	5R	17	THR	C-N	-10.03	1.19	1.33
2	53	17	THR	CA-C	10.03	1.65	1.52
2	57	17	THR	CA-C	10.03	1.65	1.52
2	6B	17	THR	CA-C	10.03	1.65	1.52
2	6J	17	THR	C-N	-10.03	1.19	1.33
2	6R	17	THR	C-N	-10.03	1.19	1.33
2	7N	17	THR	C-N	-10.03	1.19	1.33
1	1E	97	SER	N-CA	10.02	1.60	1.46
1	2M	97	SER	N-CA	10.02	1.60	1.46
1	22	97	SER	N-CA	10.02	1.60	1.46
1	3M	97	SER	N-CA	10.02	1.60	1.46
1	36	97	SER	N-CA	10.02	1.60	1.46
1	4I	97	SER	N-CA	10.02	1.60	1.46
1	4Q	97	SER	N-CA	10.02	1.60	1.46
1	5Y	97	SER	N-CA	10.02	1.60	1.46
1	6E	97	SER	N-CA	10.02	1.60	1.46
1	6Y	97	SER	N-CA	10.02	1.60	1.46
1	7I	97	SER	N-CA	10.02	1.60	1.46
1	7U	97	SER	N-CA	10.02	1.60	1.46
1	12	29	TYR	C-N	10.01	1.47	1.33
1	16	29	TYR	C-N	10.01	1.47	1.33
1	2A	29	TYR	C-N	10.01	1.47	1.33
1	3Q	29	TYR	C-N	10.01	1.47	1.33
1	3U	29	TYR	C-N	10.01	1.47	1.33
1	3Y	29	TYR	C-N	10.01	1.47	1.33
1	5E	29	TYR	C-N	10.01	1.47	1.33
1	5I	29	TYR	C-N	10.01	1.47	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	29	TYR	C-N	10.01	1.47	1.33
1	62	29	TYR	C-N	10.01	1.47	1.33
1	66	29	TYR	C-N	10.01	1.47	1.33
1	7A	29	TYR	C-N	10.01	1.47	1.33
1	1A	97	SER	N-CA	10.01	1.60	1.46
1	1I	97	SER	N-CA	10.01	1.60	1.46
1	2E	97	SER	N-CA	10.01	1.60	1.46
1	26	97	SER	N-CA	10.01	1.60	1.46
1	3E	97	SER	N-CA	10.01	1.60	1.46
1	4A	97	SER	N-CA	10.01	1.60	1.46
1	4M	97	SER	N-CA	10.01	1.60	1.46
1	4U	97	SER	N-CA	10.01	1.60	1.46
1	5Q	97	SER	N-CA	10.01	1.60	1.46
1	6I	97	SER	N-CA	10.01	1.60	1.46
1	6Q	97	SER	N-CA	10.01	1.60	1.46
1	7M	97	SER	N-CA	10.01	1.60	1.46
1	1M	29	TYR	C-N	10.00	1.47	1.33
1	12	147	ARG	CB-CG	10.00	1.82	1.52
1	16	147	ARG	CB-CG	10.00	1.82	1.52
1	2A	147	ARG	CB-CG	10.00	1.82	1.52
1	2I	29	TYR	C-N	10.00	1.47	1.33
1	3A	29	TYR	C-N	10.00	1.47	1.33
1	3I	29	TYR	C-N	10.00	1.47	1.33
1	3Q	147	ARG	CB-CG	10.00	1.82	1.52
1	3U	147	ARG	CB-CG	10.00	1.82	1.52
1	3Y	147	ARG	CB-CG	10.00	1.82	1.52
1	32	29	TYR	C-N	10.00	1.47	1.33
1	4E	29	TYR	C-N	10.00	1.47	1.33
1	4Y	29	TYR	C-N	10.00	1.47	1.33
1	5E	147	ARG	CB-CG	10.00	1.82	1.52
1	5I	147	ARG	CB-CG	10.00	1.82	1.52
1	5M	147	ARG	CB-CG	10.00	1.82	1.52
1	5U	29	TYR	C-N	10.00	1.47	1.33
1	6M	29	TYR	C-N	10.00	1.47	1.33
1	6U	29	TYR	C-N	10.00	1.47	1.33
1	62	147	ARG	CB-CG	10.00	1.82	1.52
1	66	147	ARG	CB-CG	10.00	1.82	1.52
1	7A	147	ARG	CB-CG	10.00	1.82	1.52
1	7E	29	TYR	C-N	10.00	1.47	1.33
1	7Q	29	TYR	C-N	10.00	1.47	1.33
1	1A	29	TYR	C-N	10.00	1.47	1.33
2	1F	221	ALA	CA-CB	-10.00	1.40	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1I	29	TYR	C-N	10.00	1.47	1.33
1	2E	29	TYR	C-N	10.00	1.47	1.33
2	2N	221	ALA	CA-CB	-10.00	1.40	1.53
2	23	221	ALA	CA-CB	-10.00	1.40	1.53
1	26	29	TYR	C-N	10.00	1.47	1.33
1	3E	29	TYR	C-N	10.00	1.47	1.33
2	3N	221	ALA	CA-CB	-10.00	1.40	1.53
2	37	221	ALA	CA-CB	-10.00	1.40	1.53
1	4A	29	TYR	C-N	10.00	1.47	1.33
2	4J	221	ALA	CA-CB	-10.00	1.40	1.53
1	4M	29	TYR	C-N	10.00	1.47	1.33
2	4R	221	ALA	CA-CB	-10.00	1.40	1.53
1	4U	29	TYR	C-N	10.00	1.47	1.33
1	5Q	29	TYR	C-N	10.00	1.47	1.33
2	5Z	221	ALA	CA-CB	-10.00	1.40	1.53
2	6F	221	ALA	CA-CB	-10.00	1.40	1.53
1	6I	29	TYR	C-N	10.00	1.47	1.33
1	6Q	29	TYR	C-N	10.00	1.47	1.33
2	6Z	221	ALA	CA-CB	-10.00	1.40	1.53
2	7J	221	ALA	CA-CB	-10.00	1.40	1.53
1	7M	29	TYR	C-N	10.00	1.47	1.33
2	7V	221	ALA	CA-CB	-10.00	1.40	1.53
2	1F	17	THR	C-N	-9.99	1.19	1.33
1	1M	97	SER	N-CA	9.99	1.60	1.46
1	2I	97	SER	N-CA	9.99	1.60	1.46
2	2N	17	THR	C-N	-9.99	1.19	1.33
2	23	17	THR	C-N	-9.99	1.19	1.33
1	3A	97	SER	N-CA	9.99	1.60	1.46
1	3I	97	SER	N-CA	9.99	1.60	1.46
2	3N	17	THR	C-N	-9.99	1.19	1.33
1	32	97	SER	N-CA	9.99	1.60	1.46
2	37	17	THR	C-N	-9.99	1.19	1.33
1	4E	97	SER	N-CA	9.99	1.60	1.46
2	4J	17	THR	C-N	-9.99	1.19	1.33
2	4R	17	THR	C-N	-9.99	1.19	1.33
1	4Y	97	SER	N-CA	9.99	1.60	1.46
1	5U	97	SER	N-CA	9.99	1.60	1.46
2	5Z	17	THR	C-N	-9.99	1.19	1.33
2	6F	17	THR	C-N	-9.99	1.19	1.33
1	6M	97	SER	N-CA	9.99	1.60	1.46
1	6U	97	SER	N-CA	9.99	1.60	1.46
2	6Z	17	THR	C-N	-9.99	1.19	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7E	97	SER	N-CA	9.99	1.60	1.46
2	7J	17	THR	C-N	-9.99	1.19	1.33
1	7Q	97	SER	N-CA	9.99	1.60	1.46
2	7V	17	THR	C-N	-9.99	1.19	1.33
2	1F	215	GLN	CB-CG	-9.99	1.22	1.52
2	1N	215	GLN	CB-CG	-9.99	1.22	1.52
1	1Q	97	SER	N-CA	9.99	1.60	1.46
2	1R	215	GLN	CB-CG	-9.99	1.22	1.52
1	1U	97	SER	N-CA	9.99	1.60	1.46
1	12	97	SER	N-CA	9.99	1.60	1.46
1	2A	97	SER	N-CA	9.99	1.60	1.46
2	4F	215	GLN	CB-CG	-9.99	1.22	1.52
2	4Z	215	GLN	CB-CG	-9.99	1.22	1.52
1	7A	97	SER	N-CA	9.99	1.60	1.46
2	1V	215	GLN	CB-CG	-9.99	1.22	1.52
1	1Y	97	SER	N-CA	9.99	1.60	1.46
2	1Z	215	GLN	CB-CG	-9.99	1.22	1.52
2	13	221	ALA	CA-CB	-9.99	1.40	1.53
1	16	97	SER	N-CA	9.99	1.60	1.46
2	17	221	ALA	CA-CB	-9.99	1.40	1.53
2	2B	221	ALA	CA-CB	-9.99	1.40	1.53
2	2J	215	GLN	CB-CG	-9.99	1.22	1.52
2	2N	215	GLN	CB-CG	-9.99	1.22	1.52
1	2Q	97	SER	N-CA	9.99	1.60	1.46
2	2R	215	GLN	CB-CG	-9.99	1.22	1.52
1	2U	97	SER	N-CA	9.99	1.60	1.46
2	2V	215	GLN	CB-CG	-9.99	1.22	1.52
1	2Y	97	SER	N-CA	9.99	1.60	1.46
2	2Z	215	GLN	CB-CG	-9.99	1.22	1.52
2	23	215	GLN	CB-CG	-9.99	1.22	1.52
2	3B	215	GLN	CB-CG	-9.99	1.22	1.52
2	3J	215	GLN	CB-CG	-9.99	1.22	1.52
2	3N	215	GLN	CB-CG	-9.99	1.22	1.52
1	3Q	97	SER	N-CA	9.99	1.60	1.46
2	3R	221	ALA	CA-CB	-9.99	1.40	1.53
1	3U	97	SER	N-CA	9.99	1.60	1.46
2	3V	221	ALA	CA-CB	-9.99	1.40	1.53
1	3Y	97	SER	N-CA	9.99	1.60	1.46
2	3Z	221	ALA	CA-CB	-9.99	1.40	1.53
2	33	215	GLN	CB-CG	-9.99	1.22	1.52
2	37	215	GLN	CB-CG	-9.99	1.22	1.52
2	4J	215	GLN	CB-CG	-9.99	1.22	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4R	215	GLN	CB-CG	-9.99	1.22	1.52
1	42	97	SER	N-CA	9.99	1.60	1.46
1	62	97	SER	N-CA	9.99	1.60	1.46
2	43	215	GLN	CB-CG	-9.99	1.22	1.52
1	46	97	SER	N-CA	9.99	1.60	1.46
2	47	215	GLN	CB-CG	-9.99	1.22	1.52
1	5A	97	SER	N-CA	9.99	1.60	1.46
1	5E	97	SER	N-CA	9.99	1.60	1.46
1	5I	97	SER	N-CA	9.99	1.60	1.46
2	5B	215	GLN	CB-CG	-9.99	1.22	1.52
2	5F	221	ALA	CA-CB	-9.99	1.40	1.53
2	5J	221	ALA	CA-CB	-9.99	1.40	1.53
1	5M	97	SER	N-CA	9.99	1.60	1.46
2	5N	221	ALA	CA-CB	-9.99	1.40	1.53
2	5V	215	GLN	CB-CG	-9.99	1.22	1.52
2	5Z	215	GLN	CB-CG	-9.99	1.22	1.52
1	52	97	SER	N-CA	9.99	1.60	1.46
2	6V	215	GLN	CB-CG	-9.99	1.22	1.52
1	66	97	SER	N-CA	9.99	1.60	1.46
2	53	215	GLN	CB-CG	-9.99	1.22	1.52
1	56	97	SER	N-CA	9.99	1.60	1.46
2	57	215	GLN	CB-CG	-9.99	1.22	1.52
1	6A	97	SER	N-CA	9.99	1.60	1.46
2	6B	215	GLN	CB-CG	-9.99	1.22	1.52
2	6F	215	GLN	CB-CG	-9.99	1.22	1.52
2	6N	215	GLN	CB-CG	-9.99	1.22	1.52
2	6Z	215	GLN	CB-CG	-9.99	1.22	1.52
2	63	221	ALA	CA-CB	-9.99	1.40	1.53
2	67	221	ALA	CA-CB	-9.99	1.40	1.53
2	7B	221	ALA	CA-CB	-9.99	1.40	1.53
2	7F	215	GLN	CB-CG	-9.99	1.22	1.52
2	7J	215	GLN	CB-CG	-9.99	1.22	1.52
2	7R	215	GLN	CB-CG	-9.99	1.22	1.52
2	7V	215	GLN	CB-CG	-9.99	1.22	1.52
2	13	215	GLN	CB-CG	-9.99	1.22	1.52
2	17	215	GLN	CB-CG	-9.99	1.22	1.52
2	2B	215	GLN	CB-CG	-9.99	1.22	1.52
2	3R	215	GLN	CB-CG	-9.99	1.22	1.52
2	3V	215	GLN	CB-CG	-9.99	1.22	1.52
2	3Z	215	GLN	CB-CG	-9.99	1.22	1.52
2	5F	215	GLN	CB-CG	-9.99	1.22	1.52
2	5J	215	GLN	CB-CG	-9.99	1.22	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	215	GLN	CB-CG	-9.99	1.22	1.52
2	63	215	GLN	CB-CG	-9.99	1.22	1.52
2	67	215	GLN	CB-CG	-9.99	1.22	1.52
2	7B	215	GLN	CB-CG	-9.99	1.22	1.52
2	1N	35	PHE	N-CA	-9.98	1.33	1.45
2	2J	35	PHE	N-CA	-9.98	1.33	1.45
2	3B	35	PHE	N-CA	-9.98	1.33	1.45
2	3J	35	PHE	N-CA	-9.98	1.33	1.45
2	33	35	PHE	N-CA	-9.98	1.33	1.45
2	4F	35	PHE	N-CA	-9.98	1.33	1.45
2	4Z	35	PHE	N-CA	-9.98	1.33	1.45
2	5V	35	PHE	N-CA	-9.98	1.33	1.45
2	6N	35	PHE	N-CA	-9.98	1.33	1.45
2	6V	35	PHE	N-CA	-9.98	1.33	1.45
2	7F	35	PHE	N-CA	-9.98	1.33	1.45
2	7R	35	PHE	N-CA	-9.98	1.33	1.45
2	1B	215	GLN	CB-CG	-9.98	1.22	1.52
2	1J	215	GLN	CB-CG	-9.98	1.22	1.52
2	2F	215	GLN	CB-CG	-9.98	1.22	1.52
2	27	215	GLN	CB-CG	-9.98	1.22	1.52
2	3F	215	GLN	CB-CG	-9.98	1.22	1.52
2	4B	215	GLN	CB-CG	-9.98	1.22	1.52
2	4N	215	GLN	CB-CG	-9.98	1.22	1.52
2	4V	215	GLN	CB-CG	-9.98	1.22	1.52
2	5R	215	GLN	CB-CG	-9.98	1.22	1.52
2	6J	215	GLN	CB-CG	-9.98	1.22	1.52
2	6R	215	GLN	CB-CG	-9.98	1.22	1.52
2	7N	215	GLN	CB-CG	-9.98	1.22	1.52
2	1B	221	ALA	CA-CB	-9.98	1.40	1.53
2	1J	221	ALA	CA-CB	-9.98	1.40	1.53
2	2F	221	ALA	CA-CB	-9.98	1.40	1.53
2	27	221	ALA	CA-CB	-9.98	1.40	1.53
2	3F	221	ALA	CA-CB	-9.98	1.40	1.53
2	4B	221	ALA	CA-CB	-9.98	1.40	1.53
2	4N	221	ALA	CA-CB	-9.98	1.40	1.53
2	4V	221	ALA	CA-CB	-9.98	1.40	1.53
2	5R	221	ALA	CA-CB	-9.98	1.40	1.53
2	6J	221	ALA	CA-CB	-9.98	1.40	1.53
2	6R	221	ALA	CA-CB	-9.98	1.40	1.53
2	7N	221	ALA	CA-CB	-9.98	1.40	1.53
1	1Q	147	ARG	CB-CG	9.97	1.82	1.52
1	1U	147	ARG	CB-CG	9.97	1.82	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	147	ARG	CB-CG	9.97	1.82	1.52
1	2Q	147	ARG	CB-CG	9.97	1.82	1.52
1	2U	147	ARG	CB-CG	9.97	1.82	1.52
1	2Y	147	ARG	CB-CG	9.97	1.82	1.52
1	42	147	ARG	CB-CG	9.97	1.82	1.52
1	46	147	ARG	CB-CG	9.97	1.82	1.52
1	5A	147	ARG	CB-CG	9.97	1.82	1.52
1	52	147	ARG	CB-CG	9.97	1.82	1.52
1	56	147	ARG	CB-CG	9.97	1.82	1.52
1	6A	147	ARG	CB-CG	9.97	1.82	1.52
1	1Q	92	ASN	N-CA	-9.97	1.33	1.46
1	1U	92	ASN	N-CA	-9.97	1.33	1.46
1	1Y	92	ASN	N-CA	-9.97	1.33	1.46
1	2Q	92	ASN	N-CA	-9.97	1.33	1.46
1	2U	92	ASN	N-CA	-9.97	1.33	1.46
1	2Y	92	ASN	N-CA	-9.97	1.33	1.46
1	42	92	ASN	N-CA	-9.97	1.33	1.46
1	46	92	ASN	N-CA	-9.97	1.33	1.46
1	5A	92	ASN	N-CA	-9.97	1.33	1.46
1	52	92	ASN	N-CA	-9.97	1.33	1.46
1	56	92	ASN	N-CA	-9.97	1.33	1.46
1	6A	92	ASN	N-CA	-9.97	1.33	1.46
2	1N	221	ALA	CA-CB	-9.97	1.40	1.53
2	2J	221	ALA	CA-CB	-9.97	1.40	1.53
2	3B	221	ALA	CA-CB	-9.97	1.40	1.53
2	3J	221	ALA	CA-CB	-9.97	1.40	1.53
2	33	221	ALA	CA-CB	-9.97	1.40	1.53
2	4F	221	ALA	CA-CB	-9.97	1.40	1.53
2	4Z	221	ALA	CA-CB	-9.97	1.40	1.53
2	5V	221	ALA	CA-CB	-9.97	1.40	1.53
2	6N	221	ALA	CA-CB	-9.97	1.40	1.53
2	6V	221	ALA	CA-CB	-9.97	1.40	1.53
2	7F	221	ALA	CA-CB	-9.97	1.40	1.53
2	7R	221	ALA	CA-CB	-9.97	1.40	1.53
1	1E	29	TYR	C-N	9.97	1.47	1.33
1	2M	29	TYR	C-N	9.97	1.47	1.33
1	22	29	TYR	C-N	9.97	1.47	1.33
1	3M	29	TYR	C-N	9.97	1.47	1.33
1	36	29	TYR	C-N	9.97	1.47	1.33
1	4I	29	TYR	C-N	9.97	1.47	1.33
1	4Q	29	TYR	C-N	9.97	1.47	1.33
1	5Y	29	TYR	C-N	9.97	1.47	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	29	TYR	C-N	9.97	1.47	1.33
1	6Y	29	TYR	C-N	9.97	1.47	1.33
1	7I	29	TYR	C-N	9.97	1.47	1.33
1	7U	29	TYR	C-N	9.97	1.47	1.33
1	1E	147	ARG	CB-CG	9.97	1.82	1.52
1	2M	147	ARG	CB-CG	9.97	1.82	1.52
1	22	147	ARG	CB-CG	9.97	1.82	1.52
1	3M	147	ARG	CB-CG	9.97	1.82	1.52
1	36	147	ARG	CB-CG	9.97	1.82	1.52
1	4I	147	ARG	CB-CG	9.97	1.82	1.52
1	4Q	147	ARG	CB-CG	9.97	1.82	1.52
1	5Y	147	ARG	CB-CG	9.97	1.82	1.52
1	6E	147	ARG	CB-CG	9.97	1.82	1.52
1	6Y	147	ARG	CB-CG	9.97	1.82	1.52
1	7I	147	ARG	CB-CG	9.97	1.82	1.52
1	7U	147	ARG	CB-CG	9.97	1.82	1.52
1	1A	147	ARG	CB-CG	9.96	1.82	1.52
1	1I	147	ARG	CB-CG	9.96	1.82	1.52
1	2E	147	ARG	CB-CG	9.96	1.82	1.52
1	26	147	ARG	CB-CG	9.96	1.82	1.52
1	3E	147	ARG	CB-CG	9.96	1.82	1.52
1	4A	147	ARG	CB-CG	9.96	1.82	1.52
1	4M	147	ARG	CB-CG	9.96	1.82	1.52
1	4U	147	ARG	CB-CG	9.96	1.82	1.52
1	5Q	147	ARG	CB-CG	9.96	1.82	1.52
1	6I	147	ARG	CB-CG	9.96	1.82	1.52
1	6Q	147	ARG	CB-CG	9.96	1.82	1.52
1	7M	147	ARG	CB-CG	9.96	1.82	1.52
2	1R	49	THR	C-N	-9.96	1.19	1.33
2	1V	49	THR	C-N	-9.96	1.19	1.33
2	1Z	49	THR	C-N	-9.96	1.19	1.33
2	2R	49	THR	C-N	-9.96	1.19	1.33
2	2V	49	THR	C-N	-9.96	1.19	1.33
2	2Z	49	THR	C-N	-9.96	1.19	1.33
2	43	49	THR	C-N	-9.96	1.19	1.33
2	47	49	THR	C-N	-9.96	1.19	1.33
2	5B	49	THR	C-N	-9.96	1.19	1.33
2	53	49	THR	C-N	-9.96	1.19	1.33
2	57	49	THR	C-N	-9.96	1.19	1.33
2	6B	49	THR	C-N	-9.96	1.19	1.33
1	1M	154	SER	CA-CB	9.95	1.68	1.53
1	2I	154	SER	CA-CB	9.95	1.68	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	154	SER	CA-CB	9.95	1.68	1.53
1	3I	154	SER	CA-CB	9.95	1.68	1.53
1	32	154	SER	CA-CB	9.95	1.68	1.53
1	4E	154	SER	CA-CB	9.95	1.68	1.53
1	4Y	154	SER	CA-CB	9.95	1.68	1.53
1	5U	154	SER	CA-CB	9.95	1.68	1.53
1	6M	154	SER	CA-CB	9.95	1.68	1.53
1	6U	154	SER	CA-CB	9.95	1.68	1.53
1	7E	154	SER	CA-CB	9.95	1.68	1.53
1	7Q	154	SER	CA-CB	9.95	1.68	1.53
1	1Q	29	TYR	C-N	9.95	1.47	1.33
1	1U	29	TYR	C-N	9.95	1.47	1.33
1	1Y	29	TYR	C-N	9.95	1.47	1.33
1	2Q	29	TYR	C-N	9.95	1.47	1.33
1	2U	29	TYR	C-N	9.95	1.47	1.33
1	2Y	29	TYR	C-N	9.95	1.47	1.33
1	42	29	TYR	C-N	9.95	1.47	1.33
1	46	29	TYR	C-N	9.95	1.47	1.33
1	5A	29	TYR	C-N	9.95	1.47	1.33
1	52	29	TYR	C-N	9.95	1.47	1.33
1	56	29	TYR	C-N	9.95	1.47	1.33
1	6A	29	TYR	C-N	9.95	1.47	1.33
1	12	92	ASN	N-CA	-9.95	1.33	1.46
1	12	143	GLU	C-N	9.95	1.45	1.34
1	16	92	ASN	N-CA	-9.95	1.33	1.46
1	16	143	GLU	C-N	9.95	1.45	1.34
1	2A	92	ASN	N-CA	-9.95	1.33	1.46
1	2A	143	GLU	C-N	9.95	1.45	1.34
1	3Q	92	ASN	N-CA	-9.95	1.33	1.46
1	3Q	143	GLU	C-N	9.95	1.45	1.34
1	3U	92	ASN	N-CA	-9.95	1.33	1.46
1	3U	143	GLU	C-N	9.95	1.45	1.34
1	3Y	92	ASN	N-CA	-9.95	1.33	1.46
1	3Y	143	GLU	C-N	9.95	1.45	1.34
1	5E	92	ASN	N-CA	-9.95	1.33	1.46
1	5E	143	GLU	C-N	9.95	1.45	1.34
1	5I	92	ASN	N-CA	-9.95	1.33	1.46
1	5I	143	GLU	C-N	9.95	1.45	1.34
1	5M	92	ASN	N-CA	-9.95	1.33	1.46
1	5M	143	GLU	C-N	9.95	1.45	1.34
1	62	92	ASN	N-CA	-9.95	1.33	1.46
1	62	143	GLU	C-N	9.95	1.45	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	92	ASN	N-CA	-9.95	1.33	1.46
1	66	143	GLU	C-N	9.95	1.45	1.34
1	7A	92	ASN	N-CA	-9.95	1.33	1.46
1	7A	143	GLU	C-N	9.95	1.45	1.34
2	1F	49	THR	C-N	-9.94	1.19	1.33
1	1M	147	ARG	CB-CG	9.94	1.82	1.52
1	2I	147	ARG	CB-CG	9.94	1.82	1.52
2	2N	49	THR	C-N	-9.94	1.19	1.33
2	23	49	THR	C-N	-9.94	1.19	1.33
1	3A	147	ARG	CB-CG	9.94	1.82	1.52
1	3I	147	ARG	CB-CG	9.94	1.82	1.52
2	3N	49	THR	C-N	-9.94	1.19	1.33
1	32	147	ARG	CB-CG	9.94	1.82	1.52
2	37	49	THR	C-N	-9.94	1.19	1.33
1	4E	147	ARG	CB-CG	9.94	1.82	1.52
2	4J	49	THR	C-N	-9.94	1.19	1.33
2	4R	49	THR	C-N	-9.94	1.19	1.33
1	4Y	147	ARG	CB-CG	9.94	1.82	1.52
1	5U	147	ARG	CB-CG	9.94	1.82	1.52
2	5Z	49	THR	C-N	-9.94	1.19	1.33
2	6F	49	THR	C-N	-9.94	1.19	1.33
1	6M	147	ARG	CB-CG	9.94	1.82	1.52
1	6U	147	ARG	CB-CG	9.94	1.82	1.52
2	6Z	49	THR	C-N	-9.94	1.19	1.33
1	7E	147	ARG	CB-CG	9.94	1.82	1.52
2	7J	49	THR	C-N	-9.94	1.19	1.33
1	7Q	147	ARG	CB-CG	9.94	1.82	1.52
2	7V	49	THR	C-N	-9.94	1.19	1.33
1	1E	143	GLU	C-N	9.94	1.45	1.34
2	1R	221	ALA	CA-CB	-9.94	1.40	1.53
2	1V	221	ALA	CA-CB	-9.94	1.40	1.53
2	1Z	221	ALA	CA-CB	-9.94	1.40	1.53
1	2M	143	GLU	C-N	9.94	1.45	1.34
2	2R	221	ALA	CA-CB	-9.94	1.40	1.53
2	2V	221	ALA	CA-CB	-9.94	1.40	1.53
2	2Z	221	ALA	CA-CB	-9.94	1.40	1.53
1	22	143	GLU	C-N	9.94	1.45	1.34
1	3M	143	GLU	C-N	9.94	1.45	1.34
1	36	143	GLU	C-N	9.94	1.45	1.34
1	4I	143	GLU	C-N	9.94	1.45	1.34
1	4Q	143	GLU	C-N	9.94	1.45	1.34
2	43	221	ALA	CA-CB	-9.94	1.40	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	221	ALA	CA-CB	-9.94	1.40	1.53
2	5B	221	ALA	CA-CB	-9.94	1.40	1.53
1	5Y	143	GLU	C-N	9.94	1.45	1.34
2	53	221	ALA	CA-CB	-9.94	1.40	1.53
2	57	221	ALA	CA-CB	-9.94	1.40	1.53
2	6B	221	ALA	CA-CB	-9.94	1.40	1.53
1	6E	143	GLU	C-N	9.94	1.45	1.34
1	6Y	143	GLU	C-N	9.94	1.45	1.34
1	7I	143	GLU	C-N	9.94	1.45	1.34
1	7U	143	GLU	C-N	9.94	1.45	1.34
1	1M	7	GLN	CA-CB	9.94	1.69	1.53
1	2I	7	GLN	CA-CB	9.94	1.69	1.53
1	3A	7	GLN	CA-CB	9.94	1.69	1.53
1	3I	7	GLN	CA-CB	9.94	1.69	1.53
1	32	7	GLN	CA-CB	9.94	1.69	1.53
1	4E	7	GLN	CA-CB	9.94	1.69	1.53
1	4Y	7	GLN	CA-CB	9.94	1.69	1.53
1	5U	7	GLN	CA-CB	9.94	1.69	1.53
1	6M	7	GLN	CA-CB	9.94	1.69	1.53
1	6U	7	GLN	CA-CB	9.94	1.69	1.53
1	7E	7	GLN	CA-CB	9.94	1.69	1.53
1	7Q	7	GLN	CA-CB	9.94	1.69	1.53
1	1A	143	GLU	C-N	9.94	1.45	1.34
1	1I	143	GLU	C-N	9.94	1.45	1.34
1	2E	143	GLU	C-N	9.94	1.45	1.34
1	26	143	GLU	C-N	9.94	1.45	1.34
1	3E	143	GLU	C-N	9.94	1.45	1.34
1	4A	143	GLU	C-N	9.94	1.45	1.34
1	4M	143	GLU	C-N	9.94	1.45	1.34
1	4U	143	GLU	C-N	9.94	1.45	1.34
1	5Q	143	GLU	C-N	9.94	1.45	1.34
1	6I	143	GLU	C-N	9.94	1.45	1.34
1	6Q	143	GLU	C-N	9.94	1.45	1.34
1	7M	143	GLU	C-N	9.94	1.45	1.34
1	12	7	GLN	CA-CB	9.93	1.69	1.53
1	16	7	GLN	CA-CB	9.93	1.69	1.53
1	2A	7	GLN	CA-CB	9.93	1.69	1.53
1	3Q	7	GLN	CA-CB	9.93	1.69	1.53
1	3U	7	GLN	CA-CB	9.93	1.69	1.53
1	3Y	7	GLN	CA-CB	9.93	1.69	1.53
1	5E	7	GLN	CA-CB	9.93	1.69	1.53
1	5I	7	GLN	CA-CB	9.93	1.69	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	7	GLN	CA-CB	9.93	1.69	1.53
1	62	7	GLN	CA-CB	9.93	1.69	1.53
1	66	7	GLN	CA-CB	9.93	1.69	1.53
1	7A	7	GLN	CA-CB	9.93	1.69	1.53
1	1A	7	GLN	CA-CB	9.92	1.69	1.53
1	1I	7	GLN	CA-CB	9.92	1.69	1.53
1	2E	7	GLN	CA-CB	9.92	1.69	1.53
1	26	7	GLN	CA-CB	9.92	1.69	1.53
1	3E	7	GLN	CA-CB	9.92	1.69	1.53
1	4A	7	GLN	CA-CB	9.92	1.69	1.53
1	4M	7	GLN	CA-CB	9.92	1.69	1.53
1	4U	7	GLN	CA-CB	9.92	1.69	1.53
1	5Q	7	GLN	CA-CB	9.92	1.69	1.53
1	6I	7	GLN	CA-CB	9.92	1.69	1.53
1	6Q	7	GLN	CA-CB	9.92	1.69	1.53
1	7M	7	GLN	CA-CB	9.92	1.69	1.53
2	1R	35	PHE	N-CA	-9.92	1.33	1.45
2	1V	35	PHE	N-CA	-9.92	1.33	1.45
2	1Z	35	PHE	N-CA	-9.92	1.33	1.45
2	13	35	PHE	N-CA	-9.92	1.33	1.45
2	13	49	THR	C-N	-9.92	1.19	1.33
2	17	35	PHE	N-CA	-9.92	1.33	1.45
2	17	49	THR	C-N	-9.92	1.19	1.33
2	2B	35	PHE	N-CA	-9.92	1.33	1.45
2	2B	49	THR	C-N	-9.92	1.19	1.33
2	2R	35	PHE	N-CA	-9.92	1.33	1.45
2	2V	35	PHE	N-CA	-9.92	1.33	1.45
2	2Z	35	PHE	N-CA	-9.92	1.33	1.45
2	3R	35	PHE	N-CA	-9.92	1.33	1.45
2	3R	49	THR	C-N	-9.92	1.19	1.33
2	3V	35	PHE	N-CA	-9.92	1.33	1.45
2	3V	49	THR	C-N	-9.92	1.19	1.33
2	3Z	35	PHE	N-CA	-9.92	1.33	1.45
2	3Z	49	THR	C-N	-9.92	1.19	1.33
2	43	35	PHE	N-CA	-9.92	1.33	1.45
2	47	35	PHE	N-CA	-9.92	1.33	1.45
2	5B	35	PHE	N-CA	-9.92	1.33	1.45
2	5F	35	PHE	N-CA	-9.92	1.33	1.45
2	5F	49	THR	C-N	-9.92	1.19	1.33
2	5J	35	PHE	N-CA	-9.92	1.33	1.45
2	5J	49	THR	C-N	-9.92	1.19	1.33
2	5N	35	PHE	N-CA	-9.92	1.33	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	49	THR	C-N	-9.92	1.19	1.33
2	53	35	PHE	N-CA	-9.92	1.33	1.45
2	57	35	PHE	N-CA	-9.92	1.33	1.45
2	6B	35	PHE	N-CA	-9.92	1.33	1.45
2	63	35	PHE	N-CA	-9.92	1.33	1.45
2	63	49	THR	C-N	-9.92	1.19	1.33
2	67	35	PHE	N-CA	-9.92	1.33	1.45
2	67	49	THR	C-N	-9.92	1.19	1.33
2	7B	35	PHE	N-CA	-9.92	1.33	1.45
2	7B	49	THR	C-N	-9.92	1.19	1.33
1	12	154	SER	CA-CB	9.92	1.68	1.53
1	66	154	SER	CA-CB	9.92	1.68	1.53
2	1B	35	PHE	N-CA	-9.92	1.33	1.45
2	1F	35	PHE	CG-CD1	-9.92	1.18	1.38
1	16	154	SER	CA-CB	9.92	1.68	1.53
1	2A	154	SER	CA-CB	9.92	1.68	1.53
1	3U	154	SER	CA-CB	9.92	1.68	1.53
1	3Y	154	SER	CA-CB	9.92	1.68	1.53
1	5E	154	SER	CA-CB	9.92	1.68	1.53
1	5I	154	SER	CA-CB	9.92	1.68	1.53
1	7A	154	SER	CA-CB	9.92	1.68	1.53
2	1J	35	PHE	N-CA	-9.92	1.33	1.45
1	1Q	7	GLN	CA-CB	9.92	1.69	1.53
1	1U	7	GLN	CA-CB	9.92	1.69	1.53
1	1Y	7	GLN	CA-CB	9.92	1.69	1.53
2	2F	35	PHE	N-CA	-9.92	1.33	1.45
2	2N	35	PHE	CG-CD1	-9.92	1.18	1.38
1	2Q	7	GLN	CA-CB	9.92	1.69	1.53
1	2U	7	GLN	CA-CB	9.92	1.69	1.53
1	2Y	7	GLN	CA-CB	9.92	1.69	1.53
2	23	35	PHE	CG-CD1	-9.92	1.18	1.38
1	3Q	154	SER	CA-CB	9.92	1.68	1.53
2	27	35	PHE	N-CA	-9.92	1.33	1.45
2	3F	35	PHE	N-CA	-9.92	1.33	1.45
2	3N	35	PHE	CG-CD1	-9.92	1.18	1.38
2	37	35	PHE	CG-CD1	-9.92	1.18	1.38
1	5M	154	SER	CA-CB	9.92	1.68	1.53
2	4B	35	PHE	N-CA	-9.92	1.33	1.45
2	4J	35	PHE	CG-CD1	-9.92	1.18	1.38
1	62	154	SER	CA-CB	9.92	1.68	1.53
2	4N	35	PHE	N-CA	-9.92	1.33	1.45
2	4R	35	PHE	CG-CD1	-9.92	1.18	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4V	35	PHE	N-CA	-9.92	1.33	1.45
1	42	7	GLN	CA-CB	9.92	1.69	1.53
1	46	7	GLN	CA-CB	9.92	1.69	1.53
1	5A	7	GLN	CA-CB	9.92	1.69	1.53
2	5R	35	PHE	N-CA	-9.92	1.33	1.45
2	5Z	35	PHE	CG-CD1	-9.92	1.18	1.38
1	52	7	GLN	CA-CB	9.92	1.69	1.53
1	56	7	GLN	CA-CB	9.92	1.69	1.53
1	6A	7	GLN	CA-CB	9.92	1.69	1.53
2	6F	35	PHE	CG-CD1	-9.92	1.18	1.38
2	6J	35	PHE	N-CA	-9.92	1.33	1.45
2	6R	35	PHE	N-CA	-9.92	1.33	1.45
2	6Z	35	PHE	CG-CD1	-9.92	1.18	1.38
2	7J	35	PHE	CG-CD1	-9.92	1.18	1.38
2	7N	35	PHE	N-CA	-9.92	1.33	1.45
2	7V	35	PHE	CG-CD1	-9.92	1.18	1.38
2	1N	49	THR	C-N	-9.91	1.19	1.33
1	1Q	154	SER	CA-CB	9.91	1.68	1.53
1	1U	154	SER	CA-CB	9.91	1.68	1.53
1	1Y	154	SER	CA-CB	9.91	1.68	1.53
2	2J	49	THR	C-N	-9.91	1.19	1.33
1	2Q	154	SER	CA-CB	9.91	1.68	1.53
1	2U	154	SER	CA-CB	9.91	1.68	1.53
1	2Y	154	SER	CA-CB	9.91	1.68	1.53
2	3B	49	THR	C-N	-9.91	1.19	1.33
2	3J	49	THR	C-N	-9.91	1.19	1.33
2	33	49	THR	C-N	-9.91	1.19	1.33
2	4F	49	THR	C-N	-9.91	1.19	1.33
2	4Z	49	THR	C-N	-9.91	1.19	1.33
1	42	154	SER	CA-CB	9.91	1.68	1.53
1	46	154	SER	CA-CB	9.91	1.68	1.53
1	5A	154	SER	CA-CB	9.91	1.68	1.53
2	5V	49	THR	C-N	-9.91	1.19	1.33
1	52	154	SER	CA-CB	9.91	1.68	1.53
1	56	154	SER	CA-CB	9.91	1.68	1.53
1	6A	154	SER	CA-CB	9.91	1.68	1.53
2	6N	49	THR	C-N	-9.91	1.19	1.33
2	6V	49	THR	C-N	-9.91	1.19	1.33
2	7F	49	THR	C-N	-9.91	1.19	1.33
2	7R	49	THR	C-N	-9.91	1.19	1.33
2	1F	35	PHE	N-CA	-9.91	1.33	1.45
1	12	27	LYS	N-CA	-9.91	1.33	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	16	27	LYS	N-CA	-9.91	1.33	1.46
1	2A	27	LYS	N-CA	-9.91	1.33	1.46
2	2N	35	PHE	N-CA	-9.91	1.33	1.45
2	23	35	PHE	N-CA	-9.91	1.33	1.45
2	3N	35	PHE	N-CA	-9.91	1.33	1.45
1	3Q	27	LYS	N-CA	-9.91	1.33	1.46
1	3U	27	LYS	N-CA	-9.91	1.33	1.46
1	3Y	27	LYS	N-CA	-9.91	1.33	1.46
2	37	35	PHE	N-CA	-9.91	1.33	1.45
2	4J	35	PHE	N-CA	-9.91	1.33	1.45
2	4R	35	PHE	N-CA	-9.91	1.33	1.45
1	5E	27	LYS	N-CA	-9.91	1.33	1.46
1	5I	27	LYS	N-CA	-9.91	1.33	1.46
1	5M	27	LYS	N-CA	-9.91	1.33	1.46
2	5Z	35	PHE	N-CA	-9.91	1.33	1.45
2	6F	35	PHE	N-CA	-9.91	1.33	1.45
2	6Z	35	PHE	N-CA	-9.91	1.33	1.45
1	62	27	LYS	N-CA	-9.91	1.33	1.46
1	66	27	LYS	N-CA	-9.91	1.33	1.46
1	7A	27	LYS	N-CA	-9.91	1.33	1.46
2	7J	35	PHE	N-CA	-9.91	1.33	1.45
2	7V	35	PHE	N-CA	-9.91	1.33	1.45
2	1B	49	THR	C-N	-9.91	1.19	1.33
2	1J	49	THR	C-N	-9.91	1.19	1.33
2	2F	49	THR	C-N	-9.91	1.19	1.33
2	27	49	THR	C-N	-9.91	1.19	1.33
2	3F	49	THR	C-N	-9.91	1.19	1.33
2	4B	49	THR	C-N	-9.91	1.19	1.33
2	4N	49	THR	C-N	-9.91	1.19	1.33
2	4V	49	THR	C-N	-9.91	1.19	1.33
2	5R	49	THR	C-N	-9.91	1.19	1.33
2	6J	49	THR	C-N	-9.91	1.19	1.33
2	6R	49	THR	C-N	-9.91	1.19	1.33
2	7N	49	THR	C-N	-9.91	1.19	1.33
1	1A	92	ASN	N-CA	-9.91	1.33	1.46
1	1I	92	ASN	N-CA	-9.91	1.33	1.46
1	2E	92	ASN	N-CA	-9.91	1.33	1.46
1	26	92	ASN	N-CA	-9.91	1.33	1.46
1	3E	92	ASN	N-CA	-9.91	1.33	1.46
1	4A	92	ASN	N-CA	-9.91	1.33	1.46
1	4M	92	ASN	N-CA	-9.91	1.33	1.46
1	4U	92	ASN	N-CA	-9.91	1.33	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	92	ASN	N-CA	-9.91	1.33	1.46
1	6I	92	ASN	N-CA	-9.91	1.33	1.46
1	6Q	92	ASN	N-CA	-9.91	1.33	1.46
1	7M	92	ASN	N-CA	-9.91	1.33	1.46
2	1B	35	PHE	CG-CD1	-9.90	1.18	1.38
2	1J	35	PHE	CG-CD1	-9.90	1.18	1.38
2	13	35	PHE	CG-CD1	-9.90	1.18	1.38
2	17	35	PHE	CG-CD1	-9.90	1.18	1.38
2	2B	35	PHE	CG-CD1	-9.90	1.18	1.38
2	2F	35	PHE	CG-CD1	-9.90	1.18	1.38
2	27	35	PHE	CG-CD1	-9.90	1.18	1.38
2	3F	35	PHE	CG-CD1	-9.90	1.18	1.38
2	3R	35	PHE	CG-CD1	-9.90	1.18	1.38
2	3V	35	PHE	CG-CD1	-9.90	1.18	1.38
2	3Z	35	PHE	CG-CD1	-9.90	1.18	1.38
2	4B	35	PHE	CG-CD1	-9.90	1.18	1.38
2	4N	35	PHE	CG-CD1	-9.90	1.18	1.38
2	4V	35	PHE	CG-CD1	-9.90	1.18	1.38
2	5F	35	PHE	CG-CD1	-9.90	1.18	1.38
2	5J	35	PHE	CG-CD1	-9.90	1.18	1.38
2	5N	35	PHE	CG-CD1	-9.90	1.18	1.38
2	5R	35	PHE	CG-CD1	-9.90	1.18	1.38
2	6J	35	PHE	CG-CD1	-9.90	1.18	1.38
2	6R	35	PHE	CG-CD1	-9.90	1.18	1.38
2	63	35	PHE	CG-CD1	-9.90	1.18	1.38
2	67	35	PHE	CG-CD1	-9.90	1.18	1.38
2	7B	35	PHE	CG-CD1	-9.90	1.18	1.38
2	7N	35	PHE	CG-CD1	-9.90	1.18	1.38
1	1E	7	GLN	CA-CB	9.90	1.69	1.53
1	2M	7	GLN	CA-CB	9.90	1.69	1.53
1	22	7	GLN	CA-CB	9.90	1.69	1.53
1	3M	7	GLN	CA-CB	9.90	1.69	1.53
1	36	7	GLN	CA-CB	9.90	1.69	1.53
1	4I	7	GLN	CA-CB	9.90	1.69	1.53
1	4Q	7	GLN	CA-CB	9.90	1.69	1.53
1	5Y	7	GLN	CA-CB	9.90	1.69	1.53
1	6E	7	GLN	CA-CB	9.90	1.69	1.53
1	6Y	7	GLN	CA-CB	9.90	1.69	1.53
1	7I	7	GLN	CA-CB	9.90	1.69	1.53
1	7U	7	GLN	CA-CB	9.90	1.69	1.53
1	1E	92	ASN	N-CA	-9.90	1.33	1.46
1	2M	92	ASN	N-CA	-9.90	1.33	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	92	ASN	N-CA	-9.90	1.33	1.46
1	3M	92	ASN	N-CA	-9.90	1.33	1.46
1	36	92	ASN	N-CA	-9.90	1.33	1.46
1	4I	92	ASN	N-CA	-9.90	1.33	1.46
1	4Q	92	ASN	N-CA	-9.90	1.33	1.46
1	5Y	92	ASN	N-CA	-9.90	1.33	1.46
1	6E	92	ASN	N-CA	-9.90	1.33	1.46
1	6Y	92	ASN	N-CA	-9.90	1.33	1.46
1	7I	92	ASN	N-CA	-9.90	1.33	1.46
1	7U	92	ASN	N-CA	-9.90	1.33	1.46
1	1M	143	GLU	C-N	9.89	1.45	1.34
1	2I	143	GLU	C-N	9.89	1.45	1.34
1	3A	143	GLU	C-N	9.89	1.45	1.34
1	3I	143	GLU	C-N	9.89	1.45	1.34
1	32	143	GLU	C-N	9.89	1.45	1.34
1	4E	143	GLU	C-N	9.89	1.45	1.34
1	4Y	143	GLU	C-N	9.89	1.45	1.34
1	5U	143	GLU	C-N	9.89	1.45	1.34
1	6M	143	GLU	C-N	9.89	1.45	1.34
1	6U	143	GLU	C-N	9.89	1.45	1.34
1	7E	143	GLU	C-N	9.89	1.45	1.34
1	7Q	143	GLU	C-N	9.89	1.45	1.34
2	1N	35	PHE	CG-CD1	-9.89	1.18	1.38
2	2J	35	PHE	CG-CD1	-9.89	1.18	1.38
2	3B	35	PHE	CG-CD1	-9.89	1.18	1.38
2	3J	35	PHE	CG-CD1	-9.89	1.18	1.38
2	33	35	PHE	CG-CD1	-9.89	1.18	1.38
2	4F	35	PHE	CG-CD1	-9.89	1.18	1.38
2	4Z	35	PHE	CG-CD1	-9.89	1.18	1.38
2	5V	35	PHE	CG-CD1	-9.89	1.18	1.38
2	6N	35	PHE	CG-CD1	-9.89	1.18	1.38
2	6V	35	PHE	CG-CD1	-9.89	1.18	1.38
2	7F	35	PHE	CG-CD1	-9.89	1.18	1.38
2	7R	35	PHE	CG-CD1	-9.89	1.18	1.38
1	1A	35	THR	CA-CB	-9.89	1.36	1.53
1	1I	35	THR	CA-CB	-9.89	1.36	1.53
1	2E	35	THR	CA-CB	-9.89	1.36	1.53
1	26	35	THR	CA-CB	-9.89	1.36	1.53
1	3E	35	THR	CA-CB	-9.89	1.36	1.53
1	4A	35	THR	CA-CB	-9.89	1.36	1.53
1	4M	35	THR	CA-CB	-9.89	1.36	1.53
1	4U	35	THR	CA-CB	-9.89	1.36	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	35	THR	CA-CB	-9.89	1.36	1.53
1	6I	35	THR	CA-CB	-9.89	1.36	1.53
1	6Q	35	THR	CA-CB	-9.89	1.36	1.53
1	7M	35	THR	CA-CB	-9.89	1.36	1.53
1	1M	92	ASN	N-CA	-9.88	1.33	1.46
1	12	35	THR	CA-CB	-9.88	1.36	1.53
1	16	35	THR	CA-CB	-9.88	1.36	1.53
1	2A	35	THR	CA-CB	-9.88	1.36	1.53
1	2I	92	ASN	N-CA	-9.88	1.33	1.46
1	3A	92	ASN	N-CA	-9.88	1.33	1.46
1	3I	92	ASN	N-CA	-9.88	1.33	1.46
1	3Q	35	THR	CA-CB	-9.88	1.36	1.53
1	3U	35	THR	CA-CB	-9.88	1.36	1.53
1	3Y	35	THR	CA-CB	-9.88	1.36	1.53
1	32	92	ASN	N-CA	-9.88	1.33	1.46
1	4E	92	ASN	N-CA	-9.88	1.33	1.46
1	4Y	92	ASN	N-CA	-9.88	1.33	1.46
1	5E	35	THR	CA-CB	-9.88	1.36	1.53
1	5I	35	THR	CA-CB	-9.88	1.36	1.53
1	5M	35	THR	CA-CB	-9.88	1.36	1.53
1	5U	92	ASN	N-CA	-9.88	1.33	1.46
1	6M	92	ASN	N-CA	-9.88	1.33	1.46
1	6U	92	ASN	N-CA	-9.88	1.33	1.46
1	62	35	THR	CA-CB	-9.88	1.36	1.53
1	66	35	THR	CA-CB	-9.88	1.36	1.53
1	7A	35	THR	CA-CB	-9.88	1.36	1.53
1	7E	92	ASN	N-CA	-9.88	1.33	1.46
1	7Q	92	ASN	N-CA	-9.88	1.33	1.46
1	1E	35	THR	CA-CB	-9.88	1.36	1.53
1	1Q	35	THR	CA-C	9.88	1.65	1.52
1	1U	35	THR	CA-C	9.88	1.65	1.52
1	1Y	35	THR	CA-C	9.88	1.65	1.52
1	2M	35	THR	CA-CB	-9.88	1.36	1.53
1	2Q	35	THR	CA-C	9.88	1.65	1.52
1	2U	35	THR	CA-C	9.88	1.65	1.52
1	2Y	35	THR	CA-C	9.88	1.65	1.52
1	22	35	THR	CA-CB	-9.88	1.36	1.53
1	3M	35	THR	CA-CB	-9.88	1.36	1.53
1	36	35	THR	CA-CB	-9.88	1.36	1.53
1	4I	35	THR	CA-CB	-9.88	1.36	1.53
1	4Q	35	THR	CA-CB	-9.88	1.36	1.53
1	42	35	THR	CA-C	9.88	1.65	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	46	35	THR	CA-C	9.88	1.65	1.52
1	5A	35	THR	CA-C	9.88	1.65	1.52
1	5Y	35	THR	CA-CB	-9.88	1.36	1.53
1	52	35	THR	CA-C	9.88	1.65	1.52
1	56	35	THR	CA-C	9.88	1.65	1.52
1	6A	35	THR	CA-C	9.88	1.65	1.52
1	6E	35	THR	CA-CB	-9.88	1.36	1.53
1	6Y	35	THR	CA-CB	-9.88	1.36	1.53
1	7I	35	THR	CA-CB	-9.88	1.36	1.53
1	7U	35	THR	CA-CB	-9.88	1.36	1.53
1	1A	154	SER	CA-CB	9.88	1.68	1.53
1	1I	154	SER	CA-CB	9.88	1.68	1.53
1	1Q	143	GLU	C-N	9.88	1.45	1.34
1	1U	143	GLU	C-N	9.88	1.45	1.34
1	1Y	143	GLU	C-N	9.88	1.45	1.34
1	2Q	143	GLU	C-N	9.88	1.45	1.34
1	2U	143	GLU	C-N	9.88	1.45	1.34
1	52	143	GLU	C-N	9.88	1.45	1.34
1	56	143	GLU	C-N	9.88	1.45	1.34
1	6A	143	GLU	C-N	9.88	1.45	1.34
1	12	35	THR	CA-C	9.87	1.65	1.52
1	16	35	THR	CA-C	9.87	1.65	1.52
1	2A	35	THR	CA-C	9.87	1.65	1.52
1	2E	154	SER	CA-CB	9.88	1.68	1.53
1	2Y	143	GLU	C-N	9.88	1.45	1.34
1	26	154	SER	CA-CB	9.88	1.68	1.53
1	3E	154	SER	CA-CB	9.88	1.68	1.53
1	42	143	GLU	C-N	9.88	1.45	1.34
1	46	143	GLU	C-N	9.88	1.45	1.34
1	5A	143	GLU	C-N	9.88	1.45	1.34
1	3Q	35	THR	CA-C	9.87	1.65	1.52
1	3U	35	THR	CA-C	9.87	1.65	1.52
1	3Y	35	THR	CA-C	9.87	1.65	1.52
1	4A	154	SER	CA-CB	9.88	1.68	1.53
1	4M	154	SER	CA-CB	9.88	1.68	1.53
1	4U	154	SER	CA-CB	9.88	1.68	1.53
1	5E	35	THR	CA-C	9.87	1.65	1.52
1	5I	35	THR	CA-C	9.87	1.65	1.52
1	5M	35	THR	CA-C	9.87	1.65	1.52
1	5Q	154	SER	CA-CB	9.88	1.68	1.53
1	6I	154	SER	CA-CB	9.88	1.68	1.53
1	6Q	154	SER	CA-CB	9.88	1.68	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	62	35	THR	CA-C	9.87	1.65	1.52
1	66	35	THR	CA-C	9.87	1.65	1.52
1	7A	35	THR	CA-C	9.87	1.65	1.52
1	7M	154	SER	CA-CB	9.88	1.68	1.53
2	1R	35	PHE	CG-CD1	-9.87	1.18	1.38
2	1V	35	PHE	CG-CD1	-9.87	1.18	1.38
2	1Z	35	PHE	CG-CD1	-9.87	1.18	1.38
2	2R	35	PHE	CG-CD1	-9.87	1.18	1.38
2	2V	35	PHE	CG-CD1	-9.87	1.18	1.38
2	2Z	35	PHE	CG-CD1	-9.87	1.18	1.38
2	43	35	PHE	CG-CD1	-9.87	1.18	1.38
2	47	35	PHE	CG-CD1	-9.87	1.18	1.38
2	5B	35	PHE	CG-CD1	-9.87	1.18	1.38
2	53	35	PHE	CG-CD1	-9.87	1.18	1.38
2	57	35	PHE	CG-CD1	-9.87	1.18	1.38
2	6B	35	PHE	CG-CD1	-9.87	1.18	1.38
1	1A	35	THR	CA-C	9.86	1.65	1.52
1	1I	35	THR	CA-C	9.86	1.65	1.52
1	1M	35	THR	CA-CB	-9.86	1.36	1.53
1	2E	35	THR	CA-C	9.86	1.65	1.52
1	2I	35	THR	CA-CB	-9.86	1.36	1.53
1	26	35	THR	CA-C	9.86	1.65	1.52
1	3A	35	THR	CA-CB	-9.86	1.36	1.53
1	3E	35	THR	CA-C	9.86	1.65	1.52
1	3I	35	THR	CA-CB	-9.86	1.36	1.53
1	32	35	THR	CA-CB	-9.86	1.36	1.53
1	4A	35	THR	CA-C	9.86	1.65	1.52
1	4E	35	THR	CA-CB	-9.86	1.36	1.53
1	4M	35	THR	CA-C	9.86	1.65	1.52
1	4U	35	THR	CA-C	9.86	1.65	1.52
1	4Y	35	THR	CA-CB	-9.86	1.36	1.53
1	5Q	35	THR	CA-C	9.86	1.65	1.52
1	5U	35	THR	CA-CB	-9.86	1.36	1.53
1	6I	35	THR	CA-C	9.86	1.65	1.52
1	6M	35	THR	CA-CB	-9.86	1.36	1.53
1	6Q	35	THR	CA-C	9.86	1.65	1.52
1	6U	35	THR	CA-CB	-9.86	1.36	1.53
1	7E	35	THR	CA-CB	-9.86	1.36	1.53
1	7M	35	THR	CA-C	9.86	1.65	1.52
1	7Q	35	THR	CA-CB	-9.86	1.36	1.53
1	1E	35	THR	CA-C	9.85	1.65	1.52
2	1N	7	ASN	C-O	9.85	1.36	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2J	7	ASN	C-O	9.85	1.36	1.24
2	33	7	ASN	C-O	9.85	1.36	1.24
2	6V	7	ASN	C-O	9.85	1.36	1.24
1	1Q	27	LYS	N-CA	-9.85	1.33	1.46
1	1Q	35	THR	CA-CB	-9.85	1.36	1.53
1	1U	27	LYS	N-CA	-9.85	1.33	1.46
1	1U	35	THR	CA-CB	-9.85	1.36	1.53
2	4F	7	ASN	C-O	9.85	1.36	1.24
1	1Y	27	LYS	N-CA	-9.85	1.33	1.46
1	1Y	35	THR	CA-CB	-9.85	1.36	1.53
1	2M	35	THR	CA-C	9.85	1.65	1.52
2	3B	7	ASN	C-O	9.85	1.36	1.24
2	4Z	7	ASN	C-O	9.85	1.36	1.24
2	5V	7	ASN	C-O	9.85	1.36	1.24
1	2Q	27	LYS	N-CA	-9.85	1.33	1.46
1	2Q	35	THR	CA-CB	-9.85	1.36	1.53
1	2U	27	LYS	N-CA	-9.85	1.33	1.46
1	2U	35	THR	CA-CB	-9.85	1.36	1.53
1	2Y	27	LYS	N-CA	-9.85	1.33	1.46
1	2Y	35	THR	CA-CB	-9.85	1.36	1.53
1	22	35	THR	CA-C	9.85	1.65	1.52
2	3J	7	ASN	C-O	9.85	1.36	1.24
1	3M	35	THR	CA-C	9.85	1.65	1.52
1	36	35	THR	CA-C	9.85	1.65	1.52
1	4I	35	THR	CA-C	9.85	1.65	1.52
1	4Q	35	THR	CA-C	9.85	1.65	1.52
1	42	27	LYS	N-CA	-9.85	1.33	1.46
1	42	35	THR	CA-CB	-9.85	1.36	1.53
1	46	27	LYS	N-CA	-9.85	1.33	1.46
1	46	35	THR	CA-CB	-9.85	1.36	1.53
1	5A	27	LYS	N-CA	-9.85	1.33	1.46
1	5A	35	THR	CA-CB	-9.85	1.36	1.53
1	5Y	35	THR	CA-C	9.85	1.65	1.52
2	6N	7	ASN	C-O	9.85	1.36	1.24
1	52	27	LYS	N-CA	-9.85	1.33	1.46
1	52	35	THR	CA-CB	-9.85	1.36	1.53
2	7F	7	ASN	C-O	9.85	1.36	1.24
1	56	27	LYS	N-CA	-9.85	1.33	1.46
1	56	35	THR	CA-CB	-9.85	1.36	1.53
1	6A	27	LYS	N-CA	-9.85	1.33	1.46
1	6A	35	THR	CA-CB	-9.85	1.36	1.53
1	6E	35	THR	CA-C	9.85	1.65	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6Y	35	THR	CA-C	9.85	1.65	1.52
1	7I	35	THR	CA-C	9.85	1.65	1.52
2	7R	7	ASN	C-O	9.85	1.36	1.24
1	7U	35	THR	CA-C	9.85	1.65	1.52
2	1B	7	ASN	C-O	9.85	1.36	1.24
2	1J	7	ASN	C-O	9.85	1.36	1.24
2	2F	7	ASN	C-O	9.85	1.36	1.24
2	27	7	ASN	C-O	9.85	1.36	1.24
2	3F	7	ASN	C-O	9.85	1.36	1.24
2	4B	7	ASN	C-O	9.85	1.36	1.24
2	4N	7	ASN	C-O	9.85	1.36	1.24
2	4V	7	ASN	C-O	9.85	1.36	1.24
2	5R	7	ASN	C-O	9.85	1.36	1.24
2	6J	7	ASN	C-O	9.85	1.36	1.24
2	6R	7	ASN	C-O	9.85	1.36	1.24
2	7N	7	ASN	C-O	9.85	1.36	1.24
1	1A	27	LYS	N-CA	-9.84	1.33	1.46
1	1I	27	LYS	N-CA	-9.84	1.33	1.46
1	1M	35	THR	CA-C	9.84	1.65	1.52
1	2E	27	LYS	N-CA	-9.84	1.33	1.46
1	2I	35	THR	CA-C	9.84	1.65	1.52
1	26	27	LYS	N-CA	-9.84	1.33	1.46
1	3A	35	THR	CA-C	9.84	1.65	1.52
1	3E	27	LYS	N-CA	-9.84	1.33	1.46
1	3I	35	THR	CA-C	9.84	1.65	1.52
1	32	35	THR	CA-C	9.84	1.65	1.52
1	4A	27	LYS	N-CA	-9.84	1.33	1.46
1	4E	35	THR	CA-C	9.84	1.65	1.52
1	4M	27	LYS	N-CA	-9.84	1.33	1.46
1	4U	27	LYS	N-CA	-9.84	1.33	1.46
1	4Y	35	THR	CA-C	9.84	1.65	1.52
1	5Q	27	LYS	N-CA	-9.84	1.33	1.46
1	5U	35	THR	CA-C	9.84	1.65	1.52
1	6I	27	LYS	N-CA	-9.84	1.33	1.46
1	6M	35	THR	CA-C	9.84	1.65	1.52
1	6Q	27	LYS	N-CA	-9.84	1.33	1.46
1	6U	35	THR	CA-C	9.84	1.65	1.52
1	7E	35	THR	CA-C	9.84	1.65	1.52
1	7M	27	LYS	N-CA	-9.84	1.33	1.46
1	7Q	35	THR	CA-C	9.84	1.65	1.52
1	1E	154	SER	CA-CB	9.84	1.68	1.53
1	2M	154	SER	CA-CB	9.84	1.68	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	154	SER	CA-CB	9.84	1.68	1.53
1	3M	154	SER	CA-CB	9.84	1.68	1.53
1	36	154	SER	CA-CB	9.84	1.68	1.53
1	4I	154	SER	CA-CB	9.84	1.68	1.53
1	4Q	154	SER	CA-CB	9.84	1.68	1.53
1	5Y	154	SER	CA-CB	9.84	1.68	1.53
1	6E	154	SER	CA-CB	9.84	1.68	1.53
1	6Y	154	SER	CA-CB	9.84	1.68	1.53
1	7I	154	SER	CA-CB	9.84	1.68	1.53
1	7U	154	SER	CA-CB	9.84	1.68	1.53
2	1R	7	ASN	C-O	9.83	1.36	1.24
2	1V	7	ASN	C-O	9.83	1.36	1.24
2	1Z	7	ASN	C-O	9.83	1.36	1.24
2	2R	7	ASN	C-O	9.83	1.36	1.24
2	2V	7	ASN	C-O	9.83	1.36	1.24
2	2Z	7	ASN	C-O	9.83	1.36	1.24
2	43	7	ASN	C-O	9.83	1.36	1.24
2	47	7	ASN	C-O	9.83	1.36	1.24
2	5B	7	ASN	C-O	9.83	1.36	1.24
2	53	7	ASN	C-O	9.83	1.36	1.24
2	57	7	ASN	C-O	9.83	1.36	1.24
2	6B	7	ASN	C-O	9.83	1.36	1.24
2	1F	7	ASN	C-O	9.83	1.36	1.24
2	2N	7	ASN	C-O	9.83	1.36	1.24
2	23	7	ASN	C-O	9.83	1.36	1.24
2	3N	7	ASN	C-O	9.83	1.36	1.24
2	37	7	ASN	C-O	9.83	1.36	1.24
2	4J	7	ASN	C-O	9.83	1.36	1.24
2	4R	7	ASN	C-O	9.83	1.36	1.24
2	5Z	7	ASN	C-O	9.83	1.36	1.24
2	6F	7	ASN	C-O	9.83	1.36	1.24
2	6Z	7	ASN	C-O	9.83	1.36	1.24
2	7J	7	ASN	C-O	9.83	1.36	1.24
2	7V	7	ASN	C-O	9.83	1.36	1.24
2	13	7	ASN	C-O	9.82	1.36	1.24
2	17	7	ASN	C-O	9.82	1.36	1.24
2	2B	7	ASN	C-O	9.82	1.36	1.24
2	3R	7	ASN	C-O	9.82	1.36	1.24
2	3V	7	ASN	C-O	9.82	1.36	1.24
2	3Z	7	ASN	C-O	9.82	1.36	1.24
2	5F	7	ASN	C-O	9.82	1.36	1.24
2	5J	7	ASN	C-O	9.82	1.36	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	7	ASN	C-O	9.82	1.36	1.24
2	63	7	ASN	C-O	9.82	1.36	1.24
2	67	7	ASN	C-O	9.82	1.36	1.24
2	7B	7	ASN	C-O	9.82	1.36	1.24
1	1M	27	LYS	N-CA	-9.82	1.33	1.46
1	2I	27	LYS	N-CA	-9.82	1.33	1.46
1	3A	27	LYS	N-CA	-9.82	1.33	1.46
1	3I	27	LYS	N-CA	-9.82	1.33	1.46
1	32	27	LYS	N-CA	-9.82	1.33	1.46
1	4E	27	LYS	N-CA	-9.82	1.33	1.46
1	4Y	27	LYS	N-CA	-9.82	1.33	1.46
1	5U	27	LYS	N-CA	-9.82	1.33	1.46
1	6M	27	LYS	N-CA	-9.82	1.33	1.46
1	6U	27	LYS	N-CA	-9.82	1.33	1.46
1	7E	27	LYS	N-CA	-9.82	1.33	1.46
1	7Q	27	LYS	N-CA	-9.82	1.33	1.46
1	1Q	168	GLN	CG-CD	9.81	1.76	1.52
1	1U	168	GLN	CG-CD	9.81	1.76	1.52
1	1Y	168	GLN	CG-CD	9.81	1.76	1.52
1	2Q	168	GLN	CG-CD	9.81	1.76	1.52
1	2U	168	GLN	CG-CD	9.81	1.76	1.52
1	2Y	168	GLN	CG-CD	9.81	1.76	1.52
1	42	168	GLN	CG-CD	9.81	1.76	1.52
1	46	168	GLN	CG-CD	9.81	1.76	1.52
1	5A	168	GLN	CG-CD	9.81	1.76	1.52
1	52	168	GLN	CG-CD	9.81	1.76	1.52
1	56	168	GLN	CG-CD	9.81	1.76	1.52
1	6A	168	GLN	CG-CD	9.81	1.76	1.52
1	1E	168	GLN	CG-CD	9.80	1.76	1.52
1	2M	168	GLN	CG-CD	9.80	1.76	1.52
1	22	168	GLN	CG-CD	9.80	1.76	1.52
1	3M	168	GLN	CG-CD	9.80	1.76	1.52
1	36	168	GLN	CG-CD	9.80	1.76	1.52
1	4I	168	GLN	CG-CD	9.80	1.76	1.52
1	4Q	168	GLN	CG-CD	9.80	1.76	1.52
1	5Y	168	GLN	CG-CD	9.80	1.76	1.52
1	6E	168	GLN	CG-CD	9.80	1.76	1.52
1	6Y	168	GLN	CG-CD	9.80	1.76	1.52
1	7I	168	GLN	CG-CD	9.80	1.76	1.52
1	7U	168	GLN	CG-CD	9.80	1.76	1.52
2	1N	77	THR	CA-C	9.79	1.66	1.53
1	12	168	GLN	CG-CD	9.80	1.76	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	13	33	PRO	C-O	-9.80	1.11	1.24
1	16	168	GLN	CG-CD	9.80	1.76	1.52
2	17	33	PRO	C-O	-9.80	1.11	1.24
1	2A	168	GLN	CG-CD	9.80	1.76	1.52
2	2B	33	PRO	C-O	-9.80	1.11	1.24
2	2J	77	THR	CA-C	9.79	1.66	1.53
2	3B	77	THR	CA-C	9.79	1.66	1.53
2	3J	77	THR	CA-C	9.79	1.66	1.53
1	3Q	168	GLN	CG-CD	9.80	1.76	1.52
2	3R	33	PRO	C-O	-9.80	1.11	1.24
1	3U	168	GLN	CG-CD	9.80	1.76	1.52
2	3V	33	PRO	C-O	-9.80	1.11	1.24
1	3Y	168	GLN	CG-CD	9.80	1.76	1.52
2	3Z	33	PRO	C-O	-9.80	1.11	1.24
2	33	77	THR	CA-C	9.79	1.66	1.53
2	4F	77	THR	CA-C	9.79	1.66	1.53
2	4Z	77	THR	CA-C	9.79	1.66	1.53
1	5E	168	GLN	CG-CD	9.80	1.76	1.52
2	5F	33	PRO	C-O	-9.80	1.11	1.24
1	5I	168	GLN	CG-CD	9.80	1.76	1.52
2	5J	33	PRO	C-O	-9.80	1.11	1.24
1	5M	168	GLN	CG-CD	9.80	1.76	1.52
2	5N	33	PRO	C-O	-9.80	1.11	1.24
2	5V	77	THR	CA-C	9.79	1.66	1.53
2	6N	77	THR	CA-C	9.79	1.66	1.53
2	6V	77	THR	CA-C	9.79	1.66	1.53
1	62	168	GLN	CG-CD	9.80	1.76	1.52
2	63	33	PRO	C-O	-9.80	1.11	1.24
1	66	168	GLN	CG-CD	9.80	1.76	1.52
2	67	33	PRO	C-O	-9.80	1.11	1.24
1	7A	168	GLN	CG-CD	9.80	1.76	1.52
2	7B	33	PRO	C-O	-9.80	1.11	1.24
2	7F	77	THR	CA-C	9.79	1.66	1.53
2	7R	77	THR	CA-C	9.79	1.66	1.53
1	1A	168	GLN	CG-CD	9.79	1.76	1.52
1	1I	168	GLN	CG-CD	9.79	1.76	1.52
1	2E	168	GLN	CG-CD	9.79	1.76	1.52
1	26	168	GLN	CG-CD	9.79	1.76	1.52
1	3E	168	GLN	CG-CD	9.79	1.76	1.52
1	4A	168	GLN	CG-CD	9.79	1.76	1.52
1	4M	168	GLN	CG-CD	9.79	1.76	1.52
1	4U	168	GLN	CG-CD	9.79	1.76	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	168	GLN	CG-CD	9.79	1.76	1.52
1	6I	168	GLN	CG-CD	9.79	1.76	1.52
1	6Q	168	GLN	CG-CD	9.79	1.76	1.52
1	7M	168	GLN	CG-CD	9.79	1.76	1.52
2	1B	33	PRO	C-O	-9.79	1.11	1.24
2	1J	33	PRO	C-O	-9.79	1.11	1.24
2	2F	33	PRO	C-O	-9.79	1.11	1.24
2	27	33	PRO	C-O	-9.79	1.11	1.24
2	3F	33	PRO	C-O	-9.79	1.11	1.24
2	4B	33	PRO	C-O	-9.79	1.11	1.24
2	4N	33	PRO	C-O	-9.79	1.11	1.24
2	4V	33	PRO	C-O	-9.79	1.11	1.24
2	5R	33	PRO	C-O	-9.79	1.11	1.24
2	6J	33	PRO	C-O	-9.79	1.11	1.24
2	6R	33	PRO	C-O	-9.79	1.11	1.24
2	7N	33	PRO	C-O	-9.79	1.11	1.24
2	1B	77	THR	CA-C	9.78	1.66	1.53
2	1J	77	THR	CA-C	9.78	1.66	1.53
2	2F	77	THR	CA-C	9.78	1.66	1.53
2	27	77	THR	CA-C	9.78	1.66	1.53
2	3F	77	THR	CA-C	9.78	1.66	1.53
2	4B	77	THR	CA-C	9.78	1.66	1.53
2	4N	77	THR	CA-C	9.78	1.66	1.53
2	4V	77	THR	CA-C	9.78	1.66	1.53
2	5R	77	THR	CA-C	9.78	1.66	1.53
2	6J	77	THR	CA-C	9.78	1.66	1.53
2	6R	77	THR	CA-C	9.78	1.66	1.53
2	7N	77	THR	CA-C	9.78	1.66	1.53
2	13	77	THR	CA-C	9.78	1.66	1.53
2	17	77	THR	CA-C	9.78	1.66	1.53
2	2B	77	THR	CA-C	9.78	1.66	1.53
2	3R	77	THR	CA-C	9.78	1.66	1.53
2	3V	77	THR	CA-C	9.78	1.66	1.53
2	3Z	77	THR	CA-C	9.78	1.66	1.53
2	5F	77	THR	CA-C	9.78	1.66	1.53
2	5J	77	THR	CA-C	9.78	1.66	1.53
2	5N	77	THR	CA-C	9.78	1.66	1.53
2	63	77	THR	CA-C	9.78	1.66	1.53
2	67	77	THR	CA-C	9.78	1.66	1.53
2	7B	77	THR	CA-C	9.78	1.66	1.53
2	1R	33	PRO	C-O	-9.77	1.11	1.24
2	1V	33	PRO	C-O	-9.77	1.11	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	33	PRO	C-O	-9.77	1.11	1.24
2	2R	33	PRO	C-O	-9.77	1.11	1.24
2	2V	33	PRO	C-O	-9.77	1.11	1.24
2	2Z	33	PRO	C-O	-9.77	1.11	1.24
2	43	33	PRO	C-O	-9.77	1.11	1.24
2	47	33	PRO	C-O	-9.77	1.11	1.24
2	5B	33	PRO	C-O	-9.77	1.11	1.24
2	53	33	PRO	C-O	-9.77	1.11	1.24
2	57	33	PRO	C-O	-9.77	1.11	1.24
2	6B	33	PRO	C-O	-9.77	1.11	1.24
1	1M	168	GLN	CG-CD	9.77	1.76	1.52
1	2I	168	GLN	CG-CD	9.77	1.76	1.52
1	3A	168	GLN	CG-CD	9.77	1.76	1.52
1	3I	168	GLN	CG-CD	9.77	1.76	1.52
1	32	168	GLN	CG-CD	9.77	1.76	1.52
1	4E	168	GLN	CG-CD	9.77	1.76	1.52
1	4Y	168	GLN	CG-CD	9.77	1.76	1.52
1	5U	168	GLN	CG-CD	9.77	1.76	1.52
1	6M	168	GLN	CG-CD	9.77	1.76	1.52
1	6U	168	GLN	CG-CD	9.77	1.76	1.52
1	7E	168	GLN	CG-CD	9.77	1.76	1.52
1	7Q	168	GLN	CG-CD	9.77	1.76	1.52
2	1F	33	PRO	C-O	-9.76	1.11	1.24
2	2N	33	PRO	C-O	-9.76	1.11	1.24
2	23	33	PRO	C-O	-9.76	1.11	1.24
2	3N	33	PRO	C-O	-9.76	1.11	1.24
2	37	33	PRO	C-O	-9.76	1.11	1.24
2	4J	33	PRO	C-O	-9.76	1.11	1.24
2	4R	33	PRO	C-O	-9.76	1.11	1.24
2	5Z	33	PRO	C-O	-9.76	1.11	1.24
2	6F	33	PRO	C-O	-9.76	1.11	1.24
2	6Z	33	PRO	C-O	-9.76	1.11	1.24
2	7J	33	PRO	C-O	-9.76	1.11	1.24
2	7V	33	PRO	C-O	-9.76	1.11	1.24
1	1Q	50	ARG	CZ-NH2	-9.76	1.20	1.33
1	1U	50	ARG	CZ-NH2	-9.76	1.20	1.33
1	1Y	50	ARG	CZ-NH2	-9.76	1.20	1.33
1	2Q	50	ARG	CZ-NH2	-9.76	1.20	1.33
1	2U	50	ARG	CZ-NH2	-9.76	1.20	1.33
1	2Y	50	ARG	CZ-NH2	-9.76	1.20	1.33
1	42	50	ARG	CZ-NH2	-9.76	1.20	1.33
1	46	50	ARG	CZ-NH2	-9.76	1.20	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	50	ARG	CZ-NH2	-9.76	1.20	1.33
1	52	50	ARG	CZ-NH2	-9.76	1.20	1.33
1	56	50	ARG	CZ-NH2	-9.76	1.20	1.33
1	6A	50	ARG	CZ-NH2	-9.76	1.20	1.33
1	1E	27	LYS	N-CA	-9.75	1.33	1.46
1	2M	27	LYS	N-CA	-9.75	1.33	1.46
1	22	27	LYS	N-CA	-9.75	1.33	1.46
1	3M	27	LYS	N-CA	-9.75	1.33	1.46
1	36	27	LYS	N-CA	-9.75	1.33	1.46
1	4I	27	LYS	N-CA	-9.75	1.33	1.46
1	4Q	27	LYS	N-CA	-9.75	1.33	1.46
1	5Y	27	LYS	N-CA	-9.75	1.33	1.46
1	6E	27	LYS	N-CA	-9.75	1.33	1.46
1	6Y	27	LYS	N-CA	-9.75	1.33	1.46
1	7I	27	LYS	N-CA	-9.75	1.33	1.46
1	7U	27	LYS	N-CA	-9.75	1.33	1.46
1	1A	50	ARG	CZ-NH2	-9.75	1.20	1.33
1	1E	50	ARG	CZ-NH2	-9.75	1.20	1.33
1	1I	50	ARG	CZ-NH2	-9.75	1.20	1.33
2	1N	33	PRO	C-O	-9.75	1.11	1.24
1	2M	50	ARG	CZ-NH2	-9.75	1.20	1.33
1	22	50	ARG	CZ-NH2	-9.75	1.20	1.33
1	36	50	ARG	CZ-NH2	-9.75	1.20	1.33
1	4I	50	ARG	CZ-NH2	-9.75	1.20	1.33
1	6E	50	ARG	CZ-NH2	-9.75	1.20	1.33
1	7I	50	ARG	CZ-NH2	-9.75	1.20	1.33
2	1R	77	THR	CA-C	9.75	1.66	1.53
2	1V	77	THR	CA-C	9.75	1.66	1.53
2	1Z	77	THR	CA-C	9.75	1.66	1.53
1	2E	50	ARG	CZ-NH2	-9.75	1.20	1.33
2	2J	33	PRO	C-O	-9.75	1.11	1.24
2	2R	77	THR	CA-C	9.75	1.66	1.53
2	2V	77	THR	CA-C	9.75	1.66	1.53
2	2Z	77	THR	CA-C	9.75	1.66	1.53
1	26	50	ARG	CZ-NH2	-9.75	1.20	1.33
2	3B	33	PRO	C-O	-9.75	1.11	1.24
1	3E	50	ARG	CZ-NH2	-9.75	1.20	1.33
2	3J	33	PRO	C-O	-9.75	1.11	1.24
1	3M	50	ARG	CZ-NH2	-9.75	1.20	1.33
2	33	33	PRO	C-O	-9.75	1.11	1.24
1	4A	50	ARG	CZ-NH2	-9.75	1.20	1.33
2	4F	33	PRO	C-O	-9.75	1.11	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4M	50	ARG	CZ-NH2	-9.75	1.20	1.33
1	4Q	50	ARG	CZ-NH2	-9.75	1.20	1.33
1	4U	50	ARG	CZ-NH2	-9.75	1.20	1.33
2	4Z	33	PRO	C-O	-9.75	1.11	1.24
1	5Y	50	ARG	CZ-NH2	-9.75	1.20	1.33
1	6Y	50	ARG	CZ-NH2	-9.75	1.20	1.33
2	43	77	THR	CA-C	9.75	1.66	1.53
2	47	77	THR	CA-C	9.75	1.66	1.53
2	5B	77	THR	CA-C	9.75	1.66	1.53
1	5Q	50	ARG	CZ-NH2	-9.75	1.20	1.33
2	5V	33	PRO	C-O	-9.75	1.11	1.24
2	53	77	THR	CA-C	9.75	1.66	1.53
2	57	77	THR	CA-C	9.75	1.66	1.53
2	6B	77	THR	CA-C	9.75	1.66	1.53
1	6I	50	ARG	CZ-NH2	-9.75	1.20	1.33
2	6N	33	PRO	C-O	-9.75	1.11	1.24
1	6Q	50	ARG	CZ-NH2	-9.75	1.20	1.33
2	6V	33	PRO	C-O	-9.75	1.11	1.24
2	7F	33	PRO	C-O	-9.75	1.11	1.24
1	7M	50	ARG	CZ-NH2	-9.75	1.20	1.33
2	7R	33	PRO	C-O	-9.75	1.11	1.24
1	7U	50	ARG	CZ-NH2	-9.75	1.20	1.33
2	1F	77	THR	CA-C	9.73	1.66	1.53
1	1M	50	ARG	CZ-NH2	-9.73	1.20	1.33
1	2I	50	ARG	CZ-NH2	-9.73	1.20	1.33
1	3A	50	ARG	CZ-NH2	-9.73	1.20	1.33
1	3I	50	ARG	CZ-NH2	-9.73	1.20	1.33
1	32	50	ARG	CZ-NH2	-9.73	1.20	1.33
1	4Y	50	ARG	CZ-NH2	-9.73	1.20	1.33
1	6M	50	ARG	CZ-NH2	-9.73	1.20	1.33
1	7E	50	ARG	CZ-NH2	-9.73	1.20	1.33
2	1R	208	SER	CA-C	9.73	1.65	1.52
2	1V	208	SER	CA-C	9.73	1.65	1.52
2	1Z	208	SER	CA-C	9.73	1.65	1.52
2	2N	77	THR	CA-C	9.73	1.66	1.53
2	2R	208	SER	CA-C	9.73	1.65	1.52
2	2V	208	SER	CA-C	9.73	1.65	1.52
2	2Z	208	SER	CA-C	9.73	1.65	1.52
2	23	77	THR	CA-C	9.73	1.66	1.53
2	3N	77	THR	CA-C	9.73	1.66	1.53
2	37	77	THR	CA-C	9.73	1.66	1.53
1	4E	50	ARG	CZ-NH2	-9.73	1.20	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4J	77	THR	CA-C	9.73	1.66	1.53
2	4R	77	THR	CA-C	9.73	1.66	1.53
1	5U	50	ARG	CZ-NH2	-9.73	1.20	1.33
1	6U	50	ARG	CZ-NH2	-9.73	1.20	1.33
1	7Q	50	ARG	CZ-NH2	-9.73	1.20	1.33
2	43	208	SER	CA-C	9.73	1.65	1.52
2	47	208	SER	CA-C	9.73	1.65	1.52
2	5B	208	SER	CA-C	9.73	1.65	1.52
2	5Z	77	THR	CA-C	9.73	1.66	1.53
2	53	208	SER	CA-C	9.73	1.65	1.52
2	57	208	SER	CA-C	9.73	1.65	1.52
2	6B	208	SER	CA-C	9.73	1.65	1.52
2	6F	77	THR	CA-C	9.73	1.66	1.53
2	6Z	77	THR	CA-C	9.73	1.66	1.53
2	7J	77	THR	CA-C	9.73	1.66	1.53
2	7V	77	THR	CA-C	9.73	1.66	1.53
2	1F	208	SER	CA-C	9.71	1.65	1.52
2	2N	208	SER	CA-C	9.71	1.65	1.52
2	23	208	SER	CA-C	9.71	1.65	1.52
2	3N	208	SER	CA-C	9.71	1.65	1.52
2	37	208	SER	CA-C	9.71	1.65	1.52
2	4J	208	SER	CA-C	9.71	1.65	1.52
2	4R	208	SER	CA-C	9.71	1.65	1.52
2	5Z	208	SER	CA-C	9.71	1.65	1.52
2	6F	208	SER	CA-C	9.71	1.65	1.52
2	6Z	208	SER	CA-C	9.71	1.65	1.52
2	7J	208	SER	CA-C	9.71	1.65	1.52
2	7V	208	SER	CA-C	9.71	1.65	1.52
2	13	208	SER	CA-C	9.68	1.65	1.52
2	17	208	SER	CA-C	9.68	1.65	1.52
2	2B	208	SER	CA-C	9.68	1.65	1.52
2	3R	208	SER	CA-C	9.68	1.65	1.52
2	3V	208	SER	CA-C	9.68	1.65	1.52
2	3Z	208	SER	CA-C	9.68	1.65	1.52
2	5F	208	SER	CA-C	9.68	1.65	1.52
2	5J	208	SER	CA-C	9.68	1.65	1.52
2	5N	208	SER	CA-C	9.68	1.65	1.52
2	63	208	SER	CA-C	9.68	1.65	1.52
2	67	208	SER	CA-C	9.68	1.65	1.52
2	7B	208	SER	CA-C	9.68	1.65	1.52
1	12	50	ARG	CZ-NH2	-9.68	1.20	1.33
1	16	50	ARG	CZ-NH2	-9.68	1.20	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	50	ARG	CZ-NH2	-9.68	1.20	1.33
1	3Q	50	ARG	CZ-NH2	-9.68	1.20	1.33
1	3U	50	ARG	CZ-NH2	-9.68	1.20	1.33
1	3Y	50	ARG	CZ-NH2	-9.68	1.20	1.33
1	5E	50	ARG	CZ-NH2	-9.68	1.20	1.33
1	5I	50	ARG	CZ-NH2	-9.68	1.20	1.33
1	5M	50	ARG	CZ-NH2	-9.68	1.20	1.33
1	62	50	ARG	CZ-NH2	-9.68	1.20	1.33
1	66	50	ARG	CZ-NH2	-9.68	1.20	1.33
1	7A	50	ARG	CZ-NH2	-9.68	1.20	1.33
2	1B	208	SER	CA-C	9.68	1.65	1.52
2	1J	208	SER	CA-C	9.68	1.65	1.52
2	1N	208	SER	CA-C	9.68	1.65	1.52
2	2F	208	SER	CA-C	9.68	1.65	1.52
2	2J	208	SER	CA-C	9.68	1.65	1.52
2	27	208	SER	CA-C	9.68	1.65	1.52
2	3B	208	SER	CA-C	9.68	1.65	1.52
2	3F	208	SER	CA-C	9.68	1.65	1.52
2	3J	208	SER	CA-C	9.68	1.65	1.52
2	33	208	SER	CA-C	9.68	1.65	1.52
2	4B	208	SER	CA-C	9.68	1.65	1.52
2	4F	208	SER	CA-C	9.68	1.65	1.52
2	4N	208	SER	CA-C	9.68	1.65	1.52
2	4V	208	SER	CA-C	9.68	1.65	1.52
2	4Z	208	SER	CA-C	9.68	1.65	1.52
2	5R	208	SER	CA-C	9.68	1.65	1.52
2	5V	208	SER	CA-C	9.68	1.65	1.52
2	6J	208	SER	CA-C	9.68	1.65	1.52
2	6N	208	SER	CA-C	9.68	1.65	1.52
2	6R	208	SER	CA-C	9.68	1.65	1.52
2	6V	208	SER	CA-C	9.68	1.65	1.52
2	7F	208	SER	CA-C	9.68	1.65	1.52
2	7N	208	SER	CA-C	9.68	1.65	1.52
2	7R	208	SER	CA-C	9.68	1.65	1.52
2	13	70	TRP	CZ2-CH2	9.67	1.55	1.37
2	17	70	TRP	CZ2-CH2	9.67	1.55	1.37
2	2B	70	TRP	CZ2-CH2	9.67	1.55	1.37
2	3R	70	TRP	CZ2-CH2	9.67	1.55	1.37
2	3V	70	TRP	CZ2-CH2	9.67	1.55	1.37
2	3Z	70	TRP	CZ2-CH2	9.67	1.55	1.37
2	5F	70	TRP	CZ2-CH2	9.67	1.55	1.37
2	5J	70	TRP	CZ2-CH2	9.67	1.55	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	70	TRP	CZ2-CH2	9.67	1.55	1.37
2	63	70	TRP	CZ2-CH2	9.67	1.55	1.37
2	67	70	TRP	CZ2-CH2	9.67	1.55	1.37
2	7B	70	TRP	CZ2-CH2	9.67	1.55	1.37
1	12	82	ARG	N-CA	-9.66	1.34	1.45
1	16	82	ARG	N-CA	-9.66	1.34	1.45
1	2A	82	ARG	N-CA	-9.66	1.34	1.45
1	3Q	82	ARG	N-CA	-9.66	1.34	1.45
1	3U	82	ARG	N-CA	-9.66	1.34	1.45
1	3Y	82	ARG	N-CA	-9.66	1.34	1.45
1	5E	82	ARG	N-CA	-9.66	1.34	1.45
1	5I	82	ARG	N-CA	-9.66	1.34	1.45
1	5M	82	ARG	N-CA	-9.66	1.34	1.45
1	62	82	ARG	N-CA	-9.66	1.34	1.45
1	66	82	ARG	N-CA	-9.66	1.34	1.45
1	7A	82	ARG	N-CA	-9.66	1.34	1.45
2	1R	70	TRP	CZ2-CH2	9.66	1.55	1.37
2	1V	70	TRP	CZ2-CH2	9.66	1.55	1.37
2	1Z	70	TRP	CZ2-CH2	9.66	1.55	1.37
2	2R	70	TRP	CZ2-CH2	9.66	1.55	1.37
2	2V	70	TRP	CZ2-CH2	9.66	1.55	1.37
2	2Z	70	TRP	CZ2-CH2	9.66	1.55	1.37
2	43	70	TRP	CZ2-CH2	9.66	1.55	1.37
2	47	70	TRP	CZ2-CH2	9.66	1.55	1.37
2	5B	70	TRP	CZ2-CH2	9.66	1.55	1.37
2	53	70	TRP	CZ2-CH2	9.66	1.55	1.37
2	57	70	TRP	CZ2-CH2	9.66	1.55	1.37
2	6B	70	TRP	CZ2-CH2	9.66	1.55	1.37
1	1E	82	ARG	N-CA	-9.66	1.34	1.45
1	2M	82	ARG	N-CA	-9.66	1.34	1.45
1	22	82	ARG	N-CA	-9.66	1.34	1.45
1	3M	82	ARG	N-CA	-9.66	1.34	1.45
1	36	82	ARG	N-CA	-9.66	1.34	1.45
1	4I	82	ARG	N-CA	-9.66	1.34	1.45
1	4Q	82	ARG	N-CA	-9.66	1.34	1.45
1	5Y	82	ARG	N-CA	-9.66	1.34	1.45
1	6E	82	ARG	N-CA	-9.66	1.34	1.45
1	6Y	82	ARG	N-CA	-9.66	1.34	1.45
1	7I	82	ARG	N-CA	-9.66	1.34	1.45
1	7U	82	ARG	N-CA	-9.66	1.34	1.45
2	1R	7	ASN	CA-C	9.65	1.65	1.52
2	1V	7	ASN	CA-C	9.65	1.65	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	7	ASN	CA-C	9.65	1.65	1.52
2	2R	7	ASN	CA-C	9.65	1.65	1.52
2	2V	7	ASN	CA-C	9.65	1.65	1.52
2	2Z	7	ASN	CA-C	9.65	1.65	1.52
2	43	7	ASN	CA-C	9.65	1.65	1.52
2	47	7	ASN	CA-C	9.65	1.65	1.52
2	5B	7	ASN	CA-C	9.65	1.65	1.52
2	53	7	ASN	CA-C	9.65	1.65	1.52
2	57	7	ASN	CA-C	9.65	1.65	1.52
2	6B	7	ASN	CA-C	9.65	1.65	1.52
2	1F	7	ASN	CA-C	9.64	1.65	1.52
2	2N	7	ASN	CA-C	9.64	1.65	1.52
2	23	7	ASN	CA-C	9.64	1.65	1.52
2	3N	7	ASN	CA-C	9.64	1.65	1.52
2	37	7	ASN	CA-C	9.64	1.65	1.52
2	4J	7	ASN	CA-C	9.64	1.65	1.52
2	4R	7	ASN	CA-C	9.64	1.65	1.52
2	5Z	7	ASN	CA-C	9.64	1.65	1.52
2	6F	7	ASN	CA-C	9.64	1.65	1.52
2	6Z	7	ASN	CA-C	9.64	1.65	1.52
2	7J	7	ASN	CA-C	9.64	1.65	1.52
2	7V	7	ASN	CA-C	9.64	1.65	1.52
2	1B	70	TRP	CZ2-CH2	9.64	1.55	1.37
2	1J	70	TRP	CZ2-CH2	9.64	1.55	1.37
2	2F	70	TRP	CZ2-CH2	9.64	1.55	1.37
2	27	70	TRP	CZ2-CH2	9.64	1.55	1.37
2	3F	70	TRP	CZ2-CH2	9.64	1.55	1.37
2	4B	70	TRP	CZ2-CH2	9.64	1.55	1.37
2	4N	70	TRP	CZ2-CH2	9.64	1.55	1.37
2	4V	70	TRP	CZ2-CH2	9.64	1.55	1.37
2	5R	70	TRP	CZ2-CH2	9.64	1.55	1.37
2	6J	70	TRP	CZ2-CH2	9.64	1.55	1.37
2	6R	70	TRP	CZ2-CH2	9.64	1.55	1.37
2	7N	70	TRP	CZ2-CH2	9.64	1.55	1.37
2	1N	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	2J	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	3B	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	3J	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	33	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	4F	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	4Z	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	5V	70	TRP	CZ2-CH2	9.63	1.55	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	6V	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	7F	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	7R	70	TRP	CZ2-CH2	9.63	1.55	1.37
1	1A	82	ARG	N-CA	-9.63	1.34	1.45
1	1I	82	ARG	N-CA	-9.63	1.34	1.45
1	2E	82	ARG	N-CA	-9.63	1.34	1.45
1	26	82	ARG	N-CA	-9.63	1.34	1.45
1	3E	82	ARG	N-CA	-9.63	1.34	1.45
1	4A	82	ARG	N-CA	-9.63	1.34	1.45
1	4M	82	ARG	N-CA	-9.63	1.34	1.45
1	4U	82	ARG	N-CA	-9.63	1.34	1.45
1	5Q	82	ARG	N-CA	-9.63	1.34	1.45
1	6I	82	ARG	N-CA	-9.63	1.34	1.45
1	6Q	82	ARG	N-CA	-9.63	1.34	1.45
1	7M	82	ARG	N-CA	-9.63	1.34	1.45
2	1F	57	LYS	CG-CD	9.63	1.81	1.52
2	1F	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	2N	57	LYS	CG-CD	9.63	1.81	1.52
2	2N	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	23	57	LYS	CG-CD	9.63	1.81	1.52
2	23	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	3N	57	LYS	CG-CD	9.63	1.81	1.52
2	3N	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	37	57	LYS	CG-CD	9.63	1.81	1.52
2	37	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	4J	57	LYS	CG-CD	9.63	1.81	1.52
2	4J	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	4R	57	LYS	CG-CD	9.63	1.81	1.52
2	4R	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	5Z	57	LYS	CG-CD	9.63	1.81	1.52
2	5Z	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	6F	57	LYS	CG-CD	9.63	1.81	1.52
2	6F	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	6Z	57	LYS	CG-CD	9.63	1.81	1.52
2	6Z	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	7J	57	LYS	CG-CD	9.63	1.81	1.52
2	7J	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	7V	57	LYS	CG-CD	9.63	1.81	1.52
2	7V	70	TRP	CZ2-CH2	9.63	1.55	1.37
2	13	57	LYS	CG-CD	9.62	1.81	1.52
2	17	57	LYS	CG-CD	9.62	1.81	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	57	LYS	CG-CD	9.62	1.81	1.52
2	3R	57	LYS	CG-CD	9.62	1.81	1.52
2	3V	57	LYS	CG-CD	9.62	1.81	1.52
2	3Z	57	LYS	CG-CD	9.62	1.81	1.52
2	5F	57	LYS	CG-CD	9.62	1.81	1.52
2	5J	57	LYS	CG-CD	9.62	1.81	1.52
2	5N	57	LYS	CG-CD	9.62	1.81	1.52
2	63	57	LYS	CG-CD	9.62	1.81	1.52
2	67	57	LYS	CG-CD	9.62	1.81	1.52
2	7B	57	LYS	CG-CD	9.62	1.81	1.52
1	12	92	ASN	C-N	-9.62	1.20	1.33
1	16	92	ASN	C-N	-9.62	1.20	1.33
1	2A	92	ASN	C-N	-9.62	1.20	1.33
1	3Q	92	ASN	C-N	-9.62	1.20	1.33
1	3U	92	ASN	C-N	-9.62	1.20	1.33
1	3Y	92	ASN	C-N	-9.62	1.20	1.33
1	5E	92	ASN	C-N	-9.62	1.20	1.33
1	5I	92	ASN	C-N	-9.62	1.20	1.33
1	5M	92	ASN	C-N	-9.62	1.20	1.33
1	62	92	ASN	C-N	-9.62	1.20	1.33
1	66	92	ASN	C-N	-9.62	1.20	1.33
1	7A	92	ASN	C-N	-9.62	1.20	1.33
1	1M	92	ASN	C-N	-9.62	1.20	1.33
2	1N	7	ASN	CA-C	9.61	1.65	1.52
1	2I	92	ASN	C-N	-9.62	1.20	1.33
2	2J	7	ASN	CA-C	9.61	1.65	1.52
1	3A	92	ASN	C-N	-9.62	1.20	1.33
2	3B	7	ASN	CA-C	9.61	1.65	1.52
1	3I	92	ASN	C-N	-9.62	1.20	1.33
2	3J	7	ASN	CA-C	9.61	1.65	1.52
1	32	92	ASN	C-N	-9.62	1.20	1.33
2	33	7	ASN	CA-C	9.61	1.65	1.52
1	4E	92	ASN	C-N	-9.62	1.20	1.33
2	4F	7	ASN	CA-C	9.61	1.65	1.52
1	4Y	92	ASN	C-N	-9.62	1.20	1.33
2	4Z	7	ASN	CA-C	9.61	1.65	1.52
1	5U	92	ASN	C-N	-9.62	1.20	1.33
2	5V	7	ASN	CA-C	9.61	1.65	1.52
1	6M	92	ASN	C-N	-9.62	1.20	1.33
2	6N	7	ASN	CA-C	9.61	1.65	1.52
1	6U	92	ASN	C-N	-9.62	1.20	1.33
2	6V	7	ASN	CA-C	9.61	1.65	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7E	92	ASN	C-N	-9.62	1.20	1.33
2	7F	7	ASN	CA-C	9.61	1.65	1.52
1	7Q	92	ASN	C-N	-9.62	1.20	1.33
2	7R	7	ASN	CA-C	9.61	1.65	1.52
2	1R	57	LYS	CG-CD	9.61	1.81	1.52
2	1V	57	LYS	CG-CD	9.61	1.81	1.52
2	1Z	57	LYS	CG-CD	9.61	1.81	1.52
2	2R	57	LYS	CG-CD	9.61	1.81	1.52
2	2V	57	LYS	CG-CD	9.61	1.81	1.52
2	2Z	57	LYS	CG-CD	9.61	1.81	1.52
2	43	57	LYS	CG-CD	9.61	1.81	1.52
2	47	57	LYS	CG-CD	9.61	1.81	1.52
2	5B	57	LYS	CG-CD	9.61	1.81	1.52
2	53	57	LYS	CG-CD	9.61	1.81	1.52
2	57	57	LYS	CG-CD	9.61	1.81	1.52
2	6B	57	LYS	CG-CD	9.61	1.81	1.52
1	1M	82	ARG	N-CA	-9.60	1.34	1.45
1	2I	82	ARG	N-CA	-9.60	1.34	1.45
1	3A	82	ARG	N-CA	-9.60	1.34	1.45
1	3I	82	ARG	N-CA	-9.60	1.34	1.45
1	32	82	ARG	N-CA	-9.60	1.34	1.45
1	4E	82	ARG	N-CA	-9.60	1.34	1.45
1	4Y	82	ARG	N-CA	-9.60	1.34	1.45
1	5U	82	ARG	N-CA	-9.60	1.34	1.45
1	6M	82	ARG	N-CA	-9.60	1.34	1.45
1	6U	82	ARG	N-CA	-9.60	1.34	1.45
1	7E	82	ARG	N-CA	-9.60	1.34	1.45
1	7Q	82	ARG	N-CA	-9.60	1.34	1.45
2	1B	7	ASN	CA-C	9.60	1.65	1.52
1	1E	92	ASN	C-N	-9.60	1.20	1.33
2	1J	7	ASN	CA-C	9.60	1.65	1.52
2	2F	7	ASN	CA-C	9.60	1.65	1.52
1	2M	92	ASN	C-N	-9.60	1.20	1.33
1	22	92	ASN	C-N	-9.60	1.20	1.33
2	27	7	ASN	CA-C	9.60	1.65	1.52
2	3F	7	ASN	CA-C	9.60	1.65	1.52
1	3M	92	ASN	C-N	-9.60	1.20	1.33
1	36	92	ASN	C-N	-9.60	1.20	1.33
2	4B	7	ASN	CA-C	9.60	1.65	1.52
1	4I	92	ASN	C-N	-9.60	1.20	1.33
2	4N	7	ASN	CA-C	9.60	1.65	1.52
1	4Q	92	ASN	C-N	-9.60	1.20	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4V	7	ASN	CA-C	9.60	1.65	1.52
2	5R	7	ASN	CA-C	9.60	1.65	1.52
1	5Y	92	ASN	C-N	-9.60	1.20	1.33
1	6E	92	ASN	C-N	-9.60	1.20	1.33
2	6J	7	ASN	CA-C	9.60	1.65	1.52
2	6R	7	ASN	CA-C	9.60	1.65	1.52
1	6Y	92	ASN	C-N	-9.60	1.20	1.33
1	7I	92	ASN	C-N	-9.60	1.20	1.33
2	7N	7	ASN	CA-C	9.60	1.65	1.52
1	7U	92	ASN	C-N	-9.60	1.20	1.33
2	1B	57	LYS	CG-CD	9.60	1.81	1.52
2	1J	57	LYS	CG-CD	9.60	1.81	1.52
1	1Q	82	ARG	N-CA	-9.60	1.34	1.45
1	1U	82	ARG	N-CA	-9.60	1.34	1.45
1	1Y	82	ARG	N-CA	-9.60	1.34	1.45
2	2F	57	LYS	CG-CD	9.60	1.81	1.52
1	2Q	82	ARG	N-CA	-9.60	1.34	1.45
1	2U	82	ARG	N-CA	-9.60	1.34	1.45
1	2Y	82	ARG	N-CA	-9.60	1.34	1.45
2	27	57	LYS	CG-CD	9.60	1.81	1.52
2	3F	57	LYS	CG-CD	9.60	1.81	1.52
2	4B	57	LYS	CG-CD	9.60	1.81	1.52
2	4N	57	LYS	CG-CD	9.60	1.81	1.52
2	4V	57	LYS	CG-CD	9.60	1.81	1.52
1	42	82	ARG	N-CA	-9.60	1.34	1.45
1	46	82	ARG	N-CA	-9.60	1.34	1.45
1	5A	82	ARG	N-CA	-9.60	1.34	1.45
2	5R	57	LYS	CG-CD	9.60	1.81	1.52
1	52	82	ARG	N-CA	-9.60	1.34	1.45
1	56	82	ARG	N-CA	-9.60	1.34	1.45
1	6A	82	ARG	N-CA	-9.60	1.34	1.45
2	6J	57	LYS	CG-CD	9.60	1.81	1.52
2	6R	57	LYS	CG-CD	9.60	1.81	1.52
2	7N	57	LYS	CG-CD	9.60	1.81	1.52
2	1N	57	LYS	CG-CD	9.59	1.81	1.52
2	2J	57	LYS	CG-CD	9.59	1.81	1.52
2	3B	57	LYS	CG-CD	9.59	1.81	1.52
2	3J	57	LYS	CG-CD	9.59	1.81	1.52
2	33	57	LYS	CG-CD	9.59	1.81	1.52
2	4F	57	LYS	CG-CD	9.59	1.81	1.52
2	4Z	57	LYS	CG-CD	9.59	1.81	1.52
2	5V	57	LYS	CG-CD	9.59	1.81	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	57	LYS	CG-CD	9.59	1.81	1.52
2	6V	57	LYS	CG-CD	9.59	1.81	1.52
2	7F	57	LYS	CG-CD	9.59	1.81	1.52
2	7R	57	LYS	CG-CD	9.59	1.81	1.52
1	1A	92	ASN	C-N	-9.59	1.20	1.33
1	1I	92	ASN	C-N	-9.59	1.20	1.33
1	2E	92	ASN	C-N	-9.59	1.20	1.33
1	26	92	ASN	C-N	-9.59	1.20	1.33
1	3E	92	ASN	C-N	-9.59	1.20	1.33
1	4A	92	ASN	C-N	-9.59	1.20	1.33
1	4M	92	ASN	C-N	-9.59	1.20	1.33
1	4U	92	ASN	C-N	-9.59	1.20	1.33
1	5Q	92	ASN	C-N	-9.59	1.20	1.33
1	6I	92	ASN	C-N	-9.59	1.20	1.33
1	6Q	92	ASN	C-N	-9.59	1.20	1.33
1	7M	92	ASN	C-N	-9.59	1.20	1.33
2	13	7	ASN	CA-C	9.58	1.65	1.52
2	17	7	ASN	CA-C	9.58	1.65	1.52
2	2B	7	ASN	CA-C	9.58	1.65	1.52
2	3R	7	ASN	CA-C	9.58	1.65	1.52
2	3V	7	ASN	CA-C	9.58	1.65	1.52
2	3Z	7	ASN	CA-C	9.58	1.65	1.52
2	5F	7	ASN	CA-C	9.58	1.65	1.52
2	5J	7	ASN	CA-C	9.58	1.65	1.52
2	5N	7	ASN	CA-C	9.58	1.65	1.52
2	63	7	ASN	CA-C	9.58	1.65	1.52
2	67	7	ASN	CA-C	9.58	1.65	1.52
2	7B	7	ASN	CA-C	9.58	1.65	1.52
1	1Q	92	ASN	C-N	-9.57	1.20	1.33
1	1U	92	ASN	C-N	-9.57	1.20	1.33
1	1Y	92	ASN	C-N	-9.57	1.20	1.33
1	2Q	92	ASN	C-N	-9.57	1.20	1.33
1	2U	92	ASN	C-N	-9.57	1.20	1.33
1	2Y	92	ASN	C-N	-9.57	1.20	1.33
1	42	92	ASN	C-N	-9.57	1.20	1.33
1	46	92	ASN	C-N	-9.57	1.20	1.33
1	5A	92	ASN	C-N	-9.57	1.20	1.33
1	52	92	ASN	C-N	-9.57	1.20	1.33
1	56	92	ASN	C-N	-9.57	1.20	1.33
1	6A	92	ASN	C-N	-9.57	1.20	1.33
1	1Q	25	ASP	CA-CB	9.55	1.69	1.53
1	1U	25	ASP	CA-CB	9.55	1.69	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	25	ASP	CA-CB	9.55	1.69	1.53
1	2Q	25	ASP	CA-CB	9.55	1.69	1.53
1	2U	25	ASP	CA-CB	9.55	1.69	1.53
1	2Y	25	ASP	CA-CB	9.55	1.69	1.53
1	42	25	ASP	CA-CB	9.55	1.69	1.53
1	46	25	ASP	CA-CB	9.55	1.69	1.53
1	5A	25	ASP	CA-CB	9.55	1.69	1.53
1	52	25	ASP	CA-CB	9.55	1.69	1.53
1	56	25	ASP	CA-CB	9.55	1.69	1.53
1	6A	25	ASP	CA-CB	9.55	1.69	1.53
1	1M	25	ASP	CA-CB	9.54	1.69	1.53
1	2I	25	ASP	CA-CB	9.54	1.69	1.53
1	3A	25	ASP	CA-CB	9.54	1.69	1.53
1	3I	25	ASP	CA-CB	9.54	1.69	1.53
1	32	25	ASP	CA-CB	9.54	1.69	1.53
1	4E	25	ASP	CA-CB	9.54	1.69	1.53
1	4Y	25	ASP	CA-CB	9.54	1.69	1.53
1	5U	25	ASP	CA-CB	9.54	1.69	1.53
1	6M	25	ASP	CA-CB	9.54	1.69	1.53
1	6U	25	ASP	CA-CB	9.54	1.69	1.53
1	7E	25	ASP	CA-CB	9.54	1.69	1.53
1	7Q	25	ASP	CA-CB	9.54	1.69	1.53
1	1A	25	ASP	CA-CB	9.52	1.69	1.53
1	1I	25	ASP	CA-CB	9.52	1.69	1.53
1	2E	25	ASP	CA-CB	9.52	1.69	1.53
1	26	25	ASP	CA-CB	9.52	1.69	1.53
1	3E	25	ASP	CA-CB	9.52	1.69	1.53
1	4A	25	ASP	CA-CB	9.52	1.69	1.53
1	4M	25	ASP	CA-CB	9.52	1.69	1.53
1	4U	25	ASP	CA-CB	9.52	1.69	1.53
1	5Q	25	ASP	CA-CB	9.52	1.69	1.53
1	6I	25	ASP	CA-CB	9.52	1.69	1.53
1	6Q	25	ASP	CA-CB	9.52	1.69	1.53
1	7M	25	ASP	CA-CB	9.52	1.69	1.53
1	1M	35	THR	CB-CG2	9.50	1.83	1.52
1	2I	35	THR	CB-CG2	9.50	1.83	1.52
1	3A	35	THR	CB-CG2	9.50	1.83	1.52
1	3I	35	THR	CB-CG2	9.50	1.83	1.52
1	32	35	THR	CB-CG2	9.50	1.83	1.52
1	4E	35	THR	CB-CG2	9.50	1.83	1.52
1	4Y	35	THR	CB-CG2	9.50	1.83	1.52
1	5U	35	THR	CB-CG2	9.50	1.83	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	35	THR	CB-CG2	9.50	1.83	1.52
1	6U	35	THR	CB-CG2	9.50	1.83	1.52
1	7E	35	THR	CB-CG2	9.50	1.83	1.52
1	7Q	35	THR	CB-CG2	9.50	1.83	1.52
1	12	35	THR	CB-CG2	9.50	1.83	1.52
1	16	35	THR	CB-CG2	9.50	1.83	1.52
1	2A	35	THR	CB-CG2	9.50	1.83	1.52
1	3Q	35	THR	CB-CG2	9.50	1.83	1.52
1	3U	35	THR	CB-CG2	9.50	1.83	1.52
1	3Y	35	THR	CB-CG2	9.50	1.83	1.52
1	5E	35	THR	CB-CG2	9.50	1.83	1.52
1	5I	35	THR	CB-CG2	9.50	1.83	1.52
1	5M	35	THR	CB-CG2	9.50	1.83	1.52
1	62	35	THR	CB-CG2	9.50	1.83	1.52
1	66	35	THR	CB-CG2	9.50	1.83	1.52
1	7A	35	THR	CB-CG2	9.50	1.83	1.52
1	1E	25	ASP	CA-CB	9.49	1.69	1.53
1	2M	25	ASP	CA-CB	9.49	1.69	1.53
1	22	25	ASP	CA-CB	9.49	1.69	1.53
1	3M	25	ASP	CA-CB	9.49	1.69	1.53
1	36	25	ASP	CA-CB	9.49	1.69	1.53
1	4I	25	ASP	CA-CB	9.49	1.69	1.53
1	4Q	25	ASP	CA-CB	9.49	1.69	1.53
1	5Y	25	ASP	CA-CB	9.49	1.69	1.53
1	6E	25	ASP	CA-CB	9.49	1.69	1.53
1	6Y	25	ASP	CA-CB	9.49	1.69	1.53
1	7I	25	ASP	CA-CB	9.49	1.69	1.53
1	7U	25	ASP	CA-CB	9.49	1.69	1.53
1	1A	35	THR	CB-CG2	9.48	1.83	1.52
1	1I	35	THR	CB-CG2	9.48	1.83	1.52
1	2E	35	THR	CB-CG2	9.48	1.83	1.52
1	26	35	THR	CB-CG2	9.48	1.83	1.52
1	3E	35	THR	CB-CG2	9.48	1.83	1.52
1	4A	35	THR	CB-CG2	9.48	1.83	1.52
1	4M	35	THR	CB-CG2	9.48	1.83	1.52
1	4U	35	THR	CB-CG2	9.48	1.83	1.52
1	5Q	35	THR	CB-CG2	9.48	1.83	1.52
1	6I	35	THR	CB-CG2	9.48	1.83	1.52
1	6Q	35	THR	CB-CG2	9.48	1.83	1.52
1	7M	35	THR	CB-CG2	9.48	1.83	1.52
1	12	25	ASP	CA-CB	9.48	1.69	1.53
1	16	25	ASP	CA-CB	9.48	1.69	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	25	ASP	CA-CB	9.48	1.69	1.53
1	3Q	25	ASP	CA-CB	9.48	1.69	1.53
1	3U	25	ASP	CA-CB	9.48	1.69	1.53
1	3Y	25	ASP	CA-CB	9.48	1.69	1.53
1	5E	25	ASP	CA-CB	9.48	1.69	1.53
1	5I	25	ASP	CA-CB	9.48	1.69	1.53
1	5M	25	ASP	CA-CB	9.48	1.69	1.53
1	62	25	ASP	CA-CB	9.48	1.69	1.53
1	66	25	ASP	CA-CB	9.48	1.69	1.53
1	7A	25	ASP	CA-CB	9.48	1.69	1.53
1	1E	35	THR	CB-CG2	9.48	1.83	1.52
1	1Q	76	TYR	C-N	-9.48	1.18	1.33
1	1U	76	TYR	C-N	-9.48	1.18	1.33
1	1Y	76	TYR	C-N	-9.48	1.18	1.33
2	13	7	ASN	CG-ND2	9.48	1.53	1.33
2	17	7	ASN	CG-ND2	9.48	1.53	1.33
2	2B	7	ASN	CG-ND2	9.48	1.53	1.33
1	2M	35	THR	CB-CG2	9.48	1.83	1.52
1	2Q	76	TYR	C-N	-9.48	1.18	1.33
1	2U	76	TYR	C-N	-9.48	1.18	1.33
1	2Y	76	TYR	C-N	-9.48	1.18	1.33
1	22	35	THR	CB-CG2	9.48	1.83	1.52
1	3M	35	THR	CB-CG2	9.48	1.83	1.52
2	3R	7	ASN	CG-ND2	9.48	1.53	1.33
2	3V	7	ASN	CG-ND2	9.48	1.53	1.33
2	3Z	7	ASN	CG-ND2	9.48	1.53	1.33
1	36	35	THR	CB-CG2	9.48	1.83	1.52
1	4I	35	THR	CB-CG2	9.48	1.83	1.52
1	4Q	35	THR	CB-CG2	9.48	1.83	1.52
1	42	76	TYR	C-N	-9.48	1.18	1.33
1	46	76	TYR	C-N	-9.48	1.18	1.33
1	5A	76	TYR	C-N	-9.48	1.18	1.33
2	5F	7	ASN	CG-ND2	9.48	1.53	1.33
2	5J	7	ASN	CG-ND2	9.48	1.53	1.33
2	5N	7	ASN	CG-ND2	9.48	1.53	1.33
1	5Y	35	THR	CB-CG2	9.48	1.83	1.52
1	52	76	TYR	C-N	-9.48	1.18	1.33
1	56	76	TYR	C-N	-9.48	1.18	1.33
1	6A	76	TYR	C-N	-9.48	1.18	1.33
1	6E	35	THR	CB-CG2	9.48	1.83	1.52
1	6Y	35	THR	CB-CG2	9.48	1.83	1.52
2	63	7	ASN	CG-ND2	9.48	1.53	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	67	7	ASN	CG-ND2	9.48	1.53	1.33
2	7B	7	ASN	CG-ND2	9.48	1.53	1.33
1	7I	35	THR	CB-CG2	9.48	1.83	1.52
1	7U	35	THR	CB-CG2	9.48	1.83	1.52
1	1A	149	THR	C-N	9.47	1.47	1.33
1	1I	149	THR	C-N	9.47	1.47	1.33
1	2E	149	THR	C-N	9.47	1.47	1.33
1	26	149	THR	C-N	9.47	1.47	1.33
1	3E	149	THR	C-N	9.47	1.47	1.33
1	4A	149	THR	C-N	9.47	1.47	1.33
1	4M	149	THR	C-N	9.47	1.47	1.33
1	4U	149	THR	C-N	9.47	1.47	1.33
1	5Q	149	THR	C-N	9.47	1.47	1.33
1	6I	149	THR	C-N	9.47	1.47	1.33
1	6Q	149	THR	C-N	9.47	1.47	1.33
1	7M	149	THR	C-N	9.47	1.47	1.33
1	1E	149	THR	C-N	9.47	1.47	1.33
1	1M	149	THR	C-N	9.47	1.47	1.33
1	1Q	35	THR	CB-CG2	9.47	1.83	1.52
1	1U	35	THR	CB-CG2	9.47	1.83	1.52
1	1Y	35	THR	CB-CG2	9.47	1.83	1.52
1	2I	149	THR	C-N	9.47	1.47	1.33
1	2M	149	THR	C-N	9.47	1.47	1.33
1	2Q	35	THR	CB-CG2	9.47	1.83	1.52
1	2U	35	THR	CB-CG2	9.47	1.83	1.52
1	2Y	35	THR	CB-CG2	9.47	1.83	1.52
1	22	149	THR	C-N	9.47	1.47	1.33
1	3A	149	THR	C-N	9.47	1.47	1.33
1	3I	149	THR	C-N	9.47	1.47	1.33
1	3M	149	THR	C-N	9.47	1.47	1.33
1	32	149	THR	C-N	9.47	1.47	1.33
1	36	149	THR	C-N	9.47	1.47	1.33
1	4E	149	THR	C-N	9.47	1.47	1.33
1	4I	149	THR	C-N	9.47	1.47	1.33
1	4Q	149	THR	C-N	9.47	1.47	1.33
1	4Y	149	THR	C-N	9.47	1.47	1.33
1	42	35	THR	CB-CG2	9.47	1.83	1.52
1	46	35	THR	CB-CG2	9.47	1.83	1.52
1	5A	35	THR	CB-CG2	9.47	1.83	1.52
1	5U	149	THR	C-N	9.47	1.47	1.33
1	5Y	149	THR	C-N	9.47	1.47	1.33
1	52	35	THR	CB-CG2	9.47	1.83	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	56	35	THR	CB-CG2	9.47	1.83	1.52
1	6A	35	THR	CB-CG2	9.47	1.83	1.52
1	6E	149	THR	C-N	9.47	1.47	1.33
1	6M	149	THR	C-N	9.47	1.47	1.33
1	6U	149	THR	C-N	9.47	1.47	1.33
1	6Y	149	THR	C-N	9.47	1.47	1.33
1	7E	149	THR	C-N	9.47	1.47	1.33
1	7I	149	THR	C-N	9.47	1.47	1.33
1	7Q	149	THR	C-N	9.47	1.47	1.33
1	7U	149	THR	C-N	9.47	1.47	1.33
1	12	149	THR	C-N	9.46	1.47	1.33
1	16	149	THR	C-N	9.46	1.47	1.33
1	2A	149	THR	C-N	9.46	1.47	1.33
1	3Q	149	THR	C-N	9.46	1.47	1.33
1	3U	149	THR	C-N	9.46	1.47	1.33
1	3Y	149	THR	C-N	9.46	1.47	1.33
1	5E	149	THR	C-N	9.46	1.47	1.33
1	5I	149	THR	C-N	9.46	1.47	1.33
1	5M	149	THR	C-N	9.46	1.47	1.33
1	62	149	THR	C-N	9.46	1.47	1.33
1	66	149	THR	C-N	9.46	1.47	1.33
1	7A	149	THR	C-N	9.46	1.47	1.33
1	1Q	149	THR	C-N	9.46	1.47	1.33
1	1U	149	THR	C-N	9.46	1.47	1.33
1	1Y	149	THR	C-N	9.46	1.47	1.33
1	2Q	149	THR	C-N	9.46	1.47	1.33
1	2U	149	THR	C-N	9.46	1.47	1.33
1	2Y	149	THR	C-N	9.46	1.47	1.33
1	42	149	THR	C-N	9.46	1.47	1.33
1	46	149	THR	C-N	9.46	1.47	1.33
1	5A	149	THR	C-N	9.46	1.47	1.33
1	52	149	THR	C-N	9.46	1.47	1.33
1	56	149	THR	C-N	9.46	1.47	1.33
1	6A	149	THR	C-N	9.46	1.47	1.33
2	1F	7	ASN	CG-ND2	9.46	1.53	1.33
2	2N	7	ASN	CG-ND2	9.46	1.53	1.33
2	23	7	ASN	CG-ND2	9.46	1.53	1.33
2	3N	7	ASN	CG-ND2	9.46	1.53	1.33
2	37	7	ASN	CG-ND2	9.46	1.53	1.33
2	4J	7	ASN	CG-ND2	9.46	1.53	1.33
2	4R	7	ASN	CG-ND2	9.46	1.53	1.33
2	5Z	7	ASN	CG-ND2	9.46	1.53	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	7	ASN	CG-ND2	9.46	1.53	1.33
2	6Z	7	ASN	CG-ND2	9.46	1.53	1.33
2	7J	7	ASN	CG-ND2	9.46	1.53	1.33
2	7V	7	ASN	CG-ND2	9.46	1.53	1.33
2	1F	41	PHE	CG-CD2	9.45	1.58	1.38
2	2N	41	PHE	CG-CD2	9.45	1.58	1.38
2	23	41	PHE	CG-CD2	9.45	1.58	1.38
2	3N	41	PHE	CG-CD2	9.45	1.58	1.38
2	37	41	PHE	CG-CD2	9.45	1.58	1.38
2	4J	41	PHE	CG-CD2	9.45	1.58	1.38
2	4R	41	PHE	CG-CD2	9.45	1.58	1.38
2	5Z	41	PHE	CG-CD2	9.45	1.58	1.38
2	6F	41	PHE	CG-CD2	9.45	1.58	1.38
2	6Z	41	PHE	CG-CD2	9.45	1.58	1.38
2	7J	41	PHE	CG-CD2	9.45	1.58	1.38
2	7V	41	PHE	CG-CD2	9.45	1.58	1.38
2	1N	41	PHE	CG-CD2	9.45	1.58	1.38
2	2J	41	PHE	CG-CD2	9.45	1.58	1.38
2	3B	41	PHE	CG-CD2	9.45	1.58	1.38
2	3J	41	PHE	CG-CD2	9.45	1.58	1.38
2	33	41	PHE	CG-CD2	9.45	1.58	1.38
2	4F	41	PHE	CG-CD2	9.45	1.58	1.38
2	4Z	41	PHE	CG-CD2	9.45	1.58	1.38
2	5V	41	PHE	CG-CD2	9.45	1.58	1.38
2	6N	41	PHE	CG-CD2	9.45	1.58	1.38
2	6V	41	PHE	CG-CD2	9.45	1.58	1.38
2	7F	41	PHE	CG-CD2	9.45	1.58	1.38
2	7R	41	PHE	CG-CD2	9.45	1.58	1.38
2	1B	7	ASN	CG-ND2	9.44	1.53	1.33
2	1J	7	ASN	CG-ND2	9.44	1.53	1.33
2	2F	7	ASN	CG-ND2	9.44	1.53	1.33
2	27	7	ASN	CG-ND2	9.44	1.53	1.33
2	3F	7	ASN	CG-ND2	9.44	1.53	1.33
2	4B	7	ASN	CG-ND2	9.44	1.53	1.33
2	4N	7	ASN	CG-ND2	9.44	1.53	1.33
2	4V	7	ASN	CG-ND2	9.44	1.53	1.33
2	5R	7	ASN	CG-ND2	9.44	1.53	1.33
2	6J	7	ASN	CG-ND2	9.44	1.53	1.33
2	6R	7	ASN	CG-ND2	9.44	1.53	1.33
2	7N	7	ASN	CG-ND2	9.44	1.53	1.33
1	1M	76	TYR	C-N	-9.44	1.18	1.33
1	12	76	TYR	C-N	-9.44	1.18	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	16	76	TYR	C-N	-9.44	1.18	1.33
1	2A	76	TYR	C-N	-9.44	1.18	1.33
1	2I	76	TYR	C-N	-9.44	1.18	1.33
1	3A	76	TYR	C-N	-9.44	1.18	1.33
1	3I	76	TYR	C-N	-9.44	1.18	1.33
1	3Q	76	TYR	C-N	-9.44	1.18	1.33
1	3U	76	TYR	C-N	-9.44	1.18	1.33
1	3Y	76	TYR	C-N	-9.44	1.18	1.33
1	32	76	TYR	C-N	-9.44	1.18	1.33
1	4E	76	TYR	C-N	-9.44	1.18	1.33
1	4Y	76	TYR	C-N	-9.44	1.18	1.33
1	5E	76	TYR	C-N	-9.44	1.18	1.33
1	5I	76	TYR	C-N	-9.44	1.18	1.33
1	5M	76	TYR	C-N	-9.44	1.18	1.33
1	5U	76	TYR	C-N	-9.44	1.18	1.33
1	6M	76	TYR	C-N	-9.44	1.18	1.33
1	6U	76	TYR	C-N	-9.44	1.18	1.33
1	62	76	TYR	C-N	-9.44	1.18	1.33
1	66	76	TYR	C-N	-9.44	1.18	1.33
1	7A	76	TYR	C-N	-9.44	1.18	1.33
1	7E	76	TYR	C-N	-9.44	1.18	1.33
1	7Q	76	TYR	C-N	-9.44	1.18	1.33
1	1E	76	TYR	C-N	-9.44	1.18	1.33
1	2M	76	TYR	C-N	-9.44	1.18	1.33
1	22	76	TYR	C-N	-9.44	1.18	1.33
1	3M	76	TYR	C-N	-9.44	1.18	1.33
1	36	76	TYR	C-N	-9.44	1.18	1.33
1	4I	76	TYR	C-N	-9.44	1.18	1.33
1	4Q	76	TYR	C-N	-9.44	1.18	1.33
1	5Y	76	TYR	C-N	-9.44	1.18	1.33
1	6E	76	TYR	C-N	-9.44	1.18	1.33
1	6Y	76	TYR	C-N	-9.44	1.18	1.33
1	7I	76	TYR	C-N	-9.44	1.18	1.33
1	7U	76	TYR	C-N	-9.44	1.18	1.33
2	13	41	PHE	CG-CD2	9.43	1.58	1.38
2	17	41	PHE	CG-CD2	9.43	1.58	1.38
2	2B	41	PHE	CG-CD2	9.43	1.58	1.38
2	3R	41	PHE	CG-CD2	9.43	1.58	1.38
2	3V	41	PHE	CG-CD2	9.43	1.58	1.38
2	3Z	41	PHE	CG-CD2	9.43	1.58	1.38
2	5F	41	PHE	CG-CD2	9.43	1.58	1.38
2	5J	41	PHE	CG-CD2	9.43	1.58	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	41	PHE	CG-CD2	9.43	1.58	1.38
2	63	41	PHE	CG-CD2	9.43	1.58	1.38
2	67	41	PHE	CG-CD2	9.43	1.58	1.38
2	7B	41	PHE	CG-CD2	9.43	1.58	1.38
1	1A	76	TYR	C-N	-9.43	1.18	1.33
1	1I	76	TYR	C-N	-9.43	1.18	1.33
1	2E	76	TYR	C-N	-9.43	1.18	1.33
1	26	76	TYR	C-N	-9.43	1.18	1.33
1	3E	76	TYR	C-N	-9.43	1.18	1.33
1	4A	76	TYR	C-N	-9.43	1.18	1.33
1	4M	76	TYR	C-N	-9.43	1.18	1.33
1	4U	76	TYR	C-N	-9.43	1.18	1.33
1	5Q	76	TYR	C-N	-9.43	1.18	1.33
1	6I	76	TYR	C-N	-9.43	1.18	1.33
1	6Q	76	TYR	C-N	-9.43	1.18	1.33
1	7M	76	TYR	C-N	-9.43	1.18	1.33
2	1R	41	PHE	CG-CD2	9.43	1.58	1.38
2	1V	41	PHE	CG-CD2	9.43	1.58	1.38
2	1Z	41	PHE	CG-CD2	9.43	1.58	1.38
2	2R	41	PHE	CG-CD2	9.43	1.58	1.38
2	2V	41	PHE	CG-CD2	9.43	1.58	1.38
2	2Z	41	PHE	CG-CD2	9.43	1.58	1.38
2	43	41	PHE	CG-CD2	9.43	1.58	1.38
2	47	41	PHE	CG-CD2	9.43	1.58	1.38
2	5B	41	PHE	CG-CD2	9.43	1.58	1.38
2	53	41	PHE	CG-CD2	9.43	1.58	1.38
2	57	41	PHE	CG-CD2	9.43	1.58	1.38
2	6B	41	PHE	CG-CD2	9.43	1.58	1.38
2	1B	41	PHE	CG-CD2	9.42	1.58	1.38
2	1J	41	PHE	CG-CD2	9.42	1.58	1.38
2	2F	41	PHE	CG-CD2	9.42	1.58	1.38
2	27	41	PHE	CG-CD2	9.42	1.58	1.38
2	3F	41	PHE	CG-CD2	9.42	1.58	1.38
2	4B	41	PHE	CG-CD2	9.42	1.58	1.38
2	4N	41	PHE	CG-CD2	9.42	1.58	1.38
2	4V	41	PHE	CG-CD2	9.42	1.58	1.38
2	5R	41	PHE	CG-CD2	9.42	1.58	1.38
2	6J	41	PHE	CG-CD2	9.42	1.58	1.38
2	6R	41	PHE	CG-CD2	9.42	1.58	1.38
2	7N	41	PHE	CG-CD2	9.42	1.58	1.38
2	1N	7	ASN	CG-ND2	9.42	1.53	1.33
2	2J	7	ASN	CG-ND2	9.42	1.53	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	7	ASN	CG-ND2	9.42	1.53	1.33
2	3J	7	ASN	CG-ND2	9.42	1.53	1.33
2	33	7	ASN	CG-ND2	9.42	1.53	1.33
2	4F	7	ASN	CG-ND2	9.42	1.53	1.33
2	4Z	7	ASN	CG-ND2	9.42	1.53	1.33
2	5V	7	ASN	CG-ND2	9.42	1.53	1.33
2	6N	7	ASN	CG-ND2	9.42	1.53	1.33
2	6V	7	ASN	CG-ND2	9.42	1.53	1.33
2	7F	7	ASN	CG-ND2	9.42	1.53	1.33
2	7R	7	ASN	CG-ND2	9.42	1.53	1.33
1	1M	150	TYR	C-N	9.41	1.41	1.33
1	2I	150	TYR	C-N	9.41	1.41	1.33
1	3A	150	TYR	C-N	9.41	1.41	1.33
1	3I	150	TYR	C-N	9.41	1.41	1.33
1	32	150	TYR	C-N	9.41	1.41	1.33
1	4E	150	TYR	C-N	9.41	1.41	1.33
1	4Y	150	TYR	C-N	9.41	1.41	1.33
1	5U	150	TYR	C-N	9.41	1.41	1.33
1	6M	150	TYR	C-N	9.41	1.41	1.33
1	6U	150	TYR	C-N	9.41	1.41	1.33
1	7E	150	TYR	C-N	9.41	1.41	1.33
1	7Q	150	TYR	C-N	9.41	1.41	1.33
2	1R	7	ASN	CG-ND2	9.41	1.53	1.33
2	1V	7	ASN	CG-ND2	9.41	1.53	1.33
2	1Z	7	ASN	CG-ND2	9.41	1.53	1.33
2	2R	7	ASN	CG-ND2	9.41	1.53	1.33
2	2V	7	ASN	CG-ND2	9.41	1.53	1.33
2	2Z	7	ASN	CG-ND2	9.41	1.53	1.33
2	43	7	ASN	CG-ND2	9.41	1.53	1.33
2	47	7	ASN	CG-ND2	9.41	1.53	1.33
2	5B	7	ASN	CG-ND2	9.41	1.53	1.33
2	53	7	ASN	CG-ND2	9.41	1.53	1.33
2	57	7	ASN	CG-ND2	9.41	1.53	1.33
2	6B	7	ASN	CG-ND2	9.41	1.53	1.33
1	1Q	150	TYR	C-N	9.39	1.41	1.33
1	1U	150	TYR	C-N	9.39	1.41	1.33
1	1Y	150	TYR	C-N	9.39	1.41	1.33
1	2Q	150	TYR	C-N	9.39	1.41	1.33
1	2U	150	TYR	C-N	9.39	1.41	1.33
1	2Y	150	TYR	C-N	9.39	1.41	1.33
1	42	150	TYR	C-N	9.39	1.41	1.33
1	46	150	TYR	C-N	9.39	1.41	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	150	TYR	C-N	9.39	1.41	1.33
1	52	150	TYR	C-N	9.39	1.41	1.33
1	56	150	TYR	C-N	9.39	1.41	1.33
1	6A	150	TYR	C-N	9.39	1.41	1.33
1	12	7	GLN	CD-NE2	9.39	1.52	1.33
1	16	7	GLN	CD-NE2	9.39	1.52	1.33
1	2A	7	GLN	CD-NE2	9.39	1.52	1.33
1	3Q	7	GLN	CD-NE2	9.39	1.52	1.33
1	3U	7	GLN	CD-NE2	9.39	1.52	1.33
1	3Y	7	GLN	CD-NE2	9.39	1.52	1.33
1	5E	7	GLN	CD-NE2	9.39	1.52	1.33
1	5I	7	GLN	CD-NE2	9.39	1.52	1.33
1	5M	7	GLN	CD-NE2	9.39	1.52	1.33
1	62	7	GLN	CD-NE2	9.39	1.52	1.33
1	66	7	GLN	CD-NE2	9.39	1.52	1.33
1	7A	7	GLN	CD-NE2	9.39	1.52	1.33
1	1E	7	GLN	CD-NE2	9.39	1.52	1.33
1	1Q	7	GLN	CD-NE2	9.39	1.52	1.33
2	1R	57	LYS	CE-NZ	-9.39	1.21	1.49
1	1U	7	GLN	CD-NE2	9.39	1.52	1.33
2	1V	57	LYS	CE-NZ	-9.39	1.21	1.49
1	1Y	7	GLN	CD-NE2	9.39	1.52	1.33
2	1Z	57	LYS	CE-NZ	-9.39	1.21	1.49
1	2M	7	GLN	CD-NE2	9.39	1.52	1.33
1	2Q	7	GLN	CD-NE2	9.39	1.52	1.33
2	2R	57	LYS	CE-NZ	-9.39	1.21	1.49
1	2U	7	GLN	CD-NE2	9.39	1.52	1.33
2	2V	57	LYS	CE-NZ	-9.39	1.21	1.49
1	2Y	7	GLN	CD-NE2	9.39	1.52	1.33
2	2Z	57	LYS	CE-NZ	-9.39	1.21	1.49
1	22	7	GLN	CD-NE2	9.39	1.52	1.33
1	3M	7	GLN	CD-NE2	9.39	1.52	1.33
1	36	7	GLN	CD-NE2	9.39	1.52	1.33
1	4I	7	GLN	CD-NE2	9.39	1.52	1.33
1	4Q	7	GLN	CD-NE2	9.39	1.52	1.33
1	42	7	GLN	CD-NE2	9.39	1.52	1.33
2	43	57	LYS	CE-NZ	-9.39	1.21	1.49
1	46	7	GLN	CD-NE2	9.39	1.52	1.33
2	47	57	LYS	CE-NZ	-9.39	1.21	1.49
1	5A	7	GLN	CD-NE2	9.39	1.52	1.33
2	5B	57	LYS	CE-NZ	-9.39	1.21	1.49
1	5Y	7	GLN	CD-NE2	9.39	1.52	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	52	7	GLN	CD-NE2	9.39	1.52	1.33
2	53	57	LYS	CE-NZ	-9.39	1.21	1.49
1	56	7	GLN	CD-NE2	9.39	1.52	1.33
2	57	57	LYS	CE-NZ	-9.39	1.21	1.49
1	6A	7	GLN	CD-NE2	9.39	1.52	1.33
2	6B	57	LYS	CE-NZ	-9.39	1.21	1.49
1	6E	7	GLN	CD-NE2	9.39	1.52	1.33
1	6Y	7	GLN	CD-NE2	9.39	1.52	1.33
1	7I	7	GLN	CD-NE2	9.39	1.52	1.33
1	7U	7	GLN	CD-NE2	9.39	1.52	1.33
1	1A	7	GLN	CD-NE2	9.39	1.52	1.33
1	1I	7	GLN	CD-NE2	9.39	1.52	1.33
1	1M	7	GLN	CD-NE2	9.39	1.52	1.33
1	2E	7	GLN	CD-NE2	9.39	1.52	1.33
1	2I	7	GLN	CD-NE2	9.39	1.52	1.33
1	26	7	GLN	CD-NE2	9.39	1.52	1.33
1	3A	7	GLN	CD-NE2	9.39	1.52	1.33
1	3E	7	GLN	CD-NE2	9.39	1.52	1.33
1	3I	7	GLN	CD-NE2	9.39	1.52	1.33
1	32	7	GLN	CD-NE2	9.39	1.52	1.33
1	4A	7	GLN	CD-NE2	9.39	1.52	1.33
1	4E	7	GLN	CD-NE2	9.39	1.52	1.33
1	4M	7	GLN	CD-NE2	9.39	1.52	1.33
1	4U	7	GLN	CD-NE2	9.39	1.52	1.33
1	4Y	7	GLN	CD-NE2	9.39	1.52	1.33
1	5Q	7	GLN	CD-NE2	9.39	1.52	1.33
1	5U	7	GLN	CD-NE2	9.39	1.52	1.33
1	6I	7	GLN	CD-NE2	9.39	1.52	1.33
1	6M	7	GLN	CD-NE2	9.39	1.52	1.33
1	6Q	7	GLN	CD-NE2	9.39	1.52	1.33
1	6U	7	GLN	CD-NE2	9.39	1.52	1.33
1	7E	7	GLN	CD-NE2	9.39	1.52	1.33
1	7M	7	GLN	CD-NE2	9.39	1.52	1.33
1	7Q	7	GLN	CD-NE2	9.39	1.52	1.33
2	1F	57	LYS	CE-NZ	-9.38	1.21	1.49
2	2N	57	LYS	CE-NZ	-9.38	1.21	1.49
2	23	57	LYS	CE-NZ	-9.38	1.21	1.49
2	3N	57	LYS	CE-NZ	-9.38	1.21	1.49
2	37	57	LYS	CE-NZ	-9.38	1.21	1.49
2	4J	57	LYS	CE-NZ	-9.38	1.21	1.49
2	4R	57	LYS	CE-NZ	-9.38	1.21	1.49
2	5Z	57	LYS	CE-NZ	-9.38	1.21	1.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	57	LYS	CE-NZ	-9.38	1.21	1.49
2	6Z	57	LYS	CE-NZ	-9.38	1.21	1.49
2	7J	57	LYS	CE-NZ	-9.38	1.21	1.49
2	7V	57	LYS	CE-NZ	-9.38	1.21	1.49
2	1N	39	ASP	CA-C	9.37	1.63	1.52
2	2J	39	ASP	CA-C	9.37	1.63	1.52
2	3B	39	ASP	CA-C	9.37	1.63	1.52
2	3J	39	ASP	CA-C	9.37	1.63	1.52
2	33	39	ASP	CA-C	9.37	1.63	1.52
2	4F	39	ASP	CA-C	9.37	1.63	1.52
2	4Z	39	ASP	CA-C	9.37	1.63	1.52
2	5V	39	ASP	CA-C	9.37	1.63	1.52
2	6N	39	ASP	CA-C	9.37	1.63	1.52
2	6V	39	ASP	CA-C	9.37	1.63	1.52
2	7F	39	ASP	CA-C	9.37	1.63	1.52
2	7R	39	ASP	CA-C	9.37	1.63	1.52
1	1Q	68	SER	N-CA	9.37	1.58	1.45
1	1U	68	SER	N-CA	9.37	1.58	1.45
1	1Y	68	SER	N-CA	9.37	1.58	1.45
1	2Q	68	SER	N-CA	9.37	1.58	1.45
1	2U	68	SER	N-CA	9.37	1.58	1.45
1	2Y	68	SER	N-CA	9.37	1.58	1.45
1	42	68	SER	N-CA	9.37	1.58	1.45
1	46	68	SER	N-CA	9.37	1.58	1.45
1	5A	68	SER	N-CA	9.37	1.58	1.45
1	52	68	SER	N-CA	9.37	1.58	1.45
1	56	68	SER	N-CA	9.37	1.58	1.45
1	6A	68	SER	N-CA	9.37	1.58	1.45
2	1B	57	LYS	CE-NZ	-9.37	1.21	1.49
2	1J	57	LYS	CE-NZ	-9.37	1.21	1.49
2	2F	57	LYS	CE-NZ	-9.37	1.21	1.49
2	27	57	LYS	CE-NZ	-9.37	1.21	1.49
2	3F	57	LYS	CE-NZ	-9.37	1.21	1.49
2	4B	57	LYS	CE-NZ	-9.37	1.21	1.49
2	4N	57	LYS	CE-NZ	-9.37	1.21	1.49
2	4V	57	LYS	CE-NZ	-9.37	1.21	1.49
2	5R	57	LYS	CE-NZ	-9.37	1.21	1.49
2	6J	57	LYS	CE-NZ	-9.37	1.21	1.49
2	6R	57	LYS	CE-NZ	-9.37	1.21	1.49
2	7N	57	LYS	CE-NZ	-9.37	1.21	1.49
1	1E	68	SER	N-CA	9.36	1.58	1.45
2	1N	57	LYS	CE-NZ	-9.36	1.21	1.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Q	22	HIS	C-N	-9.36	1.19	1.33
1	1U	22	HIS	C-N	-9.36	1.19	1.33
1	1Y	22	HIS	C-N	-9.36	1.19	1.33
2	13	57	LYS	CE-NZ	-9.36	1.21	1.49
2	17	57	LYS	CE-NZ	-9.36	1.21	1.49
2	2B	57	LYS	CE-NZ	-9.36	1.21	1.49
2	2J	57	LYS	CE-NZ	-9.36	1.21	1.49
1	2M	68	SER	N-CA	9.36	1.58	1.45
1	2Q	22	HIS	C-N	-9.36	1.19	1.33
1	2U	22	HIS	C-N	-9.36	1.19	1.33
1	2Y	22	HIS	C-N	-9.36	1.19	1.33
1	22	68	SER	N-CA	9.36	1.58	1.45
2	3B	57	LYS	CE-NZ	-9.36	1.21	1.49
2	3J	57	LYS	CE-NZ	-9.36	1.21	1.49
1	3M	68	SER	N-CA	9.36	1.58	1.45
2	3R	57	LYS	CE-NZ	-9.36	1.21	1.49
2	3V	57	LYS	CE-NZ	-9.36	1.21	1.49
2	3Z	57	LYS	CE-NZ	-9.36	1.21	1.49
2	33	57	LYS	CE-NZ	-9.36	1.21	1.49
1	36	68	SER	N-CA	9.36	1.58	1.45
2	4F	57	LYS	CE-NZ	-9.36	1.21	1.49
1	4I	68	SER	N-CA	9.36	1.58	1.45
1	4Q	68	SER	N-CA	9.36	1.58	1.45
2	4Z	57	LYS	CE-NZ	-9.36	1.21	1.49
1	42	22	HIS	C-N	-9.36	1.19	1.33
1	46	22	HIS	C-N	-9.36	1.19	1.33
1	5A	22	HIS	C-N	-9.36	1.19	1.33
2	5F	57	LYS	CE-NZ	-9.36	1.21	1.49
2	5J	57	LYS	CE-NZ	-9.36	1.21	1.49
2	5N	57	LYS	CE-NZ	-9.36	1.21	1.49
2	5V	57	LYS	CE-NZ	-9.36	1.21	1.49
1	5Y	68	SER	N-CA	9.36	1.58	1.45
1	52	22	HIS	C-N	-9.36	1.19	1.33
1	56	22	HIS	C-N	-9.36	1.19	1.33
1	6A	22	HIS	C-N	-9.36	1.19	1.33
1	6E	68	SER	N-CA	9.36	1.58	1.45
2	6N	57	LYS	CE-NZ	-9.36	1.21	1.49
2	6V	57	LYS	CE-NZ	-9.36	1.21	1.49
1	6Y	68	SER	N-CA	9.36	1.58	1.45
2	63	57	LYS	CE-NZ	-9.36	1.21	1.49
2	67	57	LYS	CE-NZ	-9.36	1.21	1.49
2	7B	57	LYS	CE-NZ	-9.36	1.21	1.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	7F	57	LYS	CE-NZ	-9.36	1.21	1.49
1	7I	68	SER	N-CA	9.36	1.58	1.45
2	7R	57	LYS	CE-NZ	-9.36	1.21	1.49
1	7U	68	SER	N-CA	9.36	1.58	1.45
2	1R	39	ASP	CA-C	9.35	1.63	1.52
2	1V	39	ASP	CA-C	9.35	1.63	1.52
2	1Z	39	ASP	CA-C	9.35	1.63	1.52
2	2R	39	ASP	CA-C	9.35	1.63	1.52
2	2V	39	ASP	CA-C	9.35	1.63	1.52
2	2Z	39	ASP	CA-C	9.35	1.63	1.52
2	43	39	ASP	CA-C	9.35	1.63	1.52
2	47	39	ASP	CA-C	9.35	1.63	1.52
2	5B	39	ASP	CA-C	9.35	1.63	1.52
2	53	39	ASP	CA-C	9.35	1.63	1.52
2	57	39	ASP	CA-C	9.35	1.63	1.52
2	6B	39	ASP	CA-C	9.35	1.63	1.52
1	12	20	GLU	CG-CD	9.35	1.75	1.52
1	16	20	GLU	CG-CD	9.35	1.75	1.52
1	2A	20	GLU	CG-CD	9.35	1.75	1.52
1	3Q	20	GLU	CG-CD	9.35	1.75	1.52
1	3U	20	GLU	CG-CD	9.35	1.75	1.52
1	3Y	20	GLU	CG-CD	9.35	1.75	1.52
1	5E	20	GLU	CG-CD	9.35	1.75	1.52
1	5I	20	GLU	CG-CD	9.35	1.75	1.52
1	5M	20	GLU	CG-CD	9.35	1.75	1.52
1	62	20	GLU	CG-CD	9.35	1.75	1.52
1	66	20	GLU	CG-CD	9.35	1.75	1.52
1	7A	20	GLU	CG-CD	9.35	1.75	1.52
1	1M	22	HIS	C-N	-9.34	1.19	1.33
1	2I	22	HIS	C-N	-9.34	1.19	1.33
1	3A	22	HIS	C-N	-9.34	1.19	1.33
1	3I	22	HIS	C-N	-9.34	1.19	1.33
1	32	22	HIS	C-N	-9.34	1.19	1.33
1	4E	22	HIS	C-N	-9.34	1.19	1.33
1	4Y	22	HIS	C-N	-9.34	1.19	1.33
1	5U	22	HIS	C-N	-9.34	1.19	1.33
1	6M	22	HIS	C-N	-9.34	1.19	1.33
1	6U	22	HIS	C-N	-9.34	1.19	1.33
1	7E	22	HIS	C-N	-9.34	1.19	1.33
1	7Q	22	HIS	C-N	-9.34	1.19	1.33
1	1E	20	GLU	CG-CD	9.34	1.75	1.52
2	1F	39	ASP	CA-C	9.34	1.63	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2M	20	GLU	CG-CD	9.34	1.75	1.52
2	2N	39	ASP	CA-C	9.34	1.63	1.52
1	22	20	GLU	CG-CD	9.34	1.75	1.52
2	23	39	ASP	CA-C	9.34	1.63	1.52
1	3M	20	GLU	CG-CD	9.34	1.75	1.52
2	3N	39	ASP	CA-C	9.34	1.63	1.52
1	36	20	GLU	CG-CD	9.34	1.75	1.52
2	37	39	ASP	CA-C	9.34	1.63	1.52
1	4I	20	GLU	CG-CD	9.34	1.75	1.52
2	4J	39	ASP	CA-C	9.34	1.63	1.52
1	4Q	20	GLU	CG-CD	9.34	1.75	1.52
2	4R	39	ASP	CA-C	9.34	1.63	1.52
1	5Y	20	GLU	CG-CD	9.34	1.75	1.52
2	5Z	39	ASP	CA-C	9.34	1.63	1.52
1	6E	20	GLU	CG-CD	9.34	1.75	1.52
2	6F	39	ASP	CA-C	9.34	1.63	1.52
1	6Y	20	GLU	CG-CD	9.34	1.75	1.52
2	6Z	39	ASP	CA-C	9.34	1.63	1.52
1	7I	20	GLU	CG-CD	9.34	1.75	1.52
2	7J	39	ASP	CA-C	9.34	1.63	1.52
1	7U	20	GLU	CG-CD	9.34	1.75	1.52
2	7V	39	ASP	CA-C	9.34	1.63	1.52
2	1B	215	GLN	CD-NE2	9.34	1.52	1.33
1	1E	22	HIS	C-N	-9.34	1.19	1.33
2	1J	215	GLN	CD-NE2	9.34	1.52	1.33
2	13	215	GLN	CD-NE2	9.34	1.52	1.33
2	17	215	GLN	CD-NE2	9.34	1.52	1.33
2	2B	215	GLN	CD-NE2	9.34	1.52	1.33
2	2F	215	GLN	CD-NE2	9.34	1.52	1.33
1	2M	22	HIS	C-N	-9.34	1.19	1.33
1	22	22	HIS	C-N	-9.34	1.19	1.33
2	27	215	GLN	CD-NE2	9.34	1.52	1.33
2	3F	215	GLN	CD-NE2	9.34	1.52	1.33
1	3M	22	HIS	C-N	-9.34	1.19	1.33
2	3R	215	GLN	CD-NE2	9.34	1.52	1.33
2	3V	215	GLN	CD-NE2	9.34	1.52	1.33
2	3Z	215	GLN	CD-NE2	9.34	1.52	1.33
1	36	22	HIS	C-N	-9.34	1.19	1.33
2	4B	215	GLN	CD-NE2	9.34	1.52	1.33
1	4I	22	HIS	C-N	-9.34	1.19	1.33
2	4N	215	GLN	CD-NE2	9.34	1.52	1.33
1	4Q	22	HIS	C-N	-9.34	1.19	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4V	215	GLN	CD-NE2	9.34	1.52	1.33
2	5F	215	GLN	CD-NE2	9.34	1.52	1.33
2	5J	215	GLN	CD-NE2	9.34	1.52	1.33
2	5N	215	GLN	CD-NE2	9.34	1.52	1.33
2	5R	215	GLN	CD-NE2	9.34	1.52	1.33
1	5Y	22	HIS	C-N	-9.34	1.19	1.33
1	6E	22	HIS	C-N	-9.34	1.19	1.33
2	6J	215	GLN	CD-NE2	9.34	1.52	1.33
2	6R	215	GLN	CD-NE2	9.34	1.52	1.33
1	6Y	22	HIS	C-N	-9.34	1.19	1.33
2	63	215	GLN	CD-NE2	9.34	1.52	1.33
2	67	215	GLN	CD-NE2	9.34	1.52	1.33
2	7B	215	GLN	CD-NE2	9.34	1.52	1.33
1	7I	22	HIS	C-N	-9.34	1.19	1.33
2	7N	215	GLN	CD-NE2	9.34	1.52	1.33
1	7U	22	HIS	C-N	-9.34	1.19	1.33
1	1M	15	SER	CA-C	9.34	1.65	1.53
1	2I	15	SER	CA-C	9.34	1.65	1.53
1	3A	15	SER	CA-C	9.34	1.65	1.53
1	3I	15	SER	CA-C	9.34	1.65	1.53
1	32	15	SER	CA-C	9.34	1.65	1.53
1	4E	15	SER	CA-C	9.34	1.65	1.53
1	4Y	15	SER	CA-C	9.34	1.65	1.53
1	5U	15	SER	CA-C	9.34	1.65	1.53
1	6M	15	SER	CA-C	9.34	1.65	1.53
1	6U	15	SER	CA-C	9.34	1.65	1.53
1	7E	15	SER	CA-C	9.34	1.65	1.53
1	7Q	15	SER	CA-C	9.34	1.65	1.53
1	1A	20	GLU	CG-CD	9.33	1.75	1.52
1	1I	20	GLU	CG-CD	9.33	1.75	1.52
1	1Q	15	SER	CA-C	9.33	1.65	1.53
1	1U	15	SER	CA-C	9.33	1.65	1.53
1	1Y	15	SER	CA-C	9.33	1.65	1.53
1	2Q	15	SER	CA-C	9.33	1.65	1.53
1	1A	15	SER	CA-C	9.33	1.65	1.53
1	1I	15	SER	CA-C	9.33	1.65	1.53
1	12	15	SER	CA-C	9.33	1.65	1.53
1	16	15	SER	CA-C	9.33	1.65	1.53
1	2A	15	SER	CA-C	9.33	1.65	1.53
1	2E	20	GLU	CG-CD	9.33	1.75	1.52
1	2U	15	SER	CA-C	9.33	1.65	1.53
1	2Y	15	SER	CA-C	9.33	1.65	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	26	20	GLU	CG-CD	9.33	1.75	1.52
1	3E	20	GLU	CG-CD	9.33	1.75	1.52
1	4A	20	GLU	CG-CD	9.33	1.75	1.52
1	6I	20	GLU	CG-CD	9.33	1.75	1.52
1	2E	15	SER	CA-C	9.33	1.65	1.53
1	26	15	SER	CA-C	9.33	1.65	1.53
1	3E	15	SER	CA-C	9.33	1.65	1.53
1	3Q	15	SER	CA-C	9.33	1.65	1.53
1	3U	15	SER	CA-C	9.33	1.65	1.53
1	3Y	15	SER	CA-C	9.33	1.65	1.53
1	4M	20	GLU	CG-CD	9.33	1.75	1.52
1	4U	20	GLU	CG-CD	9.33	1.75	1.52
1	42	15	SER	CA-C	9.33	1.65	1.53
1	46	15	SER	CA-C	9.33	1.65	1.53
1	5A	15	SER	CA-C	9.33	1.65	1.53
1	5Q	20	GLU	CG-CD	9.33	1.75	1.52
1	52	15	SER	CA-C	9.33	1.65	1.53
1	4A	15	SER	CA-C	9.33	1.65	1.53
1	4M	15	SER	CA-C	9.33	1.65	1.53
1	4U	15	SER	CA-C	9.33	1.65	1.53
1	5E	15	SER	CA-C	9.33	1.65	1.53
1	5I	15	SER	CA-C	9.33	1.65	1.53
1	5M	15	SER	CA-C	9.33	1.65	1.53
1	56	15	SER	CA-C	9.33	1.65	1.53
1	6A	15	SER	CA-C	9.33	1.65	1.53
1	6Q	20	GLU	CG-CD	9.33	1.75	1.52
1	5Q	15	SER	CA-C	9.33	1.65	1.53
1	6I	15	SER	CA-C	9.33	1.65	1.53
1	6Q	15	SER	CA-C	9.33	1.65	1.53
1	62	15	SER	CA-C	9.33	1.65	1.53
1	66	15	SER	CA-C	9.33	1.65	1.53
1	7A	15	SER	CA-C	9.33	1.65	1.53
1	7M	20	GLU	CG-CD	9.33	1.75	1.52
1	7M	15	SER	CA-C	9.33	1.65	1.53
1	1E	15	SER	CA-C	9.33	1.65	1.53
2	1F	229	ASN	N-CA	-9.33	1.28	1.46
1	22	15	SER	CA-C	9.33	1.65	1.53
2	23	229	ASN	N-CA	-9.33	1.28	1.46
1	3M	15	SER	CA-C	9.33	1.65	1.53
2	3N	229	ASN	N-CA	-9.33	1.28	1.46
2	4J	229	ASN	N-CA	-9.33	1.28	1.46
1	6E	15	SER	CA-C	9.33	1.65	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1R	215	GLN	CD-NE2	9.33	1.52	1.33
2	1V	215	GLN	CD-NE2	9.33	1.52	1.33
2	1Z	215	GLN	CD-NE2	9.33	1.52	1.33
2	13	39	ASP	CA-C	9.33	1.63	1.52
2	17	39	ASP	CA-C	9.33	1.63	1.52
2	2B	39	ASP	CA-C	9.33	1.63	1.52
1	2M	15	SER	CA-C	9.33	1.65	1.53
2	2N	229	ASN	N-CA	-9.33	1.28	1.46
2	7V	229	ASN	N-CA	-9.33	1.28	1.46
2	2R	215	GLN	CD-NE2	9.33	1.52	1.33
2	2V	215	GLN	CD-NE2	9.33	1.52	1.33
2	2Z	215	GLN	CD-NE2	9.33	1.52	1.33
2	3R	39	ASP	CA-C	9.33	1.63	1.52
2	3V	39	ASP	CA-C	9.33	1.63	1.52
2	3Z	39	ASP	CA-C	9.33	1.63	1.52
1	36	15	SER	CA-C	9.33	1.65	1.53
2	37	229	ASN	N-CA	-9.33	1.28	1.46
1	4I	15	SER	CA-C	9.33	1.65	1.53
1	4Q	15	SER	CA-C	9.33	1.65	1.53
2	4R	229	ASN	N-CA	-9.33	1.28	1.46
1	5Y	15	SER	CA-C	9.33	1.65	1.53
1	6Y	15	SER	CA-C	9.33	1.65	1.53
2	6Z	229	ASN	N-CA	-9.33	1.28	1.46
2	43	215	GLN	CD-NE2	9.33	1.52	1.33
2	47	215	GLN	CD-NE2	9.33	1.52	1.33
2	5B	215	GLN	CD-NE2	9.33	1.52	1.33
2	5F	39	ASP	CA-C	9.33	1.63	1.52
2	5J	39	ASP	CA-C	9.33	1.63	1.52
2	5N	39	ASP	CA-C	9.33	1.63	1.52
2	5Z	229	ASN	N-CA	-9.33	1.28	1.46
2	6F	229	ASN	N-CA	-9.33	1.28	1.46
2	7J	229	ASN	N-CA	-9.33	1.28	1.46
2	53	215	GLN	CD-NE2	9.33	1.52	1.33
2	57	215	GLN	CD-NE2	9.33	1.52	1.33
2	6B	215	GLN	CD-NE2	9.33	1.52	1.33
2	63	39	ASP	CA-C	9.33	1.63	1.52
2	67	39	ASP	CA-C	9.33	1.63	1.52
2	7B	39	ASP	CA-C	9.33	1.63	1.52
1	7I	15	SER	CA-C	9.33	1.65	1.53
1	7U	15	SER	CA-C	9.33	1.65	1.53
2	13	229	ASN	N-CA	-9.33	1.28	1.46
2	17	229	ASN	N-CA	-9.33	1.28	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	229	ASN	N-CA	-9.33	1.28	1.46
2	3R	229	ASN	N-CA	-9.33	1.28	1.46
2	3V	229	ASN	N-CA	-9.33	1.28	1.46
2	3Z	229	ASN	N-CA	-9.33	1.28	1.46
2	5F	229	ASN	N-CA	-9.33	1.28	1.46
2	5J	229	ASN	N-CA	-9.33	1.28	1.46
2	5N	229	ASN	N-CA	-9.33	1.28	1.46
2	63	229	ASN	N-CA	-9.33	1.28	1.46
2	67	229	ASN	N-CA	-9.33	1.28	1.46
2	7B	229	ASN	N-CA	-9.33	1.28	1.46
1	1M	168	GLN	N-CA	-9.32	1.34	1.46
1	12	150	TYR	C-N	9.32	1.41	1.33
1	16	150	TYR	C-N	9.32	1.41	1.33
1	2A	150	TYR	C-N	9.32	1.41	1.33
1	2I	168	GLN	N-CA	-9.32	1.34	1.46
1	3A	168	GLN	N-CA	-9.32	1.34	1.46
1	3I	168	GLN	N-CA	-9.32	1.34	1.46
1	3Q	150	TYR	C-N	9.32	1.41	1.33
1	3U	150	TYR	C-N	9.32	1.41	1.33
1	3Y	150	TYR	C-N	9.32	1.41	1.33
1	32	168	GLN	N-CA	-9.32	1.34	1.46
1	4E	168	GLN	N-CA	-9.32	1.34	1.46
1	4Y	168	GLN	N-CA	-9.32	1.34	1.46
1	5E	150	TYR	C-N	9.32	1.41	1.33
1	5I	150	TYR	C-N	9.32	1.41	1.33
1	5M	150	TYR	C-N	9.32	1.41	1.33
1	5U	168	GLN	N-CA	-9.32	1.34	1.46
1	6M	168	GLN	N-CA	-9.32	1.34	1.46
1	6U	168	GLN	N-CA	-9.32	1.34	1.46
1	62	150	TYR	C-N	9.32	1.41	1.33
1	66	150	TYR	C-N	9.32	1.41	1.33
1	7A	150	TYR	C-N	9.32	1.41	1.33
1	7E	168	GLN	N-CA	-9.32	1.34	1.46
1	7Q	168	GLN	N-CA	-9.32	1.34	1.46
1	1A	150	TYR	C-N	9.32	1.41	1.33
1	1I	150	TYR	C-N	9.32	1.41	1.33
1	1M	20	GLU	CG-CD	9.32	1.75	1.52
1	2E	150	TYR	C-N	9.32	1.41	1.33
1	2I	20	GLU	CG-CD	9.32	1.75	1.52
1	26	150	TYR	C-N	9.32	1.41	1.33
1	3A	20	GLU	CG-CD	9.32	1.75	1.52
1	3E	150	TYR	C-N	9.32	1.41	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3I	20	GLU	CG-CD	9.32	1.75	1.52
1	32	20	GLU	CG-CD	9.32	1.75	1.52
1	4A	150	TYR	C-N	9.32	1.41	1.33
1	4E	20	GLU	CG-CD	9.32	1.75	1.52
1	4M	150	TYR	C-N	9.32	1.41	1.33
1	4U	150	TYR	C-N	9.32	1.41	1.33
1	4Y	20	GLU	CG-CD	9.32	1.75	1.52
1	5Q	150	TYR	C-N	9.32	1.41	1.33
1	5U	20	GLU	CG-CD	9.32	1.75	1.52
1	6I	150	TYR	C-N	9.32	1.41	1.33
1	6M	20	GLU	CG-CD	9.32	1.75	1.52
1	6Q	150	TYR	C-N	9.32	1.41	1.33
1	6U	20	GLU	CG-CD	9.32	1.75	1.52
1	7E	20	GLU	CG-CD	9.32	1.75	1.52
1	7M	150	TYR	C-N	9.32	1.41	1.33
1	7Q	20	GLU	CG-CD	9.32	1.75	1.52
1	1A	22	HIS	C-N	-9.32	1.19	1.33
2	1F	215	GLN	CD-NE2	9.32	1.52	1.33
1	1I	22	HIS	C-N	-9.32	1.19	1.33
2	1N	215	GLN	CD-NE2	9.32	1.52	1.33
1	1Q	9	PHE	N-CA	9.32	1.58	1.46
1	1U	9	PHE	N-CA	9.32	1.58	1.46
1	1Y	9	PHE	N-CA	9.32	1.58	1.46
1	2E	22	HIS	C-N	-9.32	1.19	1.33
2	2J	215	GLN	CD-NE2	9.32	1.52	1.33
2	2N	215	GLN	CD-NE2	9.32	1.52	1.33
1	2Q	9	PHE	N-CA	9.32	1.58	1.46
1	2U	9	PHE	N-CA	9.32	1.58	1.46
1	2Y	9	PHE	N-CA	9.32	1.58	1.46
2	23	215	GLN	CD-NE2	9.32	1.52	1.33
1	26	22	HIS	C-N	-9.32	1.19	1.33
2	3B	215	GLN	CD-NE2	9.32	1.52	1.33
1	3E	22	HIS	C-N	-9.32	1.19	1.33
2	3J	215	GLN	CD-NE2	9.32	1.52	1.33
2	3N	215	GLN	CD-NE2	9.32	1.52	1.33
2	33	215	GLN	CD-NE2	9.32	1.52	1.33
2	37	215	GLN	CD-NE2	9.32	1.52	1.33
1	4A	22	HIS	C-N	-9.32	1.19	1.33
2	4F	215	GLN	CD-NE2	9.32	1.52	1.33
2	4J	215	GLN	CD-NE2	9.32	1.52	1.33
1	4M	22	HIS	C-N	-9.32	1.19	1.33
2	4R	215	GLN	CD-NE2	9.32	1.52	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4U	22	HIS	C-N	-9.32	1.19	1.33
2	4Z	215	GLN	CD-NE2	9.32	1.52	1.33
1	42	9	PHE	N-CA	9.32	1.58	1.46
1	46	9	PHE	N-CA	9.32	1.58	1.46
1	5A	9	PHE	N-CA	9.32	1.58	1.46
1	5Q	22	HIS	C-N	-9.32	1.19	1.33
2	5V	215	GLN	CD-NE2	9.32	1.52	1.33
2	5Z	215	GLN	CD-NE2	9.32	1.52	1.33
1	52	9	PHE	N-CA	9.32	1.58	1.46
1	56	9	PHE	N-CA	9.32	1.58	1.46
1	6A	9	PHE	N-CA	9.32	1.58	1.46
2	6F	215	GLN	CD-NE2	9.32	1.52	1.33
1	6I	22	HIS	C-N	-9.32	1.19	1.33
2	6N	215	GLN	CD-NE2	9.32	1.52	1.33
1	6Q	22	HIS	C-N	-9.32	1.19	1.33
2	6V	215	GLN	CD-NE2	9.32	1.52	1.33
2	6Z	215	GLN	CD-NE2	9.32	1.52	1.33
2	7F	215	GLN	CD-NE2	9.32	1.52	1.33
2	7J	215	GLN	CD-NE2	9.32	1.52	1.33
1	7M	22	HIS	C-N	-9.32	1.19	1.33
2	7R	215	GLN	CD-NE2	9.32	1.52	1.33
2	7V	215	GLN	CD-NE2	9.32	1.52	1.33
2	1B	229	ASN	N-CA	-9.31	1.28	1.46
2	1J	229	ASN	N-CA	-9.31	1.28	1.46
2	2F	229	ASN	N-CA	-9.31	1.28	1.46
2	27	229	ASN	N-CA	-9.31	1.28	1.46
2	3F	229	ASN	N-CA	-9.31	1.28	1.46
2	4B	229	ASN	N-CA	-9.31	1.28	1.46
2	4N	229	ASN	N-CA	-9.31	1.28	1.46
2	4V	229	ASN	N-CA	-9.31	1.28	1.46
2	5R	229	ASN	N-CA	-9.31	1.28	1.46
2	6J	229	ASN	N-CA	-9.31	1.28	1.46
2	6R	229	ASN	N-CA	-9.31	1.28	1.46
2	7N	229	ASN	N-CA	-9.31	1.28	1.46
1	1A	68	SER	N-CA	9.31	1.58	1.45
1	1I	68	SER	N-CA	9.31	1.58	1.45
1	2E	68	SER	N-CA	9.31	1.58	1.45
1	26	68	SER	N-CA	9.31	1.58	1.45
1	3E	68	SER	N-CA	9.31	1.58	1.45
1	4A	68	SER	N-CA	9.31	1.58	1.45
1	4M	68	SER	N-CA	9.31	1.58	1.45
1	4U	68	SER	N-CA	9.31	1.58	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	68	SER	N-CA	9.31	1.58	1.45
1	6I	68	SER	N-CA	9.31	1.58	1.45
1	6Q	68	SER	N-CA	9.31	1.58	1.45
1	7M	68	SER	N-CA	9.31	1.58	1.45
2	1B	39	ASP	CA-C	9.31	1.63	1.52
2	1J	39	ASP	CA-C	9.31	1.63	1.52
1	1Q	20	GLU	CG-CD	9.31	1.75	1.52
1	1U	20	GLU	CG-CD	9.31	1.75	1.52
1	1Y	20	GLU	CG-CD	9.31	1.75	1.52
1	12	9	PHE	N-CA	9.31	1.58	1.46
1	16	9	PHE	N-CA	9.31	1.58	1.46
1	2A	9	PHE	N-CA	9.31	1.58	1.46
2	2F	39	ASP	CA-C	9.31	1.63	1.52
1	2Q	20	GLU	CG-CD	9.31	1.75	1.52
1	2U	20	GLU	CG-CD	9.31	1.75	1.52
1	2Y	20	GLU	CG-CD	9.31	1.75	1.52
2	27	39	ASP	CA-C	9.31	1.63	1.52
2	3F	39	ASP	CA-C	9.31	1.63	1.52
1	3Q	9	PHE	N-CA	9.31	1.58	1.46
1	3U	9	PHE	N-CA	9.31	1.58	1.46
1	3Y	9	PHE	N-CA	9.31	1.58	1.46
2	4B	39	ASP	CA-C	9.31	1.63	1.52
2	4N	39	ASP	CA-C	9.31	1.63	1.52
2	4V	39	ASP	CA-C	9.31	1.63	1.52
1	42	20	GLU	CG-CD	9.31	1.75	1.52
1	46	20	GLU	CG-CD	9.31	1.75	1.52
1	5A	20	GLU	CG-CD	9.31	1.75	1.52
1	5E	9	PHE	N-CA	9.31	1.58	1.46
1	5I	9	PHE	N-CA	9.31	1.58	1.46
1	5M	9	PHE	N-CA	9.31	1.58	1.46
2	5R	39	ASP	CA-C	9.31	1.63	1.52
1	52	20	GLU	CG-CD	9.31	1.75	1.52
1	56	20	GLU	CG-CD	9.31	1.75	1.52
1	6A	20	GLU	CG-CD	9.31	1.75	1.52
2	6J	39	ASP	CA-C	9.31	1.63	1.52
2	6R	39	ASP	CA-C	9.31	1.63	1.52
1	62	9	PHE	N-CA	9.31	1.58	1.46
1	66	9	PHE	N-CA	9.31	1.58	1.46
1	7A	9	PHE	N-CA	9.31	1.58	1.46
2	7N	39	ASP	CA-C	9.31	1.63	1.52
1	12	22	HIS	C-N	-9.31	1.20	1.33
1	16	22	HIS	C-N	-9.31	1.20	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	22	HIS	C-N	-9.31	1.20	1.33
1	3Q	22	HIS	C-N	-9.31	1.20	1.33
1	3U	22	HIS	C-N	-9.31	1.20	1.33
1	3Y	22	HIS	C-N	-9.31	1.20	1.33
1	5E	22	HIS	C-N	-9.31	1.20	1.33
1	5I	22	HIS	C-N	-9.31	1.20	1.33
1	5M	22	HIS	C-N	-9.31	1.20	1.33
1	62	22	HIS	C-N	-9.31	1.20	1.33
1	66	22	HIS	C-N	-9.31	1.20	1.33
1	7A	22	HIS	C-N	-9.31	1.20	1.33
1	1A	168	GLN	N-CA	-9.30	1.34	1.46
1	1E	150	TYR	C-N	9.30	1.41	1.33
1	1I	168	GLN	N-CA	-9.30	1.34	1.46
1	2M	150	TYR	C-N	9.30	1.41	1.33
1	36	150	TYR	C-N	9.30	1.41	1.33
1	5Y	150	TYR	C-N	9.30	1.41	1.33
1	7I	150	TYR	C-N	9.30	1.41	1.33
2	1R	229	ASN	N-CA	-9.30	1.28	1.46
2	1V	229	ASN	N-CA	-9.30	1.28	1.46
2	1Z	229	ASN	N-CA	-9.30	1.28	1.46
1	2E	168	GLN	N-CA	-9.30	1.34	1.46
1	22	150	TYR	C-N	9.30	1.41	1.33
2	2R	229	ASN	N-CA	-9.30	1.28	1.46
2	2V	229	ASN	N-CA	-9.30	1.28	1.46
2	2Z	229	ASN	N-CA	-9.30	1.28	1.46
1	26	168	GLN	N-CA	-9.30	1.34	1.46
1	3E	168	GLN	N-CA	-9.30	1.34	1.46
1	3M	150	TYR	C-N	9.30	1.41	1.33
1	4A	168	GLN	N-CA	-9.30	1.34	1.46
1	4I	150	TYR	C-N	9.30	1.41	1.33
1	4M	168	GLN	N-CA	-9.30	1.34	1.46
1	4Q	150	TYR	C-N	9.30	1.41	1.33
1	4U	168	GLN	N-CA	-9.30	1.34	1.46
1	6E	150	TYR	C-N	9.30	1.41	1.33
1	6Y	150	TYR	C-N	9.30	1.41	1.33
2	43	229	ASN	N-CA	-9.30	1.28	1.46
2	47	229	ASN	N-CA	-9.30	1.28	1.46
2	5B	229	ASN	N-CA	-9.30	1.28	1.46
1	5Q	168	GLN	N-CA	-9.30	1.34	1.46
2	53	229	ASN	N-CA	-9.30	1.28	1.46
2	57	229	ASN	N-CA	-9.30	1.28	1.46
2	6B	229	ASN	N-CA	-9.30	1.28	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6I	168	GLN	N-CA	-9.30	1.34	1.46
1	6Q	168	GLN	N-CA	-9.30	1.34	1.46
1	7M	168	GLN	N-CA	-9.30	1.34	1.46
1	7U	150	TYR	C-N	9.30	1.41	1.33
1	1M	9	PHE	N-CA	9.30	1.58	1.46
1	12	68	SER	N-CA	9.30	1.58	1.45
1	16	68	SER	N-CA	9.30	1.58	1.45
1	2A	68	SER	N-CA	9.30	1.58	1.45
1	2I	9	PHE	N-CA	9.30	1.58	1.46
1	3A	9	PHE	N-CA	9.30	1.58	1.46
1	3I	9	PHE	N-CA	9.30	1.58	1.46
1	3Q	68	SER	N-CA	9.30	1.58	1.45
1	3U	68	SER	N-CA	9.30	1.58	1.45
1	3Y	68	SER	N-CA	9.30	1.58	1.45
1	32	9	PHE	N-CA	9.30	1.58	1.46
1	4E	9	PHE	N-CA	9.30	1.58	1.46
1	4Y	9	PHE	N-CA	9.30	1.58	1.46
1	5E	68	SER	N-CA	9.30	1.58	1.45
1	5I	68	SER	N-CA	9.30	1.58	1.45
1	5M	68	SER	N-CA	9.30	1.58	1.45
1	5U	9	PHE	N-CA	9.30	1.58	1.46
1	6M	9	PHE	N-CA	9.30	1.58	1.46
1	6U	9	PHE	N-CA	9.30	1.58	1.46
1	62	68	SER	N-CA	9.30	1.58	1.45
1	66	68	SER	N-CA	9.30	1.58	1.45
1	7A	68	SER	N-CA	9.30	1.58	1.45
1	7E	9	PHE	N-CA	9.30	1.58	1.46
1	7Q	9	PHE	N-CA	9.30	1.58	1.46
1	1E	9	PHE	N-CA	9.30	1.58	1.46
1	2M	9	PHE	N-CA	9.30	1.58	1.46
1	22	9	PHE	N-CA	9.30	1.58	1.46
1	3M	9	PHE	N-CA	9.30	1.58	1.46
1	36	9	PHE	N-CA	9.30	1.58	1.46
1	4I	9	PHE	N-CA	9.30	1.58	1.46
1	4Q	9	PHE	N-CA	9.30	1.58	1.46
1	5Y	9	PHE	N-CA	9.30	1.58	1.46
1	6E	9	PHE	N-CA	9.30	1.58	1.46
1	6Y	9	PHE	N-CA	9.30	1.58	1.46
1	7I	9	PHE	N-CA	9.30	1.58	1.46
1	7U	9	PHE	N-CA	9.30	1.58	1.46
1	1Q	168	GLN	N-CA	-9.29	1.34	1.46
1	1U	168	GLN	N-CA	-9.29	1.34	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	168	GLN	N-CA	-9.29	1.34	1.46
1	2Q	168	GLN	N-CA	-9.29	1.34	1.46
1	2U	168	GLN	N-CA	-9.29	1.34	1.46
1	2Y	168	GLN	N-CA	-9.29	1.34	1.46
1	42	168	GLN	N-CA	-9.29	1.34	1.46
1	46	168	GLN	N-CA	-9.29	1.34	1.46
1	5A	168	GLN	N-CA	-9.29	1.34	1.46
1	52	168	GLN	N-CA	-9.29	1.34	1.46
1	56	168	GLN	N-CA	-9.29	1.34	1.46
1	6A	168	GLN	N-CA	-9.29	1.34	1.46
1	1M	68	SER	N-CA	9.29	1.58	1.45
1	2I	68	SER	N-CA	9.29	1.58	1.45
1	3A	68	SER	N-CA	9.29	1.58	1.45
1	3I	68	SER	N-CA	9.29	1.58	1.45
1	32	68	SER	N-CA	9.29	1.58	1.45
1	4E	68	SER	N-CA	9.29	1.58	1.45
1	4Y	68	SER	N-CA	9.29	1.58	1.45
1	5U	68	SER	N-CA	9.29	1.58	1.45
1	6M	68	SER	N-CA	9.29	1.58	1.45
1	6U	68	SER	N-CA	9.29	1.58	1.45
1	7E	68	SER	N-CA	9.29	1.58	1.45
1	7Q	68	SER	N-CA	9.29	1.58	1.45
2	1N	229	ASN	N-CA	-9.28	1.28	1.46
1	12	168	GLN	N-CA	-9.28	1.34	1.46
1	16	168	GLN	N-CA	-9.28	1.34	1.46
1	2A	168	GLN	N-CA	-9.28	1.34	1.46
2	2J	229	ASN	N-CA	-9.28	1.28	1.46
2	3B	229	ASN	N-CA	-9.28	1.28	1.46
2	3J	229	ASN	N-CA	-9.28	1.28	1.46
1	3Q	168	GLN	N-CA	-9.28	1.34	1.46
1	3U	168	GLN	N-CA	-9.28	1.34	1.46
1	3Y	168	GLN	N-CA	-9.28	1.34	1.46
2	33	229	ASN	N-CA	-9.28	1.28	1.46
2	4F	229	ASN	N-CA	-9.28	1.28	1.46
2	4Z	229	ASN	N-CA	-9.28	1.28	1.46
1	5E	168	GLN	N-CA	-9.28	1.34	1.46
1	5I	168	GLN	N-CA	-9.28	1.34	1.46
1	5M	168	GLN	N-CA	-9.28	1.34	1.46
2	5V	229	ASN	N-CA	-9.28	1.28	1.46
2	6N	229	ASN	N-CA	-9.28	1.28	1.46
2	6V	229	ASN	N-CA	-9.28	1.28	1.46
1	62	168	GLN	N-CA	-9.28	1.34	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	168	GLN	N-CA	-9.28	1.34	1.46
1	7A	168	GLN	N-CA	-9.28	1.34	1.46
2	7F	229	ASN	N-CA	-9.28	1.28	1.46
2	7R	229	ASN	N-CA	-9.28	1.28	1.46
1	12	169	ASP	CG-OD2	9.27	1.43	1.25
1	16	169	ASP	CG-OD2	9.27	1.43	1.25
1	2A	169	ASP	CG-OD2	9.27	1.43	1.25
1	3Q	169	ASP	CG-OD2	9.27	1.43	1.25
1	3U	169	ASP	CG-OD2	9.27	1.43	1.25
1	3Y	169	ASP	CG-OD2	9.27	1.43	1.25
1	5E	169	ASP	CG-OD2	9.27	1.43	1.25
1	5I	169	ASP	CG-OD2	9.27	1.43	1.25
1	5M	169	ASP	CG-OD2	9.27	1.43	1.25
1	62	169	ASP	CG-OD2	9.27	1.43	1.25
1	66	169	ASP	CG-OD2	9.27	1.43	1.25
1	7A	169	ASP	CG-OD2	9.27	1.43	1.25
1	1A	9	PHE	N-CA	9.27	1.58	1.46
1	1I	9	PHE	N-CA	9.27	1.58	1.46
1	1M	169	ASP	CG-OD2	9.27	1.43	1.25
1	2E	9	PHE	N-CA	9.27	1.58	1.46
1	2I	169	ASP	CG-OD2	9.27	1.43	1.25
1	26	9	PHE	N-CA	9.27	1.58	1.46
1	3A	169	ASP	CG-OD2	9.27	1.43	1.25
1	3E	9	PHE	N-CA	9.27	1.58	1.46
1	3I	169	ASP	CG-OD2	9.27	1.43	1.25
1	32	169	ASP	CG-OD2	9.27	1.43	1.25
1	4A	9	PHE	N-CA	9.27	1.58	1.46
1	4E	169	ASP	CG-OD2	9.27	1.43	1.25
1	4M	9	PHE	N-CA	9.27	1.58	1.46
1	4U	9	PHE	N-CA	9.27	1.58	1.46
1	4Y	169	ASP	CG-OD2	9.27	1.43	1.25
1	5Q	9	PHE	N-CA	9.27	1.58	1.46
1	5U	169	ASP	CG-OD2	9.27	1.43	1.25
1	6I	9	PHE	N-CA	9.27	1.58	1.46
1	6M	169	ASP	CG-OD2	9.27	1.43	1.25
1	6Q	9	PHE	N-CA	9.27	1.58	1.46
1	6U	169	ASP	CG-OD2	9.27	1.43	1.25
1	7E	169	ASP	CG-OD2	9.27	1.43	1.25
1	7M	9	PHE	N-CA	9.27	1.58	1.46
1	7Q	169	ASP	CG-OD2	9.27	1.43	1.25
1	1E	168	GLN	N-CA	-9.25	1.34	1.46
1	2M	168	GLN	N-CA	-9.25	1.34	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	168	GLN	N-CA	-9.25	1.34	1.46
1	3M	168	GLN	N-CA	-9.25	1.34	1.46
1	36	168	GLN	N-CA	-9.25	1.34	1.46
1	4I	168	GLN	N-CA	-9.25	1.34	1.46
1	4Q	168	GLN	N-CA	-9.25	1.34	1.46
1	5Y	168	GLN	N-CA	-9.25	1.34	1.46
1	6E	168	GLN	N-CA	-9.25	1.34	1.46
1	6Y	168	GLN	N-CA	-9.25	1.34	1.46
1	7I	168	GLN	N-CA	-9.25	1.34	1.46
1	7U	168	GLN	N-CA	-9.25	1.34	1.46
1	1A	169	ASP	CG-OD2	9.24	1.43	1.25
1	1I	169	ASP	CG-OD2	9.24	1.43	1.25
1	2E	169	ASP	CG-OD2	9.24	1.43	1.25
1	26	169	ASP	CG-OD2	9.24	1.43	1.25
1	3E	169	ASP	CG-OD2	9.24	1.43	1.25
1	4A	169	ASP	CG-OD2	9.24	1.43	1.25
1	4M	169	ASP	CG-OD2	9.24	1.43	1.25
1	4U	169	ASP	CG-OD2	9.24	1.43	1.25
1	5Q	169	ASP	CG-OD2	9.24	1.43	1.25
1	6I	169	ASP	CG-OD2	9.24	1.43	1.25
1	6Q	169	ASP	CG-OD2	9.24	1.43	1.25
1	7M	169	ASP	CG-OD2	9.24	1.43	1.25
1	1Q	169	ASP	CG-OD2	9.22	1.42	1.25
1	1U	169	ASP	CG-OD2	9.22	1.42	1.25
1	1Y	169	ASP	CG-OD2	9.22	1.42	1.25
1	2Q	169	ASP	CG-OD2	9.22	1.42	1.25
1	2U	169	ASP	CG-OD2	9.22	1.42	1.25
1	2Y	169	ASP	CG-OD2	9.22	1.42	1.25
1	42	169	ASP	CG-OD2	9.22	1.42	1.25
1	46	169	ASP	CG-OD2	9.22	1.42	1.25
1	5A	169	ASP	CG-OD2	9.22	1.42	1.25
1	52	169	ASP	CG-OD2	9.22	1.42	1.25
1	56	169	ASP	CG-OD2	9.22	1.42	1.25
1	6A	169	ASP	CG-OD2	9.22	1.42	1.25
2	1F	229	ASN	C-OXT	-9.22	1.05	1.23
2	2N	229	ASN	C-OXT	-9.22	1.05	1.23
2	23	229	ASN	C-OXT	-9.22	1.05	1.23
2	3N	229	ASN	C-OXT	-9.22	1.05	1.23
2	37	229	ASN	C-OXT	-9.22	1.05	1.23
2	4J	229	ASN	C-OXT	-9.22	1.05	1.23
2	4R	229	ASN	C-OXT	-9.22	1.05	1.23
2	5Z	229	ASN	C-OXT	-9.22	1.05	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	229	ASN	C-OXT	-9.22	1.05	1.23
2	6Z	229	ASN	C-OXT	-9.22	1.05	1.23
2	7J	229	ASN	C-OXT	-9.22	1.05	1.23
2	7V	229	ASN	C-OXT	-9.22	1.05	1.23
1	1E	169	ASP	CG-OD2	9.21	1.42	1.25
1	2M	169	ASP	CG-OD2	9.21	1.42	1.25
1	22	169	ASP	CG-OD2	9.21	1.42	1.25
1	3M	169	ASP	CG-OD2	9.21	1.42	1.25
1	36	169	ASP	CG-OD2	9.21	1.42	1.25
1	4I	169	ASP	CG-OD2	9.21	1.42	1.25
1	4Q	169	ASP	CG-OD2	9.21	1.42	1.25
1	5Y	169	ASP	CG-OD2	9.21	1.42	1.25
1	6E	169	ASP	CG-OD2	9.21	1.42	1.25
1	6Y	169	ASP	CG-OD2	9.21	1.42	1.25
1	7I	169	ASP	CG-OD2	9.21	1.42	1.25
1	7U	169	ASP	CG-OD2	9.21	1.42	1.25
2	1R	229	ASN	C-OXT	-9.21	1.05	1.23
2	1V	229	ASN	C-OXT	-9.21	1.05	1.23
2	1Z	229	ASN	C-OXT	-9.21	1.05	1.23
2	2R	229	ASN	C-OXT	-9.21	1.05	1.23
2	2V	229	ASN	C-OXT	-9.21	1.05	1.23
2	2Z	229	ASN	C-OXT	-9.21	1.05	1.23
2	43	229	ASN	C-OXT	-9.21	1.05	1.23
2	47	229	ASN	C-OXT	-9.21	1.05	1.23
2	5B	229	ASN	C-OXT	-9.21	1.05	1.23
2	53	229	ASN	C-OXT	-9.21	1.05	1.23
2	57	229	ASN	C-OXT	-9.21	1.05	1.23
2	6B	229	ASN	C-OXT	-9.21	1.05	1.23
2	1B	229	ASN	C-OXT	-9.21	1.05	1.23
2	1F	209	LEU	CB-CG	9.21	1.71	1.53
2	1J	229	ASN	C-OXT	-9.21	1.05	1.23
2	2F	229	ASN	C-OXT	-9.21	1.05	1.23
2	2N	209	LEU	CB-CG	9.21	1.71	1.53
2	23	209	LEU	CB-CG	9.21	1.71	1.53
2	27	229	ASN	C-OXT	-9.21	1.05	1.23
2	3F	229	ASN	C-OXT	-9.21	1.05	1.23
2	3N	209	LEU	CB-CG	9.21	1.71	1.53
2	37	209	LEU	CB-CG	9.21	1.71	1.53
2	4B	229	ASN	C-OXT	-9.21	1.05	1.23
2	4J	209	LEU	CB-CG	9.21	1.71	1.53
2	4N	229	ASN	C-OXT	-9.21	1.05	1.23
2	4R	209	LEU	CB-CG	9.21	1.71	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4V	229	ASN	C-OXT	-9.21	1.05	1.23
2	5R	229	ASN	C-OXT	-9.21	1.05	1.23
2	5Z	209	LEU	CB-CG	9.21	1.71	1.53
2	6F	209	LEU	CB-CG	9.21	1.71	1.53
2	6J	229	ASN	C-OXT	-9.21	1.05	1.23
2	6R	229	ASN	C-OXT	-9.21	1.05	1.23
2	6Z	209	LEU	CB-CG	9.21	1.71	1.53
2	7J	209	LEU	CB-CG	9.21	1.71	1.53
2	7N	229	ASN	C-OXT	-9.21	1.05	1.23
2	7V	209	LEU	CB-CG	9.21	1.71	1.53
1	1E	40	SER	C-N	9.20	1.44	1.33
1	2M	40	SER	C-N	9.20	1.44	1.33
1	22	40	SER	C-N	9.20	1.44	1.33
1	3M	40	SER	C-N	9.20	1.44	1.33
1	36	40	SER	C-N	9.20	1.44	1.33
1	4I	40	SER	C-N	9.20	1.44	1.33
1	4Q	40	SER	C-N	9.20	1.44	1.33
1	5Y	40	SER	C-N	9.20	1.44	1.33
1	6E	40	SER	C-N	9.20	1.44	1.33
1	6Y	40	SER	C-N	9.20	1.44	1.33
1	7I	40	SER	C-N	9.20	1.44	1.33
1	7U	40	SER	C-N	9.20	1.44	1.33
1	1A	40	SER	C-N	9.19	1.44	1.33
1	1I	40	SER	C-N	9.19	1.44	1.33
1	1M	40	SER	C-N	9.19	1.44	1.33
1	2E	40	SER	C-N	9.19	1.44	1.33
1	2I	40	SER	C-N	9.19	1.44	1.33
1	26	40	SER	C-N	9.19	1.44	1.33
1	3A	40	SER	C-N	9.19	1.44	1.33
1	3E	40	SER	C-N	9.19	1.44	1.33
1	3I	40	SER	C-N	9.19	1.44	1.33
1	32	40	SER	C-N	9.19	1.44	1.33
1	4A	40	SER	C-N	9.19	1.44	1.33
1	4E	40	SER	C-N	9.19	1.44	1.33
1	4M	40	SER	C-N	9.19	1.44	1.33
1	4U	40	SER	C-N	9.19	1.44	1.33
1	4Y	40	SER	C-N	9.19	1.44	1.33
1	5Q	40	SER	C-N	9.19	1.44	1.33
1	5U	40	SER	C-N	9.19	1.44	1.33
1	6I	40	SER	C-N	9.19	1.44	1.33
1	6M	40	SER	C-N	9.19	1.44	1.33
1	6Q	40	SER	C-N	9.19	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6U	40	SER	C-N	9.19	1.44	1.33
1	7E	40	SER	C-N	9.19	1.44	1.33
1	7M	40	SER	C-N	9.19	1.44	1.33
1	7Q	40	SER	C-N	9.19	1.44	1.33
2	13	41	PHE	CA-C	-9.19	1.40	1.52
2	17	41	PHE	CA-C	-9.19	1.40	1.52
2	2B	41	PHE	CA-C	-9.19	1.40	1.52
2	3R	41	PHE	CA-C	-9.19	1.40	1.52
2	3V	41	PHE	CA-C	-9.19	1.40	1.52
2	3Z	41	PHE	CA-C	-9.19	1.40	1.52
2	5F	41	PHE	CA-C	-9.19	1.40	1.52
2	5J	41	PHE	CA-C	-9.19	1.40	1.52
2	5N	41	PHE	CA-C	-9.19	1.40	1.52
2	63	41	PHE	CA-C	-9.19	1.40	1.52
2	67	41	PHE	CA-C	-9.19	1.40	1.52
2	7B	41	PHE	CA-C	-9.19	1.40	1.52
1	1Q	9	PHE	CG-CD2	9.19	1.58	1.38
1	1U	9	PHE	CG-CD2	9.19	1.58	1.38
1	1Y	9	PHE	CG-CD2	9.19	1.58	1.38
1	12	9	PHE	CG-CD2	9.19	1.58	1.38
1	16	9	PHE	CG-CD2	9.19	1.58	1.38
1	2A	9	PHE	CG-CD2	9.19	1.58	1.38
1	2Q	9	PHE	CG-CD2	9.19	1.58	1.38
1	2U	9	PHE	CG-CD2	9.19	1.58	1.38
1	2Y	9	PHE	CG-CD2	9.19	1.58	1.38
1	3Q	9	PHE	CG-CD2	9.19	1.58	1.38
1	3U	9	PHE	CG-CD2	9.19	1.58	1.38
1	3Y	9	PHE	CG-CD2	9.19	1.58	1.38
1	42	9	PHE	CG-CD2	9.19	1.58	1.38
1	46	9	PHE	CG-CD2	9.19	1.58	1.38
1	5A	9	PHE	CG-CD2	9.19	1.58	1.38
1	5E	9	PHE	CG-CD2	9.19	1.58	1.38
1	5I	9	PHE	CG-CD2	9.19	1.58	1.38
1	5M	9	PHE	CG-CD2	9.19	1.58	1.38
1	52	9	PHE	CG-CD2	9.19	1.58	1.38
1	56	9	PHE	CG-CD2	9.19	1.58	1.38
1	6A	9	PHE	CG-CD2	9.19	1.58	1.38
1	62	9	PHE	CG-CD2	9.19	1.58	1.38
1	66	9	PHE	CG-CD2	9.19	1.58	1.38
1	7A	9	PHE	CG-CD2	9.19	1.58	1.38
2	1N	209	LEU	CB-CG	9.18	1.71	1.53
2	3J	209	LEU	CB-CG	9.18	1.71	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4Z	209	LEU	CB-CG	9.18	1.71	1.53
2	1B	209	LEU	CB-CG	9.18	1.71	1.53
2	1J	209	LEU	CB-CG	9.18	1.71	1.53
2	1N	229	ASN	C-OXT	-9.18	1.05	1.23
2	2J	209	LEU	CB-CG	9.18	1.71	1.53
2	3B	209	LEU	CB-CG	9.18	1.71	1.53
2	6V	209	LEU	CB-CG	9.18	1.71	1.53
2	2F	209	LEU	CB-CG	9.18	1.71	1.53
2	2J	229	ASN	C-OXT	-9.18	1.05	1.23
2	27	209	LEU	CB-CG	9.18	1.71	1.53
2	3B	229	ASN	C-OXT	-9.18	1.05	1.23
2	3F	209	LEU	CB-CG	9.18	1.71	1.53
2	3J	229	ASN	C-OXT	-9.18	1.05	1.23
2	33	209	LEU	CB-CG	9.18	1.71	1.53
2	33	229	ASN	C-OXT	-9.18	1.05	1.23
2	4F	209	LEU	CB-CG	9.18	1.71	1.53
2	5V	209	LEU	CB-CG	9.18	1.71	1.53
2	7F	209	LEU	CB-CG	9.18	1.71	1.53
2	4B	209	LEU	CB-CG	9.18	1.71	1.53
2	4F	229	ASN	C-OXT	-9.18	1.05	1.23
2	4N	209	LEU	CB-CG	9.18	1.71	1.53
2	4V	209	LEU	CB-CG	9.18	1.71	1.53
2	4Z	229	ASN	C-OXT	-9.18	1.05	1.23
2	5R	209	LEU	CB-CG	9.18	1.71	1.53
2	5V	229	ASN	C-OXT	-9.18	1.05	1.23
2	6N	209	LEU	CB-CG	9.18	1.71	1.53
2	7R	209	LEU	CB-CG	9.18	1.71	1.53
2	6J	209	LEU	CB-CG	9.18	1.71	1.53
2	6N	229	ASN	C-OXT	-9.18	1.05	1.23
2	6R	209	LEU	CB-CG	9.18	1.71	1.53
2	6V	229	ASN	C-OXT	-9.18	1.05	1.23
2	7F	229	ASN	C-OXT	-9.18	1.05	1.23
2	7N	209	LEU	CB-CG	9.18	1.71	1.53
2	7R	229	ASN	C-OXT	-9.18	1.05	1.23
1	1M	9	PHE	CG-CD2	9.18	1.58	1.38
1	2I	9	PHE	CG-CD2	9.18	1.58	1.38
1	3A	9	PHE	CG-CD2	9.18	1.58	1.38
1	3I	9	PHE	CG-CD2	9.18	1.58	1.38
1	32	9	PHE	CG-CD2	9.18	1.58	1.38
1	4E	9	PHE	CG-CD2	9.18	1.58	1.38
1	4Y	9	PHE	CG-CD2	9.18	1.58	1.38
1	5U	9	PHE	CG-CD2	9.18	1.58	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	9	PHE	CG-CD2	9.18	1.58	1.38
1	6U	9	PHE	CG-CD2	9.18	1.58	1.38
1	7E	9	PHE	CG-CD2	9.18	1.58	1.38
1	7Q	9	PHE	CG-CD2	9.18	1.58	1.38
2	1B	41	PHE	CA-C	-9.18	1.40	1.52
2	1J	41	PHE	CA-C	-9.18	1.40	1.52
2	2F	41	PHE	CA-C	-9.18	1.40	1.52
2	27	41	PHE	CA-C	-9.18	1.40	1.52
2	3F	41	PHE	CA-C	-9.18	1.40	1.52
2	4B	41	PHE	CA-C	-9.18	1.40	1.52
2	4N	41	PHE	CA-C	-9.18	1.40	1.52
2	4V	41	PHE	CA-C	-9.18	1.40	1.52
2	5R	41	PHE	CA-C	-9.18	1.40	1.52
2	6J	41	PHE	CA-C	-9.18	1.40	1.52
2	6R	41	PHE	CA-C	-9.18	1.40	1.52
2	7N	41	PHE	CA-C	-9.18	1.40	1.52
2	13	229	ASN	C-OXT	-9.17	1.05	1.23
2	17	229	ASN	C-OXT	-9.17	1.05	1.23
2	2B	229	ASN	C-OXT	-9.17	1.05	1.23
2	3R	229	ASN	C-OXT	-9.17	1.05	1.23
2	3V	229	ASN	C-OXT	-9.17	1.05	1.23
2	3Z	229	ASN	C-OXT	-9.17	1.05	1.23
2	5F	229	ASN	C-OXT	-9.17	1.05	1.23
2	5J	229	ASN	C-OXT	-9.17	1.05	1.23
2	5N	229	ASN	C-OXT	-9.17	1.05	1.23
2	63	229	ASN	C-OXT	-9.17	1.05	1.23
2	67	229	ASN	C-OXT	-9.17	1.05	1.23
2	7B	229	ASN	C-OXT	-9.17	1.05	1.23
2	1B	75	GLN	CA-C	9.17	1.63	1.52
2	1J	75	GLN	CA-C	9.17	1.63	1.52
2	2F	75	GLN	CA-C	9.17	1.63	1.52
2	27	75	GLN	CA-C	9.17	1.63	1.52
2	3F	75	GLN	CA-C	9.17	1.63	1.52
2	4B	75	GLN	CA-C	9.17	1.63	1.52
2	4N	75	GLN	CA-C	9.17	1.63	1.52
2	4V	75	GLN	CA-C	9.17	1.63	1.52
2	5R	75	GLN	CA-C	9.17	1.63	1.52
2	6J	75	GLN	CA-C	9.17	1.63	1.52
2	6R	75	GLN	CA-C	9.17	1.63	1.52
2	7N	75	GLN	CA-C	9.17	1.63	1.52
1	1E	9	PHE	CG-CD2	9.17	1.58	1.38
2	1R	41	PHE	CA-C	-9.17	1.40	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1V	41	PHE	CA-C	-9.17	1.40	1.52
2	1Z	41	PHE	CA-C	-9.17	1.40	1.52
1	2M	9	PHE	CG-CD2	9.17	1.58	1.38
2	2R	41	PHE	CA-C	-9.17	1.40	1.52
2	2V	41	PHE	CA-C	-9.17	1.40	1.52
2	2Z	41	PHE	CA-C	-9.17	1.40	1.52
1	22	9	PHE	CG-CD2	9.17	1.58	1.38
1	3M	9	PHE	CG-CD2	9.17	1.58	1.38
1	36	9	PHE	CG-CD2	9.17	1.58	1.38
1	4I	9	PHE	CG-CD2	9.17	1.58	1.38
1	4Q	9	PHE	CG-CD2	9.17	1.58	1.38
2	43	41	PHE	CA-C	-9.17	1.40	1.52
2	47	41	PHE	CA-C	-9.17	1.40	1.52
2	5B	41	PHE	CA-C	-9.17	1.40	1.52
1	5Y	9	PHE	CG-CD2	9.17	1.58	1.38
2	53	41	PHE	CA-C	-9.17	1.40	1.52
2	57	41	PHE	CA-C	-9.17	1.40	1.52
2	6B	41	PHE	CA-C	-9.17	1.40	1.52
1	6E	9	PHE	CG-CD2	9.17	1.58	1.38
1	6Y	9	PHE	CG-CD2	9.17	1.58	1.38
1	7I	9	PHE	CG-CD2	9.17	1.58	1.38
1	7U	9	PHE	CG-CD2	9.17	1.58	1.38
1	1A	9	PHE	CG-CD2	9.16	1.58	1.38
1	1I	9	PHE	CG-CD2	9.16	1.58	1.38
1	2E	9	PHE	CG-CD2	9.16	1.58	1.38
1	26	9	PHE	CG-CD2	9.16	1.58	1.38
1	3E	9	PHE	CG-CD2	9.16	1.58	1.38
1	4A	9	PHE	CG-CD2	9.16	1.58	1.38
1	4M	9	PHE	CG-CD2	9.16	1.58	1.38
1	4U	9	PHE	CG-CD2	9.16	1.58	1.38
1	5Q	9	PHE	CG-CD2	9.16	1.58	1.38
1	6I	9	PHE	CG-CD2	9.16	1.58	1.38
1	6Q	9	PHE	CG-CD2	9.16	1.58	1.38
1	7M	9	PHE	CG-CD2	9.16	1.58	1.38
1	1Q	40	SER	C-N	9.16	1.44	1.33
1	1U	40	SER	C-N	9.16	1.44	1.33
1	1Y	40	SER	C-N	9.16	1.44	1.33
2	13	75	GLN	CA-C	9.16	1.63	1.52
2	17	75	GLN	CA-C	9.16	1.63	1.52
2	2B	75	GLN	CA-C	9.16	1.63	1.52
1	2Q	40	SER	C-N	9.16	1.44	1.33
1	2U	40	SER	C-N	9.16	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2Y	40	SER	C-N	9.16	1.44	1.33
2	3R	75	GLN	CA-C	9.16	1.63	1.52
2	3V	75	GLN	CA-C	9.16	1.63	1.52
2	3Z	75	GLN	CA-C	9.16	1.63	1.52
1	42	40	SER	C-N	9.16	1.44	1.33
1	46	40	SER	C-N	9.16	1.44	1.33
1	5A	40	SER	C-N	9.16	1.44	1.33
2	5F	75	GLN	CA-C	9.16	1.63	1.52
2	5J	75	GLN	CA-C	9.16	1.63	1.52
2	5N	75	GLN	CA-C	9.16	1.63	1.52
1	52	40	SER	C-N	9.16	1.44	1.33
1	56	40	SER	C-N	9.16	1.44	1.33
1	6A	40	SER	C-N	9.16	1.44	1.33
2	63	75	GLN	CA-C	9.16	1.63	1.52
2	67	75	GLN	CA-C	9.16	1.63	1.52
2	7B	75	GLN	CA-C	9.16	1.63	1.52
2	1R	209	LEU	CB-CG	9.15	1.71	1.53
2	1V	209	LEU	CB-CG	9.15	1.71	1.53
2	1Z	209	LEU	CB-CG	9.15	1.71	1.53
2	2R	209	LEU	CB-CG	9.15	1.71	1.53
2	2V	209	LEU	CB-CG	9.15	1.71	1.53
2	2Z	209	LEU	CB-CG	9.15	1.71	1.53
2	43	209	LEU	CB-CG	9.15	1.71	1.53
2	47	209	LEU	CB-CG	9.15	1.71	1.53
2	5B	209	LEU	CB-CG	9.15	1.71	1.53
2	53	209	LEU	CB-CG	9.15	1.71	1.53
2	57	209	LEU	CB-CG	9.15	1.71	1.53
2	6B	209	LEU	CB-CG	9.15	1.71	1.53
2	13	209	LEU	CB-CG	9.15	1.71	1.53
2	17	209	LEU	CB-CG	9.15	1.71	1.53
2	2B	209	LEU	CB-CG	9.15	1.71	1.53
2	3R	209	LEU	CB-CG	9.15	1.71	1.53
2	3V	209	LEU	CB-CG	9.15	1.71	1.53
2	3Z	209	LEU	CB-CG	9.15	1.71	1.53
2	5F	209	LEU	CB-CG	9.15	1.71	1.53
2	5J	209	LEU	CB-CG	9.15	1.71	1.53
2	5N	209	LEU	CB-CG	9.15	1.71	1.53
2	63	209	LEU	CB-CG	9.15	1.71	1.53
2	67	209	LEU	CB-CG	9.15	1.71	1.53
2	7B	209	LEU	CB-CG	9.15	1.71	1.53
1	12	40	SER	C-N	9.14	1.44	1.33
1	16	40	SER	C-N	9.14	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	40	SER	C-N	9.14	1.44	1.33
1	3Q	40	SER	C-N	9.14	1.44	1.33
1	3U	40	SER	C-N	9.14	1.44	1.33
1	3Y	40	SER	C-N	9.14	1.44	1.33
1	5E	40	SER	C-N	9.14	1.44	1.33
1	5I	40	SER	C-N	9.14	1.44	1.33
1	5M	40	SER	C-N	9.14	1.44	1.33
1	62	40	SER	C-N	9.14	1.44	1.33
1	66	40	SER	C-N	9.14	1.44	1.33
1	7A	40	SER	C-N	9.14	1.44	1.33
1	1E	38	PRO	CB-CG	9.14	1.95	1.49
1	2M	38	PRO	CB-CG	9.14	1.95	1.49
1	22	38	PRO	CB-CG	9.14	1.95	1.49
1	3M	38	PRO	CB-CG	9.14	1.95	1.49
1	36	38	PRO	CB-CG	9.14	1.95	1.49
1	4I	38	PRO	CB-CG	9.14	1.95	1.49
1	4Q	38	PRO	CB-CG	9.14	1.95	1.49
1	5Y	38	PRO	CB-CG	9.14	1.95	1.49
1	6E	38	PRO	CB-CG	9.14	1.95	1.49
1	6Y	38	PRO	CB-CG	9.14	1.95	1.49
1	7I	38	PRO	CB-CG	9.14	1.95	1.49
1	7U	38	PRO	CB-CG	9.14	1.95	1.49
2	1F	75	GLN	CA-C	9.14	1.63	1.52
1	1Q	38	PRO	CB-CG	9.14	1.95	1.49
1	1U	38	PRO	CB-CG	9.14	1.95	1.49
1	1Y	38	PRO	CB-CG	9.14	1.95	1.49
2	2N	75	GLN	CA-C	9.14	1.63	1.52
1	2Q	38	PRO	CB-CG	9.14	1.95	1.49
1	2U	38	PRO	CB-CG	9.14	1.95	1.49
1	2Y	38	PRO	CB-CG	9.14	1.95	1.49
2	23	75	GLN	CA-C	9.14	1.63	1.52
2	3N	75	GLN	CA-C	9.14	1.63	1.52
2	37	75	GLN	CA-C	9.14	1.63	1.52
2	4J	75	GLN	CA-C	9.14	1.63	1.52
2	4R	75	GLN	CA-C	9.14	1.63	1.52
1	42	38	PRO	CB-CG	9.14	1.95	1.49
1	46	38	PRO	CB-CG	9.14	1.95	1.49
1	5A	38	PRO	CB-CG	9.14	1.95	1.49
2	5Z	75	GLN	CA-C	9.14	1.63	1.52
1	52	38	PRO	CB-CG	9.14	1.95	1.49
1	56	38	PRO	CB-CG	9.14	1.95	1.49
1	6A	38	PRO	CB-CG	9.14	1.95	1.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	75	GLN	CA-C	9.14	1.63	1.52
2	6Z	75	GLN	CA-C	9.14	1.63	1.52
2	7J	75	GLN	CA-C	9.14	1.63	1.52
2	7V	75	GLN	CA-C	9.14	1.63	1.52
1	1A	38	PRO	CB-CG	9.13	1.95	1.49
1	1I	38	PRO	CB-CG	9.13	1.95	1.49
1	2E	38	PRO	CB-CG	9.13	1.95	1.49
1	26	38	PRO	CB-CG	9.13	1.95	1.49
1	3E	38	PRO	CB-CG	9.13	1.95	1.49
1	4A	38	PRO	CB-CG	9.13	1.95	1.49
1	4M	38	PRO	CB-CG	9.13	1.95	1.49
1	4U	38	PRO	CB-CG	9.13	1.95	1.49
1	5Q	38	PRO	CB-CG	9.13	1.95	1.49
1	6I	38	PRO	CB-CG	9.13	1.95	1.49
1	6Q	38	PRO	CB-CG	9.13	1.95	1.49
1	7M	38	PRO	CB-CG	9.13	1.95	1.49
2	1F	41	PHE	CA-C	-9.13	1.41	1.52
2	2N	41	PHE	CA-C	-9.13	1.41	1.52
2	23	41	PHE	CA-C	-9.13	1.41	1.52
2	3N	41	PHE	CA-C	-9.13	1.41	1.52
2	37	41	PHE	CA-C	-9.13	1.41	1.52
2	4J	41	PHE	CA-C	-9.13	1.41	1.52
2	4R	41	PHE	CA-C	-9.13	1.41	1.52
2	5Z	41	PHE	CA-C	-9.13	1.41	1.52
2	6F	41	PHE	CA-C	-9.13	1.41	1.52
2	6Z	41	PHE	CA-C	-9.13	1.41	1.52
2	7J	41	PHE	CA-C	-9.13	1.41	1.52
2	7V	41	PHE	CA-C	-9.13	1.41	1.52
1	1M	38	PRO	CB-CG	9.13	1.95	1.49
2	1R	75	GLN	CA-C	9.13	1.63	1.52
2	1V	75	GLN	CA-C	9.13	1.63	1.52
2	1Z	75	GLN	CA-C	9.13	1.63	1.52
1	2I	38	PRO	CB-CG	9.13	1.95	1.49
2	2R	75	GLN	CA-C	9.13	1.63	1.52
2	2V	75	GLN	CA-C	9.13	1.63	1.52
2	2Z	75	GLN	CA-C	9.13	1.63	1.52
1	3A	38	PRO	CB-CG	9.13	1.95	1.49
1	3I	38	PRO	CB-CG	9.13	1.95	1.49
1	32	38	PRO	CB-CG	9.13	1.95	1.49
1	4E	38	PRO	CB-CG	9.13	1.95	1.49
1	4Y	38	PRO	CB-CG	9.13	1.95	1.49
2	43	75	GLN	CA-C	9.13	1.63	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	75	GLN	CA-C	9.13	1.63	1.52
2	5B	75	GLN	CA-C	9.13	1.63	1.52
1	5U	38	PRO	CB-CG	9.13	1.95	1.49
2	53	75	GLN	CA-C	9.13	1.63	1.52
2	57	75	GLN	CA-C	9.13	1.63	1.52
2	6B	75	GLN	CA-C	9.13	1.63	1.52
1	6M	38	PRO	CB-CG	9.13	1.95	1.49
1	6U	38	PRO	CB-CG	9.13	1.95	1.49
1	7E	38	PRO	CB-CG	9.13	1.95	1.49
1	7Q	38	PRO	CB-CG	9.13	1.95	1.49
2	1R	22	GLN	N-CA	-9.13	1.34	1.46
2	1V	22	GLN	N-CA	-9.13	1.34	1.46
2	1Z	22	GLN	N-CA	-9.13	1.34	1.46
1	12	38	PRO	CB-CG	9.12	1.95	1.49
1	16	38	PRO	CB-CG	9.12	1.95	1.49
1	2A	38	PRO	CB-CG	9.12	1.95	1.49
2	2R	22	GLN	N-CA	-9.13	1.34	1.46
2	2V	22	GLN	N-CA	-9.13	1.34	1.46
2	2Z	22	GLN	N-CA	-9.13	1.34	1.46
1	3Q	38	PRO	CB-CG	9.12	1.95	1.49
1	3U	38	PRO	CB-CG	9.12	1.95	1.49
1	3Y	38	PRO	CB-CG	9.12	1.95	1.49
2	43	22	GLN	N-CA	-9.13	1.34	1.46
2	47	22	GLN	N-CA	-9.13	1.34	1.46
2	5B	22	GLN	N-CA	-9.13	1.34	1.46
1	5E	38	PRO	CB-CG	9.12	1.95	1.49
1	5I	38	PRO	CB-CG	9.12	1.95	1.49
1	5M	38	PRO	CB-CG	9.12	1.95	1.49
2	53	22	GLN	N-CA	-9.13	1.34	1.46
2	57	22	GLN	N-CA	-9.13	1.34	1.46
2	6B	22	GLN	N-CA	-9.13	1.34	1.46
1	62	38	PRO	CB-CG	9.12	1.95	1.49
1	66	38	PRO	CB-CG	9.12	1.95	1.49
1	7A	38	PRO	CB-CG	9.12	1.95	1.49
2	1N	41	PHE	CA-C	-9.12	1.41	1.52
2	2J	41	PHE	CA-C	-9.12	1.41	1.52
2	3B	41	PHE	CA-C	-9.12	1.41	1.52
2	3J	41	PHE	CA-C	-9.12	1.41	1.52
2	33	41	PHE	CA-C	-9.12	1.41	1.52
2	4F	41	PHE	CA-C	-9.12	1.41	1.52
2	4Z	41	PHE	CA-C	-9.12	1.41	1.52
2	5V	41	PHE	CA-C	-9.12	1.41	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	41	PHE	CA-C	-9.12	1.41	1.52
2	6V	41	PHE	CA-C	-9.12	1.41	1.52
2	7F	41	PHE	CA-C	-9.12	1.41	1.52
2	7R	41	PHE	CA-C	-9.12	1.41	1.52
2	1F	22	GLN	N-CA	-9.12	1.34	1.46
2	2N	22	GLN	N-CA	-9.12	1.34	1.46
2	23	22	GLN	N-CA	-9.12	1.34	1.46
2	3N	22	GLN	N-CA	-9.12	1.34	1.46
2	37	22	GLN	N-CA	-9.12	1.34	1.46
2	4J	22	GLN	N-CA	-9.12	1.34	1.46
2	4R	22	GLN	N-CA	-9.12	1.34	1.46
2	5Z	22	GLN	N-CA	-9.12	1.34	1.46
2	6F	22	GLN	N-CA	-9.12	1.34	1.46
2	6Z	22	GLN	N-CA	-9.12	1.34	1.46
2	7J	22	GLN	N-CA	-9.12	1.34	1.46
2	7V	22	GLN	N-CA	-9.12	1.34	1.46
2	1N	75	GLN	CA-C	9.11	1.63	1.52
2	2J	75	GLN	CA-C	9.11	1.63	1.52
2	3B	75	GLN	CA-C	9.11	1.63	1.52
2	3J	75	GLN	CA-C	9.11	1.63	1.52
2	33	75	GLN	CA-C	9.11	1.63	1.52
2	4F	75	GLN	CA-C	9.11	1.63	1.52
2	4Z	75	GLN	CA-C	9.11	1.63	1.52
2	5V	75	GLN	CA-C	9.11	1.63	1.52
2	6N	75	GLN	CA-C	9.11	1.63	1.52
2	6V	75	GLN	CA-C	9.11	1.63	1.52
2	7F	75	GLN	CA-C	9.11	1.63	1.52
2	7R	75	GLN	CA-C	9.11	1.63	1.52
2	1N	227	TYR	CG-CD2	-9.10	1.20	1.39
1	1Q	18	PRO	CG-CD	9.10	1.81	1.50
1	1U	18	PRO	CG-CD	9.10	1.81	1.50
1	1Y	18	PRO	CG-CD	9.10	1.81	1.50
2	2J	227	TYR	CG-CD2	-9.10	1.20	1.39
1	2Q	18	PRO	CG-CD	9.10	1.81	1.50
1	2U	18	PRO	CG-CD	9.10	1.81	1.50
1	2Y	18	PRO	CG-CD	9.10	1.81	1.50
2	3B	227	TYR	CG-CD2	-9.10	1.20	1.39
2	3J	227	TYR	CG-CD2	-9.10	1.20	1.39
2	33	227	TYR	CG-CD2	-9.10	1.20	1.39
2	4F	227	TYR	CG-CD2	-9.10	1.20	1.39
2	4Z	227	TYR	CG-CD2	-9.10	1.20	1.39
1	42	18	PRO	CG-CD	9.10	1.81	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	46	18	PRO	CG-CD	9.10	1.81	1.50
1	5A	18	PRO	CG-CD	9.10	1.81	1.50
2	5V	227	TYR	CG-CD2	-9.10	1.20	1.39
1	52	18	PRO	CG-CD	9.10	1.81	1.50
1	56	18	PRO	CG-CD	9.10	1.81	1.50
1	6A	18	PRO	CG-CD	9.10	1.81	1.50
2	6N	227	TYR	CG-CD2	-9.10	1.20	1.39
2	6V	227	TYR	CG-CD2	-9.10	1.20	1.39
2	7F	227	TYR	CG-CD2	-9.10	1.20	1.39
2	7R	227	TYR	CG-CD2	-9.10	1.20	1.39
1	12	18	PRO	CG-CD	9.10	1.81	1.50
1	16	18	PRO	CG-CD	9.10	1.81	1.50
1	2A	18	PRO	CG-CD	9.10	1.81	1.50
1	3Q	18	PRO	CG-CD	9.10	1.81	1.50
1	3U	18	PRO	CG-CD	9.10	1.81	1.50
1	3Y	18	PRO	CG-CD	9.10	1.81	1.50
1	5E	18	PRO	CG-CD	9.10	1.81	1.50
1	5I	18	PRO	CG-CD	9.10	1.81	1.50
1	5M	18	PRO	CG-CD	9.10	1.81	1.50
1	62	18	PRO	CG-CD	9.10	1.81	1.50
1	66	18	PRO	CG-CD	9.10	1.81	1.50
1	7A	18	PRO	CG-CD	9.10	1.81	1.50
1	1A	18	PRO	CG-CD	9.10	1.81	1.50
2	1B	22	GLN	N-CA	-9.10	1.34	1.46
1	1I	18	PRO	CG-CD	9.10	1.81	1.50
2	1J	22	GLN	N-CA	-9.10	1.34	1.46
1	2E	18	PRO	CG-CD	9.10	1.81	1.50
2	2F	22	GLN	N-CA	-9.10	1.34	1.46
1	26	18	PRO	CG-CD	9.10	1.81	1.50
2	27	22	GLN	N-CA	-9.10	1.34	1.46
1	3E	18	PRO	CG-CD	9.10	1.81	1.50
2	3F	22	GLN	N-CA	-9.10	1.34	1.46
1	4A	18	PRO	CG-CD	9.10	1.81	1.50
2	4B	22	GLN	N-CA	-9.10	1.34	1.46
1	4M	18	PRO	CG-CD	9.10	1.81	1.50
2	4N	22	GLN	N-CA	-9.10	1.34	1.46
1	4U	18	PRO	CG-CD	9.10	1.81	1.50
2	4V	22	GLN	N-CA	-9.10	1.34	1.46
1	5Q	18	PRO	CG-CD	9.10	1.81	1.50
2	5R	22	GLN	N-CA	-9.10	1.34	1.46
1	6I	18	PRO	CG-CD	9.10	1.81	1.50
2	6J	22	GLN	N-CA	-9.10	1.34	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6Q	18	PRO	CG-CD	9.10	1.81	1.50
2	6R	22	GLN	N-CA	-9.10	1.34	1.46
1	7M	18	PRO	CG-CD	9.10	1.81	1.50
2	7N	22	GLN	N-CA	-9.10	1.34	1.46
1	1M	18	PRO	CG-CD	9.09	1.81	1.50
1	2I	18	PRO	CG-CD	9.09	1.81	1.50
1	3A	18	PRO	CG-CD	9.09	1.81	1.50
1	3I	18	PRO	CG-CD	9.09	1.81	1.50
1	32	18	PRO	CG-CD	9.09	1.81	1.50
1	4E	18	PRO	CG-CD	9.09	1.81	1.50
1	4Y	18	PRO	CG-CD	9.09	1.81	1.50
1	5U	18	PRO	CG-CD	9.09	1.81	1.50
1	6M	18	PRO	CG-CD	9.09	1.81	1.50
1	6U	18	PRO	CG-CD	9.09	1.81	1.50
1	7E	18	PRO	CG-CD	9.09	1.81	1.50
1	7Q	18	PRO	CG-CD	9.09	1.81	1.50
1	1E	18	PRO	CG-CD	9.09	1.81	1.50
1	2M	18	PRO	CG-CD	9.09	1.81	1.50
1	22	18	PRO	CG-CD	9.09	1.81	1.50
1	3M	18	PRO	CG-CD	9.09	1.81	1.50
1	36	18	PRO	CG-CD	9.09	1.81	1.50
1	4I	18	PRO	CG-CD	9.09	1.81	1.50
1	4Q	18	PRO	CG-CD	9.09	1.81	1.50
1	5Y	18	PRO	CG-CD	9.09	1.81	1.50
1	6E	18	PRO	CG-CD	9.09	1.81	1.50
1	6Y	18	PRO	CG-CD	9.09	1.81	1.50
1	7I	18	PRO	CG-CD	9.09	1.81	1.50
1	7U	18	PRO	CG-CD	9.09	1.81	1.50
2	13	47	ASP	CG-OD2	-9.09	1.08	1.25
2	13	227	TYR	CG-CD2	-9.09	1.20	1.39
2	17	47	ASP	CG-OD2	-9.09	1.08	1.25
2	17	227	TYR	CG-CD2	-9.09	1.20	1.39
2	2B	47	ASP	CG-OD2	-9.09	1.08	1.25
2	2B	227	TYR	CG-CD2	-9.09	1.20	1.39
2	3R	47	ASP	CG-OD2	-9.09	1.08	1.25
2	3R	227	TYR	CG-CD2	-9.09	1.20	1.39
2	3V	47	ASP	CG-OD2	-9.09	1.08	1.25
2	3V	227	TYR	CG-CD2	-9.09	1.20	1.39
2	3Z	47	ASP	CG-OD2	-9.09	1.08	1.25
2	3Z	227	TYR	CG-CD2	-9.09	1.20	1.39
2	5F	47	ASP	CG-OD2	-9.09	1.08	1.25
2	5F	227	TYR	CG-CD2	-9.09	1.20	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5J	47	ASP	CG-OD2	-9.09	1.08	1.25
2	5J	227	TYR	CG-CD2	-9.09	1.20	1.39
2	5N	47	ASP	CG-OD2	-9.09	1.08	1.25
2	5N	227	TYR	CG-CD2	-9.09	1.20	1.39
2	63	47	ASP	CG-OD2	-9.09	1.08	1.25
2	63	227	TYR	CG-CD2	-9.09	1.20	1.39
2	67	47	ASP	CG-OD2	-9.09	1.08	1.25
2	67	227	TYR	CG-CD2	-9.09	1.20	1.39
2	7B	47	ASP	CG-OD2	-9.09	1.08	1.25
2	7B	227	TYR	CG-CD2	-9.09	1.20	1.39
2	1N	47	ASP	CG-OD2	-9.08	1.08	1.25
2	2J	47	ASP	CG-OD2	-9.08	1.08	1.25
2	3B	47	ASP	CG-OD2	-9.08	1.08	1.25
2	3J	47	ASP	CG-OD2	-9.08	1.08	1.25
2	33	47	ASP	CG-OD2	-9.08	1.08	1.25
2	4F	47	ASP	CG-OD2	-9.08	1.08	1.25
2	4Z	47	ASP	CG-OD2	-9.08	1.08	1.25
2	5V	47	ASP	CG-OD2	-9.08	1.08	1.25
2	6N	47	ASP	CG-OD2	-9.08	1.08	1.25
2	6V	47	ASP	CG-OD2	-9.08	1.08	1.25
2	7F	47	ASP	CG-OD2	-9.08	1.08	1.25
2	7R	47	ASP	CG-OD2	-9.08	1.08	1.25
2	1F	227	TYR	CG-CD2	-9.08	1.20	1.39
2	3N	227	TYR	CG-CD2	-9.08	1.20	1.39
2	37	227	TYR	CG-CD2	-9.08	1.20	1.39
2	1B	227	TYR	CG-CD2	-9.08	1.20	1.39
2	1J	227	TYR	CG-CD2	-9.08	1.20	1.39
2	1R	227	TYR	CA-C	-9.08	1.42	1.52
2	1V	227	TYR	CA-C	-9.08	1.42	1.52
2	1Z	227	TYR	CA-C	-9.08	1.42	1.52
2	2N	227	TYR	CG-CD2	-9.08	1.20	1.39
2	2F	227	TYR	CG-CD2	-9.08	1.20	1.39
2	2R	227	TYR	CA-C	-9.08	1.42	1.52
2	2V	227	TYR	CA-C	-9.08	1.42	1.52
2	2Z	227	TYR	CA-C	-9.08	1.42	1.52
2	23	227	TYR	CG-CD2	-9.08	1.20	1.39
2	4J	227	TYR	CG-CD2	-9.08	1.20	1.39
2	4R	227	TYR	CG-CD2	-9.08	1.20	1.39
2	7J	227	TYR	CG-CD2	-9.08	1.20	1.39
2	7V	227	TYR	CG-CD2	-9.08	1.20	1.39
2	27	227	TYR	CG-CD2	-9.08	1.20	1.39
2	3F	227	TYR	CG-CD2	-9.08	1.20	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4B	227	TYR	CG-CD2	-9.08	1.20	1.39
2	4N	227	TYR	CG-CD2	-9.08	1.20	1.39
2	4V	227	TYR	CG-CD2	-9.08	1.20	1.39
2	43	227	TYR	CA-C	-9.08	1.42	1.52
2	47	227	TYR	CA-C	-9.08	1.42	1.52
2	5B	227	TYR	CA-C	-9.08	1.42	1.52
2	5Z	227	TYR	CG-CD2	-9.08	1.20	1.39
2	5R	227	TYR	CG-CD2	-9.08	1.20	1.39
2	53	227	TYR	CA-C	-9.08	1.42	1.52
2	57	227	TYR	CA-C	-9.08	1.42	1.52
2	6B	227	TYR	CA-C	-9.08	1.42	1.52
2	6F	227	TYR	CG-CD2	-9.08	1.20	1.39
2	6Z	227	TYR	CG-CD2	-9.08	1.20	1.39
2	6J	227	TYR	CG-CD2	-9.08	1.20	1.39
2	6R	227	TYR	CG-CD2	-9.08	1.20	1.39
2	7N	227	TYR	CG-CD2	-9.08	1.20	1.39
2	13	22	GLN	N-CA	-9.07	1.34	1.46
2	17	22	GLN	N-CA	-9.07	1.34	1.46
2	2B	22	GLN	N-CA	-9.07	1.34	1.46
2	3R	22	GLN	N-CA	-9.07	1.34	1.46
2	3V	22	GLN	N-CA	-9.07	1.34	1.46
2	3Z	22	GLN	N-CA	-9.07	1.34	1.46
2	5F	22	GLN	N-CA	-9.07	1.34	1.46
2	5J	22	GLN	N-CA	-9.07	1.34	1.46
2	5N	22	GLN	N-CA	-9.07	1.34	1.46
2	63	22	GLN	N-CA	-9.07	1.34	1.46
2	67	22	GLN	N-CA	-9.07	1.34	1.46
2	7B	22	GLN	N-CA	-9.07	1.34	1.46
2	1B	47	ASP	CG-OD2	-9.07	1.08	1.25
2	1J	47	ASP	CG-OD2	-9.07	1.08	1.25
2	2F	47	ASP	CG-OD2	-9.07	1.08	1.25
2	27	47	ASP	CG-OD2	-9.07	1.08	1.25
2	3F	47	ASP	CG-OD2	-9.07	1.08	1.25
2	4B	47	ASP	CG-OD2	-9.07	1.08	1.25
2	4N	47	ASP	CG-OD2	-9.07	1.08	1.25
2	4V	47	ASP	CG-OD2	-9.07	1.08	1.25
2	5R	47	ASP	CG-OD2	-9.07	1.08	1.25
2	6J	47	ASP	CG-OD2	-9.07	1.08	1.25
2	6R	47	ASP	CG-OD2	-9.07	1.08	1.25
2	7N	47	ASP	CG-OD2	-9.07	1.08	1.25
2	1F	47	ASP	CG-OD2	-9.07	1.08	1.25
2	2N	47	ASP	CG-OD2	-9.07	1.08	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	47	ASP	CG-OD2	-9.07	1.08	1.25
2	3N	47	ASP	CG-OD2	-9.07	1.08	1.25
2	37	47	ASP	CG-OD2	-9.07	1.08	1.25
2	4J	47	ASP	CG-OD2	-9.07	1.08	1.25
2	4R	47	ASP	CG-OD2	-9.07	1.08	1.25
2	5Z	47	ASP	CG-OD2	-9.07	1.08	1.25
2	6F	47	ASP	CG-OD2	-9.07	1.08	1.25
2	6Z	47	ASP	CG-OD2	-9.07	1.08	1.25
2	7J	47	ASP	CG-OD2	-9.07	1.08	1.25
2	7V	47	ASP	CG-OD2	-9.07	1.08	1.25
2	1B	227	TYR	CA-C	-9.07	1.42	1.52
2	1J	227	TYR	CA-C	-9.07	1.42	1.52
2	2F	227	TYR	CA-C	-9.07	1.42	1.52
2	27	227	TYR	CA-C	-9.07	1.42	1.52
2	3F	227	TYR	CA-C	-9.07	1.42	1.52
2	4B	227	TYR	CA-C	-9.07	1.42	1.52
2	4N	227	TYR	CA-C	-9.07	1.42	1.52
2	4V	227	TYR	CA-C	-9.07	1.42	1.52
2	5R	227	TYR	CA-C	-9.07	1.42	1.52
2	6J	227	TYR	CA-C	-9.07	1.42	1.52
2	6R	227	TYR	CA-C	-9.07	1.42	1.52
2	7N	227	TYR	CA-C	-9.07	1.42	1.52
2	1N	22	GLN	N-CA	-9.06	1.34	1.46
2	2J	22	GLN	N-CA	-9.06	1.34	1.46
2	3B	22	GLN	N-CA	-9.06	1.34	1.46
2	3J	22	GLN	N-CA	-9.06	1.34	1.46
2	33	22	GLN	N-CA	-9.06	1.34	1.46
2	4F	22	GLN	N-CA	-9.06	1.34	1.46
2	4Z	22	GLN	N-CA	-9.06	1.34	1.46
2	5V	22	GLN	N-CA	-9.06	1.34	1.46
2	6N	22	GLN	N-CA	-9.06	1.34	1.46
2	6V	22	GLN	N-CA	-9.06	1.34	1.46
2	7F	22	GLN	N-CA	-9.06	1.34	1.46
2	7R	22	GLN	N-CA	-9.06	1.34	1.46
2	1R	227	TYR	CG-CD2	-9.05	1.20	1.39
2	1V	227	TYR	CG-CD2	-9.05	1.20	1.39
2	1Z	227	TYR	CG-CD2	-9.05	1.20	1.39
2	2R	227	TYR	CG-CD2	-9.05	1.20	1.39
2	2V	227	TYR	CG-CD2	-9.05	1.20	1.39
2	2Z	227	TYR	CG-CD2	-9.05	1.20	1.39
2	43	227	TYR	CG-CD2	-9.05	1.20	1.39
2	47	227	TYR	CG-CD2	-9.05	1.20	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	227	TYR	CG-CD2	-9.05	1.20	1.39
2	53	227	TYR	CG-CD2	-9.05	1.20	1.39
2	57	227	TYR	CG-CD2	-9.05	1.20	1.39
2	6B	227	TYR	CG-CD2	-9.05	1.20	1.39
2	1N	53	LYS	C-N	9.05	1.45	1.33
2	2J	53	LYS	C-N	9.05	1.45	1.33
2	3B	53	LYS	C-N	9.05	1.45	1.33
2	3J	53	LYS	C-N	9.05	1.45	1.33
2	33	53	LYS	C-N	9.05	1.45	1.33
2	4F	53	LYS	C-N	9.05	1.45	1.33
2	4Z	53	LYS	C-N	9.05	1.45	1.33
2	5V	53	LYS	C-N	9.05	1.45	1.33
2	6N	53	LYS	C-N	9.05	1.45	1.33
2	6V	53	LYS	C-N	9.05	1.45	1.33
2	7F	53	LYS	C-N	9.05	1.45	1.33
2	7R	53	LYS	C-N	9.05	1.45	1.33
2	1B	53	LYS	C-N	9.04	1.45	1.33
2	1J	53	LYS	C-N	9.04	1.45	1.33
2	1R	47	ASP	CG-OD2	-9.04	1.08	1.25
2	1V	47	ASP	CG-OD2	-9.04	1.08	1.25
2	1Z	47	ASP	CG-OD2	-9.04	1.08	1.25
2	2F	53	LYS	C-N	9.04	1.45	1.33
2	2R	47	ASP	CG-OD2	-9.04	1.08	1.25
2	2V	47	ASP	CG-OD2	-9.04	1.08	1.25
2	2Z	47	ASP	CG-OD2	-9.04	1.08	1.25
2	27	53	LYS	C-N	9.04	1.45	1.33
2	3F	53	LYS	C-N	9.04	1.45	1.33
2	4B	53	LYS	C-N	9.04	1.45	1.33
2	4N	53	LYS	C-N	9.04	1.45	1.33
2	4V	53	LYS	C-N	9.04	1.45	1.33
2	43	47	ASP	CG-OD2	-9.04	1.08	1.25
2	47	47	ASP	CG-OD2	-9.04	1.08	1.25
2	5B	47	ASP	CG-OD2	-9.04	1.08	1.25
2	5R	53	LYS	C-N	9.04	1.45	1.33
2	53	47	ASP	CG-OD2	-9.04	1.08	1.25
2	57	47	ASP	CG-OD2	-9.04	1.08	1.25
2	6B	47	ASP	CG-OD2	-9.04	1.08	1.25
2	6J	53	LYS	C-N	9.04	1.45	1.33
2	6R	53	LYS	C-N	9.04	1.45	1.33
2	7N	53	LYS	C-N	9.04	1.45	1.33
2	1F	53	LYS	C-N	9.04	1.45	1.33
2	2N	53	LYS	C-N	9.04	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	53	LYS	C-N	9.04	1.45	1.33
2	3N	53	LYS	C-N	9.04	1.45	1.33
2	37	53	LYS	C-N	9.04	1.45	1.33
2	4J	53	LYS	C-N	9.04	1.45	1.33
2	4R	53	LYS	C-N	9.04	1.45	1.33
2	5Z	53	LYS	C-N	9.04	1.45	1.33
2	6F	53	LYS	C-N	9.04	1.45	1.33
2	6Z	53	LYS	C-N	9.04	1.45	1.33
2	7J	53	LYS	C-N	9.04	1.45	1.33
2	7V	53	LYS	C-N	9.04	1.45	1.33
2	13	224	VAL	CB-CG2	-9.04	1.22	1.52
2	17	224	VAL	CB-CG2	-9.04	1.22	1.52
2	2B	224	VAL	CB-CG2	-9.04	1.22	1.52
2	3R	224	VAL	CB-CG2	-9.04	1.22	1.52
2	3V	224	VAL	CB-CG2	-9.04	1.22	1.52
2	3Z	224	VAL	CB-CG2	-9.04	1.22	1.52
2	5F	224	VAL	CB-CG2	-9.04	1.22	1.52
2	5J	224	VAL	CB-CG2	-9.04	1.22	1.52
2	5N	224	VAL	CB-CG2	-9.04	1.22	1.52
2	63	224	VAL	CB-CG2	-9.04	1.22	1.52
2	67	224	VAL	CB-CG2	-9.04	1.22	1.52
2	7B	224	VAL	CB-CG2	-9.04	1.22	1.52
2	1R	53	LYS	C-N	9.03	1.45	1.33
2	1R	224	VAL	CB-CG2	-9.03	1.22	1.52
2	1V	53	LYS	C-N	9.03	1.45	1.33
2	1V	224	VAL	CB-CG2	-9.03	1.22	1.52
2	1Z	53	LYS	C-N	9.03	1.45	1.33
2	1Z	224	VAL	CB-CG2	-9.03	1.22	1.52
2	2R	53	LYS	C-N	9.03	1.45	1.33
2	2R	224	VAL	CB-CG2	-9.03	1.22	1.52
2	2V	53	LYS	C-N	9.03	1.45	1.33
2	2V	224	VAL	CB-CG2	-9.03	1.22	1.52
2	2Z	53	LYS	C-N	9.03	1.45	1.33
2	2Z	224	VAL	CB-CG2	-9.03	1.22	1.52
2	43	53	LYS	C-N	9.03	1.45	1.33
2	43	224	VAL	CB-CG2	-9.03	1.22	1.52
2	47	53	LYS	C-N	9.03	1.45	1.33
2	47	224	VAL	CB-CG2	-9.03	1.22	1.52
2	5B	53	LYS	C-N	9.03	1.45	1.33
2	5B	224	VAL	CB-CG2	-9.03	1.22	1.52
2	53	53	LYS	C-N	9.03	1.45	1.33
2	53	224	VAL	CB-CG2	-9.03	1.22	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	57	53	LYS	C-N	9.03	1.45	1.33
2	57	224	VAL	CB-CG2	-9.03	1.22	1.52
2	6B	53	LYS	C-N	9.03	1.45	1.33
2	6B	224	VAL	CB-CG2	-9.03	1.22	1.52
2	13	23	HIS	CD2-NE2	-9.02	1.27	1.37
2	17	23	HIS	CD2-NE2	-9.02	1.27	1.37
2	2B	23	HIS	CD2-NE2	-9.02	1.27	1.37
2	3R	23	HIS	CD2-NE2	-9.02	1.27	1.37
2	3V	23	HIS	CD2-NE2	-9.02	1.27	1.37
2	3Z	23	HIS	CD2-NE2	-9.02	1.27	1.37
2	5F	23	HIS	CD2-NE2	-9.02	1.27	1.37
2	5J	23	HIS	CD2-NE2	-9.02	1.27	1.37
2	5N	23	HIS	CD2-NE2	-9.02	1.27	1.37
2	63	23	HIS	CD2-NE2	-9.02	1.27	1.37
2	67	23	HIS	CD2-NE2	-9.02	1.27	1.37
2	7B	23	HIS	CD2-NE2	-9.02	1.27	1.37
2	1F	227	TYR	CA-C	-9.01	1.42	1.52
2	2N	227	TYR	CA-C	-9.01	1.42	1.52
2	23	227	TYR	CA-C	-9.01	1.42	1.52
2	3N	227	TYR	CA-C	-9.01	1.42	1.52
2	37	227	TYR	CA-C	-9.01	1.42	1.52
2	4J	227	TYR	CA-C	-9.01	1.42	1.52
2	4R	227	TYR	CA-C	-9.01	1.42	1.52
2	5Z	227	TYR	CA-C	-9.01	1.42	1.52
2	6F	227	TYR	CA-C	-9.01	1.42	1.52
2	6Z	227	TYR	CA-C	-9.01	1.42	1.52
2	7J	227	TYR	CA-C	-9.01	1.42	1.52
2	7V	227	TYR	CA-C	-9.01	1.42	1.52
2	1B	224	VAL	CB-CG2	-9.01	1.22	1.52
2	1J	224	VAL	CB-CG2	-9.01	1.22	1.52
2	2F	224	VAL	CB-CG2	-9.01	1.22	1.52
2	27	224	VAL	CB-CG2	-9.01	1.22	1.52
2	3F	224	VAL	CB-CG2	-9.01	1.22	1.52
2	4B	224	VAL	CB-CG2	-9.01	1.22	1.52
2	4N	224	VAL	CB-CG2	-9.01	1.22	1.52
2	4V	224	VAL	CB-CG2	-9.01	1.22	1.52
2	5R	224	VAL	CB-CG2	-9.01	1.22	1.52
2	6J	224	VAL	CB-CG2	-9.01	1.22	1.52
2	6R	224	VAL	CB-CG2	-9.01	1.22	1.52
2	7N	224	VAL	CB-CG2	-9.01	1.22	1.52
2	1N	224	VAL	CB-CG2	-9.01	1.22	1.52
2	1N	227	TYR	CA-C	-9.01	1.42	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	13	227	TYR	CA-C	-9.01	1.42	1.52
2	17	227	TYR	CA-C	-9.01	1.42	1.52
2	2B	227	TYR	CA-C	-9.01	1.42	1.52
2	2J	224	VAL	CB-CG2	-9.01	1.22	1.52
2	2J	227	TYR	CA-C	-9.01	1.42	1.52
2	3B	224	VAL	CB-CG2	-9.01	1.22	1.52
2	3B	227	TYR	CA-C	-9.01	1.42	1.52
2	3J	224	VAL	CB-CG2	-9.01	1.22	1.52
2	3J	227	TYR	CA-C	-9.01	1.42	1.52
2	3R	227	TYR	CA-C	-9.01	1.42	1.52
2	3V	227	TYR	CA-C	-9.01	1.42	1.52
2	3Z	227	TYR	CA-C	-9.01	1.42	1.52
2	33	224	VAL	CB-CG2	-9.01	1.22	1.52
2	33	227	TYR	CA-C	-9.01	1.42	1.52
2	4F	224	VAL	CB-CG2	-9.01	1.22	1.52
2	4F	227	TYR	CA-C	-9.01	1.42	1.52
2	4Z	224	VAL	CB-CG2	-9.01	1.22	1.52
2	4Z	227	TYR	CA-C	-9.01	1.42	1.52
2	5F	227	TYR	CA-C	-9.01	1.42	1.52
2	5J	227	TYR	CA-C	-9.01	1.42	1.52
2	5N	227	TYR	CA-C	-9.01	1.42	1.52
2	5V	224	VAL	CB-CG2	-9.01	1.22	1.52
2	5V	227	TYR	CA-C	-9.01	1.42	1.52
2	6N	224	VAL	CB-CG2	-9.01	1.22	1.52
2	6N	227	TYR	CA-C	-9.01	1.42	1.52
2	6V	224	VAL	CB-CG2	-9.01	1.22	1.52
2	6V	227	TYR	CA-C	-9.01	1.42	1.52
2	63	227	TYR	CA-C	-9.01	1.42	1.52
2	67	227	TYR	CA-C	-9.01	1.42	1.52
2	7B	227	TYR	CA-C	-9.01	1.42	1.52
2	7F	224	VAL	CB-CG2	-9.01	1.22	1.52
2	7F	227	TYR	CA-C	-9.01	1.42	1.52
2	7R	224	VAL	CB-CG2	-9.01	1.22	1.52
2	7R	227	TYR	CA-C	-9.01	1.42	1.52
2	1N	23	HIS	CD2-NE2	-9.00	1.27	1.37
2	2J	23	HIS	CD2-NE2	-9.00	1.27	1.37
2	3B	23	HIS	CD2-NE2	-9.00	1.27	1.37
2	3J	23	HIS	CD2-NE2	-9.00	1.27	1.37
2	33	23	HIS	CD2-NE2	-9.00	1.27	1.37
2	4F	23	HIS	CD2-NE2	-9.00	1.27	1.37
2	4Z	23	HIS	CD2-NE2	-9.00	1.27	1.37
2	5V	23	HIS	CD2-NE2	-9.00	1.27	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	23	HIS	CD2-NE2	-9.00	1.27	1.37
2	6V	23	HIS	CD2-NE2	-9.00	1.27	1.37
2	7F	23	HIS	CD2-NE2	-9.00	1.27	1.37
2	7R	23	HIS	CD2-NE2	-9.00	1.27	1.37
2	13	53	LYS	C-N	9.00	1.45	1.33
2	17	53	LYS	C-N	9.00	1.45	1.33
2	2B	53	LYS	C-N	9.00	1.45	1.33
2	3R	53	LYS	C-N	9.00	1.45	1.33
2	3V	53	LYS	C-N	9.00	1.45	1.33
2	3Z	53	LYS	C-N	9.00	1.45	1.33
2	5F	53	LYS	C-N	9.00	1.45	1.33
2	5J	53	LYS	C-N	9.00	1.45	1.33
2	5N	53	LYS	C-N	9.00	1.45	1.33
2	63	53	LYS	C-N	9.00	1.45	1.33
2	67	53	LYS	C-N	9.00	1.45	1.33
2	7B	53	LYS	C-N	9.00	1.45	1.33
2	1F	224	VAL	CB-CG2	-8.99	1.22	1.52
2	2N	224	VAL	CB-CG2	-8.99	1.22	1.52
2	23	224	VAL	CB-CG2	-8.99	1.22	1.52
2	3N	224	VAL	CB-CG2	-8.99	1.22	1.52
2	37	224	VAL	CB-CG2	-8.99	1.22	1.52
2	4J	224	VAL	CB-CG2	-8.99	1.22	1.52
2	4R	224	VAL	CB-CG2	-8.99	1.22	1.52
2	5Z	224	VAL	CB-CG2	-8.99	1.22	1.52
2	6F	224	VAL	CB-CG2	-8.99	1.22	1.52
2	6Z	224	VAL	CB-CG2	-8.99	1.22	1.52
2	7J	224	VAL	CB-CG2	-8.99	1.22	1.52
2	7V	224	VAL	CB-CG2	-8.99	1.22	1.52
2	1B	23	HIS	CD2-NE2	-8.97	1.27	1.37
2	1J	23	HIS	CD2-NE2	-8.97	1.27	1.37
2	2F	23	HIS	CD2-NE2	-8.97	1.27	1.37
2	27	23	HIS	CD2-NE2	-8.97	1.27	1.37
2	3F	23	HIS	CD2-NE2	-8.97	1.27	1.37
2	4B	23	HIS	CD2-NE2	-8.97	1.27	1.37
2	4N	23	HIS	CD2-NE2	-8.97	1.27	1.37
2	4V	23	HIS	CD2-NE2	-8.97	1.27	1.37
2	5R	23	HIS	CD2-NE2	-8.97	1.27	1.37
2	6J	23	HIS	CD2-NE2	-8.97	1.27	1.37
2	6R	23	HIS	CD2-NE2	-8.97	1.27	1.37
2	7N	23	HIS	CD2-NE2	-8.97	1.27	1.37
2	1N	57	LYS	CD-CE	-8.97	1.25	1.52
2	2J	57	LYS	CD-CE	-8.97	1.25	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	57	LYS	CD-CE	-8.97	1.25	1.52
2	3J	57	LYS	CD-CE	-8.97	1.25	1.52
2	33	57	LYS	CD-CE	-8.97	1.25	1.52
2	4F	57	LYS	CD-CE	-8.97	1.25	1.52
2	4Z	57	LYS	CD-CE	-8.97	1.25	1.52
2	5V	57	LYS	CD-CE	-8.97	1.25	1.52
2	6N	57	LYS	CD-CE	-8.97	1.25	1.52
2	6V	57	LYS	CD-CE	-8.97	1.25	1.52
2	7F	57	LYS	CD-CE	-8.97	1.25	1.52
2	7R	57	LYS	CD-CE	-8.97	1.25	1.52
2	13	57	LYS	CD-CE	-8.97	1.25	1.52
2	17	57	LYS	CD-CE	-8.97	1.25	1.52
2	2B	57	LYS	CD-CE	-8.97	1.25	1.52
2	3R	57	LYS	CD-CE	-8.97	1.25	1.52
2	3V	57	LYS	CD-CE	-8.97	1.25	1.52
2	3Z	57	LYS	CD-CE	-8.97	1.25	1.52
2	5F	57	LYS	CD-CE	-8.97	1.25	1.52
2	5J	57	LYS	CD-CE	-8.97	1.25	1.52
2	5N	57	LYS	CD-CE	-8.97	1.25	1.52
2	63	57	LYS	CD-CE	-8.97	1.25	1.52
2	67	57	LYS	CD-CE	-8.97	1.25	1.52
2	7B	57	LYS	CD-CE	-8.97	1.25	1.52
2	1B	57	LYS	CD-CE	-8.96	1.25	1.52
2	1F	57	LYS	CD-CE	-8.96	1.25	1.52
2	13	23	HIS	CE1-NE2	8.97	1.41	1.32
2	17	23	HIS	CE1-NE2	8.97	1.41	1.32
2	2B	23	HIS	CE1-NE2	8.97	1.41	1.32
2	3V	23	HIS	CE1-NE2	8.97	1.41	1.32
2	1J	57	LYS	CD-CE	-8.96	1.25	1.52
2	2F	57	LYS	CD-CE	-8.96	1.25	1.52
2	2N	57	LYS	CD-CE	-8.96	1.25	1.52
2	23	57	LYS	CD-CE	-8.96	1.25	1.52
2	3R	23	HIS	CE1-NE2	8.97	1.41	1.32
2	3Z	23	HIS	CE1-NE2	8.97	1.41	1.32
2	5F	23	HIS	CE1-NE2	8.97	1.41	1.32
2	5N	23	HIS	CE1-NE2	8.97	1.41	1.32
2	63	23	HIS	CE1-NE2	8.97	1.41	1.32
2	67	23	HIS	CE1-NE2	8.97	1.41	1.32
2	27	57	LYS	CD-CE	-8.96	1.25	1.52
2	3F	57	LYS	CD-CE	-8.96	1.25	1.52
2	3N	57	LYS	CD-CE	-8.96	1.25	1.52
2	37	57	LYS	CD-CE	-8.96	1.25	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5J	23	HIS	CE1-NE2	8.97	1.41	1.32
2	7B	23	HIS	CE1-NE2	8.97	1.41	1.32
2	4B	57	LYS	CD-CE	-8.96	1.25	1.52
2	4J	57	LYS	CD-CE	-8.96	1.25	1.52
2	4N	57	LYS	CD-CE	-8.96	1.25	1.52
2	4R	57	LYS	CD-CE	-8.96	1.25	1.52
2	4V	57	LYS	CD-CE	-8.96	1.25	1.52
2	5R	57	LYS	CD-CE	-8.96	1.25	1.52
2	5Z	57	LYS	CD-CE	-8.96	1.25	1.52
2	6F	57	LYS	CD-CE	-8.96	1.25	1.52
2	6J	57	LYS	CD-CE	-8.96	1.25	1.52
2	6R	57	LYS	CD-CE	-8.96	1.25	1.52
2	6Z	57	LYS	CD-CE	-8.96	1.25	1.52
2	7J	57	LYS	CD-CE	-8.96	1.25	1.52
2	7N	57	LYS	CD-CE	-8.96	1.25	1.52
2	7V	57	LYS	CD-CE	-8.96	1.25	1.52
1	1Q	43	HIS	N-CA	8.96	1.57	1.46
1	1U	43	HIS	N-CA	8.96	1.57	1.46
1	1Y	43	HIS	N-CA	8.96	1.57	1.46
1	2Q	43	HIS	N-CA	8.96	1.57	1.46
1	2U	43	HIS	N-CA	8.96	1.57	1.46
1	2Y	43	HIS	N-CA	8.96	1.57	1.46
1	42	43	HIS	N-CA	8.96	1.57	1.46
1	46	43	HIS	N-CA	8.96	1.57	1.46
1	5A	43	HIS	N-CA	8.96	1.57	1.46
1	52	43	HIS	N-CA	8.96	1.57	1.46
1	56	43	HIS	N-CA	8.96	1.57	1.46
1	6A	43	HIS	N-CA	8.96	1.57	1.46
1	1M	29	TYR	CE2-CZ	-8.96	1.16	1.38
2	1R	57	LYS	CD-CE	-8.96	1.25	1.52
2	1V	57	LYS	CD-CE	-8.96	1.25	1.52
2	1Z	57	LYS	CD-CE	-8.96	1.25	1.52
2	2R	57	LYS	CD-CE	-8.96	1.25	1.52
2	2V	57	LYS	CD-CE	-8.96	1.25	1.52
2	43	57	LYS	CD-CE	-8.96	1.25	1.52
2	47	57	LYS	CD-CE	-8.96	1.25	1.52
2	5B	57	LYS	CD-CE	-8.96	1.25	1.52
2	53	57	LYS	CD-CE	-8.96	1.25	1.52
1	1Q	29	TYR	CE2-CZ	-8.95	1.16	1.38
2	1R	23	HIS	CD2-NE2	-8.95	1.28	1.37
1	1U	29	TYR	CE2-CZ	-8.95	1.16	1.38
2	1V	23	HIS	CD2-NE2	-8.95	1.28	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	29	TYR	CE2-CZ	-8.95	1.16	1.38
2	1Z	23	HIS	CD2-NE2	-8.95	1.28	1.37
1	2I	29	TYR	CE2-CZ	-8.96	1.16	1.38
2	2Z	57	LYS	CD-CE	-8.96	1.25	1.52
1	2Q	29	TYR	CE2-CZ	-8.95	1.16	1.38
2	2R	23	HIS	CD2-NE2	-8.95	1.28	1.37
1	2U	29	TYR	CE2-CZ	-8.95	1.16	1.38
2	2V	23	HIS	CD2-NE2	-8.95	1.28	1.37
1	2Y	29	TYR	CE2-CZ	-8.95	1.16	1.38
2	2Z	23	HIS	CD2-NE2	-8.95	1.28	1.37
1	3A	29	TYR	CE2-CZ	-8.96	1.16	1.38
1	3I	29	TYR	CE2-CZ	-8.96	1.16	1.38
1	32	29	TYR	CE2-CZ	-8.96	1.16	1.38
1	4E	29	TYR	CE2-CZ	-8.96	1.16	1.38
1	4Y	29	TYR	CE2-CZ	-8.96	1.16	1.38
1	42	29	TYR	CE2-CZ	-8.95	1.16	1.38
2	43	23	HIS	CD2-NE2	-8.95	1.28	1.37
1	46	29	TYR	CE2-CZ	-8.95	1.16	1.38
2	47	23	HIS	CD2-NE2	-8.95	1.28	1.37
1	5A	29	TYR	CE2-CZ	-8.95	1.16	1.38
2	5B	23	HIS	CD2-NE2	-8.95	1.28	1.37
1	5U	29	TYR	CE2-CZ	-8.96	1.16	1.38
2	57	57	LYS	CD-CE	-8.96	1.25	1.52
2	6B	57	LYS	CD-CE	-8.96	1.25	1.52
1	52	29	TYR	CE2-CZ	-8.95	1.16	1.38
2	53	23	HIS	CD2-NE2	-8.95	1.28	1.37
1	56	29	TYR	CE2-CZ	-8.95	1.16	1.38
2	57	23	HIS	CD2-NE2	-8.95	1.28	1.37
1	6A	29	TYR	CE2-CZ	-8.95	1.16	1.38
2	6B	23	HIS	CD2-NE2	-8.95	1.28	1.37
1	6M	29	TYR	CE2-CZ	-8.96	1.16	1.38
1	6U	29	TYR	CE2-CZ	-8.96	1.16	1.38
1	7E	29	TYR	CE2-CZ	-8.96	1.16	1.38
1	7Q	29	TYR	CE2-CZ	-8.96	1.16	1.38
2	1R	23	HIS	CE1-NE2	8.95	1.41	1.32
2	1V	23	HIS	CE1-NE2	8.95	1.41	1.32
2	1Z	23	HIS	CE1-NE2	8.95	1.41	1.32
2	2R	23	HIS	CE1-NE2	8.95	1.41	1.32
2	2V	23	HIS	CE1-NE2	8.95	1.41	1.32
2	2Z	23	HIS	CE1-NE2	8.95	1.41	1.32
2	43	23	HIS	CE1-NE2	8.95	1.41	1.32
2	47	23	HIS	CE1-NE2	8.95	1.41	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	23	HIS	CE1-NE2	8.95	1.41	1.32
2	53	23	HIS	CE1-NE2	8.95	1.41	1.32
2	57	23	HIS	CE1-NE2	8.95	1.41	1.32
2	6B	23	HIS	CE1-NE2	8.95	1.41	1.32
1	1A	29	TYR	CE2-CZ	-8.95	1.16	1.38
1	1I	29	TYR	CE2-CZ	-8.95	1.16	1.38
1	2E	29	TYR	CE2-CZ	-8.95	1.16	1.38
1	26	29	TYR	CE2-CZ	-8.95	1.16	1.38
1	3E	29	TYR	CE2-CZ	-8.95	1.16	1.38
1	4A	29	TYR	CE2-CZ	-8.95	1.16	1.38
1	4M	29	TYR	CE2-CZ	-8.95	1.16	1.38
1	4U	29	TYR	CE2-CZ	-8.95	1.16	1.38
1	5Q	29	TYR	CE2-CZ	-8.95	1.16	1.38
1	6I	29	TYR	CE2-CZ	-8.95	1.16	1.38
1	6Q	29	TYR	CE2-CZ	-8.95	1.16	1.38
1	7M	29	TYR	CE2-CZ	-8.95	1.16	1.38
1	12	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	16	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	2A	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	3Q	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	3U	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	3Y	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	5E	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	5I	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	5M	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	62	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	66	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	7A	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	1E	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	2M	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	22	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	3M	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	36	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	4I	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	4Q	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	5Y	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	6E	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	6Y	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	7I	29	TYR	CE2-CZ	-8.94	1.16	1.38
1	7U	29	TYR	CE2-CZ	-8.94	1.16	1.38
2	1B	23	HIS	CE1-NE2	8.93	1.41	1.32
2	1J	23	HIS	CE1-NE2	8.93	1.41	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	23	HIS	CE1-NE2	8.93	1.41	1.32
2	27	23	HIS	CE1-NE2	8.93	1.41	1.32
2	3F	23	HIS	CE1-NE2	8.93	1.41	1.32
2	4B	23	HIS	CE1-NE2	8.93	1.41	1.32
2	4N	23	HIS	CE1-NE2	8.93	1.41	1.32
2	4V	23	HIS	CE1-NE2	8.93	1.41	1.32
2	5R	23	HIS	CE1-NE2	8.93	1.41	1.32
2	6J	23	HIS	CE1-NE2	8.93	1.41	1.32
2	6R	23	HIS	CE1-NE2	8.93	1.41	1.32
2	7N	23	HIS	CE1-NE2	8.93	1.41	1.32
2	1F	23	HIS	CD2-NE2	-8.93	1.28	1.37
2	2N	23	HIS	CD2-NE2	-8.93	1.28	1.37
2	23	23	HIS	CD2-NE2	-8.93	1.28	1.37
2	3N	23	HIS	CD2-NE2	-8.93	1.28	1.37
2	37	23	HIS	CD2-NE2	-8.93	1.28	1.37
2	4J	23	HIS	CD2-NE2	-8.93	1.28	1.37
2	4R	23	HIS	CD2-NE2	-8.93	1.28	1.37
2	5Z	23	HIS	CD2-NE2	-8.93	1.28	1.37
2	6F	23	HIS	CD2-NE2	-8.93	1.28	1.37
2	6Z	23	HIS	CD2-NE2	-8.93	1.28	1.37
2	7J	23	HIS	CD2-NE2	-8.93	1.28	1.37
2	7V	23	HIS	CD2-NE2	-8.93	1.28	1.37
1	1E	43	HIS	N-CA	8.91	1.57	1.46
1	2M	43	HIS	N-CA	8.91	1.57	1.46
1	22	43	HIS	N-CA	8.91	1.57	1.46
1	3M	43	HIS	N-CA	8.91	1.57	1.46
1	36	43	HIS	N-CA	8.91	1.57	1.46
1	4I	43	HIS	N-CA	8.91	1.57	1.46
1	4Q	43	HIS	N-CA	8.91	1.57	1.46
1	5Y	43	HIS	N-CA	8.91	1.57	1.46
1	6E	43	HIS	N-CA	8.91	1.57	1.46
1	6Y	43	HIS	N-CA	8.91	1.57	1.46
1	7I	43	HIS	N-CA	8.91	1.57	1.46
1	7U	43	HIS	N-CA	8.91	1.57	1.46
1	1A	43	HIS	N-CA	8.91	1.57	1.46
1	1I	43	HIS	N-CA	8.91	1.57	1.46
1	2E	43	HIS	N-CA	8.91	1.57	1.46
1	26	43	HIS	N-CA	8.91	1.57	1.46
1	3E	43	HIS	N-CA	8.91	1.57	1.46
1	4A	43	HIS	N-CA	8.91	1.57	1.46
1	4M	43	HIS	N-CA	8.91	1.57	1.46
1	4U	43	HIS	N-CA	8.91	1.57	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	43	HIS	N-CA	8.91	1.57	1.46
1	6I	43	HIS	N-CA	8.91	1.57	1.46
1	6Q	43	HIS	N-CA	8.91	1.57	1.46
1	7M	43	HIS	N-CA	8.91	1.57	1.46
2	1N	23	HIS	CE1-NE2	8.89	1.41	1.32
2	2J	23	HIS	CE1-NE2	8.89	1.41	1.32
2	3B	23	HIS	CE1-NE2	8.89	1.41	1.32
2	3J	23	HIS	CE1-NE2	8.89	1.41	1.32
2	33	23	HIS	CE1-NE2	8.89	1.41	1.32
2	4F	23	HIS	CE1-NE2	8.89	1.41	1.32
2	4Z	23	HIS	CE1-NE2	8.89	1.41	1.32
2	5V	23	HIS	CE1-NE2	8.89	1.41	1.32
2	6N	23	HIS	CE1-NE2	8.89	1.41	1.32
2	6V	23	HIS	CE1-NE2	8.89	1.41	1.32
2	7F	23	HIS	CE1-NE2	8.89	1.41	1.32
2	7R	23	HIS	CE1-NE2	8.89	1.41	1.32
1	1Q	168	GLN	CA-C	-8.88	1.40	1.52
1	1U	168	GLN	CA-C	-8.88	1.40	1.52
1	1Y	168	GLN	CA-C	-8.88	1.40	1.52
1	12	43	HIS	N-CA	8.89	1.57	1.46
1	16	43	HIS	N-CA	8.89	1.57	1.46
1	2A	43	HIS	N-CA	8.89	1.57	1.46
1	2Q	168	GLN	CA-C	-8.88	1.40	1.52
1	2U	168	GLN	CA-C	-8.88	1.40	1.52
1	2Y	168	GLN	CA-C	-8.88	1.40	1.52
1	3Q	43	HIS	N-CA	8.89	1.57	1.46
1	3U	43	HIS	N-CA	8.89	1.57	1.46
1	3Y	43	HIS	N-CA	8.89	1.57	1.46
1	42	168	GLN	CA-C	-8.88	1.40	1.52
1	46	168	GLN	CA-C	-8.88	1.40	1.52
1	5A	168	GLN	CA-C	-8.88	1.40	1.52
1	5E	43	HIS	N-CA	8.89	1.57	1.46
1	5I	43	HIS	N-CA	8.89	1.57	1.46
1	5M	43	HIS	N-CA	8.89	1.57	1.46
1	52	168	GLN	CA-C	-8.88	1.40	1.52
1	56	168	GLN	CA-C	-8.88	1.40	1.52
1	6A	168	GLN	CA-C	-8.88	1.40	1.52
1	62	43	HIS	N-CA	8.89	1.57	1.46
1	66	43	HIS	N-CA	8.89	1.57	1.46
1	7A	43	HIS	N-CA	8.89	1.57	1.46
1	1M	168	GLN	CA-C	-8.88	1.40	1.52
1	2I	168	GLN	CA-C	-8.88	1.40	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	168	GLN	CA-C	-8.88	1.40	1.52
1	3I	168	GLN	CA-C	-8.88	1.40	1.52
1	32	168	GLN	CA-C	-8.88	1.40	1.52
1	4E	168	GLN	CA-C	-8.88	1.40	1.52
1	4Y	168	GLN	CA-C	-8.88	1.40	1.52
1	5U	168	GLN	CA-C	-8.88	1.40	1.52
1	6M	168	GLN	CA-C	-8.88	1.40	1.52
1	6U	168	GLN	CA-C	-8.88	1.40	1.52
1	7E	168	GLN	CA-C	-8.88	1.40	1.52
1	7Q	168	GLN	CA-C	-8.88	1.40	1.52
1	12	168	GLN	CA-C	-8.88	1.40	1.52
1	16	168	GLN	CA-C	-8.88	1.40	1.52
1	2A	168	GLN	CA-C	-8.88	1.40	1.52
1	3Q	168	GLN	CA-C	-8.88	1.40	1.52
1	3U	168	GLN	CA-C	-8.88	1.40	1.52
1	3Y	168	GLN	CA-C	-8.88	1.40	1.52
1	5E	168	GLN	CA-C	-8.88	1.40	1.52
1	5I	168	GLN	CA-C	-8.88	1.40	1.52
1	5M	168	GLN	CA-C	-8.88	1.40	1.52
1	62	168	GLN	CA-C	-8.88	1.40	1.52
1	66	168	GLN	CA-C	-8.88	1.40	1.52
1	7A	168	GLN	CA-C	-8.88	1.40	1.52
1	1Q	52	PHE	CG-CD1	-8.88	1.20	1.38
1	1U	52	PHE	CG-CD1	-8.88	1.20	1.38
1	1Y	52	PHE	CG-CD1	-8.88	1.20	1.38
1	2Q	52	PHE	CG-CD1	-8.88	1.20	1.38
1	2U	52	PHE	CG-CD1	-8.88	1.20	1.38
1	2Y	52	PHE	CG-CD1	-8.88	1.20	1.38
1	42	52	PHE	CG-CD1	-8.88	1.20	1.38
1	46	52	PHE	CG-CD1	-8.88	1.20	1.38
1	5A	52	PHE	CG-CD1	-8.88	1.20	1.38
1	52	52	PHE	CG-CD1	-8.88	1.20	1.38
1	56	52	PHE	CG-CD1	-8.88	1.20	1.38
1	6A	52	PHE	CG-CD1	-8.88	1.20	1.38
1	1E	52	PHE	CG-CD1	-8.87	1.20	1.38
2	1F	23	HIS	CE1-NE2	8.87	1.41	1.32
1	2M	52	PHE	CG-CD1	-8.87	1.20	1.38
2	2N	23	HIS	CE1-NE2	8.87	1.41	1.32
1	22	52	PHE	CG-CD1	-8.87	1.20	1.38
2	23	23	HIS	CE1-NE2	8.87	1.41	1.32
1	3M	52	PHE	CG-CD1	-8.87	1.20	1.38
2	3N	23	HIS	CE1-NE2	8.87	1.41	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	36	52	PHE	CG-CD1	-8.87	1.20	1.38
2	37	23	HIS	CE1-NE2	8.87	1.41	1.32
1	4I	52	PHE	CG-CD1	-8.87	1.20	1.38
2	4J	23	HIS	CE1-NE2	8.87	1.41	1.32
1	4Q	52	PHE	CG-CD1	-8.87	1.20	1.38
2	4R	23	HIS	CE1-NE2	8.87	1.41	1.32
1	5Y	52	PHE	CG-CD1	-8.87	1.20	1.38
2	5Z	23	HIS	CE1-NE2	8.87	1.41	1.32
1	6E	52	PHE	CG-CD1	-8.87	1.20	1.38
2	6F	23	HIS	CE1-NE2	8.87	1.41	1.32
1	6Y	52	PHE	CG-CD1	-8.87	1.20	1.38
2	6Z	23	HIS	CE1-NE2	8.87	1.41	1.32
1	7I	52	PHE	CG-CD1	-8.87	1.20	1.38
2	7J	23	HIS	CE1-NE2	8.87	1.41	1.32
1	7U	52	PHE	CG-CD1	-8.87	1.20	1.38
2	7V	23	HIS	CE1-NE2	8.87	1.41	1.32
1	1M	43	HIS	N-CA	8.87	1.57	1.46
1	2I	43	HIS	N-CA	8.87	1.57	1.46
1	3A	43	HIS	N-CA	8.87	1.57	1.46
1	3I	43	HIS	N-CA	8.87	1.57	1.46
1	32	43	HIS	N-CA	8.87	1.57	1.46
1	4E	43	HIS	N-CA	8.87	1.57	1.46
1	4Y	43	HIS	N-CA	8.87	1.57	1.46
1	5U	43	HIS	N-CA	8.87	1.57	1.46
1	6M	43	HIS	N-CA	8.87	1.57	1.46
1	6U	43	HIS	N-CA	8.87	1.57	1.46
1	7E	43	HIS	N-CA	8.87	1.57	1.46
1	7Q	43	HIS	N-CA	8.87	1.57	1.46
1	1A	52	PHE	CG-CD1	-8.86	1.20	1.38
1	1I	52	PHE	CG-CD1	-8.86	1.20	1.38
1	1M	52	PHE	CG-CD1	-8.86	1.20	1.38
1	2E	52	PHE	CG-CD1	-8.86	1.20	1.38
1	2I	52	PHE	CG-CD1	-8.86	1.20	1.38
1	26	52	PHE	CG-CD1	-8.86	1.20	1.38
1	3A	52	PHE	CG-CD1	-8.86	1.20	1.38
1	3E	52	PHE	CG-CD1	-8.86	1.20	1.38
1	3I	52	PHE	CG-CD1	-8.86	1.20	1.38
1	32	52	PHE	CG-CD1	-8.86	1.20	1.38
1	4A	52	PHE	CG-CD1	-8.86	1.20	1.38
1	4E	52	PHE	CG-CD1	-8.86	1.20	1.38
1	4M	52	PHE	CG-CD1	-8.86	1.20	1.38
1	4U	52	PHE	CG-CD1	-8.86	1.20	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4Y	52	PHE	CG-CD1	-8.86	1.20	1.38
1	5Q	52	PHE	CG-CD1	-8.86	1.20	1.38
1	5U	52	PHE	CG-CD1	-8.86	1.20	1.38
1	6I	52	PHE	CG-CD1	-8.86	1.20	1.38
1	6M	52	PHE	CG-CD1	-8.86	1.20	1.38
1	6Q	52	PHE	CG-CD1	-8.86	1.20	1.38
1	6U	52	PHE	CG-CD1	-8.86	1.20	1.38
1	7E	52	PHE	CG-CD1	-8.86	1.20	1.38
1	7M	52	PHE	CG-CD1	-8.86	1.20	1.38
1	7Q	52	PHE	CG-CD1	-8.86	1.20	1.38
1	1A	168	GLN	CA-C	-8.86	1.41	1.52
1	1I	168	GLN	CA-C	-8.86	1.41	1.52
1	2E	168	GLN	CA-C	-8.86	1.41	1.52
1	26	168	GLN	CA-C	-8.86	1.41	1.52
1	3E	168	GLN	CA-C	-8.86	1.41	1.52
1	4A	168	GLN	CA-C	-8.86	1.41	1.52
1	4M	168	GLN	CA-C	-8.86	1.41	1.52
1	4U	168	GLN	CA-C	-8.86	1.41	1.52
1	5Q	168	GLN	CA-C	-8.86	1.41	1.52
1	6I	168	GLN	CA-C	-8.86	1.41	1.52
1	6Q	168	GLN	CA-C	-8.86	1.41	1.52
1	7M	168	GLN	CA-C	-8.86	1.41	1.52
1	12	52	PHE	CG-CD1	-8.84	1.20	1.38
1	16	52	PHE	CG-CD1	-8.84	1.20	1.38
1	2A	52	PHE	CG-CD1	-8.84	1.20	1.38
1	3Q	52	PHE	CG-CD1	-8.84	1.20	1.38
1	3U	52	PHE	CG-CD1	-8.84	1.20	1.38
1	3Y	52	PHE	CG-CD1	-8.84	1.20	1.38
1	5E	52	PHE	CG-CD1	-8.84	1.20	1.38
1	5I	52	PHE	CG-CD1	-8.84	1.20	1.38
1	5M	52	PHE	CG-CD1	-8.84	1.20	1.38
1	62	52	PHE	CG-CD1	-8.84	1.20	1.38
1	66	52	PHE	CG-CD1	-8.84	1.20	1.38
1	7A	52	PHE	CG-CD1	-8.84	1.20	1.38
1	1E	168	GLN	CA-C	-8.83	1.41	1.52
1	2M	168	GLN	CA-C	-8.83	1.41	1.52
1	22	168	GLN	CA-C	-8.83	1.41	1.52
1	3M	168	GLN	CA-C	-8.83	1.41	1.52
1	36	168	GLN	CA-C	-8.83	1.41	1.52
1	4I	168	GLN	CA-C	-8.83	1.41	1.52
1	4Q	168	GLN	CA-C	-8.83	1.41	1.52
1	5Y	168	GLN	CA-C	-8.83	1.41	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	168	GLN	CA-C	-8.83	1.41	1.52
1	6Y	168	GLN	CA-C	-8.83	1.41	1.52
1	7I	168	GLN	CA-C	-8.83	1.41	1.52
1	7U	168	GLN	CA-C	-8.83	1.41	1.52
1	1E	30	PHE	CD1-CE1	8.82	1.65	1.38
1	2M	30	PHE	CD1-CE1	8.82	1.65	1.38
1	22	30	PHE	CD1-CE1	8.82	1.65	1.38
1	3M	30	PHE	CD1-CE1	8.82	1.65	1.38
1	36	30	PHE	CD1-CE1	8.82	1.65	1.38
1	4I	30	PHE	CD1-CE1	8.82	1.65	1.38
1	4Q	30	PHE	CD1-CE1	8.82	1.65	1.38
1	5Y	30	PHE	CD1-CE1	8.82	1.65	1.38
1	6E	30	PHE	CD1-CE1	8.82	1.65	1.38
1	6Y	30	PHE	CD1-CE1	8.82	1.65	1.38
1	7I	30	PHE	CD1-CE1	8.82	1.65	1.38
1	7U	30	PHE	CD1-CE1	8.82	1.65	1.38
1	1M	150	TYR	CG-CD1	8.80	1.57	1.39
1	1Q	30	PHE	CD1-CE1	8.80	1.65	1.38
1	1U	30	PHE	CD1-CE1	8.80	1.65	1.38
1	1Y	30	PHE	CD1-CE1	8.80	1.65	1.38
1	2I	150	TYR	CG-CD1	8.80	1.57	1.39
1	2Q	30	PHE	CD1-CE1	8.80	1.65	1.38
1	2U	30	PHE	CD1-CE1	8.80	1.65	1.38
1	2Y	30	PHE	CD1-CE1	8.80	1.65	1.38
1	3A	150	TYR	CG-CD1	8.80	1.57	1.39
1	3I	150	TYR	CG-CD1	8.80	1.57	1.39
1	32	150	TYR	CG-CD1	8.80	1.57	1.39
1	4E	150	TYR	CG-CD1	8.80	1.57	1.39
1	4Y	150	TYR	CG-CD1	8.80	1.57	1.39
1	42	30	PHE	CD1-CE1	8.80	1.65	1.38
1	46	30	PHE	CD1-CE1	8.80	1.65	1.38
1	5A	30	PHE	CD1-CE1	8.80	1.65	1.38
1	5U	150	TYR	CG-CD1	8.80	1.57	1.39
1	52	30	PHE	CD1-CE1	8.80	1.65	1.38
1	56	30	PHE	CD1-CE1	8.80	1.65	1.38
1	6A	30	PHE	CD1-CE1	8.80	1.65	1.38
1	6M	150	TYR	CG-CD1	8.80	1.57	1.39
1	6U	150	TYR	CG-CD1	8.80	1.57	1.39
1	7E	150	TYR	CG-CD1	8.80	1.57	1.39
1	7Q	150	TYR	CG-CD1	8.80	1.57	1.39
1	12	30	PHE	CD1-CE1	8.80	1.65	1.38
1	16	30	PHE	CD1-CE1	8.80	1.65	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	30	PHE	CD1-CE1	8.80	1.65	1.38
1	3Q	30	PHE	CD1-CE1	8.80	1.65	1.38
1	3U	30	PHE	CD1-CE1	8.80	1.65	1.38
1	3Y	30	PHE	CD1-CE1	8.80	1.65	1.38
1	5E	30	PHE	CD1-CE1	8.80	1.65	1.38
1	5I	30	PHE	CD1-CE1	8.80	1.65	1.38
1	5M	30	PHE	CD1-CE1	8.80	1.65	1.38
1	62	30	PHE	CD1-CE1	8.80	1.65	1.38
1	66	30	PHE	CD1-CE1	8.80	1.65	1.38
1	7A	30	PHE	CD1-CE1	8.80	1.65	1.38
1	1A	30	PHE	CD1-CE1	8.79	1.65	1.38
1	1I	30	PHE	CD1-CE1	8.79	1.65	1.38
1	2E	30	PHE	CD1-CE1	8.79	1.65	1.38
1	26	30	PHE	CD1-CE1	8.79	1.65	1.38
1	3E	30	PHE	CD1-CE1	8.79	1.65	1.38
1	4A	30	PHE	CD1-CE1	8.79	1.65	1.38
1	4M	30	PHE	CD1-CE1	8.79	1.65	1.38
1	4U	30	PHE	CD1-CE1	8.79	1.65	1.38
1	5Q	30	PHE	CD1-CE1	8.79	1.65	1.38
1	6I	30	PHE	CD1-CE1	8.79	1.65	1.38
1	6Q	30	PHE	CD1-CE1	8.79	1.65	1.38
1	7M	30	PHE	CD1-CE1	8.79	1.65	1.38
2	1R	225	ASN	N-CA	-8.79	1.34	1.46
2	1V	225	ASN	N-CA	-8.79	1.34	1.46
2	1Z	225	ASN	N-CA	-8.79	1.34	1.46
2	2R	225	ASN	N-CA	-8.79	1.34	1.46
2	2V	225	ASN	N-CA	-8.79	1.34	1.46
2	2Z	225	ASN	N-CA	-8.79	1.34	1.46
2	43	225	ASN	N-CA	-8.79	1.34	1.46
2	47	225	ASN	N-CA	-8.79	1.34	1.46
2	5B	225	ASN	N-CA	-8.79	1.34	1.46
2	53	225	ASN	N-CA	-8.79	1.34	1.46
2	57	225	ASN	N-CA	-8.79	1.34	1.46
2	6B	225	ASN	N-CA	-8.79	1.34	1.46
1	1M	13	ALA	CA-C	-8.78	1.41	1.52
1	2I	13	ALA	CA-C	-8.78	1.41	1.52
1	3A	13	ALA	CA-C	-8.78	1.41	1.52
1	3I	13	ALA	CA-C	-8.78	1.41	1.52
1	32	13	ALA	CA-C	-8.78	1.41	1.52
1	4E	13	ALA	CA-C	-8.78	1.41	1.52
1	4Y	13	ALA	CA-C	-8.78	1.41	1.52
1	5U	13	ALA	CA-C	-8.78	1.41	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	13	ALA	CA-C	-8.78	1.41	1.52
1	6U	13	ALA	CA-C	-8.78	1.41	1.52
1	7E	13	ALA	CA-C	-8.78	1.41	1.52
1	7Q	13	ALA	CA-C	-8.78	1.41	1.52
1	12	13	ALA	CA-C	-8.78	1.41	1.52
1	16	13	ALA	CA-C	-8.78	1.41	1.52
1	2A	13	ALA	CA-C	-8.78	1.41	1.52
1	3Q	13	ALA	CA-C	-8.78	1.41	1.52
1	3U	13	ALA	CA-C	-8.78	1.41	1.52
1	3Y	13	ALA	CA-C	-8.78	1.41	1.52
1	5E	13	ALA	CA-C	-8.78	1.41	1.52
1	5I	13	ALA	CA-C	-8.78	1.41	1.52
1	5M	13	ALA	CA-C	-8.78	1.41	1.52
1	62	13	ALA	CA-C	-8.78	1.41	1.52
1	66	13	ALA	CA-C	-8.78	1.41	1.52
1	7A	13	ALA	CA-C	-8.78	1.41	1.52
1	1M	30	PHE	CD1-CE1	8.78	1.65	1.38
1	2I	30	PHE	CD1-CE1	8.78	1.65	1.38
1	3A	30	PHE	CD1-CE1	8.78	1.65	1.38
1	3I	30	PHE	CD1-CE1	8.78	1.65	1.38
1	32	30	PHE	CD1-CE1	8.78	1.65	1.38
1	4E	30	PHE	CD1-CE1	8.78	1.65	1.38
1	4Y	30	PHE	CD1-CE1	8.78	1.65	1.38
1	5U	30	PHE	CD1-CE1	8.78	1.65	1.38
1	6M	30	PHE	CD1-CE1	8.78	1.65	1.38
1	6U	30	PHE	CD1-CE1	8.78	1.65	1.38
1	7E	30	PHE	CD1-CE1	8.78	1.65	1.38
1	7Q	30	PHE	CD1-CE1	8.78	1.65	1.38
1	12	150	TYR	CG-CD1	8.77	1.57	1.39
1	16	150	TYR	CG-CD1	8.77	1.57	1.39
1	2A	150	TYR	CG-CD1	8.77	1.57	1.39
1	3Q	150	TYR	CG-CD1	8.77	1.57	1.39
1	3U	150	TYR	CG-CD1	8.77	1.57	1.39
1	3Y	150	TYR	CG-CD1	8.77	1.57	1.39
1	5E	150	TYR	CG-CD1	8.77	1.57	1.39
1	5I	150	TYR	CG-CD1	8.77	1.57	1.39
1	5M	150	TYR	CG-CD1	8.77	1.57	1.39
1	62	150	TYR	CG-CD1	8.77	1.57	1.39
1	66	150	TYR	CG-CD1	8.77	1.57	1.39
1	7A	150	TYR	CG-CD1	8.77	1.57	1.39
2	1B	225	ASN	N-CA	-8.77	1.34	1.46
2	1J	225	ASN	N-CA	-8.77	1.34	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	225	ASN	N-CA	-8.77	1.34	1.46
2	27	225	ASN	N-CA	-8.77	1.34	1.46
2	3F	225	ASN	N-CA	-8.77	1.34	1.46
2	4B	225	ASN	N-CA	-8.77	1.34	1.46
2	4N	225	ASN	N-CA	-8.77	1.34	1.46
2	4V	225	ASN	N-CA	-8.77	1.34	1.46
2	5R	225	ASN	N-CA	-8.77	1.34	1.46
2	6J	225	ASN	N-CA	-8.77	1.34	1.46
2	6R	225	ASN	N-CA	-8.77	1.34	1.46
2	7N	225	ASN	N-CA	-8.77	1.34	1.46
1	1Q	13	ALA	CA-C	-8.77	1.41	1.52
1	1U	13	ALA	CA-C	-8.77	1.41	1.52
1	1Y	13	ALA	CA-C	-8.77	1.41	1.52
1	2Q	13	ALA	CA-C	-8.77	1.41	1.52
1	2U	13	ALA	CA-C	-8.77	1.41	1.52
1	2Y	13	ALA	CA-C	-8.77	1.41	1.52
1	42	13	ALA	CA-C	-8.77	1.41	1.52
1	46	13	ALA	CA-C	-8.77	1.41	1.52
1	5A	13	ALA	CA-C	-8.77	1.41	1.52
1	52	13	ALA	CA-C	-8.77	1.41	1.52
1	56	13	ALA	CA-C	-8.77	1.41	1.52
1	6A	13	ALA	CA-C	-8.77	1.41	1.52
1	1A	150	TYR	CG-CD1	8.76	1.57	1.39
1	1I	150	TYR	CG-CD1	8.76	1.57	1.39
1	2E	150	TYR	CG-CD1	8.76	1.57	1.39
1	26	150	TYR	CG-CD1	8.76	1.57	1.39
1	3E	150	TYR	CG-CD1	8.76	1.57	1.39
1	4A	150	TYR	CG-CD1	8.76	1.57	1.39
1	4M	150	TYR	CG-CD1	8.76	1.57	1.39
1	4U	150	TYR	CG-CD1	8.76	1.57	1.39
1	5Q	150	TYR	CG-CD1	8.76	1.57	1.39
1	6I	150	TYR	CG-CD1	8.76	1.57	1.39
1	6Q	150	TYR	CG-CD1	8.76	1.57	1.39
1	7M	150	TYR	CG-CD1	8.76	1.57	1.39
1	1Q	150	TYR	CG-CD1	8.76	1.57	1.39
1	1U	150	TYR	CG-CD1	8.76	1.57	1.39
1	1Y	150	TYR	CG-CD1	8.76	1.57	1.39
1	2Q	150	TYR	CG-CD1	8.76	1.57	1.39
1	2U	150	TYR	CG-CD1	8.76	1.57	1.39
1	2Y	150	TYR	CG-CD1	8.76	1.57	1.39
1	42	150	TYR	CG-CD1	8.76	1.57	1.39
1	46	150	TYR	CG-CD1	8.76	1.57	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	150	TYR	CG-CD1	8.76	1.57	1.39
1	52	150	TYR	CG-CD1	8.76	1.57	1.39
1	56	150	TYR	CG-CD1	8.76	1.57	1.39
1	6A	150	TYR	CG-CD1	8.76	1.57	1.39
1	1A	13	ALA	CA-C	-8.75	1.41	1.52
1	1I	13	ALA	CA-C	-8.75	1.41	1.52
1	2E	13	ALA	CA-C	-8.75	1.41	1.52
1	26	13	ALA	CA-C	-8.75	1.41	1.52
1	3E	13	ALA	CA-C	-8.75	1.41	1.52
1	4A	13	ALA	CA-C	-8.75	1.41	1.52
1	4M	13	ALA	CA-C	-8.75	1.41	1.52
1	4U	13	ALA	CA-C	-8.75	1.41	1.52
1	5Q	13	ALA	CA-C	-8.75	1.41	1.52
1	6I	13	ALA	CA-C	-8.75	1.41	1.52
1	6Q	13	ALA	CA-C	-8.75	1.41	1.52
1	7M	13	ALA	CA-C	-8.75	1.41	1.52
1	1E	150	TYR	CG-CD1	8.74	1.57	1.39
1	2M	150	TYR	CG-CD1	8.74	1.57	1.39
1	22	150	TYR	CG-CD1	8.74	1.57	1.39
1	3M	150	TYR	CG-CD1	8.74	1.57	1.39
1	36	150	TYR	CG-CD1	8.74	1.57	1.39
1	4I	150	TYR	CG-CD1	8.74	1.57	1.39
1	4Q	150	TYR	CG-CD1	8.74	1.57	1.39
1	5Y	150	TYR	CG-CD1	8.74	1.57	1.39
1	6E	150	TYR	CG-CD1	8.74	1.57	1.39
1	6Y	150	TYR	CG-CD1	8.74	1.57	1.39
1	7I	150	TYR	CG-CD1	8.74	1.57	1.39
1	7U	150	TYR	CG-CD1	8.74	1.57	1.39
1	1E	29	TYR	CG-CD1	-8.74	1.21	1.39
1	2M	29	TYR	CG-CD1	-8.74	1.21	1.39
1	22	29	TYR	CG-CD1	-8.74	1.21	1.39
1	3M	29	TYR	CG-CD1	-8.74	1.21	1.39
1	36	29	TYR	CG-CD1	-8.74	1.21	1.39
1	4I	29	TYR	CG-CD1	-8.74	1.21	1.39
1	4Q	29	TYR	CG-CD1	-8.74	1.21	1.39
1	5Y	29	TYR	CG-CD1	-8.74	1.21	1.39
1	6E	29	TYR	CG-CD1	-8.74	1.21	1.39
1	6Y	29	TYR	CG-CD1	-8.74	1.21	1.39
1	7I	29	TYR	CG-CD1	-8.74	1.21	1.39
1	7U	29	TYR	CG-CD1	-8.74	1.21	1.39
1	1A	29	TYR	CG-CD1	-8.74	1.21	1.39
1	1I	29	TYR	CG-CD1	-8.74	1.21	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Q	29	TYR	CG-CD1	-8.74	1.21	1.39
1	1U	29	TYR	CG-CD1	-8.74	1.21	1.39
1	1Y	29	TYR	CG-CD1	-8.74	1.21	1.39
1	2E	29	TYR	CG-CD1	-8.74	1.21	1.39
1	2Q	29	TYR	CG-CD1	-8.74	1.21	1.39
1	2U	29	TYR	CG-CD1	-8.74	1.21	1.39
1	2Y	29	TYR	CG-CD1	-8.74	1.21	1.39
1	26	29	TYR	CG-CD1	-8.74	1.21	1.39
1	3E	29	TYR	CG-CD1	-8.74	1.21	1.39
1	4A	29	TYR	CG-CD1	-8.74	1.21	1.39
1	4M	29	TYR	CG-CD1	-8.74	1.21	1.39
1	4U	29	TYR	CG-CD1	-8.74	1.21	1.39
1	42	29	TYR	CG-CD1	-8.74	1.21	1.39
1	46	29	TYR	CG-CD1	-8.74	1.21	1.39
1	5A	29	TYR	CG-CD1	-8.74	1.21	1.39
1	5Q	29	TYR	CG-CD1	-8.74	1.21	1.39
1	52	29	TYR	CG-CD1	-8.74	1.21	1.39
1	56	29	TYR	CG-CD1	-8.74	1.21	1.39
1	6A	29	TYR	CG-CD1	-8.74	1.21	1.39
1	6I	29	TYR	CG-CD1	-8.74	1.21	1.39
1	6Q	29	TYR	CG-CD1	-8.74	1.21	1.39
1	7M	29	TYR	CG-CD1	-8.74	1.21	1.39
1	1E	13	ALA	CA-C	-8.73	1.41	1.52
1	1M	29	TYR	CG-CD1	-8.73	1.21	1.39
1	12	29	TYR	CG-CD1	-8.73	1.21	1.39
1	16	29	TYR	CG-CD1	-8.73	1.21	1.39
1	2A	29	TYR	CG-CD1	-8.73	1.21	1.39
1	2I	29	TYR	CG-CD1	-8.73	1.21	1.39
1	2M	13	ALA	CA-C	-8.73	1.41	1.52
1	22	13	ALA	CA-C	-8.73	1.41	1.52
1	3A	29	TYR	CG-CD1	-8.73	1.21	1.39
1	3I	29	TYR	CG-CD1	-8.73	1.21	1.39
1	3M	13	ALA	CA-C	-8.73	1.41	1.52
1	3Q	29	TYR	CG-CD1	-8.73	1.21	1.39
1	3U	29	TYR	CG-CD1	-8.73	1.21	1.39
1	3Y	29	TYR	CG-CD1	-8.73	1.21	1.39
1	32	29	TYR	CG-CD1	-8.73	1.21	1.39
1	36	13	ALA	CA-C	-8.73	1.41	1.52
1	4E	29	TYR	CG-CD1	-8.73	1.21	1.39
1	4I	13	ALA	CA-C	-8.73	1.41	1.52
1	4Q	13	ALA	CA-C	-8.73	1.41	1.52
1	4Y	29	TYR	CG-CD1	-8.73	1.21	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5E	29	TYR	CG-CD1	-8.73	1.21	1.39
1	5I	29	TYR	CG-CD1	-8.73	1.21	1.39
1	5M	29	TYR	CG-CD1	-8.73	1.21	1.39
1	5U	29	TYR	CG-CD1	-8.73	1.21	1.39
1	5Y	13	ALA	CA-C	-8.73	1.41	1.52
1	6E	13	ALA	CA-C	-8.73	1.41	1.52
1	6M	29	TYR	CG-CD1	-8.73	1.21	1.39
1	6U	29	TYR	CG-CD1	-8.73	1.21	1.39
1	6Y	13	ALA	CA-C	-8.73	1.41	1.52
1	62	29	TYR	CG-CD1	-8.73	1.21	1.39
1	66	29	TYR	CG-CD1	-8.73	1.21	1.39
1	7A	29	TYR	CG-CD1	-8.73	1.21	1.39
1	7E	29	TYR	CG-CD1	-8.73	1.21	1.39
1	7I	13	ALA	CA-C	-8.73	1.41	1.52
1	7Q	29	TYR	CG-CD1	-8.73	1.21	1.39
1	7U	13	ALA	CA-C	-8.73	1.41	1.52
2	1F	225	ASN	N-CA	-8.73	1.34	1.46
2	13	225	ASN	N-CA	-8.73	1.34	1.46
2	17	225	ASN	N-CA	-8.73	1.34	1.46
2	2B	225	ASN	N-CA	-8.73	1.34	1.46
2	2N	225	ASN	N-CA	-8.73	1.34	1.46
2	23	225	ASN	N-CA	-8.73	1.34	1.46
2	3N	225	ASN	N-CA	-8.73	1.34	1.46
2	3R	225	ASN	N-CA	-8.73	1.34	1.46
2	3V	225	ASN	N-CA	-8.73	1.34	1.46
2	3Z	225	ASN	N-CA	-8.73	1.34	1.46
2	37	225	ASN	N-CA	-8.73	1.34	1.46
2	4J	225	ASN	N-CA	-8.73	1.34	1.46
2	4R	225	ASN	N-CA	-8.73	1.34	1.46
2	5F	225	ASN	N-CA	-8.73	1.34	1.46
2	5J	225	ASN	N-CA	-8.73	1.34	1.46
2	5N	225	ASN	N-CA	-8.73	1.34	1.46
2	5Z	225	ASN	N-CA	-8.73	1.34	1.46
2	6F	225	ASN	N-CA	-8.73	1.34	1.46
2	6Z	225	ASN	N-CA	-8.73	1.34	1.46
2	63	225	ASN	N-CA	-8.73	1.34	1.46
2	67	225	ASN	N-CA	-8.73	1.34	1.46
2	7B	225	ASN	N-CA	-8.73	1.34	1.46
2	7J	225	ASN	N-CA	-8.73	1.34	1.46
2	7V	225	ASN	N-CA	-8.73	1.34	1.46
1	1Q	68	SER	C-O	8.72	1.35	1.23
1	1U	68	SER	C-O	8.72	1.35	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	68	SER	C-O	8.72	1.35	1.23
1	2Q	68	SER	C-O	8.72	1.35	1.23
1	2U	68	SER	C-O	8.72	1.35	1.23
1	2Y	68	SER	C-O	8.72	1.35	1.23
1	42	68	SER	C-O	8.72	1.35	1.23
1	46	68	SER	C-O	8.72	1.35	1.23
1	5A	68	SER	C-O	8.72	1.35	1.23
1	52	68	SER	C-O	8.72	1.35	1.23
1	56	68	SER	C-O	8.72	1.35	1.23
1	6A	68	SER	C-O	8.72	1.35	1.23
2	1N	225	ASN	N-CA	-8.71	1.34	1.46
2	2J	225	ASN	N-CA	-8.71	1.34	1.46
2	3B	225	ASN	N-CA	-8.71	1.34	1.46
2	3J	225	ASN	N-CA	-8.71	1.34	1.46
2	33	225	ASN	N-CA	-8.71	1.34	1.46
2	4F	225	ASN	N-CA	-8.71	1.34	1.46
2	4Z	225	ASN	N-CA	-8.71	1.34	1.46
2	5V	225	ASN	N-CA	-8.71	1.34	1.46
2	6N	225	ASN	N-CA	-8.71	1.34	1.46
2	6V	225	ASN	N-CA	-8.71	1.34	1.46
2	7F	225	ASN	N-CA	-8.71	1.34	1.46
2	7R	225	ASN	N-CA	-8.71	1.34	1.46
1	1E	68	SER	C-O	8.70	1.34	1.23
1	2M	68	SER	C-O	8.70	1.34	1.23
1	22	68	SER	C-O	8.70	1.34	1.23
1	3M	68	SER	C-O	8.70	1.34	1.23
1	36	68	SER	C-O	8.70	1.34	1.23
1	4I	68	SER	C-O	8.70	1.34	1.23
1	4Q	68	SER	C-O	8.70	1.34	1.23
1	5Y	68	SER	C-O	8.70	1.34	1.23
1	6E	68	SER	C-O	8.70	1.34	1.23
1	6Y	68	SER	C-O	8.70	1.34	1.23
1	7I	68	SER	C-O	8.70	1.34	1.23
1	7U	68	SER	C-O	8.70	1.34	1.23
2	13	50	THR	CA-C	-8.68	1.41	1.52
2	17	50	THR	CA-C	-8.68	1.41	1.52
2	2B	50	THR	CA-C	-8.68	1.41	1.52
2	3R	50	THR	CA-C	-8.68	1.41	1.52
2	3V	50	THR	CA-C	-8.68	1.41	1.52
2	3Z	50	THR	CA-C	-8.68	1.41	1.52
2	5F	50	THR	CA-C	-8.68	1.41	1.52
2	5J	50	THR	CA-C	-8.68	1.41	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	50	THR	CA-C	-8.68	1.41	1.52
2	63	50	THR	CA-C	-8.68	1.41	1.52
2	67	50	THR	CA-C	-8.68	1.41	1.52
2	7B	50	THR	CA-C	-8.68	1.41	1.52
1	1A	68	SER	C-O	8.67	1.34	1.23
1	1I	68	SER	C-O	8.67	1.34	1.23
1	2E	68	SER	C-O	8.67	1.34	1.23
1	26	68	SER	C-O	8.67	1.34	1.23
1	3E	68	SER	C-O	8.67	1.34	1.23
1	4A	68	SER	C-O	8.67	1.34	1.23
1	4M	68	SER	C-O	8.67	1.34	1.23
1	4U	68	SER	C-O	8.67	1.34	1.23
1	5Q	68	SER	C-O	8.67	1.34	1.23
1	6I	68	SER	C-O	8.67	1.34	1.23
1	6Q	68	SER	C-O	8.67	1.34	1.23
1	7M	68	SER	C-O	8.67	1.34	1.23
1	1A	167	GLY	C-N	8.66	1.45	1.33
1	1I	167	GLY	C-N	8.66	1.45	1.33
1	2E	167	GLY	C-N	8.66	1.45	1.33
1	26	167	GLY	C-N	8.66	1.45	1.33
1	3E	167	GLY	C-N	8.66	1.45	1.33
1	4A	167	GLY	C-N	8.66	1.45	1.33
1	4M	167	GLY	C-N	8.66	1.45	1.33
1	4U	167	GLY	C-N	8.66	1.45	1.33
1	5Q	167	GLY	C-N	8.66	1.45	1.33
1	6I	167	GLY	C-N	8.66	1.45	1.33
1	6Q	167	GLY	C-N	8.66	1.45	1.33
1	7M	167	GLY	C-N	8.66	1.45	1.33
1	1Q	96	ASP	C-N	8.66	1.43	1.33
1	1U	96	ASP	C-N	8.66	1.43	1.33
1	1Y	96	ASP	C-N	8.66	1.43	1.33
1	2Q	96	ASP	C-N	8.66	1.43	1.33
1	2U	96	ASP	C-N	8.66	1.43	1.33
1	2Y	96	ASP	C-N	8.66	1.43	1.33
1	42	96	ASP	C-N	8.66	1.43	1.33
1	46	96	ASP	C-N	8.66	1.43	1.33
1	5A	96	ASP	C-N	8.66	1.43	1.33
1	52	96	ASP	C-N	8.66	1.43	1.33
1	56	96	ASP	C-N	8.66	1.43	1.33
1	6A	96	ASP	C-N	8.66	1.43	1.33
1	1M	68	SER	C-O	8.65	1.34	1.23
1	2I	68	SER	C-O	8.65	1.34	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	68	SER	C-O	8.65	1.34	1.23
1	3I	68	SER	C-O	8.65	1.34	1.23
1	32	68	SER	C-O	8.65	1.34	1.23
1	4E	68	SER	C-O	8.65	1.34	1.23
1	4Y	68	SER	C-O	8.65	1.34	1.23
1	5U	68	SER	C-O	8.65	1.34	1.23
1	6M	68	SER	C-O	8.65	1.34	1.23
1	6U	68	SER	C-O	8.65	1.34	1.23
1	7E	68	SER	C-O	8.65	1.34	1.23
1	7Q	68	SER	C-O	8.65	1.34	1.23
1	1M	167	GLY	C-N	8.65	1.45	1.33
2	13	209	LEU	CA-C	-8.65	1.41	1.52
2	17	209	LEU	CA-C	-8.65	1.41	1.52
2	2B	209	LEU	CA-C	-8.65	1.41	1.52
1	2I	167	GLY	C-N	8.65	1.45	1.33
1	3A	167	GLY	C-N	8.65	1.45	1.33
1	3I	167	GLY	C-N	8.65	1.45	1.33
2	3R	209	LEU	CA-C	-8.65	1.41	1.52
2	3V	209	LEU	CA-C	-8.65	1.41	1.52
2	3Z	209	LEU	CA-C	-8.65	1.41	1.52
1	32	167	GLY	C-N	8.65	1.45	1.33
1	4E	167	GLY	C-N	8.65	1.45	1.33
1	4Y	167	GLY	C-N	8.65	1.45	1.33
2	5F	209	LEU	CA-C	-8.65	1.41	1.52
2	5J	209	LEU	CA-C	-8.65	1.41	1.52
2	5N	209	LEU	CA-C	-8.65	1.41	1.52
1	5U	167	GLY	C-N	8.65	1.45	1.33
1	6M	167	GLY	C-N	8.65	1.45	1.33
1	6U	167	GLY	C-N	8.65	1.45	1.33
2	63	209	LEU	CA-C	-8.65	1.41	1.52
2	67	209	LEU	CA-C	-8.65	1.41	1.52
2	7B	209	LEU	CA-C	-8.65	1.41	1.52
1	7E	167	GLY	C-N	8.65	1.45	1.33
1	7Q	167	GLY	C-N	8.65	1.45	1.33
1	1M	96	ASP	C-N	8.64	1.43	1.33
2	1R	50	THR	CA-C	-8.64	1.41	1.52
2	1V	50	THR	CA-C	-8.64	1.41	1.52
2	1Z	50	THR	CA-C	-8.64	1.41	1.52
1	2I	96	ASP	C-N	8.64	1.43	1.33
2	2R	50	THR	CA-C	-8.64	1.41	1.52
2	2V	50	THR	CA-C	-8.64	1.41	1.52
2	2Z	50	THR	CA-C	-8.64	1.41	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	96	ASP	C-N	8.64	1.43	1.33
1	3I	96	ASP	C-N	8.64	1.43	1.33
1	32	96	ASP	C-N	8.64	1.43	1.33
1	4E	96	ASP	C-N	8.64	1.43	1.33
1	4Y	96	ASP	C-N	8.64	1.43	1.33
2	43	50	THR	CA-C	-8.64	1.41	1.52
2	47	50	THR	CA-C	-8.64	1.41	1.52
2	5B	50	THR	CA-C	-8.64	1.41	1.52
1	5U	96	ASP	C-N	8.64	1.43	1.33
2	53	50	THR	CA-C	-8.64	1.41	1.52
2	57	50	THR	CA-C	-8.64	1.41	1.52
2	6B	50	THR	CA-C	-8.64	1.41	1.52
1	6M	96	ASP	C-N	8.64	1.43	1.33
1	6U	96	ASP	C-N	8.64	1.43	1.33
1	7E	96	ASP	C-N	8.64	1.43	1.33
1	7Q	96	ASP	C-N	8.64	1.43	1.33
2	1N	50	THR	CA-C	-8.64	1.41	1.52
1	1Q	167	GLY	C-N	8.64	1.45	1.33
1	1U	167	GLY	C-N	8.64	1.45	1.33
1	1Y	167	GLY	C-N	8.64	1.45	1.33
2	2J	50	THR	CA-C	-8.64	1.41	1.52
1	2Q	167	GLY	C-N	8.64	1.45	1.33
1	2U	167	GLY	C-N	8.64	1.45	1.33
1	2Y	167	GLY	C-N	8.64	1.45	1.33
2	3B	50	THR	CA-C	-8.64	1.41	1.52
2	3J	50	THR	CA-C	-8.64	1.41	1.52
2	33	50	THR	CA-C	-8.64	1.41	1.52
2	4F	50	THR	CA-C	-8.64	1.41	1.52
2	4Z	50	THR	CA-C	-8.64	1.41	1.52
1	42	167	GLY	C-N	8.64	1.45	1.33
1	46	167	GLY	C-N	8.64	1.45	1.33
1	5A	167	GLY	C-N	8.64	1.45	1.33
2	5V	50	THR	CA-C	-8.64	1.41	1.52
1	52	167	GLY	C-N	8.64	1.45	1.33
1	56	167	GLY	C-N	8.64	1.45	1.33
1	6A	167	GLY	C-N	8.64	1.45	1.33
2	6N	50	THR	CA-C	-8.64	1.41	1.52
2	6V	50	THR	CA-C	-8.64	1.41	1.52
2	7F	50	THR	CA-C	-8.64	1.41	1.52
2	7R	50	THR	CA-C	-8.64	1.41	1.52
2	1F	222	GLN	N-CA	-8.63	1.34	1.46
2	2N	222	GLN	N-CA	-8.63	1.34	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	222	GLN	N-CA	-8.63	1.34	1.46
2	3N	222	GLN	N-CA	-8.63	1.34	1.46
2	37	222	GLN	N-CA	-8.63	1.34	1.46
2	4J	222	GLN	N-CA	-8.63	1.34	1.46
2	4R	222	GLN	N-CA	-8.63	1.34	1.46
2	5Z	222	GLN	N-CA	-8.63	1.34	1.46
2	6F	222	GLN	N-CA	-8.63	1.34	1.46
2	6Z	222	GLN	N-CA	-8.63	1.34	1.46
2	7J	222	GLN	N-CA	-8.63	1.34	1.46
2	7V	222	GLN	N-CA	-8.63	1.34	1.46
2	1B	50	THR	CA-C	-8.63	1.41	1.52
2	1J	50	THR	CA-C	-8.63	1.41	1.52
2	2F	50	THR	CA-C	-8.63	1.41	1.52
2	27	50	THR	CA-C	-8.63	1.41	1.52
2	3F	50	THR	CA-C	-8.63	1.41	1.52
2	4B	50	THR	CA-C	-8.63	1.41	1.52
2	4N	50	THR	CA-C	-8.63	1.41	1.52
2	4V	50	THR	CA-C	-8.63	1.41	1.52
2	5R	50	THR	CA-C	-8.63	1.41	1.52
2	6J	50	THR	CA-C	-8.63	1.41	1.52
2	6R	50	THR	CA-C	-8.63	1.41	1.52
2	7N	50	THR	CA-C	-8.63	1.41	1.52
2	1N	209	LEU	CA-C	-8.62	1.41	1.52
1	12	68	SER	C-O	8.62	1.34	1.23
1	16	68	SER	C-O	8.62	1.34	1.23
1	2A	68	SER	C-O	8.62	1.34	1.23
2	2J	209	LEU	CA-C	-8.62	1.41	1.52
2	3B	209	LEU	CA-C	-8.62	1.41	1.52
2	3J	209	LEU	CA-C	-8.62	1.41	1.52
1	3Q	68	SER	C-O	8.62	1.34	1.23
1	3U	68	SER	C-O	8.62	1.34	1.23
1	3Y	68	SER	C-O	8.62	1.34	1.23
2	33	209	LEU	CA-C	-8.62	1.41	1.52
2	4F	209	LEU	CA-C	-8.62	1.41	1.52
2	4Z	209	LEU	CA-C	-8.62	1.41	1.52
1	5E	68	SER	C-O	8.62	1.34	1.23
1	5I	68	SER	C-O	8.62	1.34	1.23
1	5M	68	SER	C-O	8.62	1.34	1.23
2	5V	209	LEU	CA-C	-8.62	1.41	1.52
2	6N	209	LEU	CA-C	-8.62	1.41	1.52
2	6V	209	LEU	CA-C	-8.62	1.41	1.52
1	62	68	SER	C-O	8.62	1.34	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	68	SER	C-O	8.62	1.34	1.23
1	7A	68	SER	C-O	8.62	1.34	1.23
2	7F	209	LEU	CA-C	-8.62	1.41	1.52
2	7R	209	LEU	CA-C	-8.62	1.41	1.52
2	1B	222	GLN	N-CA	-8.62	1.34	1.46
2	1J	222	GLN	N-CA	-8.62	1.34	1.46
1	1M	144	VAL	C-O	8.62	1.35	1.24
2	2F	222	GLN	N-CA	-8.62	1.34	1.46
1	2I	144	VAL	C-O	8.62	1.35	1.24
2	27	222	GLN	N-CA	-8.62	1.34	1.46
1	3A	144	VAL	C-O	8.62	1.35	1.24
2	3F	222	GLN	N-CA	-8.62	1.34	1.46
1	3I	144	VAL	C-O	8.62	1.35	1.24
1	32	144	VAL	C-O	8.62	1.35	1.24
2	4B	222	GLN	N-CA	-8.62	1.34	1.46
1	4E	144	VAL	C-O	8.62	1.35	1.24
2	4N	222	GLN	N-CA	-8.62	1.34	1.46
2	4V	222	GLN	N-CA	-8.62	1.34	1.46
1	4Y	144	VAL	C-O	8.62	1.35	1.24
2	5R	222	GLN	N-CA	-8.62	1.34	1.46
1	5U	144	VAL	C-O	8.62	1.35	1.24
2	6J	222	GLN	N-CA	-8.62	1.34	1.46
1	6M	144	VAL	C-O	8.62	1.35	1.24
2	6R	222	GLN	N-CA	-8.62	1.34	1.46
1	6U	144	VAL	C-O	8.62	1.35	1.24
1	7E	144	VAL	C-O	8.62	1.35	1.24
2	7N	222	GLN	N-CA	-8.62	1.34	1.46
1	7Q	144	VAL	C-O	8.62	1.35	1.24
2	1F	50	THR	CA-C	-8.61	1.41	1.52
2	2N	50	THR	CA-C	-8.61	1.41	1.52
2	23	50	THR	CA-C	-8.61	1.41	1.52
2	3N	50	THR	CA-C	-8.61	1.41	1.52
2	37	50	THR	CA-C	-8.61	1.41	1.52
2	4J	50	THR	CA-C	-8.61	1.41	1.52
2	4R	50	THR	CA-C	-8.61	1.41	1.52
2	5Z	50	THR	CA-C	-8.61	1.41	1.52
2	6F	50	THR	CA-C	-8.61	1.41	1.52
2	6Z	50	THR	CA-C	-8.61	1.41	1.52
2	7J	50	THR	CA-C	-8.61	1.41	1.52
2	7V	50	THR	CA-C	-8.61	1.41	1.52
1	1E	144	VAL	C-O	8.61	1.35	1.24
2	1F	209	LEU	CA-C	-8.61	1.41	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1R	209	LEU	CA-C	-8.61	1.41	1.52
2	1V	209	LEU	CA-C	-8.61	1.41	1.52
2	1Z	209	LEU	CA-C	-8.61	1.41	1.52
1	2M	144	VAL	C-O	8.61	1.35	1.24
2	2N	209	LEU	CA-C	-8.61	1.41	1.52
2	2R	209	LEU	CA-C	-8.61	1.41	1.52
2	2V	209	LEU	CA-C	-8.61	1.41	1.52
2	2Z	209	LEU	CA-C	-8.61	1.41	1.52
1	22	144	VAL	C-O	8.61	1.35	1.24
2	23	209	LEU	CA-C	-8.61	1.41	1.52
1	3M	144	VAL	C-O	8.61	1.35	1.24
2	3N	209	LEU	CA-C	-8.61	1.41	1.52
1	36	144	VAL	C-O	8.61	1.35	1.24
2	37	209	LEU	CA-C	-8.61	1.41	1.52
1	4I	144	VAL	C-O	8.61	1.35	1.24
2	4J	209	LEU	CA-C	-8.61	1.41	1.52
1	4Q	144	VAL	C-O	8.61	1.35	1.24
2	4R	209	LEU	CA-C	-8.61	1.41	1.52
2	43	209	LEU	CA-C	-8.61	1.41	1.52
2	47	209	LEU	CA-C	-8.61	1.41	1.52
2	5B	209	LEU	CA-C	-8.61	1.41	1.52
1	5Y	144	VAL	C-O	8.61	1.35	1.24
2	5Z	209	LEU	CA-C	-8.61	1.41	1.52
2	53	209	LEU	CA-C	-8.61	1.41	1.52
2	57	209	LEU	CA-C	-8.61	1.41	1.52
2	6B	209	LEU	CA-C	-8.61	1.41	1.52
1	6E	144	VAL	C-O	8.61	1.35	1.24
2	6F	209	LEU	CA-C	-8.61	1.41	1.52
1	6Y	144	VAL	C-O	8.61	1.35	1.24
2	6Z	209	LEU	CA-C	-8.61	1.41	1.52
1	7I	144	VAL	C-O	8.61	1.35	1.24
2	7J	209	LEU	CA-C	-8.61	1.41	1.52
1	7U	144	VAL	C-O	8.61	1.35	1.24
2	7V	209	LEU	CA-C	-8.61	1.41	1.52
1	1E	167	GLY	C-N	8.61	1.45	1.33
1	2M	167	GLY	C-N	8.61	1.45	1.33
1	22	167	GLY	C-N	8.61	1.45	1.33
1	3M	167	GLY	C-N	8.61	1.45	1.33
1	36	167	GLY	C-N	8.61	1.45	1.33
1	4I	167	GLY	C-N	8.61	1.45	1.33
1	4Q	167	GLY	C-N	8.61	1.45	1.33
1	5Y	167	GLY	C-N	8.61	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	167	GLY	C-N	8.61	1.45	1.33
1	6Y	167	GLY	C-N	8.61	1.45	1.33
1	7I	167	GLY	C-N	8.61	1.45	1.33
1	7U	167	GLY	C-N	8.61	1.45	1.33
1	1A	96	ASP	C-N	8.61	1.43	1.33
1	1I	96	ASP	C-N	8.61	1.43	1.33
1	2E	96	ASP	C-N	8.61	1.43	1.33
1	26	96	ASP	C-N	8.61	1.43	1.33
1	3E	96	ASP	C-N	8.61	1.43	1.33
1	4A	96	ASP	C-N	8.61	1.43	1.33
1	4M	96	ASP	C-N	8.61	1.43	1.33
1	4U	96	ASP	C-N	8.61	1.43	1.33
1	5Q	96	ASP	C-N	8.61	1.43	1.33
1	6I	96	ASP	C-N	8.61	1.43	1.33
1	6Q	96	ASP	C-N	8.61	1.43	1.33
1	7M	96	ASP	C-N	8.61	1.43	1.33
2	1B	209	LEU	CA-C	-8.61	1.41	1.52
2	1J	209	LEU	CA-C	-8.61	1.41	1.52
2	1N	222	GLN	N-CA	-8.61	1.34	1.46
2	2F	209	LEU	CA-C	-8.61	1.41	1.52
2	2J	222	GLN	N-CA	-8.61	1.34	1.46
2	27	209	LEU	CA-C	-8.61	1.41	1.52
2	3B	222	GLN	N-CA	-8.61	1.34	1.46
2	3F	209	LEU	CA-C	-8.61	1.41	1.52
2	3J	222	GLN	N-CA	-8.61	1.34	1.46
2	33	222	GLN	N-CA	-8.61	1.34	1.46
2	4B	209	LEU	CA-C	-8.61	1.41	1.52
2	4F	222	GLN	N-CA	-8.61	1.34	1.46
2	4N	209	LEU	CA-C	-8.61	1.41	1.52
2	4V	209	LEU	CA-C	-8.61	1.41	1.52
2	4Z	222	GLN	N-CA	-8.61	1.34	1.46
2	5R	209	LEU	CA-C	-8.61	1.41	1.52
2	5V	222	GLN	N-CA	-8.61	1.34	1.46
2	6J	209	LEU	CA-C	-8.61	1.41	1.52
2	6N	222	GLN	N-CA	-8.61	1.34	1.46
2	6R	209	LEU	CA-C	-8.61	1.41	1.52
2	6V	222	GLN	N-CA	-8.61	1.34	1.46
2	7F	222	GLN	N-CA	-8.61	1.34	1.46
2	7N	209	LEU	CA-C	-8.61	1.41	1.52
2	7R	222	GLN	N-CA	-8.61	1.34	1.46
1	12	167	GLY	C-N	8.60	1.45	1.33
1	16	167	GLY	C-N	8.60	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	167	GLY	C-N	8.60	1.45	1.33
1	3Q	167	GLY	C-N	8.60	1.45	1.33
1	3U	167	GLY	C-N	8.60	1.45	1.33
1	3Y	167	GLY	C-N	8.60	1.45	1.33
1	5E	167	GLY	C-N	8.60	1.45	1.33
1	5I	167	GLY	C-N	8.60	1.45	1.33
1	5M	167	GLY	C-N	8.60	1.45	1.33
1	62	167	GLY	C-N	8.60	1.45	1.33
1	66	167	GLY	C-N	8.60	1.45	1.33
1	7A	167	GLY	C-N	8.60	1.45	1.33
1	12	96	ASP	C-N	8.60	1.43	1.33
1	16	96	ASP	C-N	8.60	1.43	1.33
1	2A	96	ASP	C-N	8.60	1.43	1.33
1	3Q	96	ASP	C-N	8.60	1.43	1.33
1	3U	96	ASP	C-N	8.60	1.43	1.33
1	3Y	96	ASP	C-N	8.60	1.43	1.33
1	5E	96	ASP	C-N	8.60	1.43	1.33
1	5I	96	ASP	C-N	8.60	1.43	1.33
1	5M	96	ASP	C-N	8.60	1.43	1.33
1	62	96	ASP	C-N	8.60	1.43	1.33
1	66	96	ASP	C-N	8.60	1.43	1.33
1	7A	96	ASP	C-N	8.60	1.43	1.33
1	1E	96	ASP	C-N	8.59	1.43	1.33
2	1R	222	GLN	N-CA	-8.59	1.34	1.46
2	1V	222	GLN	N-CA	-8.59	1.34	1.46
2	1Z	222	GLN	N-CA	-8.59	1.34	1.46
1	2M	96	ASP	C-N	8.59	1.43	1.33
2	2R	222	GLN	N-CA	-8.59	1.34	1.46
2	2V	222	GLN	N-CA	-8.59	1.34	1.46
2	2Z	222	GLN	N-CA	-8.59	1.34	1.46
1	22	96	ASP	C-N	8.59	1.43	1.33
1	3M	96	ASP	C-N	8.59	1.43	1.33
1	36	96	ASP	C-N	8.59	1.43	1.33
1	4I	96	ASP	C-N	8.59	1.43	1.33
1	4Q	96	ASP	C-N	8.59	1.43	1.33
2	43	222	GLN	N-CA	-8.59	1.34	1.46
2	47	222	GLN	N-CA	-8.59	1.34	1.46
2	5B	222	GLN	N-CA	-8.59	1.34	1.46
1	5Y	96	ASP	C-N	8.59	1.43	1.33
2	53	222	GLN	N-CA	-8.59	1.34	1.46
2	57	222	GLN	N-CA	-8.59	1.34	1.46
2	6B	222	GLN	N-CA	-8.59	1.34	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	96	ASP	C-N	8.59	1.43	1.33
1	6Y	96	ASP	C-N	8.59	1.43	1.33
1	7I	96	ASP	C-N	8.59	1.43	1.33
1	7U	96	ASP	C-N	8.59	1.43	1.33
1	1Q	65	PHE	C-N	8.59	1.46	1.33
1	1U	65	PHE	C-N	8.59	1.46	1.33
1	1Y	65	PHE	C-N	8.59	1.46	1.33
1	2Q	65	PHE	C-N	8.59	1.46	1.33
1	2U	65	PHE	C-N	8.59	1.46	1.33
1	2Y	65	PHE	C-N	8.59	1.46	1.33
1	42	65	PHE	C-N	8.59	1.46	1.33
1	46	65	PHE	C-N	8.59	1.46	1.33
1	5A	65	PHE	C-N	8.59	1.46	1.33
1	52	65	PHE	C-N	8.59	1.46	1.33
1	56	65	PHE	C-N	8.59	1.46	1.33
1	6A	65	PHE	C-N	8.59	1.46	1.33
2	13	222	GLN	N-CA	-8.58	1.34	1.46
2	17	222	GLN	N-CA	-8.58	1.34	1.46
2	2B	222	GLN	N-CA	-8.58	1.34	1.46
2	3R	222	GLN	N-CA	-8.58	1.34	1.46
2	3V	222	GLN	N-CA	-8.58	1.34	1.46
2	3Z	222	GLN	N-CA	-8.58	1.34	1.46
2	5F	222	GLN	N-CA	-8.58	1.34	1.46
2	5J	222	GLN	N-CA	-8.58	1.34	1.46
2	5N	222	GLN	N-CA	-8.58	1.34	1.46
2	63	222	GLN	N-CA	-8.58	1.34	1.46
2	67	222	GLN	N-CA	-8.58	1.34	1.46
2	7B	222	GLN	N-CA	-8.58	1.34	1.46
1	1A	144	VAL	C-O	8.57	1.35	1.24
1	1I	144	VAL	C-O	8.57	1.35	1.24
1	12	65	PHE	C-N	8.57	1.46	1.33
1	16	65	PHE	C-N	8.57	1.46	1.33
1	2A	65	PHE	C-N	8.57	1.46	1.33
1	2E	144	VAL	C-O	8.57	1.35	1.24
1	26	144	VAL	C-O	8.57	1.35	1.24
1	3E	144	VAL	C-O	8.57	1.35	1.24
1	3Q	65	PHE	C-N	8.57	1.46	1.33
1	3U	65	PHE	C-N	8.57	1.46	1.33
1	3Y	65	PHE	C-N	8.57	1.46	1.33
1	4A	144	VAL	C-O	8.57	1.35	1.24
1	4M	144	VAL	C-O	8.57	1.35	1.24
1	4U	144	VAL	C-O	8.57	1.35	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5E	65	PHE	C-N	8.57	1.46	1.33
1	5I	65	PHE	C-N	8.57	1.46	1.33
1	5M	65	PHE	C-N	8.57	1.46	1.33
1	5Q	144	VAL	C-O	8.57	1.35	1.24
1	6I	144	VAL	C-O	8.57	1.35	1.24
1	6Q	144	VAL	C-O	8.57	1.35	1.24
1	62	65	PHE	C-N	8.57	1.46	1.33
1	66	65	PHE	C-N	8.57	1.46	1.33
1	7A	65	PHE	C-N	8.57	1.46	1.33
1	7M	144	VAL	C-O	8.57	1.35	1.24
1	1A	65	PHE	C-N	8.55	1.46	1.33
2	1F	44	MET	CA-C	-8.55	1.40	1.52
1	1I	65	PHE	C-N	8.55	1.46	1.33
1	2E	65	PHE	C-N	8.55	1.46	1.33
2	2N	44	MET	CA-C	-8.55	1.40	1.52
2	23	44	MET	CA-C	-8.55	1.40	1.52
1	26	65	PHE	C-N	8.55	1.46	1.33
1	3E	65	PHE	C-N	8.55	1.46	1.33
2	3N	44	MET	CA-C	-8.55	1.40	1.52
2	37	44	MET	CA-C	-8.55	1.40	1.52
1	4A	65	PHE	C-N	8.55	1.46	1.33
2	4J	44	MET	CA-C	-8.55	1.40	1.52
1	4M	65	PHE	C-N	8.55	1.46	1.33
2	4R	44	MET	CA-C	-8.55	1.40	1.52
1	4U	65	PHE	C-N	8.55	1.46	1.33
1	5Q	65	PHE	C-N	8.55	1.46	1.33
2	5Z	44	MET	CA-C	-8.55	1.40	1.52
2	6F	44	MET	CA-C	-8.55	1.40	1.52
1	6I	65	PHE	C-N	8.55	1.46	1.33
1	6Q	65	PHE	C-N	8.55	1.46	1.33
2	6Z	44	MET	CA-C	-8.55	1.40	1.52
2	7J	44	MET	CA-C	-8.55	1.40	1.52
1	7M	65	PHE	C-N	8.55	1.46	1.33
2	7V	44	MET	CA-C	-8.55	1.40	1.52
2	13	44	MET	CA-C	-8.55	1.40	1.52
2	17	44	MET	CA-C	-8.55	1.40	1.52
2	2B	44	MET	CA-C	-8.55	1.40	1.52
2	3R	44	MET	CA-C	-8.55	1.40	1.52
2	3V	44	MET	CA-C	-8.55	1.40	1.52
2	3Z	44	MET	CA-C	-8.55	1.40	1.52
2	5F	44	MET	CA-C	-8.55	1.40	1.52
2	5J	44	MET	CA-C	-8.55	1.40	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	44	MET	CA-C	-8.55	1.40	1.52
2	63	44	MET	CA-C	-8.55	1.40	1.52
2	67	44	MET	CA-C	-8.55	1.40	1.52
2	7B	44	MET	CA-C	-8.55	1.40	1.52
1	1M	65	PHE	C-N	8.54	1.46	1.33
1	2I	65	PHE	C-N	8.54	1.46	1.33
1	3A	65	PHE	C-N	8.54	1.46	1.33
1	3I	65	PHE	C-N	8.54	1.46	1.33
1	32	65	PHE	C-N	8.54	1.46	1.33
1	4E	65	PHE	C-N	8.54	1.46	1.33
1	4Y	65	PHE	C-N	8.54	1.46	1.33
1	5U	65	PHE	C-N	8.54	1.46	1.33
1	6M	65	PHE	C-N	8.54	1.46	1.33
1	6U	65	PHE	C-N	8.54	1.46	1.33
1	7E	65	PHE	C-N	8.54	1.46	1.33
1	7Q	65	PHE	C-N	8.54	1.46	1.33
1	1E	65	PHE	C-N	8.53	1.46	1.33
2	1N	16	ASN	CG-OD1	8.54	1.39	1.23
2	2J	16	ASN	CG-OD1	8.54	1.39	1.23
1	2M	65	PHE	C-N	8.53	1.46	1.33
1	22	65	PHE	C-N	8.53	1.46	1.33
2	3B	16	ASN	CG-OD1	8.54	1.39	1.23
2	3J	16	ASN	CG-OD1	8.54	1.39	1.23
1	3M	65	PHE	C-N	8.53	1.46	1.33
2	33	16	ASN	CG-OD1	8.54	1.39	1.23
1	36	65	PHE	C-N	8.53	1.46	1.33
2	4F	16	ASN	CG-OD1	8.54	1.39	1.23
1	4I	65	PHE	C-N	8.53	1.46	1.33
1	4Q	65	PHE	C-N	8.53	1.46	1.33
2	4Z	16	ASN	CG-OD1	8.54	1.39	1.23
2	5V	16	ASN	CG-OD1	8.54	1.39	1.23
1	5Y	65	PHE	C-N	8.53	1.46	1.33
1	6E	65	PHE	C-N	8.53	1.46	1.33
2	6N	16	ASN	CG-OD1	8.54	1.39	1.23
2	6V	16	ASN	CG-OD1	8.54	1.39	1.23
1	6Y	65	PHE	C-N	8.53	1.46	1.33
2	7F	16	ASN	CG-OD1	8.54	1.39	1.23
1	7I	65	PHE	C-N	8.53	1.46	1.33
2	7R	16	ASN	CG-OD1	8.54	1.39	1.23
1	7U	65	PHE	C-N	8.53	1.46	1.33
1	1Q	144	VAL	C-O	8.53	1.35	1.24
2	1R	44	MET	CA-C	-8.53	1.40	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1U	144	VAL	C-O	8.53	1.35	1.24
2	1V	44	MET	CA-C	-8.53	1.40	1.52
1	1Y	144	VAL	C-O	8.53	1.35	1.24
2	1Z	44	MET	CA-C	-8.53	1.40	1.52
1	2Q	144	VAL	C-O	8.53	1.35	1.24
2	2R	44	MET	CA-C	-8.53	1.40	1.52
1	2U	144	VAL	C-O	8.53	1.35	1.24
2	2V	44	MET	CA-C	-8.53	1.40	1.52
1	2Y	144	VAL	C-O	8.53	1.35	1.24
2	2Z	44	MET	CA-C	-8.53	1.40	1.52
1	42	144	VAL	C-O	8.53	1.35	1.24
2	43	44	MET	CA-C	-8.53	1.40	1.52
1	46	144	VAL	C-O	8.53	1.35	1.24
2	47	44	MET	CA-C	-8.53	1.40	1.52
1	5A	144	VAL	C-O	8.53	1.35	1.24
2	5B	44	MET	CA-C	-8.53	1.40	1.52
1	52	144	VAL	C-O	8.53	1.35	1.24
2	53	44	MET	CA-C	-8.53	1.40	1.52
1	56	144	VAL	C-O	8.53	1.35	1.24
2	57	44	MET	CA-C	-8.53	1.40	1.52
1	6A	144	VAL	C-O	8.53	1.35	1.24
2	6B	44	MET	CA-C	-8.53	1.40	1.52
2	1F	78	HIS	CB-CG	-8.53	1.38	1.50
1	1M	30	PHE	CB-CG	-8.53	1.31	1.50
1	2I	30	PHE	CB-CG	-8.53	1.31	1.50
2	2N	78	HIS	CB-CG	-8.53	1.38	1.50
2	23	78	HIS	CB-CG	-8.53	1.38	1.50
1	3A	30	PHE	CB-CG	-8.53	1.31	1.50
1	3I	30	PHE	CB-CG	-8.53	1.31	1.50
2	3N	78	HIS	CB-CG	-8.53	1.38	1.50
1	32	30	PHE	CB-CG	-8.53	1.31	1.50
2	37	78	HIS	CB-CG	-8.53	1.38	1.50
1	4E	30	PHE	CB-CG	-8.53	1.31	1.50
2	4J	78	HIS	CB-CG	-8.53	1.38	1.50
2	4R	78	HIS	CB-CG	-8.53	1.38	1.50
1	4Y	30	PHE	CB-CG	-8.53	1.31	1.50
1	5U	30	PHE	CB-CG	-8.53	1.31	1.50
2	5Z	78	HIS	CB-CG	-8.53	1.38	1.50
2	6F	78	HIS	CB-CG	-8.53	1.38	1.50
1	6M	30	PHE	CB-CG	-8.53	1.31	1.50
1	6U	30	PHE	CB-CG	-8.53	1.31	1.50
2	6Z	78	HIS	CB-CG	-8.53	1.38	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7E	30	PHE	CB-CG	-8.53	1.31	1.50
2	7J	78	HIS	CB-CG	-8.53	1.38	1.50
1	7Q	30	PHE	CB-CG	-8.53	1.31	1.50
2	7V	78	HIS	CB-CG	-8.53	1.38	1.50
1	1Q	30	PHE	CB-CG	-8.53	1.31	1.50
1	1U	30	PHE	CB-CG	-8.53	1.31	1.50
1	1Y	30	PHE	CB-CG	-8.53	1.31	1.50
1	12	30	PHE	CB-CG	-8.53	1.31	1.50
1	12	144	VAL	C-O	8.53	1.35	1.24
1	16	30	PHE	CB-CG	-8.53	1.31	1.50
1	16	144	VAL	C-O	8.53	1.35	1.24
1	2A	30	PHE	CB-CG	-8.53	1.31	1.50
1	2A	144	VAL	C-O	8.53	1.35	1.24
1	2Q	30	PHE	CB-CG	-8.53	1.31	1.50
1	2U	30	PHE	CB-CG	-8.53	1.31	1.50
1	2Y	30	PHE	CB-CG	-8.53	1.31	1.50
1	3Q	30	PHE	CB-CG	-8.53	1.31	1.50
1	3Q	144	VAL	C-O	8.53	1.35	1.24
1	3U	30	PHE	CB-CG	-8.53	1.31	1.50
1	3U	144	VAL	C-O	8.53	1.35	1.24
1	3Y	30	PHE	CB-CG	-8.53	1.31	1.50
1	3Y	144	VAL	C-O	8.53	1.35	1.24
1	42	30	PHE	CB-CG	-8.53	1.31	1.50
1	46	30	PHE	CB-CG	-8.53	1.31	1.50
1	5A	30	PHE	CB-CG	-8.53	1.31	1.50
1	5E	30	PHE	CB-CG	-8.53	1.31	1.50
1	5E	144	VAL	C-O	8.53	1.35	1.24
1	5I	30	PHE	CB-CG	-8.53	1.31	1.50
1	5I	144	VAL	C-O	8.53	1.35	1.24
1	5M	30	PHE	CB-CG	-8.53	1.31	1.50
1	5M	144	VAL	C-O	8.53	1.35	1.24
1	52	30	PHE	CB-CG	-8.53	1.31	1.50
1	56	30	PHE	CB-CG	-8.53	1.31	1.50
1	6A	30	PHE	CB-CG	-8.53	1.31	1.50
1	62	30	PHE	CB-CG	-8.53	1.31	1.50
1	62	144	VAL	C-O	8.53	1.35	1.24
1	66	30	PHE	CB-CG	-8.53	1.31	1.50
1	66	144	VAL	C-O	8.53	1.35	1.24
1	7A	30	PHE	CB-CG	-8.53	1.31	1.50
1	7A	144	VAL	C-O	8.53	1.35	1.24
1	1E	30	PHE	CB-CG	-8.52	1.31	1.50
1	2M	30	PHE	CB-CG	-8.52	1.31	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	30	PHE	CB-CG	-8.52	1.31	1.50
1	3M	30	PHE	CB-CG	-8.52	1.31	1.50
1	36	30	PHE	CB-CG	-8.52	1.31	1.50
1	4I	30	PHE	CB-CG	-8.52	1.31	1.50
1	4Q	30	PHE	CB-CG	-8.52	1.31	1.50
1	5Y	30	PHE	CB-CG	-8.52	1.31	1.50
1	6E	30	PHE	CB-CG	-8.52	1.31	1.50
1	6Y	30	PHE	CB-CG	-8.52	1.31	1.50
1	7I	30	PHE	CB-CG	-8.52	1.31	1.50
1	7U	30	PHE	CB-CG	-8.52	1.31	1.50
1	1A	150	TYR	N-CA	-8.52	1.35	1.46
1	1I	150	TYR	N-CA	-8.52	1.35	1.46
1	1Q	150	TYR	N-CA	-8.52	1.35	1.46
1	1U	150	TYR	N-CA	-8.52	1.35	1.46
1	1Y	150	TYR	N-CA	-8.52	1.35	1.46
1	2E	150	TYR	N-CA	-8.52	1.35	1.46
1	2Q	150	TYR	N-CA	-8.52	1.35	1.46
1	2U	150	TYR	N-CA	-8.52	1.35	1.46
1	2Y	150	TYR	N-CA	-8.52	1.35	1.46
1	26	150	TYR	N-CA	-8.52	1.35	1.46
1	3E	150	TYR	N-CA	-8.52	1.35	1.46
1	4A	150	TYR	N-CA	-8.52	1.35	1.46
1	4M	150	TYR	N-CA	-8.52	1.35	1.46
1	4U	150	TYR	N-CA	-8.52	1.35	1.46
1	42	150	TYR	N-CA	-8.52	1.35	1.46
1	46	150	TYR	N-CA	-8.52	1.35	1.46
1	5A	150	TYR	N-CA	-8.52	1.35	1.46
1	5Q	150	TYR	N-CA	-8.52	1.35	1.46
1	52	150	TYR	N-CA	-8.52	1.35	1.46
1	56	150	TYR	N-CA	-8.52	1.35	1.46
1	6A	150	TYR	N-CA	-8.52	1.35	1.46
1	6I	150	TYR	N-CA	-8.52	1.35	1.46
1	6Q	150	TYR	N-CA	-8.52	1.35	1.46
1	7M	150	TYR	N-CA	-8.52	1.35	1.46
1	2A	150	TYR	N-CA	-8.52	1.35	1.46
1	5I	150	TYR	N-CA	-8.52	1.35	1.46
1	1A	30	PHE	CB-CG	-8.52	1.31	1.50
2	1B	44	MET	CA-C	-8.52	1.40	1.52
1	1I	30	PHE	CB-CG	-8.52	1.31	1.50
2	1J	44	MET	CA-C	-8.52	1.40	1.52
1	12	150	TYR	N-CA	-8.52	1.35	1.46
1	16	150	TYR	N-CA	-8.52	1.35	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	62	150	TYR	N-CA	-8.52	1.35	1.46
1	2E	30	PHE	CB-CG	-8.52	1.31	1.50
2	2F	44	MET	CA-C	-8.52	1.40	1.52
1	66	150	TYR	N-CA	-8.52	1.35	1.46
1	26	30	PHE	CB-CG	-8.52	1.31	1.50
2	27	44	MET	CA-C	-8.52	1.40	1.52
1	3E	30	PHE	CB-CG	-8.52	1.31	1.50
2	3F	44	MET	CA-C	-8.52	1.40	1.52
1	3Q	150	TYR	N-CA	-8.52	1.35	1.46
1	3U	150	TYR	N-CA	-8.52	1.35	1.46
1	3Y	150	TYR	N-CA	-8.52	1.35	1.46
1	5E	150	TYR	N-CA	-8.52	1.35	1.46
1	5M	150	TYR	N-CA	-8.52	1.35	1.46
1	4A	30	PHE	CB-CG	-8.52	1.31	1.50
2	4B	44	MET	CA-C	-8.52	1.40	1.52
1	4M	30	PHE	CB-CG	-8.52	1.31	1.50
2	4N	44	MET	CA-C	-8.52	1.40	1.52
1	4U	30	PHE	CB-CG	-8.52	1.31	1.50
2	4V	44	MET	CA-C	-8.52	1.40	1.52
1	7A	150	TYR	N-CA	-8.52	1.35	1.46
1	5Q	30	PHE	CB-CG	-8.52	1.31	1.50
2	5R	44	MET	CA-C	-8.52	1.40	1.52
1	6I	30	PHE	CB-CG	-8.52	1.31	1.50
2	6J	44	MET	CA-C	-8.52	1.40	1.52
1	6Q	30	PHE	CB-CG	-8.52	1.31	1.50
2	6R	44	MET	CA-C	-8.52	1.40	1.52
1	7M	30	PHE	CB-CG	-8.52	1.31	1.50
2	7N	44	MET	CA-C	-8.52	1.40	1.52
2	13	16	ASN	CG-OD1	8.51	1.39	1.23
2	13	78	HIS	CB-CG	-8.51	1.38	1.50
2	17	16	ASN	CG-OD1	8.51	1.39	1.23
2	17	78	HIS	CB-CG	-8.51	1.38	1.50
2	2B	16	ASN	CG-OD1	8.51	1.39	1.23
2	2B	78	HIS	CB-CG	-8.51	1.38	1.50
2	3R	16	ASN	CG-OD1	8.51	1.39	1.23
2	3R	78	HIS	CB-CG	-8.51	1.38	1.50
2	3V	16	ASN	CG-OD1	8.51	1.39	1.23
2	3V	78	HIS	CB-CG	-8.51	1.38	1.50
2	3Z	16	ASN	CG-OD1	8.51	1.39	1.23
2	3Z	78	HIS	CB-CG	-8.51	1.38	1.50
2	5F	16	ASN	CG-OD1	8.51	1.39	1.23
2	5F	78	HIS	CB-CG	-8.51	1.38	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5J	16	ASN	CG-OD1	8.51	1.39	1.23
2	5J	78	HIS	CB-CG	-8.51	1.38	1.50
2	5N	16	ASN	CG-OD1	8.51	1.39	1.23
2	5N	78	HIS	CB-CG	-8.51	1.38	1.50
2	63	16	ASN	CG-OD1	8.51	1.39	1.23
2	63	78	HIS	CB-CG	-8.51	1.38	1.50
2	67	16	ASN	CG-OD1	8.51	1.39	1.23
2	67	78	HIS	CB-CG	-8.51	1.38	1.50
2	7B	16	ASN	CG-OD1	8.51	1.39	1.23
2	7B	78	HIS	CB-CG	-8.51	1.38	1.50
2	1B	16	ASN	CG-OD1	8.51	1.39	1.23
2	1J	16	ASN	CG-OD1	8.51	1.39	1.23
2	1R	16	ASN	CG-OD1	8.51	1.39	1.23
2	1V	16	ASN	CG-OD1	8.51	1.39	1.23
2	1Z	16	ASN	CG-OD1	8.51	1.39	1.23
2	2F	16	ASN	CG-OD1	8.51	1.39	1.23
2	2R	16	ASN	CG-OD1	8.51	1.39	1.23
2	2V	16	ASN	CG-OD1	8.51	1.39	1.23
2	2Z	16	ASN	CG-OD1	8.51	1.39	1.23
2	27	16	ASN	CG-OD1	8.51	1.39	1.23
2	3F	16	ASN	CG-OD1	8.51	1.39	1.23
2	4B	16	ASN	CG-OD1	8.51	1.39	1.23
2	4N	16	ASN	CG-OD1	8.51	1.39	1.23
2	4V	16	ASN	CG-OD1	8.51	1.39	1.23
2	43	16	ASN	CG-OD1	8.51	1.39	1.23
2	47	16	ASN	CG-OD1	8.51	1.39	1.23
2	5B	16	ASN	CG-OD1	8.51	1.39	1.23
2	5R	16	ASN	CG-OD1	8.51	1.39	1.23
2	53	16	ASN	CG-OD1	8.51	1.39	1.23
2	57	16	ASN	CG-OD1	8.51	1.39	1.23
2	6B	16	ASN	CG-OD1	8.51	1.39	1.23
2	6J	16	ASN	CG-OD1	8.51	1.39	1.23
2	6R	16	ASN	CG-OD1	8.51	1.39	1.23
2	7N	16	ASN	CG-OD1	8.51	1.39	1.23
2	1B	16	ASN	N-CA	8.50	1.62	1.46
2	1J	16	ASN	N-CA	8.50	1.62	1.46
2	2F	16	ASN	N-CA	8.50	1.62	1.46
2	27	16	ASN	N-CA	8.50	1.62	1.46
2	3F	16	ASN	N-CA	8.50	1.62	1.46
2	4B	16	ASN	N-CA	8.50	1.62	1.46
2	4N	16	ASN	N-CA	8.50	1.62	1.46
2	4V	16	ASN	N-CA	8.50	1.62	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	16	ASN	N-CA	8.50	1.62	1.46
2	6J	16	ASN	N-CA	8.50	1.62	1.46
2	6R	16	ASN	N-CA	8.50	1.62	1.46
2	7N	16	ASN	N-CA	8.50	1.62	1.46
2	1R	16	ASN	N-CA	8.50	1.62	1.46
2	1V	16	ASN	N-CA	8.50	1.62	1.46
2	1Z	16	ASN	N-CA	8.50	1.62	1.46
2	2R	16	ASN	N-CA	8.50	1.62	1.46
2	2V	16	ASN	N-CA	8.50	1.62	1.46
2	2Z	16	ASN	N-CA	8.50	1.62	1.46
2	43	16	ASN	N-CA	8.50	1.62	1.46
2	47	16	ASN	N-CA	8.50	1.62	1.46
2	5B	16	ASN	N-CA	8.50	1.62	1.46
2	53	16	ASN	N-CA	8.50	1.62	1.46
2	57	16	ASN	N-CA	8.50	1.62	1.46
2	6B	16	ASN	N-CA	8.50	1.62	1.46
1	1E	150	TYR	N-CA	-8.50	1.35	1.46
2	1F	16	ASN	CG-OD1	8.50	1.39	1.23
1	2M	150	TYR	N-CA	-8.50	1.35	1.46
2	2N	16	ASN	CG-OD1	8.50	1.39	1.23
1	22	150	TYR	N-CA	-8.50	1.35	1.46
2	23	16	ASN	CG-OD1	8.50	1.39	1.23
1	3M	150	TYR	N-CA	-8.50	1.35	1.46
2	3N	16	ASN	CG-OD1	8.50	1.39	1.23
1	36	150	TYR	N-CA	-8.50	1.35	1.46
2	37	16	ASN	CG-OD1	8.50	1.39	1.23
1	4I	150	TYR	N-CA	-8.50	1.35	1.46
2	4J	16	ASN	CG-OD1	8.50	1.39	1.23
1	4Q	150	TYR	N-CA	-8.50	1.35	1.46
2	4R	16	ASN	CG-OD1	8.50	1.39	1.23
1	5Y	150	TYR	N-CA	-8.50	1.35	1.46
2	5Z	16	ASN	CG-OD1	8.50	1.39	1.23
1	6E	150	TYR	N-CA	-8.50	1.35	1.46
2	6F	16	ASN	CG-OD1	8.50	1.39	1.23
1	6Y	150	TYR	N-CA	-8.50	1.35	1.46
2	6Z	16	ASN	CG-OD1	8.50	1.39	1.23
1	7I	150	TYR	N-CA	-8.50	1.35	1.46
2	7J	16	ASN	CG-OD1	8.50	1.39	1.23
1	7U	150	TYR	N-CA	-8.50	1.35	1.46
2	7V	16	ASN	CG-OD1	8.50	1.39	1.23
2	1N	78	HIS	CB-CG	-8.49	1.38	1.50
2	2J	78	HIS	CB-CG	-8.49	1.38	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	78	HIS	CB-CG	-8.49	1.38	1.50
2	3J	78	HIS	CB-CG	-8.49	1.38	1.50
2	33	78	HIS	CB-CG	-8.49	1.38	1.50
2	4F	78	HIS	CB-CG	-8.49	1.38	1.50
2	4Z	78	HIS	CB-CG	-8.49	1.38	1.50
2	5V	78	HIS	CB-CG	-8.49	1.38	1.50
2	6N	78	HIS	CB-CG	-8.49	1.38	1.50
2	6V	78	HIS	CB-CG	-8.49	1.38	1.50
2	7F	78	HIS	CB-CG	-8.49	1.38	1.50
2	7R	78	HIS	CB-CG	-8.49	1.38	1.50
2	1B	78	HIS	CB-CG	-8.49	1.38	1.50
2	1J	78	HIS	CB-CG	-8.49	1.38	1.50
2	2F	78	HIS	CB-CG	-8.49	1.38	1.50
2	27	78	HIS	CB-CG	-8.49	1.38	1.50
2	3F	78	HIS	CB-CG	-8.49	1.38	1.50
2	4B	78	HIS	CB-CG	-8.49	1.38	1.50
2	4N	78	HIS	CB-CG	-8.49	1.38	1.50
2	4V	78	HIS	CB-CG	-8.49	1.38	1.50
2	5R	78	HIS	CB-CG	-8.49	1.38	1.50
2	6J	78	HIS	CB-CG	-8.49	1.38	1.50
2	6R	78	HIS	CB-CG	-8.49	1.38	1.50
2	7N	78	HIS	CB-CG	-8.49	1.38	1.50
2	1N	44	MET	CA-C	-8.49	1.40	1.52
2	13	16	ASN	N-CA	8.49	1.62	1.46
2	17	16	ASN	N-CA	8.49	1.62	1.46
2	2B	16	ASN	N-CA	8.49	1.62	1.46
2	2J	44	MET	CA-C	-8.49	1.40	1.52
2	3B	44	MET	CA-C	-8.49	1.40	1.52
2	3J	44	MET	CA-C	-8.49	1.40	1.52
2	3R	16	ASN	N-CA	8.49	1.62	1.46
2	3V	16	ASN	N-CA	8.49	1.62	1.46
2	3Z	16	ASN	N-CA	8.49	1.62	1.46
2	33	44	MET	CA-C	-8.49	1.40	1.52
2	4F	44	MET	CA-C	-8.49	1.40	1.52
2	4Z	44	MET	CA-C	-8.49	1.40	1.52
2	5F	16	ASN	N-CA	8.49	1.62	1.46
2	5J	16	ASN	N-CA	8.49	1.62	1.46
2	5N	16	ASN	N-CA	8.49	1.62	1.46
2	5V	44	MET	CA-C	-8.49	1.40	1.52
2	6N	44	MET	CA-C	-8.49	1.40	1.52
2	6V	44	MET	CA-C	-8.49	1.40	1.52
2	63	16	ASN	N-CA	8.49	1.62	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	67	16	ASN	N-CA	8.49	1.62	1.46
2	7B	16	ASN	N-CA	8.49	1.62	1.46
2	7F	44	MET	CA-C	-8.49	1.40	1.52
2	7R	44	MET	CA-C	-8.49	1.40	1.52
2	1F	16	ASN	N-CA	8.48	1.62	1.46
2	2N	16	ASN	N-CA	8.48	1.62	1.46
2	23	16	ASN	N-CA	8.48	1.62	1.46
2	3N	16	ASN	N-CA	8.48	1.62	1.46
2	37	16	ASN	N-CA	8.48	1.62	1.46
2	4J	16	ASN	N-CA	8.48	1.62	1.46
2	4R	16	ASN	N-CA	8.48	1.62	1.46
2	5Z	16	ASN	N-CA	8.48	1.62	1.46
2	6F	16	ASN	N-CA	8.48	1.62	1.46
2	6Z	16	ASN	N-CA	8.48	1.62	1.46
2	7J	16	ASN	N-CA	8.48	1.62	1.46
2	7V	16	ASN	N-CA	8.48	1.62	1.46
2	1F	15	VAL	CB-CG1	8.47	1.80	1.52
2	2N	15	VAL	CB-CG1	8.47	1.80	1.52
2	23	15	VAL	CB-CG1	8.47	1.80	1.52
2	3N	15	VAL	CB-CG1	8.47	1.80	1.52
2	37	15	VAL	CB-CG1	8.47	1.80	1.52
2	4J	15	VAL	CB-CG1	8.47	1.80	1.52
2	4R	15	VAL	CB-CG1	8.47	1.80	1.52
2	5Z	15	VAL	CB-CG1	8.47	1.80	1.52
2	6F	15	VAL	CB-CG1	8.47	1.80	1.52
2	6Z	15	VAL	CB-CG1	8.47	1.80	1.52
2	7J	15	VAL	CB-CG1	8.47	1.80	1.52
2	7V	15	VAL	CB-CG1	8.47	1.80	1.52
2	1N	16	ASN	N-CA	8.47	1.62	1.46
2	2J	16	ASN	N-CA	8.47	1.62	1.46
2	3B	16	ASN	N-CA	8.47	1.62	1.46
2	3J	16	ASN	N-CA	8.47	1.62	1.46
2	33	16	ASN	N-CA	8.47	1.62	1.46
2	4F	16	ASN	N-CA	8.47	1.62	1.46
2	4Z	16	ASN	N-CA	8.47	1.62	1.46
2	5V	16	ASN	N-CA	8.47	1.62	1.46
2	6N	16	ASN	N-CA	8.47	1.62	1.46
2	6V	16	ASN	N-CA	8.47	1.62	1.46
2	7F	16	ASN	N-CA	8.47	1.62	1.46
2	7R	16	ASN	N-CA	8.47	1.62	1.46
2	13	15	VAL	CB-CG1	8.47	1.80	1.52
2	17	15	VAL	CB-CG1	8.47	1.80	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	15	VAL	CB-CG1	8.47	1.80	1.52
2	3R	15	VAL	CB-CG1	8.47	1.80	1.52
2	3V	15	VAL	CB-CG1	8.47	1.80	1.52
2	3Z	15	VAL	CB-CG1	8.47	1.80	1.52
2	5F	15	VAL	CB-CG1	8.47	1.80	1.52
2	5J	15	VAL	CB-CG1	8.47	1.80	1.52
2	5N	15	VAL	CB-CG1	8.47	1.80	1.52
2	63	15	VAL	CB-CG1	8.47	1.80	1.52
2	67	15	VAL	CB-CG1	8.47	1.80	1.52
2	7B	15	VAL	CB-CG1	8.47	1.80	1.52
2	1B	15	VAL	CB-CG1	8.46	1.80	1.52
2	1F	208	SER	CB-OG	-8.46	1.25	1.42
2	1J	15	VAL	CB-CG1	8.46	1.80	1.52
2	2F	15	VAL	CB-CG1	8.46	1.80	1.52
2	2N	208	SER	CB-OG	-8.46	1.25	1.42
2	23	208	SER	CB-OG	-8.46	1.25	1.42
2	27	15	VAL	CB-CG1	8.46	1.80	1.52
2	3F	15	VAL	CB-CG1	8.46	1.80	1.52
2	3N	208	SER	CB-OG	-8.46	1.25	1.42
2	37	208	SER	CB-OG	-8.46	1.25	1.42
2	4B	15	VAL	CB-CG1	8.46	1.80	1.52
2	4J	208	SER	CB-OG	-8.46	1.25	1.42
2	4N	15	VAL	CB-CG1	8.46	1.80	1.52
2	4R	208	SER	CB-OG	-8.46	1.25	1.42
2	4V	15	VAL	CB-CG1	8.46	1.80	1.52
2	5R	15	VAL	CB-CG1	8.46	1.80	1.52
2	5Z	208	SER	CB-OG	-8.46	1.25	1.42
2	6F	208	SER	CB-OG	-8.46	1.25	1.42
2	6J	15	VAL	CB-CG1	8.46	1.80	1.52
2	6R	15	VAL	CB-CG1	8.46	1.80	1.52
2	6Z	208	SER	CB-OG	-8.46	1.25	1.42
2	7J	208	SER	CB-OG	-8.46	1.25	1.42
2	7N	15	VAL	CB-CG1	8.46	1.80	1.52
2	7V	208	SER	CB-OG	-8.46	1.25	1.42
1	1M	150	TYR	N-CA	-8.46	1.35	1.46
2	13	208	SER	CB-OG	-8.46	1.25	1.42
2	17	208	SER	CB-OG	-8.46	1.25	1.42
2	2B	208	SER	CB-OG	-8.46	1.25	1.42
1	2I	150	TYR	N-CA	-8.46	1.35	1.46
1	3A	150	TYR	N-CA	-8.46	1.35	1.46
1	3I	150	TYR	N-CA	-8.46	1.35	1.46
2	3R	208	SER	CB-OG	-8.46	1.25	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3V	208	SER	CB-OG	-8.46	1.25	1.42
2	3Z	208	SER	CB-OG	-8.46	1.25	1.42
1	32	150	TYR	N-CA	-8.46	1.35	1.46
1	4E	150	TYR	N-CA	-8.46	1.35	1.46
1	4Y	150	TYR	N-CA	-8.46	1.35	1.46
2	5F	208	SER	CB-OG	-8.46	1.25	1.42
2	5J	208	SER	CB-OG	-8.46	1.25	1.42
2	5N	208	SER	CB-OG	-8.46	1.25	1.42
1	5U	150	TYR	N-CA	-8.46	1.35	1.46
1	6M	150	TYR	N-CA	-8.46	1.35	1.46
1	6U	150	TYR	N-CA	-8.46	1.35	1.46
2	63	208	SER	CB-OG	-8.46	1.25	1.42
2	67	208	SER	CB-OG	-8.46	1.25	1.42
2	7B	208	SER	CB-OG	-8.46	1.25	1.42
1	7E	150	TYR	N-CA	-8.46	1.35	1.46
1	7Q	150	TYR	N-CA	-8.46	1.35	1.46
1	1E	6	ALA	C-N	8.46	1.45	1.33
1	2M	6	ALA	C-N	8.46	1.45	1.33
1	22	6	ALA	C-N	8.46	1.45	1.33
1	3M	6	ALA	C-N	8.46	1.45	1.33
1	36	6	ALA	C-N	8.46	1.45	1.33
1	4I	6	ALA	C-N	8.46	1.45	1.33
1	4Q	6	ALA	C-N	8.46	1.45	1.33
1	5Y	6	ALA	C-N	8.46	1.45	1.33
1	6E	6	ALA	C-N	8.46	1.45	1.33
1	6Y	6	ALA	C-N	8.46	1.45	1.33
1	7I	6	ALA	C-N	8.46	1.45	1.33
1	7U	6	ALA	C-N	8.46	1.45	1.33
2	1N	208	SER	CB-OG	-8.46	1.25	1.42
2	2J	208	SER	CB-OG	-8.46	1.25	1.42
2	3B	208	SER	CB-OG	-8.46	1.25	1.42
2	3J	208	SER	CB-OG	-8.46	1.25	1.42
2	33	208	SER	CB-OG	-8.46	1.25	1.42
2	4F	208	SER	CB-OG	-8.46	1.25	1.42
2	4Z	208	SER	CB-OG	-8.46	1.25	1.42
2	5V	208	SER	CB-OG	-8.46	1.25	1.42
2	6N	208	SER	CB-OG	-8.46	1.25	1.42
2	6V	208	SER	CB-OG	-8.46	1.25	1.42
2	7F	208	SER	CB-OG	-8.46	1.25	1.42
2	7R	208	SER	CB-OG	-8.46	1.25	1.42
2	1B	208	SER	CB-OG	-8.45	1.25	1.42
2	1J	208	SER	CB-OG	-8.45	1.25	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1R	78	HIS	CB-CG	-8.45	1.38	1.50
2	1V	78	HIS	CB-CG	-8.45	1.38	1.50
2	1Z	78	HIS	CB-CG	-8.45	1.38	1.50
2	2F	208	SER	CB-OG	-8.45	1.25	1.42
2	2R	78	HIS	CB-CG	-8.45	1.38	1.50
2	2V	78	HIS	CB-CG	-8.45	1.38	1.50
2	2Z	78	HIS	CB-CG	-8.45	1.38	1.50
2	27	208	SER	CB-OG	-8.45	1.25	1.42
2	3F	208	SER	CB-OG	-8.45	1.25	1.42
2	4B	208	SER	CB-OG	-8.45	1.25	1.42
2	4N	208	SER	CB-OG	-8.45	1.25	1.42
2	4V	208	SER	CB-OG	-8.45	1.25	1.42
2	43	78	HIS	CB-CG	-8.45	1.38	1.50
2	47	78	HIS	CB-CG	-8.45	1.38	1.50
2	5B	78	HIS	CB-CG	-8.45	1.38	1.50
2	5R	208	SER	CB-OG	-8.45	1.25	1.42
2	53	78	HIS	CB-CG	-8.45	1.38	1.50
2	57	78	HIS	CB-CG	-8.45	1.38	1.50
2	6B	78	HIS	CB-CG	-8.45	1.38	1.50
2	6J	208	SER	CB-OG	-8.45	1.25	1.42
2	6R	208	SER	CB-OG	-8.45	1.25	1.42
2	7N	208	SER	CB-OG	-8.45	1.25	1.42
2	1F	45	ALA	C-N	-8.45	1.23	1.33
2	1N	15	VAL	CB-CG1	8.45	1.80	1.52
2	2J	15	VAL	CB-CG1	8.45	1.80	1.52
2	3J	15	VAL	CB-CG1	8.45	1.80	1.52
2	6V	15	VAL	CB-CG1	8.45	1.80	1.52
2	7R	15	VAL	CB-CG1	8.45	1.80	1.52
2	1R	15	VAL	CB-CG1	8.45	1.80	1.52
2	1V	15	VAL	CB-CG1	8.45	1.80	1.52
2	1Z	15	VAL	CB-CG1	8.45	1.80	1.52
2	2N	45	ALA	C-N	-8.45	1.23	1.33
2	2R	15	VAL	CB-CG1	8.45	1.80	1.52
2	2V	15	VAL	CB-CG1	8.45	1.80	1.52
2	2Z	15	VAL	CB-CG1	8.45	1.80	1.52
2	23	45	ALA	C-N	-8.45	1.23	1.33
2	3B	15	VAL	CB-CG1	8.45	1.80	1.52
2	3N	45	ALA	C-N	-8.45	1.23	1.33
2	33	15	VAL	CB-CG1	8.45	1.80	1.52
2	37	45	ALA	C-N	-8.45	1.23	1.33
2	4F	15	VAL	CB-CG1	8.45	1.80	1.52
2	4J	45	ALA	C-N	-8.45	1.23	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4R	45	ALA	C-N	-8.45	1.23	1.33
2	4Z	15	VAL	CB-CG1	8.45	1.80	1.52
2	5V	15	VAL	CB-CG1	8.45	1.80	1.52
2	43	15	VAL	CB-CG1	8.45	1.80	1.52
2	47	15	VAL	CB-CG1	8.45	1.80	1.52
2	5B	15	VAL	CB-CG1	8.45	1.80	1.52
2	5Z	45	ALA	C-N	-8.45	1.23	1.33
2	53	15	VAL	CB-CG1	8.45	1.80	1.52
2	57	15	VAL	CB-CG1	8.45	1.80	1.52
2	6B	15	VAL	CB-CG1	8.45	1.80	1.52
2	6F	45	ALA	C-N	-8.45	1.23	1.33
2	6N	15	VAL	CB-CG1	8.45	1.80	1.52
2	6Z	45	ALA	C-N	-8.45	1.23	1.33
2	7F	15	VAL	CB-CG1	8.45	1.80	1.52
2	7J	45	ALA	C-N	-8.45	1.23	1.33
2	7V	45	ALA	C-N	-8.45	1.23	1.33
2	1R	208	SER	CB-OG	-8.45	1.25	1.42
2	1V	208	SER	CB-OG	-8.45	1.25	1.42
2	1Z	208	SER	CB-OG	-8.45	1.25	1.42
2	2R	208	SER	CB-OG	-8.45	1.25	1.42
2	2V	208	SER	CB-OG	-8.45	1.25	1.42
2	2Z	208	SER	CB-OG	-8.45	1.25	1.42
2	43	208	SER	CB-OG	-8.45	1.25	1.42
2	47	208	SER	CB-OG	-8.45	1.25	1.42
2	5B	208	SER	CB-OG	-8.45	1.25	1.42
2	53	208	SER	CB-OG	-8.45	1.25	1.42
2	57	208	SER	CB-OG	-8.45	1.25	1.42
2	6B	208	SER	CB-OG	-8.45	1.25	1.42
1	1M	6	ALA	C-N	8.44	1.45	1.33
1	2I	6	ALA	C-N	8.44	1.45	1.33
1	3A	6	ALA	C-N	8.44	1.45	1.33
1	3I	6	ALA	C-N	8.44	1.45	1.33
1	32	6	ALA	C-N	8.44	1.45	1.33
1	4E	6	ALA	C-N	8.44	1.45	1.33
1	4Y	6	ALA	C-N	8.44	1.45	1.33
1	5U	6	ALA	C-N	8.44	1.45	1.33
1	6M	6	ALA	C-N	8.44	1.45	1.33
1	6U	6	ALA	C-N	8.44	1.45	1.33
1	7E	6	ALA	C-N	8.44	1.45	1.33
1	7Q	6	ALA	C-N	8.44	1.45	1.33
2	1N	224	VAL	C-N	8.44	1.45	1.33
2	2J	224	VAL	C-N	8.44	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	224	VAL	C-N	8.44	1.45	1.33
2	3J	224	VAL	C-N	8.44	1.45	1.33
2	33	224	VAL	C-N	8.44	1.45	1.33
2	4F	224	VAL	C-N	8.44	1.45	1.33
2	4Z	224	VAL	C-N	8.44	1.45	1.33
2	5V	224	VAL	C-N	8.44	1.45	1.33
2	6N	224	VAL	C-N	8.44	1.45	1.33
2	6V	224	VAL	C-N	8.44	1.45	1.33
2	7F	224	VAL	C-N	8.44	1.45	1.33
2	7R	224	VAL	C-N	8.44	1.45	1.33
2	13	224	VAL	C-N	8.44	1.45	1.33
2	17	224	VAL	C-N	8.44	1.45	1.33
2	2B	224	VAL	C-N	8.44	1.45	1.33
2	3R	224	VAL	C-N	8.44	1.45	1.33
2	3V	224	VAL	C-N	8.44	1.45	1.33
2	3Z	224	VAL	C-N	8.44	1.45	1.33
2	5F	224	VAL	C-N	8.44	1.45	1.33
2	5J	224	VAL	C-N	8.44	1.45	1.33
2	5N	224	VAL	C-N	8.44	1.45	1.33
2	63	224	VAL	C-N	8.44	1.45	1.33
2	67	224	VAL	C-N	8.44	1.45	1.33
2	7B	224	VAL	C-N	8.44	1.45	1.33
2	13	45	ALA	C-N	-8.44	1.23	1.33
2	17	45	ALA	C-N	-8.44	1.23	1.33
2	2B	45	ALA	C-N	-8.44	1.23	1.33
2	3R	45	ALA	C-N	-8.44	1.23	1.33
2	3V	45	ALA	C-N	-8.44	1.23	1.33
2	3Z	45	ALA	C-N	-8.44	1.23	1.33
2	5F	45	ALA	C-N	-8.44	1.23	1.33
2	5J	45	ALA	C-N	-8.44	1.23	1.33
2	5N	45	ALA	C-N	-8.44	1.23	1.33
2	63	45	ALA	C-N	-8.44	1.23	1.33
2	67	45	ALA	C-N	-8.44	1.23	1.33
2	7B	45	ALA	C-N	-8.44	1.23	1.33
1	1A	6	ALA	C-N	8.43	1.45	1.33
1	1I	6	ALA	C-N	8.43	1.45	1.33
1	2E	6	ALA	C-N	8.43	1.45	1.33
1	26	6	ALA	C-N	8.43	1.45	1.33
1	3E	6	ALA	C-N	8.43	1.45	1.33
1	4A	6	ALA	C-N	8.43	1.45	1.33
1	4M	6	ALA	C-N	8.43	1.45	1.33
1	4U	6	ALA	C-N	8.43	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	6	ALA	C-N	8.43	1.45	1.33
1	6I	6	ALA	C-N	8.43	1.45	1.33
1	6Q	6	ALA	C-N	8.43	1.45	1.33
1	7M	6	ALA	C-N	8.43	1.45	1.33
2	1R	224	VAL	C-N	8.42	1.45	1.33
2	1V	224	VAL	C-N	8.42	1.45	1.33
2	1Z	224	VAL	C-N	8.42	1.45	1.33
2	2R	224	VAL	C-N	8.42	1.45	1.33
2	2V	224	VAL	C-N	8.42	1.45	1.33
2	2Z	224	VAL	C-N	8.42	1.45	1.33
2	43	224	VAL	C-N	8.42	1.45	1.33
2	47	224	VAL	C-N	8.42	1.45	1.33
2	5B	224	VAL	C-N	8.42	1.45	1.33
2	53	224	VAL	C-N	8.42	1.45	1.33
2	57	224	VAL	C-N	8.42	1.45	1.33
2	6B	224	VAL	C-N	8.42	1.45	1.33
2	1N	45	ALA	C-N	-8.42	1.23	1.33
2	2J	45	ALA	C-N	-8.42	1.23	1.33
2	3B	45	ALA	C-N	-8.42	1.23	1.33
2	3J	45	ALA	C-N	-8.42	1.23	1.33
2	33	45	ALA	C-N	-8.42	1.23	1.33
2	4F	45	ALA	C-N	-8.42	1.23	1.33
2	4Z	45	ALA	C-N	-8.42	1.23	1.33
2	5V	45	ALA	C-N	-8.42	1.23	1.33
2	6N	45	ALA	C-N	-8.42	1.23	1.33
2	6V	45	ALA	C-N	-8.42	1.23	1.33
2	7F	45	ALA	C-N	-8.42	1.23	1.33
2	7R	45	ALA	C-N	-8.42	1.23	1.33
2	1B	45	ALA	C-N	-8.42	1.23	1.33
2	1F	224	VAL	C-N	8.42	1.45	1.33
2	1J	45	ALA	C-N	-8.42	1.23	1.33
2	2F	45	ALA	C-N	-8.42	1.23	1.33
2	2N	224	VAL	C-N	8.42	1.45	1.33
2	23	224	VAL	C-N	8.42	1.45	1.33
2	27	45	ALA	C-N	-8.42	1.23	1.33
2	3F	45	ALA	C-N	-8.42	1.23	1.33
2	3N	224	VAL	C-N	8.42	1.45	1.33
2	37	224	VAL	C-N	8.42	1.45	1.33
2	4B	45	ALA	C-N	-8.42	1.23	1.33
2	4J	224	VAL	C-N	8.42	1.45	1.33
2	4N	45	ALA	C-N	-8.42	1.23	1.33
2	4R	224	VAL	C-N	8.42	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4V	45	ALA	C-N	-8.42	1.23	1.33
2	5R	45	ALA	C-N	-8.42	1.23	1.33
2	5Z	224	VAL	C-N	8.42	1.45	1.33
2	6F	224	VAL	C-N	8.42	1.45	1.33
2	6J	45	ALA	C-N	-8.42	1.23	1.33
2	6R	45	ALA	C-N	-8.42	1.23	1.33
2	6Z	224	VAL	C-N	8.42	1.45	1.33
2	7J	224	VAL	C-N	8.42	1.45	1.33
2	7N	45	ALA	C-N	-8.42	1.23	1.33
2	7V	224	VAL	C-N	8.42	1.45	1.33
1	12	6	ALA	C-N	8.42	1.45	1.33
1	16	6	ALA	C-N	8.42	1.45	1.33
1	2A	6	ALA	C-N	8.42	1.45	1.33
1	3Q	6	ALA	C-N	8.42	1.45	1.33
1	3U	6	ALA	C-N	8.42	1.45	1.33
1	3Y	6	ALA	C-N	8.42	1.45	1.33
1	5E	6	ALA	C-N	8.42	1.45	1.33
1	5I	6	ALA	C-N	8.42	1.45	1.33
1	5M	6	ALA	C-N	8.42	1.45	1.33
1	62	6	ALA	C-N	8.42	1.45	1.33
1	66	6	ALA	C-N	8.42	1.45	1.33
1	7A	6	ALA	C-N	8.42	1.45	1.33
2	1B	224	VAL	C-N	8.41	1.45	1.33
2	1J	224	VAL	C-N	8.41	1.45	1.33
2	1R	72	ARG	CD-NE	-8.41	1.34	1.46
2	1V	72	ARG	CD-NE	-8.41	1.34	1.46
2	1Z	72	ARG	CD-NE	-8.41	1.34	1.46
2	2F	224	VAL	C-N	8.41	1.45	1.33
2	2R	72	ARG	CD-NE	-8.41	1.34	1.46
2	2V	72	ARG	CD-NE	-8.41	1.34	1.46
2	2Z	72	ARG	CD-NE	-8.41	1.34	1.46
2	27	224	VAL	C-N	8.41	1.45	1.33
2	3F	224	VAL	C-N	8.41	1.45	1.33
2	4B	224	VAL	C-N	8.41	1.45	1.33
2	4N	224	VAL	C-N	8.41	1.45	1.33
2	4V	224	VAL	C-N	8.41	1.45	1.33
2	43	72	ARG	CD-NE	-8.41	1.34	1.46
2	47	72	ARG	CD-NE	-8.41	1.34	1.46
2	5B	72	ARG	CD-NE	-8.41	1.34	1.46
2	5R	224	VAL	C-N	8.41	1.45	1.33
2	53	72	ARG	CD-NE	-8.41	1.34	1.46
2	57	72	ARG	CD-NE	-8.41	1.34	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	72	ARG	CD-NE	-8.41	1.34	1.46
2	6J	224	VAL	C-N	8.41	1.45	1.33
2	6R	224	VAL	C-N	8.41	1.45	1.33
2	7N	224	VAL	C-N	8.41	1.45	1.33
2	1B	72	ARG	CD-NE	-8.40	1.34	1.46
2	1J	72	ARG	CD-NE	-8.40	1.34	1.46
1	1Q	6	ALA	C-N	8.40	1.45	1.33
1	1U	6	ALA	C-N	8.40	1.45	1.33
1	1Y	6	ALA	C-N	8.40	1.45	1.33
2	13	72	ARG	CD-NE	-8.40	1.34	1.46
2	17	72	ARG	CD-NE	-8.40	1.34	1.46
2	2B	72	ARG	CD-NE	-8.40	1.34	1.46
2	2F	72	ARG	CD-NE	-8.40	1.34	1.46
1	2Q	6	ALA	C-N	8.40	1.45	1.33
1	2U	6	ALA	C-N	8.40	1.45	1.33
1	2Y	6	ALA	C-N	8.40	1.45	1.33
2	27	72	ARG	CD-NE	-8.40	1.34	1.46
2	3F	72	ARG	CD-NE	-8.40	1.34	1.46
2	3R	72	ARG	CD-NE	-8.40	1.34	1.46
2	3V	72	ARG	CD-NE	-8.40	1.34	1.46
2	3Z	72	ARG	CD-NE	-8.40	1.34	1.46
2	4B	72	ARG	CD-NE	-8.40	1.34	1.46
2	4N	72	ARG	CD-NE	-8.40	1.34	1.46
2	4V	72	ARG	CD-NE	-8.40	1.34	1.46
1	42	6	ALA	C-N	8.40	1.45	1.33
1	46	6	ALA	C-N	8.40	1.45	1.33
1	5A	6	ALA	C-N	8.40	1.45	1.33
2	5F	72	ARG	CD-NE	-8.40	1.34	1.46
2	5J	72	ARG	CD-NE	-8.40	1.34	1.46
2	5N	72	ARG	CD-NE	-8.40	1.34	1.46
2	5R	72	ARG	CD-NE	-8.40	1.34	1.46
1	52	6	ALA	C-N	8.40	1.45	1.33
1	56	6	ALA	C-N	8.40	1.45	1.33
1	6A	6	ALA	C-N	8.40	1.45	1.33
2	6J	72	ARG	CD-NE	-8.40	1.34	1.46
2	6R	72	ARG	CD-NE	-8.40	1.34	1.46
2	63	72	ARG	CD-NE	-8.40	1.34	1.46
2	67	72	ARG	CD-NE	-8.40	1.34	1.46
2	7B	72	ARG	CD-NE	-8.40	1.34	1.46
2	7N	72	ARG	CD-NE	-8.40	1.34	1.46
2	1F	72	ARG	CD-NE	-8.38	1.34	1.46
2	1R	45	ALA	C-N	-8.38	1.23	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1V	45	ALA	C-N	-8.38	1.23	1.33
2	1Z	45	ALA	C-N	-8.38	1.23	1.33
2	2N	72	ARG	CD-NE	-8.38	1.34	1.46
2	2R	45	ALA	C-N	-8.38	1.23	1.33
2	2V	45	ALA	C-N	-8.38	1.23	1.33
2	2Z	45	ALA	C-N	-8.38	1.23	1.33
2	23	72	ARG	CD-NE	-8.38	1.34	1.46
2	3N	72	ARG	CD-NE	-8.38	1.34	1.46
2	37	72	ARG	CD-NE	-8.38	1.34	1.46
2	4J	72	ARG	CD-NE	-8.38	1.34	1.46
2	4R	72	ARG	CD-NE	-8.38	1.34	1.46
2	43	45	ALA	C-N	-8.38	1.23	1.33
2	47	45	ALA	C-N	-8.38	1.23	1.33
2	5B	45	ALA	C-N	-8.38	1.23	1.33
2	5Z	72	ARG	CD-NE	-8.38	1.34	1.46
2	53	45	ALA	C-N	-8.38	1.23	1.33
2	57	45	ALA	C-N	-8.38	1.23	1.33
2	6B	45	ALA	C-N	-8.38	1.23	1.33
2	6F	72	ARG	CD-NE	-8.38	1.34	1.46
2	6Z	72	ARG	CD-NE	-8.38	1.34	1.46
2	7J	72	ARG	CD-NE	-8.38	1.34	1.46
2	7V	72	ARG	CD-NE	-8.38	1.34	1.46
2	1N	72	ARG	CD-NE	-8.38	1.34	1.46
2	2J	72	ARG	CD-NE	-8.38	1.34	1.46
2	3B	72	ARG	CD-NE	-8.38	1.34	1.46
2	3J	72	ARG	CD-NE	-8.38	1.34	1.46
2	33	72	ARG	CD-NE	-8.38	1.34	1.46
2	4F	72	ARG	CD-NE	-8.38	1.34	1.46
2	4Z	72	ARG	CD-NE	-8.38	1.34	1.46
2	5V	72	ARG	CD-NE	-8.38	1.34	1.46
2	6N	72	ARG	CD-NE	-8.38	1.34	1.46
2	6V	72	ARG	CD-NE	-8.38	1.34	1.46
2	7F	72	ARG	CD-NE	-8.38	1.34	1.46
2	7R	72	ARG	CD-NE	-8.38	1.34	1.46
1	1A	21	ASN	CG-ND2	8.37	1.50	1.33
1	1I	21	ASN	CG-ND2	8.37	1.50	1.33
1	1Q	21	ASN	CG-ND2	8.37	1.50	1.33
1	1U	21	ASN	CG-ND2	8.37	1.50	1.33
1	1Y	21	ASN	CG-ND2	8.37	1.50	1.33
1	2E	21	ASN	CG-ND2	8.37	1.50	1.33
1	2Q	21	ASN	CG-ND2	8.37	1.50	1.33
1	2U	21	ASN	CG-ND2	8.37	1.50	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2Y	21	ASN	CG-ND2	8.37	1.50	1.33
1	26	21	ASN	CG-ND2	8.37	1.50	1.33
1	3E	21	ASN	CG-ND2	8.37	1.50	1.33
1	4A	21	ASN	CG-ND2	8.37	1.50	1.33
1	4M	21	ASN	CG-ND2	8.37	1.50	1.33
1	4U	21	ASN	CG-ND2	8.37	1.50	1.33
1	42	21	ASN	CG-ND2	8.37	1.50	1.33
1	46	21	ASN	CG-ND2	8.37	1.50	1.33
1	5A	21	ASN	CG-ND2	8.37	1.50	1.33
1	5Q	21	ASN	CG-ND2	8.37	1.50	1.33
1	52	21	ASN	CG-ND2	8.37	1.50	1.33
1	56	21	ASN	CG-ND2	8.37	1.50	1.33
1	6A	21	ASN	CG-ND2	8.37	1.50	1.33
1	6I	21	ASN	CG-ND2	8.37	1.50	1.33
1	6Q	21	ASN	CG-ND2	8.37	1.50	1.33
1	7M	21	ASN	CG-ND2	8.37	1.50	1.33
1	1M	21	ASN	CG-ND2	8.35	1.50	1.33
1	2I	21	ASN	CG-ND2	8.35	1.50	1.33
1	3A	21	ASN	CG-ND2	8.35	1.50	1.33
1	3I	21	ASN	CG-ND2	8.35	1.50	1.33
1	32	21	ASN	CG-ND2	8.35	1.50	1.33
1	4E	21	ASN	CG-ND2	8.35	1.50	1.33
1	4Y	21	ASN	CG-ND2	8.35	1.50	1.33
1	5U	21	ASN	CG-ND2	8.35	1.50	1.33
1	6M	21	ASN	CG-ND2	8.35	1.50	1.33
1	6U	21	ASN	CG-ND2	8.35	1.50	1.33
1	7E	21	ASN	CG-ND2	8.35	1.50	1.33
1	7Q	21	ASN	CG-ND2	8.35	1.50	1.33
1	1A	95	THR	CB-CG2	-8.34	1.25	1.52
1	1E	21	ASN	CG-ND2	8.34	1.50	1.33
1	1I	95	THR	CB-CG2	-8.34	1.25	1.52
1	12	21	ASN	CG-ND2	8.34	1.50	1.33
1	16	21	ASN	CG-ND2	8.34	1.50	1.33
1	2A	21	ASN	CG-ND2	8.34	1.50	1.33
1	2E	95	THR	CB-CG2	-8.34	1.25	1.52
1	2M	21	ASN	CG-ND2	8.34	1.50	1.33
1	22	21	ASN	CG-ND2	8.34	1.50	1.33
1	26	95	THR	CB-CG2	-8.34	1.25	1.52
1	3E	95	THR	CB-CG2	-8.34	1.25	1.52
1	3M	21	ASN	CG-ND2	8.34	1.50	1.33
1	3Q	21	ASN	CG-ND2	8.34	1.50	1.33
1	3U	21	ASN	CG-ND2	8.34	1.50	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3Y	21	ASN	CG-ND2	8.34	1.50	1.33
1	36	21	ASN	CG-ND2	8.34	1.50	1.33
1	4A	95	THR	CB-CG2	-8.34	1.25	1.52
1	4I	21	ASN	CG-ND2	8.34	1.50	1.33
1	4M	95	THR	CB-CG2	-8.34	1.25	1.52
1	4Q	21	ASN	CG-ND2	8.34	1.50	1.33
1	4U	95	THR	CB-CG2	-8.34	1.25	1.52
1	5E	21	ASN	CG-ND2	8.34	1.50	1.33
1	5I	21	ASN	CG-ND2	8.34	1.50	1.33
1	5M	21	ASN	CG-ND2	8.34	1.50	1.33
1	5Q	95	THR	CB-CG2	-8.34	1.25	1.52
1	5Y	21	ASN	CG-ND2	8.34	1.50	1.33
1	6E	21	ASN	CG-ND2	8.34	1.50	1.33
1	6I	95	THR	CB-CG2	-8.34	1.25	1.52
1	6Q	95	THR	CB-CG2	-8.34	1.25	1.52
1	6Y	21	ASN	CG-ND2	8.34	1.50	1.33
1	62	21	ASN	CG-ND2	8.34	1.50	1.33
1	66	21	ASN	CG-ND2	8.34	1.50	1.33
1	7A	21	ASN	CG-ND2	8.34	1.50	1.33
1	7I	21	ASN	CG-ND2	8.34	1.50	1.33
1	7M	95	THR	CB-CG2	-8.34	1.25	1.52
1	7U	21	ASN	CG-ND2	8.34	1.50	1.33
1	1E	95	THR	CB-CG2	-8.34	1.25	1.52
1	1M	95	THR	CB-CG2	-8.34	1.25	1.52
1	2I	95	THR	CB-CG2	-8.34	1.25	1.52
1	2M	95	THR	CB-CG2	-8.34	1.25	1.52
1	22	95	THR	CB-CG2	-8.34	1.25	1.52
1	3A	95	THR	CB-CG2	-8.34	1.25	1.52
1	3I	95	THR	CB-CG2	-8.34	1.25	1.52
1	3M	95	THR	CB-CG2	-8.34	1.25	1.52
1	32	95	THR	CB-CG2	-8.34	1.25	1.52
1	36	95	THR	CB-CG2	-8.34	1.25	1.52
1	4E	95	THR	CB-CG2	-8.34	1.25	1.52
1	4I	95	THR	CB-CG2	-8.34	1.25	1.52
1	4Q	95	THR	CB-CG2	-8.34	1.25	1.52
1	4Y	95	THR	CB-CG2	-8.34	1.25	1.52
1	5U	95	THR	CB-CG2	-8.34	1.25	1.52
1	5Y	95	THR	CB-CG2	-8.34	1.25	1.52
1	6E	95	THR	CB-CG2	-8.34	1.25	1.52
1	6M	95	THR	CB-CG2	-8.34	1.25	1.52
1	6U	95	THR	CB-CG2	-8.34	1.25	1.52
1	6Y	95	THR	CB-CG2	-8.34	1.25	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7E	95	THR	CB-CG2	-8.34	1.25	1.52
1	7I	95	THR	CB-CG2	-8.34	1.25	1.52
1	7Q	95	THR	CB-CG2	-8.34	1.25	1.52
1	7U	95	THR	CB-CG2	-8.34	1.25	1.52
1	1Q	95	THR	CB-CG2	-8.34	1.25	1.52
1	1U	95	THR	CB-CG2	-8.34	1.25	1.52
1	1Y	95	THR	CB-CG2	-8.34	1.25	1.52
1	2Q	95	THR	CB-CG2	-8.34	1.25	1.52
1	2U	95	THR	CB-CG2	-8.34	1.25	1.52
1	2Y	95	THR	CB-CG2	-8.34	1.25	1.52
1	42	95	THR	CB-CG2	-8.34	1.25	1.52
1	46	95	THR	CB-CG2	-8.34	1.25	1.52
1	5A	95	THR	CB-CG2	-8.34	1.25	1.52
1	52	95	THR	CB-CG2	-8.34	1.25	1.52
1	56	95	THR	CB-CG2	-8.34	1.25	1.52
1	6A	95	THR	CB-CG2	-8.34	1.25	1.52
1	12	95	THR	CB-CG2	-8.32	1.25	1.52
1	16	95	THR	CB-CG2	-8.32	1.25	1.52
1	2A	95	THR	CB-CG2	-8.32	1.25	1.52
1	3Q	95	THR	CB-CG2	-8.32	1.25	1.52
1	3U	95	THR	CB-CG2	-8.32	1.25	1.52
1	3Y	95	THR	CB-CG2	-8.32	1.25	1.52
1	5E	95	THR	CB-CG2	-8.32	1.25	1.52
1	5I	95	THR	CB-CG2	-8.32	1.25	1.52
1	5M	95	THR	CB-CG2	-8.32	1.25	1.52
1	62	95	THR	CB-CG2	-8.32	1.25	1.52
1	66	95	THR	CB-CG2	-8.32	1.25	1.52
1	7A	95	THR	CB-CG2	-8.32	1.25	1.52
2	1F	221	ALA	C-O	-8.30	1.14	1.24
2	2N	221	ALA	C-O	-8.30	1.14	1.24
2	23	221	ALA	C-O	-8.30	1.14	1.24
2	3N	221	ALA	C-O	-8.30	1.14	1.24
2	37	221	ALA	C-O	-8.30	1.14	1.24
2	4J	221	ALA	C-O	-8.30	1.14	1.24
2	4R	221	ALA	C-O	-8.30	1.14	1.24
2	5Z	221	ALA	C-O	-8.30	1.14	1.24
2	6F	221	ALA	C-O	-8.30	1.14	1.24
2	6Z	221	ALA	C-O	-8.30	1.14	1.24
2	7J	221	ALA	C-O	-8.30	1.14	1.24
2	7V	221	ALA	C-O	-8.30	1.14	1.24
2	1B	221	ALA	C-O	-8.29	1.14	1.24
2	1J	221	ALA	C-O	-8.29	1.14	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	221	ALA	C-O	-8.29	1.14	1.24
2	27	221	ALA	C-O	-8.29	1.14	1.24
2	3F	221	ALA	C-O	-8.29	1.14	1.24
2	4B	221	ALA	C-O	-8.29	1.14	1.24
2	4N	221	ALA	C-O	-8.29	1.14	1.24
2	4V	221	ALA	C-O	-8.29	1.14	1.24
2	5R	221	ALA	C-O	-8.29	1.14	1.24
2	6J	221	ALA	C-O	-8.29	1.14	1.24
2	6R	221	ALA	C-O	-8.29	1.14	1.24
2	7N	221	ALA	C-O	-8.29	1.14	1.24
2	1N	221	ALA	C-O	-8.29	1.14	1.24
2	2J	221	ALA	C-O	-8.29	1.14	1.24
2	3B	221	ALA	C-O	-8.29	1.14	1.24
2	3J	221	ALA	C-O	-8.29	1.14	1.24
2	33	221	ALA	C-O	-8.29	1.14	1.24
2	4F	221	ALA	C-O	-8.29	1.14	1.24
2	4Z	221	ALA	C-O	-8.29	1.14	1.24
2	5V	221	ALA	C-O	-8.29	1.14	1.24
2	6N	221	ALA	C-O	-8.29	1.14	1.24
2	6V	221	ALA	C-O	-8.29	1.14	1.24
2	7F	221	ALA	C-O	-8.29	1.14	1.24
2	7R	221	ALA	C-O	-8.29	1.14	1.24
1	1M	31	LYS	CA-C	8.24	1.64	1.53
1	2I	31	LYS	CA-C	8.24	1.64	1.53
1	3A	31	LYS	CA-C	8.24	1.64	1.53
1	3I	31	LYS	CA-C	8.24	1.64	1.53
1	32	31	LYS	CA-C	8.24	1.64	1.53
1	4E	31	LYS	CA-C	8.24	1.64	1.53
1	4Y	31	LYS	CA-C	8.24	1.64	1.53
1	5U	31	LYS	CA-C	8.24	1.64	1.53
1	6M	31	LYS	CA-C	8.24	1.64	1.53
1	6U	31	LYS	CA-C	8.24	1.64	1.53
1	7E	31	LYS	CA-C	8.24	1.64	1.53
1	7Q	31	LYS	CA-C	8.24	1.64	1.53
2	13	29	MET	N-CA	8.24	1.57	1.46
2	17	29	MET	N-CA	8.24	1.57	1.46
2	2B	29	MET	N-CA	8.24	1.57	1.46
2	3R	29	MET	N-CA	8.24	1.57	1.46
2	3V	29	MET	N-CA	8.24	1.57	1.46
2	3Z	29	MET	N-CA	8.24	1.57	1.46
2	5F	29	MET	N-CA	8.24	1.57	1.46
2	5J	29	MET	N-CA	8.24	1.57	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	29	MET	N-CA	8.24	1.57	1.46
2	63	29	MET	N-CA	8.24	1.57	1.46
2	67	29	MET	N-CA	8.24	1.57	1.46
2	7B	29	MET	N-CA	8.24	1.57	1.46
2	1N	29	MET	N-CA	8.24	1.57	1.46
2	2J	29	MET	N-CA	8.24	1.57	1.46
2	3B	29	MET	N-CA	8.24	1.57	1.46
2	3J	29	MET	N-CA	8.24	1.57	1.46
2	33	29	MET	N-CA	8.24	1.57	1.46
2	4F	29	MET	N-CA	8.24	1.57	1.46
2	4Z	29	MET	N-CA	8.24	1.57	1.46
2	5V	29	MET	N-CA	8.24	1.57	1.46
2	6N	29	MET	N-CA	8.24	1.57	1.46
2	6V	29	MET	N-CA	8.24	1.57	1.46
2	7F	29	MET	N-CA	8.24	1.57	1.46
2	7R	29	MET	N-CA	8.24	1.57	1.46
2	1B	29	MET	N-CA	8.23	1.57	1.46
2	1J	29	MET	N-CA	8.23	1.57	1.46
2	2F	29	MET	N-CA	8.23	1.57	1.46
2	27	29	MET	N-CA	8.23	1.57	1.46
2	3F	29	MET	N-CA	8.23	1.57	1.46
2	4B	29	MET	N-CA	8.23	1.57	1.46
2	4N	29	MET	N-CA	8.23	1.57	1.46
2	4V	29	MET	N-CA	8.23	1.57	1.46
2	5R	29	MET	N-CA	8.23	1.57	1.46
2	6J	29	MET	N-CA	8.23	1.57	1.46
2	6R	29	MET	N-CA	8.23	1.57	1.46
2	7N	29	MET	N-CA	8.23	1.57	1.46
2	13	221	ALA	C-O	-8.23	1.14	1.24
2	17	221	ALA	C-O	-8.23	1.14	1.24
2	2B	221	ALA	C-O	-8.23	1.14	1.24
2	3R	221	ALA	C-O	-8.23	1.14	1.24
2	3V	221	ALA	C-O	-8.23	1.14	1.24
2	3Z	221	ALA	C-O	-8.23	1.14	1.24
2	5F	221	ALA	C-O	-8.23	1.14	1.24
2	5J	221	ALA	C-O	-8.23	1.14	1.24
2	5N	221	ALA	C-O	-8.23	1.14	1.24
2	63	221	ALA	C-O	-8.23	1.14	1.24
2	67	221	ALA	C-O	-8.23	1.14	1.24
2	7B	221	ALA	C-O	-8.23	1.14	1.24
2	1R	29	MET	N-CA	8.22	1.57	1.46
2	1V	29	MET	N-CA	8.22	1.57	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	29	MET	N-CA	8.22	1.57	1.46
2	2R	29	MET	N-CA	8.22	1.57	1.46
2	2V	29	MET	N-CA	8.22	1.57	1.46
2	2Z	29	MET	N-CA	8.22	1.57	1.46
2	43	29	MET	N-CA	8.22	1.57	1.46
2	47	29	MET	N-CA	8.22	1.57	1.46
2	5B	29	MET	N-CA	8.22	1.57	1.46
2	53	29	MET	N-CA	8.22	1.57	1.46
2	57	29	MET	N-CA	8.22	1.57	1.46
2	6B	29	MET	N-CA	8.22	1.57	1.46
2	1R	221	ALA	C-O	-8.21	1.14	1.24
2	1V	221	ALA	C-O	-8.21	1.14	1.24
2	1Z	221	ALA	C-O	-8.21	1.14	1.24
2	2R	221	ALA	C-O	-8.21	1.14	1.24
2	2V	221	ALA	C-O	-8.21	1.14	1.24
2	2Z	221	ALA	C-O	-8.21	1.14	1.24
2	43	221	ALA	C-O	-8.21	1.14	1.24
2	47	221	ALA	C-O	-8.21	1.14	1.24
2	5B	221	ALA	C-O	-8.21	1.14	1.24
2	53	221	ALA	C-O	-8.21	1.14	1.24
2	57	221	ALA	C-O	-8.21	1.14	1.24
2	6B	221	ALA	C-O	-8.21	1.14	1.24
2	1F	29	MET	N-CA	8.21	1.57	1.46
2	2N	29	MET	N-CA	8.21	1.57	1.46
2	23	29	MET	N-CA	8.21	1.57	1.46
2	3N	29	MET	N-CA	8.21	1.57	1.46
2	37	29	MET	N-CA	8.21	1.57	1.46
2	4J	29	MET	N-CA	8.21	1.57	1.46
2	4R	29	MET	N-CA	8.21	1.57	1.46
2	5Z	29	MET	N-CA	8.21	1.57	1.46
2	6F	29	MET	N-CA	8.21	1.57	1.46
2	6Z	29	MET	N-CA	8.21	1.57	1.46
2	7J	29	MET	N-CA	8.21	1.57	1.46
2	7V	29	MET	N-CA	8.21	1.57	1.46
2	1R	74	TYR	CG-CD2	-8.19	1.22	1.39
2	1V	74	TYR	CG-CD2	-8.19	1.22	1.39
2	1Z	74	TYR	CG-CD2	-8.19	1.22	1.39
2	2R	74	TYR	CG-CD2	-8.19	1.22	1.39
2	2V	74	TYR	CG-CD2	-8.19	1.22	1.39
2	2Z	74	TYR	CG-CD2	-8.19	1.22	1.39
2	43	74	TYR	CG-CD2	-8.19	1.22	1.39
2	47	74	TYR	CG-CD2	-8.19	1.22	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	74	TYR	CG-CD2	-8.19	1.22	1.39
2	53	74	TYR	CG-CD2	-8.19	1.22	1.39
2	57	74	TYR	CG-CD2	-8.19	1.22	1.39
2	6B	74	TYR	CG-CD2	-8.19	1.22	1.39
1	1E	31	LYS	CA-C	8.18	1.64	1.53
1	2M	31	LYS	CA-C	8.18	1.64	1.53
1	22	31	LYS	CA-C	8.18	1.64	1.53
1	3M	31	LYS	CA-C	8.18	1.64	1.53
1	36	31	LYS	CA-C	8.18	1.64	1.53
1	4I	31	LYS	CA-C	8.18	1.64	1.53
1	4Q	31	LYS	CA-C	8.18	1.64	1.53
1	5Y	31	LYS	CA-C	8.18	1.64	1.53
1	6E	31	LYS	CA-C	8.18	1.64	1.53
1	6Y	31	LYS	CA-C	8.18	1.64	1.53
1	7I	31	LYS	CA-C	8.18	1.64	1.53
1	7U	31	LYS	CA-C	8.18	1.64	1.53
1	1A	48	TYR	CG-CD2	8.18	1.56	1.39
1	1A	66	ARG	CA-C	-8.18	1.42	1.52
1	1I	48	TYR	CG-CD2	8.18	1.56	1.39
1	1I	66	ARG	CA-C	-8.18	1.42	1.52
1	1M	48	TYR	CG-CD2	8.18	1.56	1.39
1	2E	48	TYR	CG-CD2	8.18	1.56	1.39
1	2E	66	ARG	CA-C	-8.18	1.42	1.52
1	2I	48	TYR	CG-CD2	8.18	1.56	1.39
1	26	48	TYR	CG-CD2	8.18	1.56	1.39
1	26	66	ARG	CA-C	-8.18	1.42	1.52
1	3A	48	TYR	CG-CD2	8.18	1.56	1.39
1	3E	48	TYR	CG-CD2	8.18	1.56	1.39
1	3E	66	ARG	CA-C	-8.18	1.42	1.52
1	3I	48	TYR	CG-CD2	8.18	1.56	1.39
1	32	48	TYR	CG-CD2	8.18	1.56	1.39
1	4A	48	TYR	CG-CD2	8.18	1.56	1.39
1	4A	66	ARG	CA-C	-8.18	1.42	1.52
1	4E	48	TYR	CG-CD2	8.18	1.56	1.39
1	4M	48	TYR	CG-CD2	8.18	1.56	1.39
1	4M	66	ARG	CA-C	-8.18	1.42	1.52
1	4U	48	TYR	CG-CD2	8.18	1.56	1.39
1	4U	66	ARG	CA-C	-8.18	1.42	1.52
1	4Y	48	TYR	CG-CD2	8.18	1.56	1.39
1	5Q	48	TYR	CG-CD2	8.18	1.56	1.39
1	5Q	66	ARG	CA-C	-8.18	1.42	1.52
1	5U	48	TYR	CG-CD2	8.18	1.56	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6I	48	TYR	CG-CD2	8.18	1.56	1.39
1	6I	66	ARG	CA-C	-8.18	1.42	1.52
1	6M	48	TYR	CG-CD2	8.18	1.56	1.39
1	6Q	48	TYR	CG-CD2	8.18	1.56	1.39
1	6Q	66	ARG	CA-C	-8.18	1.42	1.52
1	6U	48	TYR	CG-CD2	8.18	1.56	1.39
1	7E	48	TYR	CG-CD2	8.18	1.56	1.39
1	7M	48	TYR	CG-CD2	8.18	1.56	1.39
1	7M	66	ARG	CA-C	-8.18	1.42	1.52
1	7Q	48	TYR	CG-CD2	8.18	1.56	1.39
2	13	74	TYR	CG-CD2	-8.17	1.22	1.39
2	17	74	TYR	CG-CD2	-8.17	1.22	1.39
2	2B	74	TYR	CG-CD2	-8.17	1.22	1.39
2	3R	74	TYR	CG-CD2	-8.17	1.22	1.39
2	3V	74	TYR	CG-CD2	-8.17	1.22	1.39
2	3Z	74	TYR	CG-CD2	-8.17	1.22	1.39
2	5F	74	TYR	CG-CD2	-8.17	1.22	1.39
2	5J	74	TYR	CG-CD2	-8.17	1.22	1.39
2	5N	74	TYR	CG-CD2	-8.17	1.22	1.39
2	63	74	TYR	CG-CD2	-8.17	1.22	1.39
2	67	74	TYR	CG-CD2	-8.17	1.22	1.39
2	7B	74	TYR	CG-CD2	-8.17	1.22	1.39
2	1N	74	TYR	CG-CD2	-8.17	1.22	1.39
2	2J	74	TYR	CG-CD2	-8.17	1.22	1.39
2	3B	74	TYR	CG-CD2	-8.17	1.22	1.39
2	3J	74	TYR	CG-CD2	-8.17	1.22	1.39
2	33	74	TYR	CG-CD2	-8.17	1.22	1.39
2	4F	74	TYR	CG-CD2	-8.17	1.22	1.39
2	4Z	74	TYR	CG-CD2	-8.17	1.22	1.39
2	5V	74	TYR	CG-CD2	-8.17	1.22	1.39
2	6N	74	TYR	CG-CD2	-8.17	1.22	1.39
2	6V	74	TYR	CG-CD2	-8.17	1.22	1.39
2	7F	74	TYR	CG-CD2	-8.17	1.22	1.39
2	7R	74	TYR	CG-CD2	-8.17	1.22	1.39
1	1E	66	ARG	CA-C	-8.16	1.42	1.52
1	1E	146	ASN	C-N	-8.16	1.21	1.33
1	2M	66	ARG	CA-C	-8.16	1.42	1.52
1	2M	146	ASN	C-N	-8.16	1.21	1.33
1	22	66	ARG	CA-C	-8.16	1.42	1.52
1	22	146	ASN	C-N	-8.16	1.21	1.33
1	3M	66	ARG	CA-C	-8.16	1.42	1.52
1	3M	146	ASN	C-N	-8.16	1.21	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	36	66	ARG	CA-C	-8.16	1.42	1.52
1	36	146	ASN	C-N	-8.16	1.21	1.33
1	4I	66	ARG	CA-C	-8.16	1.42	1.52
1	4I	146	ASN	C-N	-8.16	1.21	1.33
1	4Q	66	ARG	CA-C	-8.16	1.42	1.52
1	4Q	146	ASN	C-N	-8.16	1.21	1.33
1	5Y	66	ARG	CA-C	-8.16	1.42	1.52
1	5Y	146	ASN	C-N	-8.16	1.21	1.33
1	6E	66	ARG	CA-C	-8.16	1.42	1.52
1	6E	146	ASN	C-N	-8.16	1.21	1.33
1	6Y	66	ARG	CA-C	-8.16	1.42	1.52
1	6Y	146	ASN	C-N	-8.16	1.21	1.33
1	7I	66	ARG	CA-C	-8.16	1.42	1.52
1	7I	146	ASN	C-N	-8.16	1.21	1.33
1	7U	66	ARG	CA-C	-8.16	1.42	1.52
1	7U	146	ASN	C-N	-8.16	1.21	1.33
1	1A	31	LYS	CA-C	8.16	1.64	1.53
1	1I	31	LYS	CA-C	8.16	1.64	1.53
1	2E	31	LYS	CA-C	8.16	1.64	1.53
1	26	31	LYS	CA-C	8.16	1.64	1.53
1	3E	31	LYS	CA-C	8.16	1.64	1.53
1	4A	31	LYS	CA-C	8.16	1.64	1.53
1	4M	31	LYS	CA-C	8.16	1.64	1.53
1	4U	31	LYS	CA-C	8.16	1.64	1.53
1	5Q	31	LYS	CA-C	8.16	1.64	1.53
1	6I	31	LYS	CA-C	8.16	1.64	1.53
1	6Q	31	LYS	CA-C	8.16	1.64	1.53
1	7M	31	LYS	CA-C	8.16	1.64	1.53
2	1B	74	TYR	CG-CD2	-8.16	1.22	1.39
2	1J	74	TYR	CG-CD2	-8.16	1.22	1.39
2	2F	74	TYR	CG-CD2	-8.16	1.22	1.39
2	27	74	TYR	CG-CD2	-8.16	1.22	1.39
2	3F	74	TYR	CG-CD2	-8.16	1.22	1.39
2	4B	74	TYR	CG-CD2	-8.16	1.22	1.39
2	4N	74	TYR	CG-CD2	-8.16	1.22	1.39
2	4V	74	TYR	CG-CD2	-8.16	1.22	1.39
2	5R	74	TYR	CG-CD2	-8.16	1.22	1.39
2	6J	74	TYR	CG-CD2	-8.16	1.22	1.39
2	6R	74	TYR	CG-CD2	-8.16	1.22	1.39
2	7N	74	TYR	CG-CD2	-8.16	1.22	1.39
1	12	42	VAL	CA-CB	8.16	1.65	1.54
1	16	42	VAL	CA-CB	8.16	1.65	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	42	VAL	CA-CB	8.16	1.65	1.54
1	3Q	42	VAL	CA-CB	8.16	1.65	1.54
1	3U	42	VAL	CA-CB	8.16	1.65	1.54
1	3Y	42	VAL	CA-CB	8.16	1.65	1.54
1	5E	42	VAL	CA-CB	8.16	1.65	1.54
1	5I	42	VAL	CA-CB	8.16	1.65	1.54
1	5M	42	VAL	CA-CB	8.16	1.65	1.54
1	62	42	VAL	CA-CB	8.16	1.65	1.54
1	66	42	VAL	CA-CB	8.16	1.65	1.54
1	7A	42	VAL	CA-CB	8.16	1.65	1.54
1	12	31	LYS	CA-C	8.15	1.64	1.53
1	12	146	ASN	C-N	-8.15	1.21	1.33
1	16	31	LYS	CA-C	8.15	1.64	1.53
1	16	146	ASN	C-N	-8.15	1.21	1.33
1	2A	31	LYS	CA-C	8.15	1.64	1.53
1	2A	146	ASN	C-N	-8.15	1.21	1.33
1	3Q	31	LYS	CA-C	8.15	1.64	1.53
1	3Q	146	ASN	C-N	-8.15	1.21	1.33
1	3U	31	LYS	CA-C	8.15	1.64	1.53
1	3U	146	ASN	C-N	-8.15	1.21	1.33
1	3Y	31	LYS	CA-C	8.15	1.64	1.53
1	3Y	146	ASN	C-N	-8.15	1.21	1.33
1	5E	31	LYS	CA-C	8.15	1.64	1.53
1	5E	146	ASN	C-N	-8.15	1.21	1.33
1	5I	31	LYS	CA-C	8.15	1.64	1.53
1	5I	146	ASN	C-N	-8.15	1.21	1.33
1	5M	31	LYS	CA-C	8.15	1.64	1.53
1	5M	146	ASN	C-N	-8.15	1.21	1.33
1	62	31	LYS	CA-C	8.15	1.64	1.53
1	62	146	ASN	C-N	-8.15	1.21	1.33
1	66	31	LYS	CA-C	8.15	1.64	1.53
1	66	146	ASN	C-N	-8.15	1.21	1.33
1	7A	31	LYS	CA-C	8.15	1.64	1.53
1	7A	146	ASN	C-N	-8.15	1.21	1.33
1	1Q	31	LYS	CA-C	8.15	1.64	1.53
1	1U	31	LYS	CA-C	8.15	1.64	1.53
1	1Y	31	LYS	CA-C	8.15	1.64	1.53
1	2Q	31	LYS	CA-C	8.15	1.64	1.53
1	2U	31	LYS	CA-C	8.15	1.64	1.53
1	2Y	31	LYS	CA-C	8.15	1.64	1.53
1	42	31	LYS	CA-C	8.15	1.64	1.53
1	46	31	LYS	CA-C	8.15	1.64	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	31	LYS	CA-C	8.15	1.64	1.53
1	52	31	LYS	CA-C	8.15	1.64	1.53
1	56	31	LYS	CA-C	8.15	1.64	1.53
1	6A	31	LYS	CA-C	8.15	1.64	1.53
1	1Q	48	TYR	CG-CD2	8.15	1.56	1.39
1	1U	48	TYR	CG-CD2	8.15	1.56	1.39
1	1Y	48	TYR	CG-CD2	8.15	1.56	1.39
1	2Q	48	TYR	CG-CD2	8.15	1.56	1.39
1	2U	48	TYR	CG-CD2	8.15	1.56	1.39
1	2Y	48	TYR	CG-CD2	8.15	1.56	1.39
1	42	48	TYR	CG-CD2	8.15	1.56	1.39
1	46	48	TYR	CG-CD2	8.15	1.56	1.39
1	5A	48	TYR	CG-CD2	8.15	1.56	1.39
1	52	48	TYR	CG-CD2	8.15	1.56	1.39
1	56	48	TYR	CG-CD2	8.15	1.56	1.39
1	6A	48	TYR	CG-CD2	8.15	1.56	1.39
1	1E	48	TYR	CG-CD2	8.15	1.56	1.39
1	2M	48	TYR	CG-CD2	8.15	1.56	1.39
1	22	48	TYR	CG-CD2	8.15	1.56	1.39
1	3M	48	TYR	CG-CD2	8.15	1.56	1.39
1	36	48	TYR	CG-CD2	8.15	1.56	1.39
1	4I	48	TYR	CG-CD2	8.15	1.56	1.39
1	4Q	48	TYR	CG-CD2	8.15	1.56	1.39
1	5Y	48	TYR	CG-CD2	8.15	1.56	1.39
1	6E	48	TYR	CG-CD2	8.15	1.56	1.39
1	6Y	48	TYR	CG-CD2	8.15	1.56	1.39
1	7I	48	TYR	CG-CD2	8.15	1.56	1.39
1	7U	48	TYR	CG-CD2	8.15	1.56	1.39
1	1A	92	ASN	CB-CG	8.14	1.72	1.52
1	1A	146	ASN	C-N	-8.14	1.21	1.33
1	1E	42	VAL	CA-CB	8.14	1.65	1.54
2	1F	74	TYR	CG-CD2	-8.14	1.22	1.39
1	1I	92	ASN	CB-CG	8.14	1.72	1.52
1	1I	146	ASN	C-N	-8.14	1.21	1.33
1	2E	92	ASN	CB-CG	8.14	1.72	1.52
1	2E	146	ASN	C-N	-8.14	1.21	1.33
1	2M	42	VAL	CA-CB	8.14	1.65	1.54
1	22	42	VAL	CA-CB	8.14	1.65	1.54
1	26	92	ASN	CB-CG	8.14	1.72	1.52
1	26	146	ASN	C-N	-8.14	1.21	1.33
1	3E	92	ASN	CB-CG	8.14	1.72	1.52
1	4A	92	ASN	CB-CG	8.14	1.72	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4I	42	VAL	CA-CB	8.14	1.65	1.54
1	4M	146	ASN	C-N	-8.14	1.21	1.33
1	6I	92	ASN	CB-CG	8.14	1.72	1.52
1	6Q	92	ASN	CB-CG	8.14	1.72	1.52
1	12	66	ARG	CA-C	-8.14	1.42	1.52
1	16	66	ARG	CA-C	-8.14	1.42	1.52
1	2A	66	ARG	CA-C	-8.14	1.42	1.52
2	2N	74	TYR	CG-CD2	-8.14	1.22	1.39
2	23	74	TYR	CG-CD2	-8.14	1.22	1.39
1	3E	146	ASN	C-N	-8.14	1.21	1.33
1	3M	42	VAL	CA-CB	8.14	1.65	1.54
2	3N	74	TYR	CG-CD2	-8.14	1.22	1.39
1	36	42	VAL	CA-CB	8.14	1.65	1.54
1	4A	146	ASN	C-N	-8.14	1.21	1.33
1	4M	92	ASN	CB-CG	8.14	1.72	1.52
1	4Q	42	VAL	CA-CB	8.14	1.65	1.54
1	4U	92	ASN	CB-CG	8.14	1.72	1.52
1	3Q	66	ARG	CA-C	-8.14	1.42	1.52
1	3U	66	ARG	CA-C	-8.14	1.42	1.52
1	3Y	66	ARG	CA-C	-8.14	1.42	1.52
2	37	74	TYR	CG-CD2	-8.14	1.22	1.39
2	4J	74	TYR	CG-CD2	-8.14	1.22	1.39
2	4R	74	TYR	CG-CD2	-8.14	1.22	1.39
1	4U	146	ASN	C-N	-8.14	1.21	1.33
1	5Q	92	ASN	CB-CG	8.14	1.72	1.52
1	5Q	146	ASN	C-N	-8.14	1.21	1.33
1	5Y	42	VAL	CA-CB	8.14	1.65	1.54
1	6E	42	VAL	CA-CB	8.14	1.65	1.54
1	6I	146	ASN	C-N	-8.14	1.21	1.33
1	6Q	146	ASN	C-N	-8.14	1.21	1.33
1	7I	42	VAL	CA-CB	8.14	1.65	1.54
1	5E	66	ARG	CA-C	-8.14	1.42	1.52
1	5I	66	ARG	CA-C	-8.14	1.42	1.52
1	5M	66	ARG	CA-C	-8.14	1.42	1.52
2	5Z	74	TYR	CG-CD2	-8.14	1.22	1.39
2	6F	74	TYR	CG-CD2	-8.14	1.22	1.39
1	6Y	42	VAL	CA-CB	8.14	1.65	1.54
2	6Z	74	TYR	CG-CD2	-8.14	1.22	1.39
1	7M	92	ASN	CB-CG	8.14	1.72	1.52
1	62	66	ARG	CA-C	-8.14	1.42	1.52
1	66	66	ARG	CA-C	-8.14	1.42	1.52
1	7A	66	ARG	CA-C	-8.14	1.42	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	7J	74	TYR	CG-CD2	-8.14	1.22	1.39
1	7M	146	ASN	C-N	-8.14	1.21	1.33
1	7U	42	VAL	CA-CB	8.14	1.65	1.54
2	7V	74	TYR	CG-CD2	-8.14	1.22	1.39
1	12	92	ASN	CB-CG	8.14	1.72	1.52
1	16	92	ASN	CB-CG	8.14	1.72	1.52
1	2A	92	ASN	CB-CG	8.14	1.72	1.52
1	3Q	92	ASN	CB-CG	8.14	1.72	1.52
1	3U	92	ASN	CB-CG	8.14	1.72	1.52
1	3Y	92	ASN	CB-CG	8.14	1.72	1.52
1	5E	92	ASN	CB-CG	8.14	1.72	1.52
1	5I	92	ASN	CB-CG	8.14	1.72	1.52
1	5M	92	ASN	CB-CG	8.14	1.72	1.52
1	62	92	ASN	CB-CG	8.14	1.72	1.52
1	66	92	ASN	CB-CG	8.14	1.72	1.52
1	7A	92	ASN	CB-CG	8.14	1.72	1.52
1	1Q	92	ASN	CB-CG	8.13	1.72	1.52
1	1U	92	ASN	CB-CG	8.13	1.72	1.52
1	1Y	92	ASN	CB-CG	8.13	1.72	1.52
1	2Q	92	ASN	CB-CG	8.13	1.72	1.52
1	2U	92	ASN	CB-CG	8.13	1.72	1.52
1	2Y	92	ASN	CB-CG	8.13	1.72	1.52
1	42	92	ASN	CB-CG	8.13	1.72	1.52
1	46	92	ASN	CB-CG	8.13	1.72	1.52
1	5A	92	ASN	CB-CG	8.13	1.72	1.52
1	52	92	ASN	CB-CG	8.13	1.72	1.52
1	56	92	ASN	CB-CG	8.13	1.72	1.52
1	6A	92	ASN	CB-CG	8.13	1.72	1.52
1	1M	92	ASN	CB-CG	8.13	1.72	1.52
1	12	48	TYR	CG-CD2	8.13	1.56	1.39
1	16	48	TYR	CG-CD2	8.13	1.56	1.39
1	2A	48	TYR	CG-CD2	8.13	1.56	1.39
1	2I	92	ASN	CB-CG	8.13	1.72	1.52
1	3A	92	ASN	CB-CG	8.13	1.72	1.52
1	3I	92	ASN	CB-CG	8.13	1.72	1.52
1	3Q	48	TYR	CG-CD2	8.13	1.56	1.39
1	3U	48	TYR	CG-CD2	8.13	1.56	1.39
1	3Y	48	TYR	CG-CD2	8.13	1.56	1.39
1	32	92	ASN	CB-CG	8.13	1.72	1.52
1	4E	92	ASN	CB-CG	8.13	1.72	1.52
1	4Y	92	ASN	CB-CG	8.13	1.72	1.52
1	5E	48	TYR	CG-CD2	8.13	1.56	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5I	48	TYR	CG-CD2	8.13	1.56	1.39
1	5M	48	TYR	CG-CD2	8.13	1.56	1.39
1	5U	92	ASN	CB-CG	8.13	1.72	1.52
1	6M	92	ASN	CB-CG	8.13	1.72	1.52
1	6U	92	ASN	CB-CG	8.13	1.72	1.52
1	62	48	TYR	CG-CD2	8.13	1.56	1.39
1	66	48	TYR	CG-CD2	8.13	1.56	1.39
1	7A	48	TYR	CG-CD2	8.13	1.56	1.39
1	7E	92	ASN	CB-CG	8.13	1.72	1.52
1	7Q	92	ASN	CB-CG	8.13	1.72	1.52
1	1A	42	VAL	CA-CB	8.13	1.65	1.54
1	1I	42	VAL	CA-CB	8.13	1.65	1.54
1	2E	42	VAL	CA-CB	8.13	1.65	1.54
1	26	42	VAL	CA-CB	8.13	1.65	1.54
1	3E	42	VAL	CA-CB	8.13	1.65	1.54
1	4A	42	VAL	CA-CB	8.13	1.65	1.54
1	4M	42	VAL	CA-CB	8.13	1.65	1.54
1	4U	42	VAL	CA-CB	8.13	1.65	1.54
1	5Q	42	VAL	CA-CB	8.13	1.65	1.54
1	6I	42	VAL	CA-CB	8.13	1.65	1.54
1	6Q	42	VAL	CA-CB	8.13	1.65	1.54
1	7M	42	VAL	CA-CB	8.13	1.65	1.54
1	1E	92	ASN	CB-CG	8.12	1.72	1.52
1	2M	92	ASN	CB-CG	8.12	1.72	1.52
1	22	92	ASN	CB-CG	8.12	1.72	1.52
1	3M	92	ASN	CB-CG	8.12	1.72	1.52
1	36	92	ASN	CB-CG	8.12	1.72	1.52
1	4I	92	ASN	CB-CG	8.12	1.72	1.52
1	4Q	92	ASN	CB-CG	8.12	1.72	1.52
1	5Y	92	ASN	CB-CG	8.12	1.72	1.52
1	6E	92	ASN	CB-CG	8.12	1.72	1.52
1	6Y	92	ASN	CB-CG	8.12	1.72	1.52
1	7I	92	ASN	CB-CG	8.12	1.72	1.52
1	7U	92	ASN	CB-CG	8.12	1.72	1.52
2	1N	42	HIS	C-O	8.12	1.32	1.23
2	2J	42	HIS	C-O	8.12	1.32	1.23
2	3B	42	HIS	C-O	8.12	1.32	1.23
2	3J	42	HIS	C-O	8.12	1.32	1.23
2	33	42	HIS	C-O	8.12	1.32	1.23
2	4F	42	HIS	C-O	8.12	1.32	1.23
2	4Z	42	HIS	C-O	8.12	1.32	1.23
2	5V	42	HIS	C-O	8.12	1.32	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	42	HIS	C-O	8.12	1.32	1.23
2	6V	42	HIS	C-O	8.12	1.32	1.23
2	7F	42	HIS	C-O	8.12	1.32	1.23
2	7R	42	HIS	C-O	8.12	1.32	1.23
2	1F	54	ASN	CA-CB	8.12	1.65	1.53
2	2N	54	ASN	CA-CB	8.12	1.65	1.53
2	23	54	ASN	CA-CB	8.12	1.65	1.53
2	3N	54	ASN	CA-CB	8.12	1.65	1.53
2	37	54	ASN	CA-CB	8.12	1.65	1.53
2	4J	54	ASN	CA-CB	8.12	1.65	1.53
2	4R	54	ASN	CA-CB	8.12	1.65	1.53
2	5Z	54	ASN	CA-CB	8.12	1.65	1.53
2	6F	54	ASN	CA-CB	8.12	1.65	1.53
2	6Z	54	ASN	CA-CB	8.12	1.65	1.53
2	7J	54	ASN	CA-CB	8.12	1.65	1.53
2	7V	54	ASN	CA-CB	8.12	1.65	1.53
2	13	42	HIS	C-O	8.11	1.32	1.23
2	17	42	HIS	C-O	8.11	1.32	1.23
2	2B	42	HIS	C-O	8.11	1.32	1.23
2	3R	42	HIS	C-O	8.11	1.32	1.23
2	3V	42	HIS	C-O	8.11	1.32	1.23
2	3Z	42	HIS	C-O	8.11	1.32	1.23
2	5F	42	HIS	C-O	8.11	1.32	1.23
2	5J	42	HIS	C-O	8.11	1.32	1.23
2	5N	42	HIS	C-O	8.11	1.32	1.23
2	63	42	HIS	C-O	8.11	1.32	1.23
2	67	42	HIS	C-O	8.11	1.32	1.23
2	7B	42	HIS	C-O	8.11	1.32	1.23
2	1B	42	HIS	C-O	8.11	1.32	1.23
2	1J	42	HIS	C-O	8.11	1.32	1.23
2	1R	42	HIS	C-O	8.11	1.32	1.23
2	1V	42	HIS	C-O	8.11	1.32	1.23
2	1Z	42	HIS	C-O	8.11	1.32	1.23
2	2F	42	HIS	C-O	8.11	1.32	1.23
2	2R	42	HIS	C-O	8.11	1.32	1.23
2	2V	42	HIS	C-O	8.11	1.32	1.23
2	2Z	42	HIS	C-O	8.11	1.32	1.23
2	27	42	HIS	C-O	8.11	1.32	1.23
2	3F	42	HIS	C-O	8.11	1.32	1.23
2	4B	42	HIS	C-O	8.11	1.32	1.23
2	4N	42	HIS	C-O	8.11	1.32	1.23
2	4V	42	HIS	C-O	8.11	1.32	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	43	42	HIS	C-O	8.11	1.32	1.23
2	47	42	HIS	C-O	8.11	1.32	1.23
2	5B	42	HIS	C-O	8.11	1.32	1.23
2	5R	42	HIS	C-O	8.11	1.32	1.23
2	53	42	HIS	C-O	8.11	1.32	1.23
2	57	42	HIS	C-O	8.11	1.32	1.23
2	6B	42	HIS	C-O	8.11	1.32	1.23
2	6J	42	HIS	C-O	8.11	1.32	1.23
2	6R	42	HIS	C-O	8.11	1.32	1.23
2	7N	42	HIS	C-O	8.11	1.32	1.23
1	1M	66	ARG	CA-C	-8.10	1.42	1.52
1	2I	66	ARG	CA-C	-8.10	1.42	1.52
1	3A	66	ARG	CA-C	-8.10	1.42	1.52
1	3I	66	ARG	CA-C	-8.10	1.42	1.52
1	32	66	ARG	CA-C	-8.10	1.42	1.52
1	4E	66	ARG	CA-C	-8.10	1.42	1.52
1	4Y	66	ARG	CA-C	-8.10	1.42	1.52
1	5U	66	ARG	CA-C	-8.10	1.42	1.52
1	6M	66	ARG	CA-C	-8.10	1.42	1.52
1	6U	66	ARG	CA-C	-8.10	1.42	1.52
1	7E	66	ARG	CA-C	-8.10	1.42	1.52
1	7Q	66	ARG	CA-C	-8.10	1.42	1.52
2	1R	54	ASN	CA-CB	8.10	1.65	1.53
2	1V	54	ASN	CA-CB	8.10	1.65	1.53
2	1Z	54	ASN	CA-CB	8.10	1.65	1.53
2	2R	54	ASN	CA-CB	8.10	1.65	1.53
2	2V	54	ASN	CA-CB	8.10	1.65	1.53
2	2Z	54	ASN	CA-CB	8.10	1.65	1.53
2	43	54	ASN	CA-CB	8.10	1.65	1.53
2	47	54	ASN	CA-CB	8.10	1.65	1.53
2	5B	54	ASN	CA-CB	8.10	1.65	1.53
2	53	54	ASN	CA-CB	8.10	1.65	1.53
2	57	54	ASN	CA-CB	8.10	1.65	1.53
2	6B	54	ASN	CA-CB	8.10	1.65	1.53
1	1Q	146	ASN	C-N	-8.10	1.22	1.33
1	1U	146	ASN	C-N	-8.10	1.22	1.33
1	1Y	146	ASN	C-N	-8.10	1.22	1.33
1	2Q	146	ASN	C-N	-8.10	1.22	1.33
1	2U	146	ASN	C-N	-8.10	1.22	1.33
1	2Y	146	ASN	C-N	-8.10	1.22	1.33
1	42	146	ASN	C-N	-8.10	1.22	1.33
1	46	146	ASN	C-N	-8.10	1.22	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	146	ASN	C-N	-8.10	1.22	1.33
1	52	146	ASN	C-N	-8.10	1.22	1.33
1	56	146	ASN	C-N	-8.10	1.22	1.33
1	6A	146	ASN	C-N	-8.10	1.22	1.33
2	1B	54	ASN	CA-CB	8.09	1.65	1.53
2	1J	54	ASN	CA-CB	8.09	1.65	1.53
1	1M	146	ASN	C-N	-8.09	1.22	1.33
2	2F	54	ASN	CA-CB	8.09	1.65	1.53
1	2I	146	ASN	C-N	-8.09	1.22	1.33
2	27	54	ASN	CA-CB	8.09	1.65	1.53
1	3A	146	ASN	C-N	-8.09	1.22	1.33
2	3F	54	ASN	CA-CB	8.09	1.65	1.53
1	3I	146	ASN	C-N	-8.09	1.22	1.33
1	32	146	ASN	C-N	-8.09	1.22	1.33
2	4B	54	ASN	CA-CB	8.09	1.65	1.53
1	4E	146	ASN	C-N	-8.09	1.22	1.33
2	4N	54	ASN	CA-CB	8.09	1.65	1.53
2	4V	54	ASN	CA-CB	8.09	1.65	1.53
1	4Y	146	ASN	C-N	-8.09	1.22	1.33
2	5R	54	ASN	CA-CB	8.09	1.65	1.53
1	5U	146	ASN	C-N	-8.09	1.22	1.33
2	6J	54	ASN	CA-CB	8.09	1.65	1.53
1	6M	146	ASN	C-N	-8.09	1.22	1.33
2	6R	54	ASN	CA-CB	8.09	1.65	1.53
1	6U	146	ASN	C-N	-8.09	1.22	1.33
1	7E	146	ASN	C-N	-8.09	1.22	1.33
2	7N	54	ASN	CA-CB	8.09	1.65	1.53
1	7Q	146	ASN	C-N	-8.09	1.22	1.33
1	1M	168	GLN	C-N	-8.09	1.22	1.33
1	1Q	66	ARG	CA-C	-8.09	1.42	1.52
1	1U	66	ARG	CA-C	-8.09	1.42	1.52
1	1Y	66	ARG	CA-C	-8.09	1.42	1.52
2	13	54	ASN	CA-CB	8.09	1.65	1.53
2	17	54	ASN	CA-CB	8.09	1.65	1.53
2	2B	54	ASN	CA-CB	8.09	1.65	1.53
1	2I	168	GLN	C-N	-8.09	1.22	1.33
1	2Q	66	ARG	CA-C	-8.09	1.42	1.52
1	2U	66	ARG	CA-C	-8.09	1.42	1.52
1	2Y	66	ARG	CA-C	-8.09	1.42	1.52
1	3A	168	GLN	C-N	-8.09	1.22	1.33
1	3I	168	GLN	C-N	-8.09	1.22	1.33
2	3R	54	ASN	CA-CB	8.09	1.65	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3V	54	ASN	CA-CB	8.09	1.65	1.53
2	3Z	54	ASN	CA-CB	8.09	1.65	1.53
1	32	168	GLN	C-N	-8.09	1.22	1.33
1	4E	168	GLN	C-N	-8.09	1.22	1.33
1	4Y	168	GLN	C-N	-8.09	1.22	1.33
1	42	66	ARG	CA-C	-8.09	1.42	1.52
1	46	66	ARG	CA-C	-8.09	1.42	1.52
1	5A	66	ARG	CA-C	-8.09	1.42	1.52
2	5F	54	ASN	CA-CB	8.09	1.65	1.53
2	5J	54	ASN	CA-CB	8.09	1.65	1.53
2	5N	54	ASN	CA-CB	8.09	1.65	1.53
1	5U	168	GLN	C-N	-8.09	1.22	1.33
1	52	66	ARG	CA-C	-8.09	1.42	1.52
1	56	66	ARG	CA-C	-8.09	1.42	1.52
1	6A	66	ARG	CA-C	-8.09	1.42	1.52
1	6M	168	GLN	C-N	-8.09	1.22	1.33
1	6U	168	GLN	C-N	-8.09	1.22	1.33
2	63	54	ASN	CA-CB	8.09	1.65	1.53
2	67	54	ASN	CA-CB	8.09	1.65	1.53
2	7B	54	ASN	CA-CB	8.09	1.65	1.53
1	7E	168	GLN	C-N	-8.09	1.22	1.33
1	7Q	168	GLN	C-N	-8.09	1.22	1.33
2	1F	42	HIS	C-O	8.09	1.32	1.23
1	1M	42	VAL	CA-CB	8.09	1.65	1.54
1	2I	42	VAL	CA-CB	8.09	1.65	1.54
2	2N	42	HIS	C-O	8.09	1.32	1.23
2	23	42	HIS	C-O	8.09	1.32	1.23
1	3A	42	VAL	CA-CB	8.09	1.65	1.54
1	3I	42	VAL	CA-CB	8.09	1.65	1.54
2	3N	42	HIS	C-O	8.09	1.32	1.23
1	32	42	VAL	CA-CB	8.09	1.65	1.54
2	37	42	HIS	C-O	8.09	1.32	1.23
1	4E	42	VAL	CA-CB	8.09	1.65	1.54
2	4J	42	HIS	C-O	8.09	1.32	1.23
2	4R	42	HIS	C-O	8.09	1.32	1.23
1	4Y	42	VAL	CA-CB	8.09	1.65	1.54
1	5U	42	VAL	CA-CB	8.09	1.65	1.54
2	5Z	42	HIS	C-O	8.09	1.32	1.23
2	6F	42	HIS	C-O	8.09	1.32	1.23
1	6M	42	VAL	CA-CB	8.09	1.65	1.54
1	6U	42	VAL	CA-CB	8.09	1.65	1.54
2	6Z	42	HIS	C-O	8.09	1.32	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7E	42	VAL	CA-CB	8.09	1.65	1.54
2	7J	42	HIS	C-O	8.09	1.32	1.23
1	7Q	42	VAL	CA-CB	8.09	1.65	1.54
2	7V	42	HIS	C-O	8.09	1.32	1.23
1	1Q	42	VAL	CA-CB	8.09	1.65	1.54
1	1U	42	VAL	CA-CB	8.09	1.65	1.54
1	1Y	42	VAL	CA-CB	8.09	1.65	1.54
1	2Q	42	VAL	CA-CB	8.09	1.65	1.54
1	2U	42	VAL	CA-CB	8.09	1.65	1.54
1	2Y	42	VAL	CA-CB	8.09	1.65	1.54
1	42	42	VAL	CA-CB	8.09	1.65	1.54
1	46	42	VAL	CA-CB	8.09	1.65	1.54
1	5A	42	VAL	CA-CB	8.09	1.65	1.54
1	52	42	VAL	CA-CB	8.09	1.65	1.54
1	56	42	VAL	CA-CB	8.09	1.65	1.54
1	6A	42	VAL	CA-CB	8.09	1.65	1.54
1	12	168	GLN	C-N	-8.08	1.22	1.33
1	16	168	GLN	C-N	-8.08	1.22	1.33
1	2A	168	GLN	C-N	-8.08	1.22	1.33
1	3Q	168	GLN	C-N	-8.08	1.22	1.33
1	3U	168	GLN	C-N	-8.08	1.22	1.33
1	3Y	168	GLN	C-N	-8.08	1.22	1.33
1	5E	168	GLN	C-N	-8.08	1.22	1.33
1	5I	168	GLN	C-N	-8.08	1.22	1.33
1	5M	168	GLN	C-N	-8.08	1.22	1.33
1	62	168	GLN	C-N	-8.08	1.22	1.33
1	66	168	GLN	C-N	-8.08	1.22	1.33
1	7A	168	GLN	C-N	-8.08	1.22	1.33
1	1E	168	GLN	C-N	-8.08	1.22	1.33
1	1Q	168	GLN	C-N	-8.08	1.22	1.33
1	1U	168	GLN	C-N	-8.08	1.22	1.33
1	1Y	168	GLN	C-N	-8.08	1.22	1.33
1	2M	168	GLN	C-N	-8.08	1.22	1.33
1	2Q	168	GLN	C-N	-8.08	1.22	1.33
1	2U	168	GLN	C-N	-8.08	1.22	1.33
1	2Y	168	GLN	C-N	-8.08	1.22	1.33
1	22	168	GLN	C-N	-8.08	1.22	1.33
1	3M	168	GLN	C-N	-8.08	1.22	1.33
1	36	168	GLN	C-N	-8.08	1.22	1.33
1	4I	168	GLN	C-N	-8.08	1.22	1.33
1	4Q	168	GLN	C-N	-8.08	1.22	1.33
1	42	168	GLN	C-N	-8.08	1.22	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	46	168	GLN	C-N	-8.08	1.22	1.33
1	5A	168	GLN	C-N	-8.08	1.22	1.33
1	5Y	168	GLN	C-N	-8.08	1.22	1.33
1	52	168	GLN	C-N	-8.08	1.22	1.33
1	56	168	GLN	C-N	-8.08	1.22	1.33
1	6A	168	GLN	C-N	-8.08	1.22	1.33
1	6E	168	GLN	C-N	-8.08	1.22	1.33
1	6Y	168	GLN	C-N	-8.08	1.22	1.33
1	7I	168	GLN	C-N	-8.08	1.22	1.33
1	7U	168	GLN	C-N	-8.08	1.22	1.33
1	1A	168	GLN	C-N	-8.07	1.22	1.33
1	1I	168	GLN	C-N	-8.07	1.22	1.33
1	2E	168	GLN	C-N	-8.07	1.22	1.33
1	26	168	GLN	C-N	-8.07	1.22	1.33
1	3E	168	GLN	C-N	-8.07	1.22	1.33
1	4A	168	GLN	C-N	-8.07	1.22	1.33
1	4M	168	GLN	C-N	-8.07	1.22	1.33
1	4U	168	GLN	C-N	-8.07	1.22	1.33
1	5Q	168	GLN	C-N	-8.07	1.22	1.33
1	6I	168	GLN	C-N	-8.07	1.22	1.33
1	6Q	168	GLN	C-N	-8.07	1.22	1.33
1	7M	168	GLN	C-N	-8.07	1.22	1.33
1	12	148	LEU	CB-CG	8.05	1.69	1.53
1	16	148	LEU	CB-CG	8.05	1.69	1.53
1	2A	148	LEU	CB-CG	8.05	1.69	1.53
1	3Q	148	LEU	CB-CG	8.05	1.69	1.53
1	3U	148	LEU	CB-CG	8.05	1.69	1.53
1	3Y	148	LEU	CB-CG	8.05	1.69	1.53
1	5E	148	LEU	CB-CG	8.05	1.69	1.53
1	5I	148	LEU	CB-CG	8.05	1.69	1.53
1	5M	148	LEU	CB-CG	8.05	1.69	1.53
1	62	148	LEU	CB-CG	8.05	1.69	1.53
1	66	148	LEU	CB-CG	8.05	1.69	1.53
1	7A	148	LEU	CB-CG	8.05	1.69	1.53
1	1M	148	LEU	CB-CG	8.05	1.69	1.53
1	2I	148	LEU	CB-CG	8.05	1.69	1.53
1	3A	148	LEU	CB-CG	8.05	1.69	1.53
1	3I	148	LEU	CB-CG	8.05	1.69	1.53
1	32	148	LEU	CB-CG	8.05	1.69	1.53
1	4E	148	LEU	CB-CG	8.05	1.69	1.53
1	4Y	148	LEU	CB-CG	8.05	1.69	1.53
1	5U	148	LEU	CB-CG	8.05	1.69	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	148	LEU	CB-CG	8.05	1.69	1.53
1	6U	148	LEU	CB-CG	8.05	1.69	1.53
1	7E	148	LEU	CB-CG	8.05	1.69	1.53
1	7Q	148	LEU	CB-CG	8.05	1.69	1.53
2	1N	54	ASN	CA-CB	8.05	1.65	1.53
1	1Q	148	LEU	CB-CG	8.05	1.69	1.53
1	1U	148	LEU	CB-CG	8.05	1.69	1.53
1	1Y	148	LEU	CB-CG	8.05	1.69	1.53
2	2J	54	ASN	CA-CB	8.05	1.65	1.53
1	2Q	148	LEU	CB-CG	8.05	1.69	1.53
1	2U	148	LEU	CB-CG	8.05	1.69	1.53
1	2Y	148	LEU	CB-CG	8.05	1.69	1.53
2	3B	54	ASN	CA-CB	8.05	1.65	1.53
2	3J	54	ASN	CA-CB	8.05	1.65	1.53
2	33	54	ASN	CA-CB	8.05	1.65	1.53
2	4F	54	ASN	CA-CB	8.05	1.65	1.53
2	4Z	54	ASN	CA-CB	8.05	1.65	1.53
1	42	148	LEU	CB-CG	8.05	1.69	1.53
1	46	148	LEU	CB-CG	8.05	1.69	1.53
1	5A	148	LEU	CB-CG	8.05	1.69	1.53
2	5V	54	ASN	CA-CB	8.05	1.65	1.53
1	52	148	LEU	CB-CG	8.05	1.69	1.53
1	56	148	LEU	CB-CG	8.05	1.69	1.53
1	6A	148	LEU	CB-CG	8.05	1.69	1.53
2	6N	54	ASN	CA-CB	8.05	1.65	1.53
2	6V	54	ASN	CA-CB	8.05	1.65	1.53
2	7F	54	ASN	CA-CB	8.05	1.65	1.53
2	7R	54	ASN	CA-CB	8.05	1.65	1.53
1	1A	148	LEU	CB-CG	8.04	1.69	1.53
1	1I	148	LEU	CB-CG	8.04	1.69	1.53
1	2E	148	LEU	CB-CG	8.04	1.69	1.53
1	26	148	LEU	CB-CG	8.04	1.69	1.53
1	3E	148	LEU	CB-CG	8.04	1.69	1.53
1	4A	148	LEU	CB-CG	8.04	1.69	1.53
1	4M	148	LEU	CB-CG	8.04	1.69	1.53
1	4U	148	LEU	CB-CG	8.04	1.69	1.53
1	5Q	148	LEU	CB-CG	8.04	1.69	1.53
1	6I	148	LEU	CB-CG	8.04	1.69	1.53
1	6Q	148	LEU	CB-CG	8.04	1.69	1.53
1	7M	148	LEU	CB-CG	8.04	1.69	1.53
1	1E	148	LEU	CB-CG	8.04	1.69	1.53
1	2M	148	LEU	CB-CG	8.04	1.69	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	148	LEU	CB-CG	8.04	1.69	1.53
1	3M	148	LEU	CB-CG	8.04	1.69	1.53
1	36	148	LEU	CB-CG	8.04	1.69	1.53
1	4I	148	LEU	CB-CG	8.04	1.69	1.53
1	4Q	148	LEU	CB-CG	8.04	1.69	1.53
1	5Y	148	LEU	CB-CG	8.04	1.69	1.53
1	6E	148	LEU	CB-CG	8.04	1.69	1.53
1	6Y	148	LEU	CB-CG	8.04	1.69	1.53
1	7I	148	LEU	CB-CG	8.04	1.69	1.53
1	7U	148	LEU	CB-CG	8.04	1.69	1.53
1	12	12	MET	CA-C	8.00	1.62	1.52
1	16	12	MET	CA-C	8.00	1.62	1.52
1	2A	12	MET	CA-C	8.00	1.62	1.52
1	3Q	12	MET	CA-C	8.00	1.62	1.52
1	3U	12	MET	CA-C	8.00	1.62	1.52
1	3Y	12	MET	CA-C	8.00	1.62	1.52
1	5E	12	MET	CA-C	8.00	1.62	1.52
1	5I	12	MET	CA-C	8.00	1.62	1.52
1	5M	12	MET	CA-C	8.00	1.62	1.52
1	62	12	MET	CA-C	8.00	1.62	1.52
1	66	12	MET	CA-C	8.00	1.62	1.52
1	7A	12	MET	CA-C	8.00	1.62	1.52
2	1B	58	LEU	CA-C	-7.99	1.42	1.52
2	1J	58	LEU	CA-C	-7.99	1.42	1.52
2	2F	58	LEU	CA-C	-7.99	1.42	1.52
2	27	58	LEU	CA-C	-7.99	1.42	1.52
2	3F	58	LEU	CA-C	-7.99	1.42	1.52
2	4B	58	LEU	CA-C	-7.99	1.42	1.52
2	4N	58	LEU	CA-C	-7.99	1.42	1.52
2	4V	58	LEU	CA-C	-7.99	1.42	1.52
2	5R	58	LEU	CA-C	-7.99	1.42	1.52
2	6J	58	LEU	CA-C	-7.99	1.42	1.52
2	6R	58	LEU	CA-C	-7.99	1.42	1.52
2	7N	58	LEU	CA-C	-7.99	1.42	1.52
2	13	44	MET	N-CA	7.98	1.56	1.46
2	13	58	LEU	CA-C	-7.98	1.42	1.52
2	17	44	MET	N-CA	7.98	1.56	1.46
2	17	58	LEU	CA-C	-7.98	1.42	1.52
2	2B	44	MET	N-CA	7.98	1.56	1.46
2	2B	58	LEU	CA-C	-7.98	1.42	1.52
2	3R	44	MET	N-CA	7.98	1.56	1.46
2	3R	58	LEU	CA-C	-7.98	1.42	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3V	44	MET	N-CA	7.98	1.56	1.46
2	3V	58	LEU	CA-C	-7.98	1.42	1.52
2	3Z	44	MET	N-CA	7.98	1.56	1.46
2	3Z	58	LEU	CA-C	-7.98	1.42	1.52
2	5F	44	MET	N-CA	7.98	1.56	1.46
2	5F	58	LEU	CA-C	-7.98	1.42	1.52
2	5J	44	MET	N-CA	7.98	1.56	1.46
2	5J	58	LEU	CA-C	-7.98	1.42	1.52
2	5N	44	MET	N-CA	7.98	1.56	1.46
2	5N	58	LEU	CA-C	-7.98	1.42	1.52
2	63	44	MET	N-CA	7.98	1.56	1.46
2	63	58	LEU	CA-C	-7.98	1.42	1.52
2	67	44	MET	N-CA	7.98	1.56	1.46
2	67	58	LEU	CA-C	-7.98	1.42	1.52
2	7B	44	MET	N-CA	7.98	1.56	1.46
2	7B	58	LEU	CA-C	-7.98	1.42	1.52
2	1N	44	MET	N-CA	7.98	1.56	1.46
2	2J	44	MET	N-CA	7.98	1.56	1.46
2	3B	44	MET	N-CA	7.98	1.56	1.46
2	3J	44	MET	N-CA	7.98	1.56	1.46
2	33	44	MET	N-CA	7.98	1.56	1.46
2	4F	44	MET	N-CA	7.98	1.56	1.46
2	4Z	44	MET	N-CA	7.98	1.56	1.46
2	5V	44	MET	N-CA	7.98	1.56	1.46
2	6N	44	MET	N-CA	7.98	1.56	1.46
2	6V	44	MET	N-CA	7.98	1.56	1.46
2	7F	44	MET	N-CA	7.98	1.56	1.46
2	7R	44	MET	N-CA	7.98	1.56	1.46
2	1R	58	LEU	CA-C	-7.97	1.42	1.52
2	1V	58	LEU	CA-C	-7.97	1.42	1.52
2	1Z	58	LEU	CA-C	-7.97	1.42	1.52
2	2R	58	LEU	CA-C	-7.97	1.42	1.52
2	2V	58	LEU	CA-C	-7.97	1.42	1.52
2	2Z	58	LEU	CA-C	-7.97	1.42	1.52
2	43	58	LEU	CA-C	-7.97	1.42	1.52
2	47	58	LEU	CA-C	-7.97	1.42	1.52
2	5B	58	LEU	CA-C	-7.97	1.42	1.52
2	53	58	LEU	CA-C	-7.97	1.42	1.52
2	57	58	LEU	CA-C	-7.97	1.42	1.52
2	6B	58	LEU	CA-C	-7.97	1.42	1.52
1	1E	12	MET	CA-C	7.97	1.62	1.52
1	2M	12	MET	CA-C	7.97	1.62	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	12	MET	CA-C	7.97	1.62	1.52
1	3M	12	MET	CA-C	7.97	1.62	1.52
1	36	12	MET	CA-C	7.97	1.62	1.52
1	4I	12	MET	CA-C	7.97	1.62	1.52
1	4Q	12	MET	CA-C	7.97	1.62	1.52
1	5Y	12	MET	CA-C	7.97	1.62	1.52
1	6E	12	MET	CA-C	7.97	1.62	1.52
1	6Y	12	MET	CA-C	7.97	1.62	1.52
1	7I	12	MET	CA-C	7.97	1.62	1.52
1	7U	12	MET	CA-C	7.97	1.62	1.52
2	1F	58	LEU	CA-C	-7.96	1.42	1.52
2	2N	58	LEU	CA-C	-7.96	1.42	1.52
2	23	58	LEU	CA-C	-7.96	1.42	1.52
2	3N	58	LEU	CA-C	-7.96	1.42	1.52
2	37	58	LEU	CA-C	-7.96	1.42	1.52
2	4J	58	LEU	CA-C	-7.96	1.42	1.52
2	4R	58	LEU	CA-C	-7.96	1.42	1.52
2	5Z	58	LEU	CA-C	-7.96	1.42	1.52
2	6F	58	LEU	CA-C	-7.96	1.42	1.52
2	6Z	58	LEU	CA-C	-7.96	1.42	1.52
2	7J	58	LEU	CA-C	-7.96	1.42	1.52
2	7V	58	LEU	CA-C	-7.96	1.42	1.52
2	1R	81	LEU	N-CA	7.95	1.57	1.46
2	1V	81	LEU	N-CA	7.95	1.57	1.46
2	1Z	81	LEU	N-CA	7.95	1.57	1.46
2	2R	81	LEU	N-CA	7.95	1.57	1.46
2	2V	81	LEU	N-CA	7.95	1.57	1.46
2	2Z	81	LEU	N-CA	7.95	1.57	1.46
2	43	81	LEU	N-CA	7.95	1.57	1.46
2	47	81	LEU	N-CA	7.95	1.57	1.46
2	5B	81	LEU	N-CA	7.95	1.57	1.46
2	53	81	LEU	N-CA	7.95	1.57	1.46
2	57	81	LEU	N-CA	7.95	1.57	1.46
2	6B	81	LEU	N-CA	7.95	1.57	1.46
2	1B	44	MET	N-CA	7.94	1.56	1.46
2	1J	44	MET	N-CA	7.94	1.56	1.46
2	2F	44	MET	N-CA	7.94	1.56	1.46
2	27	44	MET	N-CA	7.94	1.56	1.46
2	3F	44	MET	N-CA	7.94	1.56	1.46
2	4B	44	MET	N-CA	7.94	1.56	1.46
2	4N	44	MET	N-CA	7.94	1.56	1.46
2	4V	44	MET	N-CA	7.94	1.56	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	44	MET	N-CA	7.94	1.56	1.46
2	6J	44	MET	N-CA	7.94	1.56	1.46
2	6R	44	MET	N-CA	7.94	1.56	1.46
2	7N	44	MET	N-CA	7.94	1.56	1.46
2	1F	44	MET	N-CA	7.94	1.56	1.46
2	1R	44	MET	N-CA	7.94	1.56	1.46
2	1V	44	MET	N-CA	7.94	1.56	1.46
2	1Z	44	MET	N-CA	7.94	1.56	1.46
2	2N	44	MET	N-CA	7.94	1.56	1.46
2	2R	44	MET	N-CA	7.94	1.56	1.46
2	2V	44	MET	N-CA	7.94	1.56	1.46
2	2Z	44	MET	N-CA	7.94	1.56	1.46
2	23	44	MET	N-CA	7.94	1.56	1.46
2	3N	44	MET	N-CA	7.94	1.56	1.46
2	37	44	MET	N-CA	7.94	1.56	1.46
2	4J	44	MET	N-CA	7.94	1.56	1.46
2	4R	44	MET	N-CA	7.94	1.56	1.46
2	43	44	MET	N-CA	7.94	1.56	1.46
2	47	44	MET	N-CA	7.94	1.56	1.46
2	5B	44	MET	N-CA	7.94	1.56	1.46
2	5Z	44	MET	N-CA	7.94	1.56	1.46
2	53	44	MET	N-CA	7.94	1.56	1.46
2	57	44	MET	N-CA	7.94	1.56	1.46
2	6B	44	MET	N-CA	7.94	1.56	1.46
2	6F	44	MET	N-CA	7.94	1.56	1.46
2	6Z	44	MET	N-CA	7.94	1.56	1.46
2	7J	44	MET	N-CA	7.94	1.56	1.46
2	7V	44	MET	N-CA	7.94	1.56	1.46
1	1M	12	MET	CA-C	7.93	1.62	1.52
1	2I	12	MET	CA-C	7.93	1.62	1.52
1	3A	12	MET	CA-C	7.93	1.62	1.52
1	3I	12	MET	CA-C	7.93	1.62	1.52
1	32	12	MET	CA-C	7.93	1.62	1.52
1	4E	12	MET	CA-C	7.93	1.62	1.52
1	4Y	12	MET	CA-C	7.93	1.62	1.52
1	5U	12	MET	CA-C	7.93	1.62	1.52
1	6M	12	MET	CA-C	7.93	1.62	1.52
1	6U	12	MET	CA-C	7.93	1.62	1.52
1	7E	12	MET	CA-C	7.93	1.62	1.52
1	7Q	12	MET	CA-C	7.93	1.62	1.52
1	1A	12	MET	CA-C	7.93	1.62	1.52
1	1I	12	MET	CA-C	7.93	1.62	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	12	MET	CA-C	7.93	1.62	1.52
1	26	12	MET	CA-C	7.93	1.62	1.52
1	3E	12	MET	CA-C	7.93	1.62	1.52
1	4A	12	MET	CA-C	7.93	1.62	1.52
1	4M	12	MET	CA-C	7.93	1.62	1.52
1	4U	12	MET	CA-C	7.93	1.62	1.52
1	5Q	12	MET	CA-C	7.93	1.62	1.52
1	6I	12	MET	CA-C	7.93	1.62	1.52
1	6Q	12	MET	CA-C	7.93	1.62	1.52
1	7M	12	MET	CA-C	7.93	1.62	1.52
2	1N	58	LEU	CA-C	-7.93	1.42	1.52
2	2J	58	LEU	CA-C	-7.93	1.42	1.52
2	3B	58	LEU	CA-C	-7.93	1.42	1.52
2	3J	58	LEU	CA-C	-7.93	1.42	1.52
2	33	58	LEU	CA-C	-7.93	1.42	1.52
2	4F	58	LEU	CA-C	-7.93	1.42	1.52
2	4Z	58	LEU	CA-C	-7.93	1.42	1.52
2	5V	58	LEU	CA-C	-7.93	1.42	1.52
2	6N	58	LEU	CA-C	-7.93	1.42	1.52
2	6V	58	LEU	CA-C	-7.93	1.42	1.52
2	7F	58	LEU	CA-C	-7.93	1.42	1.52
2	7R	58	LEU	CA-C	-7.93	1.42	1.52
1	1Q	12	MET	CA-C	7.92	1.62	1.52
1	1Q	27	LYS	C-O	-7.92	1.14	1.24
1	1U	12	MET	CA-C	7.92	1.62	1.52
1	1U	27	LYS	C-O	-7.92	1.14	1.24
1	1Y	12	MET	CA-C	7.92	1.62	1.52
1	1Y	27	LYS	C-O	-7.92	1.14	1.24
1	2Q	12	MET	CA-C	7.92	1.62	1.52
1	2Q	27	LYS	C-O	-7.92	1.14	1.24
1	2U	12	MET	CA-C	7.92	1.62	1.52
1	2U	27	LYS	C-O	-7.92	1.14	1.24
1	2Y	12	MET	CA-C	7.92	1.62	1.52
1	2Y	27	LYS	C-O	-7.92	1.14	1.24
1	42	12	MET	CA-C	7.92	1.62	1.52
1	42	27	LYS	C-O	-7.92	1.14	1.24
1	46	12	MET	CA-C	7.92	1.62	1.52
1	46	27	LYS	C-O	-7.92	1.14	1.24
1	5A	12	MET	CA-C	7.92	1.62	1.52
1	5A	27	LYS	C-O	-7.92	1.14	1.24
1	52	12	MET	CA-C	7.92	1.62	1.52
1	52	27	LYS	C-O	-7.92	1.14	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	56	12	MET	CA-C	7.92	1.62	1.52
1	56	27	LYS	C-O	-7.92	1.14	1.24
1	6A	12	MET	CA-C	7.92	1.62	1.52
1	6A	27	LYS	C-O	-7.92	1.14	1.24
1	1M	49	LEU	CA-C	7.92	1.62	1.52
2	1R	39	ASP	CG-OD2	7.92	1.40	1.25
2	1V	39	ASP	CG-OD2	7.92	1.40	1.25
2	1Z	39	ASP	CG-OD2	7.92	1.40	1.25
1	2I	49	LEU	CA-C	7.92	1.62	1.52
2	2R	39	ASP	CG-OD2	7.92	1.40	1.25
2	2V	39	ASP	CG-OD2	7.92	1.40	1.25
2	2Z	39	ASP	CG-OD2	7.92	1.40	1.25
1	3A	49	LEU	CA-C	7.92	1.62	1.52
1	3I	49	LEU	CA-C	7.92	1.62	1.52
1	32	49	LEU	CA-C	7.92	1.62	1.52
1	4E	49	LEU	CA-C	7.92	1.62	1.52
1	4Y	49	LEU	CA-C	7.92	1.62	1.52
2	43	39	ASP	CG-OD2	7.92	1.40	1.25
2	47	39	ASP	CG-OD2	7.92	1.40	1.25
2	5B	39	ASP	CG-OD2	7.92	1.40	1.25
1	5U	49	LEU	CA-C	7.92	1.62	1.52
2	53	39	ASP	CG-OD2	7.92	1.40	1.25
2	57	39	ASP	CG-OD2	7.92	1.40	1.25
2	6B	39	ASP	CG-OD2	7.92	1.40	1.25
1	6M	49	LEU	CA-C	7.92	1.62	1.52
1	6U	49	LEU	CA-C	7.92	1.62	1.52
1	7E	49	LEU	CA-C	7.92	1.62	1.52
1	7Q	49	LEU	CA-C	7.92	1.62	1.52
1	12	27	LYS	CA-CB	7.92	1.66	1.53
1	16	27	LYS	CA-CB	7.92	1.66	1.53
1	2A	27	LYS	CA-CB	7.92	1.66	1.53
1	3Q	27	LYS	CA-CB	7.92	1.66	1.53
1	3U	27	LYS	CA-CB	7.92	1.66	1.53
1	3Y	27	LYS	CA-CB	7.92	1.66	1.53
1	5E	27	LYS	CA-CB	7.92	1.66	1.53
1	5I	27	LYS	CA-CB	7.92	1.66	1.53
1	5M	27	LYS	CA-CB	7.92	1.66	1.53
1	62	27	LYS	CA-CB	7.92	1.66	1.53
1	66	27	LYS	CA-CB	7.92	1.66	1.53
1	7A	27	LYS	CA-CB	7.92	1.66	1.53
2	13	81	LEU	N-CA	7.92	1.57	1.46
2	17	81	LEU	N-CA	7.92	1.57	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	81	LEU	N-CA	7.92	1.57	1.46
2	3R	81	LEU	N-CA	7.92	1.57	1.46
2	3V	81	LEU	N-CA	7.92	1.57	1.46
2	3Z	81	LEU	N-CA	7.92	1.57	1.46
2	5F	81	LEU	N-CA	7.92	1.57	1.46
2	5J	81	LEU	N-CA	7.92	1.57	1.46
2	5N	81	LEU	N-CA	7.92	1.57	1.46
2	63	81	LEU	N-CA	7.92	1.57	1.46
2	67	81	LEU	N-CA	7.92	1.57	1.46
2	7B	81	LEU	N-CA	7.92	1.57	1.46
1	1M	84	ARG	NE-CZ	-7.92	1.24	1.33
1	2I	84	ARG	NE-CZ	-7.92	1.24	1.33
1	3A	84	ARG	NE-CZ	-7.92	1.24	1.33
1	3I	84	ARG	NE-CZ	-7.92	1.24	1.33
1	32	84	ARG	NE-CZ	-7.92	1.24	1.33
1	4E	84	ARG	NE-CZ	-7.92	1.24	1.33
1	4Y	84	ARG	NE-CZ	-7.92	1.24	1.33
1	5U	84	ARG	NE-CZ	-7.92	1.24	1.33
1	6M	84	ARG	NE-CZ	-7.92	1.24	1.33
1	6U	84	ARG	NE-CZ	-7.92	1.24	1.33
1	7E	84	ARG	NE-CZ	-7.92	1.24	1.33
1	7Q	84	ARG	NE-CZ	-7.92	1.24	1.33
1	1A	27	LYS	CA-CB	7.91	1.66	1.53
1	1E	27	LYS	C-O	-7.91	1.14	1.24
1	1I	27	LYS	CA-CB	7.91	1.66	1.53
1	1Q	27	LYS	CA-CB	7.91	1.66	1.53
1	1U	27	LYS	CA-CB	7.91	1.66	1.53
1	1Y	27	LYS	CA-CB	7.91	1.66	1.53
1	2E	27	LYS	CA-CB	7.91	1.66	1.53
1	2M	27	LYS	C-O	-7.91	1.14	1.24
1	2Q	27	LYS	CA-CB	7.91	1.66	1.53
1	2U	27	LYS	CA-CB	7.91	1.66	1.53
1	2Y	27	LYS	CA-CB	7.91	1.66	1.53
1	22	27	LYS	C-O	-7.91	1.14	1.24
1	26	27	LYS	CA-CB	7.91	1.66	1.53
1	3E	27	LYS	CA-CB	7.91	1.66	1.53
1	3M	27	LYS	C-O	-7.91	1.14	1.24
1	36	27	LYS	C-O	-7.91	1.14	1.24
1	4A	27	LYS	CA-CB	7.91	1.66	1.53
1	4I	27	LYS	C-O	-7.91	1.14	1.24
1	4M	27	LYS	CA-CB	7.91	1.66	1.53
1	4Q	27	LYS	C-O	-7.91	1.14	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4U	27	LYS	CA-CB	7.91	1.66	1.53
1	42	27	LYS	CA-CB	7.91	1.66	1.53
1	46	27	LYS	CA-CB	7.91	1.66	1.53
1	5A	27	LYS	CA-CB	7.91	1.66	1.53
1	5Q	27	LYS	CA-CB	7.91	1.66	1.53
1	5Y	27	LYS	C-O	-7.91	1.14	1.24
1	52	27	LYS	CA-CB	7.91	1.66	1.53
1	56	27	LYS	CA-CB	7.91	1.66	1.53
1	6A	27	LYS	CA-CB	7.91	1.66	1.53
1	6E	27	LYS	C-O	-7.91	1.14	1.24
1	6I	27	LYS	CA-CB	7.91	1.66	1.53
1	6Q	27	LYS	CA-CB	7.91	1.66	1.53
1	6Y	27	LYS	C-O	-7.91	1.14	1.24
1	7I	27	LYS	C-O	-7.91	1.14	1.24
1	7M	27	LYS	CA-CB	7.91	1.66	1.53
1	7U	27	LYS	C-O	-7.91	1.14	1.24
2	1N	39	ASP	CG-OD2	7.91	1.40	1.25
2	2J	39	ASP	CG-OD2	7.91	1.40	1.25
2	3B	39	ASP	CG-OD2	7.91	1.40	1.25
2	3J	39	ASP	CG-OD2	7.91	1.40	1.25
2	33	39	ASP	CG-OD2	7.91	1.40	1.25
2	4F	39	ASP	CG-OD2	7.91	1.40	1.25
2	4Z	39	ASP	CG-OD2	7.91	1.40	1.25
2	5V	39	ASP	CG-OD2	7.91	1.40	1.25
2	6N	39	ASP	CG-OD2	7.91	1.40	1.25
2	6V	39	ASP	CG-OD2	7.91	1.40	1.25
2	7F	39	ASP	CG-OD2	7.91	1.40	1.25
2	7R	39	ASP	CG-OD2	7.91	1.40	1.25
1	1M	27	LYS	C-O	-7.90	1.14	1.24
1	2I	27	LYS	C-O	-7.90	1.14	1.24
1	3A	27	LYS	C-O	-7.90	1.14	1.24
1	3I	27	LYS	C-O	-7.90	1.14	1.24
1	32	27	LYS	C-O	-7.90	1.14	1.24
1	4E	27	LYS	C-O	-7.90	1.14	1.24
1	4Y	27	LYS	C-O	-7.90	1.14	1.24
1	5U	27	LYS	C-O	-7.90	1.14	1.24
1	6M	27	LYS	C-O	-7.90	1.14	1.24
1	6U	27	LYS	C-O	-7.90	1.14	1.24
1	7E	27	LYS	C-O	-7.90	1.14	1.24
1	7Q	27	LYS	C-O	-7.90	1.14	1.24
1	12	27	LYS	C-O	-7.90	1.14	1.24
1	16	27	LYS	C-O	-7.90	1.14	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	27	LYS	C-O	-7.90	1.14	1.24
1	3Q	27	LYS	C-O	-7.90	1.14	1.24
1	3U	27	LYS	C-O	-7.90	1.14	1.24
1	3Y	27	LYS	C-O	-7.90	1.14	1.24
1	5E	27	LYS	C-O	-7.90	1.14	1.24
1	5I	27	LYS	C-O	-7.90	1.14	1.24
1	5M	27	LYS	C-O	-7.90	1.14	1.24
1	62	27	LYS	C-O	-7.90	1.14	1.24
1	66	27	LYS	C-O	-7.90	1.14	1.24
1	7A	27	LYS	C-O	-7.90	1.14	1.24
2	1B	16	ASN	CA-C	-7.90	1.36	1.52
2	1J	16	ASN	CA-C	-7.90	1.36	1.52
2	1R	16	ASN	CA-C	-7.90	1.36	1.52
2	1V	16	ASN	CA-C	-7.90	1.36	1.52
2	1Z	16	ASN	CA-C	-7.90	1.36	1.52
2	2F	16	ASN	CA-C	-7.90	1.36	1.52
2	2R	16	ASN	CA-C	-7.90	1.36	1.52
2	2V	16	ASN	CA-C	-7.90	1.36	1.52
2	2Z	16	ASN	CA-C	-7.90	1.36	1.52
2	27	16	ASN	CA-C	-7.90	1.36	1.52
2	3F	16	ASN	CA-C	-7.90	1.36	1.52
2	4B	16	ASN	CA-C	-7.90	1.36	1.52
2	4N	16	ASN	CA-C	-7.90	1.36	1.52
2	4V	16	ASN	CA-C	-7.90	1.36	1.52
2	43	16	ASN	CA-C	-7.90	1.36	1.52
2	47	16	ASN	CA-C	-7.90	1.36	1.52
2	5B	16	ASN	CA-C	-7.90	1.36	1.52
2	5R	16	ASN	CA-C	-7.90	1.36	1.52
2	53	16	ASN	CA-C	-7.90	1.36	1.52
2	57	16	ASN	CA-C	-7.90	1.36	1.52
2	6B	16	ASN	CA-C	-7.90	1.36	1.52
2	6J	16	ASN	CA-C	-7.90	1.36	1.52
2	6R	16	ASN	CA-C	-7.90	1.36	1.52
2	7N	16	ASN	CA-C	-7.90	1.36	1.52
2	13	16	ASN	CA-C	-7.90	1.36	1.52
2	17	16	ASN	CA-C	-7.90	1.36	1.52
2	2B	16	ASN	CA-C	-7.90	1.36	1.52
2	3R	16	ASN	CA-C	-7.90	1.36	1.52
2	3V	16	ASN	CA-C	-7.90	1.36	1.52
2	3Z	16	ASN	CA-C	-7.90	1.36	1.52
2	5F	16	ASN	CA-C	-7.90	1.36	1.52
2	5J	16	ASN	CA-C	-7.90	1.36	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	16	ASN	CA-C	-7.90	1.36	1.52
2	63	16	ASN	CA-C	-7.90	1.36	1.52
2	67	16	ASN	CA-C	-7.90	1.36	1.52
2	7B	16	ASN	CA-C	-7.90	1.36	1.52
1	1E	27	LYS	CA-CB	7.89	1.66	1.53
2	1F	81	LEU	N-CA	7.89	1.57	1.46
1	2M	27	LYS	CA-CB	7.89	1.66	1.53
2	2N	81	LEU	N-CA	7.89	1.57	1.46
1	22	27	LYS	CA-CB	7.89	1.66	1.53
2	23	81	LEU	N-CA	7.89	1.57	1.46
1	3M	27	LYS	CA-CB	7.89	1.66	1.53
2	3N	81	LEU	N-CA	7.89	1.57	1.46
1	36	27	LYS	CA-CB	7.89	1.66	1.53
2	37	81	LEU	N-CA	7.89	1.57	1.46
1	4I	27	LYS	CA-CB	7.89	1.66	1.53
2	4J	81	LEU	N-CA	7.89	1.57	1.46
1	4Q	27	LYS	CA-CB	7.89	1.66	1.53
2	4R	81	LEU	N-CA	7.89	1.57	1.46
1	5Y	27	LYS	CA-CB	7.89	1.66	1.53
2	5Z	81	LEU	N-CA	7.89	1.57	1.46
1	6E	27	LYS	CA-CB	7.89	1.66	1.53
2	6F	81	LEU	N-CA	7.89	1.57	1.46
1	6Y	27	LYS	CA-CB	7.89	1.66	1.53
2	6Z	81	LEU	N-CA	7.89	1.57	1.46
1	7I	27	LYS	CA-CB	7.89	1.66	1.53
2	7J	81	LEU	N-CA	7.89	1.57	1.46
1	7U	27	LYS	CA-CB	7.89	1.66	1.53
2	7V	81	LEU	N-CA	7.89	1.57	1.46
2	1B	81	LEU	N-CA	7.89	1.57	1.46
2	1F	16	ASN	CA-C	-7.89	1.36	1.52
2	1J	81	LEU	N-CA	7.89	1.57	1.46
2	1N	81	LEU	N-CA	7.89	1.57	1.46
2	2F	81	LEU	N-CA	7.89	1.57	1.46
2	2J	81	LEU	N-CA	7.89	1.57	1.46
2	2N	16	ASN	CA-C	-7.89	1.36	1.52
2	23	16	ASN	CA-C	-7.89	1.36	1.52
2	27	81	LEU	N-CA	7.89	1.57	1.46
2	3B	81	LEU	N-CA	7.89	1.57	1.46
2	3F	81	LEU	N-CA	7.89	1.57	1.46
2	3J	81	LEU	N-CA	7.89	1.57	1.46
2	3N	16	ASN	CA-C	-7.89	1.36	1.52
2	33	81	LEU	N-CA	7.89	1.57	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	37	16	ASN	CA-C	-7.89	1.36	1.52
2	4B	81	LEU	N-CA	7.89	1.57	1.46
2	4F	81	LEU	N-CA	7.89	1.57	1.46
2	4J	16	ASN	CA-C	-7.89	1.36	1.52
2	4N	81	LEU	N-CA	7.89	1.57	1.46
2	4R	16	ASN	CA-C	-7.89	1.36	1.52
2	4V	81	LEU	N-CA	7.89	1.57	1.46
2	4Z	81	LEU	N-CA	7.89	1.57	1.46
2	5R	81	LEU	N-CA	7.89	1.57	1.46
2	5V	81	LEU	N-CA	7.89	1.57	1.46
2	5Z	16	ASN	CA-C	-7.89	1.36	1.52
2	6F	16	ASN	CA-C	-7.89	1.36	1.52
2	6J	81	LEU	N-CA	7.89	1.57	1.46
2	6N	81	LEU	N-CA	7.89	1.57	1.46
2	6R	81	LEU	N-CA	7.89	1.57	1.46
2	6V	81	LEU	N-CA	7.89	1.57	1.46
2	6Z	16	ASN	CA-C	-7.89	1.36	1.52
2	7F	81	LEU	N-CA	7.89	1.57	1.46
2	7J	16	ASN	CA-C	-7.89	1.36	1.52
2	7N	81	LEU	N-CA	7.89	1.57	1.46
2	7R	81	LEU	N-CA	7.89	1.57	1.46
2	7V	16	ASN	CA-C	-7.89	1.36	1.52
1	1A	49	LEU	CA-C	7.89	1.62	1.52
2	1B	39	ASP	CG-OD2	7.89	1.40	1.25
1	1I	49	LEU	CA-C	7.89	1.62	1.52
2	1J	39	ASP	CG-OD2	7.89	1.40	1.25
2	1N	16	ASN	CA-C	-7.89	1.36	1.52
1	2E	49	LEU	CA-C	7.89	1.62	1.52
2	2F	39	ASP	CG-OD2	7.89	1.40	1.25
2	2J	16	ASN	CA-C	-7.89	1.36	1.52
1	26	49	LEU	CA-C	7.89	1.62	1.52
2	27	39	ASP	CG-OD2	7.89	1.40	1.25
2	3B	16	ASN	CA-C	-7.89	1.36	1.52
1	3E	49	LEU	CA-C	7.89	1.62	1.52
2	3F	39	ASP	CG-OD2	7.89	1.40	1.25
2	3J	16	ASN	CA-C	-7.89	1.36	1.52
2	33	16	ASN	CA-C	-7.89	1.36	1.52
1	4A	49	LEU	CA-C	7.89	1.62	1.52
2	4B	39	ASP	CG-OD2	7.89	1.40	1.25
2	4F	16	ASN	CA-C	-7.89	1.36	1.52
1	4M	49	LEU	CA-C	7.89	1.62	1.52
2	4N	39	ASP	CG-OD2	7.89	1.40	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4U	49	LEU	CA-C	7.89	1.62	1.52
2	4V	39	ASP	CG-OD2	7.89	1.40	1.25
2	4Z	16	ASN	CA-C	-7.89	1.36	1.52
1	5Q	49	LEU	CA-C	7.89	1.62	1.52
2	5R	39	ASP	CG-OD2	7.89	1.40	1.25
2	5V	16	ASN	CA-C	-7.89	1.36	1.52
1	6I	49	LEU	CA-C	7.89	1.62	1.52
2	6J	39	ASP	CG-OD2	7.89	1.40	1.25
2	6N	16	ASN	CA-C	-7.89	1.36	1.52
1	6Q	49	LEU	CA-C	7.89	1.62	1.52
2	6R	39	ASP	CG-OD2	7.89	1.40	1.25
2	6V	16	ASN	CA-C	-7.89	1.36	1.52
2	7F	16	ASN	CA-C	-7.89	1.36	1.52
1	7M	49	LEU	CA-C	7.89	1.62	1.52
2	7N	39	ASP	CG-OD2	7.89	1.40	1.25
2	7R	16	ASN	CA-C	-7.89	1.36	1.52
1	1A	84	ARG	NE-CZ	-7.89	1.24	1.33
1	1I	84	ARG	NE-CZ	-7.89	1.24	1.33
1	1Q	49	LEU	CA-C	7.89	1.62	1.52
1	1U	49	LEU	CA-C	7.89	1.62	1.52
1	1Y	49	LEU	CA-C	7.89	1.62	1.52
1	2E	84	ARG	NE-CZ	-7.89	1.24	1.33
1	2Q	49	LEU	CA-C	7.89	1.62	1.52
1	2U	49	LEU	CA-C	7.89	1.62	1.52
1	2Y	49	LEU	CA-C	7.89	1.62	1.52
1	26	84	ARG	NE-CZ	-7.89	1.24	1.33
1	3E	84	ARG	NE-CZ	-7.89	1.24	1.33
1	4A	84	ARG	NE-CZ	-7.89	1.24	1.33
1	4M	84	ARG	NE-CZ	-7.89	1.24	1.33
1	4U	84	ARG	NE-CZ	-7.89	1.24	1.33
1	42	49	LEU	CA-C	7.89	1.62	1.52
1	46	49	LEU	CA-C	7.89	1.62	1.52
1	5A	49	LEU	CA-C	7.89	1.62	1.52
1	5Q	84	ARG	NE-CZ	-7.89	1.24	1.33
1	52	49	LEU	CA-C	7.89	1.62	1.52
1	56	49	LEU	CA-C	7.89	1.62	1.52
1	6A	49	LEU	CA-C	7.89	1.62	1.52
1	6I	84	ARG	NE-CZ	-7.89	1.24	1.33
1	6Q	84	ARG	NE-CZ	-7.89	1.24	1.33
1	7M	84	ARG	NE-CZ	-7.89	1.24	1.33
1	12	84	ARG	NE-CZ	-7.89	1.24	1.33
1	16	84	ARG	NE-CZ	-7.89	1.24	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	84	ARG	NE-CZ	-7.89	1.24	1.33
1	3Q	84	ARG	NE-CZ	-7.89	1.24	1.33
1	3U	84	ARG	NE-CZ	-7.89	1.24	1.33
1	3Y	84	ARG	NE-CZ	-7.89	1.24	1.33
1	5E	84	ARG	NE-CZ	-7.89	1.24	1.33
1	5I	84	ARG	NE-CZ	-7.89	1.24	1.33
1	5M	84	ARG	NE-CZ	-7.89	1.24	1.33
1	62	84	ARG	NE-CZ	-7.89	1.24	1.33
1	66	84	ARG	NE-CZ	-7.89	1.24	1.33
1	7A	84	ARG	NE-CZ	-7.89	1.24	1.33
1	1E	150	TYR	CE1-CZ	7.88	1.57	1.38
1	1M	150	TYR	CE1-CZ	7.88	1.57	1.38
1	2I	150	TYR	CE1-CZ	7.88	1.57	1.38
1	2M	150	TYR	CE1-CZ	7.88	1.57	1.38
1	22	150	TYR	CE1-CZ	7.88	1.57	1.38
1	3A	150	TYR	CE1-CZ	7.88	1.57	1.38
1	3I	150	TYR	CE1-CZ	7.88	1.57	1.38
1	3M	150	TYR	CE1-CZ	7.88	1.57	1.38
1	32	150	TYR	CE1-CZ	7.88	1.57	1.38
1	36	150	TYR	CE1-CZ	7.88	1.57	1.38
1	4E	150	TYR	CE1-CZ	7.88	1.57	1.38
1	4I	150	TYR	CE1-CZ	7.88	1.57	1.38
1	4Q	150	TYR	CE1-CZ	7.88	1.57	1.38
1	4Y	150	TYR	CE1-CZ	7.88	1.57	1.38
1	5U	150	TYR	CE1-CZ	7.88	1.57	1.38
1	5Y	150	TYR	CE1-CZ	7.88	1.57	1.38
1	6E	150	TYR	CE1-CZ	7.88	1.57	1.38
1	6M	150	TYR	CE1-CZ	7.88	1.57	1.38
1	6U	150	TYR	CE1-CZ	7.88	1.57	1.38
1	6Y	150	TYR	CE1-CZ	7.88	1.57	1.38
1	7E	150	TYR	CE1-CZ	7.88	1.57	1.38
1	7I	150	TYR	CE1-CZ	7.88	1.57	1.38
1	7Q	150	TYR	CE1-CZ	7.88	1.57	1.38
1	7U	150	TYR	CE1-CZ	7.88	1.57	1.38
1	1M	27	LYS	CA-CB	7.88	1.66	1.53
1	2I	27	LYS	CA-CB	7.88	1.66	1.53
1	3A	27	LYS	CA-CB	7.88	1.66	1.53
1	3I	27	LYS	CA-CB	7.88	1.66	1.53
1	32	27	LYS	CA-CB	7.88	1.66	1.53
1	4E	27	LYS	CA-CB	7.88	1.66	1.53
1	4Y	27	LYS	CA-CB	7.88	1.66	1.53
1	5U	27	LYS	CA-CB	7.88	1.66	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	27	LYS	CA-CB	7.88	1.66	1.53
1	6U	27	LYS	CA-CB	7.88	1.66	1.53
1	7E	27	LYS	CA-CB	7.88	1.66	1.53
1	7Q	27	LYS	CA-CB	7.88	1.66	1.53
1	1A	27	LYS	C-O	-7.87	1.14	1.24
1	1I	27	LYS	C-O	-7.87	1.14	1.24
1	2E	27	LYS	C-O	-7.87	1.14	1.24
1	26	27	LYS	C-O	-7.87	1.14	1.24
1	3E	27	LYS	C-O	-7.87	1.14	1.24
1	4A	27	LYS	C-O	-7.87	1.14	1.24
1	4M	27	LYS	C-O	-7.87	1.14	1.24
1	4U	27	LYS	C-O	-7.87	1.14	1.24
1	5Q	27	LYS	C-O	-7.87	1.14	1.24
1	6I	27	LYS	C-O	-7.87	1.14	1.24
1	6Q	27	LYS	C-O	-7.87	1.14	1.24
1	7M	27	LYS	C-O	-7.87	1.14	1.24
1	12	150	TYR	CE1-CZ	7.87	1.57	1.38
1	16	150	TYR	CE1-CZ	7.87	1.57	1.38
1	2A	150	TYR	CE1-CZ	7.87	1.57	1.38
1	3Q	150	TYR	CE1-CZ	7.87	1.57	1.38
1	3U	150	TYR	CE1-CZ	7.87	1.57	1.38
1	3Y	150	TYR	CE1-CZ	7.87	1.57	1.38
1	5E	150	TYR	CE1-CZ	7.87	1.57	1.38
1	5I	150	TYR	CE1-CZ	7.87	1.57	1.38
1	5M	150	TYR	CE1-CZ	7.87	1.57	1.38
1	62	150	TYR	CE1-CZ	7.87	1.57	1.38
1	66	150	TYR	CE1-CZ	7.87	1.57	1.38
1	7A	150	TYR	CE1-CZ	7.87	1.57	1.38
1	12	49	LEU	CA-C	7.87	1.62	1.52
1	16	49	LEU	CA-C	7.87	1.62	1.52
1	2A	49	LEU	CA-C	7.87	1.62	1.52
1	3Q	49	LEU	CA-C	7.87	1.62	1.52
1	3U	49	LEU	CA-C	7.87	1.62	1.52
1	3Y	49	LEU	CA-C	7.87	1.62	1.52
1	5E	49	LEU	CA-C	7.87	1.62	1.52
1	5I	49	LEU	CA-C	7.87	1.62	1.52
1	5M	49	LEU	CA-C	7.87	1.62	1.52
1	62	49	LEU	CA-C	7.87	1.62	1.52
1	66	49	LEU	CA-C	7.87	1.62	1.52
1	7A	49	LEU	CA-C	7.87	1.62	1.52
1	1Q	84	ARG	NE-CZ	-7.87	1.24	1.33
1	1U	84	ARG	NE-CZ	-7.87	1.24	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	84	ARG	NE-CZ	-7.87	1.24	1.33
1	2Q	84	ARG	NE-CZ	-7.87	1.24	1.33
1	2U	84	ARG	NE-CZ	-7.87	1.24	1.33
1	2Y	84	ARG	NE-CZ	-7.87	1.24	1.33
1	42	84	ARG	NE-CZ	-7.87	1.24	1.33
1	46	84	ARG	NE-CZ	-7.87	1.24	1.33
1	5A	84	ARG	NE-CZ	-7.87	1.24	1.33
1	52	84	ARG	NE-CZ	-7.87	1.24	1.33
1	56	84	ARG	NE-CZ	-7.87	1.24	1.33
1	6A	84	ARG	NE-CZ	-7.87	1.24	1.33
1	1E	84	ARG	NE-CZ	-7.86	1.24	1.33
1	2M	84	ARG	NE-CZ	-7.86	1.24	1.33
1	22	84	ARG	NE-CZ	-7.86	1.24	1.33
1	3M	84	ARG	NE-CZ	-7.86	1.24	1.33
1	36	84	ARG	NE-CZ	-7.86	1.24	1.33
1	4I	84	ARG	NE-CZ	-7.86	1.24	1.33
1	4Q	84	ARG	NE-CZ	-7.86	1.24	1.33
1	5Y	84	ARG	NE-CZ	-7.86	1.24	1.33
1	6E	84	ARG	NE-CZ	-7.86	1.24	1.33
1	6Y	84	ARG	NE-CZ	-7.86	1.24	1.33
1	7I	84	ARG	NE-CZ	-7.86	1.24	1.33
1	7U	84	ARG	NE-CZ	-7.86	1.24	1.33
1	1Q	150	TYR	CE1-CZ	7.86	1.57	1.38
1	1U	150	TYR	CE1-CZ	7.86	1.57	1.38
1	1Y	150	TYR	CE1-CZ	7.86	1.57	1.38
1	2Q	150	TYR	CE1-CZ	7.86	1.57	1.38
1	2U	150	TYR	CE1-CZ	7.86	1.57	1.38
1	2Y	150	TYR	CE1-CZ	7.86	1.57	1.38
1	42	150	TYR	CE1-CZ	7.86	1.57	1.38
1	46	150	TYR	CE1-CZ	7.86	1.57	1.38
1	5A	150	TYR	CE1-CZ	7.86	1.57	1.38
1	52	150	TYR	CE1-CZ	7.86	1.57	1.38
1	56	150	TYR	CE1-CZ	7.86	1.57	1.38
1	6A	150	TYR	CE1-CZ	7.86	1.57	1.38
2	1F	39	ASP	CG-OD2	7.85	1.40	1.25
2	2N	39	ASP	CG-OD2	7.85	1.40	1.25
2	23	39	ASP	CG-OD2	7.85	1.40	1.25
2	3N	39	ASP	CG-OD2	7.85	1.40	1.25
2	37	39	ASP	CG-OD2	7.85	1.40	1.25
2	4J	39	ASP	CG-OD2	7.85	1.40	1.25
2	4R	39	ASP	CG-OD2	7.85	1.40	1.25
2	5Z	39	ASP	CG-OD2	7.85	1.40	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	39	ASP	CG-OD2	7.85	1.40	1.25
2	6Z	39	ASP	CG-OD2	7.85	1.40	1.25
2	7J	39	ASP	CG-OD2	7.85	1.40	1.25
2	7V	39	ASP	CG-OD2	7.85	1.40	1.25
1	1E	172	PHE	CA-CB	7.85	1.66	1.53
1	2M	172	PHE	CA-CB	7.85	1.66	1.53
1	22	172	PHE	CA-CB	7.85	1.66	1.53
1	3M	172	PHE	CA-CB	7.85	1.66	1.53
1	36	172	PHE	CA-CB	7.85	1.66	1.53
1	4I	172	PHE	CA-CB	7.85	1.66	1.53
1	4Q	172	PHE	CA-CB	7.85	1.66	1.53
1	5Y	172	PHE	CA-CB	7.85	1.66	1.53
1	6E	172	PHE	CA-CB	7.85	1.66	1.53
1	6Y	172	PHE	CA-CB	7.85	1.66	1.53
1	7I	172	PHE	CA-CB	7.85	1.66	1.53
1	7U	172	PHE	CA-CB	7.85	1.66	1.53
1	1A	150	TYR	CE1-CZ	7.84	1.57	1.38
1	1E	49	LEU	CA-C	7.84	1.62	1.52
1	1I	150	TYR	CE1-CZ	7.84	1.57	1.38
1	2E	150	TYR	CE1-CZ	7.84	1.57	1.38
1	2M	49	LEU	CA-C	7.84	1.62	1.52
1	22	49	LEU	CA-C	7.84	1.62	1.52
1	26	150	TYR	CE1-CZ	7.84	1.57	1.38
1	3E	150	TYR	CE1-CZ	7.84	1.57	1.38
1	3M	49	LEU	CA-C	7.84	1.62	1.52
1	36	49	LEU	CA-C	7.84	1.62	1.52
1	4A	150	TYR	CE1-CZ	7.84	1.57	1.38
1	4I	49	LEU	CA-C	7.84	1.62	1.52
1	4M	150	TYR	CE1-CZ	7.84	1.57	1.38
1	4Q	49	LEU	CA-C	7.84	1.62	1.52
1	4U	150	TYR	CE1-CZ	7.84	1.57	1.38
1	5Q	150	TYR	CE1-CZ	7.84	1.57	1.38
1	5Y	49	LEU	CA-C	7.84	1.62	1.52
1	6E	49	LEU	CA-C	7.84	1.62	1.52
1	6I	150	TYR	CE1-CZ	7.84	1.57	1.38
1	6Q	150	TYR	CE1-CZ	7.84	1.57	1.38
1	6Y	49	LEU	CA-C	7.84	1.62	1.52
1	7I	49	LEU	CA-C	7.84	1.62	1.52
1	7M	150	TYR	CE1-CZ	7.84	1.57	1.38
1	7U	49	LEU	CA-C	7.84	1.62	1.52
2	13	39	ASP	CG-OD2	7.84	1.40	1.25
2	17	39	ASP	CG-OD2	7.84	1.40	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	39	ASP	CG-OD2	7.84	1.40	1.25
2	3R	39	ASP	CG-OD2	7.84	1.40	1.25
2	3V	39	ASP	CG-OD2	7.84	1.40	1.25
2	3Z	39	ASP	CG-OD2	7.84	1.40	1.25
2	5F	39	ASP	CG-OD2	7.84	1.40	1.25
2	5J	39	ASP	CG-OD2	7.84	1.40	1.25
2	5N	39	ASP	CG-OD2	7.84	1.40	1.25
2	63	39	ASP	CG-OD2	7.84	1.40	1.25
2	67	39	ASP	CG-OD2	7.84	1.40	1.25
2	7B	39	ASP	CG-OD2	7.84	1.40	1.25
2	1F	52	ASP	C-N	7.83	1.45	1.33
2	2N	52	ASP	C-N	7.83	1.45	1.33
2	23	52	ASP	C-N	7.83	1.45	1.33
2	3N	52	ASP	C-N	7.83	1.45	1.33
2	37	52	ASP	C-N	7.83	1.45	1.33
2	4J	52	ASP	C-N	7.83	1.45	1.33
2	4R	52	ASP	C-N	7.83	1.45	1.33
2	5Z	52	ASP	C-N	7.83	1.45	1.33
2	6F	52	ASP	C-N	7.83	1.45	1.33
2	6Z	52	ASP	C-N	7.83	1.45	1.33
2	7J	52	ASP	C-N	7.83	1.45	1.33
2	7V	52	ASP	C-N	7.83	1.45	1.33
1	1A	172	PHE	CA-CB	7.83	1.66	1.53
1	1I	172	PHE	CA-CB	7.83	1.66	1.53
1	2E	172	PHE	CA-CB	7.83	1.66	1.53
1	26	172	PHE	CA-CB	7.83	1.66	1.53
1	3E	172	PHE	CA-CB	7.83	1.66	1.53
1	4A	172	PHE	CA-CB	7.83	1.66	1.53
1	4M	172	PHE	CA-CB	7.83	1.66	1.53
1	4U	172	PHE	CA-CB	7.83	1.66	1.53
1	5Q	172	PHE	CA-CB	7.83	1.66	1.53
1	6I	172	PHE	CA-CB	7.83	1.66	1.53
1	6Q	172	PHE	CA-CB	7.83	1.66	1.53
1	7M	172	PHE	CA-CB	7.83	1.66	1.53
2	1R	55	PRO	CA-C	-7.82	1.40	1.52
2	1V	55	PRO	CA-C	-7.82	1.40	1.52
2	1Z	55	PRO	CA-C	-7.82	1.40	1.52
2	2R	55	PRO	CA-C	-7.82	1.40	1.52
2	2V	55	PRO	CA-C	-7.82	1.40	1.52
2	2Z	55	PRO	CA-C	-7.82	1.40	1.52
2	43	55	PRO	CA-C	-7.82	1.40	1.52
2	47	55	PRO	CA-C	-7.82	1.40	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	55	PRO	CA-C	-7.82	1.40	1.52
2	53	55	PRO	CA-C	-7.82	1.40	1.52
2	57	55	PRO	CA-C	-7.82	1.40	1.52
2	6B	55	PRO	CA-C	-7.82	1.40	1.52
1	1Q	172	PHE	CA-CB	7.81	1.66	1.53
1	1U	172	PHE	CA-CB	7.81	1.66	1.53
1	1Y	172	PHE	CA-CB	7.81	1.66	1.53
1	2Q	172	PHE	CA-CB	7.81	1.66	1.53
1	2U	172	PHE	CA-CB	7.81	1.66	1.53
1	2Y	172	PHE	CA-CB	7.81	1.66	1.53
1	42	172	PHE	CA-CB	7.81	1.66	1.53
1	46	172	PHE	CA-CB	7.81	1.66	1.53
1	5A	172	PHE	CA-CB	7.81	1.66	1.53
1	52	172	PHE	CA-CB	7.81	1.66	1.53
1	56	172	PHE	CA-CB	7.81	1.66	1.53
1	6A	172	PHE	CA-CB	7.81	1.66	1.53
1	12	172	PHE	CA-CB	7.81	1.66	1.53
1	16	172	PHE	CA-CB	7.81	1.66	1.53
1	2A	172	PHE	CA-CB	7.81	1.66	1.53
1	3Q	172	PHE	CA-CB	7.81	1.66	1.53
1	3U	172	PHE	CA-CB	7.81	1.66	1.53
1	3Y	172	PHE	CA-CB	7.81	1.66	1.53
1	5E	172	PHE	CA-CB	7.81	1.66	1.53
1	5I	172	PHE	CA-CB	7.81	1.66	1.53
1	5M	172	PHE	CA-CB	7.81	1.66	1.53
1	62	172	PHE	CA-CB	7.81	1.66	1.53
1	66	172	PHE	CA-CB	7.81	1.66	1.53
1	7A	172	PHE	CA-CB	7.81	1.66	1.53
2	13	52	ASP	C-N	7.80	1.45	1.33
2	17	52	ASP	C-N	7.80	1.45	1.33
2	2B	52	ASP	C-N	7.80	1.45	1.33
2	3R	52	ASP	C-N	7.80	1.45	1.33
2	3V	52	ASP	C-N	7.80	1.45	1.33
2	3Z	52	ASP	C-N	7.80	1.45	1.33
2	5F	52	ASP	C-N	7.80	1.45	1.33
2	5J	52	ASP	C-N	7.80	1.45	1.33
2	5N	52	ASP	C-N	7.80	1.45	1.33
2	63	52	ASP	C-N	7.80	1.45	1.33
2	67	52	ASP	C-N	7.80	1.45	1.33
2	7B	52	ASP	C-N	7.80	1.45	1.33
2	1B	55	PRO	CA-C	-7.80	1.40	1.52
2	1F	55	PRO	CA-C	-7.80	1.40	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1J	55	PRO	CA-C	-7.80	1.40	1.52
2	2F	55	PRO	CA-C	-7.80	1.40	1.52
2	2N	55	PRO	CA-C	-7.80	1.40	1.52
2	23	55	PRO	CA-C	-7.80	1.40	1.52
2	27	55	PRO	CA-C	-7.80	1.40	1.52
2	3F	55	PRO	CA-C	-7.80	1.40	1.52
2	3N	55	PRO	CA-C	-7.80	1.40	1.52
2	37	55	PRO	CA-C	-7.80	1.40	1.52
2	4B	55	PRO	CA-C	-7.80	1.40	1.52
2	4J	55	PRO	CA-C	-7.80	1.40	1.52
2	4N	55	PRO	CA-C	-7.80	1.40	1.52
2	4R	55	PRO	CA-C	-7.80	1.40	1.52
2	4V	55	PRO	CA-C	-7.80	1.40	1.52
2	5R	55	PRO	CA-C	-7.80	1.40	1.52
2	5Z	55	PRO	CA-C	-7.80	1.40	1.52
2	6F	55	PRO	CA-C	-7.80	1.40	1.52
2	6J	55	PRO	CA-C	-7.80	1.40	1.52
2	6R	55	PRO	CA-C	-7.80	1.40	1.52
2	6Z	55	PRO	CA-C	-7.80	1.40	1.52
2	7J	55	PRO	CA-C	-7.80	1.40	1.52
2	7N	55	PRO	CA-C	-7.80	1.40	1.52
2	7V	55	PRO	CA-C	-7.80	1.40	1.52
2	1N	15	VAL	C-N	-7.79	1.22	1.33
2	2J	15	VAL	C-N	-7.79	1.22	1.33
2	3B	15	VAL	C-N	-7.79	1.22	1.33
2	3J	15	VAL	C-N	-7.79	1.22	1.33
2	33	15	VAL	C-N	-7.79	1.22	1.33
2	4F	15	VAL	C-N	-7.79	1.22	1.33
2	4Z	15	VAL	C-N	-7.79	1.22	1.33
2	5V	15	VAL	C-N	-7.79	1.22	1.33
2	6N	15	VAL	C-N	-7.79	1.22	1.33
2	6V	15	VAL	C-N	-7.79	1.22	1.33
2	7F	15	VAL	C-N	-7.79	1.22	1.33
2	7R	15	VAL	C-N	-7.79	1.22	1.33
2	1B	15	VAL	C-N	-7.79	1.22	1.33
2	1J	15	VAL	C-N	-7.79	1.22	1.33
2	1R	228	ASP	C-N	7.79	1.44	1.33
2	1V	228	ASP	C-N	7.79	1.44	1.33
2	1Z	228	ASP	C-N	7.79	1.44	1.33
2	2F	15	VAL	C-N	-7.79	1.22	1.33
2	2R	228	ASP	C-N	7.79	1.44	1.33
2	2V	228	ASP	C-N	7.79	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2Z	228	ASP	C-N	7.79	1.44	1.33
2	27	15	VAL	C-N	-7.79	1.22	1.33
2	3F	15	VAL	C-N	-7.79	1.22	1.33
2	4B	15	VAL	C-N	-7.79	1.22	1.33
2	4N	15	VAL	C-N	-7.79	1.22	1.33
2	4V	15	VAL	C-N	-7.79	1.22	1.33
2	43	228	ASP	C-N	7.79	1.44	1.33
2	47	228	ASP	C-N	7.79	1.44	1.33
2	5B	228	ASP	C-N	7.79	1.44	1.33
2	5R	15	VAL	C-N	-7.79	1.22	1.33
2	53	228	ASP	C-N	7.79	1.44	1.33
2	57	228	ASP	C-N	7.79	1.44	1.33
2	6B	228	ASP	C-N	7.79	1.44	1.33
2	6J	15	VAL	C-N	-7.79	1.22	1.33
2	6R	15	VAL	C-N	-7.79	1.22	1.33
2	7N	15	VAL	C-N	-7.79	1.22	1.33
2	13	55	PRO	CA-C	-7.78	1.40	1.52
2	17	55	PRO	CA-C	-7.78	1.40	1.52
2	2B	55	PRO	CA-C	-7.78	1.40	1.52
2	3R	55	PRO	CA-C	-7.78	1.40	1.52
2	3V	55	PRO	CA-C	-7.78	1.40	1.52
2	3Z	55	PRO	CA-C	-7.78	1.40	1.52
2	5F	55	PRO	CA-C	-7.78	1.40	1.52
2	5J	55	PRO	CA-C	-7.78	1.40	1.52
2	5N	55	PRO	CA-C	-7.78	1.40	1.52
2	63	55	PRO	CA-C	-7.78	1.40	1.52
2	67	55	PRO	CA-C	-7.78	1.40	1.52
2	7B	55	PRO	CA-C	-7.78	1.40	1.52
2	1F	228	ASP	C-N	7.78	1.44	1.33
2	2N	228	ASP	C-N	7.78	1.44	1.33
2	23	228	ASP	C-N	7.78	1.44	1.33
2	3N	228	ASP	C-N	7.78	1.44	1.33
2	37	228	ASP	C-N	7.78	1.44	1.33
2	4J	228	ASP	C-N	7.78	1.44	1.33
2	4R	228	ASP	C-N	7.78	1.44	1.33
2	5Z	228	ASP	C-N	7.78	1.44	1.33
2	6F	228	ASP	C-N	7.78	1.44	1.33
2	6Z	228	ASP	C-N	7.78	1.44	1.33
2	7J	228	ASP	C-N	7.78	1.44	1.33
2	7V	228	ASP	C-N	7.78	1.44	1.33
2	1R	52	ASP	C-N	7.78	1.45	1.33
2	1V	52	ASP	C-N	7.78	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	52	ASP	C-N	7.78	1.45	1.33
2	2R	52	ASP	C-N	7.78	1.45	1.33
2	2V	52	ASP	C-N	7.78	1.45	1.33
2	2Z	52	ASP	C-N	7.78	1.45	1.33
2	43	52	ASP	C-N	7.78	1.45	1.33
2	47	52	ASP	C-N	7.78	1.45	1.33
2	5B	52	ASP	C-N	7.78	1.45	1.33
2	53	52	ASP	C-N	7.78	1.45	1.33
2	57	52	ASP	C-N	7.78	1.45	1.33
2	6B	52	ASP	C-N	7.78	1.45	1.33
1	1M	172	PHE	CA-CB	7.78	1.66	1.53
2	1N	55	PRO	CA-C	-7.78	1.40	1.52
1	2I	172	PHE	CA-CB	7.78	1.66	1.53
2	2J	55	PRO	CA-C	-7.78	1.40	1.52
1	3A	172	PHE	CA-CB	7.78	1.66	1.53
2	3B	55	PRO	CA-C	-7.78	1.40	1.52
1	3I	172	PHE	CA-CB	7.78	1.66	1.53
2	3J	55	PRO	CA-C	-7.78	1.40	1.52
1	32	172	PHE	CA-CB	7.78	1.66	1.53
2	33	55	PRO	CA-C	-7.78	1.40	1.52
1	4E	172	PHE	CA-CB	7.78	1.66	1.53
2	4F	55	PRO	CA-C	-7.78	1.40	1.52
1	4Y	172	PHE	CA-CB	7.78	1.66	1.53
2	4Z	55	PRO	CA-C	-7.78	1.40	1.52
1	5U	172	PHE	CA-CB	7.78	1.66	1.53
2	5V	55	PRO	CA-C	-7.78	1.40	1.52
1	6M	172	PHE	CA-CB	7.78	1.66	1.53
2	6N	55	PRO	CA-C	-7.78	1.40	1.52
1	6U	172	PHE	CA-CB	7.78	1.66	1.53
2	6V	55	PRO	CA-C	-7.78	1.40	1.52
1	7E	172	PHE	CA-CB	7.78	1.66	1.53
2	7F	55	PRO	CA-C	-7.78	1.40	1.52
1	7Q	172	PHE	CA-CB	7.78	1.66	1.53
2	7R	55	PRO	CA-C	-7.78	1.40	1.52
2	1B	52	ASP	C-N	7.78	1.45	1.33
2	1J	52	ASP	C-N	7.78	1.45	1.33
2	1N	52	ASP	C-N	7.78	1.45	1.33
2	2F	52	ASP	C-N	7.78	1.45	1.33
2	2J	52	ASP	C-N	7.78	1.45	1.33
2	27	52	ASP	C-N	7.78	1.45	1.33
2	3B	52	ASP	C-N	7.78	1.45	1.33
2	3F	52	ASP	C-N	7.78	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3J	52	ASP	C-N	7.78	1.45	1.33
2	33	52	ASP	C-N	7.78	1.45	1.33
2	4B	52	ASP	C-N	7.78	1.45	1.33
2	4F	52	ASP	C-N	7.78	1.45	1.33
2	4N	52	ASP	C-N	7.78	1.45	1.33
2	4V	52	ASP	C-N	7.78	1.45	1.33
2	4Z	52	ASP	C-N	7.78	1.45	1.33
2	5R	52	ASP	C-N	7.78	1.45	1.33
2	5V	52	ASP	C-N	7.78	1.45	1.33
2	6J	52	ASP	C-N	7.78	1.45	1.33
2	6N	52	ASP	C-N	7.78	1.45	1.33
2	6R	52	ASP	C-N	7.78	1.45	1.33
2	6V	52	ASP	C-N	7.78	1.45	1.33
2	7F	52	ASP	C-N	7.78	1.45	1.33
2	7N	52	ASP	C-N	7.78	1.45	1.33
2	7R	52	ASP	C-N	7.78	1.45	1.33
2	1B	228	ASP	C-N	7.76	1.44	1.33
2	1J	228	ASP	C-N	7.76	1.44	1.33
2	2F	228	ASP	C-N	7.76	1.44	1.33
2	27	228	ASP	C-N	7.76	1.44	1.33
2	3F	228	ASP	C-N	7.76	1.44	1.33
2	4B	228	ASP	C-N	7.76	1.44	1.33
2	4N	228	ASP	C-N	7.76	1.44	1.33
2	4V	228	ASP	C-N	7.76	1.44	1.33
2	5R	228	ASP	C-N	7.76	1.44	1.33
2	6J	228	ASP	C-N	7.76	1.44	1.33
2	6R	228	ASP	C-N	7.76	1.44	1.33
2	7N	228	ASP	C-N	7.76	1.44	1.33
2	1B	30	PRO	CA-CB	-7.75	1.42	1.53
2	1J	30	PRO	CA-CB	-7.75	1.42	1.53
2	2F	30	PRO	CA-CB	-7.75	1.42	1.53
2	27	30	PRO	CA-CB	-7.75	1.42	1.53
2	3F	30	PRO	CA-CB	-7.75	1.42	1.53
2	4B	30	PRO	CA-CB	-7.75	1.42	1.53
2	4N	30	PRO	CA-CB	-7.75	1.42	1.53
2	4V	30	PRO	CA-CB	-7.75	1.42	1.53
2	5R	30	PRO	CA-CB	-7.75	1.42	1.53
2	6J	30	PRO	CA-CB	-7.75	1.42	1.53
2	6R	30	PRO	CA-CB	-7.75	1.42	1.53
2	7N	30	PRO	CA-CB	-7.75	1.42	1.53
2	13	15	VAL	C-N	-7.75	1.22	1.33
2	17	15	VAL	C-N	-7.75	1.22	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	15	VAL	C-N	-7.75	1.22	1.33
2	3R	15	VAL	C-N	-7.75	1.22	1.33
2	3V	15	VAL	C-N	-7.75	1.22	1.33
2	3Z	15	VAL	C-N	-7.75	1.22	1.33
2	5F	15	VAL	C-N	-7.75	1.22	1.33
2	5J	15	VAL	C-N	-7.75	1.22	1.33
2	5N	15	VAL	C-N	-7.75	1.22	1.33
2	63	15	VAL	C-N	-7.75	1.22	1.33
2	67	15	VAL	C-N	-7.75	1.22	1.33
2	7B	15	VAL	C-N	-7.75	1.22	1.33
2	1F	15	VAL	C-N	-7.74	1.22	1.33
2	1R	15	VAL	C-N	-7.74	1.22	1.33
2	1R	72	ARG	C-O	-7.74	1.08	1.23
2	1V	15	VAL	C-N	-7.74	1.22	1.33
2	1V	72	ARG	C-O	-7.74	1.08	1.23
2	1Z	15	VAL	C-N	-7.74	1.22	1.33
2	1Z	72	ARG	C-O	-7.74	1.08	1.23
2	2N	15	VAL	C-N	-7.74	1.22	1.33
2	2R	15	VAL	C-N	-7.74	1.22	1.33
2	2R	72	ARG	C-O	-7.74	1.08	1.23
2	2V	15	VAL	C-N	-7.74	1.22	1.33
2	2V	72	ARG	C-O	-7.74	1.08	1.23
2	2Z	15	VAL	C-N	-7.74	1.22	1.33
2	2Z	72	ARG	C-O	-7.74	1.08	1.23
2	23	15	VAL	C-N	-7.74	1.22	1.33
2	3N	15	VAL	C-N	-7.74	1.22	1.33
2	37	15	VAL	C-N	-7.74	1.22	1.33
2	4J	15	VAL	C-N	-7.74	1.22	1.33
2	4R	15	VAL	C-N	-7.74	1.22	1.33
2	43	15	VAL	C-N	-7.74	1.22	1.33
2	43	72	ARG	C-O	-7.74	1.08	1.23
2	47	15	VAL	C-N	-7.74	1.22	1.33
2	47	72	ARG	C-O	-7.74	1.08	1.23
2	5B	15	VAL	C-N	-7.74	1.22	1.33
2	5B	72	ARG	C-O	-7.74	1.08	1.23
2	5Z	15	VAL	C-N	-7.74	1.22	1.33
2	53	15	VAL	C-N	-7.74	1.22	1.33
2	53	72	ARG	C-O	-7.74	1.08	1.23
2	57	15	VAL	C-N	-7.74	1.22	1.33
2	57	72	ARG	C-O	-7.74	1.08	1.23
2	6B	15	VAL	C-N	-7.74	1.22	1.33
2	6B	72	ARG	C-O	-7.74	1.08	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	15	VAL	C-N	-7.74	1.22	1.33
2	6Z	15	VAL	C-N	-7.74	1.22	1.33
2	7J	15	VAL	C-N	-7.74	1.22	1.33
2	7V	15	VAL	C-N	-7.74	1.22	1.33
2	1N	30	PRO	CA-CB	-7.74	1.42	1.53
2	2J	30	PRO	CA-CB	-7.74	1.42	1.53
2	3B	30	PRO	CA-CB	-7.74	1.42	1.53
2	3J	30	PRO	CA-CB	-7.74	1.42	1.53
2	33	30	PRO	CA-CB	-7.74	1.42	1.53
2	4F	30	PRO	CA-CB	-7.74	1.42	1.53
2	4Z	30	PRO	CA-CB	-7.74	1.42	1.53
2	5V	30	PRO	CA-CB	-7.74	1.42	1.53
2	6N	30	PRO	CA-CB	-7.74	1.42	1.53
2	6V	30	PRO	CA-CB	-7.74	1.42	1.53
2	7F	30	PRO	CA-CB	-7.74	1.42	1.53
2	7R	30	PRO	CA-CB	-7.74	1.42	1.53
2	1N	43	SER	CA-C	-7.73	1.42	1.52
2	2J	43	SER	CA-C	-7.73	1.42	1.52
2	3B	43	SER	CA-C	-7.73	1.42	1.52
2	3J	43	SER	CA-C	-7.73	1.42	1.52
2	33	43	SER	CA-C	-7.73	1.42	1.52
2	4F	43	SER	CA-C	-7.73	1.42	1.52
2	4Z	43	SER	CA-C	-7.73	1.42	1.52
2	5V	43	SER	CA-C	-7.73	1.42	1.52
2	6N	43	SER	CA-C	-7.73	1.42	1.52
2	6V	43	SER	CA-C	-7.73	1.42	1.52
2	7F	43	SER	CA-C	-7.73	1.42	1.52
2	7R	43	SER	CA-C	-7.73	1.42	1.52
2	13	30	PRO	CA-CB	-7.73	1.42	1.53
2	17	30	PRO	CA-CB	-7.73	1.42	1.53
2	2B	30	PRO	CA-CB	-7.73	1.42	1.53
2	3R	30	PRO	CA-CB	-7.73	1.42	1.53
2	3V	30	PRO	CA-CB	-7.73	1.42	1.53
2	3Z	30	PRO	CA-CB	-7.73	1.42	1.53
2	5F	30	PRO	CA-CB	-7.73	1.42	1.53
2	5J	30	PRO	CA-CB	-7.73	1.42	1.53
2	5N	30	PRO	CA-CB	-7.73	1.42	1.53
2	63	30	PRO	CA-CB	-7.73	1.42	1.53
2	67	30	PRO	CA-CB	-7.73	1.42	1.53
2	7B	30	PRO	CA-CB	-7.73	1.42	1.53
2	1R	43	SER	CA-C	-7.72	1.42	1.52
2	1V	43	SER	CA-C	-7.72	1.42	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	43	SER	CA-C	-7.72	1.42	1.52
2	2R	43	SER	CA-C	-7.72	1.42	1.52
2	2V	43	SER	CA-C	-7.72	1.42	1.52
2	2Z	43	SER	CA-C	-7.72	1.42	1.52
2	43	43	SER	CA-C	-7.72	1.42	1.52
2	47	43	SER	CA-C	-7.72	1.42	1.52
2	5B	43	SER	CA-C	-7.72	1.42	1.52
2	53	43	SER	CA-C	-7.72	1.42	1.52
2	57	43	SER	CA-C	-7.72	1.42	1.52
2	6B	43	SER	CA-C	-7.72	1.42	1.52
2	13	72	ARG	C-O	-7.72	1.08	1.23
2	17	72	ARG	C-O	-7.72	1.08	1.23
2	2B	72	ARG	C-O	-7.72	1.08	1.23
2	3R	72	ARG	C-O	-7.72	1.08	1.23
2	3V	72	ARG	C-O	-7.72	1.08	1.23
2	3Z	72	ARG	C-O	-7.72	1.08	1.23
2	5F	72	ARG	C-O	-7.72	1.08	1.23
2	5J	72	ARG	C-O	-7.72	1.08	1.23
2	5N	72	ARG	C-O	-7.72	1.08	1.23
2	63	72	ARG	C-O	-7.72	1.08	1.23
2	67	72	ARG	C-O	-7.72	1.08	1.23
2	7B	72	ARG	C-O	-7.72	1.08	1.23
1	1E	80	PHE	C-N	-7.72	1.22	1.33
2	13	228	ASP	C-N	7.72	1.44	1.33
2	17	228	ASP	C-N	7.72	1.44	1.33
2	2B	228	ASP	C-N	7.72	1.44	1.33
1	2M	80	PHE	C-N	-7.72	1.22	1.33
1	22	80	PHE	C-N	-7.72	1.22	1.33
1	3M	80	PHE	C-N	-7.72	1.22	1.33
2	3R	228	ASP	C-N	7.72	1.44	1.33
2	3V	228	ASP	C-N	7.72	1.44	1.33
2	3Z	228	ASP	C-N	7.72	1.44	1.33
1	36	80	PHE	C-N	-7.72	1.22	1.33
1	4I	80	PHE	C-N	-7.72	1.22	1.33
1	4Q	80	PHE	C-N	-7.72	1.22	1.33
2	5F	228	ASP	C-N	7.72	1.44	1.33
2	5J	228	ASP	C-N	7.72	1.44	1.33
2	5N	228	ASP	C-N	7.72	1.44	1.33
1	5Y	80	PHE	C-N	-7.72	1.22	1.33
1	6E	80	PHE	C-N	-7.72	1.22	1.33
1	6Y	80	PHE	C-N	-7.72	1.22	1.33
2	63	228	ASP	C-N	7.72	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	67	228	ASP	C-N	7.72	1.44	1.33
2	7B	228	ASP	C-N	7.72	1.44	1.33
1	7I	80	PHE	C-N	-7.72	1.22	1.33
1	7U	80	PHE	C-N	-7.72	1.22	1.33
2	1F	72	ARG	C-O	-7.71	1.08	1.23
2	2N	72	ARG	C-O	-7.71	1.08	1.23
2	23	72	ARG	C-O	-7.71	1.08	1.23
2	3N	72	ARG	C-O	-7.71	1.08	1.23
2	37	72	ARG	C-O	-7.71	1.08	1.23
2	4J	72	ARG	C-O	-7.71	1.08	1.23
2	4R	72	ARG	C-O	-7.71	1.08	1.23
2	5Z	72	ARG	C-O	-7.71	1.08	1.23
2	6F	72	ARG	C-O	-7.71	1.08	1.23
2	6Z	72	ARG	C-O	-7.71	1.08	1.23
2	7J	72	ARG	C-O	-7.71	1.08	1.23
2	7V	72	ARG	C-O	-7.71	1.08	1.23
2	1F	30	PRO	CA-CB	-7.71	1.42	1.53
2	2N	30	PRO	CA-CB	-7.71	1.42	1.53
2	23	30	PRO	CA-CB	-7.71	1.42	1.53
2	3N	30	PRO	CA-CB	-7.71	1.42	1.53
2	37	30	PRO	CA-CB	-7.71	1.42	1.53
2	4J	30	PRO	CA-CB	-7.71	1.42	1.53
2	4R	30	PRO	CA-CB	-7.71	1.42	1.53
2	5Z	30	PRO	CA-CB	-7.71	1.42	1.53
2	6F	30	PRO	CA-CB	-7.71	1.42	1.53
2	6Z	30	PRO	CA-CB	-7.71	1.42	1.53
2	7J	30	PRO	CA-CB	-7.71	1.42	1.53
2	7V	30	PRO	CA-CB	-7.71	1.42	1.53
2	1B	72	ARG	C-O	-7.71	1.08	1.23
2	1J	72	ARG	C-O	-7.71	1.08	1.23
1	12	80	PHE	C-N	-7.71	1.22	1.33
1	16	80	PHE	C-N	-7.71	1.22	1.33
1	2A	80	PHE	C-N	-7.71	1.22	1.33
2	2F	72	ARG	C-O	-7.71	1.08	1.23
2	27	72	ARG	C-O	-7.71	1.08	1.23
2	3F	72	ARG	C-O	-7.71	1.08	1.23
1	3Q	80	PHE	C-N	-7.71	1.22	1.33
1	3U	80	PHE	C-N	-7.71	1.22	1.33
1	3Y	80	PHE	C-N	-7.71	1.22	1.33
2	4B	72	ARG	C-O	-7.71	1.08	1.23
2	4N	72	ARG	C-O	-7.71	1.08	1.23
2	4V	72	ARG	C-O	-7.71	1.08	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5E	80	PHE	C-N	-7.71	1.22	1.33
1	5I	80	PHE	C-N	-7.71	1.22	1.33
1	5M	80	PHE	C-N	-7.71	1.22	1.33
2	5R	72	ARG	C-O	-7.71	1.08	1.23
2	6J	72	ARG	C-O	-7.71	1.08	1.23
2	6R	72	ARG	C-O	-7.71	1.08	1.23
1	62	80	PHE	C-N	-7.71	1.22	1.33
1	66	80	PHE	C-N	-7.71	1.22	1.33
1	7A	80	PHE	C-N	-7.71	1.22	1.33
2	7N	72	ARG	C-O	-7.71	1.08	1.23
2	1N	228	ASP	C-N	7.71	1.44	1.33
2	2J	228	ASP	C-N	7.71	1.44	1.33
2	3B	228	ASP	C-N	7.71	1.44	1.33
2	3J	228	ASP	C-N	7.71	1.44	1.33
2	33	228	ASP	C-N	7.71	1.44	1.33
2	4F	228	ASP	C-N	7.71	1.44	1.33
2	4Z	228	ASP	C-N	7.71	1.44	1.33
2	5V	228	ASP	C-N	7.71	1.44	1.33
2	6N	228	ASP	C-N	7.71	1.44	1.33
2	6V	228	ASP	C-N	7.71	1.44	1.33
2	7F	228	ASP	C-N	7.71	1.44	1.33
2	7R	228	ASP	C-N	7.71	1.44	1.33
1	1Q	80	PHE	C-N	-7.71	1.22	1.33
1	1U	80	PHE	C-N	-7.71	1.22	1.33
1	1Y	80	PHE	C-N	-7.71	1.22	1.33
1	2Q	80	PHE	C-N	-7.71	1.22	1.33
1	2U	80	PHE	C-N	-7.71	1.22	1.33
1	2Y	80	PHE	C-N	-7.71	1.22	1.33
1	42	80	PHE	C-N	-7.71	1.22	1.33
1	46	80	PHE	C-N	-7.71	1.22	1.33
1	5A	80	PHE	C-N	-7.71	1.22	1.33
1	52	80	PHE	C-N	-7.71	1.22	1.33
1	56	80	PHE	C-N	-7.71	1.22	1.33
1	6A	80	PHE	C-N	-7.71	1.22	1.33
2	1B	43	SER	CA-C	-7.70	1.42	1.52
2	1J	43	SER	CA-C	-7.70	1.42	1.52
2	2F	43	SER	CA-C	-7.70	1.42	1.52
2	27	43	SER	CA-C	-7.70	1.42	1.52
2	3F	43	SER	CA-C	-7.70	1.42	1.52
2	4B	43	SER	CA-C	-7.70	1.42	1.52
2	4N	43	SER	CA-C	-7.70	1.42	1.52
2	4V	43	SER	CA-C	-7.70	1.42	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	43	SER	CA-C	-7.70	1.42	1.52
2	6J	43	SER	CA-C	-7.70	1.42	1.52
2	6R	43	SER	CA-C	-7.70	1.42	1.52
2	7N	43	SER	CA-C	-7.70	1.42	1.52
2	1R	30	PRO	CA-CB	-7.70	1.42	1.53
2	1V	30	PRO	CA-CB	-7.70	1.42	1.53
2	1Z	30	PRO	CA-CB	-7.70	1.42	1.53
2	2R	30	PRO	CA-CB	-7.70	1.42	1.53
2	2V	30	PRO	CA-CB	-7.70	1.42	1.53
2	2Z	30	PRO	CA-CB	-7.70	1.42	1.53
2	43	30	PRO	CA-CB	-7.70	1.42	1.53
2	47	30	PRO	CA-CB	-7.70	1.42	1.53
2	5B	30	PRO	CA-CB	-7.70	1.42	1.53
2	53	30	PRO	CA-CB	-7.70	1.42	1.53
2	57	30	PRO	CA-CB	-7.70	1.42	1.53
2	6B	30	PRO	CA-CB	-7.70	1.42	1.53
1	1M	80	PHE	C-N	-7.70	1.22	1.33
2	13	43	SER	CA-C	-7.70	1.42	1.52
2	17	43	SER	CA-C	-7.70	1.42	1.52
2	2B	43	SER	CA-C	-7.70	1.42	1.52
1	2I	80	PHE	C-N	-7.70	1.22	1.33
1	3A	80	PHE	C-N	-7.70	1.22	1.33
1	3I	80	PHE	C-N	-7.70	1.22	1.33
2	3R	43	SER	CA-C	-7.70	1.42	1.52
2	3V	43	SER	CA-C	-7.70	1.42	1.52
2	3Z	43	SER	CA-C	-7.70	1.42	1.52
1	32	80	PHE	C-N	-7.70	1.22	1.33
1	4E	80	PHE	C-N	-7.70	1.22	1.33
1	4Y	80	PHE	C-N	-7.70	1.22	1.33
2	5F	43	SER	CA-C	-7.70	1.42	1.52
2	5J	43	SER	CA-C	-7.70	1.42	1.52
2	5N	43	SER	CA-C	-7.70	1.42	1.52
1	5U	80	PHE	C-N	-7.70	1.22	1.33
1	6M	80	PHE	C-N	-7.70	1.22	1.33
1	6U	80	PHE	C-N	-7.70	1.22	1.33
2	63	43	SER	CA-C	-7.70	1.42	1.52
2	67	43	SER	CA-C	-7.70	1.42	1.52
2	7B	43	SER	CA-C	-7.70	1.42	1.52
1	7E	80	PHE	C-N	-7.70	1.22	1.33
1	7Q	80	PHE	C-N	-7.70	1.22	1.33
1	1A	80	PHE	C-N	-7.68	1.22	1.33
1	1I	80	PHE	C-N	-7.68	1.22	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1N	72	ARG	C-O	-7.68	1.08	1.23
1	2E	80	PHE	C-N	-7.68	1.22	1.33
2	2J	72	ARG	C-O	-7.68	1.08	1.23
1	26	80	PHE	C-N	-7.68	1.22	1.33
2	3B	72	ARG	C-O	-7.68	1.08	1.23
1	3E	80	PHE	C-N	-7.68	1.22	1.33
2	3J	72	ARG	C-O	-7.68	1.08	1.23
2	33	72	ARG	C-O	-7.68	1.08	1.23
1	4A	80	PHE	C-N	-7.68	1.22	1.33
2	4F	72	ARG	C-O	-7.68	1.08	1.23
1	4M	80	PHE	C-N	-7.68	1.22	1.33
1	4U	80	PHE	C-N	-7.68	1.22	1.33
2	4Z	72	ARG	C-O	-7.68	1.08	1.23
1	5Q	80	PHE	C-N	-7.68	1.22	1.33
2	5V	72	ARG	C-O	-7.68	1.08	1.23
1	6I	80	PHE	C-N	-7.68	1.22	1.33
2	6N	72	ARG	C-O	-7.68	1.08	1.23
1	6Q	80	PHE	C-N	-7.68	1.22	1.33
2	6V	72	ARG	C-O	-7.68	1.08	1.23
2	7F	72	ARG	C-O	-7.68	1.08	1.23
1	7M	80	PHE	C-N	-7.68	1.22	1.33
2	7R	72	ARG	C-O	-7.68	1.08	1.23
2	1R	7	ASN	N-CA	-7.68	1.36	1.46
2	1V	7	ASN	N-CA	-7.68	1.36	1.46
2	1Z	7	ASN	N-CA	-7.68	1.36	1.46
2	2R	7	ASN	N-CA	-7.68	1.36	1.46
2	2V	7	ASN	N-CA	-7.68	1.36	1.46
2	2Z	7	ASN	N-CA	-7.68	1.36	1.46
2	43	7	ASN	N-CA	-7.68	1.36	1.46
2	47	7	ASN	N-CA	-7.68	1.36	1.46
2	5B	7	ASN	N-CA	-7.68	1.36	1.46
2	53	7	ASN	N-CA	-7.68	1.36	1.46
2	57	7	ASN	N-CA	-7.68	1.36	1.46
2	6B	7	ASN	N-CA	-7.68	1.36	1.46
1	1E	48	TYR	CB-CG	-7.67	1.34	1.51
2	1F	43	SER	CA-C	-7.67	1.42	1.52
1	2M	48	TYR	CB-CG	-7.67	1.34	1.51
2	2N	43	SER	CA-C	-7.67	1.42	1.52
1	22	48	TYR	CB-CG	-7.67	1.34	1.51
2	23	43	SER	CA-C	-7.67	1.42	1.52
1	3M	48	TYR	CB-CG	-7.67	1.34	1.51
2	3N	43	SER	CA-C	-7.67	1.42	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	36	48	TYR	CB-CG	-7.67	1.34	1.51
2	37	43	SER	CA-C	-7.67	1.42	1.52
1	4I	48	TYR	CB-CG	-7.67	1.34	1.51
2	4J	43	SER	CA-C	-7.67	1.42	1.52
1	4Q	48	TYR	CB-CG	-7.67	1.34	1.51
2	4R	43	SER	CA-C	-7.67	1.42	1.52
1	5Y	48	TYR	CB-CG	-7.67	1.34	1.51
2	5Z	43	SER	CA-C	-7.67	1.42	1.52
1	6E	48	TYR	CB-CG	-7.67	1.34	1.51
2	6F	43	SER	CA-C	-7.67	1.42	1.52
1	6Y	48	TYR	CB-CG	-7.67	1.34	1.51
2	6Z	43	SER	CA-C	-7.67	1.42	1.52
1	7I	48	TYR	CB-CG	-7.67	1.34	1.51
2	7J	43	SER	CA-C	-7.67	1.42	1.52
1	7U	48	TYR	CB-CG	-7.67	1.34	1.51
2	7V	43	SER	CA-C	-7.67	1.42	1.52
1	1A	48	TYR	CB-CG	-7.66	1.34	1.51
1	1I	48	TYR	CB-CG	-7.66	1.34	1.51
1	1M	48	TYR	CB-CG	-7.66	1.34	1.51
1	2E	48	TYR	CB-CG	-7.66	1.34	1.51
1	2I	48	TYR	CB-CG	-7.66	1.34	1.51
1	26	48	TYR	CB-CG	-7.66	1.34	1.51
1	3A	48	TYR	CB-CG	-7.66	1.34	1.51
1	3E	48	TYR	CB-CG	-7.66	1.34	1.51
1	3I	48	TYR	CB-CG	-7.66	1.34	1.51
1	32	48	TYR	CB-CG	-7.66	1.34	1.51
1	4A	48	TYR	CB-CG	-7.66	1.34	1.51
1	4E	48	TYR	CB-CG	-7.66	1.34	1.51
1	4M	48	TYR	CB-CG	-7.66	1.34	1.51
1	4U	48	TYR	CB-CG	-7.66	1.34	1.51
1	4Y	48	TYR	CB-CG	-7.66	1.34	1.51
1	5Q	48	TYR	CB-CG	-7.66	1.34	1.51
1	5U	48	TYR	CB-CG	-7.66	1.34	1.51
1	6I	48	TYR	CB-CG	-7.66	1.34	1.51
1	6M	48	TYR	CB-CG	-7.66	1.34	1.51
1	6Q	48	TYR	CB-CG	-7.66	1.34	1.51
1	6U	48	TYR	CB-CG	-7.66	1.34	1.51
1	7E	48	TYR	CB-CG	-7.66	1.34	1.51
1	7M	48	TYR	CB-CG	-7.66	1.34	1.51
1	7Q	48	TYR	CB-CG	-7.66	1.34	1.51
1	1E	181	THR	CB-OG1	-7.66	1.31	1.43
1	12	48	TYR	CB-CG	-7.66	1.34	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	13	53	LYS	CE-NZ	-7.66	1.26	1.49
1	16	48	TYR	CB-CG	-7.66	1.34	1.51
2	17	53	LYS	CE-NZ	-7.66	1.26	1.49
1	2A	48	TYR	CB-CG	-7.66	1.34	1.51
2	2B	53	LYS	CE-NZ	-7.66	1.26	1.49
1	2M	181	THR	CB-OG1	-7.66	1.31	1.43
1	22	181	THR	CB-OG1	-7.66	1.31	1.43
1	3M	181	THR	CB-OG1	-7.66	1.31	1.43
1	3Q	48	TYR	CB-CG	-7.66	1.34	1.51
2	3R	53	LYS	CE-NZ	-7.66	1.26	1.49
1	3U	48	TYR	CB-CG	-7.66	1.34	1.51
2	3V	53	LYS	CE-NZ	-7.66	1.26	1.49
1	3Y	48	TYR	CB-CG	-7.66	1.34	1.51
2	3Z	53	LYS	CE-NZ	-7.66	1.26	1.49
1	36	181	THR	CB-OG1	-7.66	1.31	1.43
1	4I	181	THR	CB-OG1	-7.66	1.31	1.43
1	4Q	181	THR	CB-OG1	-7.66	1.31	1.43
1	5E	48	TYR	CB-CG	-7.66	1.34	1.51
2	5F	53	LYS	CE-NZ	-7.66	1.26	1.49
1	5I	48	TYR	CB-CG	-7.66	1.34	1.51
2	5J	53	LYS	CE-NZ	-7.66	1.26	1.49
1	5M	48	TYR	CB-CG	-7.66	1.34	1.51
2	5N	53	LYS	CE-NZ	-7.66	1.26	1.49
1	5Y	181	THR	CB-OG1	-7.66	1.31	1.43
1	6E	181	THR	CB-OG1	-7.66	1.31	1.43
1	6Y	181	THR	CB-OG1	-7.66	1.31	1.43
1	62	48	TYR	CB-CG	-7.66	1.34	1.51
2	63	53	LYS	CE-NZ	-7.66	1.26	1.49
1	66	48	TYR	CB-CG	-7.66	1.34	1.51
2	67	53	LYS	CE-NZ	-7.66	1.26	1.49
1	7A	48	TYR	CB-CG	-7.66	1.34	1.51
2	7B	53	LYS	CE-NZ	-7.66	1.26	1.49
1	7I	181	THR	CB-OG1	-7.66	1.31	1.43
1	7U	181	THR	CB-OG1	-7.66	1.31	1.43
1	1Q	48	TYR	CB-CG	-7.66	1.34	1.51
1	1U	48	TYR	CB-CG	-7.66	1.34	1.51
1	1Y	48	TYR	CB-CG	-7.66	1.34	1.51
1	2Q	48	TYR	CB-CG	-7.66	1.34	1.51
1	2U	48	TYR	CB-CG	-7.66	1.34	1.51
1	2Y	48	TYR	CB-CG	-7.66	1.34	1.51
1	42	48	TYR	CB-CG	-7.66	1.34	1.51
1	46	48	TYR	CB-CG	-7.66	1.34	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	48	TYR	CB-CG	-7.66	1.34	1.51
1	52	48	TYR	CB-CG	-7.66	1.34	1.51
1	56	48	TYR	CB-CG	-7.66	1.34	1.51
1	6A	48	TYR	CB-CG	-7.66	1.34	1.51
2	1B	53	LYS	CE-NZ	-7.66	1.26	1.49
2	1J	53	LYS	CE-NZ	-7.66	1.26	1.49
2	1N	227	TYR	CZ-OH	-7.66	1.22	1.38
2	2F	53	LYS	CE-NZ	-7.66	1.26	1.49
2	2J	227	TYR	CZ-OH	-7.66	1.22	1.38
2	27	53	LYS	CE-NZ	-7.66	1.26	1.49
2	3B	227	TYR	CZ-OH	-7.66	1.22	1.38
2	3F	53	LYS	CE-NZ	-7.66	1.26	1.49
2	3J	227	TYR	CZ-OH	-7.66	1.22	1.38
2	33	227	TYR	CZ-OH	-7.66	1.22	1.38
2	4B	53	LYS	CE-NZ	-7.66	1.26	1.49
2	4F	227	TYR	CZ-OH	-7.66	1.22	1.38
2	4N	53	LYS	CE-NZ	-7.66	1.26	1.49
2	4V	53	LYS	CE-NZ	-7.66	1.26	1.49
2	4Z	227	TYR	CZ-OH	-7.66	1.22	1.38
2	5R	53	LYS	CE-NZ	-7.66	1.26	1.49
2	5V	227	TYR	CZ-OH	-7.66	1.22	1.38
2	6J	53	LYS	CE-NZ	-7.66	1.26	1.49
2	6N	227	TYR	CZ-OH	-7.66	1.22	1.38
2	6R	53	LYS	CE-NZ	-7.66	1.26	1.49
2	6V	227	TYR	CZ-OH	-7.66	1.22	1.38
2	7F	227	TYR	CZ-OH	-7.66	1.22	1.38
2	7N	53	LYS	CE-NZ	-7.66	1.26	1.49
2	7R	227	TYR	CZ-OH	-7.66	1.22	1.38
1	1M	181	THR	CB-OG1	-7.65	1.31	1.43
2	1R	53	LYS	CE-NZ	-7.65	1.26	1.49
2	1V	53	LYS	CE-NZ	-7.65	1.26	1.49
2	1Z	53	LYS	CE-NZ	-7.65	1.26	1.49
1	2I	181	THR	CB-OG1	-7.65	1.31	1.43
2	2R	53	LYS	CE-NZ	-7.65	1.26	1.49
2	2V	53	LYS	CE-NZ	-7.65	1.26	1.49
2	2Z	53	LYS	CE-NZ	-7.65	1.26	1.49
1	3A	181	THR	CB-OG1	-7.65	1.31	1.43
1	3I	181	THR	CB-OG1	-7.65	1.31	1.43
1	32	181	THR	CB-OG1	-7.65	1.31	1.43
1	4E	181	THR	CB-OG1	-7.65	1.31	1.43
1	4Y	181	THR	CB-OG1	-7.65	1.31	1.43
2	43	53	LYS	CE-NZ	-7.65	1.26	1.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	53	LYS	CE-NZ	-7.65	1.26	1.49
2	5B	53	LYS	CE-NZ	-7.65	1.26	1.49
1	5U	181	THR	CB-OG1	-7.65	1.31	1.43
2	53	53	LYS	CE-NZ	-7.65	1.26	1.49
2	57	53	LYS	CE-NZ	-7.65	1.26	1.49
2	6B	53	LYS	CE-NZ	-7.65	1.26	1.49
1	6M	181	THR	CB-OG1	-7.65	1.31	1.43
1	6U	181	THR	CB-OG1	-7.65	1.31	1.43
1	7E	181	THR	CB-OG1	-7.65	1.31	1.43
1	7Q	181	THR	CB-OG1	-7.65	1.31	1.43
2	1F	53	LYS	CE-NZ	-7.65	1.26	1.49
2	2N	53	LYS	CE-NZ	-7.65	1.26	1.49
2	23	53	LYS	CE-NZ	-7.65	1.26	1.49
2	3N	53	LYS	CE-NZ	-7.65	1.26	1.49
2	37	53	LYS	CE-NZ	-7.65	1.26	1.49
2	4J	53	LYS	CE-NZ	-7.65	1.26	1.49
2	4R	53	LYS	CE-NZ	-7.65	1.26	1.49
2	5Z	53	LYS	CE-NZ	-7.65	1.26	1.49
2	6F	53	LYS	CE-NZ	-7.65	1.26	1.49
2	6Z	53	LYS	CE-NZ	-7.65	1.26	1.49
2	7J	53	LYS	CE-NZ	-7.65	1.26	1.49
2	7V	53	LYS	CE-NZ	-7.65	1.26	1.49
2	1F	7	ASN	N-CA	-7.65	1.36	1.46
2	2N	7	ASN	N-CA	-7.65	1.36	1.46
2	23	7	ASN	N-CA	-7.65	1.36	1.46
2	3N	7	ASN	N-CA	-7.65	1.36	1.46
2	37	7	ASN	N-CA	-7.65	1.36	1.46
2	4J	7	ASN	N-CA	-7.65	1.36	1.46
2	4R	7	ASN	N-CA	-7.65	1.36	1.46
2	5Z	7	ASN	N-CA	-7.65	1.36	1.46
2	6F	7	ASN	N-CA	-7.65	1.36	1.46
2	6Z	7	ASN	N-CA	-7.65	1.36	1.46
2	7J	7	ASN	N-CA	-7.65	1.36	1.46
2	7V	7	ASN	N-CA	-7.65	1.36	1.46
1	1A	145	LEU	CG-CD2	-7.65	1.27	1.52
1	1I	145	LEU	CG-CD2	-7.65	1.27	1.52
1	2E	145	LEU	CG-CD2	-7.65	1.27	1.52
1	26	145	LEU	CG-CD2	-7.65	1.27	1.52
1	3E	145	LEU	CG-CD2	-7.65	1.27	1.52
1	4A	145	LEU	CG-CD2	-7.65	1.27	1.52
1	4M	145	LEU	CG-CD2	-7.65	1.27	1.52
1	4U	145	LEU	CG-CD2	-7.65	1.27	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	145	LEU	CG-CD2	-7.65	1.27	1.52
1	6I	145	LEU	CG-CD2	-7.65	1.27	1.52
1	6Q	145	LEU	CG-CD2	-7.65	1.27	1.52
1	7M	145	LEU	CG-CD2	-7.65	1.27	1.52
1	1Q	145	LEU	CG-CD2	-7.64	1.27	1.52
1	1U	145	LEU	CG-CD2	-7.64	1.27	1.52
1	1Y	145	LEU	CG-CD2	-7.64	1.27	1.52
1	2Q	145	LEU	CG-CD2	-7.64	1.27	1.52
1	2U	145	LEU	CG-CD2	-7.64	1.27	1.52
1	2Y	145	LEU	CG-CD2	-7.64	1.27	1.52
1	42	145	LEU	CG-CD2	-7.64	1.27	1.52
1	46	145	LEU	CG-CD2	-7.64	1.27	1.52
1	5A	145	LEU	CG-CD2	-7.64	1.27	1.52
1	52	145	LEU	CG-CD2	-7.64	1.27	1.52
1	56	145	LEU	CG-CD2	-7.64	1.27	1.52
1	6A	145	LEU	CG-CD2	-7.64	1.27	1.52
1	1M	145	LEU	CG-CD2	-7.64	1.27	1.52
1	2I	145	LEU	CG-CD2	-7.64	1.27	1.52
1	3A	145	LEU	CG-CD2	-7.64	1.27	1.52
1	3I	145	LEU	CG-CD2	-7.64	1.27	1.52
1	32	145	LEU	CG-CD2	-7.64	1.27	1.52
1	4E	145	LEU	CG-CD2	-7.64	1.27	1.52
1	4Y	145	LEU	CG-CD2	-7.64	1.27	1.52
1	5U	145	LEU	CG-CD2	-7.64	1.27	1.52
1	6M	145	LEU	CG-CD2	-7.64	1.27	1.52
1	6U	145	LEU	CG-CD2	-7.64	1.27	1.52
1	7E	145	LEU	CG-CD2	-7.64	1.27	1.52
1	7Q	145	LEU	CG-CD2	-7.64	1.27	1.52
1	1A	181	THR	CB-OG1	-7.64	1.31	1.43
2	1B	227	TYR	CZ-OH	-7.64	1.22	1.38
1	1I	181	THR	CB-OG1	-7.64	1.31	1.43
2	1J	227	TYR	CZ-OH	-7.64	1.22	1.38
2	1R	227	TYR	CZ-OH	-7.64	1.22	1.38
2	1V	227	TYR	CZ-OH	-7.64	1.22	1.38
2	1Z	227	TYR	CZ-OH	-7.64	1.22	1.38
1	12	52	PHE	CE2-CZ	7.64	1.61	1.38
2	13	227	TYR	CZ-OH	-7.64	1.22	1.38
1	16	52	PHE	CE2-CZ	7.64	1.61	1.38
2	17	227	TYR	CZ-OH	-7.64	1.22	1.38
1	2A	52	PHE	CE2-CZ	7.64	1.61	1.38
2	2B	227	TYR	CZ-OH	-7.64	1.22	1.38
1	2E	181	THR	CB-OG1	-7.64	1.31	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	227	TYR	CZ-OH	-7.64	1.22	1.38
2	2R	227	TYR	CZ-OH	-7.64	1.22	1.38
2	2V	227	TYR	CZ-OH	-7.64	1.22	1.38
2	2Z	227	TYR	CZ-OH	-7.64	1.22	1.38
1	26	181	THR	CB-OG1	-7.64	1.31	1.43
2	27	227	TYR	CZ-OH	-7.64	1.22	1.38
1	3E	181	THR	CB-OG1	-7.64	1.31	1.43
2	3F	227	TYR	CZ-OH	-7.64	1.22	1.38
1	3Q	52	PHE	CE2-CZ	7.64	1.61	1.38
2	3R	227	TYR	CZ-OH	-7.64	1.22	1.38
1	3U	52	PHE	CE2-CZ	7.64	1.61	1.38
2	3V	227	TYR	CZ-OH	-7.64	1.22	1.38
1	3Y	52	PHE	CE2-CZ	7.64	1.61	1.38
2	3Z	227	TYR	CZ-OH	-7.64	1.22	1.38
1	4A	181	THR	CB-OG1	-7.64	1.31	1.43
2	4B	227	TYR	CZ-OH	-7.64	1.22	1.38
1	4M	181	THR	CB-OG1	-7.64	1.31	1.43
2	4N	227	TYR	CZ-OH	-7.64	1.22	1.38
1	4U	181	THR	CB-OG1	-7.64	1.31	1.43
2	4V	227	TYR	CZ-OH	-7.64	1.22	1.38
2	43	227	TYR	CZ-OH	-7.64	1.22	1.38
2	47	227	TYR	CZ-OH	-7.64	1.22	1.38
2	5B	227	TYR	CZ-OH	-7.64	1.22	1.38
1	5E	52	PHE	CE2-CZ	7.64	1.61	1.38
2	5F	227	TYR	CZ-OH	-7.64	1.22	1.38
1	5I	52	PHE	CE2-CZ	7.64	1.61	1.38
2	5J	227	TYR	CZ-OH	-7.64	1.22	1.38
1	5M	52	PHE	CE2-CZ	7.64	1.61	1.38
2	5N	227	TYR	CZ-OH	-7.64	1.22	1.38
1	5Q	181	THR	CB-OG1	-7.64	1.31	1.43
2	5R	227	TYR	CZ-OH	-7.64	1.22	1.38
2	53	227	TYR	CZ-OH	-7.64	1.22	1.38
2	57	227	TYR	CZ-OH	-7.64	1.22	1.38
2	6B	227	TYR	CZ-OH	-7.64	1.22	1.38
1	6I	181	THR	CB-OG1	-7.64	1.31	1.43
2	6J	227	TYR	CZ-OH	-7.64	1.22	1.38
1	6Q	181	THR	CB-OG1	-7.64	1.31	1.43
2	6R	227	TYR	CZ-OH	-7.64	1.22	1.38
1	62	52	PHE	CE2-CZ	7.64	1.61	1.38
2	63	227	TYR	CZ-OH	-7.64	1.22	1.38
1	66	52	PHE	CE2-CZ	7.64	1.61	1.38
2	67	227	TYR	CZ-OH	-7.64	1.22	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7A	52	PHE	CE2-CZ	7.64	1.61	1.38
2	7B	227	TYR	CZ-OH	-7.64	1.22	1.38
1	7M	181	THR	CB-OG1	-7.64	1.31	1.43
2	7N	227	TYR	CZ-OH	-7.64	1.22	1.38
2	1N	53	LYS	CE-NZ	-7.63	1.26	1.49
1	12	145	LEU	CG-CD2	-7.63	1.27	1.52
1	16	145	LEU	CG-CD2	-7.63	1.27	1.52
1	2A	145	LEU	CG-CD2	-7.63	1.27	1.52
2	2J	53	LYS	CE-NZ	-7.63	1.26	1.49
2	3B	53	LYS	CE-NZ	-7.63	1.26	1.49
2	3J	53	LYS	CE-NZ	-7.63	1.26	1.49
1	3Q	145	LEU	CG-CD2	-7.63	1.27	1.52
1	3U	145	LEU	CG-CD2	-7.63	1.27	1.52
1	3Y	145	LEU	CG-CD2	-7.63	1.27	1.52
2	33	53	LYS	CE-NZ	-7.63	1.26	1.49
2	4F	53	LYS	CE-NZ	-7.63	1.26	1.49
2	4Z	53	LYS	CE-NZ	-7.63	1.26	1.49
1	5E	145	LEU	CG-CD2	-7.63	1.27	1.52
1	5I	145	LEU	CG-CD2	-7.63	1.27	1.52
1	5M	145	LEU	CG-CD2	-7.63	1.27	1.52
2	5V	53	LYS	CE-NZ	-7.63	1.26	1.49
2	6N	53	LYS	CE-NZ	-7.63	1.26	1.49
2	6V	53	LYS	CE-NZ	-7.63	1.26	1.49
1	62	145	LEU	CG-CD2	-7.63	1.27	1.52
1	66	145	LEU	CG-CD2	-7.63	1.27	1.52
1	7A	145	LEU	CG-CD2	-7.63	1.27	1.52
2	7F	53	LYS	CE-NZ	-7.63	1.26	1.49
2	7R	53	LYS	CE-NZ	-7.63	1.26	1.49
1	1E	145	LEU	CG-CD2	-7.63	1.27	1.52
1	2M	145	LEU	CG-CD2	-7.63	1.27	1.52
1	22	145	LEU	CG-CD2	-7.63	1.27	1.52
1	3M	145	LEU	CG-CD2	-7.63	1.27	1.52
1	36	145	LEU	CG-CD2	-7.63	1.27	1.52
1	4I	145	LEU	CG-CD2	-7.63	1.27	1.52
1	4Q	145	LEU	CG-CD2	-7.63	1.27	1.52
1	5Y	145	LEU	CG-CD2	-7.63	1.27	1.52
1	6E	145	LEU	CG-CD2	-7.63	1.27	1.52
1	6Y	145	LEU	CG-CD2	-7.63	1.27	1.52
1	7I	145	LEU	CG-CD2	-7.63	1.27	1.52
1	7U	145	LEU	CG-CD2	-7.63	1.27	1.52
1	12	181	THR	CB-OG1	-7.63	1.31	1.43
1	16	181	THR	CB-OG1	-7.63	1.31	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	181	THR	CB-OG1	-7.63	1.31	1.43
1	3Q	181	THR	CB-OG1	-7.63	1.31	1.43
1	3U	181	THR	CB-OG1	-7.63	1.31	1.43
1	3Y	181	THR	CB-OG1	-7.63	1.31	1.43
1	5E	181	THR	CB-OG1	-7.63	1.31	1.43
1	5I	181	THR	CB-OG1	-7.63	1.31	1.43
1	5M	181	THR	CB-OG1	-7.63	1.31	1.43
1	62	181	THR	CB-OG1	-7.63	1.31	1.43
1	66	181	THR	CB-OG1	-7.63	1.31	1.43
1	7A	181	THR	CB-OG1	-7.63	1.31	1.43
1	1M	52	PHE	CE2-CZ	7.63	1.61	1.38
1	2I	52	PHE	CE2-CZ	7.63	1.61	1.38
1	3A	52	PHE	CE2-CZ	7.63	1.61	1.38
1	3I	52	PHE	CE2-CZ	7.63	1.61	1.38
1	32	52	PHE	CE2-CZ	7.63	1.61	1.38
1	4E	52	PHE	CE2-CZ	7.63	1.61	1.38
1	4Y	52	PHE	CE2-CZ	7.63	1.61	1.38
1	5U	52	PHE	CE2-CZ	7.63	1.61	1.38
1	6M	52	PHE	CE2-CZ	7.63	1.61	1.38
1	6U	52	PHE	CE2-CZ	7.63	1.61	1.38
1	7E	52	PHE	CE2-CZ	7.63	1.61	1.38
1	7Q	52	PHE	CE2-CZ	7.63	1.61	1.38
2	1F	227	TYR	CZ-OH	-7.62	1.22	1.38
2	2N	227	TYR	CZ-OH	-7.62	1.22	1.38
2	23	227	TYR	CZ-OH	-7.62	1.22	1.38
2	3N	227	TYR	CZ-OH	-7.62	1.22	1.38
2	37	227	TYR	CZ-OH	-7.62	1.22	1.38
2	4J	227	TYR	CZ-OH	-7.62	1.22	1.38
2	4R	227	TYR	CZ-OH	-7.62	1.22	1.38
2	5Z	227	TYR	CZ-OH	-7.62	1.22	1.38
2	6F	227	TYR	CZ-OH	-7.62	1.22	1.38
2	6Z	227	TYR	CZ-OH	-7.62	1.22	1.38
2	7J	227	TYR	CZ-OH	-7.62	1.22	1.38
2	7V	227	TYR	CZ-OH	-7.62	1.22	1.38
1	1A	52	PHE	CE2-CZ	7.61	1.61	1.38
1	1I	52	PHE	CE2-CZ	7.61	1.61	1.38
1	1Q	52	PHE	CE2-CZ	7.61	1.61	1.38
1	1U	52	PHE	CE2-CZ	7.61	1.61	1.38
1	1Y	52	PHE	CE2-CZ	7.61	1.61	1.38
2	13	7	ASN	N-CA	-7.61	1.36	1.46
2	17	7	ASN	N-CA	-7.61	1.36	1.46
2	2B	7	ASN	N-CA	-7.61	1.36	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	52	PHE	CE2-CZ	7.61	1.61	1.38
1	2Q	52	PHE	CE2-CZ	7.61	1.61	1.38
1	2U	52	PHE	CE2-CZ	7.61	1.61	1.38
1	2Y	52	PHE	CE2-CZ	7.61	1.61	1.38
1	26	52	PHE	CE2-CZ	7.61	1.61	1.38
1	3E	52	PHE	CE2-CZ	7.61	1.61	1.38
2	3R	7	ASN	N-CA	-7.61	1.36	1.46
2	3V	7	ASN	N-CA	-7.61	1.36	1.46
2	3Z	7	ASN	N-CA	-7.61	1.36	1.46
1	4A	52	PHE	CE2-CZ	7.61	1.61	1.38
1	4M	52	PHE	CE2-CZ	7.61	1.61	1.38
1	4U	52	PHE	CE2-CZ	7.61	1.61	1.38
1	42	52	PHE	CE2-CZ	7.61	1.61	1.38
1	46	52	PHE	CE2-CZ	7.61	1.61	1.38
1	5A	52	PHE	CE2-CZ	7.61	1.61	1.38
2	5F	7	ASN	N-CA	-7.61	1.36	1.46
2	5J	7	ASN	N-CA	-7.61	1.36	1.46
2	5N	7	ASN	N-CA	-7.61	1.36	1.46
1	5Q	52	PHE	CE2-CZ	7.61	1.61	1.38
1	52	52	PHE	CE2-CZ	7.61	1.61	1.38
1	56	52	PHE	CE2-CZ	7.61	1.61	1.38
1	6A	52	PHE	CE2-CZ	7.61	1.61	1.38
1	6I	52	PHE	CE2-CZ	7.61	1.61	1.38
1	6Q	52	PHE	CE2-CZ	7.61	1.61	1.38
2	63	7	ASN	N-CA	-7.61	1.36	1.46
2	67	7	ASN	N-CA	-7.61	1.36	1.46
2	7B	7	ASN	N-CA	-7.61	1.36	1.46
1	7M	52	PHE	CE2-CZ	7.61	1.61	1.38
2	1B	7	ASN	N-CA	-7.61	1.36	1.46
2	1J	7	ASN	N-CA	-7.61	1.36	1.46
1	1Q	181	THR	CB-OG1	-7.61	1.31	1.43
1	1U	181	THR	CB-OG1	-7.61	1.31	1.43
1	1Y	181	THR	CB-OG1	-7.61	1.31	1.43
2	2F	7	ASN	N-CA	-7.61	1.36	1.46
1	2Q	181	THR	CB-OG1	-7.61	1.31	1.43
1	2U	181	THR	CB-OG1	-7.61	1.31	1.43
1	2Y	181	THR	CB-OG1	-7.61	1.31	1.43
2	27	7	ASN	N-CA	-7.61	1.36	1.46
2	3F	7	ASN	N-CA	-7.61	1.36	1.46
2	4B	7	ASN	N-CA	-7.61	1.36	1.46
2	4N	7	ASN	N-CA	-7.61	1.36	1.46
2	4V	7	ASN	N-CA	-7.61	1.36	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	42	181	THR	CB-OG1	-7.61	1.31	1.43
1	46	181	THR	CB-OG1	-7.61	1.31	1.43
1	5A	181	THR	CB-OG1	-7.61	1.31	1.43
2	5R	7	ASN	N-CA	-7.61	1.36	1.46
1	52	181	THR	CB-OG1	-7.61	1.31	1.43
1	56	181	THR	CB-OG1	-7.61	1.31	1.43
1	6A	181	THR	CB-OG1	-7.61	1.31	1.43
2	6J	7	ASN	N-CA	-7.61	1.36	1.46
2	6R	7	ASN	N-CA	-7.61	1.36	1.46
2	7N	7	ASN	N-CA	-7.61	1.36	1.46
2	1N	7	ASN	N-CA	-7.61	1.36	1.46
2	2J	7	ASN	N-CA	-7.61	1.36	1.46
2	3B	7	ASN	N-CA	-7.61	1.36	1.46
2	3J	7	ASN	N-CA	-7.61	1.36	1.46
2	33	7	ASN	N-CA	-7.61	1.36	1.46
2	4F	7	ASN	N-CA	-7.61	1.36	1.46
2	4Z	7	ASN	N-CA	-7.61	1.36	1.46
2	5V	7	ASN	N-CA	-7.61	1.36	1.46
2	6N	7	ASN	N-CA	-7.61	1.36	1.46
2	6V	7	ASN	N-CA	-7.61	1.36	1.46
2	7F	7	ASN	N-CA	-7.61	1.36	1.46
2	7R	7	ASN	N-CA	-7.61	1.36	1.46
1	1E	52	PHE	CE2-CZ	7.61	1.61	1.38
1	2M	52	PHE	CE2-CZ	7.61	1.61	1.38
1	22	52	PHE	CE2-CZ	7.61	1.61	1.38
1	3M	52	PHE	CE2-CZ	7.61	1.61	1.38
1	36	52	PHE	CE2-CZ	7.61	1.61	1.38
1	4I	52	PHE	CE2-CZ	7.61	1.61	1.38
1	4Q	52	PHE	CE2-CZ	7.61	1.61	1.38
1	5Y	52	PHE	CE2-CZ	7.61	1.61	1.38
1	6E	52	PHE	CE2-CZ	7.61	1.61	1.38
1	6Y	52	PHE	CE2-CZ	7.61	1.61	1.38
1	7I	52	PHE	CE2-CZ	7.61	1.61	1.38
1	7U	52	PHE	CE2-CZ	7.61	1.61	1.38
2	1N	214	PHE	C-N	7.59	1.45	1.33
2	2J	214	PHE	C-N	7.59	1.45	1.33
2	3B	214	PHE	C-N	7.59	1.45	1.33
2	3J	214	PHE	C-N	7.59	1.45	1.33
2	33	214	PHE	C-N	7.59	1.45	1.33
2	4F	214	PHE	C-N	7.59	1.45	1.33
2	4Z	214	PHE	C-N	7.59	1.45	1.33
2	5V	214	PHE	C-N	7.59	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	214	PHE	C-N	7.59	1.45	1.33
2	6V	214	PHE	C-N	7.59	1.45	1.33
2	7F	214	PHE	C-N	7.59	1.45	1.33
2	7R	214	PHE	C-N	7.59	1.45	1.33
2	1R	40	ASN	CA-CB	7.59	1.66	1.53
2	1V	40	ASN	CA-CB	7.59	1.66	1.53
2	1Z	40	ASN	CA-CB	7.59	1.66	1.53
2	2R	40	ASN	CA-CB	7.59	1.66	1.53
2	2V	40	ASN	CA-CB	7.59	1.66	1.53
2	2Z	40	ASN	CA-CB	7.59	1.66	1.53
2	43	40	ASN	CA-CB	7.59	1.66	1.53
2	47	40	ASN	CA-CB	7.59	1.66	1.53
2	5B	40	ASN	CA-CB	7.59	1.66	1.53
2	53	40	ASN	CA-CB	7.59	1.66	1.53
2	57	40	ASN	CA-CB	7.59	1.66	1.53
2	6B	40	ASN	CA-CB	7.59	1.66	1.53
2	13	60	ARG	C-N	-7.58	1.23	1.33
2	17	60	ARG	C-N	-7.58	1.23	1.33
2	2B	60	ARG	C-N	-7.58	1.23	1.33
2	3R	60	ARG	C-N	-7.58	1.23	1.33
2	3V	60	ARG	C-N	-7.58	1.23	1.33
2	3Z	60	ARG	C-N	-7.58	1.23	1.33
2	5F	60	ARG	C-N	-7.58	1.23	1.33
2	5J	60	ARG	C-N	-7.58	1.23	1.33
2	5N	60	ARG	C-N	-7.58	1.23	1.33
2	63	60	ARG	C-N	-7.58	1.23	1.33
2	67	60	ARG	C-N	-7.58	1.23	1.33
2	7B	60	ARG	C-N	-7.58	1.23	1.33
2	1N	60	ARG	C-N	-7.58	1.23	1.33
2	2J	60	ARG	C-N	-7.58	1.23	1.33
2	3B	60	ARG	C-N	-7.58	1.23	1.33
2	3J	60	ARG	C-N	-7.58	1.23	1.33
2	33	60	ARG	C-N	-7.58	1.23	1.33
2	4F	60	ARG	C-N	-7.58	1.23	1.33
2	4Z	60	ARG	C-N	-7.58	1.23	1.33
2	5V	60	ARG	C-N	-7.58	1.23	1.33
2	6N	60	ARG	C-N	-7.58	1.23	1.33
2	6V	60	ARG	C-N	-7.58	1.23	1.33
2	7F	60	ARG	C-N	-7.58	1.23	1.33
2	7R	60	ARG	C-N	-7.58	1.23	1.33
2	1R	214	PHE	C-N	7.58	1.45	1.33
2	1V	214	PHE	C-N	7.58	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	214	PHE	C-N	7.58	1.45	1.33
2	2R	214	PHE	C-N	7.58	1.45	1.33
2	2V	214	PHE	C-N	7.58	1.45	1.33
2	2Z	214	PHE	C-N	7.58	1.45	1.33
2	43	214	PHE	C-N	7.58	1.45	1.33
2	47	214	PHE	C-N	7.58	1.45	1.33
2	5B	214	PHE	C-N	7.58	1.45	1.33
2	53	214	PHE	C-N	7.58	1.45	1.33
2	57	214	PHE	C-N	7.58	1.45	1.33
2	6B	214	PHE	C-N	7.58	1.45	1.33
2	13	214	PHE	C-N	7.58	1.45	1.33
2	17	214	PHE	C-N	7.58	1.45	1.33
2	2B	214	PHE	C-N	7.58	1.45	1.33
2	3R	214	PHE	C-N	7.58	1.45	1.33
2	3V	214	PHE	C-N	7.58	1.45	1.33
2	3Z	214	PHE	C-N	7.58	1.45	1.33
2	5F	214	PHE	C-N	7.58	1.45	1.33
2	5J	214	PHE	C-N	7.58	1.45	1.33
2	5N	214	PHE	C-N	7.58	1.45	1.33
2	63	214	PHE	C-N	7.58	1.45	1.33
2	67	214	PHE	C-N	7.58	1.45	1.33
2	7B	214	PHE	C-N	7.58	1.45	1.33
2	1R	60	ARG	C-N	-7.58	1.23	1.33
2	1V	60	ARG	C-N	-7.58	1.23	1.33
2	1Z	60	ARG	C-N	-7.58	1.23	1.33
2	2R	60	ARG	C-N	-7.58	1.23	1.33
2	2V	60	ARG	C-N	-7.58	1.23	1.33
2	2Z	60	ARG	C-N	-7.58	1.23	1.33
2	43	60	ARG	C-N	-7.58	1.23	1.33
2	47	60	ARG	C-N	-7.58	1.23	1.33
2	5B	60	ARG	C-N	-7.58	1.23	1.33
2	53	60	ARG	C-N	-7.58	1.23	1.33
2	57	60	ARG	C-N	-7.58	1.23	1.33
2	6B	60	ARG	C-N	-7.58	1.23	1.33
2	1F	60	ARG	C-N	-7.57	1.23	1.33
2	1F	214	PHE	C-N	7.57	1.45	1.33
2	2N	60	ARG	C-N	-7.57	1.23	1.33
2	2N	214	PHE	C-N	7.57	1.45	1.33
2	23	60	ARG	C-N	-7.57	1.23	1.33
2	23	214	PHE	C-N	7.57	1.45	1.33
2	3N	60	ARG	C-N	-7.57	1.23	1.33
2	3N	214	PHE	C-N	7.57	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	37	60	ARG	C-N	-7.57	1.23	1.33
2	37	214	PHE	C-N	7.57	1.45	1.33
2	4J	60	ARG	C-N	-7.57	1.23	1.33
2	4J	214	PHE	C-N	7.57	1.45	1.33
2	4R	60	ARG	C-N	-7.57	1.23	1.33
2	4R	214	PHE	C-N	7.57	1.45	1.33
2	5Z	60	ARG	C-N	-7.57	1.23	1.33
2	5Z	214	PHE	C-N	7.57	1.45	1.33
2	6F	60	ARG	C-N	-7.57	1.23	1.33
2	6F	214	PHE	C-N	7.57	1.45	1.33
2	6Z	60	ARG	C-N	-7.57	1.23	1.33
2	6Z	214	PHE	C-N	7.57	1.45	1.33
2	7J	60	ARG	C-N	-7.57	1.23	1.33
2	7J	214	PHE	C-N	7.57	1.45	1.33
2	7V	60	ARG	C-N	-7.57	1.23	1.33
2	7V	214	PHE	C-N	7.57	1.45	1.33
2	1B	40	ASN	CA-CB	7.57	1.66	1.53
2	1B	60	ARG	C-N	-7.57	1.23	1.33
2	1J	40	ASN	CA-CB	7.57	1.66	1.53
2	1J	60	ARG	C-N	-7.57	1.23	1.33
2	2F	40	ASN	CA-CB	7.57	1.66	1.53
2	2F	60	ARG	C-N	-7.57	1.23	1.33
2	27	40	ASN	CA-CB	7.57	1.66	1.53
2	27	60	ARG	C-N	-7.57	1.23	1.33
2	3F	40	ASN	CA-CB	7.57	1.66	1.53
2	3F	60	ARG	C-N	-7.57	1.23	1.33
2	4B	40	ASN	CA-CB	7.57	1.66	1.53
2	4B	60	ARG	C-N	-7.57	1.23	1.33
2	4N	40	ASN	CA-CB	7.57	1.66	1.53
2	4N	60	ARG	C-N	-7.57	1.23	1.33
2	4V	40	ASN	CA-CB	7.57	1.66	1.53
2	4V	60	ARG	C-N	-7.57	1.23	1.33
2	5R	40	ASN	CA-CB	7.57	1.66	1.53
2	5R	60	ARG	C-N	-7.57	1.23	1.33
2	6J	40	ASN	CA-CB	7.57	1.66	1.53
2	6J	60	ARG	C-N	-7.57	1.23	1.33
2	6R	40	ASN	CA-CB	7.57	1.66	1.53
2	6R	60	ARG	C-N	-7.57	1.23	1.33
2	7N	40	ASN	CA-CB	7.57	1.66	1.53
2	7N	60	ARG	C-N	-7.57	1.23	1.33
2	13	40	ASN	CA-CB	7.56	1.66	1.53
2	17	40	ASN	CA-CB	7.56	1.66	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	40	ASN	CA-CB	7.56	1.66	1.53
2	3R	40	ASN	CA-CB	7.56	1.66	1.53
2	3V	40	ASN	CA-CB	7.56	1.66	1.53
2	3Z	40	ASN	CA-CB	7.56	1.66	1.53
2	5F	40	ASN	CA-CB	7.56	1.66	1.53
2	5J	40	ASN	CA-CB	7.56	1.66	1.53
2	5N	40	ASN	CA-CB	7.56	1.66	1.53
2	63	40	ASN	CA-CB	7.56	1.66	1.53
2	67	40	ASN	CA-CB	7.56	1.66	1.53
2	7B	40	ASN	CA-CB	7.56	1.66	1.53
2	1F	40	ASN	CA-CB	7.56	1.66	1.53
2	2N	40	ASN	CA-CB	7.56	1.66	1.53
2	23	40	ASN	CA-CB	7.56	1.66	1.53
2	3N	40	ASN	CA-CB	7.56	1.66	1.53
2	37	40	ASN	CA-CB	7.56	1.66	1.53
2	4J	40	ASN	CA-CB	7.56	1.66	1.53
2	4R	40	ASN	CA-CB	7.56	1.66	1.53
2	5Z	40	ASN	CA-CB	7.56	1.66	1.53
2	6F	40	ASN	CA-CB	7.56	1.66	1.53
2	6Z	40	ASN	CA-CB	7.56	1.66	1.53
2	7J	40	ASN	CA-CB	7.56	1.66	1.53
2	7V	40	ASN	CA-CB	7.56	1.66	1.53
2	1B	214	PHE	C-N	7.56	1.45	1.33
2	1J	214	PHE	C-N	7.56	1.45	1.33
2	1N	40	ASN	CA-CB	7.56	1.66	1.53
2	2F	214	PHE	C-N	7.56	1.45	1.33
2	2J	40	ASN	CA-CB	7.56	1.66	1.53
2	27	214	PHE	C-N	7.56	1.45	1.33
2	3B	40	ASN	CA-CB	7.56	1.66	1.53
2	3F	214	PHE	C-N	7.56	1.45	1.33
2	3J	40	ASN	CA-CB	7.56	1.66	1.53
2	33	40	ASN	CA-CB	7.56	1.66	1.53
2	4B	214	PHE	C-N	7.56	1.45	1.33
2	4F	40	ASN	CA-CB	7.56	1.66	1.53
2	4N	214	PHE	C-N	7.56	1.45	1.33
2	4V	214	PHE	C-N	7.56	1.45	1.33
2	4Z	40	ASN	CA-CB	7.56	1.66	1.53
2	5R	214	PHE	C-N	7.56	1.45	1.33
2	5V	40	ASN	CA-CB	7.56	1.66	1.53
2	6J	214	PHE	C-N	7.56	1.45	1.33
2	6N	40	ASN	CA-CB	7.56	1.66	1.53
2	6R	214	PHE	C-N	7.56	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6V	40	ASN	CA-CB	7.56	1.66	1.53
2	7F	40	ASN	CA-CB	7.56	1.66	1.53
2	7N	214	PHE	C-N	7.56	1.45	1.33
2	7R	40	ASN	CA-CB	7.56	1.66	1.53
1	1E	172	PHE	CD1-CE1	-7.56	1.16	1.38
1	2M	172	PHE	CD1-CE1	-7.56	1.16	1.38
1	22	172	PHE	CD1-CE1	-7.56	1.16	1.38
1	3M	172	PHE	CD1-CE1	-7.56	1.16	1.38
1	36	172	PHE	CD1-CE1	-7.56	1.16	1.38
1	4I	172	PHE	CD1-CE1	-7.56	1.16	1.38
1	4Q	172	PHE	CD1-CE1	-7.56	1.16	1.38
1	5Y	172	PHE	CD1-CE1	-7.56	1.16	1.38
1	6E	172	PHE	CD1-CE1	-7.56	1.16	1.38
1	6Y	172	PHE	CD1-CE1	-7.56	1.16	1.38
1	7I	172	PHE	CD1-CE1	-7.56	1.16	1.38
1	7U	172	PHE	CD1-CE1	-7.56	1.16	1.38
1	1A	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	1I	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	12	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	16	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	2A	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	2E	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	26	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	3E	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	3Q	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	3U	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	3Y	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	4A	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	4M	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	4U	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	5E	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	5I	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	5M	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	5Q	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	6I	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	6Q	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	62	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	66	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	7A	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	7M	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	1M	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	2I	172	PHE	CD1-CE1	-7.55	1.16	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	3I	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	32	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	4E	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	4Y	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	5U	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	6M	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	6U	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	7E	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	7Q	172	PHE	CD1-CE1	-7.55	1.16	1.38
1	1Q	172	PHE	CD1-CE1	-7.54	1.16	1.38
1	1U	172	PHE	CD1-CE1	-7.54	1.16	1.38
1	1Y	172	PHE	CD1-CE1	-7.54	1.16	1.38
1	2Q	172	PHE	CD1-CE1	-7.54	1.16	1.38
1	2U	172	PHE	CD1-CE1	-7.54	1.16	1.38
1	2Y	172	PHE	CD1-CE1	-7.54	1.16	1.38
1	42	172	PHE	CD1-CE1	-7.54	1.16	1.38
1	46	172	PHE	CD1-CE1	-7.54	1.16	1.38
1	5A	172	PHE	CD1-CE1	-7.54	1.16	1.38
1	52	172	PHE	CD1-CE1	-7.54	1.16	1.38
1	56	172	PHE	CD1-CE1	-7.54	1.16	1.38
1	6A	172	PHE	CD1-CE1	-7.54	1.16	1.38
2	13	75	GLN	CD-NE2	7.54	1.49	1.33
2	17	75	GLN	CD-NE2	7.54	1.49	1.33
2	2B	75	GLN	CD-NE2	7.54	1.49	1.33
2	3R	75	GLN	CD-NE2	7.54	1.49	1.33
2	3V	75	GLN	CD-NE2	7.54	1.49	1.33
2	3Z	75	GLN	CD-NE2	7.54	1.49	1.33
2	5F	75	GLN	CD-NE2	7.54	1.49	1.33
2	5J	75	GLN	CD-NE2	7.54	1.49	1.33
2	5N	75	GLN	CD-NE2	7.54	1.49	1.33
2	63	75	GLN	CD-NE2	7.54	1.49	1.33
2	67	75	GLN	CD-NE2	7.54	1.49	1.33
2	7B	75	GLN	CD-NE2	7.54	1.49	1.33
1	1A	166	MET	CG-SD	-7.54	1.61	1.80
1	1I	166	MET	CG-SD	-7.54	1.61	1.80
2	1R	75	GLN	CD-NE2	7.54	1.49	1.33
2	1V	75	GLN	CD-NE2	7.54	1.49	1.33
2	1Z	75	GLN	CD-NE2	7.54	1.49	1.33
1	2E	166	MET	CG-SD	-7.54	1.61	1.80
2	2R	75	GLN	CD-NE2	7.54	1.49	1.33
2	2V	75	GLN	CD-NE2	7.54	1.49	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2Z	75	GLN	CD-NE2	7.54	1.49	1.33
1	26	166	MET	CG-SD	-7.54	1.61	1.80
1	3E	166	MET	CG-SD	-7.54	1.61	1.80
1	4A	166	MET	CG-SD	-7.54	1.61	1.80
1	4M	166	MET	CG-SD	-7.54	1.61	1.80
1	4U	166	MET	CG-SD	-7.54	1.61	1.80
2	43	75	GLN	CD-NE2	7.54	1.49	1.33
2	47	75	GLN	CD-NE2	7.54	1.49	1.33
2	5B	75	GLN	CD-NE2	7.54	1.49	1.33
1	5Q	166	MET	CG-SD	-7.54	1.61	1.80
2	53	75	GLN	CD-NE2	7.54	1.49	1.33
2	57	75	GLN	CD-NE2	7.54	1.49	1.33
2	6B	75	GLN	CD-NE2	7.54	1.49	1.33
1	6I	166	MET	CG-SD	-7.54	1.61	1.80
1	6Q	166	MET	CG-SD	-7.54	1.61	1.80
1	7M	166	MET	CG-SD	-7.54	1.61	1.80
2	1B	75	GLN	CD-NE2	7.53	1.49	1.33
2	1J	75	GLN	CD-NE2	7.53	1.49	1.33
2	1N	75	GLN	CD-NE2	7.53	1.49	1.33
2	2F	75	GLN	CD-NE2	7.53	1.49	1.33
2	2J	75	GLN	CD-NE2	7.53	1.49	1.33
2	27	75	GLN	CD-NE2	7.53	1.49	1.33
2	3B	75	GLN	CD-NE2	7.53	1.49	1.33
2	3F	75	GLN	CD-NE2	7.53	1.49	1.33
2	3J	75	GLN	CD-NE2	7.53	1.49	1.33
2	33	75	GLN	CD-NE2	7.53	1.49	1.33
2	4B	75	GLN	CD-NE2	7.53	1.49	1.33
2	4F	75	GLN	CD-NE2	7.53	1.49	1.33
2	4N	75	GLN	CD-NE2	7.53	1.49	1.33
2	4V	75	GLN	CD-NE2	7.53	1.49	1.33
2	4Z	75	GLN	CD-NE2	7.53	1.49	1.33
2	5R	75	GLN	CD-NE2	7.53	1.49	1.33
2	5V	75	GLN	CD-NE2	7.53	1.49	1.33
2	6J	75	GLN	CD-NE2	7.53	1.49	1.33
2	6N	75	GLN	CD-NE2	7.53	1.49	1.33
2	6R	75	GLN	CD-NE2	7.53	1.49	1.33
2	6V	75	GLN	CD-NE2	7.53	1.49	1.33
2	7F	75	GLN	CD-NE2	7.53	1.49	1.33
2	7N	75	GLN	CD-NE2	7.53	1.49	1.33
2	7R	75	GLN	CD-NE2	7.53	1.49	1.33
1	12	166	MET	CG-SD	-7.53	1.61	1.80
1	16	166	MET	CG-SD	-7.53	1.61	1.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	166	MET	CG-SD	-7.53	1.61	1.80
1	3Q	166	MET	CG-SD	-7.53	1.61	1.80
1	3U	166	MET	CG-SD	-7.53	1.61	1.80
1	3Y	166	MET	CG-SD	-7.53	1.61	1.80
1	5E	166	MET	CG-SD	-7.53	1.61	1.80
1	5I	166	MET	CG-SD	-7.53	1.61	1.80
1	5M	166	MET	CG-SD	-7.53	1.61	1.80
1	62	166	MET	CG-SD	-7.53	1.61	1.80
1	66	166	MET	CG-SD	-7.53	1.61	1.80
1	7A	166	MET	CG-SD	-7.53	1.61	1.80
2	1F	75	GLN	CD-NE2	7.53	1.49	1.33
1	1Q	166	MET	CG-SD	-7.53	1.61	1.80
1	1U	166	MET	CG-SD	-7.53	1.61	1.80
1	1Y	166	MET	CG-SD	-7.53	1.61	1.80
2	2N	75	GLN	CD-NE2	7.53	1.49	1.33
1	2Q	166	MET	CG-SD	-7.53	1.61	1.80
1	2U	166	MET	CG-SD	-7.53	1.61	1.80
1	2Y	166	MET	CG-SD	-7.53	1.61	1.80
2	23	75	GLN	CD-NE2	7.53	1.49	1.33
2	3N	75	GLN	CD-NE2	7.53	1.49	1.33
2	37	75	GLN	CD-NE2	7.53	1.49	1.33
2	4J	75	GLN	CD-NE2	7.53	1.49	1.33
2	4R	75	GLN	CD-NE2	7.53	1.49	1.33
1	42	166	MET	CG-SD	-7.53	1.61	1.80
1	46	166	MET	CG-SD	-7.53	1.61	1.80
1	5A	166	MET	CG-SD	-7.53	1.61	1.80
2	5Z	75	GLN	CD-NE2	7.53	1.49	1.33
1	52	166	MET	CG-SD	-7.53	1.61	1.80
1	56	166	MET	CG-SD	-7.53	1.61	1.80
1	6A	166	MET	CG-SD	-7.53	1.61	1.80
2	6F	75	GLN	CD-NE2	7.53	1.49	1.33
2	6Z	75	GLN	CD-NE2	7.53	1.49	1.33
2	7J	75	GLN	CD-NE2	7.53	1.49	1.33
2	7V	75	GLN	CD-NE2	7.53	1.49	1.33
1	1A	17	THR	CA-C	-7.52	1.43	1.52
1	1I	17	THR	CA-C	-7.52	1.43	1.52
1	2E	17	THR	CA-C	-7.52	1.43	1.52
1	26	17	THR	CA-C	-7.52	1.43	1.52
1	3E	17	THR	CA-C	-7.52	1.43	1.52
1	4A	17	THR	CA-C	-7.52	1.43	1.52
1	4M	17	THR	CA-C	-7.52	1.43	1.52
1	4U	17	THR	CA-C	-7.52	1.43	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	17	THR	CA-C	-7.52	1.43	1.52
1	6I	17	THR	CA-C	-7.52	1.43	1.52
1	6Q	17	THR	CA-C	-7.52	1.43	1.52
1	7M	17	THR	CA-C	-7.52	1.43	1.52
1	1E	166	MET	CG-SD	-7.52	1.61	1.80
1	1Q	17	THR	CA-C	-7.52	1.43	1.52
1	1U	17	THR	CA-C	-7.52	1.43	1.52
1	1Y	17	THR	CA-C	-7.52	1.43	1.52
1	2M	166	MET	CG-SD	-7.52	1.61	1.80
1	2Q	17	THR	CA-C	-7.52	1.43	1.52
1	2U	17	THR	CA-C	-7.52	1.43	1.52
1	2Y	17	THR	CA-C	-7.52	1.43	1.52
1	22	166	MET	CG-SD	-7.52	1.61	1.80
1	3M	166	MET	CG-SD	-7.52	1.61	1.80
1	36	166	MET	CG-SD	-7.52	1.61	1.80
1	4I	166	MET	CG-SD	-7.52	1.61	1.80
1	4Q	166	MET	CG-SD	-7.52	1.61	1.80
1	42	17	THR	CA-C	-7.52	1.43	1.52
1	46	17	THR	CA-C	-7.52	1.43	1.52
1	5A	17	THR	CA-C	-7.52	1.43	1.52
1	5Y	166	MET	CG-SD	-7.52	1.61	1.80
1	52	17	THR	CA-C	-7.52	1.43	1.52
1	56	17	THR	CA-C	-7.52	1.43	1.52
1	6A	17	THR	CA-C	-7.52	1.43	1.52
1	6E	166	MET	CG-SD	-7.52	1.61	1.80
1	6Y	166	MET	CG-SD	-7.52	1.61	1.80
1	7I	166	MET	CG-SD	-7.52	1.61	1.80
1	7U	166	MET	CG-SD	-7.52	1.61	1.80
2	1B	41	PHE	CD2-CE2	7.50	1.61	1.38
2	1J	41	PHE	CD2-CE2	7.50	1.61	1.38
1	1M	166	MET	CG-SD	-7.50	1.61	1.80
2	2F	41	PHE	CD2-CE2	7.50	1.61	1.38
1	2I	166	MET	CG-SD	-7.50	1.61	1.80
2	27	41	PHE	CD2-CE2	7.50	1.61	1.38
1	3A	166	MET	CG-SD	-7.50	1.61	1.80
2	3F	41	PHE	CD2-CE2	7.50	1.61	1.38
1	3I	166	MET	CG-SD	-7.50	1.61	1.80
1	32	166	MET	CG-SD	-7.50	1.61	1.80
2	4B	41	PHE	CD2-CE2	7.50	1.61	1.38
1	4E	166	MET	CG-SD	-7.50	1.61	1.80
2	4N	41	PHE	CD2-CE2	7.50	1.61	1.38
2	4V	41	PHE	CD2-CE2	7.50	1.61	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4Y	166	MET	CG-SD	-7.50	1.61	1.80
2	5R	41	PHE	CD2-CE2	7.50	1.61	1.38
1	5U	166	MET	CG-SD	-7.50	1.61	1.80
2	6J	41	PHE	CD2-CE2	7.50	1.61	1.38
1	6M	166	MET	CG-SD	-7.50	1.61	1.80
2	6R	41	PHE	CD2-CE2	7.50	1.61	1.38
1	6U	166	MET	CG-SD	-7.50	1.61	1.80
1	7E	166	MET	CG-SD	-7.50	1.61	1.80
2	7N	41	PHE	CD2-CE2	7.50	1.61	1.38
1	7Q	166	MET	CG-SD	-7.50	1.61	1.80
2	1F	41	PHE	CD2-CE2	7.50	1.61	1.38
2	13	41	PHE	CD2-CE2	7.50	1.61	1.38
2	17	41	PHE	CD2-CE2	7.50	1.61	1.38
2	2B	41	PHE	CD2-CE2	7.50	1.61	1.38
2	2N	41	PHE	CD2-CE2	7.50	1.61	1.38
2	23	41	PHE	CD2-CE2	7.50	1.61	1.38
2	3N	41	PHE	CD2-CE2	7.50	1.61	1.38
2	3R	41	PHE	CD2-CE2	7.50	1.61	1.38
2	3V	41	PHE	CD2-CE2	7.50	1.61	1.38
2	3Z	41	PHE	CD2-CE2	7.50	1.61	1.38
2	37	41	PHE	CD2-CE2	7.50	1.61	1.38
2	4J	41	PHE	CD2-CE2	7.50	1.61	1.38
2	4R	41	PHE	CD2-CE2	7.50	1.61	1.38
2	5F	41	PHE	CD2-CE2	7.50	1.61	1.38
2	5J	41	PHE	CD2-CE2	7.50	1.61	1.38
2	5N	41	PHE	CD2-CE2	7.50	1.61	1.38
2	5Z	41	PHE	CD2-CE2	7.50	1.61	1.38
2	6F	41	PHE	CD2-CE2	7.50	1.61	1.38
2	6Z	41	PHE	CD2-CE2	7.50	1.61	1.38
2	63	41	PHE	CD2-CE2	7.50	1.61	1.38
2	67	41	PHE	CD2-CE2	7.50	1.61	1.38
2	7B	41	PHE	CD2-CE2	7.50	1.61	1.38
2	7J	41	PHE	CD2-CE2	7.50	1.61	1.38
2	7V	41	PHE	CD2-CE2	7.50	1.61	1.38
1	1E	17	THR	CA-C	-7.50	1.43	1.52
1	2M	17	THR	CA-C	-7.50	1.43	1.52
1	22	17	THR	CA-C	-7.50	1.43	1.52
1	3M	17	THR	CA-C	-7.50	1.43	1.52
1	36	17	THR	CA-C	-7.50	1.43	1.52
1	4I	17	THR	CA-C	-7.50	1.43	1.52
1	4Q	17	THR	CA-C	-7.50	1.43	1.52
1	5Y	17	THR	CA-C	-7.50	1.43	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	17	THR	CA-C	-7.50	1.43	1.52
1	6Y	17	THR	CA-C	-7.50	1.43	1.52
1	7I	17	THR	CA-C	-7.50	1.43	1.52
1	7U	17	THR	CA-C	-7.50	1.43	1.52
1	1E	181	THR	CA-C	7.50	1.62	1.52
2	1N	41	PHE	CD2-CE2	7.50	1.61	1.38
2	2J	41	PHE	CD2-CE2	7.50	1.61	1.38
1	2M	181	THR	CA-C	7.50	1.62	1.52
1	22	181	THR	CA-C	7.50	1.62	1.52
2	3B	41	PHE	CD2-CE2	7.50	1.61	1.38
2	3J	41	PHE	CD2-CE2	7.50	1.61	1.38
1	3M	181	THR	CA-C	7.50	1.62	1.52
2	33	41	PHE	CD2-CE2	7.50	1.61	1.38
1	36	181	THR	CA-C	7.50	1.62	1.52
2	4F	41	PHE	CD2-CE2	7.50	1.61	1.38
1	4I	181	THR	CA-C	7.50	1.62	1.52
1	4Q	181	THR	CA-C	7.50	1.62	1.52
2	4Z	41	PHE	CD2-CE2	7.50	1.61	1.38
2	5V	41	PHE	CD2-CE2	7.50	1.61	1.38
1	5Y	181	THR	CA-C	7.50	1.62	1.52
1	6E	181	THR	CA-C	7.50	1.62	1.52
2	6N	41	PHE	CD2-CE2	7.50	1.61	1.38
2	6V	41	PHE	CD2-CE2	7.50	1.61	1.38
1	6Y	181	THR	CA-C	7.50	1.62	1.52
2	7F	41	PHE	CD2-CE2	7.50	1.61	1.38
1	7I	181	THR	CA-C	7.50	1.62	1.52
2	7R	41	PHE	CD2-CE2	7.50	1.61	1.38
1	7U	181	THR	CA-C	7.50	1.62	1.52
2	1R	41	PHE	CD2-CE2	7.50	1.61	1.38
2	1V	41	PHE	CD2-CE2	7.50	1.61	1.38
2	1Z	41	PHE	CD2-CE2	7.50	1.61	1.38
2	2R	41	PHE	CD2-CE2	7.50	1.61	1.38
2	2V	41	PHE	CD2-CE2	7.50	1.61	1.38
2	2Z	41	PHE	CD2-CE2	7.50	1.61	1.38
2	43	41	PHE	CD2-CE2	7.50	1.61	1.38
2	47	41	PHE	CD2-CE2	7.50	1.61	1.38
2	5B	41	PHE	CD2-CE2	7.50	1.61	1.38
2	53	41	PHE	CD2-CE2	7.50	1.61	1.38
2	57	41	PHE	CD2-CE2	7.50	1.61	1.38
2	6B	41	PHE	CD2-CE2	7.50	1.61	1.38
1	1Q	181	THR	CA-C	7.49	1.62	1.52
1	1U	181	THR	CA-C	7.49	1.62	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	181	THR	CA-C	7.49	1.62	1.52
1	2Q	181	THR	CA-C	7.49	1.62	1.52
1	2U	181	THR	CA-C	7.49	1.62	1.52
1	2Y	181	THR	CA-C	7.49	1.62	1.52
1	42	181	THR	CA-C	7.49	1.62	1.52
1	46	181	THR	CA-C	7.49	1.62	1.52
1	5A	181	THR	CA-C	7.49	1.62	1.52
1	52	181	THR	CA-C	7.49	1.62	1.52
1	56	181	THR	CA-C	7.49	1.62	1.52
1	6A	181	THR	CA-C	7.49	1.62	1.52
1	12	17	THR	CA-C	-7.49	1.43	1.52
1	16	17	THR	CA-C	-7.49	1.43	1.52
1	2A	17	THR	CA-C	-7.49	1.43	1.52
1	3Q	17	THR	CA-C	-7.49	1.43	1.52
1	3U	17	THR	CA-C	-7.49	1.43	1.52
1	3Y	17	THR	CA-C	-7.49	1.43	1.52
1	5E	17	THR	CA-C	-7.49	1.43	1.52
1	5I	17	THR	CA-C	-7.49	1.43	1.52
1	5M	17	THR	CA-C	-7.49	1.43	1.52
1	62	17	THR	CA-C	-7.49	1.43	1.52
1	66	17	THR	CA-C	-7.49	1.43	1.52
1	7A	17	THR	CA-C	-7.49	1.43	1.52
1	12	181	THR	CA-C	7.48	1.62	1.52
1	16	181	THR	CA-C	7.48	1.62	1.52
1	2A	181	THR	CA-C	7.48	1.62	1.52
1	3Q	181	THR	CA-C	7.48	1.62	1.52
1	3U	181	THR	CA-C	7.48	1.62	1.52
1	3Y	181	THR	CA-C	7.48	1.62	1.52
1	5E	181	THR	CA-C	7.48	1.62	1.52
1	5I	181	THR	CA-C	7.48	1.62	1.52
1	5M	181	THR	CA-C	7.48	1.62	1.52
1	62	181	THR	CA-C	7.48	1.62	1.52
1	66	181	THR	CA-C	7.48	1.62	1.52
1	7A	181	THR	CA-C	7.48	1.62	1.52
1	1M	17	THR	CA-C	-7.48	1.43	1.52
1	2I	17	THR	CA-C	-7.48	1.43	1.52
1	3A	17	THR	CA-C	-7.48	1.43	1.52
1	3I	17	THR	CA-C	-7.48	1.43	1.52
1	32	17	THR	CA-C	-7.48	1.43	1.52
1	4E	17	THR	CA-C	-7.48	1.43	1.52
1	4Y	17	THR	CA-C	-7.48	1.43	1.52
1	5U	17	THR	CA-C	-7.48	1.43	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	17	THR	CA-C	-7.48	1.43	1.52
1	6U	17	THR	CA-C	-7.48	1.43	1.52
1	7E	17	THR	CA-C	-7.48	1.43	1.52
1	7Q	17	THR	CA-C	-7.48	1.43	1.52
2	1N	26	ALA	C-O	-7.47	1.14	1.24
2	2J	26	ALA	C-O	-7.47	1.14	1.24
2	3B	26	ALA	C-O	-7.47	1.14	1.24
2	3J	26	ALA	C-O	-7.47	1.14	1.24
2	33	26	ALA	C-O	-7.47	1.14	1.24
2	4F	26	ALA	C-O	-7.47	1.14	1.24
2	4Z	26	ALA	C-O	-7.47	1.14	1.24
2	5V	26	ALA	C-O	-7.47	1.14	1.24
2	6N	26	ALA	C-O	-7.47	1.14	1.24
2	6V	26	ALA	C-O	-7.47	1.14	1.24
2	7F	26	ALA	C-O	-7.47	1.14	1.24
2	7R	26	ALA	C-O	-7.47	1.14	1.24
2	13	26	ALA	C-O	-7.46	1.14	1.24
2	17	26	ALA	C-O	-7.46	1.14	1.24
2	2B	26	ALA	C-O	-7.46	1.14	1.24
2	3R	26	ALA	C-O	-7.46	1.14	1.24
2	3V	26	ALA	C-O	-7.46	1.14	1.24
2	3Z	26	ALA	C-O	-7.46	1.14	1.24
2	5F	26	ALA	C-O	-7.46	1.14	1.24
2	5J	26	ALA	C-O	-7.46	1.14	1.24
2	5N	26	ALA	C-O	-7.46	1.14	1.24
2	63	26	ALA	C-O	-7.46	1.14	1.24
2	67	26	ALA	C-O	-7.46	1.14	1.24
2	7B	26	ALA	C-O	-7.46	1.14	1.24
2	1B	26	ALA	C-O	-7.46	1.14	1.24
2	1J	26	ALA	C-O	-7.46	1.14	1.24
1	12	65	PHE	N-CA	7.46	1.55	1.45
1	16	65	PHE	N-CA	7.46	1.55	1.45
1	2A	65	PHE	N-CA	7.46	1.55	1.45
2	2F	26	ALA	C-O	-7.46	1.14	1.24
2	27	26	ALA	C-O	-7.46	1.14	1.24
2	3F	26	ALA	C-O	-7.46	1.14	1.24
1	3Q	65	PHE	N-CA	7.46	1.55	1.45
1	3U	65	PHE	N-CA	7.46	1.55	1.45
1	3Y	65	PHE	N-CA	7.46	1.55	1.45
2	4B	26	ALA	C-O	-7.46	1.14	1.24
2	4N	26	ALA	C-O	-7.46	1.14	1.24
2	4V	26	ALA	C-O	-7.46	1.14	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5E	65	PHE	N-CA	7.46	1.55	1.45
1	5I	65	PHE	N-CA	7.46	1.55	1.45
1	5M	65	PHE	N-CA	7.46	1.55	1.45
2	5R	26	ALA	C-O	-7.46	1.14	1.24
2	6J	26	ALA	C-O	-7.46	1.14	1.24
2	6R	26	ALA	C-O	-7.46	1.14	1.24
1	62	65	PHE	N-CA	7.46	1.55	1.45
1	66	65	PHE	N-CA	7.46	1.55	1.45
1	7A	65	PHE	N-CA	7.46	1.55	1.45
2	7N	26	ALA	C-O	-7.46	1.14	1.24
1	1E	65	PHE	N-CA	7.46	1.55	1.45
1	2M	65	PHE	N-CA	7.46	1.55	1.45
1	22	65	PHE	N-CA	7.46	1.55	1.45
1	3M	65	PHE	N-CA	7.46	1.55	1.45
1	36	65	PHE	N-CA	7.46	1.55	1.45
1	4I	65	PHE	N-CA	7.46	1.55	1.45
1	4Q	65	PHE	N-CA	7.46	1.55	1.45
1	5Y	65	PHE	N-CA	7.46	1.55	1.45
1	6E	65	PHE	N-CA	7.46	1.55	1.45
1	6Y	65	PHE	N-CA	7.46	1.55	1.45
1	7I	65	PHE	N-CA	7.46	1.55	1.45
1	7U	65	PHE	N-CA	7.46	1.55	1.45
1	1Q	65	PHE	N-CA	7.45	1.55	1.45
2	1R	26	ALA	C-O	-7.45	1.14	1.24
1	1U	65	PHE	N-CA	7.45	1.55	1.45
2	1V	26	ALA	C-O	-7.45	1.14	1.24
1	1Y	65	PHE	N-CA	7.45	1.55	1.45
2	1Z	26	ALA	C-O	-7.45	1.14	1.24
1	2Q	65	PHE	N-CA	7.45	1.55	1.45
2	2R	26	ALA	C-O	-7.45	1.14	1.24
1	2U	65	PHE	N-CA	7.45	1.55	1.45
2	2V	26	ALA	C-O	-7.45	1.14	1.24
1	2Y	65	PHE	N-CA	7.45	1.55	1.45
2	2Z	26	ALA	C-O	-7.45	1.14	1.24
1	42	65	PHE	N-CA	7.45	1.55	1.45
2	43	26	ALA	C-O	-7.45	1.14	1.24
1	46	65	PHE	N-CA	7.45	1.55	1.45
2	47	26	ALA	C-O	-7.45	1.14	1.24
1	5A	65	PHE	N-CA	7.45	1.55	1.45
2	5B	26	ALA	C-O	-7.45	1.14	1.24
1	52	65	PHE	N-CA	7.45	1.55	1.45
2	53	26	ALA	C-O	-7.45	1.14	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	56	65	PHE	N-CA	7.45	1.55	1.45
2	57	26	ALA	C-O	-7.45	1.14	1.24
1	6A	65	PHE	N-CA	7.45	1.55	1.45
2	6B	26	ALA	C-O	-7.45	1.14	1.24
2	1F	26	ALA	C-O	-7.45	1.14	1.24
2	2N	26	ALA	C-O	-7.45	1.14	1.24
2	23	26	ALA	C-O	-7.45	1.14	1.24
2	3N	26	ALA	C-O	-7.45	1.14	1.24
2	37	26	ALA	C-O	-7.45	1.14	1.24
2	4J	26	ALA	C-O	-7.45	1.14	1.24
2	4R	26	ALA	C-O	-7.45	1.14	1.24
2	5Z	26	ALA	C-O	-7.45	1.14	1.24
2	6F	26	ALA	C-O	-7.45	1.14	1.24
2	6Z	26	ALA	C-O	-7.45	1.14	1.24
2	7J	26	ALA	C-O	-7.45	1.14	1.24
2	7V	26	ALA	C-O	-7.45	1.14	1.24
1	1A	181	THR	CA-C	7.45	1.62	1.52
1	1I	181	THR	CA-C	7.45	1.62	1.52
1	2E	181	THR	CA-C	7.45	1.62	1.52
1	26	181	THR	CA-C	7.45	1.62	1.52
1	3E	181	THR	CA-C	7.45	1.62	1.52
1	4A	181	THR	CA-C	7.45	1.62	1.52
1	4M	181	THR	CA-C	7.45	1.62	1.52
1	4U	181	THR	CA-C	7.45	1.62	1.52
1	5Q	181	THR	CA-C	7.45	1.62	1.52
1	6I	181	THR	CA-C	7.45	1.62	1.52
1	6Q	181	THR	CA-C	7.45	1.62	1.52
1	7M	181	THR	CA-C	7.45	1.62	1.52
1	1M	181	THR	CA-C	7.45	1.62	1.52
1	2I	181	THR	CA-C	7.45	1.62	1.52
1	3A	181	THR	CA-C	7.45	1.62	1.52
1	3I	181	THR	CA-C	7.45	1.62	1.52
1	32	181	THR	CA-C	7.45	1.62	1.52
1	4E	181	THR	CA-C	7.45	1.62	1.52
1	4Y	181	THR	CA-C	7.45	1.62	1.52
1	5U	181	THR	CA-C	7.45	1.62	1.52
1	6M	181	THR	CA-C	7.45	1.62	1.52
1	6U	181	THR	CA-C	7.45	1.62	1.52
1	7E	181	THR	CA-C	7.45	1.62	1.52
1	7Q	181	THR	CA-C	7.45	1.62	1.52
1	1M	49	LEU	CG-CD1	7.44	1.77	1.52
1	2I	49	LEU	CG-CD1	7.44	1.77	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	49	LEU	CG-CD1	7.44	1.77	1.52
1	3I	49	LEU	CG-CD1	7.44	1.77	1.52
1	32	49	LEU	CG-CD1	7.44	1.77	1.52
1	4E	49	LEU	CG-CD1	7.44	1.77	1.52
1	4Y	49	LEU	CG-CD1	7.44	1.77	1.52
1	5U	49	LEU	CG-CD1	7.44	1.77	1.52
1	6M	49	LEU	CG-CD1	7.44	1.77	1.52
1	6U	49	LEU	CG-CD1	7.44	1.77	1.52
1	7E	49	LEU	CG-CD1	7.44	1.77	1.52
1	7Q	49	LEU	CG-CD1	7.44	1.77	1.52
1	1M	65	PHE	N-CA	7.44	1.55	1.45
1	2I	65	PHE	N-CA	7.44	1.55	1.45
1	3A	65	PHE	N-CA	7.44	1.55	1.45
1	3I	65	PHE	N-CA	7.44	1.55	1.45
1	32	65	PHE	N-CA	7.44	1.55	1.45
1	4E	65	PHE	N-CA	7.44	1.55	1.45
1	4Y	65	PHE	N-CA	7.44	1.55	1.45
1	5U	65	PHE	N-CA	7.44	1.55	1.45
1	6M	65	PHE	N-CA	7.44	1.55	1.45
1	6U	65	PHE	N-CA	7.44	1.55	1.45
1	7E	65	PHE	N-CA	7.44	1.55	1.45
1	7Q	65	PHE	N-CA	7.44	1.55	1.45
1	12	49	LEU	CG-CD1	7.44	1.77	1.52
1	16	49	LEU	CG-CD1	7.44	1.77	1.52
1	2A	49	LEU	CG-CD1	7.44	1.77	1.52
1	3Q	49	LEU	CG-CD1	7.44	1.77	1.52
1	3U	49	LEU	CG-CD1	7.44	1.77	1.52
1	3Y	49	LEU	CG-CD1	7.44	1.77	1.52
1	5E	49	LEU	CG-CD1	7.44	1.77	1.52
1	5I	49	LEU	CG-CD1	7.44	1.77	1.52
1	5M	49	LEU	CG-CD1	7.44	1.77	1.52
1	62	49	LEU	CG-CD1	7.44	1.77	1.52
1	66	49	LEU	CG-CD1	7.44	1.77	1.52
1	7A	49	LEU	CG-CD1	7.44	1.77	1.52
1	1A	49	LEU	CG-CD1	7.44	1.77	1.52
1	1I	49	LEU	CG-CD1	7.44	1.77	1.52
1	2E	49	LEU	CG-CD1	7.44	1.77	1.52
1	26	49	LEU	CG-CD1	7.44	1.77	1.52
1	3E	49	LEU	CG-CD1	7.44	1.77	1.52
1	4A	49	LEU	CG-CD1	7.44	1.77	1.52
1	4M	49	LEU	CG-CD1	7.44	1.77	1.52
1	4U	49	LEU	CG-CD1	7.44	1.77	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	49	LEU	CG-CD1	7.44	1.77	1.52
1	6I	49	LEU	CG-CD1	7.44	1.77	1.52
1	6Q	49	LEU	CG-CD1	7.44	1.77	1.52
1	7M	49	LEU	CG-CD1	7.44	1.77	1.52
1	1Q	49	LEU	CG-CD1	7.43	1.77	1.52
1	1U	49	LEU	CG-CD1	7.43	1.77	1.52
1	1Y	49	LEU	CG-CD1	7.43	1.77	1.52
1	2Q	49	LEU	CG-CD1	7.43	1.77	1.52
1	2U	49	LEU	CG-CD1	7.43	1.77	1.52
1	2Y	49	LEU	CG-CD1	7.43	1.77	1.52
1	42	49	LEU	CG-CD1	7.43	1.77	1.52
1	46	49	LEU	CG-CD1	7.43	1.77	1.52
1	5A	49	LEU	CG-CD1	7.43	1.77	1.52
1	52	49	LEU	CG-CD1	7.43	1.77	1.52
1	56	49	LEU	CG-CD1	7.43	1.77	1.52
1	6A	49	LEU	CG-CD1	7.43	1.77	1.52
1	1A	65	PHE	N-CA	7.43	1.54	1.45
1	1I	65	PHE	N-CA	7.43	1.54	1.45
1	2E	65	PHE	N-CA	7.43	1.54	1.45
1	26	65	PHE	N-CA	7.43	1.54	1.45
1	3E	65	PHE	N-CA	7.43	1.54	1.45
1	4A	65	PHE	N-CA	7.43	1.54	1.45
1	4M	65	PHE	N-CA	7.43	1.54	1.45
1	4U	65	PHE	N-CA	7.43	1.54	1.45
1	5Q	65	PHE	N-CA	7.43	1.54	1.45
1	6I	65	PHE	N-CA	7.43	1.54	1.45
1	6Q	65	PHE	N-CA	7.43	1.54	1.45
1	7M	65	PHE	N-CA	7.43	1.54	1.45
2	1R	17	THR	CA-CB	7.42	1.66	1.53
2	1V	17	THR	CA-CB	7.42	1.66	1.53
2	1Z	17	THR	CA-CB	7.42	1.66	1.53
2	2R	17	THR	CA-CB	7.42	1.66	1.53
2	2V	17	THR	CA-CB	7.42	1.66	1.53
2	2Z	17	THR	CA-CB	7.42	1.66	1.53
2	43	17	THR	CA-CB	7.42	1.66	1.53
2	47	17	THR	CA-CB	7.42	1.66	1.53
2	5B	17	THR	CA-CB	7.42	1.66	1.53
2	53	17	THR	CA-CB	7.42	1.66	1.53
2	57	17	THR	CA-CB	7.42	1.66	1.53
2	6B	17	THR	CA-CB	7.42	1.66	1.53
2	1R	107	PHE	CE1-CZ	-7.42	1.16	1.38
2	1V	107	PHE	CE1-CZ	-7.42	1.16	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	107	PHE	CE1-CZ	-7.42	1.16	1.38
2	2R	107	PHE	CE1-CZ	-7.42	1.16	1.38
2	2V	107	PHE	CE1-CZ	-7.42	1.16	1.38
2	2Z	107	PHE	CE1-CZ	-7.42	1.16	1.38
2	43	107	PHE	CE1-CZ	-7.42	1.16	1.38
2	47	107	PHE	CE1-CZ	-7.42	1.16	1.38
2	5B	107	PHE	CE1-CZ	-7.42	1.16	1.38
2	53	107	PHE	CE1-CZ	-7.42	1.16	1.38
2	57	107	PHE	CE1-CZ	-7.42	1.16	1.38
2	6B	107	PHE	CE1-CZ	-7.42	1.16	1.38
1	1E	49	LEU	CG-CD1	7.42	1.77	1.52
1	2M	49	LEU	CG-CD1	7.42	1.77	1.52
1	22	49	LEU	CG-CD1	7.42	1.77	1.52
1	3M	49	LEU	CG-CD1	7.42	1.77	1.52
1	36	49	LEU	CG-CD1	7.42	1.77	1.52
1	4I	49	LEU	CG-CD1	7.42	1.77	1.52
1	4Q	49	LEU	CG-CD1	7.42	1.77	1.52
1	5Y	49	LEU	CG-CD1	7.42	1.77	1.52
1	6E	49	LEU	CG-CD1	7.42	1.77	1.52
1	6Y	49	LEU	CG-CD1	7.42	1.77	1.52
1	7I	49	LEU	CG-CD1	7.42	1.77	1.52
1	7U	49	LEU	CG-CD1	7.42	1.77	1.52
1	1Q	90	PHE	N-CA	7.41	1.57	1.46
1	1U	90	PHE	N-CA	7.41	1.57	1.46
1	1Y	90	PHE	N-CA	7.41	1.57	1.46
1	2Q	90	PHE	N-CA	7.41	1.57	1.46
1	2U	90	PHE	N-CA	7.41	1.57	1.46
1	2Y	90	PHE	N-CA	7.41	1.57	1.46
1	42	90	PHE	N-CA	7.41	1.57	1.46
1	46	90	PHE	N-CA	7.41	1.57	1.46
1	5A	90	PHE	N-CA	7.41	1.57	1.46
1	52	90	PHE	N-CA	7.41	1.57	1.46
1	56	90	PHE	N-CA	7.41	1.57	1.46
1	6A	90	PHE	N-CA	7.41	1.57	1.46
2	1B	17	THR	CA-CB	7.41	1.66	1.53
2	1J	17	THR	CA-CB	7.41	1.66	1.53
2	2F	17	THR	CA-CB	7.41	1.66	1.53
2	27	17	THR	CA-CB	7.41	1.66	1.53
2	3F	17	THR	CA-CB	7.41	1.66	1.53
2	4B	17	THR	CA-CB	7.41	1.66	1.53
2	4N	17	THR	CA-CB	7.41	1.66	1.53
2	4V	17	THR	CA-CB	7.41	1.66	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	17	THR	CA-CB	7.41	1.66	1.53
2	6J	17	THR	CA-CB	7.41	1.66	1.53
2	6R	17	THR	CA-CB	7.41	1.66	1.53
2	7N	17	THR	CA-CB	7.41	1.66	1.53
2	1N	17	THR	CA-CB	7.40	1.66	1.53
2	2J	17	THR	CA-CB	7.40	1.66	1.53
2	3B	17	THR	CA-CB	7.40	1.66	1.53
2	3J	17	THR	CA-CB	7.40	1.66	1.53
2	33	17	THR	CA-CB	7.40	1.66	1.53
2	4F	17	THR	CA-CB	7.40	1.66	1.53
2	4Z	17	THR	CA-CB	7.40	1.66	1.53
2	5V	17	THR	CA-CB	7.40	1.66	1.53
2	6N	17	THR	CA-CB	7.40	1.66	1.53
2	6V	17	THR	CA-CB	7.40	1.66	1.53
2	7F	17	THR	CA-CB	7.40	1.66	1.53
2	7R	17	THR	CA-CB	7.40	1.66	1.53
1	1M	90	PHE	N-CA	7.40	1.57	1.46
1	2I	90	PHE	N-CA	7.40	1.57	1.46
1	3A	90	PHE	N-CA	7.40	1.57	1.46
1	3I	90	PHE	N-CA	7.40	1.57	1.46
1	32	90	PHE	N-CA	7.40	1.57	1.46
1	4E	90	PHE	N-CA	7.40	1.57	1.46
1	4Y	90	PHE	N-CA	7.40	1.57	1.46
1	5U	90	PHE	N-CA	7.40	1.57	1.46
1	6M	90	PHE	N-CA	7.40	1.57	1.46
1	6U	90	PHE	N-CA	7.40	1.57	1.46
1	7E	90	PHE	N-CA	7.40	1.57	1.46
1	7Q	90	PHE	N-CA	7.40	1.57	1.46
2	1B	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	1J	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	2F	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	27	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	3F	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	4B	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	4N	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	4V	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	5R	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	6J	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	6R	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	7N	107	PHE	CE1-CZ	-7.39	1.16	1.38
1	1A	90	PHE	N-CA	7.39	1.57	1.46
1	1I	90	PHE	N-CA	7.39	1.57	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	90	PHE	N-CA	7.39	1.57	1.46
1	26	90	PHE	N-CA	7.39	1.57	1.46
1	3E	90	PHE	N-CA	7.39	1.57	1.46
1	4A	90	PHE	N-CA	7.39	1.57	1.46
1	4M	90	PHE	N-CA	7.39	1.57	1.46
1	4U	90	PHE	N-CA	7.39	1.57	1.46
1	5Q	90	PHE	N-CA	7.39	1.57	1.46
1	6I	90	PHE	N-CA	7.39	1.57	1.46
1	6Q	90	PHE	N-CA	7.39	1.57	1.46
1	7M	90	PHE	N-CA	7.39	1.57	1.46
2	1F	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	2N	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	23	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	3N	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	37	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	4J	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	4R	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	5Z	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	6F	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	6Z	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	7J	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	7V	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	13	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	17	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	2B	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	3R	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	3V	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	3Z	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	5F	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	5J	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	5N	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	63	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	67	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	7B	107	PHE	CE1-CZ	-7.39	1.16	1.38
2	1F	17	THR	CA-CB	7.38	1.66	1.53
2	1N	107	PHE	CE1-CZ	-7.38	1.16	1.38
2	2J	107	PHE	CE1-CZ	-7.38	1.16	1.38
2	2N	17	THR	CA-CB	7.38	1.66	1.53
2	23	17	THR	CA-CB	7.38	1.66	1.53
2	3B	107	PHE	CE1-CZ	-7.38	1.16	1.38
2	3J	107	PHE	CE1-CZ	-7.38	1.16	1.38
2	3N	17	THR	CA-CB	7.38	1.66	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	33	107	PHE	CE1-CZ	-7.38	1.16	1.38
2	37	17	THR	CA-CB	7.38	1.66	1.53
2	4F	107	PHE	CE1-CZ	-7.38	1.16	1.38
2	4J	17	THR	CA-CB	7.38	1.66	1.53
2	4R	17	THR	CA-CB	7.38	1.66	1.53
2	4Z	107	PHE	CE1-CZ	-7.38	1.16	1.38
2	5V	107	PHE	CE1-CZ	-7.38	1.16	1.38
2	5Z	17	THR	CA-CB	7.38	1.66	1.53
2	6F	17	THR	CA-CB	7.38	1.66	1.53
2	6N	107	PHE	CE1-CZ	-7.38	1.16	1.38
2	6V	107	PHE	CE1-CZ	-7.38	1.16	1.38
2	6Z	17	THR	CA-CB	7.38	1.66	1.53
2	7F	107	PHE	CE1-CZ	-7.38	1.16	1.38
2	7J	17	THR	CA-CB	7.38	1.66	1.53
2	7R	107	PHE	CE1-CZ	-7.38	1.16	1.38
2	7V	17	THR	CA-CB	7.38	1.66	1.53
1	1M	21	ASN	N-CA	-7.38	1.32	1.46
2	13	17	THR	CA-CB	7.38	1.66	1.53
2	17	17	THR	CA-CB	7.38	1.66	1.53
2	2B	17	THR	CA-CB	7.38	1.66	1.53
1	2I	21	ASN	N-CA	-7.38	1.32	1.46
1	3A	21	ASN	N-CA	-7.38	1.32	1.46
1	3I	21	ASN	N-CA	-7.38	1.32	1.46
2	3R	17	THR	CA-CB	7.38	1.66	1.53
2	3V	17	THR	CA-CB	7.38	1.66	1.53
2	3Z	17	THR	CA-CB	7.38	1.66	1.53
1	32	21	ASN	N-CA	-7.38	1.32	1.46
1	4E	21	ASN	N-CA	-7.38	1.32	1.46
1	4Y	21	ASN	N-CA	-7.38	1.32	1.46
2	5F	17	THR	CA-CB	7.38	1.66	1.53
2	5J	17	THR	CA-CB	7.38	1.66	1.53
2	5N	17	THR	CA-CB	7.38	1.66	1.53
1	5U	21	ASN	N-CA	-7.38	1.32	1.46
1	6M	21	ASN	N-CA	-7.38	1.32	1.46
1	6U	21	ASN	N-CA	-7.38	1.32	1.46
2	63	17	THR	CA-CB	7.38	1.66	1.53
2	67	17	THR	CA-CB	7.38	1.66	1.53
2	7B	17	THR	CA-CB	7.38	1.66	1.53
1	7E	21	ASN	N-CA	-7.38	1.32	1.46
1	7Q	21	ASN	N-CA	-7.38	1.32	1.46
1	12	90	PHE	N-CA	7.37	1.57	1.46
1	16	90	PHE	N-CA	7.37	1.57	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	90	PHE	N-CA	7.37	1.57	1.46
1	3Q	90	PHE	N-CA	7.37	1.57	1.46
1	3U	90	PHE	N-CA	7.37	1.57	1.46
1	3Y	90	PHE	N-CA	7.37	1.57	1.46
1	5E	90	PHE	N-CA	7.37	1.57	1.46
1	5I	90	PHE	N-CA	7.37	1.57	1.46
1	5M	90	PHE	N-CA	7.37	1.57	1.46
1	62	90	PHE	N-CA	7.37	1.57	1.46
1	66	90	PHE	N-CA	7.37	1.57	1.46
1	7A	90	PHE	N-CA	7.37	1.57	1.46
1	1E	84	ARG	CB-CG	-7.37	1.30	1.52
1	12	21	ASN	N-CA	-7.37	1.32	1.46
1	16	21	ASN	N-CA	-7.37	1.32	1.46
1	2A	21	ASN	N-CA	-7.37	1.32	1.46
1	2M	84	ARG	CB-CG	-7.37	1.30	1.52
1	22	84	ARG	CB-CG	-7.37	1.30	1.52
1	3M	84	ARG	CB-CG	-7.37	1.30	1.52
1	3Q	21	ASN	N-CA	-7.37	1.32	1.46
1	3U	21	ASN	N-CA	-7.37	1.32	1.46
1	3Y	21	ASN	N-CA	-7.37	1.32	1.46
1	36	84	ARG	CB-CG	-7.37	1.30	1.52
1	4I	84	ARG	CB-CG	-7.37	1.30	1.52
1	4Q	84	ARG	CB-CG	-7.37	1.30	1.52
1	5E	21	ASN	N-CA	-7.37	1.32	1.46
1	5I	21	ASN	N-CA	-7.37	1.32	1.46
1	5M	21	ASN	N-CA	-7.37	1.32	1.46
1	5Y	84	ARG	CB-CG	-7.37	1.30	1.52
1	6E	84	ARG	CB-CG	-7.37	1.30	1.52
1	6Y	84	ARG	CB-CG	-7.37	1.30	1.52
1	62	21	ASN	N-CA	-7.37	1.32	1.46
1	66	21	ASN	N-CA	-7.37	1.32	1.46
1	7A	21	ASN	N-CA	-7.37	1.32	1.46
1	7I	84	ARG	CB-CG	-7.37	1.30	1.52
1	7U	84	ARG	CB-CG	-7.37	1.30	1.52
1	1A	21	ASN	N-CA	-7.37	1.32	1.46
1	1I	21	ASN	N-CA	-7.37	1.32	1.46
1	2E	21	ASN	N-CA	-7.37	1.32	1.46
1	26	21	ASN	N-CA	-7.37	1.32	1.46
1	3E	21	ASN	N-CA	-7.37	1.32	1.46
1	4A	21	ASN	N-CA	-7.37	1.32	1.46
1	4M	21	ASN	N-CA	-7.37	1.32	1.46
1	4U	21	ASN	N-CA	-7.37	1.32	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	21	ASN	N-CA	-7.37	1.32	1.46
1	6I	21	ASN	N-CA	-7.37	1.32	1.46
1	6Q	21	ASN	N-CA	-7.37	1.32	1.46
1	7M	21	ASN	N-CA	-7.37	1.32	1.46
1	1E	90	PHE	N-CA	7.37	1.57	1.46
1	2M	90	PHE	N-CA	7.37	1.57	1.46
1	22	90	PHE	N-CA	7.37	1.57	1.46
1	3M	90	PHE	N-CA	7.37	1.57	1.46
1	36	90	PHE	N-CA	7.37	1.57	1.46
1	4I	90	PHE	N-CA	7.37	1.57	1.46
1	4Q	90	PHE	N-CA	7.37	1.57	1.46
1	5Y	90	PHE	N-CA	7.37	1.57	1.46
1	6E	90	PHE	N-CA	7.37	1.57	1.46
1	6Y	90	PHE	N-CA	7.37	1.57	1.46
1	7I	90	PHE	N-CA	7.37	1.57	1.46
1	7U	90	PHE	N-CA	7.37	1.57	1.46
1	1Q	21	ASN	N-CA	-7.37	1.32	1.46
1	1U	21	ASN	N-CA	-7.37	1.32	1.46
1	1Y	21	ASN	N-CA	-7.37	1.32	1.46
1	2Q	21	ASN	N-CA	-7.37	1.32	1.46
1	2U	21	ASN	N-CA	-7.37	1.32	1.46
1	2Y	21	ASN	N-CA	-7.37	1.32	1.46
1	42	21	ASN	N-CA	-7.37	1.32	1.46
1	46	21	ASN	N-CA	-7.37	1.32	1.46
1	5A	21	ASN	N-CA	-7.37	1.32	1.46
1	52	21	ASN	N-CA	-7.37	1.32	1.46
1	56	21	ASN	N-CA	-7.37	1.32	1.46
1	6A	21	ASN	N-CA	-7.37	1.32	1.46
1	1M	84	ARG	CB-CG	-7.36	1.30	1.52
1	2I	84	ARG	CB-CG	-7.36	1.30	1.52
1	3A	84	ARG	CB-CG	-7.36	1.30	1.52
1	3I	84	ARG	CB-CG	-7.36	1.30	1.52
1	32	84	ARG	CB-CG	-7.36	1.30	1.52
1	4E	84	ARG	CB-CG	-7.36	1.30	1.52
1	4Y	84	ARG	CB-CG	-7.36	1.30	1.52
1	5U	84	ARG	CB-CG	-7.36	1.30	1.52
1	6M	84	ARG	CB-CG	-7.36	1.30	1.52
1	6U	84	ARG	CB-CG	-7.36	1.30	1.52
1	7E	84	ARG	CB-CG	-7.36	1.30	1.52
1	7Q	84	ARG	CB-CG	-7.36	1.30	1.52
1	1A	84	ARG	CB-CG	-7.36	1.30	1.52
1	1I	84	ARG	CB-CG	-7.36	1.30	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	84	ARG	CB-CG	-7.36	1.30	1.52
1	26	84	ARG	CB-CG	-7.36	1.30	1.52
1	3E	84	ARG	CB-CG	-7.36	1.30	1.52
1	4A	84	ARG	CB-CG	-7.36	1.30	1.52
1	4M	84	ARG	CB-CG	-7.36	1.30	1.52
1	4U	84	ARG	CB-CG	-7.36	1.30	1.52
1	5Q	84	ARG	CB-CG	-7.36	1.30	1.52
1	6I	84	ARG	CB-CG	-7.36	1.30	1.52
1	6Q	84	ARG	CB-CG	-7.36	1.30	1.52
1	7M	84	ARG	CB-CG	-7.36	1.30	1.52
1	12	84	ARG	CB-CG	-7.36	1.30	1.52
1	16	84	ARG	CB-CG	-7.36	1.30	1.52
1	2A	84	ARG	CB-CG	-7.36	1.30	1.52
1	3Q	84	ARG	CB-CG	-7.36	1.30	1.52
1	3U	84	ARG	CB-CG	-7.36	1.30	1.52
1	3Y	84	ARG	CB-CG	-7.36	1.30	1.52
1	5E	84	ARG	CB-CG	-7.36	1.30	1.52
1	5I	84	ARG	CB-CG	-7.36	1.30	1.52
1	5M	84	ARG	CB-CG	-7.36	1.30	1.52
1	62	84	ARG	CB-CG	-7.36	1.30	1.52
1	66	84	ARG	CB-CG	-7.36	1.30	1.52
1	7A	84	ARG	CB-CG	-7.36	1.30	1.52
1	1M	85	LEU	C-N	7.35	1.45	1.33
1	12	18	PRO	N-CD	-7.35	1.37	1.47
1	16	18	PRO	N-CD	-7.35	1.37	1.47
1	2A	18	PRO	N-CD	-7.35	1.37	1.47
1	2I	85	LEU	C-N	7.35	1.45	1.33
1	3A	85	LEU	C-N	7.35	1.45	1.33
1	3I	85	LEU	C-N	7.35	1.45	1.33
1	3Q	18	PRO	N-CD	-7.35	1.37	1.47
1	3U	18	PRO	N-CD	-7.35	1.37	1.47
1	3Y	18	PRO	N-CD	-7.35	1.37	1.47
1	32	85	LEU	C-N	7.35	1.45	1.33
1	4E	85	LEU	C-N	7.35	1.45	1.33
1	4Y	85	LEU	C-N	7.35	1.45	1.33
1	5E	18	PRO	N-CD	-7.35	1.37	1.47
1	5I	18	PRO	N-CD	-7.35	1.37	1.47
1	5M	18	PRO	N-CD	-7.35	1.37	1.47
1	5U	85	LEU	C-N	7.35	1.45	1.33
1	6M	85	LEU	C-N	7.35	1.45	1.33
1	6U	85	LEU	C-N	7.35	1.45	1.33
1	62	18	PRO	N-CD	-7.35	1.37	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	18	PRO	N-CD	-7.35	1.37	1.47
1	7A	18	PRO	N-CD	-7.35	1.37	1.47
1	7E	85	LEU	C-N	7.35	1.45	1.33
1	7Q	85	LEU	C-N	7.35	1.45	1.33
1	1E	85	LEU	C-N	7.34	1.45	1.33
1	2M	85	LEU	C-N	7.34	1.45	1.33
1	22	85	LEU	C-N	7.34	1.45	1.33
1	3M	85	LEU	C-N	7.34	1.45	1.33
1	36	85	LEU	C-N	7.34	1.45	1.33
1	4I	85	LEU	C-N	7.34	1.45	1.33
1	4Q	85	LEU	C-N	7.34	1.45	1.33
1	5Y	85	LEU	C-N	7.34	1.45	1.33
1	6E	85	LEU	C-N	7.34	1.45	1.33
1	6Y	85	LEU	C-N	7.34	1.45	1.33
1	7I	85	LEU	C-N	7.34	1.45	1.33
1	7U	85	LEU	C-N	7.34	1.45	1.33
1	1Q	84	ARG	CB-CG	-7.33	1.30	1.52
1	1U	84	ARG	CB-CG	-7.33	1.30	1.52
1	1Y	84	ARG	CB-CG	-7.33	1.30	1.52
1	2Q	84	ARG	CB-CG	-7.33	1.30	1.52
1	2U	84	ARG	CB-CG	-7.33	1.30	1.52
1	2Y	84	ARG	CB-CG	-7.33	1.30	1.52
1	42	84	ARG	CB-CG	-7.33	1.30	1.52
1	46	84	ARG	CB-CG	-7.33	1.30	1.52
1	5A	84	ARG	CB-CG	-7.33	1.30	1.52
1	52	84	ARG	CB-CG	-7.33	1.30	1.52
1	56	84	ARG	CB-CG	-7.33	1.30	1.52
1	6A	84	ARG	CB-CG	-7.33	1.30	1.52
2	1R	28	THR	N-CA	-7.33	1.36	1.46
2	1V	28	THR	N-CA	-7.33	1.36	1.46
2	1Z	28	THR	N-CA	-7.33	1.36	1.46
2	2R	28	THR	N-CA	-7.33	1.36	1.46
2	2V	28	THR	N-CA	-7.33	1.36	1.46
2	2Z	28	THR	N-CA	-7.33	1.36	1.46
2	43	28	THR	N-CA	-7.33	1.36	1.46
2	47	28	THR	N-CA	-7.33	1.36	1.46
2	5B	28	THR	N-CA	-7.33	1.36	1.46
2	53	28	THR	N-CA	-7.33	1.36	1.46
2	57	28	THR	N-CA	-7.33	1.36	1.46
2	6B	28	THR	N-CA	-7.33	1.36	1.46
1	1E	21	ASN	N-CA	-7.32	1.32	1.46
1	2M	21	ASN	N-CA	-7.32	1.32	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	21	ASN	N-CA	-7.32	1.32	1.46
1	3M	21	ASN	N-CA	-7.32	1.32	1.46
1	36	21	ASN	N-CA	-7.32	1.32	1.46
1	4I	21	ASN	N-CA	-7.32	1.32	1.46
1	4Q	21	ASN	N-CA	-7.32	1.32	1.46
1	5Y	21	ASN	N-CA	-7.32	1.32	1.46
1	6E	21	ASN	N-CA	-7.32	1.32	1.46
1	6Y	21	ASN	N-CA	-7.32	1.32	1.46
1	7I	21	ASN	N-CA	-7.32	1.32	1.46
1	7U	21	ASN	N-CA	-7.32	1.32	1.46
2	1B	28	THR	N-CA	-7.32	1.36	1.46
2	1J	28	THR	N-CA	-7.32	1.36	1.46
2	2F	28	THR	N-CA	-7.32	1.36	1.46
2	27	28	THR	N-CA	-7.32	1.36	1.46
2	3F	28	THR	N-CA	-7.32	1.36	1.46
2	4B	28	THR	N-CA	-7.32	1.36	1.46
2	4N	28	THR	N-CA	-7.32	1.36	1.46
2	4V	28	THR	N-CA	-7.32	1.36	1.46
2	5R	28	THR	N-CA	-7.32	1.36	1.46
2	6J	28	THR	N-CA	-7.32	1.36	1.46
2	6R	28	THR	N-CA	-7.32	1.36	1.46
2	7N	28	THR	N-CA	-7.32	1.36	1.46
1	1Q	18	PRO	N-CD	-7.32	1.37	1.47
1	1U	18	PRO	N-CD	-7.32	1.37	1.47
1	1Y	18	PRO	N-CD	-7.32	1.37	1.47
1	2Q	18	PRO	N-CD	-7.32	1.37	1.47
1	2U	18	PRO	N-CD	-7.32	1.37	1.47
1	2Y	18	PRO	N-CD	-7.32	1.37	1.47
1	42	18	PRO	N-CD	-7.32	1.37	1.47
1	46	18	PRO	N-CD	-7.32	1.37	1.47
1	5A	18	PRO	N-CD	-7.32	1.37	1.47
1	52	18	PRO	N-CD	-7.32	1.37	1.47
1	56	18	PRO	N-CD	-7.32	1.37	1.47
1	6A	18	PRO	N-CD	-7.32	1.37	1.47
2	1N	28	THR	N-CA	-7.31	1.36	1.46
2	2J	28	THR	N-CA	-7.31	1.36	1.46
2	3B	28	THR	N-CA	-7.31	1.36	1.46
2	3J	28	THR	N-CA	-7.31	1.36	1.46
2	33	28	THR	N-CA	-7.31	1.36	1.46
2	4F	28	THR	N-CA	-7.31	1.36	1.46
2	4Z	28	THR	N-CA	-7.31	1.36	1.46
2	5V	28	THR	N-CA	-7.31	1.36	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	28	THR	N-CA	-7.31	1.36	1.46
2	6V	28	THR	N-CA	-7.31	1.36	1.46
2	7F	28	THR	N-CA	-7.31	1.36	1.46
2	7R	28	THR	N-CA	-7.31	1.36	1.46
2	13	28	THR	N-CA	-7.31	1.36	1.46
2	17	28	THR	N-CA	-7.31	1.36	1.46
2	2B	28	THR	N-CA	-7.31	1.36	1.46
2	3R	28	THR	N-CA	-7.31	1.36	1.46
2	3V	28	THR	N-CA	-7.31	1.36	1.46
2	3Z	28	THR	N-CA	-7.31	1.36	1.46
2	5F	28	THR	N-CA	-7.31	1.36	1.46
2	5J	28	THR	N-CA	-7.31	1.36	1.46
2	5N	28	THR	N-CA	-7.31	1.36	1.46
2	63	28	THR	N-CA	-7.31	1.36	1.46
2	67	28	THR	N-CA	-7.31	1.36	1.46
2	7B	28	THR	N-CA	-7.31	1.36	1.46
1	1E	18	PRO	N-CD	-7.31	1.37	1.47
1	2M	18	PRO	N-CD	-7.31	1.37	1.47
1	22	18	PRO	N-CD	-7.31	1.37	1.47
1	3M	18	PRO	N-CD	-7.31	1.37	1.47
1	36	18	PRO	N-CD	-7.31	1.37	1.47
1	4I	18	PRO	N-CD	-7.31	1.37	1.47
1	4Q	18	PRO	N-CD	-7.31	1.37	1.47
1	5Y	18	PRO	N-CD	-7.31	1.37	1.47
1	6E	18	PRO	N-CD	-7.31	1.37	1.47
1	6Y	18	PRO	N-CD	-7.31	1.37	1.47
1	7I	18	PRO	N-CD	-7.31	1.37	1.47
1	7U	18	PRO	N-CD	-7.31	1.37	1.47
1	1A	18	PRO	N-CD	-7.30	1.37	1.47
1	1I	18	PRO	N-CD	-7.30	1.37	1.47
1	2E	18	PRO	N-CD	-7.30	1.37	1.47
1	26	18	PRO	N-CD	-7.30	1.37	1.47
1	3E	18	PRO	N-CD	-7.30	1.37	1.47
1	4A	18	PRO	N-CD	-7.30	1.37	1.47
1	4M	18	PRO	N-CD	-7.30	1.37	1.47
1	4U	18	PRO	N-CD	-7.30	1.37	1.47
1	5Q	18	PRO	N-CD	-7.30	1.37	1.47
1	6I	18	PRO	N-CD	-7.30	1.37	1.47
1	6Q	18	PRO	N-CD	-7.30	1.37	1.47
1	7M	18	PRO	N-CD	-7.30	1.37	1.47
2	1F	28	THR	N-CA	-7.30	1.36	1.46
2	2N	28	THR	N-CA	-7.30	1.36	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	28	THR	N-CA	-7.30	1.36	1.46
2	3N	28	THR	N-CA	-7.30	1.36	1.46
2	37	28	THR	N-CA	-7.30	1.36	1.46
2	4J	28	THR	N-CA	-7.30	1.36	1.46
2	4R	28	THR	N-CA	-7.30	1.36	1.46
2	5Z	28	THR	N-CA	-7.30	1.36	1.46
2	6F	28	THR	N-CA	-7.30	1.36	1.46
2	6Z	28	THR	N-CA	-7.30	1.36	1.46
2	7J	28	THR	N-CA	-7.30	1.36	1.46
2	7V	28	THR	N-CA	-7.30	1.36	1.46
1	1A	85	LEU	C-N	7.30	1.44	1.33
1	1I	85	LEU	C-N	7.30	1.44	1.33
1	2E	85	LEU	C-N	7.30	1.44	1.33
1	26	85	LEU	C-N	7.30	1.44	1.33
1	3E	85	LEU	C-N	7.30	1.44	1.33
1	4A	85	LEU	C-N	7.30	1.44	1.33
1	4M	85	LEU	C-N	7.30	1.44	1.33
1	4U	85	LEU	C-N	7.30	1.44	1.33
1	5Q	85	LEU	C-N	7.30	1.44	1.33
1	6I	85	LEU	C-N	7.30	1.44	1.33
1	6Q	85	LEU	C-N	7.30	1.44	1.33
1	7M	85	LEU	C-N	7.30	1.44	1.33
1	1Q	85	LEU	C-N	7.30	1.44	1.33
1	1U	85	LEU	C-N	7.30	1.44	1.33
1	1Y	85	LEU	C-N	7.30	1.44	1.33
1	2Q	85	LEU	C-N	7.30	1.44	1.33
1	2U	85	LEU	C-N	7.30	1.44	1.33
1	2Y	85	LEU	C-N	7.30	1.44	1.33
1	42	85	LEU	C-N	7.30	1.44	1.33
1	46	85	LEU	C-N	7.30	1.44	1.33
1	5A	85	LEU	C-N	7.30	1.44	1.33
1	52	85	LEU	C-N	7.30	1.44	1.33
1	56	85	LEU	C-N	7.30	1.44	1.33
1	6A	85	LEU	C-N	7.30	1.44	1.33
1	12	85	LEU	C-N	7.29	1.44	1.33
1	16	85	LEU	C-N	7.29	1.44	1.33
1	2A	85	LEU	C-N	7.29	1.44	1.33
1	3Q	85	LEU	C-N	7.29	1.44	1.33
1	3U	85	LEU	C-N	7.29	1.44	1.33
1	3Y	85	LEU	C-N	7.29	1.44	1.33
1	5E	85	LEU	C-N	7.29	1.44	1.33
1	5I	85	LEU	C-N	7.29	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	85	LEU	C-N	7.29	1.44	1.33
1	62	85	LEU	C-N	7.29	1.44	1.33
1	66	85	LEU	C-N	7.29	1.44	1.33
1	7A	85	LEU	C-N	7.29	1.44	1.33
1	1M	18	PRO	N-CD	-7.28	1.37	1.47
1	2I	18	PRO	N-CD	-7.28	1.37	1.47
1	3A	18	PRO	N-CD	-7.28	1.37	1.47
1	3I	18	PRO	N-CD	-7.28	1.37	1.47
1	32	18	PRO	N-CD	-7.28	1.37	1.47
1	4E	18	PRO	N-CD	-7.28	1.37	1.47
1	4Y	18	PRO	N-CD	-7.28	1.37	1.47
1	5U	18	PRO	N-CD	-7.28	1.37	1.47
1	6M	18	PRO	N-CD	-7.28	1.37	1.47
1	6U	18	PRO	N-CD	-7.28	1.37	1.47
1	7E	18	PRO	N-CD	-7.28	1.37	1.47
1	7Q	18	PRO	N-CD	-7.28	1.37	1.47
2	13	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	17	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	2B	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	3R	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	3V	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	3Z	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	5F	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	5J	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	5N	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	63	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	67	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	7B	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	1R	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	1V	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	1Z	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	2R	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	2V	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	2Z	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	43	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	47	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	5B	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	53	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	57	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	6B	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	1B	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	1J	70	TRP	CE3-CZ3	-7.27	1.16	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1R	6	LYS	CB-CG	7.27	1.74	1.52
2	1V	6	LYS	CB-CG	7.27	1.74	1.52
2	1Z	6	LYS	CB-CG	7.27	1.74	1.52
2	2F	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	2R	6	LYS	CB-CG	7.27	1.74	1.52
2	2V	6	LYS	CB-CG	7.27	1.74	1.52
2	2Z	6	LYS	CB-CG	7.27	1.74	1.52
2	27	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	3F	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	4B	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	4N	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	4V	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	43	6	LYS	CB-CG	7.27	1.74	1.52
2	47	6	LYS	CB-CG	7.27	1.74	1.52
2	5B	6	LYS	CB-CG	7.27	1.74	1.52
2	5R	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	53	6	LYS	CB-CG	7.27	1.74	1.52
2	57	6	LYS	CB-CG	7.27	1.74	1.52
2	6B	6	LYS	CB-CG	7.27	1.74	1.52
2	6J	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	6R	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	7N	70	TRP	CE3-CZ3	-7.27	1.16	1.38
2	1F	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	2N	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	23	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	3N	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	37	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	4J	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	4R	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	5Z	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	6F	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	6Z	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	7J	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	7V	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	1B	6	LYS	CB-CG	7.26	1.74	1.52
2	1J	6	LYS	CB-CG	7.26	1.74	1.52
2	2F	6	LYS	CB-CG	7.26	1.74	1.52
2	27	6	LYS	CB-CG	7.26	1.74	1.52
2	3F	6	LYS	CB-CG	7.26	1.74	1.52
2	4B	6	LYS	CB-CG	7.26	1.74	1.52
2	4N	6	LYS	CB-CG	7.26	1.74	1.52
2	4V	6	LYS	CB-CG	7.26	1.74	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	6	LYS	CB-CG	7.26	1.74	1.52
2	6J	6	LYS	CB-CG	7.26	1.74	1.52
2	6R	6	LYS	CB-CG	7.26	1.74	1.52
2	7N	6	LYS	CB-CG	7.26	1.74	1.52
2	1N	6	LYS	CB-CG	7.26	1.74	1.52
2	1N	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	2J	6	LYS	CB-CG	7.26	1.74	1.52
2	2J	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	3B	6	LYS	CB-CG	7.26	1.74	1.52
2	3B	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	3J	6	LYS	CB-CG	7.26	1.74	1.52
2	3J	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	33	6	LYS	CB-CG	7.26	1.74	1.52
2	33	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	4F	6	LYS	CB-CG	7.26	1.74	1.52
2	4F	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	4Z	6	LYS	CB-CG	7.26	1.74	1.52
2	4Z	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	5V	6	LYS	CB-CG	7.26	1.74	1.52
2	5V	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	6N	6	LYS	CB-CG	7.26	1.74	1.52
2	6N	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	6V	6	LYS	CB-CG	7.26	1.74	1.52
2	6V	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	7F	6	LYS	CB-CG	7.26	1.74	1.52
2	7F	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	7R	6	LYS	CB-CG	7.26	1.74	1.52
2	7R	70	TRP	CE3-CZ3	-7.26	1.16	1.38
2	1R	29	MET	CA-CB	-7.25	1.42	1.53
2	1V	29	MET	CA-CB	-7.25	1.42	1.53
2	1Z	29	MET	CA-CB	-7.25	1.42	1.53
2	2R	29	MET	CA-CB	-7.25	1.42	1.53
2	2V	29	MET	CA-CB	-7.25	1.42	1.53
2	2Z	29	MET	CA-CB	-7.25	1.42	1.53
2	43	29	MET	CA-CB	-7.25	1.42	1.53
2	47	29	MET	CA-CB	-7.25	1.42	1.53
2	5B	29	MET	CA-CB	-7.25	1.42	1.53
2	53	29	MET	CA-CB	-7.25	1.42	1.53
2	57	29	MET	CA-CB	-7.25	1.42	1.53
2	6B	29	MET	CA-CB	-7.25	1.42	1.53
2	13	6	LYS	CB-CG	7.25	1.74	1.52
2	17	6	LYS	CB-CG	7.25	1.74	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	6	LYS	CB-CG	7.25	1.74	1.52
2	3R	6	LYS	CB-CG	7.25	1.74	1.52
2	3V	6	LYS	CB-CG	7.25	1.74	1.52
2	3Z	6	LYS	CB-CG	7.25	1.74	1.52
2	5F	6	LYS	CB-CG	7.25	1.74	1.52
2	5J	6	LYS	CB-CG	7.25	1.74	1.52
2	5N	6	LYS	CB-CG	7.25	1.74	1.52
2	63	6	LYS	CB-CG	7.25	1.74	1.52
2	67	6	LYS	CB-CG	7.25	1.74	1.52
2	7B	6	LYS	CB-CG	7.25	1.74	1.52
2	1N	35	PHE	CD1-CE1	7.25	1.60	1.38
2	2J	35	PHE	CD1-CE1	7.25	1.60	1.38
2	3B	35	PHE	CD1-CE1	7.25	1.60	1.38
2	3J	35	PHE	CD1-CE1	7.25	1.60	1.38
2	33	35	PHE	CD1-CE1	7.25	1.60	1.38
2	4F	35	PHE	CD1-CE1	7.25	1.60	1.38
2	4Z	35	PHE	CD1-CE1	7.25	1.60	1.38
2	5V	35	PHE	CD1-CE1	7.25	1.60	1.38
2	6N	35	PHE	CD1-CE1	7.25	1.60	1.38
2	6V	35	PHE	CD1-CE1	7.25	1.60	1.38
2	7F	35	PHE	CD1-CE1	7.25	1.60	1.38
2	7R	35	PHE	CD1-CE1	7.25	1.60	1.38
2	1F	35	PHE	CD1-CE1	7.24	1.60	1.38
2	2N	35	PHE	CD1-CE1	7.24	1.60	1.38
2	23	35	PHE	CD1-CE1	7.24	1.60	1.38
2	3N	35	PHE	CD1-CE1	7.24	1.60	1.38
2	37	35	PHE	CD1-CE1	7.24	1.60	1.38
2	4J	35	PHE	CD1-CE1	7.24	1.60	1.38
2	4R	35	PHE	CD1-CE1	7.24	1.60	1.38
2	5Z	35	PHE	CD1-CE1	7.24	1.60	1.38
2	6F	35	PHE	CD1-CE1	7.24	1.60	1.38
2	6Z	35	PHE	CD1-CE1	7.24	1.60	1.38
2	7J	35	PHE	CD1-CE1	7.24	1.60	1.38
2	7V	35	PHE	CD1-CE1	7.24	1.60	1.38
2	1B	29	MET	CA-CB	-7.24	1.42	1.53
2	1J	29	MET	CA-CB	-7.24	1.42	1.53
2	1R	35	PHE	CD1-CE1	7.24	1.60	1.38
2	1V	35	PHE	CD1-CE1	7.24	1.60	1.38
2	1Z	35	PHE	CD1-CE1	7.24	1.60	1.38
2	2F	29	MET	CA-CB	-7.24	1.42	1.53
2	2R	35	PHE	CD1-CE1	7.24	1.60	1.38
2	2V	35	PHE	CD1-CE1	7.24	1.60	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2Z	35	PHE	CD1-CE1	7.24	1.60	1.38
2	27	29	MET	CA-CB	-7.24	1.42	1.53
2	3F	29	MET	CA-CB	-7.24	1.42	1.53
2	4B	29	MET	CA-CB	-7.24	1.42	1.53
2	4N	29	MET	CA-CB	-7.24	1.42	1.53
2	4V	29	MET	CA-CB	-7.24	1.42	1.53
2	43	35	PHE	CD1-CE1	7.24	1.60	1.38
2	47	35	PHE	CD1-CE1	7.24	1.60	1.38
2	5B	35	PHE	CD1-CE1	7.24	1.60	1.38
2	5R	29	MET	CA-CB	-7.24	1.42	1.53
2	53	35	PHE	CD1-CE1	7.24	1.60	1.38
2	57	35	PHE	CD1-CE1	7.24	1.60	1.38
2	6B	35	PHE	CD1-CE1	7.24	1.60	1.38
2	6J	29	MET	CA-CB	-7.24	1.42	1.53
2	6R	29	MET	CA-CB	-7.24	1.42	1.53
2	7N	29	MET	CA-CB	-7.24	1.42	1.53
2	1F	29	MET	CA-CB	-7.24	1.42	1.53
2	2N	29	MET	CA-CB	-7.24	1.42	1.53
2	23	29	MET	CA-CB	-7.24	1.42	1.53
2	3N	29	MET	CA-CB	-7.24	1.42	1.53
2	37	29	MET	CA-CB	-7.24	1.42	1.53
2	4J	29	MET	CA-CB	-7.24	1.42	1.53
2	4R	29	MET	CA-CB	-7.24	1.42	1.53
2	5Z	29	MET	CA-CB	-7.24	1.42	1.53
2	6F	29	MET	CA-CB	-7.24	1.42	1.53
2	6Z	29	MET	CA-CB	-7.24	1.42	1.53
2	7J	29	MET	CA-CB	-7.24	1.42	1.53
2	7V	29	MET	CA-CB	-7.24	1.42	1.53
2	1F	6	LYS	CB-CG	7.23	1.74	1.52
2	13	35	PHE	CD1-CE1	7.23	1.60	1.38
2	17	35	PHE	CD1-CE1	7.23	1.60	1.38
2	2B	35	PHE	CD1-CE1	7.23	1.60	1.38
2	2N	6	LYS	CB-CG	7.23	1.74	1.52
2	23	6	LYS	CB-CG	7.23	1.74	1.52
2	3N	6	LYS	CB-CG	7.23	1.74	1.52
2	3R	35	PHE	CD1-CE1	7.23	1.60	1.38
2	3V	35	PHE	CD1-CE1	7.23	1.60	1.38
2	3Z	35	PHE	CD1-CE1	7.23	1.60	1.38
2	37	6	LYS	CB-CG	7.23	1.74	1.52
2	4J	6	LYS	CB-CG	7.23	1.74	1.52
2	4R	6	LYS	CB-CG	7.23	1.74	1.52
2	5F	35	PHE	CD1-CE1	7.23	1.60	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5J	35	PHE	CD1-CE1	7.23	1.60	1.38
2	5N	35	PHE	CD1-CE1	7.23	1.60	1.38
2	5Z	6	LYS	CB-CG	7.23	1.74	1.52
2	6F	6	LYS	CB-CG	7.23	1.74	1.52
2	6Z	6	LYS	CB-CG	7.23	1.74	1.52
2	63	35	PHE	CD1-CE1	7.23	1.60	1.38
2	67	35	PHE	CD1-CE1	7.23	1.60	1.38
2	7B	35	PHE	CD1-CE1	7.23	1.60	1.38
2	7J	6	LYS	CB-CG	7.23	1.74	1.52
2	7V	6	LYS	CB-CG	7.23	1.74	1.52
2	1B	35	PHE	CD1-CE1	7.23	1.60	1.38
2	1J	35	PHE	CD1-CE1	7.23	1.60	1.38
2	2F	35	PHE	CD1-CE1	7.23	1.60	1.38
2	27	35	PHE	CD1-CE1	7.23	1.60	1.38
2	3F	35	PHE	CD1-CE1	7.23	1.60	1.38
2	4B	35	PHE	CD1-CE1	7.23	1.60	1.38
2	4N	35	PHE	CD1-CE1	7.23	1.60	1.38
2	4V	35	PHE	CD1-CE1	7.23	1.60	1.38
2	5R	35	PHE	CD1-CE1	7.23	1.60	1.38
2	6J	35	PHE	CD1-CE1	7.23	1.60	1.38
2	6R	35	PHE	CD1-CE1	7.23	1.60	1.38
2	7N	35	PHE	CD1-CE1	7.23	1.60	1.38
2	1F	55	PRO	CA-CB	7.22	1.64	1.53
2	2N	55	PRO	CA-CB	7.22	1.64	1.53
2	23	55	PRO	CA-CB	7.22	1.64	1.53
2	3N	55	PRO	CA-CB	7.22	1.64	1.53
2	37	55	PRO	CA-CB	7.22	1.64	1.53
2	4J	55	PRO	CA-CB	7.22	1.64	1.53
2	4R	55	PRO	CA-CB	7.22	1.64	1.53
2	5Z	55	PRO	CA-CB	7.22	1.64	1.53
2	6F	55	PRO	CA-CB	7.22	1.64	1.53
2	6Z	55	PRO	CA-CB	7.22	1.64	1.53
2	7J	55	PRO	CA-CB	7.22	1.64	1.53
2	7V	55	PRO	CA-CB	7.22	1.64	1.53
2	13	29	MET	CA-CB	-7.22	1.42	1.53
2	17	29	MET	CA-CB	-7.22	1.42	1.53
2	2B	29	MET	CA-CB	-7.22	1.42	1.53
2	3R	29	MET	CA-CB	-7.22	1.42	1.53
2	3V	29	MET	CA-CB	-7.22	1.42	1.53
2	3Z	29	MET	CA-CB	-7.22	1.42	1.53
2	5F	29	MET	CA-CB	-7.22	1.42	1.53
2	5J	29	MET	CA-CB	-7.22	1.42	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	29	MET	CA-CB	-7.22	1.42	1.53
2	63	29	MET	CA-CB	-7.22	1.42	1.53
2	67	29	MET	CA-CB	-7.22	1.42	1.53
2	7B	29	MET	CA-CB	-7.22	1.42	1.53
2	1R	6	LYS	C-O	-7.22	1.14	1.24
2	1V	6	LYS	C-O	-7.22	1.14	1.24
2	1Z	6	LYS	C-O	-7.22	1.14	1.24
2	2R	6	LYS	C-O	-7.22	1.14	1.24
2	2V	6	LYS	C-O	-7.22	1.14	1.24
2	2Z	6	LYS	C-O	-7.22	1.14	1.24
2	43	6	LYS	C-O	-7.22	1.14	1.24
2	47	6	LYS	C-O	-7.22	1.14	1.24
2	5B	6	LYS	C-O	-7.22	1.14	1.24
2	53	6	LYS	C-O	-7.22	1.14	1.24
2	57	6	LYS	C-O	-7.22	1.14	1.24
2	6B	6	LYS	C-O	-7.22	1.14	1.24
1	1Q	79	THR	N-CA	7.21	1.54	1.46
1	1U	79	THR	N-CA	7.21	1.54	1.46
1	1Y	79	THR	N-CA	7.21	1.54	1.46
1	2Q	79	THR	N-CA	7.21	1.54	1.46
1	2U	79	THR	N-CA	7.21	1.54	1.46
1	2Y	79	THR	N-CA	7.21	1.54	1.46
1	42	79	THR	N-CA	7.21	1.54	1.46
1	46	79	THR	N-CA	7.21	1.54	1.46
1	5A	79	THR	N-CA	7.21	1.54	1.46
1	52	79	THR	N-CA	7.21	1.54	1.46
1	56	79	THR	N-CA	7.21	1.54	1.46
1	6A	79	THR	N-CA	7.21	1.54	1.46
2	1N	29	MET	CA-CB	-7.21	1.42	1.53
2	2J	29	MET	CA-CB	-7.21	1.42	1.53
2	3B	29	MET	CA-CB	-7.21	1.42	1.53
2	3J	29	MET	CA-CB	-7.21	1.42	1.53
2	33	29	MET	CA-CB	-7.21	1.42	1.53
2	4F	29	MET	CA-CB	-7.21	1.42	1.53
2	4Z	29	MET	CA-CB	-7.21	1.42	1.53
2	5V	29	MET	CA-CB	-7.21	1.42	1.53
2	6N	29	MET	CA-CB	-7.21	1.42	1.53
2	6V	29	MET	CA-CB	-7.21	1.42	1.53
2	7F	29	MET	CA-CB	-7.21	1.42	1.53
2	7R	29	MET	CA-CB	-7.21	1.42	1.53
1	1A	79	THR	N-CA	7.20	1.54	1.46
1	1A	183	GLN	CG-CD	7.20	1.70	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1I	79	THR	N-CA	7.20	1.54	1.46
1	1I	183	GLN	CG-CD	7.20	1.70	1.52
1	2E	79	THR	N-CA	7.20	1.54	1.46
1	2E	183	GLN	CG-CD	7.20	1.70	1.52
1	26	79	THR	N-CA	7.20	1.54	1.46
1	26	183	GLN	CG-CD	7.20	1.70	1.52
1	3E	79	THR	N-CA	7.20	1.54	1.46
1	3E	183	GLN	CG-CD	7.20	1.70	1.52
1	4A	79	THR	N-CA	7.20	1.54	1.46
1	4A	183	GLN	CG-CD	7.20	1.70	1.52
1	4M	79	THR	N-CA	7.20	1.54	1.46
1	4M	183	GLN	CG-CD	7.20	1.70	1.52
1	4U	79	THR	N-CA	7.20	1.54	1.46
1	4U	183	GLN	CG-CD	7.20	1.70	1.52
1	5Q	79	THR	N-CA	7.20	1.54	1.46
1	5Q	183	GLN	CG-CD	7.20	1.70	1.52
1	6I	79	THR	N-CA	7.20	1.54	1.46
1	6I	183	GLN	CG-CD	7.20	1.70	1.52
1	6Q	79	THR	N-CA	7.20	1.54	1.46
1	6Q	183	GLN	CG-CD	7.20	1.70	1.52
1	7M	79	THR	N-CA	7.20	1.54	1.46
1	7M	183	GLN	CG-CD	7.20	1.70	1.52
1	1E	79	THR	N-CA	7.20	1.54	1.46
1	2M	79	THR	N-CA	7.20	1.54	1.46
1	22	79	THR	N-CA	7.20	1.54	1.46
1	3M	79	THR	N-CA	7.20	1.54	1.46
1	36	79	THR	N-CA	7.20	1.54	1.46
1	4I	79	THR	N-CA	7.20	1.54	1.46
1	4Q	79	THR	N-CA	7.20	1.54	1.46
1	5Y	79	THR	N-CA	7.20	1.54	1.46
1	6E	79	THR	N-CA	7.20	1.54	1.46
1	6Y	79	THR	N-CA	7.20	1.54	1.46
1	7I	79	THR	N-CA	7.20	1.54	1.46
1	7U	79	THR	N-CA	7.20	1.54	1.46
1	1M	183	GLN	CG-CD	7.20	1.70	1.52
1	2I	183	GLN	CG-CD	7.20	1.70	1.52
1	3A	183	GLN	CG-CD	7.20	1.70	1.52
1	3I	183	GLN	CG-CD	7.20	1.70	1.52
1	32	183	GLN	CG-CD	7.20	1.70	1.52
1	4E	183	GLN	CG-CD	7.20	1.70	1.52
1	4Y	183	GLN	CG-CD	7.20	1.70	1.52
1	5U	183	GLN	CG-CD	7.20	1.70	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	183	GLN	CG-CD	7.20	1.70	1.52
1	6U	183	GLN	CG-CD	7.20	1.70	1.52
1	7E	183	GLN	CG-CD	7.20	1.70	1.52
1	7Q	183	GLN	CG-CD	7.20	1.70	1.52
1	1E	183	GLN	CG-CD	7.20	1.70	1.52
1	1Q	80	PHE	C-O	7.20	1.33	1.24
1	1Q	183	GLN	CG-CD	7.20	1.70	1.52
1	1U	80	PHE	C-O	7.20	1.33	1.24
1	1U	183	GLN	CG-CD	7.20	1.70	1.52
1	1Y	80	PHE	C-O	7.20	1.33	1.24
1	1Y	183	GLN	CG-CD	7.20	1.70	1.52
1	2M	183	GLN	CG-CD	7.20	1.70	1.52
1	2Q	80	PHE	C-O	7.20	1.33	1.24
1	2Q	183	GLN	CG-CD	7.20	1.70	1.52
1	2U	80	PHE	C-O	7.20	1.33	1.24
1	2U	183	GLN	CG-CD	7.20	1.70	1.52
1	2Y	80	PHE	C-O	7.20	1.33	1.24
1	2Y	183	GLN	CG-CD	7.20	1.70	1.52
1	22	183	GLN	CG-CD	7.20	1.70	1.52
1	3M	183	GLN	CG-CD	7.20	1.70	1.52
1	36	183	GLN	CG-CD	7.20	1.70	1.52
1	4I	183	GLN	CG-CD	7.20	1.70	1.52
1	4Q	183	GLN	CG-CD	7.20	1.70	1.52
1	42	80	PHE	C-O	7.20	1.33	1.24
1	42	183	GLN	CG-CD	7.20	1.70	1.52
1	46	80	PHE	C-O	7.20	1.33	1.24
1	46	183	GLN	CG-CD	7.20	1.70	1.52
1	5A	80	PHE	C-O	7.20	1.33	1.24
1	5A	183	GLN	CG-CD	7.20	1.70	1.52
1	5Y	183	GLN	CG-CD	7.20	1.70	1.52
1	52	80	PHE	C-O	7.20	1.33	1.24
1	52	183	GLN	CG-CD	7.20	1.70	1.52
1	56	80	PHE	C-O	7.20	1.33	1.24
1	56	183	GLN	CG-CD	7.20	1.70	1.52
1	6A	80	PHE	C-O	7.20	1.33	1.24
1	6A	183	GLN	CG-CD	7.20	1.70	1.52
1	6E	183	GLN	CG-CD	7.20	1.70	1.52
1	6Y	183	GLN	CG-CD	7.20	1.70	1.52
1	7I	183	GLN	CG-CD	7.20	1.70	1.52
1	7U	183	GLN	CG-CD	7.20	1.70	1.52
2	1N	6	LYS	C-O	-7.20	1.15	1.24
2	2J	6	LYS	C-O	-7.20	1.15	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	6	LYS	C-O	-7.20	1.15	1.24
2	3J	6	LYS	C-O	-7.20	1.15	1.24
2	33	6	LYS	C-O	-7.20	1.15	1.24
2	4F	6	LYS	C-O	-7.20	1.15	1.24
2	4Z	6	LYS	C-O	-7.20	1.15	1.24
2	5V	6	LYS	C-O	-7.20	1.15	1.24
2	6N	6	LYS	C-O	-7.20	1.15	1.24
2	6V	6	LYS	C-O	-7.20	1.15	1.24
2	7F	6	LYS	C-O	-7.20	1.15	1.24
2	7R	6	LYS	C-O	-7.20	1.15	1.24
1	12	183	GLN	CG-CD	7.19	1.70	1.52
1	16	183	GLN	CG-CD	7.19	1.70	1.52
1	2A	183	GLN	CG-CD	7.19	1.70	1.52
1	3Q	183	GLN	CG-CD	7.19	1.70	1.52
1	3U	183	GLN	CG-CD	7.19	1.70	1.52
1	3Y	183	GLN	CG-CD	7.19	1.70	1.52
1	5E	183	GLN	CG-CD	7.19	1.70	1.52
1	5I	183	GLN	CG-CD	7.19	1.70	1.52
1	5M	183	GLN	CG-CD	7.19	1.70	1.52
1	62	183	GLN	CG-CD	7.19	1.70	1.52
1	66	183	GLN	CG-CD	7.19	1.70	1.52
1	7A	183	GLN	CG-CD	7.19	1.70	1.52
2	1R	55	PRO	CA-CB	7.18	1.64	1.53
2	1V	55	PRO	CA-CB	7.18	1.64	1.53
2	1Z	55	PRO	CA-CB	7.18	1.64	1.53
2	2R	55	PRO	CA-CB	7.18	1.64	1.53
2	2V	55	PRO	CA-CB	7.18	1.64	1.53
2	2Z	55	PRO	CA-CB	7.18	1.64	1.53
2	43	55	PRO	CA-CB	7.18	1.64	1.53
2	47	55	PRO	CA-CB	7.18	1.64	1.53
2	5B	55	PRO	CA-CB	7.18	1.64	1.53
2	53	55	PRO	CA-CB	7.18	1.64	1.53
2	57	55	PRO	CA-CB	7.18	1.64	1.53
2	6B	55	PRO	CA-CB	7.18	1.64	1.53
2	1B	55	PRO	CA-CB	7.18	1.64	1.53
2	1J	55	PRO	CA-CB	7.18	1.64	1.53
2	2F	55	PRO	CA-CB	7.18	1.64	1.53
2	27	55	PRO	CA-CB	7.18	1.64	1.53
2	3F	55	PRO	CA-CB	7.18	1.64	1.53
2	4B	55	PRO	CA-CB	7.18	1.64	1.53
2	4N	55	PRO	CA-CB	7.18	1.64	1.53
2	4V	55	PRO	CA-CB	7.18	1.64	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	55	PRO	CA-CB	7.18	1.64	1.53
2	6J	55	PRO	CA-CB	7.18	1.64	1.53
2	6R	55	PRO	CA-CB	7.18	1.64	1.53
2	7N	55	PRO	CA-CB	7.18	1.64	1.53
1	1A	80	PHE	C-O	7.18	1.33	1.24
1	1I	80	PHE	C-O	7.18	1.33	1.24
1	12	80	PHE	C-O	7.18	1.33	1.24
1	16	80	PHE	C-O	7.18	1.33	1.24
1	2A	80	PHE	C-O	7.18	1.33	1.24
1	2E	80	PHE	C-O	7.18	1.33	1.24
1	26	80	PHE	C-O	7.18	1.33	1.24
1	3E	80	PHE	C-O	7.18	1.33	1.24
1	3Q	80	PHE	C-O	7.18	1.33	1.24
1	3U	80	PHE	C-O	7.18	1.33	1.24
1	3Y	80	PHE	C-O	7.18	1.33	1.24
1	4A	80	PHE	C-O	7.18	1.33	1.24
1	4M	80	PHE	C-O	7.18	1.33	1.24
1	4U	80	PHE	C-O	7.18	1.33	1.24
1	5E	80	PHE	C-O	7.18	1.33	1.24
1	5I	80	PHE	C-O	7.18	1.33	1.24
1	5M	80	PHE	C-O	7.18	1.33	1.24
1	5Q	80	PHE	C-O	7.18	1.33	1.24
1	6I	80	PHE	C-O	7.18	1.33	1.24
1	6Q	80	PHE	C-O	7.18	1.33	1.24
1	62	80	PHE	C-O	7.18	1.33	1.24
1	66	80	PHE	C-O	7.18	1.33	1.24
1	7A	80	PHE	C-O	7.18	1.33	1.24
1	7M	80	PHE	C-O	7.18	1.33	1.24
2	1N	55	PRO	CA-CB	7.18	1.63	1.53
1	1Q	26	ALA	C-N	7.18	1.43	1.34
1	1U	26	ALA	C-N	7.18	1.43	1.34
1	1Y	26	ALA	C-N	7.18	1.43	1.34
2	13	55	PRO	CA-CB	7.18	1.63	1.53
2	17	55	PRO	CA-CB	7.18	1.63	1.53
2	2B	55	PRO	CA-CB	7.18	1.63	1.53
2	2J	55	PRO	CA-CB	7.18	1.63	1.53
1	2Q	26	ALA	C-N	7.18	1.43	1.34
1	2U	26	ALA	C-N	7.18	1.43	1.34
1	2Y	26	ALA	C-N	7.18	1.43	1.34
2	3B	55	PRO	CA-CB	7.18	1.63	1.53
2	3J	55	PRO	CA-CB	7.18	1.63	1.53
2	3R	55	PRO	CA-CB	7.18	1.63	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3V	55	PRO	CA-CB	7.18	1.63	1.53
2	3Z	55	PRO	CA-CB	7.18	1.63	1.53
2	33	55	PRO	CA-CB	7.18	1.63	1.53
2	4F	55	PRO	CA-CB	7.18	1.63	1.53
2	4Z	55	PRO	CA-CB	7.18	1.63	1.53
1	42	26	ALA	C-N	7.18	1.43	1.34
1	46	26	ALA	C-N	7.18	1.43	1.34
1	5A	26	ALA	C-N	7.18	1.43	1.34
2	5F	55	PRO	CA-CB	7.18	1.63	1.53
2	5J	55	PRO	CA-CB	7.18	1.63	1.53
2	5N	55	PRO	CA-CB	7.18	1.63	1.53
2	5V	55	PRO	CA-CB	7.18	1.63	1.53
1	52	26	ALA	C-N	7.18	1.43	1.34
1	56	26	ALA	C-N	7.18	1.43	1.34
1	6A	26	ALA	C-N	7.18	1.43	1.34
2	6N	55	PRO	CA-CB	7.18	1.63	1.53
2	6V	55	PRO	CA-CB	7.18	1.63	1.53
2	63	55	PRO	CA-CB	7.18	1.63	1.53
2	67	55	PRO	CA-CB	7.18	1.63	1.53
2	7B	55	PRO	CA-CB	7.18	1.63	1.53
2	7F	55	PRO	CA-CB	7.18	1.63	1.53
2	7R	55	PRO	CA-CB	7.18	1.63	1.53
2	1R	225	ASN	C-N	7.17	1.43	1.33
2	1V	225	ASN	C-N	7.17	1.43	1.33
2	1Z	225	ASN	C-N	7.17	1.43	1.33
2	2R	225	ASN	C-N	7.17	1.43	1.33
2	2V	225	ASN	C-N	7.17	1.43	1.33
2	2Z	225	ASN	C-N	7.17	1.43	1.33
2	43	225	ASN	C-N	7.17	1.43	1.33
2	47	225	ASN	C-N	7.17	1.43	1.33
2	5B	225	ASN	C-N	7.17	1.43	1.33
2	53	225	ASN	C-N	7.17	1.43	1.33
2	57	225	ASN	C-N	7.17	1.43	1.33
2	6B	225	ASN	C-N	7.17	1.43	1.33
1	1E	181	THR	C-N	-7.17	1.23	1.33
1	2M	181	THR	C-N	-7.17	1.23	1.33
1	22	181	THR	C-N	-7.17	1.23	1.33
1	3M	181	THR	C-N	-7.17	1.23	1.33
1	36	181	THR	C-N	-7.17	1.23	1.33
1	4I	181	THR	C-N	-7.17	1.23	1.33
1	4Q	181	THR	C-N	-7.17	1.23	1.33
1	5Y	181	THR	C-N	-7.17	1.23	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	181	THR	C-N	-7.17	1.23	1.33
1	6Y	181	THR	C-N	-7.17	1.23	1.33
1	7I	181	THR	C-N	-7.17	1.23	1.33
1	7U	181	THR	C-N	-7.17	1.23	1.33
1	1E	80	PHE	C-O	7.17	1.33	1.24
1	2M	80	PHE	C-O	7.17	1.33	1.24
1	22	80	PHE	C-O	7.17	1.33	1.24
1	3M	80	PHE	C-O	7.17	1.33	1.24
1	36	80	PHE	C-O	7.17	1.33	1.24
1	4I	80	PHE	C-O	7.17	1.33	1.24
1	4Q	80	PHE	C-O	7.17	1.33	1.24
1	5Y	80	PHE	C-O	7.17	1.33	1.24
1	6E	80	PHE	C-O	7.17	1.33	1.24
1	6Y	80	PHE	C-O	7.17	1.33	1.24
1	7I	80	PHE	C-O	7.17	1.33	1.24
1	7U	80	PHE	C-O	7.17	1.33	1.24
1	12	79	THR	N-CA	7.17	1.54	1.46
1	16	79	THR	N-CA	7.17	1.54	1.46
1	2A	79	THR	N-CA	7.17	1.54	1.46
1	3Q	79	THR	N-CA	7.17	1.54	1.46
1	3U	79	THR	N-CA	7.17	1.54	1.46
1	3Y	79	THR	N-CA	7.17	1.54	1.46
1	5E	79	THR	N-CA	7.17	1.54	1.46
1	5I	79	THR	N-CA	7.17	1.54	1.46
1	5M	79	THR	N-CA	7.17	1.54	1.46
1	62	79	THR	N-CA	7.17	1.54	1.46
1	66	79	THR	N-CA	7.17	1.54	1.46
1	7A	79	THR	N-CA	7.17	1.54	1.46
1	1A	26	ALA	C-N	7.16	1.43	1.34
2	1B	3	PRO	C-O	7.16	1.30	1.23
2	1F	6	LYS	C-O	-7.16	1.15	1.24
1	1I	26	ALA	C-N	7.16	1.43	1.34
2	1J	3	PRO	C-O	7.16	1.30	1.23
1	2E	26	ALA	C-N	7.16	1.43	1.34
2	2F	3	PRO	C-O	7.16	1.30	1.23
2	2N	6	LYS	C-O	-7.16	1.15	1.24
2	23	6	LYS	C-O	-7.16	1.15	1.24
1	26	26	ALA	C-N	7.16	1.43	1.34
2	27	3	PRO	C-O	7.16	1.30	1.23
1	3E	26	ALA	C-N	7.16	1.43	1.34
2	3F	3	PRO	C-O	7.16	1.30	1.23
2	3N	6	LYS	C-O	-7.16	1.15	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	37	6	LYS	C-O	-7.16	1.15	1.24
1	4A	26	ALA	C-N	7.16	1.43	1.34
2	4B	3	PRO	C-O	7.16	1.30	1.23
2	4J	6	LYS	C-O	-7.16	1.15	1.24
1	4M	26	ALA	C-N	7.16	1.43	1.34
2	4N	3	PRO	C-O	7.16	1.30	1.23
2	4R	6	LYS	C-O	-7.16	1.15	1.24
1	4U	26	ALA	C-N	7.16	1.43	1.34
2	4V	3	PRO	C-O	7.16	1.30	1.23
1	5Q	26	ALA	C-N	7.16	1.43	1.34
2	5R	3	PRO	C-O	7.16	1.30	1.23
2	5Z	6	LYS	C-O	-7.16	1.15	1.24
2	6F	6	LYS	C-O	-7.16	1.15	1.24
1	6I	26	ALA	C-N	7.16	1.43	1.34
2	6J	3	PRO	C-O	7.16	1.30	1.23
1	6Q	26	ALA	C-N	7.16	1.43	1.34
2	6R	3	PRO	C-O	7.16	1.30	1.23
2	6Z	6	LYS	C-O	-7.16	1.15	1.24
2	7J	6	LYS	C-O	-7.16	1.15	1.24
1	7M	26	ALA	C-N	7.16	1.43	1.34
2	7N	3	PRO	C-O	7.16	1.30	1.23
2	7V	6	LYS	C-O	-7.16	1.15	1.24
2	1B	6	LYS	C-O	-7.16	1.15	1.24
2	1J	6	LYS	C-O	-7.16	1.15	1.24
2	1R	3	PRO	C-O	7.16	1.30	1.23
2	1V	3	PRO	C-O	7.16	1.30	1.23
2	1Z	3	PRO	C-O	7.16	1.30	1.23
2	2F	6	LYS	C-O	-7.16	1.15	1.24
2	2R	3	PRO	C-O	7.16	1.30	1.23
2	2V	3	PRO	C-O	7.16	1.30	1.23
2	2Z	3	PRO	C-O	7.16	1.30	1.23
2	27	6	LYS	C-O	-7.16	1.15	1.24
2	3F	6	LYS	C-O	-7.16	1.15	1.24
2	4B	6	LYS	C-O	-7.16	1.15	1.24
2	4N	6	LYS	C-O	-7.16	1.15	1.24
2	4V	6	LYS	C-O	-7.16	1.15	1.24
2	43	3	PRO	C-O	7.16	1.30	1.23
2	47	3	PRO	C-O	7.16	1.30	1.23
2	5B	3	PRO	C-O	7.16	1.30	1.23
2	5R	6	LYS	C-O	-7.16	1.15	1.24
2	53	3	PRO	C-O	7.16	1.30	1.23
2	57	3	PRO	C-O	7.16	1.30	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	3	PRO	C-O	7.16	1.30	1.23
2	6J	6	LYS	C-O	-7.16	1.15	1.24
2	6R	6	LYS	C-O	-7.16	1.15	1.24
2	7N	6	LYS	C-O	-7.16	1.15	1.24
2	1F	3	PRO	C-O	7.16	1.30	1.23
2	2N	3	PRO	C-O	7.16	1.30	1.23
2	23	3	PRO	C-O	7.16	1.30	1.23
2	3N	3	PRO	C-O	7.16	1.30	1.23
2	37	3	PRO	C-O	7.16	1.30	1.23
2	4J	3	PRO	C-O	7.16	1.30	1.23
2	4R	3	PRO	C-O	7.16	1.30	1.23
2	5Z	3	PRO	C-O	7.16	1.30	1.23
2	6F	3	PRO	C-O	7.16	1.30	1.23
2	6Z	3	PRO	C-O	7.16	1.30	1.23
2	7J	3	PRO	C-O	7.16	1.30	1.23
2	7V	3	PRO	C-O	7.16	1.30	1.23
2	1N	3	PRO	C-O	7.16	1.30	1.23
2	2J	3	PRO	C-O	7.16	1.30	1.23
2	3B	3	PRO	C-O	7.16	1.30	1.23
2	3J	3	PRO	C-O	7.16	1.30	1.23
2	33	3	PRO	C-O	7.16	1.30	1.23
2	4F	3	PRO	C-O	7.16	1.30	1.23
2	4Z	3	PRO	C-O	7.16	1.30	1.23
2	5V	3	PRO	C-O	7.16	1.30	1.23
2	6N	3	PRO	C-O	7.16	1.30	1.23
2	6V	3	PRO	C-O	7.16	1.30	1.23
2	7F	3	PRO	C-O	7.16	1.30	1.23
2	7R	3	PRO	C-O	7.16	1.30	1.23
2	1B	226	ILE	CB-CG2	-7.15	1.28	1.52
2	1J	226	ILE	CB-CG2	-7.15	1.28	1.52
2	2F	226	ILE	CB-CG2	-7.15	1.28	1.52
2	27	226	ILE	CB-CG2	-7.15	1.28	1.52
2	3F	226	ILE	CB-CG2	-7.15	1.28	1.52
2	4B	226	ILE	CB-CG2	-7.15	1.28	1.52
2	4N	226	ILE	CB-CG2	-7.15	1.28	1.52
2	4V	226	ILE	CB-CG2	-7.15	1.28	1.52
2	5R	226	ILE	CB-CG2	-7.15	1.28	1.52
2	6J	226	ILE	CB-CG2	-7.15	1.28	1.52
2	6R	226	ILE	CB-CG2	-7.15	1.28	1.52
2	7N	226	ILE	CB-CG2	-7.15	1.28	1.52
2	1F	226	ILE	CB-CG2	-7.15	1.28	1.52
1	1M	80	PHE	C-O	7.15	1.33	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	13	6	LYS	C-O	-7.15	1.15	1.24
2	13	226	ILE	CB-CG2	-7.15	1.28	1.52
2	17	6	LYS	C-O	-7.15	1.15	1.24
2	17	226	ILE	CB-CG2	-7.15	1.28	1.52
2	2B	6	LYS	C-O	-7.15	1.15	1.24
2	2B	226	ILE	CB-CG2	-7.15	1.28	1.52
1	2I	80	PHE	C-O	7.15	1.33	1.24
2	2N	226	ILE	CB-CG2	-7.15	1.28	1.52
2	23	226	ILE	CB-CG2	-7.15	1.28	1.52
1	3A	80	PHE	C-O	7.15	1.33	1.24
1	3I	80	PHE	C-O	7.15	1.33	1.24
2	3N	226	ILE	CB-CG2	-7.15	1.28	1.52
2	3R	6	LYS	C-O	-7.15	1.15	1.24
2	3R	226	ILE	CB-CG2	-7.15	1.28	1.52
2	3V	6	LYS	C-O	-7.15	1.15	1.24
2	3V	226	ILE	CB-CG2	-7.15	1.28	1.52
2	3Z	6	LYS	C-O	-7.15	1.15	1.24
2	3Z	226	ILE	CB-CG2	-7.15	1.28	1.52
1	32	80	PHE	C-O	7.15	1.33	1.24
2	37	226	ILE	CB-CG2	-7.15	1.28	1.52
1	4E	80	PHE	C-O	7.15	1.33	1.24
2	4J	226	ILE	CB-CG2	-7.15	1.28	1.52
2	4R	226	ILE	CB-CG2	-7.15	1.28	1.52
1	4Y	80	PHE	C-O	7.15	1.33	1.24
2	5F	6	LYS	C-O	-7.15	1.15	1.24
2	5F	226	ILE	CB-CG2	-7.15	1.28	1.52
2	5J	6	LYS	C-O	-7.15	1.15	1.24
2	5J	226	ILE	CB-CG2	-7.15	1.28	1.52
2	5N	6	LYS	C-O	-7.15	1.15	1.24
2	5N	226	ILE	CB-CG2	-7.15	1.28	1.52
1	5U	80	PHE	C-O	7.15	1.33	1.24
2	5Z	226	ILE	CB-CG2	-7.15	1.28	1.52
2	6F	226	ILE	CB-CG2	-7.15	1.28	1.52
1	6M	80	PHE	C-O	7.15	1.33	1.24
1	6U	80	PHE	C-O	7.15	1.33	1.24
2	6Z	226	ILE	CB-CG2	-7.15	1.28	1.52
2	63	6	LYS	C-O	-7.15	1.15	1.24
2	63	226	ILE	CB-CG2	-7.15	1.28	1.52
2	67	6	LYS	C-O	-7.15	1.15	1.24
2	67	226	ILE	CB-CG2	-7.15	1.28	1.52
2	7B	6	LYS	C-O	-7.15	1.15	1.24
2	7B	226	ILE	CB-CG2	-7.15	1.28	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7E	80	PHE	C-O	7.15	1.33	1.24
2	7J	226	ILE	CB-CG2	-7.15	1.28	1.52
1	7Q	80	PHE	C-O	7.15	1.33	1.24
2	7V	226	ILE	CB-CG2	-7.15	1.28	1.52
1	1M	79	THR	N-CA	7.15	1.54	1.46
1	12	26	ALA	C-N	7.15	1.43	1.34
1	16	26	ALA	C-N	7.15	1.43	1.34
1	2A	26	ALA	C-N	7.15	1.43	1.34
1	2I	79	THR	N-CA	7.15	1.54	1.46
1	3A	79	THR	N-CA	7.15	1.54	1.46
1	3I	79	THR	N-CA	7.15	1.54	1.46
1	3Q	26	ALA	C-N	7.15	1.43	1.34
1	3U	26	ALA	C-N	7.15	1.43	1.34
1	3Y	26	ALA	C-N	7.15	1.43	1.34
1	32	79	THR	N-CA	7.15	1.54	1.46
1	4E	79	THR	N-CA	7.15	1.54	1.46
1	4Y	79	THR	N-CA	7.15	1.54	1.46
1	5E	26	ALA	C-N	7.15	1.43	1.34
1	5I	26	ALA	C-N	7.15	1.43	1.34
1	5M	26	ALA	C-N	7.15	1.43	1.34
1	5U	79	THR	N-CA	7.15	1.54	1.46
1	6M	79	THR	N-CA	7.15	1.54	1.46
1	6U	79	THR	N-CA	7.15	1.54	1.46
1	62	26	ALA	C-N	7.15	1.43	1.34
1	66	26	ALA	C-N	7.15	1.43	1.34
1	7A	26	ALA	C-N	7.15	1.43	1.34
1	7E	79	THR	N-CA	7.15	1.54	1.46
1	7Q	79	THR	N-CA	7.15	1.54	1.46
1	1E	26	ALA	C-N	7.14	1.43	1.34
2	1R	226	ILE	CB-CG2	-7.14	1.28	1.52
2	1V	226	ILE	CB-CG2	-7.14	1.28	1.52
2	1Z	226	ILE	CB-CG2	-7.14	1.28	1.52
1	2M	26	ALA	C-N	7.14	1.43	1.34
2	2R	226	ILE	CB-CG2	-7.14	1.28	1.52
2	2V	226	ILE	CB-CG2	-7.14	1.28	1.52
2	2Z	226	ILE	CB-CG2	-7.14	1.28	1.52
1	22	26	ALA	C-N	7.14	1.43	1.34
1	3M	26	ALA	C-N	7.14	1.43	1.34
1	36	26	ALA	C-N	7.14	1.43	1.34
1	4I	26	ALA	C-N	7.14	1.43	1.34
1	4Q	26	ALA	C-N	7.14	1.43	1.34
2	43	226	ILE	CB-CG2	-7.14	1.28	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	226	ILE	CB-CG2	-7.14	1.28	1.52
2	5B	226	ILE	CB-CG2	-7.14	1.28	1.52
1	5Y	26	ALA	C-N	7.14	1.43	1.34
2	53	226	ILE	CB-CG2	-7.14	1.28	1.52
2	57	226	ILE	CB-CG2	-7.14	1.28	1.52
2	6B	226	ILE	CB-CG2	-7.14	1.28	1.52
1	6E	26	ALA	C-N	7.14	1.43	1.34
1	6Y	26	ALA	C-N	7.14	1.43	1.34
1	7I	26	ALA	C-N	7.14	1.43	1.34
1	7U	26	ALA	C-N	7.14	1.43	1.34
1	1M	148	LEU	CG-CD1	-7.14	1.28	1.52
2	1N	226	ILE	CB-CG2	-7.14	1.28	1.52
1	2I	148	LEU	CG-CD1	-7.14	1.28	1.52
2	2J	226	ILE	CB-CG2	-7.14	1.28	1.52
1	3A	148	LEU	CG-CD1	-7.14	1.28	1.52
2	3B	226	ILE	CB-CG2	-7.14	1.28	1.52
1	3I	148	LEU	CG-CD1	-7.14	1.28	1.52
2	3J	226	ILE	CB-CG2	-7.14	1.28	1.52
1	32	148	LEU	CG-CD1	-7.14	1.28	1.52
2	33	226	ILE	CB-CG2	-7.14	1.28	1.52
1	4E	148	LEU	CG-CD1	-7.14	1.28	1.52
2	4F	226	ILE	CB-CG2	-7.14	1.28	1.52
1	4Y	148	LEU	CG-CD1	-7.14	1.28	1.52
2	4Z	226	ILE	CB-CG2	-7.14	1.28	1.52
1	5U	148	LEU	CG-CD1	-7.14	1.28	1.52
2	5V	226	ILE	CB-CG2	-7.14	1.28	1.52
1	6M	148	LEU	CG-CD1	-7.14	1.28	1.52
2	6N	226	ILE	CB-CG2	-7.14	1.28	1.52
1	6U	148	LEU	CG-CD1	-7.14	1.28	1.52
2	6V	226	ILE	CB-CG2	-7.14	1.28	1.52
1	7E	148	LEU	CG-CD1	-7.14	1.28	1.52
2	7F	226	ILE	CB-CG2	-7.14	1.28	1.52
1	7Q	148	LEU	CG-CD1	-7.14	1.28	1.52
2	7R	226	ILE	CB-CG2	-7.14	1.28	1.52
2	13	3	PRO	C-O	7.14	1.30	1.23
2	17	3	PRO	C-O	7.14	1.30	1.23
2	2B	3	PRO	C-O	7.14	1.30	1.23
2	3R	3	PRO	C-O	7.14	1.30	1.23
2	3V	3	PRO	C-O	7.14	1.30	1.23
2	3Z	3	PRO	C-O	7.14	1.30	1.23
2	5F	3	PRO	C-O	7.14	1.30	1.23
2	5J	3	PRO	C-O	7.14	1.30	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	3	PRO	C-O	7.14	1.30	1.23
2	63	3	PRO	C-O	7.14	1.30	1.23
2	67	3	PRO	C-O	7.14	1.30	1.23
2	7B	3	PRO	C-O	7.14	1.30	1.23
2	1N	23	HIS	CA-C	7.14	1.61	1.52
1	12	148	LEU	CG-CD1	-7.14	1.28	1.52
1	16	148	LEU	CG-CD1	-7.14	1.28	1.52
1	2A	148	LEU	CG-CD1	-7.14	1.28	1.52
2	2J	23	HIS	CA-C	7.14	1.61	1.52
2	3B	23	HIS	CA-C	7.14	1.61	1.52
2	3J	23	HIS	CA-C	7.14	1.61	1.52
1	3Q	148	LEU	CG-CD1	-7.14	1.28	1.52
1	3U	148	LEU	CG-CD1	-7.14	1.28	1.52
1	3Y	148	LEU	CG-CD1	-7.14	1.28	1.52
2	33	23	HIS	CA-C	7.14	1.61	1.52
2	4F	23	HIS	CA-C	7.14	1.61	1.52
2	4Z	23	HIS	CA-C	7.14	1.61	1.52
1	5E	148	LEU	CG-CD1	-7.14	1.28	1.52
1	5I	148	LEU	CG-CD1	-7.14	1.28	1.52
1	5M	148	LEU	CG-CD1	-7.14	1.28	1.52
2	5V	23	HIS	CA-C	7.14	1.61	1.52
2	6N	23	HIS	CA-C	7.14	1.61	1.52
2	6V	23	HIS	CA-C	7.14	1.61	1.52
1	62	148	LEU	CG-CD1	-7.14	1.28	1.52
1	66	148	LEU	CG-CD1	-7.14	1.28	1.52
1	7A	148	LEU	CG-CD1	-7.14	1.28	1.52
2	7F	23	HIS	CA-C	7.14	1.61	1.52
2	7R	23	HIS	CA-C	7.14	1.61	1.52
1	1A	148	LEU	CG-CD1	-7.13	1.29	1.52
1	1A	181	THR	C-N	-7.13	1.23	1.33
1	1I	148	LEU	CG-CD1	-7.13	1.29	1.52
1	1I	181	THR	C-N	-7.13	1.23	1.33
1	12	181	THR	C-N	-7.13	1.23	1.33
1	16	181	THR	C-N	-7.13	1.23	1.33
1	2A	181	THR	C-N	-7.13	1.23	1.33
1	2E	148	LEU	CG-CD1	-7.13	1.29	1.52
1	2E	181	THR	C-N	-7.13	1.23	1.33
1	26	148	LEU	CG-CD1	-7.13	1.29	1.52
1	26	181	THR	C-N	-7.13	1.23	1.33
1	3E	148	LEU	CG-CD1	-7.13	1.29	1.52
1	3E	181	THR	C-N	-7.13	1.23	1.33
1	3Q	181	THR	C-N	-7.13	1.23	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3U	181	THR	C-N	-7.13	1.23	1.33
1	3Y	181	THR	C-N	-7.13	1.23	1.33
1	4A	148	LEU	CG-CD1	-7.13	1.29	1.52
1	4A	181	THR	C-N	-7.13	1.23	1.33
1	4M	148	LEU	CG-CD1	-7.13	1.29	1.52
1	4M	181	THR	C-N	-7.13	1.23	1.33
1	4U	148	LEU	CG-CD1	-7.13	1.29	1.52
1	4U	181	THR	C-N	-7.13	1.23	1.33
1	5E	181	THR	C-N	-7.13	1.23	1.33
1	5I	181	THR	C-N	-7.13	1.23	1.33
1	5M	181	THR	C-N	-7.13	1.23	1.33
1	5Q	148	LEU	CG-CD1	-7.13	1.29	1.52
1	5Q	181	THR	C-N	-7.13	1.23	1.33
1	6I	148	LEU	CG-CD1	-7.13	1.29	1.52
1	6I	181	THR	C-N	-7.13	1.23	1.33
1	6Q	148	LEU	CG-CD1	-7.13	1.29	1.52
1	6Q	181	THR	C-N	-7.13	1.23	1.33
1	62	181	THR	C-N	-7.13	1.23	1.33
1	66	181	THR	C-N	-7.13	1.23	1.33
1	7A	181	THR	C-N	-7.13	1.23	1.33
1	7M	148	LEU	CG-CD1	-7.13	1.29	1.52
1	7M	181	THR	C-N	-7.13	1.23	1.33
1	1Q	148	LEU	CG-CD1	-7.13	1.29	1.52
1	1U	148	LEU	CG-CD1	-7.13	1.29	1.52
1	1Y	148	LEU	CG-CD1	-7.13	1.29	1.52
1	2Q	148	LEU	CG-CD1	-7.13	1.29	1.52
1	2U	148	LEU	CG-CD1	-7.13	1.29	1.52
1	2Y	148	LEU	CG-CD1	-7.13	1.29	1.52
1	42	148	LEU	CG-CD1	-7.13	1.29	1.52
1	46	148	LEU	CG-CD1	-7.13	1.29	1.52
1	5A	148	LEU	CG-CD1	-7.13	1.29	1.52
1	52	148	LEU	CG-CD1	-7.13	1.29	1.52
1	56	148	LEU	CG-CD1	-7.13	1.29	1.52
1	6A	148	LEU	CG-CD1	-7.13	1.29	1.52
1	1M	181	THR	C-N	-7.13	1.23	1.33
1	2I	181	THR	C-N	-7.13	1.23	1.33
1	3A	181	THR	C-N	-7.13	1.23	1.33
1	3I	181	THR	C-N	-7.13	1.23	1.33
1	32	181	THR	C-N	-7.13	1.23	1.33
1	4E	181	THR	C-N	-7.13	1.23	1.33
1	4Y	181	THR	C-N	-7.13	1.23	1.33
1	5U	181	THR	C-N	-7.13	1.23	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	181	THR	C-N	-7.13	1.23	1.33
1	6U	181	THR	C-N	-7.13	1.23	1.33
1	7E	181	THR	C-N	-7.13	1.23	1.33
1	7Q	181	THR	C-N	-7.13	1.23	1.33
1	12	67	GLY	C-N	-7.13	1.23	1.33
2	13	225	ASN	C-N	7.13	1.43	1.33
1	16	67	GLY	C-N	-7.13	1.23	1.33
2	17	225	ASN	C-N	7.13	1.43	1.33
1	2A	67	GLY	C-N	-7.13	1.23	1.33
2	2B	225	ASN	C-N	7.13	1.43	1.33
1	3Q	67	GLY	C-N	-7.13	1.23	1.33
2	3R	225	ASN	C-N	7.13	1.43	1.33
1	3U	67	GLY	C-N	-7.13	1.23	1.33
2	3V	225	ASN	C-N	7.13	1.43	1.33
1	3Y	67	GLY	C-N	-7.13	1.23	1.33
2	3Z	225	ASN	C-N	7.13	1.43	1.33
1	5E	67	GLY	C-N	-7.13	1.23	1.33
2	5F	225	ASN	C-N	7.13	1.43	1.33
1	5I	67	GLY	C-N	-7.13	1.23	1.33
2	5J	225	ASN	C-N	7.13	1.43	1.33
1	5M	67	GLY	C-N	-7.13	1.23	1.33
2	5N	225	ASN	C-N	7.13	1.43	1.33
1	62	67	GLY	C-N	-7.13	1.23	1.33
2	63	225	ASN	C-N	7.13	1.43	1.33
1	66	67	GLY	C-N	-7.13	1.23	1.33
2	67	225	ASN	C-N	7.13	1.43	1.33
1	7A	67	GLY	C-N	-7.13	1.23	1.33
2	7B	225	ASN	C-N	7.13	1.43	1.33
2	1B	225	ASN	C-N	7.13	1.43	1.33
1	1E	148	LEU	CG-CD1	-7.13	1.29	1.52
2	1J	225	ASN	C-N	7.13	1.43	1.33
2	2F	225	ASN	C-N	7.13	1.43	1.33
1	2M	148	LEU	CG-CD1	-7.13	1.29	1.52
1	22	148	LEU	CG-CD1	-7.13	1.29	1.52
2	27	225	ASN	C-N	7.13	1.43	1.33
2	3F	225	ASN	C-N	7.13	1.43	1.33
1	3M	148	LEU	CG-CD1	-7.13	1.29	1.52
1	36	148	LEU	CG-CD1	-7.13	1.29	1.52
2	4B	225	ASN	C-N	7.13	1.43	1.33
1	4I	148	LEU	CG-CD1	-7.13	1.29	1.52
2	4N	225	ASN	C-N	7.13	1.43	1.33
1	4Q	148	LEU	CG-CD1	-7.13	1.29	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4V	225	ASN	C-N	7.13	1.43	1.33
2	5R	225	ASN	C-N	7.13	1.43	1.33
1	5Y	148	LEU	CG-CD1	-7.13	1.29	1.52
1	6E	148	LEU	CG-CD1	-7.13	1.29	1.52
2	6J	225	ASN	C-N	7.13	1.43	1.33
2	6R	225	ASN	C-N	7.13	1.43	1.33
1	6Y	148	LEU	CG-CD1	-7.13	1.29	1.52
1	7I	148	LEU	CG-CD1	-7.13	1.29	1.52
2	7N	225	ASN	C-N	7.13	1.43	1.33
1	7U	148	LEU	CG-CD1	-7.13	1.29	1.52
1	1M	26	ALA	C-N	7.12	1.43	1.34
1	2I	26	ALA	C-N	7.12	1.43	1.34
1	3A	26	ALA	C-N	7.12	1.43	1.34
1	3I	26	ALA	C-N	7.12	1.43	1.34
1	32	26	ALA	C-N	7.12	1.43	1.34
1	4E	26	ALA	C-N	7.12	1.43	1.34
1	4Y	26	ALA	C-N	7.12	1.43	1.34
1	5U	26	ALA	C-N	7.12	1.43	1.34
1	6M	26	ALA	C-N	7.12	1.43	1.34
1	6U	26	ALA	C-N	7.12	1.43	1.34
1	7E	26	ALA	C-N	7.12	1.43	1.34
1	7Q	26	ALA	C-N	7.12	1.43	1.34
1	1Q	67	GLY	C-N	-7.12	1.23	1.33
1	1Q	181	THR	C-N	-7.12	1.23	1.33
1	1U	67	GLY	C-N	-7.12	1.23	1.33
1	1U	181	THR	C-N	-7.12	1.23	1.33
1	1Y	67	GLY	C-N	-7.12	1.23	1.33
1	1Y	181	THR	C-N	-7.12	1.23	1.33
1	2Q	67	GLY	C-N	-7.12	1.23	1.33
1	2Q	181	THR	C-N	-7.12	1.23	1.33
1	2U	67	GLY	C-N	-7.12	1.23	1.33
1	2U	181	THR	C-N	-7.12	1.23	1.33
1	2Y	67	GLY	C-N	-7.12	1.23	1.33
1	2Y	181	THR	C-N	-7.12	1.23	1.33
1	42	67	GLY	C-N	-7.12	1.23	1.33
1	42	181	THR	C-N	-7.12	1.23	1.33
1	46	67	GLY	C-N	-7.12	1.23	1.33
1	46	181	THR	C-N	-7.12	1.23	1.33
1	5A	67	GLY	C-N	-7.12	1.23	1.33
1	5A	181	THR	C-N	-7.12	1.23	1.33
1	52	67	GLY	C-N	-7.12	1.23	1.33
1	52	181	THR	C-N	-7.12	1.23	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	56	67	GLY	C-N	-7.12	1.23	1.33
1	56	181	THR	C-N	-7.12	1.23	1.33
1	6A	67	GLY	C-N	-7.12	1.23	1.33
1	6A	181	THR	C-N	-7.12	1.23	1.33
1	1E	67	GLY	C-N	-7.12	1.23	1.33
2	13	23	HIS	CA-C	7.12	1.61	1.52
2	17	23	HIS	CA-C	7.12	1.61	1.52
2	2B	23	HIS	CA-C	7.12	1.61	1.52
1	2M	67	GLY	C-N	-7.12	1.23	1.33
1	22	67	GLY	C-N	-7.12	1.23	1.33
1	3M	67	GLY	C-N	-7.12	1.23	1.33
2	3R	23	HIS	CA-C	7.12	1.61	1.52
2	3V	23	HIS	CA-C	7.12	1.61	1.52
2	3Z	23	HIS	CA-C	7.12	1.61	1.52
1	36	67	GLY	C-N	-7.12	1.23	1.33
1	4I	67	GLY	C-N	-7.12	1.23	1.33
1	4Q	67	GLY	C-N	-7.12	1.23	1.33
2	5F	23	HIS	CA-C	7.12	1.61	1.52
2	5J	23	HIS	CA-C	7.12	1.61	1.52
2	5N	23	HIS	CA-C	7.12	1.61	1.52
1	5Y	67	GLY	C-N	-7.12	1.23	1.33
1	6E	67	GLY	C-N	-7.12	1.23	1.33
1	6Y	67	GLY	C-N	-7.12	1.23	1.33
2	63	23	HIS	CA-C	7.12	1.61	1.52
2	67	23	HIS	CA-C	7.12	1.61	1.52
2	7B	23	HIS	CA-C	7.12	1.61	1.52
1	7I	67	GLY	C-N	-7.12	1.23	1.33
1	7U	67	GLY	C-N	-7.12	1.23	1.33
2	1N	225	ASN	C-N	7.11	1.43	1.33
2	2J	225	ASN	C-N	7.11	1.43	1.33
2	3B	225	ASN	C-N	7.11	1.43	1.33
2	3J	225	ASN	C-N	7.11	1.43	1.33
2	33	225	ASN	C-N	7.11	1.43	1.33
2	4F	225	ASN	C-N	7.11	1.43	1.33
2	4Z	225	ASN	C-N	7.11	1.43	1.33
2	5V	225	ASN	C-N	7.11	1.43	1.33
2	6N	225	ASN	C-N	7.11	1.43	1.33
2	6V	225	ASN	C-N	7.11	1.43	1.33
2	7F	225	ASN	C-N	7.11	1.43	1.33
2	7R	225	ASN	C-N	7.11	1.43	1.33
1	1M	67	GLY	C-N	-7.11	1.23	1.33
1	2I	67	GLY	C-N	-7.11	1.23	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	67	GLY	C-N	-7.11	1.23	1.33
1	3I	67	GLY	C-N	-7.11	1.23	1.33
1	32	67	GLY	C-N	-7.11	1.23	1.33
1	4E	67	GLY	C-N	-7.11	1.23	1.33
1	4Y	67	GLY	C-N	-7.11	1.23	1.33
1	5U	67	GLY	C-N	-7.11	1.23	1.33
1	6M	67	GLY	C-N	-7.11	1.23	1.33
1	6U	67	GLY	C-N	-7.11	1.23	1.33
1	7E	67	GLY	C-N	-7.11	1.23	1.33
1	7Q	67	GLY	C-N	-7.11	1.23	1.33
2	1B	23	HIS	CA-C	7.11	1.61	1.52
2	1J	23	HIS	CA-C	7.11	1.61	1.52
2	2F	23	HIS	CA-C	7.11	1.61	1.52
2	27	23	HIS	CA-C	7.11	1.61	1.52
2	3F	23	HIS	CA-C	7.11	1.61	1.52
2	4B	23	HIS	CA-C	7.11	1.61	1.52
2	4N	23	HIS	CA-C	7.11	1.61	1.52
2	4V	23	HIS	CA-C	7.11	1.61	1.52
2	5R	23	HIS	CA-C	7.11	1.61	1.52
2	6J	23	HIS	CA-C	7.11	1.61	1.52
2	6R	23	HIS	CA-C	7.11	1.61	1.52
2	7N	23	HIS	CA-C	7.11	1.61	1.52
1	1A	67	GLY	C-N	-7.10	1.23	1.33
2	1F	23	HIS	CA-C	7.10	1.61	1.52
1	1I	67	GLY	C-N	-7.10	1.23	1.33
1	2E	67	GLY	C-N	-7.10	1.23	1.33
2	2N	23	HIS	CA-C	7.10	1.61	1.52
2	23	23	HIS	CA-C	7.10	1.61	1.52
1	26	67	GLY	C-N	-7.10	1.23	1.33
1	3E	67	GLY	C-N	-7.10	1.23	1.33
2	3N	23	HIS	CA-C	7.10	1.61	1.52
2	37	23	HIS	CA-C	7.10	1.61	1.52
1	4A	67	GLY	C-N	-7.10	1.23	1.33
2	4J	23	HIS	CA-C	7.10	1.61	1.52
1	4M	67	GLY	C-N	-7.10	1.23	1.33
2	4R	23	HIS	CA-C	7.10	1.61	1.52
1	4U	67	GLY	C-N	-7.10	1.23	1.33
1	5Q	67	GLY	C-N	-7.10	1.23	1.33
2	5Z	23	HIS	CA-C	7.10	1.61	1.52
2	6F	23	HIS	CA-C	7.10	1.61	1.52
1	6I	67	GLY	C-N	-7.10	1.23	1.33
1	6Q	67	GLY	C-N	-7.10	1.23	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6Z	23	HIS	CA-C	7.10	1.61	1.52
2	7J	23	HIS	CA-C	7.10	1.61	1.52
1	7M	67	GLY	C-N	-7.10	1.23	1.33
2	7V	23	HIS	CA-C	7.10	1.61	1.52
2	1R	23	HIS	CA-C	7.09	1.61	1.52
2	1V	23	HIS	CA-C	7.09	1.61	1.52
2	1Z	23	HIS	CA-C	7.09	1.61	1.52
2	2R	23	HIS	CA-C	7.09	1.61	1.52
2	2V	23	HIS	CA-C	7.09	1.61	1.52
2	2Z	23	HIS	CA-C	7.09	1.61	1.52
2	43	23	HIS	CA-C	7.09	1.61	1.52
2	47	23	HIS	CA-C	7.09	1.61	1.52
2	5B	23	HIS	CA-C	7.09	1.61	1.52
2	53	23	HIS	CA-C	7.09	1.61	1.52
2	57	23	HIS	CA-C	7.09	1.61	1.52
2	6B	23	HIS	CA-C	7.09	1.61	1.52
2	1F	225	ASN	C-N	7.09	1.43	1.33
2	2N	225	ASN	C-N	7.09	1.43	1.33
2	23	225	ASN	C-N	7.09	1.43	1.33
2	3N	225	ASN	C-N	7.09	1.43	1.33
2	37	225	ASN	C-N	7.09	1.43	1.33
2	4J	225	ASN	C-N	7.09	1.43	1.33
2	4R	225	ASN	C-N	7.09	1.43	1.33
2	5Z	225	ASN	C-N	7.09	1.43	1.33
2	6F	225	ASN	C-N	7.09	1.43	1.33
2	6Z	225	ASN	C-N	7.09	1.43	1.33
2	7J	225	ASN	C-N	7.09	1.43	1.33
2	7V	225	ASN	C-N	7.09	1.43	1.33
2	13	54	ASN	CG-OD1	7.09	1.37	1.23
2	17	54	ASN	CG-OD1	7.09	1.37	1.23
2	2B	54	ASN	CG-OD1	7.09	1.37	1.23
2	3R	54	ASN	CG-OD1	7.09	1.37	1.23
2	3V	54	ASN	CG-OD1	7.09	1.37	1.23
2	3Z	54	ASN	CG-OD1	7.09	1.37	1.23
2	5F	54	ASN	CG-OD1	7.09	1.37	1.23
2	5J	54	ASN	CG-OD1	7.09	1.37	1.23
2	5N	54	ASN	CG-OD1	7.09	1.37	1.23
2	63	54	ASN	CG-OD1	7.09	1.37	1.23
2	67	54	ASN	CG-OD1	7.09	1.37	1.23
2	7B	54	ASN	CG-OD1	7.09	1.37	1.23
2	1B	54	ASN	CG-OD1	7.09	1.37	1.23
2	1J	54	ASN	CG-OD1	7.09	1.37	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	54	ASN	CG-OD1	7.09	1.37	1.23
2	27	54	ASN	CG-OD1	7.09	1.37	1.23
2	3F	54	ASN	CG-OD1	7.09	1.37	1.23
2	4B	54	ASN	CG-OD1	7.09	1.37	1.23
2	4N	54	ASN	CG-OD1	7.09	1.37	1.23
2	4V	54	ASN	CG-OD1	7.09	1.37	1.23
2	5R	54	ASN	CG-OD1	7.09	1.37	1.23
2	6J	54	ASN	CG-OD1	7.09	1.37	1.23
2	6R	54	ASN	CG-OD1	7.09	1.37	1.23
2	7N	54	ASN	CG-OD1	7.09	1.37	1.23
2	1F	50	THR	C-N	-7.08	1.25	1.33
2	13	23	HIS	C-N	7.08	1.50	1.33
2	17	23	HIS	C-N	7.08	1.50	1.33
2	2B	23	HIS	C-N	7.08	1.50	1.33
2	2N	50	THR	C-N	-7.08	1.25	1.33
2	23	50	THR	C-N	-7.08	1.25	1.33
2	3N	50	THR	C-N	-7.08	1.25	1.33
2	3R	23	HIS	C-N	7.08	1.50	1.33
2	3V	23	HIS	C-N	7.08	1.50	1.33
2	3Z	23	HIS	C-N	7.08	1.50	1.33
2	37	50	THR	C-N	-7.08	1.25	1.33
2	4J	50	THR	C-N	-7.08	1.25	1.33
2	4R	50	THR	C-N	-7.08	1.25	1.33
2	5F	23	HIS	C-N	7.08	1.50	1.33
2	5J	23	HIS	C-N	7.08	1.50	1.33
2	5N	23	HIS	C-N	7.08	1.50	1.33
2	5Z	50	THR	C-N	-7.08	1.25	1.33
2	6F	50	THR	C-N	-7.08	1.25	1.33
2	6Z	50	THR	C-N	-7.08	1.25	1.33
2	63	23	HIS	C-N	7.08	1.50	1.33
2	67	23	HIS	C-N	7.08	1.50	1.33
2	7B	23	HIS	C-N	7.08	1.50	1.33
2	7J	50	THR	C-N	-7.08	1.25	1.33
2	7V	50	THR	C-N	-7.08	1.25	1.33
2	1F	54	ASN	CG-OD1	7.07	1.36	1.23
2	1N	23	HIS	C-N	7.07	1.50	1.33
2	1R	23	HIS	C-N	7.07	1.50	1.33
2	1V	23	HIS	C-N	7.07	1.50	1.33
2	1Z	23	HIS	C-N	7.07	1.50	1.33
2	2J	23	HIS	C-N	7.07	1.50	1.33
2	2N	54	ASN	CG-OD1	7.07	1.36	1.23
2	2R	23	HIS	C-N	7.07	1.50	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2V	23	HIS	C-N	7.07	1.50	1.33
2	2Z	23	HIS	C-N	7.07	1.50	1.33
2	23	54	ASN	CG-OD1	7.07	1.36	1.23
2	3B	23	HIS	C-N	7.07	1.50	1.33
2	3J	23	HIS	C-N	7.07	1.50	1.33
2	3N	54	ASN	CG-OD1	7.07	1.36	1.23
2	33	23	HIS	C-N	7.07	1.50	1.33
2	37	54	ASN	CG-OD1	7.07	1.36	1.23
2	4F	23	HIS	C-N	7.07	1.50	1.33
2	4J	54	ASN	CG-OD1	7.07	1.36	1.23
2	4R	54	ASN	CG-OD1	7.07	1.36	1.23
2	4Z	23	HIS	C-N	7.07	1.50	1.33
2	43	23	HIS	C-N	7.07	1.50	1.33
2	47	23	HIS	C-N	7.07	1.50	1.33
2	5B	23	HIS	C-N	7.07	1.50	1.33
2	5V	23	HIS	C-N	7.07	1.50	1.33
2	5Z	54	ASN	CG-OD1	7.07	1.36	1.23
2	53	23	HIS	C-N	7.07	1.50	1.33
2	57	23	HIS	C-N	7.07	1.50	1.33
2	6B	23	HIS	C-N	7.07	1.50	1.33
2	6F	54	ASN	CG-OD1	7.07	1.36	1.23
2	6N	23	HIS	C-N	7.07	1.50	1.33
2	6V	23	HIS	C-N	7.07	1.50	1.33
2	6Z	54	ASN	CG-OD1	7.07	1.36	1.23
2	7F	23	HIS	C-N	7.07	1.50	1.33
2	7J	54	ASN	CG-OD1	7.07	1.36	1.23
2	7R	23	HIS	C-N	7.07	1.50	1.33
2	7V	54	ASN	CG-OD1	7.07	1.36	1.23
1	12	9	PHE	C-N	-7.06	1.22	1.33
1	16	9	PHE	C-N	-7.06	1.22	1.33
1	2A	9	PHE	C-N	-7.06	1.22	1.33
1	3Q	9	PHE	C-N	-7.06	1.22	1.33
1	3U	9	PHE	C-N	-7.06	1.22	1.33
1	3Y	9	PHE	C-N	-7.06	1.22	1.33
1	5E	9	PHE	C-N	-7.06	1.22	1.33
1	5I	9	PHE	C-N	-7.06	1.22	1.33
1	5M	9	PHE	C-N	-7.06	1.22	1.33
1	62	9	PHE	C-N	-7.06	1.22	1.33
1	66	9	PHE	C-N	-7.06	1.22	1.33
1	7A	9	PHE	C-N	-7.06	1.22	1.33
1	1M	89	PHE	CD1-CE1	7.06	1.59	1.38
1	2I	89	PHE	CD1-CE1	7.06	1.59	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	89	PHE	CD1-CE1	7.06	1.59	1.38
1	3I	89	PHE	CD1-CE1	7.06	1.59	1.38
1	32	89	PHE	CD1-CE1	7.06	1.59	1.38
1	4E	89	PHE	CD1-CE1	7.06	1.59	1.38
1	4Y	89	PHE	CD1-CE1	7.06	1.59	1.38
1	5U	89	PHE	CD1-CE1	7.06	1.59	1.38
1	6M	89	PHE	CD1-CE1	7.06	1.59	1.38
1	6U	89	PHE	CD1-CE1	7.06	1.59	1.38
1	7E	89	PHE	CD1-CE1	7.06	1.59	1.38
1	7Q	89	PHE	CD1-CE1	7.06	1.59	1.38
2	1F	23	HIS	C-N	7.06	1.50	1.33
2	1R	54	ASN	CG-OD1	7.06	1.36	1.23
2	1V	54	ASN	CG-OD1	7.06	1.36	1.23
2	1Z	54	ASN	CG-OD1	7.06	1.36	1.23
2	2N	23	HIS	C-N	7.06	1.50	1.33
2	2R	54	ASN	CG-OD1	7.06	1.36	1.23
2	2V	54	ASN	CG-OD1	7.06	1.36	1.23
2	2Z	54	ASN	CG-OD1	7.06	1.36	1.23
2	23	23	HIS	C-N	7.06	1.50	1.33
2	3N	23	HIS	C-N	7.06	1.50	1.33
2	37	23	HIS	C-N	7.06	1.50	1.33
2	4J	23	HIS	C-N	7.06	1.50	1.33
2	4R	23	HIS	C-N	7.06	1.50	1.33
2	43	54	ASN	CG-OD1	7.06	1.36	1.23
2	47	54	ASN	CG-OD1	7.06	1.36	1.23
2	5B	54	ASN	CG-OD1	7.06	1.36	1.23
2	5Z	23	HIS	C-N	7.06	1.50	1.33
2	53	54	ASN	CG-OD1	7.06	1.36	1.23
2	57	54	ASN	CG-OD1	7.06	1.36	1.23
2	6B	54	ASN	CG-OD1	7.06	1.36	1.23
2	6F	23	HIS	C-N	7.06	1.50	1.33
2	6Z	23	HIS	C-N	7.06	1.50	1.33
2	7J	23	HIS	C-N	7.06	1.50	1.33
2	7V	23	HIS	C-N	7.06	1.50	1.33
2	1N	54	ASN	CG-OD1	7.06	1.36	1.23
2	2J	54	ASN	CG-OD1	7.06	1.36	1.23
2	3B	54	ASN	CG-OD1	7.06	1.36	1.23
2	3J	54	ASN	CG-OD1	7.06	1.36	1.23
2	33	54	ASN	CG-OD1	7.06	1.36	1.23
2	4F	54	ASN	CG-OD1	7.06	1.36	1.23
2	4Z	54	ASN	CG-OD1	7.06	1.36	1.23
2	5V	54	ASN	CG-OD1	7.06	1.36	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	54	ASN	CG-OD1	7.06	1.36	1.23
2	6V	54	ASN	CG-OD1	7.06	1.36	1.23
2	7F	54	ASN	CG-OD1	7.06	1.36	1.23
2	7R	54	ASN	CG-OD1	7.06	1.36	1.23
2	1F	45	ALA	N-CA	-7.05	1.37	1.46
2	2N	45	ALA	N-CA	-7.05	1.37	1.46
2	23	45	ALA	N-CA	-7.05	1.37	1.46
2	3N	45	ALA	N-CA	-7.05	1.37	1.46
2	37	45	ALA	N-CA	-7.05	1.37	1.46
2	4J	45	ALA	N-CA	-7.05	1.37	1.46
2	4R	45	ALA	N-CA	-7.05	1.37	1.46
2	5Z	45	ALA	N-CA	-7.05	1.37	1.46
2	6F	45	ALA	N-CA	-7.05	1.37	1.46
2	6Z	45	ALA	N-CA	-7.05	1.37	1.46
2	7J	45	ALA	N-CA	-7.05	1.37	1.46
2	7V	45	ALA	N-CA	-7.05	1.37	1.46
1	1A	89	PHE	CD1-CE1	7.05	1.59	1.38
2	1B	23	HIS	C-N	7.05	1.50	1.33
1	1I	89	PHE	CD1-CE1	7.05	1.59	1.38
2	1J	23	HIS	C-N	7.05	1.50	1.33
1	1Q	9	PHE	C-N	-7.05	1.22	1.33
1	1U	9	PHE	C-N	-7.05	1.22	1.33
1	1Y	9	PHE	C-N	-7.05	1.22	1.33
1	2E	89	PHE	CD1-CE1	7.05	1.59	1.38
2	2F	23	HIS	C-N	7.05	1.50	1.33
1	2Q	9	PHE	C-N	-7.05	1.22	1.33
1	2U	9	PHE	C-N	-7.05	1.22	1.33
1	2Y	9	PHE	C-N	-7.05	1.22	1.33
1	26	89	PHE	CD1-CE1	7.05	1.59	1.38
2	27	23	HIS	C-N	7.05	1.50	1.33
1	3E	89	PHE	CD1-CE1	7.05	1.59	1.38
2	3F	23	HIS	C-N	7.05	1.50	1.33
1	4A	89	PHE	CD1-CE1	7.05	1.59	1.38
2	4B	23	HIS	C-N	7.05	1.50	1.33
1	4M	89	PHE	CD1-CE1	7.05	1.59	1.38
2	4N	23	HIS	C-N	7.05	1.50	1.33
1	4U	89	PHE	CD1-CE1	7.05	1.59	1.38
2	4V	23	HIS	C-N	7.05	1.50	1.33
1	42	9	PHE	C-N	-7.05	1.22	1.33
1	46	9	PHE	C-N	-7.05	1.22	1.33
1	5A	9	PHE	C-N	-7.05	1.22	1.33
1	5Q	89	PHE	CD1-CE1	7.05	1.59	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	23	HIS	C-N	7.05	1.50	1.33
1	52	9	PHE	C-N	-7.05	1.22	1.33
1	56	9	PHE	C-N	-7.05	1.22	1.33
1	6A	9	PHE	C-N	-7.05	1.22	1.33
1	6I	89	PHE	CD1-CE1	7.05	1.59	1.38
2	6J	23	HIS	C-N	7.05	1.50	1.33
1	6Q	89	PHE	CD1-CE1	7.05	1.59	1.38
2	6R	23	HIS	C-N	7.05	1.50	1.33
1	7M	89	PHE	CD1-CE1	7.05	1.59	1.38
2	7N	23	HIS	C-N	7.05	1.50	1.33
2	1N	45	ALA	N-CA	-7.05	1.37	1.46
2	1R	45	ALA	N-CA	-7.05	1.37	1.46
2	1V	45	ALA	N-CA	-7.05	1.37	1.46
2	1Z	45	ALA	N-CA	-7.05	1.37	1.46
1	12	89	PHE	CD1-CE1	7.05	1.59	1.38
1	16	89	PHE	CD1-CE1	7.05	1.59	1.38
1	2A	89	PHE	CD1-CE1	7.05	1.59	1.38
2	2J	45	ALA	N-CA	-7.05	1.37	1.46
2	2R	45	ALA	N-CA	-7.05	1.37	1.46
2	2V	45	ALA	N-CA	-7.05	1.37	1.46
2	2Z	45	ALA	N-CA	-7.05	1.37	1.46
2	3B	45	ALA	N-CA	-7.05	1.37	1.46
2	3J	45	ALA	N-CA	-7.05	1.37	1.46
1	3Q	89	PHE	CD1-CE1	7.05	1.59	1.38
1	3U	89	PHE	CD1-CE1	7.05	1.59	1.38
1	3Y	89	PHE	CD1-CE1	7.05	1.59	1.38
2	33	45	ALA	N-CA	-7.05	1.37	1.46
2	4F	45	ALA	N-CA	-7.05	1.37	1.46
2	4Z	45	ALA	N-CA	-7.05	1.37	1.46
2	43	45	ALA	N-CA	-7.05	1.37	1.46
2	47	45	ALA	N-CA	-7.05	1.37	1.46
2	5B	45	ALA	N-CA	-7.05	1.37	1.46
1	5E	89	PHE	CD1-CE1	7.05	1.59	1.38
1	5I	89	PHE	CD1-CE1	7.05	1.59	1.38
1	5M	89	PHE	CD1-CE1	7.05	1.59	1.38
2	5V	45	ALA	N-CA	-7.05	1.37	1.46
2	53	45	ALA	N-CA	-7.05	1.37	1.46
2	57	45	ALA	N-CA	-7.05	1.37	1.46
2	6B	45	ALA	N-CA	-7.05	1.37	1.46
2	6N	45	ALA	N-CA	-7.05	1.37	1.46
2	6V	45	ALA	N-CA	-7.05	1.37	1.46
1	62	89	PHE	CD1-CE1	7.05	1.59	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	89	PHE	CD1-CE1	7.05	1.59	1.38
1	7A	89	PHE	CD1-CE1	7.05	1.59	1.38
2	7F	45	ALA	N-CA	-7.05	1.37	1.46
2	7R	45	ALA	N-CA	-7.05	1.37	1.46
1	1E	89	PHE	CD1-CE1	7.05	1.59	1.38
1	2M	89	PHE	CD1-CE1	7.05	1.59	1.38
1	22	89	PHE	CD1-CE1	7.05	1.59	1.38
1	3M	89	PHE	CD1-CE1	7.05	1.59	1.38
1	36	89	PHE	CD1-CE1	7.05	1.59	1.38
1	4I	89	PHE	CD1-CE1	7.05	1.59	1.38
1	4Q	89	PHE	CD1-CE1	7.05	1.59	1.38
1	5Y	89	PHE	CD1-CE1	7.05	1.59	1.38
1	6E	89	PHE	CD1-CE1	7.05	1.59	1.38
1	6Y	89	PHE	CD1-CE1	7.05	1.59	1.38
1	7I	89	PHE	CD1-CE1	7.05	1.59	1.38
1	7U	89	PHE	CD1-CE1	7.05	1.59	1.38
1	1Q	89	PHE	CD1-CE1	7.04	1.59	1.38
1	1U	89	PHE	CD1-CE1	7.04	1.59	1.38
1	1Y	89	PHE	CD1-CE1	7.04	1.59	1.38
2	13	35	PHE	CA-C	7.04	1.63	1.53
2	17	35	PHE	CA-C	7.04	1.63	1.53
2	2B	35	PHE	CA-C	7.04	1.63	1.53
1	2Q	89	PHE	CD1-CE1	7.04	1.59	1.38
1	2U	89	PHE	CD1-CE1	7.04	1.59	1.38
1	2Y	89	PHE	CD1-CE1	7.04	1.59	1.38
2	3R	35	PHE	CA-C	7.04	1.63	1.53
2	3V	35	PHE	CA-C	7.04	1.63	1.53
2	3Z	35	PHE	CA-C	7.04	1.63	1.53
1	42	89	PHE	CD1-CE1	7.04	1.59	1.38
1	46	89	PHE	CD1-CE1	7.04	1.59	1.38
1	5A	89	PHE	CD1-CE1	7.04	1.59	1.38
2	5F	35	PHE	CA-C	7.04	1.63	1.53
2	5J	35	PHE	CA-C	7.04	1.63	1.53
2	5N	35	PHE	CA-C	7.04	1.63	1.53
1	52	89	PHE	CD1-CE1	7.04	1.59	1.38
1	56	89	PHE	CD1-CE1	7.04	1.59	1.38
1	6A	89	PHE	CD1-CE1	7.04	1.59	1.38
2	63	35	PHE	CA-C	7.04	1.63	1.53
2	67	35	PHE	CA-C	7.04	1.63	1.53
2	7B	35	PHE	CA-C	7.04	1.63	1.53
1	1A	9	PHE	C-N	-7.03	1.22	1.33
1	1I	9	PHE	C-N	-7.03	1.22	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	9	PHE	C-N	-7.03	1.22	1.33
1	26	9	PHE	C-N	-7.03	1.22	1.33
1	3E	9	PHE	C-N	-7.03	1.22	1.33
1	4A	9	PHE	C-N	-7.03	1.22	1.33
1	4M	9	PHE	C-N	-7.03	1.22	1.33
1	4U	9	PHE	C-N	-7.03	1.22	1.33
1	5Q	9	PHE	C-N	-7.03	1.22	1.33
1	6I	9	PHE	C-N	-7.03	1.22	1.33
1	6Q	9	PHE	C-N	-7.03	1.22	1.33
1	7M	9	PHE	C-N	-7.03	1.22	1.33
1	1E	9	PHE	C-N	-7.03	1.22	1.33
2	1R	50	THR	C-N	-7.03	1.25	1.33
2	1V	50	THR	C-N	-7.03	1.25	1.33
2	1Z	50	THR	C-N	-7.03	1.25	1.33
1	2M	9	PHE	C-N	-7.03	1.22	1.33
2	2R	50	THR	C-N	-7.03	1.25	1.33
2	2V	50	THR	C-N	-7.03	1.25	1.33
2	2Z	50	THR	C-N	-7.03	1.25	1.33
1	22	9	PHE	C-N	-7.03	1.22	1.33
1	3M	9	PHE	C-N	-7.03	1.22	1.33
1	36	9	PHE	C-N	-7.03	1.22	1.33
1	4I	9	PHE	C-N	-7.03	1.22	1.33
1	4Q	9	PHE	C-N	-7.03	1.22	1.33
2	43	50	THR	C-N	-7.03	1.25	1.33
2	47	50	THR	C-N	-7.03	1.25	1.33
2	5B	50	THR	C-N	-7.03	1.25	1.33
1	5Y	9	PHE	C-N	-7.03	1.22	1.33
2	53	50	THR	C-N	-7.03	1.25	1.33
2	57	50	THR	C-N	-7.03	1.25	1.33
2	6B	50	THR	C-N	-7.03	1.25	1.33
1	6E	9	PHE	C-N	-7.03	1.22	1.33
1	6Y	9	PHE	C-N	-7.03	1.22	1.33
1	7I	9	PHE	C-N	-7.03	1.22	1.33
1	7U	9	PHE	C-N	-7.03	1.22	1.33
2	1R	2	GLU	N-CA	7.03	1.57	1.46
2	1V	2	GLU	N-CA	7.03	1.57	1.46
2	1Z	2	GLU	N-CA	7.03	1.57	1.46
2	2R	2	GLU	N-CA	7.03	1.57	1.46
2	2V	2	GLU	N-CA	7.03	1.57	1.46
2	2Z	2	GLU	N-CA	7.03	1.57	1.46
2	43	2	GLU	N-CA	7.03	1.57	1.46
2	47	2	GLU	N-CA	7.03	1.57	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	2	GLU	N-CA	7.03	1.57	1.46
2	53	2	GLU	N-CA	7.03	1.57	1.46
2	57	2	GLU	N-CA	7.03	1.57	1.46
2	6B	2	GLU	N-CA	7.03	1.57	1.46
2	1F	35	PHE	CA-C	7.02	1.63	1.53
2	2N	35	PHE	CA-C	7.02	1.63	1.53
2	23	35	PHE	CA-C	7.02	1.63	1.53
2	3N	35	PHE	CA-C	7.02	1.63	1.53
2	37	35	PHE	CA-C	7.02	1.63	1.53
2	4J	35	PHE	CA-C	7.02	1.63	1.53
2	4R	35	PHE	CA-C	7.02	1.63	1.53
2	5Z	35	PHE	CA-C	7.02	1.63	1.53
2	6F	35	PHE	CA-C	7.02	1.63	1.53
2	6Z	35	PHE	CA-C	7.02	1.63	1.53
2	7J	35	PHE	CA-C	7.02	1.63	1.53
2	7V	35	PHE	CA-C	7.02	1.63	1.53
2	13	2	GLU	N-CA	7.02	1.57	1.46
2	17	2	GLU	N-CA	7.02	1.57	1.46
2	2B	2	GLU	N-CA	7.02	1.57	1.46
2	3R	2	GLU	N-CA	7.02	1.57	1.46
2	3V	2	GLU	N-CA	7.02	1.57	1.46
2	3Z	2	GLU	N-CA	7.02	1.57	1.46
2	5F	2	GLU	N-CA	7.02	1.57	1.46
2	5J	2	GLU	N-CA	7.02	1.57	1.46
2	5N	2	GLU	N-CA	7.02	1.57	1.46
2	63	2	GLU	N-CA	7.02	1.57	1.46
2	67	2	GLU	N-CA	7.02	1.57	1.46
2	7B	2	GLU	N-CA	7.02	1.57	1.46
2	1F	81	LEU	CA-C	-7.01	1.44	1.52
1	1M	9	PHE	C-N	-7.01	1.22	1.33
1	2I	9	PHE	C-N	-7.01	1.22	1.33
2	2N	81	LEU	CA-C	-7.01	1.44	1.52
2	23	81	LEU	CA-C	-7.01	1.44	1.52
1	3A	9	PHE	C-N	-7.01	1.22	1.33
1	3I	9	PHE	C-N	-7.01	1.22	1.33
2	3N	81	LEU	CA-C	-7.01	1.44	1.52
1	32	9	PHE	C-N	-7.01	1.22	1.33
2	37	81	LEU	CA-C	-7.01	1.44	1.52
1	4E	9	PHE	C-N	-7.01	1.22	1.33
2	4J	81	LEU	CA-C	-7.01	1.44	1.52
2	4R	81	LEU	CA-C	-7.01	1.44	1.52
1	4Y	9	PHE	C-N	-7.01	1.22	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5U	9	PHE	C-N	-7.01	1.22	1.33
2	5Z	81	LEU	CA-C	-7.01	1.44	1.52
2	6F	81	LEU	CA-C	-7.01	1.44	1.52
1	6M	9	PHE	C-N	-7.01	1.22	1.33
1	6U	9	PHE	C-N	-7.01	1.22	1.33
2	6Z	81	LEU	CA-C	-7.01	1.44	1.52
1	7E	9	PHE	C-N	-7.01	1.22	1.33
2	7J	81	LEU	CA-C	-7.01	1.44	1.52
1	7Q	9	PHE	C-N	-7.01	1.22	1.33
2	7V	81	LEU	CA-C	-7.01	1.44	1.52
2	1B	40	ASN	N-CA	-7.01	1.37	1.46
2	1J	40	ASN	N-CA	-7.01	1.37	1.46
2	2F	40	ASN	N-CA	-7.01	1.37	1.46
2	27	40	ASN	N-CA	-7.01	1.37	1.46
2	3F	40	ASN	N-CA	-7.01	1.37	1.46
2	4B	40	ASN	N-CA	-7.01	1.37	1.46
2	4N	40	ASN	N-CA	-7.01	1.37	1.46
2	4V	40	ASN	N-CA	-7.01	1.37	1.46
2	5R	40	ASN	N-CA	-7.01	1.37	1.46
2	6J	40	ASN	N-CA	-7.01	1.37	1.46
2	6R	40	ASN	N-CA	-7.01	1.37	1.46
2	7N	40	ASN	N-CA	-7.01	1.37	1.46
2	1B	35	PHE	CA-C	7.01	1.63	1.53
2	1J	35	PHE	CA-C	7.01	1.63	1.53
2	2F	35	PHE	CA-C	7.01	1.63	1.53
2	27	35	PHE	CA-C	7.01	1.63	1.53
2	3F	35	PHE	CA-C	7.01	1.63	1.53
2	4B	35	PHE	CA-C	7.01	1.63	1.53
2	4N	35	PHE	CA-C	7.01	1.63	1.53
2	4V	35	PHE	CA-C	7.01	1.63	1.53
2	5R	35	PHE	CA-C	7.01	1.63	1.53
2	6J	35	PHE	CA-C	7.01	1.63	1.53
2	6R	35	PHE	CA-C	7.01	1.63	1.53
2	7N	35	PHE	CA-C	7.01	1.63	1.53
1	1A	41	ILE	CB-CG2	-7.00	1.29	1.52
1	1I	41	ILE	CB-CG2	-7.00	1.29	1.52
1	2E	41	ILE	CB-CG2	-7.00	1.29	1.52
1	26	41	ILE	CB-CG2	-7.00	1.29	1.52
1	3E	41	ILE	CB-CG2	-7.00	1.29	1.52
1	4A	41	ILE	CB-CG2	-7.00	1.29	1.52
1	4M	41	ILE	CB-CG2	-7.00	1.29	1.52
1	4U	41	ILE	CB-CG2	-7.00	1.29	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	41	ILE	CB-CG2	-7.00	1.29	1.52
1	6I	41	ILE	CB-CG2	-7.00	1.29	1.52
1	6Q	41	ILE	CB-CG2	-7.00	1.29	1.52
1	7M	41	ILE	CB-CG2	-7.00	1.29	1.52
2	13	45	ALA	N-CA	-7.00	1.37	1.46
2	17	45	ALA	N-CA	-7.00	1.37	1.46
2	2B	45	ALA	N-CA	-7.00	1.37	1.46
2	3R	45	ALA	N-CA	-7.00	1.37	1.46
2	3V	45	ALA	N-CA	-7.00	1.37	1.46
2	3Z	45	ALA	N-CA	-7.00	1.37	1.46
2	5F	45	ALA	N-CA	-7.00	1.37	1.46
2	5J	45	ALA	N-CA	-7.00	1.37	1.46
2	5N	45	ALA	N-CA	-7.00	1.37	1.46
2	63	45	ALA	N-CA	-7.00	1.37	1.46
2	67	45	ALA	N-CA	-7.00	1.37	1.46
2	7B	45	ALA	N-CA	-7.00	1.37	1.46
2	1N	35	PHE	CA-C	7.00	1.63	1.53
2	2J	35	PHE	CA-C	7.00	1.63	1.53
2	3B	35	PHE	CA-C	7.00	1.63	1.53
2	3J	35	PHE	CA-C	7.00	1.63	1.53
2	33	35	PHE	CA-C	7.00	1.63	1.53
2	4F	35	PHE	CA-C	7.00	1.63	1.53
2	4Z	35	PHE	CA-C	7.00	1.63	1.53
2	5V	35	PHE	CA-C	7.00	1.63	1.53
2	6N	35	PHE	CA-C	7.00	1.63	1.53
2	6V	35	PHE	CA-C	7.00	1.63	1.53
2	7F	35	PHE	CA-C	7.00	1.63	1.53
2	7R	35	PHE	CA-C	7.00	1.63	1.53
1	1E	41	ILE	CB-CG2	-7.00	1.29	1.52
2	1R	81	LEU	CA-C	-7.00	1.44	1.52
2	1V	81	LEU	CA-C	-7.00	1.44	1.52
2	1Z	81	LEU	CA-C	-7.00	1.44	1.52
1	2M	41	ILE	CB-CG2	-7.00	1.29	1.52
2	2R	81	LEU	CA-C	-7.00	1.44	1.52
2	2V	81	LEU	CA-C	-7.00	1.44	1.52
2	2Z	81	LEU	CA-C	-7.00	1.44	1.52
1	22	41	ILE	CB-CG2	-7.00	1.29	1.52
1	3M	41	ILE	CB-CG2	-7.00	1.29	1.52
1	36	41	ILE	CB-CG2	-7.00	1.29	1.52
1	4I	41	ILE	CB-CG2	-7.00	1.29	1.52
1	4Q	41	ILE	CB-CG2	-7.00	1.29	1.52
2	43	81	LEU	CA-C	-7.00	1.44	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	81	LEU	CA-C	-7.00	1.44	1.52
2	5B	81	LEU	CA-C	-7.00	1.44	1.52
1	5Y	41	ILE	CB-CG2	-7.00	1.29	1.52
2	53	81	LEU	CA-C	-7.00	1.44	1.52
2	57	81	LEU	CA-C	-7.00	1.44	1.52
2	6B	81	LEU	CA-C	-7.00	1.44	1.52
1	6E	41	ILE	CB-CG2	-7.00	1.29	1.52
1	6Y	41	ILE	CB-CG2	-7.00	1.29	1.52
1	7I	41	ILE	CB-CG2	-7.00	1.29	1.52
1	7U	41	ILE	CB-CG2	-7.00	1.29	1.52
1	1M	41	ILE	CB-CG2	-7.00	1.29	1.52
1	1Q	41	ILE	CB-CG2	-7.00	1.29	1.52
2	1R	35	PHE	CA-C	7.00	1.63	1.53
1	1U	41	ILE	CB-CG2	-7.00	1.29	1.52
2	1V	35	PHE	CA-C	7.00	1.63	1.53
1	1Y	41	ILE	CB-CG2	-7.00	1.29	1.52
2	1Z	35	PHE	CA-C	7.00	1.63	1.53
1	12	41	ILE	CB-CG2	-7.00	1.29	1.52
1	16	41	ILE	CB-CG2	-7.00	1.29	1.52
1	2A	41	ILE	CB-CG2	-7.00	1.29	1.52
1	2I	41	ILE	CB-CG2	-7.00	1.29	1.52
1	2Q	41	ILE	CB-CG2	-7.00	1.29	1.52
2	2R	35	PHE	CA-C	7.00	1.63	1.53
1	2U	41	ILE	CB-CG2	-7.00	1.29	1.52
2	2V	35	PHE	CA-C	7.00	1.63	1.53
1	2Y	41	ILE	CB-CG2	-7.00	1.29	1.52
2	2Z	35	PHE	CA-C	7.00	1.63	1.53
1	3A	41	ILE	CB-CG2	-7.00	1.29	1.52
1	3I	41	ILE	CB-CG2	-7.00	1.29	1.52
1	3Q	41	ILE	CB-CG2	-7.00	1.29	1.52
1	3U	41	ILE	CB-CG2	-7.00	1.29	1.52
1	3Y	41	ILE	CB-CG2	-7.00	1.29	1.52
1	32	41	ILE	CB-CG2	-7.00	1.29	1.52
1	4E	41	ILE	CB-CG2	-7.00	1.29	1.52
1	4Y	41	ILE	CB-CG2	-7.00	1.29	1.52
1	42	41	ILE	CB-CG2	-7.00	1.29	1.52
2	43	35	PHE	CA-C	7.00	1.63	1.53
1	46	41	ILE	CB-CG2	-7.00	1.29	1.52
2	47	35	PHE	CA-C	7.00	1.63	1.53
1	5A	41	ILE	CB-CG2	-7.00	1.29	1.52
2	5B	35	PHE	CA-C	7.00	1.63	1.53
1	5E	41	ILE	CB-CG2	-7.00	1.29	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5I	41	ILE	CB-CG2	-7.00	1.29	1.52
1	5M	41	ILE	CB-CG2	-7.00	1.29	1.52
1	5U	41	ILE	CB-CG2	-7.00	1.29	1.52
1	52	41	ILE	CB-CG2	-7.00	1.29	1.52
2	53	35	PHE	CA-C	7.00	1.63	1.53
1	56	41	ILE	CB-CG2	-7.00	1.29	1.52
2	57	35	PHE	CA-C	7.00	1.63	1.53
1	6A	41	ILE	CB-CG2	-7.00	1.29	1.52
2	6B	35	PHE	CA-C	7.00	1.63	1.53
1	6M	41	ILE	CB-CG2	-7.00	1.29	1.52
1	6U	41	ILE	CB-CG2	-7.00	1.29	1.52
1	62	41	ILE	CB-CG2	-7.00	1.29	1.52
1	66	41	ILE	CB-CG2	-7.00	1.29	1.52
1	7A	41	ILE	CB-CG2	-7.00	1.29	1.52
1	7E	41	ILE	CB-CG2	-7.00	1.29	1.52
1	7Q	41	ILE	CB-CG2	-7.00	1.29	1.52
2	1B	45	ALA	N-CA	-7.00	1.37	1.46
2	1J	45	ALA	N-CA	-7.00	1.37	1.46
2	2F	45	ALA	N-CA	-7.00	1.37	1.46
2	27	45	ALA	N-CA	-7.00	1.37	1.46
2	3F	45	ALA	N-CA	-7.00	1.37	1.46
2	4B	45	ALA	N-CA	-7.00	1.37	1.46
2	4N	45	ALA	N-CA	-7.00	1.37	1.46
2	4V	45	ALA	N-CA	-7.00	1.37	1.46
2	5R	45	ALA	N-CA	-7.00	1.37	1.46
2	6J	45	ALA	N-CA	-7.00	1.37	1.46
2	6R	45	ALA	N-CA	-7.00	1.37	1.46
2	7N	45	ALA	N-CA	-7.00	1.37	1.46
2	1R	40	ASN	N-CA	-6.99	1.37	1.46
2	1V	40	ASN	N-CA	-6.99	1.37	1.46
2	1Z	40	ASN	N-CA	-6.99	1.37	1.46
2	2R	40	ASN	N-CA	-6.99	1.37	1.46
2	2V	40	ASN	N-CA	-6.99	1.37	1.46
2	2Z	40	ASN	N-CA	-6.99	1.37	1.46
2	43	40	ASN	N-CA	-6.99	1.37	1.46
2	47	40	ASN	N-CA	-6.99	1.37	1.46
2	5B	40	ASN	N-CA	-6.99	1.37	1.46
2	53	40	ASN	N-CA	-6.99	1.37	1.46
2	57	40	ASN	N-CA	-6.99	1.37	1.46
2	6B	40	ASN	N-CA	-6.99	1.37	1.46
2	1B	29	MET	CG-SD	6.99	1.98	1.80
2	1J	29	MET	CG-SD	6.99	1.98	1.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	29	MET	CG-SD	6.99	1.98	1.80
2	27	29	MET	CG-SD	6.99	1.98	1.80
2	3F	29	MET	CG-SD	6.99	1.98	1.80
2	4B	29	MET	CG-SD	6.99	1.98	1.80
2	4N	29	MET	CG-SD	6.99	1.98	1.80
2	4V	29	MET	CG-SD	6.99	1.98	1.80
2	5R	29	MET	CG-SD	6.99	1.98	1.80
2	6J	29	MET	CG-SD	6.99	1.98	1.80
2	6R	29	MET	CG-SD	6.99	1.98	1.80
2	7N	29	MET	CG-SD	6.99	1.98	1.80
2	1B	2	GLU	N-CA	6.99	1.57	1.46
2	1J	2	GLU	N-CA	6.99	1.57	1.46
2	13	29	MET	CG-SD	6.99	1.98	1.80
2	17	29	MET	CG-SD	6.99	1.98	1.80
2	2B	29	MET	CG-SD	6.99	1.98	1.80
2	2F	2	GLU	N-CA	6.99	1.57	1.46
2	27	2	GLU	N-CA	6.99	1.57	1.46
2	3F	2	GLU	N-CA	6.99	1.57	1.46
2	3R	29	MET	CG-SD	6.99	1.98	1.80
2	3V	29	MET	CG-SD	6.99	1.98	1.80
2	3Z	29	MET	CG-SD	6.99	1.98	1.80
2	4B	2	GLU	N-CA	6.99	1.57	1.46
2	4N	2	GLU	N-CA	6.99	1.57	1.46
2	4V	2	GLU	N-CA	6.99	1.57	1.46
2	5F	29	MET	CG-SD	6.99	1.98	1.80
2	5J	29	MET	CG-SD	6.99	1.98	1.80
2	5N	29	MET	CG-SD	6.99	1.98	1.80
2	5R	2	GLU	N-CA	6.99	1.57	1.46
2	6J	2	GLU	N-CA	6.99	1.57	1.46
2	6R	2	GLU	N-CA	6.99	1.57	1.46
2	63	29	MET	CG-SD	6.99	1.98	1.80
2	67	29	MET	CG-SD	6.99	1.98	1.80
2	7B	29	MET	CG-SD	6.99	1.98	1.80
2	7N	2	GLU	N-CA	6.99	1.57	1.46
2	1B	50	THR	C-N	-6.99	1.25	1.33
2	1J	50	THR	C-N	-6.99	1.25	1.33
2	2F	50	THR	C-N	-6.99	1.25	1.33
2	27	50	THR	C-N	-6.99	1.25	1.33
2	3F	50	THR	C-N	-6.99	1.25	1.33
2	4B	50	THR	C-N	-6.99	1.25	1.33
2	4N	50	THR	C-N	-6.99	1.25	1.33
2	4V	50	THR	C-N	-6.99	1.25	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	50	THR	C-N	-6.99	1.25	1.33
2	6J	50	THR	C-N	-6.99	1.25	1.33
2	6R	50	THR	C-N	-6.99	1.25	1.33
2	7N	50	THR	C-N	-6.99	1.25	1.33
1	1E	21	ASN	CB-CG	-6.99	1.34	1.52
1	2M	21	ASN	CB-CG	-6.99	1.34	1.52
1	22	21	ASN	CB-CG	-6.99	1.34	1.52
1	3M	21	ASN	CB-CG	-6.99	1.34	1.52
1	36	21	ASN	CB-CG	-6.99	1.34	1.52
1	4I	21	ASN	CB-CG	-6.99	1.34	1.52
1	4Q	21	ASN	CB-CG	-6.99	1.34	1.52
1	5Y	21	ASN	CB-CG	-6.99	1.34	1.52
1	6E	21	ASN	CB-CG	-6.99	1.34	1.52
1	6Y	21	ASN	CB-CG	-6.99	1.34	1.52
1	7I	21	ASN	CB-CG	-6.99	1.34	1.52
1	7U	21	ASN	CB-CG	-6.99	1.34	1.52
2	1N	7	ASN	CA-CB	-6.98	1.41	1.53
2	1R	29	MET	CG-SD	6.98	1.98	1.80
2	1V	29	MET	CG-SD	6.98	1.98	1.80
2	1Z	29	MET	CG-SD	6.98	1.98	1.80
2	2J	7	ASN	CA-CB	-6.98	1.41	1.53
2	2R	29	MET	CG-SD	6.98	1.98	1.80
2	2V	29	MET	CG-SD	6.98	1.98	1.80
2	2Z	29	MET	CG-SD	6.98	1.98	1.80
2	3B	7	ASN	CA-CB	-6.98	1.41	1.53
2	3J	7	ASN	CA-CB	-6.98	1.41	1.53
2	33	7	ASN	CA-CB	-6.98	1.41	1.53
2	4F	7	ASN	CA-CB	-6.98	1.41	1.53
2	4Z	7	ASN	CA-CB	-6.98	1.41	1.53
2	43	29	MET	CG-SD	6.98	1.98	1.80
2	47	29	MET	CG-SD	6.98	1.98	1.80
2	5B	29	MET	CG-SD	6.98	1.98	1.80
2	5V	7	ASN	CA-CB	-6.98	1.41	1.53
2	53	29	MET	CG-SD	6.98	1.98	1.80
2	57	29	MET	CG-SD	6.98	1.98	1.80
2	6B	29	MET	CG-SD	6.98	1.98	1.80
2	6N	7	ASN	CA-CB	-6.98	1.41	1.53
2	6V	7	ASN	CA-CB	-6.98	1.41	1.53
2	7F	7	ASN	CA-CB	-6.98	1.41	1.53
2	7R	7	ASN	CA-CB	-6.98	1.41	1.53
2	1B	67	THR	C-O	6.98	1.31	1.24
2	1J	67	THR	C-O	6.98	1.31	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	13	50	THR	C-N	-6.98	1.25	1.33
2	17	50	THR	C-N	-6.98	1.25	1.33
2	2B	50	THR	C-N	-6.98	1.25	1.33
2	2F	67	THR	C-O	6.98	1.31	1.24
2	27	67	THR	C-O	6.98	1.31	1.24
2	3F	67	THR	C-O	6.98	1.31	1.24
2	3R	50	THR	C-N	-6.98	1.25	1.33
2	3V	50	THR	C-N	-6.98	1.25	1.33
2	3Z	50	THR	C-N	-6.98	1.25	1.33
2	4B	67	THR	C-O	6.98	1.31	1.24
2	4N	67	THR	C-O	6.98	1.31	1.24
2	4V	67	THR	C-O	6.98	1.31	1.24
2	5F	50	THR	C-N	-6.98	1.25	1.33
2	5J	50	THR	C-N	-6.98	1.25	1.33
2	5N	50	THR	C-N	-6.98	1.25	1.33
2	5R	67	THR	C-O	6.98	1.31	1.24
2	6J	67	THR	C-O	6.98	1.31	1.24
2	6R	67	THR	C-O	6.98	1.31	1.24
2	63	50	THR	C-N	-6.98	1.25	1.33
2	67	50	THR	C-N	-6.98	1.25	1.33
2	7B	50	THR	C-N	-6.98	1.25	1.33
2	7N	67	THR	C-O	6.98	1.31	1.24
2	1F	67	THR	C-O	6.97	1.31	1.24
2	2N	67	THR	C-O	6.97	1.31	1.24
2	23	67	THR	C-O	6.97	1.31	1.24
2	3N	67	THR	C-O	6.97	1.31	1.24
2	37	67	THR	C-O	6.97	1.31	1.24
2	4J	67	THR	C-O	6.97	1.31	1.24
2	4R	67	THR	C-O	6.97	1.31	1.24
2	5Z	67	THR	C-O	6.97	1.31	1.24
2	6F	67	THR	C-O	6.97	1.31	1.24
2	6Z	67	THR	C-O	6.97	1.31	1.24
2	7J	67	THR	C-O	6.97	1.31	1.24
2	7V	67	THR	C-O	6.97	1.31	1.24
2	1F	29	MET	CG-SD	6.97	1.98	1.80
2	1N	29	MET	CG-SD	6.97	1.98	1.80
1	1Q	21	ASN	CB-CG	-6.97	1.34	1.52
1	1U	21	ASN	CB-CG	-6.97	1.34	1.52
1	1Y	21	ASN	CB-CG	-6.97	1.34	1.52
2	2J	29	MET	CG-SD	6.97	1.98	1.80
2	2N	29	MET	CG-SD	6.97	1.98	1.80
1	2Q	21	ASN	CB-CG	-6.97	1.34	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2U	21	ASN	CB-CG	-6.97	1.34	1.52
1	2Y	21	ASN	CB-CG	-6.97	1.34	1.52
2	23	29	MET	CG-SD	6.97	1.98	1.80
2	3B	29	MET	CG-SD	6.97	1.98	1.80
2	3J	29	MET	CG-SD	6.97	1.98	1.80
2	3N	29	MET	CG-SD	6.97	1.98	1.80
2	33	29	MET	CG-SD	6.97	1.98	1.80
2	37	29	MET	CG-SD	6.97	1.98	1.80
2	4F	29	MET	CG-SD	6.97	1.98	1.80
2	4J	29	MET	CG-SD	6.97	1.98	1.80
2	4R	29	MET	CG-SD	6.97	1.98	1.80
2	4Z	29	MET	CG-SD	6.97	1.98	1.80
1	42	21	ASN	CB-CG	-6.97	1.34	1.52
1	46	21	ASN	CB-CG	-6.97	1.34	1.52
1	5A	21	ASN	CB-CG	-6.97	1.34	1.52
2	5V	29	MET	CG-SD	6.97	1.98	1.80
2	5Z	29	MET	CG-SD	6.97	1.98	1.80
1	52	21	ASN	CB-CG	-6.97	1.34	1.52
1	56	21	ASN	CB-CG	-6.97	1.34	1.52
1	6A	21	ASN	CB-CG	-6.97	1.34	1.52
2	6F	29	MET	CG-SD	6.97	1.98	1.80
2	6N	29	MET	CG-SD	6.97	1.98	1.80
2	6V	29	MET	CG-SD	6.97	1.98	1.80
2	6Z	29	MET	CG-SD	6.97	1.98	1.80
2	7F	29	MET	CG-SD	6.97	1.98	1.80
2	7J	29	MET	CG-SD	6.97	1.98	1.80
2	7R	29	MET	CG-SD	6.97	1.98	1.80
2	7V	29	MET	CG-SD	6.97	1.98	1.80
2	1N	2	GLU	N-CA	6.97	1.57	1.46
2	2J	2	GLU	N-CA	6.97	1.57	1.46
2	3B	2	GLU	N-CA	6.97	1.57	1.46
2	3J	2	GLU	N-CA	6.97	1.57	1.46
2	33	2	GLU	N-CA	6.97	1.57	1.46
2	4F	2	GLU	N-CA	6.97	1.57	1.46
2	4Z	2	GLU	N-CA	6.97	1.57	1.46
2	5V	2	GLU	N-CA	6.97	1.57	1.46
2	6N	2	GLU	N-CA	6.97	1.57	1.46
2	6V	2	GLU	N-CA	6.97	1.57	1.46
2	7F	2	GLU	N-CA	6.97	1.57	1.46
2	7R	2	GLU	N-CA	6.97	1.57	1.46
2	1B	227	TYR	CD1-CE1	6.96	1.59	1.38
2	1J	227	TYR	CD1-CE1	6.96	1.59	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1N	67	THR	C-O	6.96	1.31	1.24
2	2F	227	TYR	CD1-CE1	6.96	1.59	1.38
2	2J	67	THR	C-O	6.96	1.31	1.24
2	27	227	TYR	CD1-CE1	6.96	1.59	1.38
2	3B	67	THR	C-O	6.96	1.31	1.24
2	3F	227	TYR	CD1-CE1	6.96	1.59	1.38
2	3J	67	THR	C-O	6.96	1.31	1.24
2	33	67	THR	C-O	6.96	1.31	1.24
2	4B	227	TYR	CD1-CE1	6.96	1.59	1.38
2	4F	67	THR	C-O	6.96	1.31	1.24
2	4N	227	TYR	CD1-CE1	6.96	1.59	1.38
2	4V	227	TYR	CD1-CE1	6.96	1.59	1.38
2	4Z	67	THR	C-O	6.96	1.31	1.24
2	5R	227	TYR	CD1-CE1	6.96	1.59	1.38
2	5V	67	THR	C-O	6.96	1.31	1.24
2	6J	227	TYR	CD1-CE1	6.96	1.59	1.38
2	6N	67	THR	C-O	6.96	1.31	1.24
2	6R	227	TYR	CD1-CE1	6.96	1.59	1.38
2	6V	67	THR	C-O	6.96	1.31	1.24
2	7F	67	THR	C-O	6.96	1.31	1.24
2	7N	227	TYR	CD1-CE1	6.96	1.59	1.38
2	7R	67	THR	C-O	6.96	1.31	1.24
2	1F	227	TYR	CD1-CE1	6.96	1.59	1.38
2	1R	67	THR	C-O	6.96	1.31	1.24
2	1V	67	THR	C-O	6.96	1.31	1.24
2	1Z	67	THR	C-O	6.96	1.31	1.24
2	2N	227	TYR	CD1-CE1	6.96	1.59	1.38
2	2R	67	THR	C-O	6.96	1.31	1.24
2	2V	67	THR	C-O	6.96	1.31	1.24
2	2Z	67	THR	C-O	6.96	1.31	1.24
2	23	227	TYR	CD1-CE1	6.96	1.59	1.38
2	3N	227	TYR	CD1-CE1	6.96	1.59	1.38
2	37	227	TYR	CD1-CE1	6.96	1.59	1.38
2	4J	227	TYR	CD1-CE1	6.96	1.59	1.38
2	4R	227	TYR	CD1-CE1	6.96	1.59	1.38
2	43	67	THR	C-O	6.96	1.31	1.24
2	47	67	THR	C-O	6.96	1.31	1.24
2	5B	67	THR	C-O	6.96	1.31	1.24
2	5Z	227	TYR	CD1-CE1	6.96	1.59	1.38
2	53	67	THR	C-O	6.96	1.31	1.24
2	57	67	THR	C-O	6.96	1.31	1.24
2	6B	67	THR	C-O	6.96	1.31	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	227	TYR	CD1-CE1	6.96	1.59	1.38
2	6Z	227	TYR	CD1-CE1	6.96	1.59	1.38
2	7J	227	TYR	CD1-CE1	6.96	1.59	1.38
2	7V	227	TYR	CD1-CE1	6.96	1.59	1.38
2	1F	2	GLU	N-CA	6.96	1.57	1.46
2	1N	81	LEU	CA-C	-6.96	1.44	1.52
2	13	67	THR	C-O	6.96	1.31	1.24
2	13	227	TYR	CD1-CE1	6.96	1.59	1.38
2	17	67	THR	C-O	6.96	1.31	1.24
2	17	227	TYR	CD1-CE1	6.96	1.59	1.38
2	2B	67	THR	C-O	6.96	1.31	1.24
2	2B	227	TYR	CD1-CE1	6.96	1.59	1.38
2	2J	81	LEU	CA-C	-6.96	1.44	1.52
2	2N	2	GLU	N-CA	6.96	1.57	1.46
2	23	2	GLU	N-CA	6.96	1.57	1.46
2	3B	81	LEU	CA-C	-6.96	1.44	1.52
2	3J	81	LEU	CA-C	-6.96	1.44	1.52
2	3N	2	GLU	N-CA	6.96	1.57	1.46
2	3R	67	THR	C-O	6.96	1.31	1.24
2	3R	227	TYR	CD1-CE1	6.96	1.59	1.38
2	3V	67	THR	C-O	6.96	1.31	1.24
2	3V	227	TYR	CD1-CE1	6.96	1.59	1.38
2	3Z	67	THR	C-O	6.96	1.31	1.24
2	3Z	227	TYR	CD1-CE1	6.96	1.59	1.38
2	33	81	LEU	CA-C	-6.96	1.44	1.52
2	37	2	GLU	N-CA	6.96	1.57	1.46
2	4F	81	LEU	CA-C	-6.96	1.44	1.52
2	4J	2	GLU	N-CA	6.96	1.57	1.46
2	4R	2	GLU	N-CA	6.96	1.57	1.46
2	4Z	81	LEU	CA-C	-6.96	1.44	1.52
2	5F	67	THR	C-O	6.96	1.31	1.24
2	5F	227	TYR	CD1-CE1	6.96	1.59	1.38
2	5J	67	THR	C-O	6.96	1.31	1.24
2	5J	227	TYR	CD1-CE1	6.96	1.59	1.38
2	5N	67	THR	C-O	6.96	1.31	1.24
2	5N	227	TYR	CD1-CE1	6.96	1.59	1.38
2	5V	81	LEU	CA-C	-6.96	1.44	1.52
2	5Z	2	GLU	N-CA	6.96	1.57	1.46
2	6F	2	GLU	N-CA	6.96	1.57	1.46
2	6N	81	LEU	CA-C	-6.96	1.44	1.52
2	6V	81	LEU	CA-C	-6.96	1.44	1.52
2	6Z	2	GLU	N-CA	6.96	1.57	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	63	67	THR	C-O	6.96	1.31	1.24
2	63	227	TYR	CD1-CE1	6.96	1.59	1.38
2	67	67	THR	C-O	6.96	1.31	1.24
2	67	227	TYR	CD1-CE1	6.96	1.59	1.38
2	7B	67	THR	C-O	6.96	1.31	1.24
2	7B	227	TYR	CD1-CE1	6.96	1.59	1.38
2	7F	81	LEU	CA-C	-6.96	1.44	1.52
2	7J	2	GLU	N-CA	6.96	1.57	1.46
2	7R	81	LEU	CA-C	-6.96	1.44	1.52
2	7V	2	GLU	N-CA	6.96	1.57	1.46
2	1N	227	TYR	CD1-CE1	6.95	1.59	1.38
2	2J	227	TYR	CD1-CE1	6.95	1.59	1.38
2	3B	227	TYR	CD1-CE1	6.95	1.59	1.38
2	3J	227	TYR	CD1-CE1	6.95	1.59	1.38
2	33	227	TYR	CD1-CE1	6.95	1.59	1.38
2	4F	227	TYR	CD1-CE1	6.95	1.59	1.38
2	4Z	227	TYR	CD1-CE1	6.95	1.59	1.38
2	5V	227	TYR	CD1-CE1	6.95	1.59	1.38
2	6N	227	TYR	CD1-CE1	6.95	1.59	1.38
2	6V	227	TYR	CD1-CE1	6.95	1.59	1.38
2	7F	227	TYR	CD1-CE1	6.95	1.59	1.38
2	7R	227	TYR	CD1-CE1	6.95	1.59	1.38
2	1N	40	ASN	N-CA	-6.95	1.37	1.46
2	1R	227	TYR	CD1-CE1	6.95	1.59	1.38
2	1V	227	TYR	CD1-CE1	6.95	1.59	1.38
2	1Z	227	TYR	CD1-CE1	6.95	1.59	1.38
2	2J	40	ASN	N-CA	-6.95	1.37	1.46
2	2R	227	TYR	CD1-CE1	6.95	1.59	1.38
2	2V	227	TYR	CD1-CE1	6.95	1.59	1.38
2	2Z	227	TYR	CD1-CE1	6.95	1.59	1.38
2	3B	40	ASN	N-CA	-6.95	1.37	1.46
2	3J	40	ASN	N-CA	-6.95	1.37	1.46
2	33	40	ASN	N-CA	-6.95	1.37	1.46
2	4F	40	ASN	N-CA	-6.95	1.37	1.46
2	4Z	40	ASN	N-CA	-6.95	1.37	1.46
2	43	227	TYR	CD1-CE1	6.95	1.59	1.38
2	47	227	TYR	CD1-CE1	6.95	1.59	1.38
2	5B	227	TYR	CD1-CE1	6.95	1.59	1.38
2	5V	40	ASN	N-CA	-6.95	1.37	1.46
2	53	227	TYR	CD1-CE1	6.95	1.59	1.38
2	57	227	TYR	CD1-CE1	6.95	1.59	1.38
2	6B	227	TYR	CD1-CE1	6.95	1.59	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	40	ASN	N-CA	-6.95	1.37	1.46
2	6V	40	ASN	N-CA	-6.95	1.37	1.46
2	7F	40	ASN	N-CA	-6.95	1.37	1.46
2	7R	40	ASN	N-CA	-6.95	1.37	1.46
2	1F	7	ASN	CA-CB	-6.95	1.41	1.53
2	1F	40	ASN	N-CA	-6.95	1.37	1.46
2	13	40	ASN	N-CA	-6.95	1.37	1.46
2	13	218	ARG	CD-NE	-6.95	1.36	1.46
2	17	40	ASN	N-CA	-6.95	1.37	1.46
2	17	218	ARG	CD-NE	-6.95	1.36	1.46
2	2B	40	ASN	N-CA	-6.95	1.37	1.46
2	2B	218	ARG	CD-NE	-6.95	1.36	1.46
2	2N	7	ASN	CA-CB	-6.95	1.41	1.53
2	2N	40	ASN	N-CA	-6.95	1.37	1.46
2	23	7	ASN	CA-CB	-6.95	1.41	1.53
2	23	40	ASN	N-CA	-6.95	1.37	1.46
2	3N	7	ASN	CA-CB	-6.95	1.41	1.53
2	3N	40	ASN	N-CA	-6.95	1.37	1.46
2	3R	40	ASN	N-CA	-6.95	1.37	1.46
2	3R	218	ARG	CD-NE	-6.95	1.36	1.46
2	3V	40	ASN	N-CA	-6.95	1.37	1.46
2	3V	218	ARG	CD-NE	-6.95	1.36	1.46
2	3Z	40	ASN	N-CA	-6.95	1.37	1.46
2	3Z	218	ARG	CD-NE	-6.95	1.36	1.46
2	37	7	ASN	CA-CB	-6.95	1.41	1.53
2	37	40	ASN	N-CA	-6.95	1.37	1.46
2	4J	7	ASN	CA-CB	-6.95	1.41	1.53
2	4J	40	ASN	N-CA	-6.95	1.37	1.46
2	4R	7	ASN	CA-CB	-6.95	1.41	1.53
2	4R	40	ASN	N-CA	-6.95	1.37	1.46
2	5F	40	ASN	N-CA	-6.95	1.37	1.46
2	5F	218	ARG	CD-NE	-6.95	1.36	1.46
2	5J	40	ASN	N-CA	-6.95	1.37	1.46
2	5J	218	ARG	CD-NE	-6.95	1.36	1.46
2	5N	40	ASN	N-CA	-6.95	1.37	1.46
2	5N	218	ARG	CD-NE	-6.95	1.36	1.46
2	5Z	7	ASN	CA-CB	-6.95	1.41	1.53
2	5Z	40	ASN	N-CA	-6.95	1.37	1.46
2	6F	7	ASN	CA-CB	-6.95	1.41	1.53
2	6F	40	ASN	N-CA	-6.95	1.37	1.46
2	6Z	7	ASN	CA-CB	-6.95	1.41	1.53
2	6Z	40	ASN	N-CA	-6.95	1.37	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	63	40	ASN	N-CA	-6.95	1.37	1.46
2	63	218	ARG	CD-NE	-6.95	1.36	1.46
2	67	40	ASN	N-CA	-6.95	1.37	1.46
2	67	218	ARG	CD-NE	-6.95	1.36	1.46
2	7B	40	ASN	N-CA	-6.95	1.37	1.46
2	7B	218	ARG	CD-NE	-6.95	1.36	1.46
2	7J	7	ASN	CA-CB	-6.95	1.41	1.53
2	7J	40	ASN	N-CA	-6.95	1.37	1.46
2	7V	7	ASN	CA-CB	-6.95	1.41	1.53
2	7V	40	ASN	N-CA	-6.95	1.37	1.46
2	1B	81	LEU	CA-C	-6.95	1.44	1.52
2	1J	81	LEU	CA-C	-6.95	1.44	1.52
2	2F	81	LEU	CA-C	-6.95	1.44	1.52
2	27	81	LEU	CA-C	-6.95	1.44	1.52
2	3F	81	LEU	CA-C	-6.95	1.44	1.52
2	4B	81	LEU	CA-C	-6.95	1.44	1.52
2	4N	81	LEU	CA-C	-6.95	1.44	1.52
2	4V	81	LEU	CA-C	-6.95	1.44	1.52
2	5R	81	LEU	CA-C	-6.95	1.44	1.52
2	6J	81	LEU	CA-C	-6.95	1.44	1.52
2	6R	81	LEU	CA-C	-6.95	1.44	1.52
2	7N	81	LEU	CA-C	-6.95	1.44	1.52
2	1B	7	ASN	CA-CB	-6.95	1.41	1.53
2	1J	7	ASN	CA-CB	-6.95	1.41	1.53
2	2F	7	ASN	CA-CB	-6.95	1.41	1.53
2	27	7	ASN	CA-CB	-6.95	1.41	1.53
2	3F	7	ASN	CA-CB	-6.95	1.41	1.53
2	4B	7	ASN	CA-CB	-6.95	1.41	1.53
2	4N	7	ASN	CA-CB	-6.95	1.41	1.53
2	4V	7	ASN	CA-CB	-6.95	1.41	1.53
2	5R	7	ASN	CA-CB	-6.95	1.41	1.53
2	6J	7	ASN	CA-CB	-6.95	1.41	1.53
2	6R	7	ASN	CA-CB	-6.95	1.41	1.53
2	7N	7	ASN	CA-CB	-6.95	1.41	1.53
2	13	81	LEU	CA-C	-6.94	1.44	1.52
2	17	81	LEU	CA-C	-6.94	1.44	1.52
2	2B	81	LEU	CA-C	-6.94	1.44	1.52
2	3R	81	LEU	CA-C	-6.94	1.44	1.52
2	3V	81	LEU	CA-C	-6.94	1.44	1.52
2	3Z	81	LEU	CA-C	-6.94	1.44	1.52
2	5F	81	LEU	CA-C	-6.94	1.44	1.52
2	5J	81	LEU	CA-C	-6.94	1.44	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	81	LEU	CA-C	-6.94	1.44	1.52
2	63	81	LEU	CA-C	-6.94	1.44	1.52
2	67	81	LEU	CA-C	-6.94	1.44	1.52
2	7B	81	LEU	CA-C	-6.94	1.44	1.52
1	1A	21	ASN	CB-CG	-6.94	1.34	1.52
1	1I	21	ASN	CB-CG	-6.94	1.34	1.52
1	2E	21	ASN	CB-CG	-6.94	1.34	1.52
1	26	21	ASN	CB-CG	-6.94	1.34	1.52
1	3E	21	ASN	CB-CG	-6.94	1.34	1.52
1	4A	21	ASN	CB-CG	-6.94	1.34	1.52
1	4M	21	ASN	CB-CG	-6.94	1.34	1.52
1	4U	21	ASN	CB-CG	-6.94	1.34	1.52
1	5Q	21	ASN	CB-CG	-6.94	1.34	1.52
1	6I	21	ASN	CB-CG	-6.94	1.34	1.52
1	6Q	21	ASN	CB-CG	-6.94	1.34	1.52
1	7M	21	ASN	CB-CG	-6.94	1.34	1.52
2	1R	7	ASN	CA-CB	-6.94	1.41	1.53
2	1V	7	ASN	CA-CB	-6.94	1.41	1.53
2	1Z	7	ASN	CA-CB	-6.94	1.41	1.53
2	2R	7	ASN	CA-CB	-6.94	1.41	1.53
2	2V	7	ASN	CA-CB	-6.94	1.41	1.53
2	2Z	7	ASN	CA-CB	-6.94	1.41	1.53
2	43	7	ASN	CA-CB	-6.94	1.41	1.53
2	47	7	ASN	CA-CB	-6.94	1.41	1.53
2	5B	7	ASN	CA-CB	-6.94	1.41	1.53
2	53	7	ASN	CA-CB	-6.94	1.41	1.53
2	57	7	ASN	CA-CB	-6.94	1.41	1.53
2	6B	7	ASN	CA-CB	-6.94	1.41	1.53
2	1F	71	ALA	CA-C	6.94	1.61	1.52
2	2N	71	ALA	CA-C	6.94	1.61	1.52
2	23	71	ALA	CA-C	6.94	1.61	1.52
2	3N	71	ALA	CA-C	6.94	1.61	1.52
2	37	71	ALA	CA-C	6.94	1.61	1.52
2	4J	71	ALA	CA-C	6.94	1.61	1.52
2	4R	71	ALA	CA-C	6.94	1.61	1.52
2	5Z	71	ALA	CA-C	6.94	1.61	1.52
2	6F	71	ALA	CA-C	6.94	1.61	1.52
2	6Z	71	ALA	CA-C	6.94	1.61	1.52
2	7J	71	ALA	CA-C	6.94	1.61	1.52
2	7V	71	ALA	CA-C	6.94	1.61	1.52
1	12	21	ASN	CB-CG	-6.93	1.34	1.52
1	16	21	ASN	CB-CG	-6.93	1.34	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	21	ASN	CB-CG	-6.93	1.34	1.52
1	3Q	21	ASN	CB-CG	-6.93	1.34	1.52
1	3U	21	ASN	CB-CG	-6.93	1.34	1.52
1	3Y	21	ASN	CB-CG	-6.93	1.34	1.52
1	5E	21	ASN	CB-CG	-6.93	1.34	1.52
1	5I	21	ASN	CB-CG	-6.93	1.34	1.52
1	5M	21	ASN	CB-CG	-6.93	1.34	1.52
1	62	21	ASN	CB-CG	-6.93	1.34	1.52
1	66	21	ASN	CB-CG	-6.93	1.34	1.52
1	7A	21	ASN	CB-CG	-6.93	1.34	1.52
2	1N	50	THR	C-N	-6.93	1.25	1.33
2	2J	50	THR	C-N	-6.93	1.25	1.33
2	3B	50	THR	C-N	-6.93	1.25	1.33
2	3J	50	THR	C-N	-6.93	1.25	1.33
2	33	50	THR	C-N	-6.93	1.25	1.33
2	4F	50	THR	C-N	-6.93	1.25	1.33
2	4Z	50	THR	C-N	-6.93	1.25	1.33
2	5V	50	THR	C-N	-6.93	1.25	1.33
2	6N	50	THR	C-N	-6.93	1.25	1.33
2	6V	50	THR	C-N	-6.93	1.25	1.33
2	7F	50	THR	C-N	-6.93	1.25	1.33
2	7R	50	THR	C-N	-6.93	1.25	1.33
1	1M	21	ASN	CB-CG	-6.92	1.34	1.52
1	1M	35	THR	N-CA	-6.92	1.36	1.45
1	2I	21	ASN	CB-CG	-6.92	1.34	1.52
1	2I	35	THR	N-CA	-6.92	1.36	1.45
1	3A	21	ASN	CB-CG	-6.92	1.34	1.52
1	3A	35	THR	N-CA	-6.92	1.36	1.45
1	3I	21	ASN	CB-CG	-6.92	1.34	1.52
1	3I	35	THR	N-CA	-6.92	1.36	1.45
1	32	21	ASN	CB-CG	-6.92	1.34	1.52
1	32	35	THR	N-CA	-6.92	1.36	1.45
1	4E	21	ASN	CB-CG	-6.92	1.34	1.52
1	4E	35	THR	N-CA	-6.92	1.36	1.45
1	4Y	21	ASN	CB-CG	-6.92	1.34	1.52
1	4Y	35	THR	N-CA	-6.92	1.36	1.45
1	5U	21	ASN	CB-CG	-6.92	1.34	1.52
1	5U	35	THR	N-CA	-6.92	1.36	1.45
1	6M	21	ASN	CB-CG	-6.92	1.34	1.52
1	6M	35	THR	N-CA	-6.92	1.36	1.45
1	6U	21	ASN	CB-CG	-6.92	1.34	1.52
1	6U	35	THR	N-CA	-6.92	1.36	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7E	21	ASN	CB-CG	-6.92	1.34	1.52
1	7E	35	THR	N-CA	-6.92	1.36	1.45
1	7Q	21	ASN	CB-CG	-6.92	1.34	1.52
1	7Q	35	THR	N-CA	-6.92	1.36	1.45
2	1B	218	ARG	CD-NE	-6.92	1.36	1.46
2	1F	3	PRO	CB-CG	6.92	1.84	1.49
2	1J	218	ARG	CD-NE	-6.92	1.36	1.46
2	2F	218	ARG	CD-NE	-6.92	1.36	1.46
2	2N	3	PRO	CB-CG	6.92	1.84	1.49
2	23	3	PRO	CB-CG	6.92	1.84	1.49
2	27	218	ARG	CD-NE	-6.92	1.36	1.46
2	3F	218	ARG	CD-NE	-6.92	1.36	1.46
2	3N	3	PRO	CB-CG	6.92	1.84	1.49
2	37	3	PRO	CB-CG	6.92	1.84	1.49
2	4B	218	ARG	CD-NE	-6.92	1.36	1.46
2	4J	3	PRO	CB-CG	6.92	1.84	1.49
2	4N	218	ARG	CD-NE	-6.92	1.36	1.46
2	4R	3	PRO	CB-CG	6.92	1.84	1.49
2	4V	218	ARG	CD-NE	-6.92	1.36	1.46
2	5R	218	ARG	CD-NE	-6.92	1.36	1.46
2	5Z	3	PRO	CB-CG	6.92	1.84	1.49
2	6F	3	PRO	CB-CG	6.92	1.84	1.49
2	6J	218	ARG	CD-NE	-6.92	1.36	1.46
2	6R	218	ARG	CD-NE	-6.92	1.36	1.46
2	6Z	3	PRO	CB-CG	6.92	1.84	1.49
2	7J	3	PRO	CB-CG	6.92	1.84	1.49
2	7N	218	ARG	CD-NE	-6.92	1.36	1.46
2	7V	3	PRO	CB-CG	6.92	1.84	1.49
2	1R	3	PRO	CB-CG	6.91	1.84	1.49
2	1V	3	PRO	CB-CG	6.91	1.84	1.49
2	1Z	3	PRO	CB-CG	6.91	1.84	1.49
2	13	7	ASN	CA-CB	-6.91	1.41	1.53
2	17	7	ASN	CA-CB	-6.91	1.41	1.53
2	2B	7	ASN	CA-CB	-6.91	1.41	1.53
2	2R	3	PRO	CB-CG	6.91	1.84	1.49
2	2V	3	PRO	CB-CG	6.91	1.84	1.49
2	2Z	3	PRO	CB-CG	6.91	1.84	1.49
2	3R	7	ASN	CA-CB	-6.91	1.41	1.53
2	3V	7	ASN	CA-CB	-6.91	1.41	1.53
2	3Z	7	ASN	CA-CB	-6.91	1.41	1.53
2	43	3	PRO	CB-CG	6.91	1.84	1.49
2	47	3	PRO	CB-CG	6.91	1.84	1.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	3	PRO	CB-CG	6.91	1.84	1.49
2	5F	7	ASN	CA-CB	-6.91	1.41	1.53
2	5J	7	ASN	CA-CB	-6.91	1.41	1.53
2	5N	7	ASN	CA-CB	-6.91	1.41	1.53
2	53	3	PRO	CB-CG	6.91	1.84	1.49
2	57	3	PRO	CB-CG	6.91	1.84	1.49
2	6B	3	PRO	CB-CG	6.91	1.84	1.49
2	63	7	ASN	CA-CB	-6.91	1.41	1.53
2	67	7	ASN	CA-CB	-6.91	1.41	1.53
2	7B	7	ASN	CA-CB	-6.91	1.41	1.53
2	1N	3	PRO	CB-CG	6.91	1.84	1.49
2	2J	3	PRO	CB-CG	6.91	1.84	1.49
2	3B	3	PRO	CB-CG	6.91	1.84	1.49
2	3J	3	PRO	CB-CG	6.91	1.84	1.49
2	33	3	PRO	CB-CG	6.91	1.84	1.49
2	4F	3	PRO	CB-CG	6.91	1.84	1.49
2	4Z	3	PRO	CB-CG	6.91	1.84	1.49
2	5V	3	PRO	CB-CG	6.91	1.84	1.49
2	6N	3	PRO	CB-CG	6.91	1.84	1.49
2	6V	3	PRO	CB-CG	6.91	1.84	1.49
2	7F	3	PRO	CB-CG	6.91	1.84	1.49
2	7R	3	PRO	CB-CG	6.91	1.84	1.49
2	1B	3	PRO	CB-CG	6.91	1.84	1.49
2	1J	3	PRO	CB-CG	6.91	1.84	1.49
2	13	3	PRO	CB-CG	6.91	1.84	1.49
2	17	3	PRO	CB-CG	6.91	1.84	1.49
2	2B	3	PRO	CB-CG	6.91	1.84	1.49
2	2F	3	PRO	CB-CG	6.91	1.84	1.49
2	27	3	PRO	CB-CG	6.91	1.84	1.49
2	3F	3	PRO	CB-CG	6.91	1.84	1.49
2	3R	3	PRO	CB-CG	6.91	1.84	1.49
2	3V	3	PRO	CB-CG	6.91	1.84	1.49
2	3Z	3	PRO	CB-CG	6.91	1.84	1.49
2	4B	3	PRO	CB-CG	6.91	1.84	1.49
2	4N	3	PRO	CB-CG	6.91	1.84	1.49
2	4V	3	PRO	CB-CG	6.91	1.84	1.49
2	5F	3	PRO	CB-CG	6.91	1.84	1.49
2	5J	3	PRO	CB-CG	6.91	1.84	1.49
2	5N	3	PRO	CB-CG	6.91	1.84	1.49
2	5R	3	PRO	CB-CG	6.91	1.84	1.49
2	6J	3	PRO	CB-CG	6.91	1.84	1.49
2	6R	3	PRO	CB-CG	6.91	1.84	1.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	63	3	PRO	CB-CG	6.91	1.84	1.49
2	67	3	PRO	CB-CG	6.91	1.84	1.49
2	7B	3	PRO	CB-CG	6.91	1.84	1.49
2	7N	3	PRO	CB-CG	6.91	1.84	1.49
2	13	71	ALA	CA-C	6.90	1.60	1.52
2	17	71	ALA	CA-C	6.90	1.60	1.52
2	2B	71	ALA	CA-C	6.90	1.60	1.52
2	3R	71	ALA	CA-C	6.90	1.60	1.52
2	3V	71	ALA	CA-C	6.90	1.60	1.52
2	3Z	71	ALA	CA-C	6.90	1.60	1.52
2	5F	71	ALA	CA-C	6.90	1.60	1.52
2	5J	71	ALA	CA-C	6.90	1.60	1.52
2	5N	71	ALA	CA-C	6.90	1.60	1.52
2	63	71	ALA	CA-C	6.90	1.60	1.52
2	67	71	ALA	CA-C	6.90	1.60	1.52
2	7B	71	ALA	CA-C	6.90	1.60	1.52
2	1N	218	ARG	CD-NE	-6.90	1.36	1.46
2	2J	218	ARG	CD-NE	-6.90	1.36	1.46
2	3B	218	ARG	CD-NE	-6.90	1.36	1.46
2	3J	218	ARG	CD-NE	-6.90	1.36	1.46
2	33	218	ARG	CD-NE	-6.90	1.36	1.46
2	4F	218	ARG	CD-NE	-6.90	1.36	1.46
2	4Z	218	ARG	CD-NE	-6.90	1.36	1.46
2	5V	218	ARG	CD-NE	-6.90	1.36	1.46
2	6N	218	ARG	CD-NE	-6.90	1.36	1.46
2	6V	218	ARG	CD-NE	-6.90	1.36	1.46
2	7F	218	ARG	CD-NE	-6.90	1.36	1.46
2	7R	218	ARG	CD-NE	-6.90	1.36	1.46
2	1N	71	ALA	CA-C	6.90	1.60	1.52
1	12	80	PHE	CE1-CZ	-6.90	1.18	1.38
1	16	80	PHE	CE1-CZ	-6.90	1.18	1.38
1	2A	80	PHE	CE1-CZ	-6.90	1.18	1.38
2	2J	71	ALA	CA-C	6.90	1.60	1.52
2	3B	71	ALA	CA-C	6.90	1.60	1.52
2	3J	71	ALA	CA-C	6.90	1.60	1.52
1	3Q	80	PHE	CE1-CZ	-6.90	1.18	1.38
1	3U	80	PHE	CE1-CZ	-6.90	1.18	1.38
1	3Y	80	PHE	CE1-CZ	-6.90	1.18	1.38
2	33	71	ALA	CA-C	6.90	1.60	1.52
2	4F	71	ALA	CA-C	6.90	1.60	1.52
2	4Z	71	ALA	CA-C	6.90	1.60	1.52
1	5E	80	PHE	CE1-CZ	-6.90	1.18	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5I	80	PHE	CE1-CZ	-6.90	1.18	1.38
1	5M	80	PHE	CE1-CZ	-6.90	1.18	1.38
2	5V	71	ALA	CA-C	6.90	1.60	1.52
2	6N	71	ALA	CA-C	6.90	1.60	1.52
2	6V	71	ALA	CA-C	6.90	1.60	1.52
1	62	80	PHE	CE1-CZ	-6.90	1.18	1.38
1	66	80	PHE	CE1-CZ	-6.90	1.18	1.38
1	7A	80	PHE	CE1-CZ	-6.90	1.18	1.38
2	7F	71	ALA	CA-C	6.90	1.60	1.52
2	7R	71	ALA	CA-C	6.90	1.60	1.52
2	1F	22	GLN	C-N	6.90	1.47	1.33
2	2N	22	GLN	C-N	6.90	1.47	1.33
2	23	22	GLN	C-N	6.90	1.47	1.33
2	3N	22	GLN	C-N	6.90	1.47	1.33
2	37	22	GLN	C-N	6.90	1.47	1.33
2	4J	22	GLN	C-N	6.90	1.47	1.33
2	4R	22	GLN	C-N	6.90	1.47	1.33
2	5Z	22	GLN	C-N	6.90	1.47	1.33
2	6F	22	GLN	C-N	6.90	1.47	1.33
2	6Z	22	GLN	C-N	6.90	1.47	1.33
2	7J	22	GLN	C-N	6.90	1.47	1.33
2	7V	22	GLN	C-N	6.90	1.47	1.33
1	1M	80	PHE	CE1-CZ	-6.89	1.18	1.38
1	2I	80	PHE	CE1-CZ	-6.89	1.18	1.38
1	3A	80	PHE	CE1-CZ	-6.89	1.18	1.38
1	3I	80	PHE	CE1-CZ	-6.89	1.18	1.38
1	32	80	PHE	CE1-CZ	-6.89	1.18	1.38
1	4E	80	PHE	CE1-CZ	-6.89	1.18	1.38
1	4Y	80	PHE	CE1-CZ	-6.89	1.18	1.38
1	5U	80	PHE	CE1-CZ	-6.89	1.18	1.38
1	6M	80	PHE	CE1-CZ	-6.89	1.18	1.38
1	6U	80	PHE	CE1-CZ	-6.89	1.18	1.38
1	7E	80	PHE	CE1-CZ	-6.89	1.18	1.38
1	7Q	80	PHE	CE1-CZ	-6.89	1.18	1.38
2	1F	218	ARG	CD-NE	-6.89	1.36	1.46
2	2N	218	ARG	CD-NE	-6.89	1.36	1.46
2	23	218	ARG	CD-NE	-6.89	1.36	1.46
2	3N	218	ARG	CD-NE	-6.89	1.36	1.46
2	37	218	ARG	CD-NE	-6.89	1.36	1.46
2	4J	218	ARG	CD-NE	-6.89	1.36	1.46
2	4R	218	ARG	CD-NE	-6.89	1.36	1.46
2	5Z	218	ARG	CD-NE	-6.89	1.36	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	218	ARG	CD-NE	-6.89	1.36	1.46
2	6Z	218	ARG	CD-NE	-6.89	1.36	1.46
2	7J	218	ARG	CD-NE	-6.89	1.36	1.46
2	7V	218	ARG	CD-NE	-6.89	1.36	1.46
1	1E	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	2M	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	22	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	3M	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	36	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	4I	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	4Q	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	5Y	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	6E	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	6Y	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	7I	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	7U	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	1A	35	THR	N-CA	-6.88	1.36	1.45
1	1I	35	THR	N-CA	-6.88	1.36	1.45
1	2E	35	THR	N-CA	-6.88	1.36	1.45
1	26	35	THR	N-CA	-6.88	1.36	1.45
1	3E	35	THR	N-CA	-6.88	1.36	1.45
1	4A	35	THR	N-CA	-6.88	1.36	1.45
1	4M	35	THR	N-CA	-6.88	1.36	1.45
1	4U	35	THR	N-CA	-6.88	1.36	1.45
1	5Q	35	THR	N-CA	-6.88	1.36	1.45
1	6I	35	THR	N-CA	-6.88	1.36	1.45
1	6Q	35	THR	N-CA	-6.88	1.36	1.45
1	7M	35	THR	N-CA	-6.88	1.36	1.45
2	1B	22	GLN	C-N	6.88	1.47	1.33
2	1J	22	GLN	C-N	6.88	1.47	1.33
2	2F	22	GLN	C-N	6.88	1.47	1.33
2	27	22	GLN	C-N	6.88	1.47	1.33
2	3F	22	GLN	C-N	6.88	1.47	1.33
2	4B	22	GLN	C-N	6.88	1.47	1.33
2	4N	22	GLN	C-N	6.88	1.47	1.33
2	4V	22	GLN	C-N	6.88	1.47	1.33
2	5R	22	GLN	C-N	6.88	1.47	1.33
2	6J	22	GLN	C-N	6.88	1.47	1.33
2	6R	22	GLN	C-N	6.88	1.47	1.33
2	7N	22	GLN	C-N	6.88	1.47	1.33
1	1A	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	1I	80	PHE	CE1-CZ	-6.88	1.18	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Q	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	1U	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	1Y	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	2E	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	2Q	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	2U	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	2Y	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	26	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	3E	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	4A	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	4M	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	4U	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	42	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	46	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	5A	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	5Q	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	52	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	56	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	6A	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	6I	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	6Q	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	7M	80	PHE	CE1-CZ	-6.88	1.18	1.38
1	1E	35	THR	N-CA	-6.87	1.36	1.45
2	13	8	VAL	C-O	-6.87	1.15	1.24
2	17	8	VAL	C-O	-6.87	1.15	1.24
2	2B	8	VAL	C-O	-6.87	1.15	1.24
1	2M	35	THR	N-CA	-6.87	1.36	1.45
1	22	35	THR	N-CA	-6.87	1.36	1.45
1	3M	35	THR	N-CA	-6.87	1.36	1.45
2	3R	8	VAL	C-O	-6.87	1.15	1.24
2	3V	8	VAL	C-O	-6.87	1.15	1.24
2	3Z	8	VAL	C-O	-6.87	1.15	1.24
1	36	35	THR	N-CA	-6.87	1.36	1.45
1	4I	35	THR	N-CA	-6.87	1.36	1.45
1	4Q	35	THR	N-CA	-6.87	1.36	1.45
2	5F	8	VAL	C-O	-6.87	1.15	1.24
2	5J	8	VAL	C-O	-6.87	1.15	1.24
2	5N	8	VAL	C-O	-6.87	1.15	1.24
1	5Y	35	THR	N-CA	-6.87	1.36	1.45
1	6E	35	THR	N-CA	-6.87	1.36	1.45
1	6Y	35	THR	N-CA	-6.87	1.36	1.45
2	63	8	VAL	C-O	-6.87	1.15	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	67	8	VAL	C-O	-6.87	1.15	1.24
2	7B	8	VAL	C-O	-6.87	1.15	1.24
1	7I	35	THR	N-CA	-6.87	1.36	1.45
1	7U	35	THR	N-CA	-6.87	1.36	1.45
2	1B	71	ALA	CA-C	6.87	1.60	1.52
2	1J	71	ALA	CA-C	6.87	1.60	1.52
2	13	22	GLN	C-N	6.87	1.47	1.33
2	17	22	GLN	C-N	6.87	1.47	1.33
2	2B	22	GLN	C-N	6.87	1.47	1.33
2	2F	71	ALA	CA-C	6.87	1.60	1.52
2	27	71	ALA	CA-C	6.87	1.60	1.52
2	3F	71	ALA	CA-C	6.87	1.60	1.52
2	3R	22	GLN	C-N	6.87	1.47	1.33
2	3V	22	GLN	C-N	6.87	1.47	1.33
2	3Z	22	GLN	C-N	6.87	1.47	1.33
2	4B	71	ALA	CA-C	6.87	1.60	1.52
2	4N	71	ALA	CA-C	6.87	1.60	1.52
2	4V	71	ALA	CA-C	6.87	1.60	1.52
2	5F	22	GLN	C-N	6.87	1.47	1.33
2	5J	22	GLN	C-N	6.87	1.47	1.33
2	5N	22	GLN	C-N	6.87	1.47	1.33
2	5R	71	ALA	CA-C	6.87	1.60	1.52
2	6J	71	ALA	CA-C	6.87	1.60	1.52
2	6R	71	ALA	CA-C	6.87	1.60	1.52
2	63	22	GLN	C-N	6.87	1.47	1.33
2	67	22	GLN	C-N	6.87	1.47	1.33
2	7B	22	GLN	C-N	6.87	1.47	1.33
2	7N	71	ALA	CA-C	6.87	1.60	1.52
1	1Q	35	THR	N-CA	-6.86	1.36	1.45
2	1R	22	GLN	C-N	6.86	1.47	1.33
2	1R	218	ARG	CD-NE	-6.86	1.36	1.46
1	1U	35	THR	N-CA	-6.86	1.36	1.45
2	1V	22	GLN	C-N	6.86	1.47	1.33
2	1V	218	ARG	CD-NE	-6.86	1.36	1.46
1	1Y	35	THR	N-CA	-6.86	1.36	1.45
2	1Z	22	GLN	C-N	6.86	1.47	1.33
2	1Z	218	ARG	CD-NE	-6.86	1.36	1.46
1	2Q	35	THR	N-CA	-6.86	1.36	1.45
2	2R	22	GLN	C-N	6.86	1.47	1.33
2	2R	218	ARG	CD-NE	-6.86	1.36	1.46
1	2U	35	THR	N-CA	-6.86	1.36	1.45
2	2V	22	GLN	C-N	6.86	1.47	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2V	218	ARG	CD-NE	-6.86	1.36	1.46
1	2Y	35	THR	N-CA	-6.86	1.36	1.45
2	2Z	22	GLN	C-N	6.86	1.47	1.33
2	2Z	218	ARG	CD-NE	-6.86	1.36	1.46
1	42	35	THR	N-CA	-6.86	1.36	1.45
2	43	22	GLN	C-N	6.86	1.47	1.33
2	43	218	ARG	CD-NE	-6.86	1.36	1.46
1	46	35	THR	N-CA	-6.86	1.36	1.45
2	47	22	GLN	C-N	6.86	1.47	1.33
2	47	218	ARG	CD-NE	-6.86	1.36	1.46
1	5A	35	THR	N-CA	-6.86	1.36	1.45
2	5B	22	GLN	C-N	6.86	1.47	1.33
2	5B	218	ARG	CD-NE	-6.86	1.36	1.46
1	52	35	THR	N-CA	-6.86	1.36	1.45
2	53	22	GLN	C-N	6.86	1.47	1.33
2	53	218	ARG	CD-NE	-6.86	1.36	1.46
1	56	35	THR	N-CA	-6.86	1.36	1.45
2	57	22	GLN	C-N	6.86	1.47	1.33
2	57	218	ARG	CD-NE	-6.86	1.36	1.46
1	6A	35	THR	N-CA	-6.86	1.36	1.45
2	6B	22	GLN	C-N	6.86	1.47	1.33
2	6B	218	ARG	CD-NE	-6.86	1.36	1.46
2	1R	71	ALA	CA-C	6.86	1.60	1.52
2	1V	71	ALA	CA-C	6.86	1.60	1.52
2	1Z	71	ALA	CA-C	6.86	1.60	1.52
2	2R	71	ALA	CA-C	6.86	1.60	1.52
2	2V	71	ALA	CA-C	6.86	1.60	1.52
2	2Z	71	ALA	CA-C	6.86	1.60	1.52
2	43	71	ALA	CA-C	6.86	1.60	1.52
2	47	71	ALA	CA-C	6.86	1.60	1.52
2	5B	71	ALA	CA-C	6.86	1.60	1.52
2	53	71	ALA	CA-C	6.86	1.60	1.52
2	57	71	ALA	CA-C	6.86	1.60	1.52
2	6B	71	ALA	CA-C	6.86	1.60	1.52
2	1B	8	VAL	C-O	-6.85	1.16	1.24
2	1J	8	VAL	C-O	-6.85	1.16	1.24
2	1R	8	VAL	C-O	-6.85	1.16	1.24
2	1V	8	VAL	C-O	-6.85	1.16	1.24
2	1Z	8	VAL	C-O	-6.85	1.16	1.24
2	2F	8	VAL	C-O	-6.85	1.16	1.24
2	2R	8	VAL	C-O	-6.85	1.16	1.24
2	2V	8	VAL	C-O	-6.85	1.16	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2Z	8	VAL	C-O	-6.85	1.16	1.24
2	27	8	VAL	C-O	-6.85	1.16	1.24
2	3F	8	VAL	C-O	-6.85	1.16	1.24
2	4B	8	VAL	C-O	-6.85	1.16	1.24
2	4N	8	VAL	C-O	-6.85	1.16	1.24
2	4V	8	VAL	C-O	-6.85	1.16	1.24
2	43	8	VAL	C-O	-6.85	1.16	1.24
2	47	8	VAL	C-O	-6.85	1.16	1.24
2	5B	8	VAL	C-O	-6.85	1.16	1.24
2	5R	8	VAL	C-O	-6.85	1.16	1.24
2	53	8	VAL	C-O	-6.85	1.16	1.24
2	57	8	VAL	C-O	-6.85	1.16	1.24
2	6B	8	VAL	C-O	-6.85	1.16	1.24
2	6J	8	VAL	C-O	-6.85	1.16	1.24
2	6R	8	VAL	C-O	-6.85	1.16	1.24
2	7N	8	VAL	C-O	-6.85	1.16	1.24
2	1N	22	GLN	C-N	6.84	1.47	1.33
2	2J	22	GLN	C-N	6.84	1.47	1.33
2	3B	22	GLN	C-N	6.84	1.47	1.33
2	3J	22	GLN	C-N	6.84	1.47	1.33
2	33	22	GLN	C-N	6.84	1.47	1.33
2	4F	22	GLN	C-N	6.84	1.47	1.33
2	4Z	22	GLN	C-N	6.84	1.47	1.33
2	5V	22	GLN	C-N	6.84	1.47	1.33
2	6N	22	GLN	C-N	6.84	1.47	1.33
2	6V	22	GLN	C-N	6.84	1.47	1.33
2	7F	22	GLN	C-N	6.84	1.47	1.33
2	7R	22	GLN	C-N	6.84	1.47	1.33
1	1E	12	MET	CB-CG	6.84	1.73	1.52
2	1F	8	VAL	C-O	-6.84	1.16	1.24
1	2M	12	MET	CB-CG	6.84	1.73	1.52
2	2N	8	VAL	C-O	-6.84	1.16	1.24
1	22	12	MET	CB-CG	6.84	1.73	1.52
2	23	8	VAL	C-O	-6.84	1.16	1.24
1	3M	12	MET	CB-CG	6.84	1.73	1.52
2	3N	8	VAL	C-O	-6.84	1.16	1.24
1	36	12	MET	CB-CG	6.84	1.73	1.52
2	37	8	VAL	C-O	-6.84	1.16	1.24
1	4I	12	MET	CB-CG	6.84	1.73	1.52
2	4J	8	VAL	C-O	-6.84	1.16	1.24
1	4Q	12	MET	CB-CG	6.84	1.73	1.52
2	4R	8	VAL	C-O	-6.84	1.16	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Y	12	MET	CB-CG	6.84	1.73	1.52
2	5Z	8	VAL	C-O	-6.84	1.16	1.24
1	6E	12	MET	CB-CG	6.84	1.73	1.52
2	6F	8	VAL	C-O	-6.84	1.16	1.24
1	6Y	12	MET	CB-CG	6.84	1.73	1.52
2	6Z	8	VAL	C-O	-6.84	1.16	1.24
1	7I	12	MET	CB-CG	6.84	1.73	1.52
2	7J	8	VAL	C-O	-6.84	1.16	1.24
1	7U	12	MET	CB-CG	6.84	1.73	1.52
2	7V	8	VAL	C-O	-6.84	1.16	1.24
2	1F	223	ASP	CA-CB	-6.84	1.42	1.53
2	2N	223	ASP	CA-CB	-6.84	1.42	1.53
2	23	223	ASP	CA-CB	-6.84	1.42	1.53
2	3N	223	ASP	CA-CB	-6.84	1.42	1.53
2	37	223	ASP	CA-CB	-6.84	1.42	1.53
2	4J	223	ASP	CA-CB	-6.84	1.42	1.53
2	4R	223	ASP	CA-CB	-6.84	1.42	1.53
2	5Z	223	ASP	CA-CB	-6.84	1.42	1.53
2	6F	223	ASP	CA-CB	-6.84	1.42	1.53
2	6Z	223	ASP	CA-CB	-6.84	1.42	1.53
2	7J	223	ASP	CA-CB	-6.84	1.42	1.53
2	7V	223	ASP	CA-CB	-6.84	1.42	1.53
1	12	35	THR	N-CA	-6.84	1.36	1.45
1	16	35	THR	N-CA	-6.84	1.36	1.45
1	2A	35	THR	N-CA	-6.84	1.36	1.45
1	3Q	35	THR	N-CA	-6.84	1.36	1.45
1	3U	35	THR	N-CA	-6.84	1.36	1.45
1	3Y	35	THR	N-CA	-6.84	1.36	1.45
1	5E	35	THR	N-CA	-6.84	1.36	1.45
1	5I	35	THR	N-CA	-6.84	1.36	1.45
1	5M	35	THR	N-CA	-6.84	1.36	1.45
1	62	35	THR	N-CA	-6.84	1.36	1.45
1	66	35	THR	N-CA	-6.84	1.36	1.45
1	7A	35	THR	N-CA	-6.84	1.36	1.45
1	12	12	MET	CB-CG	6.83	1.73	1.52
1	16	12	MET	CB-CG	6.83	1.73	1.52
1	2A	12	MET	CB-CG	6.83	1.73	1.52
1	3Q	12	MET	CB-CG	6.83	1.73	1.52
1	3U	12	MET	CB-CG	6.83	1.73	1.52
1	3Y	12	MET	CB-CG	6.83	1.73	1.52
1	5E	12	MET	CB-CG	6.83	1.73	1.52
1	5I	12	MET	CB-CG	6.83	1.73	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	12	MET	CB-CG	6.83	1.73	1.52
1	62	12	MET	CB-CG	6.83	1.73	1.52
1	66	12	MET	CB-CG	6.83	1.73	1.52
1	7A	12	MET	CB-CG	6.83	1.73	1.52
2	1N	8	VAL	C-O	-6.83	1.16	1.24
2	2J	8	VAL	C-O	-6.83	1.16	1.24
2	3B	8	VAL	C-O	-6.83	1.16	1.24
2	3J	8	VAL	C-O	-6.83	1.16	1.24
2	33	8	VAL	C-O	-6.83	1.16	1.24
2	4F	8	VAL	C-O	-6.83	1.16	1.24
2	4Z	8	VAL	C-O	-6.83	1.16	1.24
2	5V	8	VAL	C-O	-6.83	1.16	1.24
2	6N	8	VAL	C-O	-6.83	1.16	1.24
2	6V	8	VAL	C-O	-6.83	1.16	1.24
2	7F	8	VAL	C-O	-6.83	1.16	1.24
2	7R	8	VAL	C-O	-6.83	1.16	1.24
1	1A	12	MET	CB-CG	6.83	1.73	1.52
1	1I	12	MET	CB-CG	6.83	1.73	1.52
1	2E	12	MET	CB-CG	6.83	1.73	1.52
1	26	12	MET	CB-CG	6.83	1.73	1.52
1	3E	12	MET	CB-CG	6.83	1.73	1.52
1	4A	12	MET	CB-CG	6.83	1.73	1.52
1	4M	12	MET	CB-CG	6.83	1.73	1.52
1	4U	12	MET	CB-CG	6.83	1.73	1.52
1	5Q	12	MET	CB-CG	6.83	1.73	1.52
1	6I	12	MET	CB-CG	6.83	1.73	1.52
1	6Q	12	MET	CB-CG	6.83	1.73	1.52
1	7M	12	MET	CB-CG	6.83	1.73	1.52
1	1Q	12	MET	CB-CG	6.82	1.73	1.52
1	1U	12	MET	CB-CG	6.82	1.73	1.52
1	1Y	12	MET	CB-CG	6.82	1.73	1.52
1	2Q	12	MET	CB-CG	6.82	1.73	1.52
1	2U	12	MET	CB-CG	6.82	1.73	1.52
1	2Y	12	MET	CB-CG	6.82	1.73	1.52
1	42	12	MET	CB-CG	6.82	1.73	1.52
1	46	12	MET	CB-CG	6.82	1.73	1.52
1	5A	12	MET	CB-CG	6.82	1.73	1.52
1	52	12	MET	CB-CG	6.82	1.73	1.52
1	56	12	MET	CB-CG	6.82	1.73	1.52
1	6A	12	MET	CB-CG	6.82	1.73	1.52
1	1M	12	MET	CB-CG	6.82	1.72	1.52
1	2I	12	MET	CB-CG	6.82	1.72	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	12	MET	CB-CG	6.82	1.72	1.52
1	3I	12	MET	CB-CG	6.82	1.72	1.52
1	32	12	MET	CB-CG	6.82	1.72	1.52
1	4E	12	MET	CB-CG	6.82	1.72	1.52
1	4Y	12	MET	CB-CG	6.82	1.72	1.52
1	5U	12	MET	CB-CG	6.82	1.72	1.52
1	6M	12	MET	CB-CG	6.82	1.72	1.52
1	6U	12	MET	CB-CG	6.82	1.72	1.52
1	7E	12	MET	CB-CG	6.82	1.72	1.52
1	7Q	12	MET	CB-CG	6.82	1.72	1.52
2	1N	223	ASP	CA-CB	-6.81	1.42	1.53
2	2J	223	ASP	CA-CB	-6.81	1.42	1.53
2	3B	223	ASP	CA-CB	-6.81	1.42	1.53
2	3J	223	ASP	CA-CB	-6.81	1.42	1.53
2	33	223	ASP	CA-CB	-6.81	1.42	1.53
2	4F	223	ASP	CA-CB	-6.81	1.42	1.53
2	4Z	223	ASP	CA-CB	-6.81	1.42	1.53
2	5V	223	ASP	CA-CB	-6.81	1.42	1.53
2	6N	223	ASP	CA-CB	-6.81	1.42	1.53
2	6V	223	ASP	CA-CB	-6.81	1.42	1.53
2	7F	223	ASP	CA-CB	-6.81	1.42	1.53
2	7R	223	ASP	CA-CB	-6.81	1.42	1.53
2	1N	77	THR	CB-CG2	6.81	1.75	1.52
2	2J	77	THR	CB-CG2	6.81	1.75	1.52
2	3B	77	THR	CB-CG2	6.81	1.75	1.52
2	3J	77	THR	CB-CG2	6.81	1.75	1.52
2	33	77	THR	CB-CG2	6.81	1.75	1.52
2	4F	77	THR	CB-CG2	6.81	1.75	1.52
2	4Z	77	THR	CB-CG2	6.81	1.75	1.52
2	5V	77	THR	CB-CG2	6.81	1.75	1.52
2	6N	77	THR	CB-CG2	6.81	1.75	1.52
2	6V	77	THR	CB-CG2	6.81	1.75	1.52
2	7F	77	THR	CB-CG2	6.81	1.75	1.52
2	7R	77	THR	CB-CG2	6.81	1.75	1.52
2	1R	223	ASP	CA-CB	-6.80	1.42	1.53
2	1V	223	ASP	CA-CB	-6.80	1.42	1.53
2	1Z	223	ASP	CA-CB	-6.80	1.42	1.53
2	2R	223	ASP	CA-CB	-6.80	1.42	1.53
2	2V	223	ASP	CA-CB	-6.80	1.42	1.53
2	2Z	223	ASP	CA-CB	-6.80	1.42	1.53
2	43	223	ASP	CA-CB	-6.80	1.42	1.53
2	47	223	ASP	CA-CB	-6.80	1.42	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	223	ASP	CA-CB	-6.80	1.42	1.53
2	53	223	ASP	CA-CB	-6.80	1.42	1.53
2	57	223	ASP	CA-CB	-6.80	1.42	1.53
2	6B	223	ASP	CA-CB	-6.80	1.42	1.53
2	1R	77	THR	CB-CG2	6.80	1.75	1.52
2	1V	77	THR	CB-CG2	6.80	1.75	1.52
2	1Z	77	THR	CB-CG2	6.80	1.75	1.52
2	13	223	ASP	CA-CB	-6.80	1.42	1.53
2	17	223	ASP	CA-CB	-6.80	1.42	1.53
2	2B	223	ASP	CA-CB	-6.80	1.42	1.53
2	2R	77	THR	CB-CG2	6.80	1.75	1.52
2	2V	77	THR	CB-CG2	6.80	1.75	1.52
2	2Z	77	THR	CB-CG2	6.80	1.75	1.52
2	3R	223	ASP	CA-CB	-6.80	1.42	1.53
2	3V	223	ASP	CA-CB	-6.80	1.42	1.53
2	3Z	223	ASP	CA-CB	-6.80	1.42	1.53
2	43	77	THR	CB-CG2	6.80	1.75	1.52
2	47	77	THR	CB-CG2	6.80	1.75	1.52
2	5B	77	THR	CB-CG2	6.80	1.75	1.52
2	5F	223	ASP	CA-CB	-6.80	1.42	1.53
2	5J	223	ASP	CA-CB	-6.80	1.42	1.53
2	5N	223	ASP	CA-CB	-6.80	1.42	1.53
2	53	77	THR	CB-CG2	6.80	1.75	1.52
2	57	77	THR	CB-CG2	6.80	1.75	1.52
2	6B	77	THR	CB-CG2	6.80	1.75	1.52
2	63	223	ASP	CA-CB	-6.80	1.42	1.53
2	67	223	ASP	CA-CB	-6.80	1.42	1.53
2	7B	223	ASP	CA-CB	-6.80	1.42	1.53
2	1F	77	THR	CB-CG2	6.80	1.75	1.52
2	2N	77	THR	CB-CG2	6.80	1.75	1.52
2	23	77	THR	CB-CG2	6.80	1.75	1.52
2	3N	77	THR	CB-CG2	6.80	1.75	1.52
2	37	77	THR	CB-CG2	6.80	1.75	1.52
2	4J	77	THR	CB-CG2	6.80	1.75	1.52
2	4R	77	THR	CB-CG2	6.80	1.75	1.52
2	5Z	77	THR	CB-CG2	6.80	1.75	1.52
2	6F	77	THR	CB-CG2	6.80	1.75	1.52
2	6Z	77	THR	CB-CG2	6.80	1.75	1.52
2	7J	77	THR	CB-CG2	6.80	1.75	1.52
2	7V	77	THR	CB-CG2	6.80	1.75	1.52
2	1B	223	ASP	CA-CB	-6.80	1.42	1.53
1	1E	79	THR	CA-C	-6.80	1.44	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1J	223	ASP	CA-CB	-6.80	1.42	1.53
2	2F	223	ASP	CA-CB	-6.80	1.42	1.53
1	2M	79	THR	CA-C	-6.80	1.44	1.52
1	22	79	THR	CA-C	-6.80	1.44	1.52
2	27	223	ASP	CA-CB	-6.80	1.42	1.53
2	3F	223	ASP	CA-CB	-6.80	1.42	1.53
1	3M	79	THR	CA-C	-6.80	1.44	1.52
1	36	79	THR	CA-C	-6.80	1.44	1.52
2	4B	223	ASP	CA-CB	-6.80	1.42	1.53
1	4I	79	THR	CA-C	-6.80	1.44	1.52
2	4N	223	ASP	CA-CB	-6.80	1.42	1.53
1	4Q	79	THR	CA-C	-6.80	1.44	1.52
2	4V	223	ASP	CA-CB	-6.80	1.42	1.53
2	5R	223	ASP	CA-CB	-6.80	1.42	1.53
1	5Y	79	THR	CA-C	-6.80	1.44	1.52
1	6E	79	THR	CA-C	-6.80	1.44	1.52
2	6J	223	ASP	CA-CB	-6.80	1.42	1.53
2	6R	223	ASP	CA-CB	-6.80	1.42	1.53
1	6Y	79	THR	CA-C	-6.80	1.44	1.52
1	7I	79	THR	CA-C	-6.80	1.44	1.52
2	7N	223	ASP	CA-CB	-6.80	1.42	1.53
1	7U	79	THR	CA-C	-6.80	1.44	1.52
1	1M	79	THR	CA-C	-6.80	1.44	1.52
1	2I	79	THR	CA-C	-6.80	1.44	1.52
1	3A	79	THR	CA-C	-6.80	1.44	1.52
1	3I	79	THR	CA-C	-6.80	1.44	1.52
1	32	79	THR	CA-C	-6.80	1.44	1.52
1	4E	79	THR	CA-C	-6.80	1.44	1.52
1	4Y	79	THR	CA-C	-6.80	1.44	1.52
1	5U	79	THR	CA-C	-6.80	1.44	1.52
1	6M	79	THR	CA-C	-6.80	1.44	1.52
1	6U	79	THR	CA-C	-6.80	1.44	1.52
1	7E	79	THR	CA-C	-6.80	1.44	1.52
1	7Q	79	THR	CA-C	-6.80	1.44	1.52
1	1Q	23	GLY	CA-C	-6.79	1.42	1.51
1	1U	23	GLY	CA-C	-6.79	1.42	1.51
1	1Y	23	GLY	CA-C	-6.79	1.42	1.51
1	2Q	23	GLY	CA-C	-6.79	1.42	1.51
1	2U	23	GLY	CA-C	-6.79	1.42	1.51
1	2Y	23	GLY	CA-C	-6.79	1.42	1.51
1	42	23	GLY	CA-C	-6.79	1.42	1.51
1	46	23	GLY	CA-C	-6.79	1.42	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	23	GLY	CA-C	-6.79	1.42	1.51
1	52	23	GLY	CA-C	-6.79	1.42	1.51
1	56	23	GLY	CA-C	-6.79	1.42	1.51
1	6A	23	GLY	CA-C	-6.79	1.42	1.51
2	1B	77	THR	CB-CG2	6.79	1.75	1.52
2	1J	77	THR	CB-CG2	6.79	1.75	1.52
2	2F	77	THR	CB-CG2	6.79	1.75	1.52
2	27	77	THR	CB-CG2	6.79	1.75	1.52
2	3F	77	THR	CB-CG2	6.79	1.75	1.52
2	4B	77	THR	CB-CG2	6.79	1.75	1.52
2	4N	77	THR	CB-CG2	6.79	1.75	1.52
2	4V	77	THR	CB-CG2	6.79	1.75	1.52
2	5R	77	THR	CB-CG2	6.79	1.75	1.52
2	6J	77	THR	CB-CG2	6.79	1.75	1.52
2	6R	77	THR	CB-CG2	6.79	1.75	1.52
2	7N	77	THR	CB-CG2	6.79	1.75	1.52
2	13	77	THR	CB-CG2	6.79	1.75	1.52
2	17	77	THR	CB-CG2	6.79	1.75	1.52
2	2B	77	THR	CB-CG2	6.79	1.75	1.52
2	3R	77	THR	CB-CG2	6.79	1.75	1.52
2	3V	77	THR	CB-CG2	6.79	1.75	1.52
2	3Z	77	THR	CB-CG2	6.79	1.75	1.52
2	5F	77	THR	CB-CG2	6.79	1.75	1.52
2	5J	77	THR	CB-CG2	6.79	1.75	1.52
2	5N	77	THR	CB-CG2	6.79	1.75	1.52
2	63	77	THR	CB-CG2	6.79	1.75	1.52
2	67	77	THR	CB-CG2	6.79	1.75	1.52
2	7B	77	THR	CB-CG2	6.79	1.75	1.52
1	1E	96	ASP	CA-C	-6.79	1.44	1.53
1	12	96	ASP	CA-C	-6.79	1.44	1.53
1	16	96	ASP	CA-C	-6.79	1.44	1.53
1	2A	96	ASP	CA-C	-6.79	1.44	1.53
1	2M	96	ASP	CA-C	-6.79	1.44	1.53
1	22	96	ASP	CA-C	-6.79	1.44	1.53
1	3M	96	ASP	CA-C	-6.79	1.44	1.53
1	3Q	96	ASP	CA-C	-6.79	1.44	1.53
1	3U	96	ASP	CA-C	-6.79	1.44	1.53
1	3Y	96	ASP	CA-C	-6.79	1.44	1.53
1	36	96	ASP	CA-C	-6.79	1.44	1.53
1	4I	96	ASP	CA-C	-6.79	1.44	1.53
1	4Q	96	ASP	CA-C	-6.79	1.44	1.53
1	5E	96	ASP	CA-C	-6.79	1.44	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5I	96	ASP	CA-C	-6.79	1.44	1.53
1	5M	96	ASP	CA-C	-6.79	1.44	1.53
1	5Y	96	ASP	CA-C	-6.79	1.44	1.53
1	6E	96	ASP	CA-C	-6.79	1.44	1.53
1	6Y	96	ASP	CA-C	-6.79	1.44	1.53
1	62	96	ASP	CA-C	-6.79	1.44	1.53
1	66	96	ASP	CA-C	-6.79	1.44	1.53
1	7A	96	ASP	CA-C	-6.79	1.44	1.53
1	7I	96	ASP	CA-C	-6.79	1.44	1.53
1	7U	96	ASP	CA-C	-6.79	1.44	1.53
2	13	9	VAL	CA-C	-6.79	1.44	1.52
2	17	9	VAL	CA-C	-6.79	1.44	1.52
2	2B	9	VAL	CA-C	-6.79	1.44	1.52
2	3R	9	VAL	CA-C	-6.79	1.44	1.52
2	3V	9	VAL	CA-C	-6.79	1.44	1.52
2	3Z	9	VAL	CA-C	-6.79	1.44	1.52
2	5F	9	VAL	CA-C	-6.79	1.44	1.52
2	5J	9	VAL	CA-C	-6.79	1.44	1.52
2	5N	9	VAL	CA-C	-6.79	1.44	1.52
2	63	9	VAL	CA-C	-6.79	1.44	1.52
2	67	9	VAL	CA-C	-6.79	1.44	1.52
2	7B	9	VAL	CA-C	-6.79	1.44	1.52
1	1E	23	GLY	CA-C	-6.78	1.42	1.51
1	2M	23	GLY	CA-C	-6.78	1.42	1.51
1	22	23	GLY	CA-C	-6.78	1.42	1.51
1	3M	23	GLY	CA-C	-6.78	1.42	1.51
1	36	23	GLY	CA-C	-6.78	1.42	1.51
1	4I	23	GLY	CA-C	-6.78	1.42	1.51
1	4Q	23	GLY	CA-C	-6.78	1.42	1.51
1	5Y	23	GLY	CA-C	-6.78	1.42	1.51
1	6E	23	GLY	CA-C	-6.78	1.42	1.51
1	6Y	23	GLY	CA-C	-6.78	1.42	1.51
1	7I	23	GLY	CA-C	-6.78	1.42	1.51
1	7U	23	GLY	CA-C	-6.78	1.42	1.51
1	1M	96	ASP	CA-C	-6.77	1.44	1.53
1	2I	96	ASP	CA-C	-6.77	1.44	1.53
1	3A	96	ASP	CA-C	-6.77	1.44	1.53
1	3I	96	ASP	CA-C	-6.77	1.44	1.53
1	32	96	ASP	CA-C	-6.77	1.44	1.53
1	4E	96	ASP	CA-C	-6.77	1.44	1.53
1	4Y	96	ASP	CA-C	-6.77	1.44	1.53
1	5U	96	ASP	CA-C	-6.77	1.44	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	96	ASP	CA-C	-6.77	1.44	1.53
1	6U	96	ASP	CA-C	-6.77	1.44	1.53
1	7E	96	ASP	CA-C	-6.77	1.44	1.53
1	7Q	96	ASP	CA-C	-6.77	1.44	1.53
2	1N	9	VAL	CA-C	-6.76	1.44	1.52
1	12	23	GLY	CA-C	-6.76	1.42	1.51
1	16	23	GLY	CA-C	-6.76	1.42	1.51
1	2A	23	GLY	CA-C	-6.76	1.42	1.51
2	2J	9	VAL	CA-C	-6.76	1.44	1.52
2	3B	9	VAL	CA-C	-6.76	1.44	1.52
2	3J	9	VAL	CA-C	-6.76	1.44	1.52
1	3Q	23	GLY	CA-C	-6.76	1.42	1.51
1	3U	23	GLY	CA-C	-6.76	1.42	1.51
1	3Y	23	GLY	CA-C	-6.76	1.42	1.51
2	33	9	VAL	CA-C	-6.76	1.44	1.52
2	4F	9	VAL	CA-C	-6.76	1.44	1.52
2	4Z	9	VAL	CA-C	-6.76	1.44	1.52
1	5E	23	GLY	CA-C	-6.76	1.42	1.51
1	5I	23	GLY	CA-C	-6.76	1.42	1.51
1	5M	23	GLY	CA-C	-6.76	1.42	1.51
2	5V	9	VAL	CA-C	-6.76	1.44	1.52
2	6N	9	VAL	CA-C	-6.76	1.44	1.52
2	6V	9	VAL	CA-C	-6.76	1.44	1.52
1	62	23	GLY	CA-C	-6.76	1.42	1.51
1	66	23	GLY	CA-C	-6.76	1.42	1.51
1	7A	23	GLY	CA-C	-6.76	1.42	1.51
2	7F	9	VAL	CA-C	-6.76	1.44	1.52
2	7R	9	VAL	CA-C	-6.76	1.44	1.52
1	1Q	96	ASP	CA-C	-6.76	1.44	1.53
1	1U	96	ASP	CA-C	-6.76	1.44	1.53
1	1Y	96	ASP	CA-C	-6.76	1.44	1.53
1	2Q	96	ASP	CA-C	-6.76	1.44	1.53
1	2U	96	ASP	CA-C	-6.76	1.44	1.53
1	2Y	96	ASP	CA-C	-6.76	1.44	1.53
1	42	96	ASP	CA-C	-6.76	1.44	1.53
1	46	96	ASP	CA-C	-6.76	1.44	1.53
1	5A	96	ASP	CA-C	-6.76	1.44	1.53
1	52	96	ASP	CA-C	-6.76	1.44	1.53
1	56	96	ASP	CA-C	-6.76	1.44	1.53
1	6A	96	ASP	CA-C	-6.76	1.44	1.53
1	1M	23	GLY	CA-C	-6.76	1.42	1.51
1	2I	23	GLY	CA-C	-6.76	1.42	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	23	GLY	CA-C	-6.76	1.42	1.51
1	3I	23	GLY	CA-C	-6.76	1.42	1.51
1	32	23	GLY	CA-C	-6.76	1.42	1.51
1	4E	23	GLY	CA-C	-6.76	1.42	1.51
1	4Y	23	GLY	CA-C	-6.76	1.42	1.51
1	5U	23	GLY	CA-C	-6.76	1.42	1.51
1	6M	23	GLY	CA-C	-6.76	1.42	1.51
1	6U	23	GLY	CA-C	-6.76	1.42	1.51
1	7E	23	GLY	CA-C	-6.76	1.42	1.51
1	7Q	23	GLY	CA-C	-6.76	1.42	1.51
1	1A	96	ASP	CA-C	-6.75	1.44	1.53
1	1I	96	ASP	CA-C	-6.75	1.44	1.53
1	2E	96	ASP	CA-C	-6.75	1.44	1.53
1	26	96	ASP	CA-C	-6.75	1.44	1.53
1	3E	96	ASP	CA-C	-6.75	1.44	1.53
1	4A	96	ASP	CA-C	-6.75	1.44	1.53
1	4M	96	ASP	CA-C	-6.75	1.44	1.53
1	4U	96	ASP	CA-C	-6.75	1.44	1.53
1	5Q	96	ASP	CA-C	-6.75	1.44	1.53
1	6I	96	ASP	CA-C	-6.75	1.44	1.53
1	6Q	96	ASP	CA-C	-6.75	1.44	1.53
1	7M	96	ASP	CA-C	-6.75	1.44	1.53
2	1B	9	VAL	CA-C	-6.75	1.44	1.52
2	1J	9	VAL	CA-C	-6.75	1.44	1.52
2	2F	9	VAL	CA-C	-6.75	1.44	1.52
2	27	9	VAL	CA-C	-6.75	1.44	1.52
2	3F	9	VAL	CA-C	-6.75	1.44	1.52
2	4B	9	VAL	CA-C	-6.75	1.44	1.52
2	4N	9	VAL	CA-C	-6.75	1.44	1.52
2	4V	9	VAL	CA-C	-6.75	1.44	1.52
2	5R	9	VAL	CA-C	-6.75	1.44	1.52
2	6J	9	VAL	CA-C	-6.75	1.44	1.52
2	6R	9	VAL	CA-C	-6.75	1.44	1.52
2	7N	9	VAL	CA-C	-6.75	1.44	1.52
2	13	53	LYS	CD-CE	6.75	1.72	1.52
2	17	53	LYS	CD-CE	6.75	1.72	1.52
2	2B	53	LYS	CD-CE	6.75	1.72	1.52
2	3R	53	LYS	CD-CE	6.75	1.72	1.52
2	3V	53	LYS	CD-CE	6.75	1.72	1.52
2	3Z	53	LYS	CD-CE	6.75	1.72	1.52
2	5F	53	LYS	CD-CE	6.75	1.72	1.52
2	5J	53	LYS	CD-CE	6.75	1.72	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	53	LYS	CD-CE	6.75	1.72	1.52
2	63	53	LYS	CD-CE	6.75	1.72	1.52
2	67	53	LYS	CD-CE	6.75	1.72	1.52
2	7B	53	LYS	CD-CE	6.75	1.72	1.52
2	1R	53	LYS	CD-CE	6.75	1.72	1.52
2	1V	53	LYS	CD-CE	6.75	1.72	1.52
2	1Z	53	LYS	CD-CE	6.75	1.72	1.52
2	2R	53	LYS	CD-CE	6.75	1.72	1.52
2	2V	53	LYS	CD-CE	6.75	1.72	1.52
2	2Z	53	LYS	CD-CE	6.75	1.72	1.52
2	43	53	LYS	CD-CE	6.75	1.72	1.52
2	47	53	LYS	CD-CE	6.75	1.72	1.52
2	5B	53	LYS	CD-CE	6.75	1.72	1.52
2	53	53	LYS	CD-CE	6.75	1.72	1.52
2	57	53	LYS	CD-CE	6.75	1.72	1.52
2	6B	53	LYS	CD-CE	6.75	1.72	1.52
1	1A	23	GLY	CA-C	-6.74	1.42	1.51
1	1A	79	THR	CA-C	-6.74	1.44	1.52
2	1B	53	LYS	CD-CE	6.74	1.72	1.52
1	1I	23	GLY	CA-C	-6.74	1.42	1.51
1	1I	79	THR	CA-C	-6.74	1.44	1.52
2	1J	53	LYS	CD-CE	6.74	1.72	1.52
1	2E	23	GLY	CA-C	-6.74	1.42	1.51
1	2E	79	THR	CA-C	-6.74	1.44	1.52
2	2F	53	LYS	CD-CE	6.74	1.72	1.52
1	26	23	GLY	CA-C	-6.74	1.42	1.51
1	26	79	THR	CA-C	-6.74	1.44	1.52
2	27	53	LYS	CD-CE	6.74	1.72	1.52
1	3E	23	GLY	CA-C	-6.74	1.42	1.51
1	3E	79	THR	CA-C	-6.74	1.44	1.52
2	3F	53	LYS	CD-CE	6.74	1.72	1.52
1	4A	23	GLY	CA-C	-6.74	1.42	1.51
1	4A	79	THR	CA-C	-6.74	1.44	1.52
2	4B	53	LYS	CD-CE	6.74	1.72	1.52
1	4M	23	GLY	CA-C	-6.74	1.42	1.51
1	4M	79	THR	CA-C	-6.74	1.44	1.52
2	4N	53	LYS	CD-CE	6.74	1.72	1.52
1	4U	23	GLY	CA-C	-6.74	1.42	1.51
1	4U	79	THR	CA-C	-6.74	1.44	1.52
2	4V	53	LYS	CD-CE	6.74	1.72	1.52
1	5Q	23	GLY	CA-C	-6.74	1.42	1.51
1	5Q	79	THR	CA-C	-6.74	1.44	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	53	LYS	CD-CE	6.74	1.72	1.52
1	6I	23	GLY	CA-C	-6.74	1.42	1.51
1	6I	79	THR	CA-C	-6.74	1.44	1.52
2	6J	53	LYS	CD-CE	6.74	1.72	1.52
1	6Q	23	GLY	CA-C	-6.74	1.42	1.51
1	6Q	79	THR	CA-C	-6.74	1.44	1.52
2	6R	53	LYS	CD-CE	6.74	1.72	1.52
1	7M	23	GLY	CA-C	-6.74	1.42	1.51
1	7M	79	THR	CA-C	-6.74	1.44	1.52
2	7N	53	LYS	CD-CE	6.74	1.72	1.52
2	1R	9	VAL	CA-C	-6.74	1.44	1.52
2	1V	9	VAL	CA-C	-6.74	1.44	1.52
2	1Z	9	VAL	CA-C	-6.74	1.44	1.52
2	2R	9	VAL	CA-C	-6.74	1.44	1.52
2	2V	9	VAL	CA-C	-6.74	1.44	1.52
2	2Z	9	VAL	CA-C	-6.74	1.44	1.52
2	43	9	VAL	CA-C	-6.74	1.44	1.52
2	47	9	VAL	CA-C	-6.74	1.44	1.52
2	5B	9	VAL	CA-C	-6.74	1.44	1.52
2	53	9	VAL	CA-C	-6.74	1.44	1.52
2	57	9	VAL	CA-C	-6.74	1.44	1.52
2	6B	9	VAL	CA-C	-6.74	1.44	1.52
2	1F	53	LYS	CD-CE	6.74	1.72	1.52
2	2N	53	LYS	CD-CE	6.74	1.72	1.52
2	23	53	LYS	CD-CE	6.74	1.72	1.52
2	3N	53	LYS	CD-CE	6.74	1.72	1.52
2	37	53	LYS	CD-CE	6.74	1.72	1.52
2	4J	53	LYS	CD-CE	6.74	1.72	1.52
2	4R	53	LYS	CD-CE	6.74	1.72	1.52
2	5Z	53	LYS	CD-CE	6.74	1.72	1.52
2	6F	53	LYS	CD-CE	6.74	1.72	1.52
2	6Z	53	LYS	CD-CE	6.74	1.72	1.52
2	7J	53	LYS	CD-CE	6.74	1.72	1.52
2	7V	53	LYS	CD-CE	6.74	1.72	1.52
1	1Q	79	THR	CA-C	-6.74	1.44	1.52
1	1U	79	THR	CA-C	-6.74	1.44	1.52
1	1Y	79	THR	CA-C	-6.74	1.44	1.52
1	2Q	79	THR	CA-C	-6.74	1.44	1.52
1	2U	79	THR	CA-C	-6.74	1.44	1.52
1	2Y	79	THR	CA-C	-6.74	1.44	1.52
1	42	79	THR	CA-C	-6.74	1.44	1.52
1	46	79	THR	CA-C	-6.74	1.44	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	79	THR	CA-C	-6.74	1.44	1.52
1	52	79	THR	CA-C	-6.74	1.44	1.52
1	56	79	THR	CA-C	-6.74	1.44	1.52
1	6A	79	THR	CA-C	-6.74	1.44	1.52
2	1F	9	VAL	CA-C	-6.73	1.44	1.52
2	2N	9	VAL	CA-C	-6.73	1.44	1.52
2	23	9	VAL	CA-C	-6.73	1.44	1.52
2	3N	9	VAL	CA-C	-6.73	1.44	1.52
2	37	9	VAL	CA-C	-6.73	1.44	1.52
2	4J	9	VAL	CA-C	-6.73	1.44	1.52
2	4R	9	VAL	CA-C	-6.73	1.44	1.52
2	5Z	9	VAL	CA-C	-6.73	1.44	1.52
2	6F	9	VAL	CA-C	-6.73	1.44	1.52
2	6Z	9	VAL	CA-C	-6.73	1.44	1.52
2	7J	9	VAL	CA-C	-6.73	1.44	1.52
2	7V	9	VAL	CA-C	-6.73	1.44	1.52
2	1N	53	LYS	CD-CE	6.73	1.72	1.52
1	12	79	THR	CA-C	-6.73	1.44	1.52
1	16	79	THR	CA-C	-6.73	1.44	1.52
1	2A	79	THR	CA-C	-6.73	1.44	1.52
2	2J	53	LYS	CD-CE	6.73	1.72	1.52
2	3B	53	LYS	CD-CE	6.73	1.72	1.52
2	3J	53	LYS	CD-CE	6.73	1.72	1.52
1	3Q	79	THR	CA-C	-6.73	1.44	1.52
1	3U	79	THR	CA-C	-6.73	1.44	1.52
1	3Y	79	THR	CA-C	-6.73	1.44	1.52
2	33	53	LYS	CD-CE	6.73	1.72	1.52
2	4F	53	LYS	CD-CE	6.73	1.72	1.52
2	4Z	53	LYS	CD-CE	6.73	1.72	1.52
1	5E	79	THR	CA-C	-6.73	1.44	1.52
1	5I	79	THR	CA-C	-6.73	1.44	1.52
1	5M	79	THR	CA-C	-6.73	1.44	1.52
2	5V	53	LYS	CD-CE	6.73	1.72	1.52
2	6N	53	LYS	CD-CE	6.73	1.72	1.52
2	6V	53	LYS	CD-CE	6.73	1.72	1.52
1	62	79	THR	CA-C	-6.73	1.44	1.52
1	66	79	THR	CA-C	-6.73	1.44	1.52
1	7A	79	THR	CA-C	-6.73	1.44	1.52
2	7F	53	LYS	CD-CE	6.73	1.72	1.52
2	7R	53	LYS	CD-CE	6.73	1.72	1.52
1	1Q	65	PHE	CE1-CZ	6.73	1.58	1.38
1	1U	65	PHE	CE1-CZ	6.73	1.58	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	65	PHE	CE1-CZ	6.73	1.58	1.38
1	2Q	65	PHE	CE1-CZ	6.73	1.58	1.38
1	2U	65	PHE	CE1-CZ	6.73	1.58	1.38
1	2Y	65	PHE	CE1-CZ	6.73	1.58	1.38
1	42	65	PHE	CE1-CZ	6.73	1.58	1.38
1	46	65	PHE	CE1-CZ	6.73	1.58	1.38
1	5A	65	PHE	CE1-CZ	6.73	1.58	1.38
1	52	65	PHE	CE1-CZ	6.73	1.58	1.38
1	56	65	PHE	CE1-CZ	6.73	1.58	1.38
1	6A	65	PHE	CE1-CZ	6.73	1.58	1.38
1	1A	65	PHE	CE1-CZ	6.72	1.58	1.38
1	1I	65	PHE	CE1-CZ	6.72	1.58	1.38
1	1M	65	PHE	CE1-CZ	6.72	1.58	1.38
1	2E	65	PHE	CE1-CZ	6.72	1.58	1.38
1	2I	65	PHE	CE1-CZ	6.72	1.58	1.38
1	26	65	PHE	CE1-CZ	6.72	1.58	1.38
1	3A	65	PHE	CE1-CZ	6.72	1.58	1.38
1	3E	65	PHE	CE1-CZ	6.72	1.58	1.38
1	3I	65	PHE	CE1-CZ	6.72	1.58	1.38
1	32	65	PHE	CE1-CZ	6.72	1.58	1.38
1	4A	65	PHE	CE1-CZ	6.72	1.58	1.38
1	4E	65	PHE	CE1-CZ	6.72	1.58	1.38
1	4M	65	PHE	CE1-CZ	6.72	1.58	1.38
1	4U	65	PHE	CE1-CZ	6.72	1.58	1.38
1	4Y	65	PHE	CE1-CZ	6.72	1.58	1.38
1	5Q	65	PHE	CE1-CZ	6.72	1.58	1.38
1	5U	65	PHE	CE1-CZ	6.72	1.58	1.38
1	6I	65	PHE	CE1-CZ	6.72	1.58	1.38
1	6M	65	PHE	CE1-CZ	6.72	1.58	1.38
1	6Q	65	PHE	CE1-CZ	6.72	1.58	1.38
1	6U	65	PHE	CE1-CZ	6.72	1.58	1.38
1	7E	65	PHE	CE1-CZ	6.72	1.58	1.38
1	7M	65	PHE	CE1-CZ	6.72	1.58	1.38
1	7Q	65	PHE	CE1-CZ	6.72	1.58	1.38
1	1E	65	PHE	CE1-CZ	6.72	1.58	1.38
1	12	65	PHE	CE1-CZ	6.72	1.58	1.38
1	16	65	PHE	CE1-CZ	6.72	1.58	1.38
1	2A	65	PHE	CE1-CZ	6.72	1.58	1.38
1	2M	65	PHE	CE1-CZ	6.72	1.58	1.38
1	22	65	PHE	CE1-CZ	6.72	1.58	1.38
1	3M	65	PHE	CE1-CZ	6.72	1.58	1.38
1	3Q	65	PHE	CE1-CZ	6.72	1.58	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3U	65	PHE	CE1-CZ	6.72	1.58	1.38
1	3Y	65	PHE	CE1-CZ	6.72	1.58	1.38
1	36	65	PHE	CE1-CZ	6.72	1.58	1.38
1	4I	65	PHE	CE1-CZ	6.72	1.58	1.38
1	4Q	65	PHE	CE1-CZ	6.72	1.58	1.38
1	5E	65	PHE	CE1-CZ	6.72	1.58	1.38
1	5I	65	PHE	CE1-CZ	6.72	1.58	1.38
1	5M	65	PHE	CE1-CZ	6.72	1.58	1.38
1	5Y	65	PHE	CE1-CZ	6.72	1.58	1.38
1	6E	65	PHE	CE1-CZ	6.72	1.58	1.38
1	6Y	65	PHE	CE1-CZ	6.72	1.58	1.38
1	62	65	PHE	CE1-CZ	6.72	1.58	1.38
1	66	65	PHE	CE1-CZ	6.72	1.58	1.38
1	7A	65	PHE	CE1-CZ	6.72	1.58	1.38
1	7I	65	PHE	CE1-CZ	6.72	1.58	1.38
1	7U	65	PHE	CE1-CZ	6.72	1.58	1.38
2	13	209	LEU	CA-CB	-6.72	1.42	1.53
2	17	209	LEU	CA-CB	-6.72	1.42	1.53
2	2B	209	LEU	CA-CB	-6.72	1.42	1.53
2	3R	209	LEU	CA-CB	-6.72	1.42	1.53
2	3V	209	LEU	CA-CB	-6.72	1.42	1.53
2	3Z	209	LEU	CA-CB	-6.72	1.42	1.53
2	5F	209	LEU	CA-CB	-6.72	1.42	1.53
2	5J	209	LEU	CA-CB	-6.72	1.42	1.53
2	5N	209	LEU	CA-CB	-6.72	1.42	1.53
2	63	209	LEU	CA-CB	-6.72	1.42	1.53
2	67	209	LEU	CA-CB	-6.72	1.42	1.53
2	7B	209	LEU	CA-CB	-6.72	1.42	1.53
2	1F	209	LEU	CA-CB	-6.70	1.42	1.53
2	2N	209	LEU	CA-CB	-6.70	1.42	1.53
2	23	209	LEU	CA-CB	-6.70	1.42	1.53
2	3N	209	LEU	CA-CB	-6.70	1.42	1.53
2	37	209	LEU	CA-CB	-6.70	1.42	1.53
2	4J	209	LEU	CA-CB	-6.70	1.42	1.53
2	4R	209	LEU	CA-CB	-6.70	1.42	1.53
2	5Z	209	LEU	CA-CB	-6.70	1.42	1.53
2	6F	209	LEU	CA-CB	-6.70	1.42	1.53
2	6Z	209	LEU	CA-CB	-6.70	1.42	1.53
2	7J	209	LEU	CA-CB	-6.70	1.42	1.53
2	7V	209	LEU	CA-CB	-6.70	1.42	1.53
2	1R	73	GLY	N-CA	-6.69	1.36	1.45
2	1V	73	GLY	N-CA	-6.69	1.36	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	73	GLY	N-CA	-6.69	1.36	1.45
2	2R	73	GLY	N-CA	-6.69	1.36	1.45
2	2V	73	GLY	N-CA	-6.69	1.36	1.45
2	2Z	73	GLY	N-CA	-6.69	1.36	1.45
2	43	73	GLY	N-CA	-6.69	1.36	1.45
2	47	73	GLY	N-CA	-6.69	1.36	1.45
2	5B	73	GLY	N-CA	-6.69	1.36	1.45
2	53	73	GLY	N-CA	-6.69	1.36	1.45
2	57	73	GLY	N-CA	-6.69	1.36	1.45
2	6B	73	GLY	N-CA	-6.69	1.36	1.45
2	13	2	GLU	CA-C	-6.69	1.45	1.52
2	17	2	GLU	CA-C	-6.69	1.45	1.52
2	2B	2	GLU	CA-C	-6.69	1.45	1.52
2	3R	2	GLU	CA-C	-6.69	1.45	1.52
2	3V	2	GLU	CA-C	-6.69	1.45	1.52
2	3Z	2	GLU	CA-C	-6.69	1.45	1.52
2	5F	2	GLU	CA-C	-6.69	1.45	1.52
2	5J	2	GLU	CA-C	-6.69	1.45	1.52
2	5N	2	GLU	CA-C	-6.69	1.45	1.52
2	63	2	GLU	CA-C	-6.69	1.45	1.52
2	67	2	GLU	CA-C	-6.69	1.45	1.52
2	7B	2	GLU	CA-C	-6.69	1.45	1.52
2	1B	2	GLU	CA-C	-6.69	1.45	1.52
2	1J	2	GLU	CA-C	-6.69	1.45	1.52
2	2F	2	GLU	CA-C	-6.69	1.45	1.52
2	27	2	GLU	CA-C	-6.69	1.45	1.52
2	3F	2	GLU	CA-C	-6.69	1.45	1.52
2	4B	2	GLU	CA-C	-6.69	1.45	1.52
2	4N	2	GLU	CA-C	-6.69	1.45	1.52
2	4V	2	GLU	CA-C	-6.69	1.45	1.52
2	5R	2	GLU	CA-C	-6.69	1.45	1.52
2	6J	2	GLU	CA-C	-6.69	1.45	1.52
2	6R	2	GLU	CA-C	-6.69	1.45	1.52
2	7N	2	GLU	CA-C	-6.69	1.45	1.52
2	1R	2	GLU	CA-C	-6.68	1.45	1.52
2	1V	2	GLU	CA-C	-6.68	1.45	1.52
2	1Z	2	GLU	CA-C	-6.68	1.45	1.52
2	2R	2	GLU	CA-C	-6.68	1.45	1.52
2	2V	2	GLU	CA-C	-6.68	1.45	1.52
2	2Z	2	GLU	CA-C	-6.68	1.45	1.52
2	43	2	GLU	CA-C	-6.68	1.45	1.52
2	47	2	GLU	CA-C	-6.68	1.45	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	2	GLU	CA-C	-6.68	1.45	1.52
2	53	2	GLU	CA-C	-6.68	1.45	1.52
2	57	2	GLU	CA-C	-6.68	1.45	1.52
2	6B	2	GLU	CA-C	-6.68	1.45	1.52
2	13	5	ASN	C-N	6.68	1.43	1.33
2	17	5	ASN	C-N	6.68	1.43	1.33
2	2B	5	ASN	C-N	6.68	1.43	1.33
2	3R	5	ASN	C-N	6.68	1.43	1.33
2	3V	5	ASN	C-N	6.68	1.43	1.33
2	3Z	5	ASN	C-N	6.68	1.43	1.33
2	5F	5	ASN	C-N	6.68	1.43	1.33
2	5J	5	ASN	C-N	6.68	1.43	1.33
2	5N	5	ASN	C-N	6.68	1.43	1.33
2	63	5	ASN	C-N	6.68	1.43	1.33
2	67	5	ASN	C-N	6.68	1.43	1.33
2	7B	5	ASN	C-N	6.68	1.43	1.33
2	1B	73	GLY	N-CA	-6.67	1.36	1.45
2	1J	73	GLY	N-CA	-6.67	1.36	1.45
2	2F	73	GLY	N-CA	-6.67	1.36	1.45
2	27	73	GLY	N-CA	-6.67	1.36	1.45
2	3F	73	GLY	N-CA	-6.67	1.36	1.45
2	4B	73	GLY	N-CA	-6.67	1.36	1.45
2	4N	73	GLY	N-CA	-6.67	1.36	1.45
2	4V	73	GLY	N-CA	-6.67	1.36	1.45
2	5R	73	GLY	N-CA	-6.67	1.36	1.45
2	6J	73	GLY	N-CA	-6.67	1.36	1.45
2	6R	73	GLY	N-CA	-6.67	1.36	1.45
2	7N	73	GLY	N-CA	-6.67	1.36	1.45
2	1F	73	GLY	N-CA	-6.67	1.36	1.45
2	2N	73	GLY	N-CA	-6.67	1.36	1.45
2	23	73	GLY	N-CA	-6.67	1.36	1.45
2	3N	73	GLY	N-CA	-6.67	1.36	1.45
2	37	73	GLY	N-CA	-6.67	1.36	1.45
2	4J	73	GLY	N-CA	-6.67	1.36	1.45
2	4R	73	GLY	N-CA	-6.67	1.36	1.45
2	5Z	73	GLY	N-CA	-6.67	1.36	1.45
2	6F	73	GLY	N-CA	-6.67	1.36	1.45
2	6Z	73	GLY	N-CA	-6.67	1.36	1.45
2	7J	73	GLY	N-CA	-6.67	1.36	1.45
2	7V	73	GLY	N-CA	-6.67	1.36	1.45
2	1F	69	SER	C-N	6.67	1.42	1.33
2	2N	69	SER	C-N	6.67	1.42	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	69	SER	C-N	6.67	1.42	1.33
2	3N	69	SER	C-N	6.67	1.42	1.33
2	37	69	SER	C-N	6.67	1.42	1.33
2	4J	69	SER	C-N	6.67	1.42	1.33
2	4R	69	SER	C-N	6.67	1.42	1.33
2	5Z	69	SER	C-N	6.67	1.42	1.33
2	6F	69	SER	C-N	6.67	1.42	1.33
2	6Z	69	SER	C-N	6.67	1.42	1.33
2	7J	69	SER	C-N	6.67	1.42	1.33
2	7V	69	SER	C-N	6.67	1.42	1.33
2	1B	209	LEU	CA-CB	-6.67	1.42	1.53
2	1J	209	LEU	CA-CB	-6.67	1.42	1.53
2	1R	69	SER	C-N	6.67	1.42	1.33
2	1V	69	SER	C-N	6.67	1.42	1.33
2	1Z	69	SER	C-N	6.67	1.42	1.33
2	13	73	GLY	N-CA	-6.67	1.36	1.45
2	17	73	GLY	N-CA	-6.67	1.36	1.45
2	2B	73	GLY	N-CA	-6.67	1.36	1.45
2	2F	209	LEU	CA-CB	-6.67	1.42	1.53
2	2R	69	SER	C-N	6.67	1.42	1.33
2	2V	69	SER	C-N	6.67	1.42	1.33
2	2Z	69	SER	C-N	6.67	1.42	1.33
2	27	209	LEU	CA-CB	-6.67	1.42	1.53
2	3F	209	LEU	CA-CB	-6.67	1.42	1.53
2	3R	73	GLY	N-CA	-6.67	1.36	1.45
2	3V	73	GLY	N-CA	-6.67	1.36	1.45
2	3Z	73	GLY	N-CA	-6.67	1.36	1.45
2	4B	209	LEU	CA-CB	-6.67	1.42	1.53
2	4N	209	LEU	CA-CB	-6.67	1.42	1.53
2	4V	209	LEU	CA-CB	-6.67	1.42	1.53
2	43	69	SER	C-N	6.67	1.42	1.33
2	47	69	SER	C-N	6.67	1.42	1.33
2	5B	69	SER	C-N	6.67	1.42	1.33
2	5F	73	GLY	N-CA	-6.67	1.36	1.45
2	5J	73	GLY	N-CA	-6.67	1.36	1.45
2	5N	73	GLY	N-CA	-6.67	1.36	1.45
2	5R	209	LEU	CA-CB	-6.67	1.42	1.53
2	53	69	SER	C-N	6.67	1.42	1.33
2	57	69	SER	C-N	6.67	1.42	1.33
2	6B	69	SER	C-N	6.67	1.42	1.33
2	6J	209	LEU	CA-CB	-6.67	1.42	1.53
2	6R	209	LEU	CA-CB	-6.67	1.42	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	63	73	GLY	N-CA	-6.67	1.36	1.45
2	67	73	GLY	N-CA	-6.67	1.36	1.45
2	7B	73	GLY	N-CA	-6.67	1.36	1.45
2	7N	209	LEU	CA-CB	-6.67	1.42	1.53
2	1B	5	ASN	C-N	6.66	1.43	1.33
2	1F	5	ASN	C-N	6.66	1.43	1.33
2	1J	5	ASN	C-N	6.66	1.43	1.33
2	1N	2	GLU	CA-C	-6.66	1.45	1.52
2	2F	5	ASN	C-N	6.66	1.43	1.33
2	2J	2	GLU	CA-C	-6.66	1.45	1.52
2	2N	5	ASN	C-N	6.66	1.43	1.33
2	23	5	ASN	C-N	6.66	1.43	1.33
2	27	5	ASN	C-N	6.66	1.43	1.33
2	3B	2	GLU	CA-C	-6.66	1.45	1.52
2	3F	5	ASN	C-N	6.66	1.43	1.33
2	3J	2	GLU	CA-C	-6.66	1.45	1.52
2	3N	5	ASN	C-N	6.66	1.43	1.33
2	33	2	GLU	CA-C	-6.66	1.45	1.52
2	37	5	ASN	C-N	6.66	1.43	1.33
2	4B	5	ASN	C-N	6.66	1.43	1.33
2	4F	2	GLU	CA-C	-6.66	1.45	1.52
2	4J	5	ASN	C-N	6.66	1.43	1.33
2	4N	5	ASN	C-N	6.66	1.43	1.33
2	4R	5	ASN	C-N	6.66	1.43	1.33
2	4V	5	ASN	C-N	6.66	1.43	1.33
2	4Z	2	GLU	CA-C	-6.66	1.45	1.52
2	5R	5	ASN	C-N	6.66	1.43	1.33
2	5V	2	GLU	CA-C	-6.66	1.45	1.52
2	5Z	5	ASN	C-N	6.66	1.43	1.33
2	6F	5	ASN	C-N	6.66	1.43	1.33
2	6J	5	ASN	C-N	6.66	1.43	1.33
2	6N	2	GLU	CA-C	-6.66	1.45	1.52
2	6R	5	ASN	C-N	6.66	1.43	1.33
2	6V	2	GLU	CA-C	-6.66	1.45	1.52
2	6Z	5	ASN	C-N	6.66	1.43	1.33
2	7F	2	GLU	CA-C	-6.66	1.45	1.52
2	7J	5	ASN	C-N	6.66	1.43	1.33
2	7N	5	ASN	C-N	6.66	1.43	1.33
2	7R	2	GLU	CA-C	-6.66	1.45	1.52
2	7V	5	ASN	C-N	6.66	1.43	1.33
2	1F	2	GLU	CA-C	-6.66	1.45	1.52
2	1N	73	GLY	N-CA	-6.66	1.36	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2J	73	GLY	N-CA	-6.66	1.36	1.45
2	2N	2	GLU	CA-C	-6.66	1.45	1.52
2	23	2	GLU	CA-C	-6.66	1.45	1.52
2	3B	73	GLY	N-CA	-6.66	1.36	1.45
2	3J	73	GLY	N-CA	-6.66	1.36	1.45
2	3N	2	GLU	CA-C	-6.66	1.45	1.52
2	33	73	GLY	N-CA	-6.66	1.36	1.45
2	37	2	GLU	CA-C	-6.66	1.45	1.52
2	4F	73	GLY	N-CA	-6.66	1.36	1.45
2	4J	2	GLU	CA-C	-6.66	1.45	1.52
2	4R	2	GLU	CA-C	-6.66	1.45	1.52
2	4Z	73	GLY	N-CA	-6.66	1.36	1.45
2	5V	73	GLY	N-CA	-6.66	1.36	1.45
2	5Z	2	GLU	CA-C	-6.66	1.45	1.52
2	6F	2	GLU	CA-C	-6.66	1.45	1.52
2	6N	73	GLY	N-CA	-6.66	1.36	1.45
2	6V	73	GLY	N-CA	-6.66	1.36	1.45
2	6Z	2	GLU	CA-C	-6.66	1.45	1.52
2	7F	73	GLY	N-CA	-6.66	1.36	1.45
2	7J	2	GLU	CA-C	-6.66	1.45	1.52
2	7R	73	GLY	N-CA	-6.66	1.36	1.45
2	7V	2	GLU	CA-C	-6.66	1.45	1.52
2	1B	69	SER	C-N	6.65	1.42	1.33
2	1J	69	SER	C-N	6.65	1.42	1.33
2	2F	69	SER	C-N	6.65	1.42	1.33
2	27	69	SER	C-N	6.65	1.42	1.33
2	3F	69	SER	C-N	6.65	1.42	1.33
2	4B	69	SER	C-N	6.65	1.42	1.33
2	4N	69	SER	C-N	6.65	1.42	1.33
2	4V	69	SER	C-N	6.65	1.42	1.33
2	5R	69	SER	C-N	6.65	1.42	1.33
2	6J	69	SER	C-N	6.65	1.42	1.33
2	6R	69	SER	C-N	6.65	1.42	1.33
2	7N	69	SER	C-N	6.65	1.42	1.33
1	1Q	77	ALA	CA-CB	6.65	1.63	1.53
1	1U	77	ALA	CA-CB	6.65	1.63	1.53
1	1Y	77	ALA	CA-CB	6.65	1.63	1.53
2	13	69	SER	C-N	6.65	1.42	1.33
2	17	69	SER	C-N	6.65	1.42	1.33
2	2B	69	SER	C-N	6.65	1.42	1.33
1	2Q	77	ALA	CA-CB	6.65	1.63	1.53
1	2U	77	ALA	CA-CB	6.65	1.63	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2Y	77	ALA	CA-CB	6.65	1.63	1.53
2	3R	69	SER	C-N	6.65	1.42	1.33
2	3V	69	SER	C-N	6.65	1.42	1.33
2	3Z	69	SER	C-N	6.65	1.42	1.33
1	42	77	ALA	CA-CB	6.65	1.63	1.53
1	46	77	ALA	CA-CB	6.65	1.63	1.53
1	5A	77	ALA	CA-CB	6.65	1.63	1.53
2	5F	69	SER	C-N	6.65	1.42	1.33
2	5J	69	SER	C-N	6.65	1.42	1.33
2	5N	69	SER	C-N	6.65	1.42	1.33
1	52	77	ALA	CA-CB	6.65	1.63	1.53
1	56	77	ALA	CA-CB	6.65	1.63	1.53
1	6A	77	ALA	CA-CB	6.65	1.63	1.53
2	63	69	SER	C-N	6.65	1.42	1.33
2	67	69	SER	C-N	6.65	1.42	1.33
2	7B	69	SER	C-N	6.65	1.42	1.33
1	1E	28	GLY	C-N	6.65	1.43	1.33
1	2M	28	GLY	C-N	6.65	1.43	1.33
1	22	28	GLY	C-N	6.65	1.43	1.33
1	3M	28	GLY	C-N	6.65	1.43	1.33
1	36	28	GLY	C-N	6.65	1.43	1.33
1	4I	28	GLY	C-N	6.65	1.43	1.33
1	4Q	28	GLY	C-N	6.65	1.43	1.33
1	5Y	28	GLY	C-N	6.65	1.43	1.33
1	6E	28	GLY	C-N	6.65	1.43	1.33
1	6Y	28	GLY	C-N	6.65	1.43	1.33
1	7I	28	GLY	C-N	6.65	1.43	1.33
1	7U	28	GLY	C-N	6.65	1.43	1.33
1	1Q	28	GLY	C-N	6.65	1.43	1.33
1	1U	28	GLY	C-N	6.65	1.43	1.33
1	1Y	28	GLY	C-N	6.65	1.43	1.33
1	2Q	28	GLY	C-N	6.65	1.43	1.33
1	2U	28	GLY	C-N	6.65	1.43	1.33
1	2Y	28	GLY	C-N	6.65	1.43	1.33
1	42	28	GLY	C-N	6.65	1.43	1.33
1	46	28	GLY	C-N	6.65	1.43	1.33
1	5A	28	GLY	C-N	6.65	1.43	1.33
1	52	28	GLY	C-N	6.65	1.43	1.33
1	56	28	GLY	C-N	6.65	1.43	1.33
1	6A	28	GLY	C-N	6.65	1.43	1.33
1	1A	66	ARG	CA-CB	6.64	1.70	1.53
1	1I	66	ARG	CA-CB	6.64	1.70	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1M	11	VAL	C-N	-6.64	1.24	1.33
1	1M	66	ARG	CA-CB	6.64	1.70	1.53
1	2E	66	ARG	CA-CB	6.64	1.70	1.53
1	2I	11	VAL	C-N	-6.64	1.24	1.33
1	2I	66	ARG	CA-CB	6.64	1.70	1.53
1	26	66	ARG	CA-CB	6.64	1.70	1.53
1	3A	11	VAL	C-N	-6.64	1.24	1.33
1	3A	66	ARG	CA-CB	6.64	1.70	1.53
1	3E	66	ARG	CA-CB	6.64	1.70	1.53
1	3I	11	VAL	C-N	-6.64	1.24	1.33
1	3I	66	ARG	CA-CB	6.64	1.70	1.53
1	32	11	VAL	C-N	-6.64	1.24	1.33
1	32	66	ARG	CA-CB	6.64	1.70	1.53
1	4A	66	ARG	CA-CB	6.64	1.70	1.53
1	4E	11	VAL	C-N	-6.64	1.24	1.33
1	4E	66	ARG	CA-CB	6.64	1.70	1.53
1	4M	66	ARG	CA-CB	6.64	1.70	1.53
1	4U	66	ARG	CA-CB	6.64	1.70	1.53
1	4Y	11	VAL	C-N	-6.64	1.24	1.33
1	4Y	66	ARG	CA-CB	6.64	1.70	1.53
1	5Q	66	ARG	CA-CB	6.64	1.70	1.53
1	5U	11	VAL	C-N	-6.64	1.24	1.33
1	5U	66	ARG	CA-CB	6.64	1.70	1.53
1	6I	66	ARG	CA-CB	6.64	1.70	1.53
1	6M	11	VAL	C-N	-6.64	1.24	1.33
1	6M	66	ARG	CA-CB	6.64	1.70	1.53
1	6Q	66	ARG	CA-CB	6.64	1.70	1.53
1	6U	11	VAL	C-N	-6.64	1.24	1.33
1	6U	66	ARG	CA-CB	6.64	1.70	1.53
1	7E	11	VAL	C-N	-6.64	1.24	1.33
1	7E	66	ARG	CA-CB	6.64	1.70	1.53
1	7M	66	ARG	CA-CB	6.64	1.70	1.53
1	7Q	11	VAL	C-N	-6.64	1.24	1.33
1	7Q	66	ARG	CA-CB	6.64	1.70	1.53
1	1E	11	VAL	C-N	-6.63	1.24	1.33
1	1M	28	GLY	C-N	6.63	1.43	1.33
1	2I	28	GLY	C-N	6.63	1.43	1.33
1	2M	11	VAL	C-N	-6.63	1.24	1.33
1	22	11	VAL	C-N	-6.63	1.24	1.33
1	3A	28	GLY	C-N	6.63	1.43	1.33
1	3I	28	GLY	C-N	6.63	1.43	1.33
1	3M	11	VAL	C-N	-6.63	1.24	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	32	28	GLY	C-N	6.63	1.43	1.33
1	36	11	VAL	C-N	-6.63	1.24	1.33
1	4E	28	GLY	C-N	6.63	1.43	1.33
1	4I	11	VAL	C-N	-6.63	1.24	1.33
1	4Q	11	VAL	C-N	-6.63	1.24	1.33
1	4Y	28	GLY	C-N	6.63	1.43	1.33
1	5U	28	GLY	C-N	6.63	1.43	1.33
1	5Y	11	VAL	C-N	-6.63	1.24	1.33
1	6E	11	VAL	C-N	-6.63	1.24	1.33
1	6M	28	GLY	C-N	6.63	1.43	1.33
1	6U	28	GLY	C-N	6.63	1.43	1.33
1	6Y	11	VAL	C-N	-6.63	1.24	1.33
1	7E	28	GLY	C-N	6.63	1.43	1.33
1	7I	11	VAL	C-N	-6.63	1.24	1.33
1	7Q	28	GLY	C-N	6.63	1.43	1.33
1	7U	11	VAL	C-N	-6.63	1.24	1.33
2	1R	209	LEU	CA-CB	-6.63	1.42	1.53
2	1V	209	LEU	CA-CB	-6.63	1.42	1.53
2	1Z	209	LEU	CA-CB	-6.63	1.42	1.53
2	2R	209	LEU	CA-CB	-6.63	1.42	1.53
2	2V	209	LEU	CA-CB	-6.63	1.42	1.53
2	2Z	209	LEU	CA-CB	-6.63	1.42	1.53
2	43	209	LEU	CA-CB	-6.63	1.42	1.53
2	47	209	LEU	CA-CB	-6.63	1.42	1.53
2	5B	209	LEU	CA-CB	-6.63	1.42	1.53
2	53	209	LEU	CA-CB	-6.63	1.42	1.53
2	57	209	LEU	CA-CB	-6.63	1.42	1.53
2	6B	209	LEU	CA-CB	-6.63	1.42	1.53
1	1A	28	GLY	C-N	6.63	1.43	1.33
1	1I	28	GLY	C-N	6.63	1.43	1.33
1	2E	28	GLY	C-N	6.63	1.43	1.33
1	26	28	GLY	C-N	6.63	1.43	1.33
1	3E	28	GLY	C-N	6.63	1.43	1.33
1	4A	28	GLY	C-N	6.63	1.43	1.33
1	4M	28	GLY	C-N	6.63	1.43	1.33
1	4U	28	GLY	C-N	6.63	1.43	1.33
1	5Q	28	GLY	C-N	6.63	1.43	1.33
1	6I	28	GLY	C-N	6.63	1.43	1.33
1	6Q	28	GLY	C-N	6.63	1.43	1.33
1	7M	28	GLY	C-N	6.63	1.43	1.33
2	1N	30	PRO	C-O	-6.63	1.15	1.24
2	1N	209	LEU	CA-CB	-6.63	1.42	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2J	30	PRO	C-O	-6.63	1.15	1.24
2	2J	209	LEU	CA-CB	-6.63	1.42	1.53
2	3B	30	PRO	C-O	-6.63	1.15	1.24
2	3B	209	LEU	CA-CB	-6.63	1.42	1.53
2	3J	30	PRO	C-O	-6.63	1.15	1.24
2	3J	209	LEU	CA-CB	-6.63	1.42	1.53
2	33	30	PRO	C-O	-6.63	1.15	1.24
2	33	209	LEU	CA-CB	-6.63	1.42	1.53
2	4F	30	PRO	C-O	-6.63	1.15	1.24
2	4F	209	LEU	CA-CB	-6.63	1.42	1.53
2	4Z	30	PRO	C-O	-6.63	1.15	1.24
2	4Z	209	LEU	CA-CB	-6.63	1.42	1.53
2	5V	30	PRO	C-O	-6.63	1.15	1.24
2	5V	209	LEU	CA-CB	-6.63	1.42	1.53
2	6N	30	PRO	C-O	-6.63	1.15	1.24
2	6N	209	LEU	CA-CB	-6.63	1.42	1.53
2	6V	30	PRO	C-O	-6.63	1.15	1.24
2	6V	209	LEU	CA-CB	-6.63	1.42	1.53
2	7F	30	PRO	C-O	-6.63	1.15	1.24
2	7F	209	LEU	CA-CB	-6.63	1.42	1.53
2	7R	30	PRO	C-O	-6.63	1.15	1.24
2	7R	209	LEU	CA-CB	-6.63	1.42	1.53
1	1Q	66	ARG	CA-CB	6.63	1.70	1.53
1	1U	66	ARG	CA-CB	6.63	1.70	1.53
1	1Y	66	ARG	CA-CB	6.63	1.70	1.53
1	2Q	66	ARG	CA-CB	6.63	1.70	1.53
1	2U	66	ARG	CA-CB	6.63	1.70	1.53
1	2Y	66	ARG	CA-CB	6.63	1.70	1.53
1	42	66	ARG	CA-CB	6.63	1.70	1.53
1	46	66	ARG	CA-CB	6.63	1.70	1.53
1	5A	66	ARG	CA-CB	6.63	1.70	1.53
1	52	66	ARG	CA-CB	6.63	1.70	1.53
1	56	66	ARG	CA-CB	6.63	1.70	1.53
1	6A	66	ARG	CA-CB	6.63	1.70	1.53
2	1N	5	ASN	C-N	6.62	1.43	1.33
2	2J	5	ASN	C-N	6.62	1.43	1.33
2	3B	5	ASN	C-N	6.62	1.43	1.33
2	3J	5	ASN	C-N	6.62	1.43	1.33
2	33	5	ASN	C-N	6.62	1.43	1.33
2	4F	5	ASN	C-N	6.62	1.43	1.33
2	4Z	5	ASN	C-N	6.62	1.43	1.33
2	5V	5	ASN	C-N	6.62	1.43	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	5	ASN	C-N	6.62	1.43	1.33
2	6V	5	ASN	C-N	6.62	1.43	1.33
2	7F	5	ASN	C-N	6.62	1.43	1.33
2	7R	5	ASN	C-N	6.62	1.43	1.33
1	1E	77	ALA	CA-CB	6.62	1.63	1.53
1	12	66	ARG	CA-CB	6.62	1.70	1.53
1	16	66	ARG	CA-CB	6.62	1.70	1.53
1	2A	66	ARG	CA-CB	6.62	1.70	1.53
1	2M	77	ALA	CA-CB	6.62	1.63	1.53
1	22	77	ALA	CA-CB	6.62	1.63	1.53
1	3M	77	ALA	CA-CB	6.62	1.63	1.53
1	3Q	66	ARG	CA-CB	6.62	1.70	1.53
1	3U	66	ARG	CA-CB	6.62	1.70	1.53
1	3Y	66	ARG	CA-CB	6.62	1.70	1.53
1	36	77	ALA	CA-CB	6.62	1.63	1.53
1	4I	77	ALA	CA-CB	6.62	1.63	1.53
1	4Q	77	ALA	CA-CB	6.62	1.63	1.53
1	5E	66	ARG	CA-CB	6.62	1.70	1.53
1	5I	66	ARG	CA-CB	6.62	1.70	1.53
1	5M	66	ARG	CA-CB	6.62	1.70	1.53
1	5Y	77	ALA	CA-CB	6.62	1.63	1.53
1	6E	77	ALA	CA-CB	6.62	1.63	1.53
1	6Y	77	ALA	CA-CB	6.62	1.63	1.53
1	62	66	ARG	CA-CB	6.62	1.70	1.53
1	66	66	ARG	CA-CB	6.62	1.70	1.53
1	7A	66	ARG	CA-CB	6.62	1.70	1.53
1	7I	77	ALA	CA-CB	6.62	1.63	1.53
1	7U	77	ALA	CA-CB	6.62	1.63	1.53
2	1R	5	ASN	C-N	6.62	1.43	1.33
2	1V	5	ASN	C-N	6.62	1.43	1.33
2	1Z	5	ASN	C-N	6.62	1.43	1.33
1	12	28	GLY	C-N	6.62	1.43	1.33
1	16	28	GLY	C-N	6.62	1.43	1.33
1	2A	28	GLY	C-N	6.62	1.43	1.33
2	2R	5	ASN	C-N	6.62	1.43	1.33
2	2V	5	ASN	C-N	6.62	1.43	1.33
2	2Z	5	ASN	C-N	6.62	1.43	1.33
1	3Q	28	GLY	C-N	6.62	1.43	1.33
1	3U	28	GLY	C-N	6.62	1.43	1.33
1	3Y	28	GLY	C-N	6.62	1.43	1.33
2	43	5	ASN	C-N	6.62	1.43	1.33
2	47	5	ASN	C-N	6.62	1.43	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	5	ASN	C-N	6.62	1.43	1.33
1	5E	28	GLY	C-N	6.62	1.43	1.33
1	5I	28	GLY	C-N	6.62	1.43	1.33
1	5M	28	GLY	C-N	6.62	1.43	1.33
2	53	5	ASN	C-N	6.62	1.43	1.33
2	57	5	ASN	C-N	6.62	1.43	1.33
2	6B	5	ASN	C-N	6.62	1.43	1.33
1	62	28	GLY	C-N	6.62	1.43	1.33
1	66	28	GLY	C-N	6.62	1.43	1.33
1	7A	28	GLY	C-N	6.62	1.43	1.33
2	1N	69	SER	C-N	6.61	1.42	1.33
2	2J	69	SER	C-N	6.61	1.42	1.33
2	3B	69	SER	C-N	6.61	1.42	1.33
2	3J	69	SER	C-N	6.61	1.42	1.33
2	33	69	SER	C-N	6.61	1.42	1.33
2	4F	69	SER	C-N	6.61	1.42	1.33
2	4Z	69	SER	C-N	6.61	1.42	1.33
2	5V	69	SER	C-N	6.61	1.42	1.33
2	6N	69	SER	C-N	6.61	1.42	1.33
2	6V	69	SER	C-N	6.61	1.42	1.33
2	7F	69	SER	C-N	6.61	1.42	1.33
2	7R	69	SER	C-N	6.61	1.42	1.33
1	1E	66	ARG	CA-CB	6.61	1.70	1.53
1	2M	66	ARG	CA-CB	6.61	1.70	1.53
1	22	66	ARG	CA-CB	6.61	1.70	1.53
1	3M	66	ARG	CA-CB	6.61	1.70	1.53
1	36	66	ARG	CA-CB	6.61	1.70	1.53
1	4I	66	ARG	CA-CB	6.61	1.70	1.53
1	4Q	66	ARG	CA-CB	6.61	1.70	1.53
1	5Y	66	ARG	CA-CB	6.61	1.70	1.53
1	6E	66	ARG	CA-CB	6.61	1.70	1.53
1	6Y	66	ARG	CA-CB	6.61	1.70	1.53
1	7I	66	ARG	CA-CB	6.61	1.70	1.53
1	7U	66	ARG	CA-CB	6.61	1.70	1.53
1	1A	77	ALA	CA-CB	6.60	1.63	1.53
1	1I	77	ALA	CA-CB	6.60	1.63	1.53
1	12	11	VAL	C-N	-6.60	1.24	1.33
1	16	11	VAL	C-N	-6.60	1.24	1.33
1	2A	11	VAL	C-N	-6.60	1.24	1.33
1	2E	77	ALA	CA-CB	6.60	1.63	1.53
1	26	77	ALA	CA-CB	6.60	1.63	1.53
1	3E	77	ALA	CA-CB	6.60	1.63	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3Q	11	VAL	C-N	-6.60	1.24	1.33
1	3U	11	VAL	C-N	-6.60	1.24	1.33
1	3Y	11	VAL	C-N	-6.60	1.24	1.33
1	4A	77	ALA	CA-CB	6.60	1.63	1.53
1	4M	77	ALA	CA-CB	6.60	1.63	1.53
1	4U	77	ALA	CA-CB	6.60	1.63	1.53
1	5E	11	VAL	C-N	-6.60	1.24	1.33
1	5I	11	VAL	C-N	-6.60	1.24	1.33
1	5M	11	VAL	C-N	-6.60	1.24	1.33
1	5Q	77	ALA	CA-CB	6.60	1.63	1.53
1	6I	77	ALA	CA-CB	6.60	1.63	1.53
1	6Q	77	ALA	CA-CB	6.60	1.63	1.53
1	62	11	VAL	C-N	-6.60	1.24	1.33
1	66	11	VAL	C-N	-6.60	1.24	1.33
1	7A	11	VAL	C-N	-6.60	1.24	1.33
1	7M	77	ALA	CA-CB	6.60	1.63	1.53
1	1M	77	ALA	CA-CB	6.59	1.62	1.53
1	2I	77	ALA	CA-CB	6.59	1.62	1.53
1	3A	77	ALA	CA-CB	6.59	1.62	1.53
1	3I	77	ALA	CA-CB	6.59	1.62	1.53
1	32	77	ALA	CA-CB	6.59	1.62	1.53
1	4E	77	ALA	CA-CB	6.59	1.62	1.53
1	4Y	77	ALA	CA-CB	6.59	1.62	1.53
1	5U	77	ALA	CA-CB	6.59	1.62	1.53
1	6M	77	ALA	CA-CB	6.59	1.62	1.53
1	6U	77	ALA	CA-CB	6.59	1.62	1.53
1	7E	77	ALA	CA-CB	6.59	1.62	1.53
1	7Q	77	ALA	CA-CB	6.59	1.62	1.53
1	1A	11	VAL	C-N	-6.59	1.24	1.33
1	1I	11	VAL	C-N	-6.59	1.24	1.33
2	1R	10	GLN	C-N	6.59	1.43	1.33
2	1V	10	GLN	C-N	6.59	1.43	1.33
2	1Z	10	GLN	C-N	6.59	1.43	1.33
1	2E	11	VAL	C-N	-6.59	1.24	1.33
2	2R	10	GLN	C-N	6.59	1.43	1.33
2	2V	10	GLN	C-N	6.59	1.43	1.33
2	2Z	10	GLN	C-N	6.59	1.43	1.33
1	26	11	VAL	C-N	-6.59	1.24	1.33
1	3E	11	VAL	C-N	-6.59	1.24	1.33
1	4A	11	VAL	C-N	-6.59	1.24	1.33
1	4M	11	VAL	C-N	-6.59	1.24	1.33
1	4U	11	VAL	C-N	-6.59	1.24	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	43	10	GLN	C-N	6.59	1.43	1.33
2	47	10	GLN	C-N	6.59	1.43	1.33
2	5B	10	GLN	C-N	6.59	1.43	1.33
1	5Q	11	VAL	C-N	-6.59	1.24	1.33
2	53	10	GLN	C-N	6.59	1.43	1.33
2	57	10	GLN	C-N	6.59	1.43	1.33
2	6B	10	GLN	C-N	6.59	1.43	1.33
1	6I	11	VAL	C-N	-6.59	1.24	1.33
1	6Q	11	VAL	C-N	-6.59	1.24	1.33
1	7M	11	VAL	C-N	-6.59	1.24	1.33
2	1N	74	TYR	C-N	-6.58	1.24	1.33
2	2J	74	TYR	C-N	-6.58	1.24	1.33
2	3B	74	TYR	C-N	-6.58	1.24	1.33
2	3J	74	TYR	C-N	-6.58	1.24	1.33
2	33	74	TYR	C-N	-6.58	1.24	1.33
2	4F	74	TYR	C-N	-6.58	1.24	1.33
2	4Z	74	TYR	C-N	-6.58	1.24	1.33
2	5V	74	TYR	C-N	-6.58	1.24	1.33
2	6N	74	TYR	C-N	-6.58	1.24	1.33
2	6V	74	TYR	C-N	-6.58	1.24	1.33
2	7F	74	TYR	C-N	-6.58	1.24	1.33
2	7R	74	TYR	C-N	-6.58	1.24	1.33
1	1Q	11	VAL	C-N	-6.58	1.24	1.33
1	1U	11	VAL	C-N	-6.58	1.24	1.33
1	1Y	11	VAL	C-N	-6.58	1.24	1.33
1	2Q	11	VAL	C-N	-6.58	1.24	1.33
1	2U	11	VAL	C-N	-6.58	1.24	1.33
1	2Y	11	VAL	C-N	-6.58	1.24	1.33
1	42	11	VAL	C-N	-6.58	1.24	1.33
1	46	11	VAL	C-N	-6.58	1.24	1.33
1	5A	11	VAL	C-N	-6.58	1.24	1.33
1	52	11	VAL	C-N	-6.58	1.24	1.33
1	56	11	VAL	C-N	-6.58	1.24	1.33
1	6A	11	VAL	C-N	-6.58	1.24	1.33
2	1B	74	TYR	C-N	-6.58	1.24	1.33
2	1J	74	TYR	C-N	-6.58	1.24	1.33
2	2F	74	TYR	C-N	-6.58	1.24	1.33
2	27	74	TYR	C-N	-6.58	1.24	1.33
2	3F	74	TYR	C-N	-6.58	1.24	1.33
2	4B	74	TYR	C-N	-6.58	1.24	1.33
2	4N	74	TYR	C-N	-6.58	1.24	1.33
2	4V	74	TYR	C-N	-6.58	1.24	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	74	TYR	C-N	-6.58	1.24	1.33
2	6J	74	TYR	C-N	-6.58	1.24	1.33
2	6R	74	TYR	C-N	-6.58	1.24	1.33
2	7N	74	TYR	C-N	-6.58	1.24	1.33
2	1F	10	GLN	C-N	6.57	1.42	1.33
1	12	77	ALA	CA-CB	6.57	1.62	1.53
1	16	77	ALA	CA-CB	6.57	1.62	1.53
1	2A	77	ALA	CA-CB	6.57	1.62	1.53
2	2N	10	GLN	C-N	6.57	1.42	1.33
2	23	10	GLN	C-N	6.57	1.42	1.33
2	3N	10	GLN	C-N	6.57	1.42	1.33
1	3Q	77	ALA	CA-CB	6.57	1.62	1.53
1	3U	77	ALA	CA-CB	6.57	1.62	1.53
1	3Y	77	ALA	CA-CB	6.57	1.62	1.53
2	37	10	GLN	C-N	6.57	1.42	1.33
2	4J	10	GLN	C-N	6.57	1.42	1.33
2	4R	10	GLN	C-N	6.57	1.42	1.33
1	5E	77	ALA	CA-CB	6.57	1.62	1.53
1	5I	77	ALA	CA-CB	6.57	1.62	1.53
1	5M	77	ALA	CA-CB	6.57	1.62	1.53
2	5Z	10	GLN	C-N	6.57	1.42	1.33
2	6F	10	GLN	C-N	6.57	1.42	1.33
2	6Z	10	GLN	C-N	6.57	1.42	1.33
1	62	77	ALA	CA-CB	6.57	1.62	1.53
1	66	77	ALA	CA-CB	6.57	1.62	1.53
1	7A	77	ALA	CA-CB	6.57	1.62	1.53
2	7J	10	GLN	C-N	6.57	1.42	1.33
2	7V	10	GLN	C-N	6.57	1.42	1.33
2	1R	74	TYR	C-N	-6.57	1.24	1.33
2	1V	74	TYR	C-N	-6.57	1.24	1.33
2	1Z	74	TYR	C-N	-6.57	1.24	1.33
2	2R	74	TYR	C-N	-6.57	1.24	1.33
2	2V	74	TYR	C-N	-6.57	1.24	1.33
2	2Z	74	TYR	C-N	-6.57	1.24	1.33
2	43	74	TYR	C-N	-6.57	1.24	1.33
2	47	74	TYR	C-N	-6.57	1.24	1.33
2	5B	74	TYR	C-N	-6.57	1.24	1.33
2	53	74	TYR	C-N	-6.57	1.24	1.33
2	57	74	TYR	C-N	-6.57	1.24	1.33
2	6B	74	TYR	C-N	-6.57	1.24	1.33
1	1A	146	ASN	N-CA	6.56	1.54	1.46
1	1I	146	ASN	N-CA	6.56	1.54	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	146	ASN	N-CA	6.56	1.54	1.46
1	26	146	ASN	N-CA	6.56	1.54	1.46
1	3E	146	ASN	N-CA	6.56	1.54	1.46
1	4A	146	ASN	N-CA	6.56	1.54	1.46
1	4M	146	ASN	N-CA	6.56	1.54	1.46
1	4U	146	ASN	N-CA	6.56	1.54	1.46
1	5Q	146	ASN	N-CA	6.56	1.54	1.46
1	6I	146	ASN	N-CA	6.56	1.54	1.46
1	6Q	146	ASN	N-CA	6.56	1.54	1.46
1	7M	146	ASN	N-CA	6.56	1.54	1.46
2	1N	47	ASP	C-O	6.56	1.32	1.23
2	2J	47	ASP	C-O	6.56	1.32	1.23
2	3B	47	ASP	C-O	6.56	1.32	1.23
2	3J	47	ASP	C-O	6.56	1.32	1.23
2	33	47	ASP	C-O	6.56	1.32	1.23
2	4F	47	ASP	C-O	6.56	1.32	1.23
2	4Z	47	ASP	C-O	6.56	1.32	1.23
2	5V	47	ASP	C-O	6.56	1.32	1.23
2	6N	47	ASP	C-O	6.56	1.32	1.23
2	6V	47	ASP	C-O	6.56	1.32	1.23
2	7F	47	ASP	C-O	6.56	1.32	1.23
2	7R	47	ASP	C-O	6.56	1.32	1.23
2	1B	10	GLN	C-N	6.55	1.42	1.33
2	1J	10	GLN	C-N	6.55	1.42	1.33
2	2F	10	GLN	C-N	6.55	1.42	1.33
2	27	10	GLN	C-N	6.55	1.42	1.33
2	3F	10	GLN	C-N	6.55	1.42	1.33
2	4B	10	GLN	C-N	6.55	1.42	1.33
2	4N	10	GLN	C-N	6.55	1.42	1.33
2	4V	10	GLN	C-N	6.55	1.42	1.33
2	5R	10	GLN	C-N	6.55	1.42	1.33
2	6J	10	GLN	C-N	6.55	1.42	1.33
2	6R	10	GLN	C-N	6.55	1.42	1.33
2	7N	10	GLN	C-N	6.55	1.42	1.33
2	13	30	PRO	C-O	-6.55	1.15	1.24
2	17	30	PRO	C-O	-6.55	1.15	1.24
2	2B	30	PRO	C-O	-6.55	1.15	1.24
2	3R	30	PRO	C-O	-6.55	1.15	1.24
2	3V	30	PRO	C-O	-6.55	1.15	1.24
2	3Z	30	PRO	C-O	-6.55	1.15	1.24
2	5F	30	PRO	C-O	-6.55	1.15	1.24
2	5J	30	PRO	C-O	-6.55	1.15	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	30	PRO	C-O	-6.55	1.15	1.24
2	63	30	PRO	C-O	-6.55	1.15	1.24
2	67	30	PRO	C-O	-6.55	1.15	1.24
2	7B	30	PRO	C-O	-6.55	1.15	1.24
2	1B	30	PRO	C-O	-6.54	1.15	1.24
2	1J	30	PRO	C-O	-6.54	1.15	1.24
2	2F	30	PRO	C-O	-6.54	1.15	1.24
2	27	30	PRO	C-O	-6.54	1.15	1.24
2	3F	30	PRO	C-O	-6.54	1.15	1.24
2	4B	30	PRO	C-O	-6.54	1.15	1.24
2	4N	30	PRO	C-O	-6.54	1.15	1.24
2	4V	30	PRO	C-O	-6.54	1.15	1.24
2	5R	30	PRO	C-O	-6.54	1.15	1.24
2	6J	30	PRO	C-O	-6.54	1.15	1.24
2	6R	30	PRO	C-O	-6.54	1.15	1.24
2	7N	30	PRO	C-O	-6.54	1.15	1.24
2	1F	74	TYR	C-N	-6.54	1.24	1.33
2	13	74	TYR	C-N	-6.54	1.24	1.33
2	17	74	TYR	C-N	-6.54	1.24	1.33
2	2B	74	TYR	C-N	-6.54	1.24	1.33
2	2N	74	TYR	C-N	-6.54	1.24	1.33
2	23	74	TYR	C-N	-6.54	1.24	1.33
2	3N	74	TYR	C-N	-6.54	1.24	1.33
2	3R	74	TYR	C-N	-6.54	1.24	1.33
2	3V	74	TYR	C-N	-6.54	1.24	1.33
2	3Z	74	TYR	C-N	-6.54	1.24	1.33
2	37	74	TYR	C-N	-6.54	1.24	1.33
2	4J	74	TYR	C-N	-6.54	1.24	1.33
2	4R	74	TYR	C-N	-6.54	1.24	1.33
2	5F	74	TYR	C-N	-6.54	1.24	1.33
2	5J	74	TYR	C-N	-6.54	1.24	1.33
2	5N	74	TYR	C-N	-6.54	1.24	1.33
2	5Z	74	TYR	C-N	-6.54	1.24	1.33
2	6F	74	TYR	C-N	-6.54	1.24	1.33
2	6Z	74	TYR	C-N	-6.54	1.24	1.33
2	63	74	TYR	C-N	-6.54	1.24	1.33
2	67	74	TYR	C-N	-6.54	1.24	1.33
2	7B	74	TYR	C-N	-6.54	1.24	1.33
2	7J	74	TYR	C-N	-6.54	1.24	1.33
2	7V	74	TYR	C-N	-6.54	1.24	1.33
2	1R	47	ASP	C-O	6.54	1.32	1.23
2	1V	47	ASP	C-O	6.54	1.32	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	47	ASP	C-O	6.54	1.32	1.23
2	2R	47	ASP	C-O	6.54	1.32	1.23
2	2V	47	ASP	C-O	6.54	1.32	1.23
2	2Z	47	ASP	C-O	6.54	1.32	1.23
2	43	47	ASP	C-O	6.54	1.32	1.23
2	47	47	ASP	C-O	6.54	1.32	1.23
2	5B	47	ASP	C-O	6.54	1.32	1.23
2	53	47	ASP	C-O	6.54	1.32	1.23
2	57	47	ASP	C-O	6.54	1.32	1.23
2	6B	47	ASP	C-O	6.54	1.32	1.23
1	1A	96	ASP	CG-OD2	-6.53	1.12	1.25
1	1E	96	ASP	CG-OD2	-6.53	1.12	1.25
1	1I	96	ASP	CG-OD2	-6.53	1.12	1.25
1	12	96	ASP	CG-OD2	-6.53	1.12	1.25
1	16	96	ASP	CG-OD2	-6.53	1.12	1.25
1	2A	96	ASP	CG-OD2	-6.53	1.12	1.25
1	2E	96	ASP	CG-OD2	-6.53	1.12	1.25
1	2M	96	ASP	CG-OD2	-6.53	1.12	1.25
1	22	96	ASP	CG-OD2	-6.53	1.12	1.25
1	26	96	ASP	CG-OD2	-6.53	1.12	1.25
1	3E	96	ASP	CG-OD2	-6.53	1.12	1.25
1	3M	96	ASP	CG-OD2	-6.53	1.12	1.25
1	3Q	96	ASP	CG-OD2	-6.53	1.12	1.25
1	3U	96	ASP	CG-OD2	-6.53	1.12	1.25
1	3Y	96	ASP	CG-OD2	-6.53	1.12	1.25
1	36	96	ASP	CG-OD2	-6.53	1.12	1.25
1	4A	96	ASP	CG-OD2	-6.53	1.12	1.25
1	4I	96	ASP	CG-OD2	-6.53	1.12	1.25
1	4M	96	ASP	CG-OD2	-6.53	1.12	1.25
1	4Q	96	ASP	CG-OD2	-6.53	1.12	1.25
1	4U	96	ASP	CG-OD2	-6.53	1.12	1.25
1	5E	96	ASP	CG-OD2	-6.53	1.12	1.25
1	5I	96	ASP	CG-OD2	-6.53	1.12	1.25
1	5M	96	ASP	CG-OD2	-6.53	1.12	1.25
1	5Q	96	ASP	CG-OD2	-6.53	1.12	1.25
1	5Y	96	ASP	CG-OD2	-6.53	1.12	1.25
1	6E	96	ASP	CG-OD2	-6.53	1.12	1.25
1	6I	96	ASP	CG-OD2	-6.53	1.12	1.25
1	6Q	96	ASP	CG-OD2	-6.53	1.12	1.25
1	6Y	96	ASP	CG-OD2	-6.53	1.12	1.25
1	62	96	ASP	CG-OD2	-6.53	1.12	1.25
1	66	96	ASP	CG-OD2	-6.53	1.12	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7A	96	ASP	CG-OD2	-6.53	1.12	1.25
1	7I	96	ASP	CG-OD2	-6.53	1.12	1.25
1	7M	96	ASP	CG-OD2	-6.53	1.12	1.25
1	7U	96	ASP	CG-OD2	-6.53	1.12	1.25
2	1B	47	ASP	C-O	6.53	1.32	1.23
2	1J	47	ASP	C-O	6.53	1.32	1.23
1	1M	96	ASP	CG-OD2	-6.53	1.12	1.25
1	1M	146	ASN	N-CA	6.53	1.54	1.46
1	12	146	ASN	N-CA	6.53	1.54	1.46
1	16	146	ASN	N-CA	6.53	1.54	1.46
1	2A	146	ASN	N-CA	6.53	1.54	1.46
2	2F	47	ASP	C-O	6.53	1.32	1.23
1	2I	96	ASP	CG-OD2	-6.53	1.12	1.25
1	2I	146	ASN	N-CA	6.53	1.54	1.46
2	27	47	ASP	C-O	6.53	1.32	1.23
1	3A	96	ASP	CG-OD2	-6.53	1.12	1.25
1	3A	146	ASN	N-CA	6.53	1.54	1.46
2	3F	47	ASP	C-O	6.53	1.32	1.23
1	3I	96	ASP	CG-OD2	-6.53	1.12	1.25
1	3I	146	ASN	N-CA	6.53	1.54	1.46
1	3Q	146	ASN	N-CA	6.53	1.54	1.46
1	3U	146	ASN	N-CA	6.53	1.54	1.46
1	3Y	146	ASN	N-CA	6.53	1.54	1.46
1	32	96	ASP	CG-OD2	-6.53	1.12	1.25
1	32	146	ASN	N-CA	6.53	1.54	1.46
2	4B	47	ASP	C-O	6.53	1.32	1.23
1	4E	96	ASP	CG-OD2	-6.53	1.12	1.25
1	4E	146	ASN	N-CA	6.53	1.54	1.46
2	4N	47	ASP	C-O	6.53	1.32	1.23
2	4V	47	ASP	C-O	6.53	1.32	1.23
1	4Y	96	ASP	CG-OD2	-6.53	1.12	1.25
1	4Y	146	ASN	N-CA	6.53	1.54	1.46
1	5E	146	ASN	N-CA	6.53	1.54	1.46
1	5I	146	ASN	N-CA	6.53	1.54	1.46
1	5M	146	ASN	N-CA	6.53	1.54	1.46
2	5R	47	ASP	C-O	6.53	1.32	1.23
1	5U	96	ASP	CG-OD2	-6.53	1.12	1.25
1	5U	146	ASN	N-CA	6.53	1.54	1.46
2	6J	47	ASP	C-O	6.53	1.32	1.23
1	6M	96	ASP	CG-OD2	-6.53	1.12	1.25
1	6M	146	ASN	N-CA	6.53	1.54	1.46
2	6R	47	ASP	C-O	6.53	1.32	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6U	96	ASP	CG-OD2	-6.53	1.12	1.25
1	6U	146	ASN	N-CA	6.53	1.54	1.46
1	62	146	ASN	N-CA	6.53	1.54	1.46
1	66	146	ASN	N-CA	6.53	1.54	1.46
1	7A	146	ASN	N-CA	6.53	1.54	1.46
1	7E	96	ASP	CG-OD2	-6.53	1.12	1.25
1	7E	146	ASN	N-CA	6.53	1.54	1.46
2	7N	47	ASP	C-O	6.53	1.32	1.23
1	7Q	96	ASP	CG-OD2	-6.53	1.12	1.25
1	7Q	146	ASN	N-CA	6.53	1.54	1.46
1	1Q	146	ASN	N-CA	6.52	1.54	1.46
1	1U	146	ASN	N-CA	6.52	1.54	1.46
1	1Y	146	ASN	N-CA	6.52	1.54	1.46
1	2Q	146	ASN	N-CA	6.52	1.54	1.46
1	2U	146	ASN	N-CA	6.52	1.54	1.46
1	2Y	146	ASN	N-CA	6.52	1.54	1.46
1	42	146	ASN	N-CA	6.52	1.54	1.46
1	46	146	ASN	N-CA	6.52	1.54	1.46
1	5A	146	ASN	N-CA	6.52	1.54	1.46
1	52	146	ASN	N-CA	6.52	1.54	1.46
1	56	146	ASN	N-CA	6.52	1.54	1.46
1	6A	146	ASN	N-CA	6.52	1.54	1.46
2	1B	220	PHE	CD1-CE1	6.52	1.58	1.38
2	1J	220	PHE	CD1-CE1	6.52	1.58	1.38
2	2F	220	PHE	CD1-CE1	6.52	1.58	1.38
2	27	220	PHE	CD1-CE1	6.52	1.58	1.38
2	3F	220	PHE	CD1-CE1	6.52	1.58	1.38
2	4B	220	PHE	CD1-CE1	6.52	1.58	1.38
2	4N	220	PHE	CD1-CE1	6.52	1.58	1.38
2	4V	220	PHE	CD1-CE1	6.52	1.58	1.38
2	5R	220	PHE	CD1-CE1	6.52	1.58	1.38
2	6J	220	PHE	CD1-CE1	6.52	1.58	1.38
2	6R	220	PHE	CD1-CE1	6.52	1.58	1.38
2	7N	220	PHE	CD1-CE1	6.52	1.58	1.38
1	1E	146	ASN	N-CA	6.51	1.54	1.46
1	2M	146	ASN	N-CA	6.51	1.54	1.46
1	22	146	ASN	N-CA	6.51	1.54	1.46
1	3M	146	ASN	N-CA	6.51	1.54	1.46
1	36	146	ASN	N-CA	6.51	1.54	1.46
1	4I	146	ASN	N-CA	6.51	1.54	1.46
1	4Q	146	ASN	N-CA	6.51	1.54	1.46
1	5Y	146	ASN	N-CA	6.51	1.54	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	146	ASN	N-CA	6.51	1.54	1.46
1	6Y	146	ASN	N-CA	6.51	1.54	1.46
1	7I	146	ASN	N-CA	6.51	1.54	1.46
1	7U	146	ASN	N-CA	6.51	1.54	1.46
2	13	36	SER	C-O	-6.51	1.15	1.24
2	17	36	SER	C-O	-6.51	1.15	1.24
2	2B	36	SER	C-O	-6.51	1.15	1.24
2	3R	36	SER	C-O	-6.51	1.15	1.24
2	3V	36	SER	C-O	-6.51	1.15	1.24
2	3Z	36	SER	C-O	-6.51	1.15	1.24
2	5F	36	SER	C-O	-6.51	1.15	1.24
2	5J	36	SER	C-O	-6.51	1.15	1.24
2	5N	36	SER	C-O	-6.51	1.15	1.24
2	63	36	SER	C-O	-6.51	1.15	1.24
2	67	36	SER	C-O	-6.51	1.15	1.24
2	7B	36	SER	C-O	-6.51	1.15	1.24
2	1F	36	SER	C-O	-6.51	1.15	1.24
2	2N	36	SER	C-O	-6.51	1.15	1.24
2	23	36	SER	C-O	-6.51	1.15	1.24
2	3N	36	SER	C-O	-6.51	1.15	1.24
2	37	36	SER	C-O	-6.51	1.15	1.24
2	4J	36	SER	C-O	-6.51	1.15	1.24
2	4R	36	SER	C-O	-6.51	1.15	1.24
2	5Z	36	SER	C-O	-6.51	1.15	1.24
2	6F	36	SER	C-O	-6.51	1.15	1.24
2	6Z	36	SER	C-O	-6.51	1.15	1.24
2	7J	36	SER	C-O	-6.51	1.15	1.24
2	7V	36	SER	C-O	-6.51	1.15	1.24
1	1Q	96	ASP	CG-OD2	-6.51	1.12	1.25
1	1U	96	ASP	CG-OD2	-6.51	1.12	1.25
1	1Y	96	ASP	CG-OD2	-6.51	1.12	1.25
1	2Q	96	ASP	CG-OD2	-6.51	1.12	1.25
1	2U	96	ASP	CG-OD2	-6.51	1.12	1.25
1	2Y	96	ASP	CG-OD2	-6.51	1.12	1.25
1	42	96	ASP	CG-OD2	-6.51	1.12	1.25
1	46	96	ASP	CG-OD2	-6.51	1.12	1.25
1	5A	96	ASP	CG-OD2	-6.51	1.12	1.25
1	52	96	ASP	CG-OD2	-6.51	1.12	1.25
1	56	96	ASP	CG-OD2	-6.51	1.12	1.25
1	6A	96	ASP	CG-OD2	-6.51	1.12	1.25
2	1F	47	ASP	C-O	6.50	1.32	1.23
2	1F	220	PHE	CD1-CE1	6.50	1.58	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2N	47	ASP	C-O	6.50	1.32	1.23
2	2N	220	PHE	CD1-CE1	6.50	1.58	1.38
2	23	47	ASP	C-O	6.50	1.32	1.23
2	23	220	PHE	CD1-CE1	6.50	1.58	1.38
2	3N	47	ASP	C-O	6.50	1.32	1.23
2	3N	220	PHE	CD1-CE1	6.50	1.58	1.38
2	37	47	ASP	C-O	6.50	1.32	1.23
2	37	220	PHE	CD1-CE1	6.50	1.58	1.38
2	4J	47	ASP	C-O	6.50	1.32	1.23
2	4J	220	PHE	CD1-CE1	6.50	1.58	1.38
2	4R	47	ASP	C-O	6.50	1.32	1.23
2	4R	220	PHE	CD1-CE1	6.50	1.58	1.38
2	5Z	47	ASP	C-O	6.50	1.32	1.23
2	5Z	220	PHE	CD1-CE1	6.50	1.58	1.38
2	6F	47	ASP	C-O	6.50	1.32	1.23
2	6F	220	PHE	CD1-CE1	6.50	1.58	1.38
2	6Z	47	ASP	C-O	6.50	1.32	1.23
2	6Z	220	PHE	CD1-CE1	6.50	1.58	1.38
2	7J	47	ASP	C-O	6.50	1.32	1.23
2	7J	220	PHE	CD1-CE1	6.50	1.58	1.38
2	7V	47	ASP	C-O	6.50	1.32	1.23
2	7V	220	PHE	CD1-CE1	6.50	1.58	1.38
2	13	220	PHE	CD1-CE1	6.50	1.58	1.38
2	17	220	PHE	CD1-CE1	6.50	1.58	1.38
2	2B	220	PHE	CD1-CE1	6.50	1.58	1.38
2	3R	220	PHE	CD1-CE1	6.50	1.58	1.38
2	3V	220	PHE	CD1-CE1	6.50	1.58	1.38
2	3Z	220	PHE	CD1-CE1	6.50	1.58	1.38
2	5F	220	PHE	CD1-CE1	6.50	1.58	1.38
2	5J	220	PHE	CD1-CE1	6.50	1.58	1.38
2	5N	220	PHE	CD1-CE1	6.50	1.58	1.38
2	63	220	PHE	CD1-CE1	6.50	1.58	1.38
2	67	220	PHE	CD1-CE1	6.50	1.58	1.38
2	7B	220	PHE	CD1-CE1	6.50	1.58	1.38
2	1R	220	PHE	CD1-CE1	6.50	1.58	1.38
2	1V	220	PHE	CD1-CE1	6.50	1.58	1.38
2	1Z	220	PHE	CD1-CE1	6.50	1.58	1.38
2	2R	220	PHE	CD1-CE1	6.50	1.58	1.38
2	2V	220	PHE	CD1-CE1	6.50	1.58	1.38
2	2Z	220	PHE	CD1-CE1	6.50	1.58	1.38
2	43	220	PHE	CD1-CE1	6.50	1.58	1.38
2	47	220	PHE	CD1-CE1	6.50	1.58	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	220	PHE	CD1-CE1	6.50	1.58	1.38
2	53	220	PHE	CD1-CE1	6.50	1.58	1.38
2	57	220	PHE	CD1-CE1	6.50	1.58	1.38
2	6B	220	PHE	CD1-CE1	6.50	1.58	1.38
2	1B	36	SER	C-O	-6.49	1.15	1.24
2	1J	36	SER	C-O	-6.49	1.15	1.24
2	2F	36	SER	C-O	-6.49	1.15	1.24
2	27	36	SER	C-O	-6.49	1.15	1.24
2	3F	36	SER	C-O	-6.49	1.15	1.24
2	4B	36	SER	C-O	-6.49	1.15	1.24
2	4N	36	SER	C-O	-6.49	1.15	1.24
2	4V	36	SER	C-O	-6.49	1.15	1.24
2	5R	36	SER	C-O	-6.49	1.15	1.24
2	6J	36	SER	C-O	-6.49	1.15	1.24
2	6R	36	SER	C-O	-6.49	1.15	1.24
2	7N	36	SER	C-O	-6.49	1.15	1.24
2	1R	216	ASN	C-O	-6.49	1.16	1.24
2	1V	216	ASN	C-O	-6.49	1.16	1.24
2	1Z	216	ASN	C-O	-6.49	1.16	1.24
2	2R	216	ASN	C-O	-6.49	1.16	1.24
2	2V	216	ASN	C-O	-6.49	1.16	1.24
2	2Z	216	ASN	C-O	-6.49	1.16	1.24
2	43	216	ASN	C-O	-6.49	1.16	1.24
2	47	216	ASN	C-O	-6.49	1.16	1.24
2	5B	216	ASN	C-O	-6.49	1.16	1.24
2	53	216	ASN	C-O	-6.49	1.16	1.24
2	57	216	ASN	C-O	-6.49	1.16	1.24
2	6B	216	ASN	C-O	-6.49	1.16	1.24
2	1F	30	PRO	C-O	-6.49	1.15	1.24
2	1N	220	PHE	CD1-CE1	6.49	1.58	1.38
2	2J	220	PHE	CD1-CE1	6.49	1.58	1.38
2	2N	30	PRO	C-O	-6.49	1.15	1.24
2	23	30	PRO	C-O	-6.49	1.15	1.24
2	3B	220	PHE	CD1-CE1	6.49	1.58	1.38
2	3J	220	PHE	CD1-CE1	6.49	1.58	1.38
2	3N	30	PRO	C-O	-6.49	1.15	1.24
2	33	220	PHE	CD1-CE1	6.49	1.58	1.38
2	37	30	PRO	C-O	-6.49	1.15	1.24
2	4F	220	PHE	CD1-CE1	6.49	1.58	1.38
2	4J	30	PRO	C-O	-6.49	1.15	1.24
2	4R	30	PRO	C-O	-6.49	1.15	1.24
2	4Z	220	PHE	CD1-CE1	6.49	1.58	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5V	220	PHE	CD1-CE1	6.49	1.58	1.38
2	5Z	30	PRO	C-O	-6.49	1.15	1.24
2	6F	30	PRO	C-O	-6.49	1.15	1.24
2	6N	220	PHE	CD1-CE1	6.49	1.58	1.38
2	6V	220	PHE	CD1-CE1	6.49	1.58	1.38
2	6Z	30	PRO	C-O	-6.49	1.15	1.24
2	7F	220	PHE	CD1-CE1	6.49	1.58	1.38
2	7J	30	PRO	C-O	-6.49	1.15	1.24
2	7R	220	PHE	CD1-CE1	6.49	1.58	1.38
2	7V	30	PRO	C-O	-6.49	1.15	1.24
2	1N	216	ASN	C-O	-6.48	1.16	1.24
2	2J	216	ASN	C-O	-6.48	1.16	1.24
2	3B	216	ASN	C-O	-6.48	1.16	1.24
2	3J	216	ASN	C-O	-6.48	1.16	1.24
2	33	216	ASN	C-O	-6.48	1.16	1.24
2	4F	216	ASN	C-O	-6.48	1.16	1.24
2	4Z	216	ASN	C-O	-6.48	1.16	1.24
2	5V	216	ASN	C-O	-6.48	1.16	1.24
2	6N	216	ASN	C-O	-6.48	1.16	1.24
2	6V	216	ASN	C-O	-6.48	1.16	1.24
2	7F	216	ASN	C-O	-6.48	1.16	1.24
2	7R	216	ASN	C-O	-6.48	1.16	1.24
2	1N	36	SER	C-O	-6.48	1.15	1.24
1	12	20	GLU	CB-CG	6.48	1.71	1.52
2	13	10	GLN	C-N	6.48	1.42	1.33
1	16	20	GLU	CB-CG	6.48	1.71	1.52
2	17	10	GLN	C-N	6.48	1.42	1.33
1	2A	20	GLU	CB-CG	6.48	1.71	1.52
2	2B	10	GLN	C-N	6.48	1.42	1.33
2	2J	36	SER	C-O	-6.48	1.15	1.24
2	3B	36	SER	C-O	-6.48	1.15	1.24
2	3J	36	SER	C-O	-6.48	1.15	1.24
1	3Q	20	GLU	CB-CG	6.48	1.71	1.52
2	3R	10	GLN	C-N	6.48	1.42	1.33
1	3U	20	GLU	CB-CG	6.48	1.71	1.52
2	3V	10	GLN	C-N	6.48	1.42	1.33
1	3Y	20	GLU	CB-CG	6.48	1.71	1.52
2	3Z	10	GLN	C-N	6.48	1.42	1.33
2	33	36	SER	C-O	-6.48	1.15	1.24
2	4F	36	SER	C-O	-6.48	1.15	1.24
2	4Z	36	SER	C-O	-6.48	1.15	1.24
1	5E	20	GLU	CB-CG	6.48	1.71	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5F	10	GLN	C-N	6.48	1.42	1.33
1	5I	20	GLU	CB-CG	6.48	1.71	1.52
2	5J	10	GLN	C-N	6.48	1.42	1.33
1	5M	20	GLU	CB-CG	6.48	1.71	1.52
2	5N	10	GLN	C-N	6.48	1.42	1.33
2	5V	36	SER	C-O	-6.48	1.15	1.24
2	6N	36	SER	C-O	-6.48	1.15	1.24
2	6V	36	SER	C-O	-6.48	1.15	1.24
1	62	20	GLU	CB-CG	6.48	1.71	1.52
2	63	10	GLN	C-N	6.48	1.42	1.33
1	66	20	GLU	CB-CG	6.48	1.71	1.52
2	67	10	GLN	C-N	6.48	1.42	1.33
1	7A	20	GLU	CB-CG	6.48	1.71	1.52
2	7B	10	GLN	C-N	6.48	1.42	1.33
2	7F	36	SER	C-O	-6.48	1.15	1.24
2	7R	36	SER	C-O	-6.48	1.15	1.24
2	1B	216	ASN	C-O	-6.48	1.16	1.24
2	1J	216	ASN	C-O	-6.48	1.16	1.24
2	2F	216	ASN	C-O	-6.48	1.16	1.24
2	27	216	ASN	C-O	-6.48	1.16	1.24
2	3F	216	ASN	C-O	-6.48	1.16	1.24
2	4B	216	ASN	C-O	-6.48	1.16	1.24
2	4N	216	ASN	C-O	-6.48	1.16	1.24
2	4V	216	ASN	C-O	-6.48	1.16	1.24
2	5R	216	ASN	C-O	-6.48	1.16	1.24
2	6J	216	ASN	C-O	-6.48	1.16	1.24
2	6R	216	ASN	C-O	-6.48	1.16	1.24
2	7N	216	ASN	C-O	-6.48	1.16	1.24
1	1A	23	GLY	C-N	6.48	1.42	1.33
1	1I	23	GLY	C-N	6.48	1.42	1.33
2	1N	10	GLN	C-N	6.48	1.42	1.33
1	2E	23	GLY	C-N	6.48	1.42	1.33
2	2J	10	GLN	C-N	6.48	1.42	1.33
1	26	23	GLY	C-N	6.48	1.42	1.33
2	3B	10	GLN	C-N	6.48	1.42	1.33
1	3E	23	GLY	C-N	6.48	1.42	1.33
2	3J	10	GLN	C-N	6.48	1.42	1.33
2	33	10	GLN	C-N	6.48	1.42	1.33
1	4A	23	GLY	C-N	6.48	1.42	1.33
2	4F	10	GLN	C-N	6.48	1.42	1.33
1	4M	23	GLY	C-N	6.48	1.42	1.33
1	4U	23	GLY	C-N	6.48	1.42	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4Z	10	GLN	C-N	6.48	1.42	1.33
1	5Q	23	GLY	C-N	6.48	1.42	1.33
2	5V	10	GLN	C-N	6.48	1.42	1.33
1	6I	23	GLY	C-N	6.48	1.42	1.33
2	6N	10	GLN	C-N	6.48	1.42	1.33
1	6Q	23	GLY	C-N	6.48	1.42	1.33
2	6V	10	GLN	C-N	6.48	1.42	1.33
2	7F	10	GLN	C-N	6.48	1.42	1.33
1	7M	23	GLY	C-N	6.48	1.42	1.33
2	7R	10	GLN	C-N	6.48	1.42	1.33
1	1A	20	GLU	CB-CG	6.48	1.71	1.52
1	1I	20	GLU	CB-CG	6.48	1.71	1.52
1	2E	20	GLU	CB-CG	6.48	1.71	1.52
1	26	20	GLU	CB-CG	6.48	1.71	1.52
1	3E	20	GLU	CB-CG	6.48	1.71	1.52
1	4A	20	GLU	CB-CG	6.48	1.71	1.52
1	4M	20	GLU	CB-CG	6.48	1.71	1.52
1	4U	20	GLU	CB-CG	6.48	1.71	1.52
1	5Q	20	GLU	CB-CG	6.48	1.71	1.52
1	6I	20	GLU	CB-CG	6.48	1.71	1.52
1	6Q	20	GLU	CB-CG	6.48	1.71	1.52
1	7M	20	GLU	CB-CG	6.48	1.71	1.52
2	1F	216	ASN	C-O	-6.47	1.16	1.24
2	1N	30	PRO	C-N	6.47	1.42	1.33
2	13	216	ASN	C-O	-6.47	1.16	1.24
2	17	216	ASN	C-O	-6.47	1.16	1.24
2	2B	216	ASN	C-O	-6.47	1.16	1.24
2	2J	30	PRO	C-N	6.47	1.42	1.33
2	2N	216	ASN	C-O	-6.47	1.16	1.24
2	23	216	ASN	C-O	-6.47	1.16	1.24
2	3B	30	PRO	C-N	6.47	1.42	1.33
2	3J	30	PRO	C-N	6.47	1.42	1.33
2	3N	216	ASN	C-O	-6.47	1.16	1.24
2	3R	216	ASN	C-O	-6.47	1.16	1.24
2	3V	216	ASN	C-O	-6.47	1.16	1.24
2	3Z	216	ASN	C-O	-6.47	1.16	1.24
2	33	30	PRO	C-N	6.47	1.42	1.33
2	37	216	ASN	C-O	-6.47	1.16	1.24
2	4F	30	PRO	C-N	6.47	1.42	1.33
2	4J	216	ASN	C-O	-6.47	1.16	1.24
2	4R	216	ASN	C-O	-6.47	1.16	1.24
2	4Z	30	PRO	C-N	6.47	1.42	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5F	216	ASN	C-O	-6.47	1.16	1.24
2	5J	216	ASN	C-O	-6.47	1.16	1.24
2	5N	216	ASN	C-O	-6.47	1.16	1.24
2	5V	30	PRO	C-N	6.47	1.42	1.33
2	5Z	216	ASN	C-O	-6.47	1.16	1.24
2	6F	216	ASN	C-O	-6.47	1.16	1.24
2	6N	30	PRO	C-N	6.47	1.42	1.33
2	6V	30	PRO	C-N	6.47	1.42	1.33
2	6Z	216	ASN	C-O	-6.47	1.16	1.24
2	63	216	ASN	C-O	-6.47	1.16	1.24
2	67	216	ASN	C-O	-6.47	1.16	1.24
2	7B	216	ASN	C-O	-6.47	1.16	1.24
2	7F	30	PRO	C-N	6.47	1.42	1.33
2	7J	216	ASN	C-O	-6.47	1.16	1.24
2	7R	30	PRO	C-N	6.47	1.42	1.33
2	7V	216	ASN	C-O	-6.47	1.16	1.24
1	1E	20	GLU	CB-CG	6.47	1.71	1.52
1	2M	20	GLU	CB-CG	6.47	1.71	1.52
1	22	20	GLU	CB-CG	6.47	1.71	1.52
1	3M	20	GLU	CB-CG	6.47	1.71	1.52
1	36	20	GLU	CB-CG	6.47	1.71	1.52
1	4I	20	GLU	CB-CG	6.47	1.71	1.52
1	4Q	20	GLU	CB-CG	6.47	1.71	1.52
1	5Y	20	GLU	CB-CG	6.47	1.71	1.52
1	6E	20	GLU	CB-CG	6.47	1.71	1.52
1	6Y	20	GLU	CB-CG	6.47	1.71	1.52
1	7I	20	GLU	CB-CG	6.47	1.71	1.52
1	7U	20	GLU	CB-CG	6.47	1.71	1.52
2	1R	36	SER	C-O	-6.47	1.15	1.24
2	1V	36	SER	C-O	-6.47	1.15	1.24
2	1Z	36	SER	C-O	-6.47	1.15	1.24
2	2R	36	SER	C-O	-6.47	1.15	1.24
2	2V	36	SER	C-O	-6.47	1.15	1.24
2	2Z	36	SER	C-O	-6.47	1.15	1.24
2	43	36	SER	C-O	-6.47	1.15	1.24
2	47	36	SER	C-O	-6.47	1.15	1.24
2	5B	36	SER	C-O	-6.47	1.15	1.24
2	53	36	SER	C-O	-6.47	1.15	1.24
2	57	36	SER	C-O	-6.47	1.15	1.24
2	6B	36	SER	C-O	-6.47	1.15	1.24
1	1Q	23	GLY	C-N	6.46	1.42	1.33
1	1U	23	GLY	C-N	6.46	1.42	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	23	GLY	C-N	6.46	1.42	1.33
1	2Q	23	GLY	C-N	6.46	1.42	1.33
1	2U	23	GLY	C-N	6.46	1.42	1.33
1	2Y	23	GLY	C-N	6.46	1.42	1.33
1	42	23	GLY	C-N	6.46	1.42	1.33
1	46	23	GLY	C-N	6.46	1.42	1.33
1	5A	23	GLY	C-N	6.46	1.42	1.33
1	52	23	GLY	C-N	6.46	1.42	1.33
1	56	23	GLY	C-N	6.46	1.42	1.33
1	6A	23	GLY	C-N	6.46	1.42	1.33
2	13	47	ASP	C-O	6.46	1.32	1.23
2	17	47	ASP	C-O	6.46	1.32	1.23
2	2B	47	ASP	C-O	6.46	1.32	1.23
2	3R	47	ASP	C-O	6.46	1.32	1.23
2	3V	47	ASP	C-O	6.46	1.32	1.23
2	3Z	47	ASP	C-O	6.46	1.32	1.23
2	5F	47	ASP	C-O	6.46	1.32	1.23
2	5J	47	ASP	C-O	6.46	1.32	1.23
2	5N	47	ASP	C-O	6.46	1.32	1.23
2	63	47	ASP	C-O	6.46	1.32	1.23
2	67	47	ASP	C-O	6.46	1.32	1.23
2	7B	47	ASP	C-O	6.46	1.32	1.23
2	1F	224	VAL	CB-CG1	6.46	1.73	1.52
1	1M	20	GLU	CB-CG	6.46	1.71	1.52
2	1R	224	VAL	CB-CG1	6.46	1.73	1.52
2	1V	224	VAL	CB-CG1	6.46	1.73	1.52
2	1Z	224	VAL	CB-CG1	6.46	1.73	1.52
1	2I	20	GLU	CB-CG	6.46	1.71	1.52
2	2N	224	VAL	CB-CG1	6.46	1.73	1.52
2	2R	224	VAL	CB-CG1	6.46	1.73	1.52
2	2V	224	VAL	CB-CG1	6.46	1.73	1.52
2	2Z	224	VAL	CB-CG1	6.46	1.73	1.52
2	23	224	VAL	CB-CG1	6.46	1.73	1.52
1	3A	20	GLU	CB-CG	6.46	1.71	1.52
1	3I	20	GLU	CB-CG	6.46	1.71	1.52
2	3N	224	VAL	CB-CG1	6.46	1.73	1.52
1	32	20	GLU	CB-CG	6.46	1.71	1.52
2	37	224	VAL	CB-CG1	6.46	1.73	1.52
1	4E	20	GLU	CB-CG	6.46	1.71	1.52
2	4J	224	VAL	CB-CG1	6.46	1.73	1.52
2	4R	224	VAL	CB-CG1	6.46	1.73	1.52
1	4Y	20	GLU	CB-CG	6.46	1.71	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	43	224	VAL	CB-CG1	6.46	1.73	1.52
2	47	224	VAL	CB-CG1	6.46	1.73	1.52
2	5B	224	VAL	CB-CG1	6.46	1.73	1.52
1	5U	20	GLU	CB-CG	6.46	1.71	1.52
2	5Z	224	VAL	CB-CG1	6.46	1.73	1.52
2	53	224	VAL	CB-CG1	6.46	1.73	1.52
2	57	224	VAL	CB-CG1	6.46	1.73	1.52
2	6B	224	VAL	CB-CG1	6.46	1.73	1.52
2	6F	224	VAL	CB-CG1	6.46	1.73	1.52
1	6M	20	GLU	CB-CG	6.46	1.71	1.52
1	6U	20	GLU	CB-CG	6.46	1.71	1.52
2	6Z	224	VAL	CB-CG1	6.46	1.73	1.52
1	7E	20	GLU	CB-CG	6.46	1.71	1.52
2	7J	224	VAL	CB-CG1	6.46	1.73	1.52
1	7Q	20	GLU	CB-CG	6.46	1.71	1.52
2	7V	224	VAL	CB-CG1	6.46	1.73	1.52
2	1B	30	PRO	C-N	6.46	1.42	1.33
2	1J	30	PRO	C-N	6.46	1.42	1.33
2	2F	30	PRO	C-N	6.46	1.42	1.33
2	27	30	PRO	C-N	6.46	1.42	1.33
2	3F	30	PRO	C-N	6.46	1.42	1.33
2	4B	30	PRO	C-N	6.46	1.42	1.33
2	4N	30	PRO	C-N	6.46	1.42	1.33
2	4V	30	PRO	C-N	6.46	1.42	1.33
2	5R	30	PRO	C-N	6.46	1.42	1.33
2	6J	30	PRO	C-N	6.46	1.42	1.33
2	6R	30	PRO	C-N	6.46	1.42	1.33
2	7N	30	PRO	C-N	6.46	1.42	1.33
2	1N	224	VAL	CB-CG1	6.46	1.73	1.52
2	13	224	VAL	CB-CG1	6.46	1.73	1.52
2	17	224	VAL	CB-CG1	6.46	1.73	1.52
2	2B	224	VAL	CB-CG1	6.46	1.73	1.52
2	2J	224	VAL	CB-CG1	6.46	1.73	1.52
2	3B	224	VAL	CB-CG1	6.46	1.73	1.52
2	3J	224	VAL	CB-CG1	6.46	1.73	1.52
2	3R	224	VAL	CB-CG1	6.46	1.73	1.52
2	3V	224	VAL	CB-CG1	6.46	1.73	1.52
2	3Z	224	VAL	CB-CG1	6.46	1.73	1.52
2	33	224	VAL	CB-CG1	6.46	1.73	1.52
2	4F	224	VAL	CB-CG1	6.46	1.73	1.52
2	4Z	224	VAL	CB-CG1	6.46	1.73	1.52
2	5F	224	VAL	CB-CG1	6.46	1.73	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5J	224	VAL	CB-CG1	6.46	1.73	1.52
2	5N	224	VAL	CB-CG1	6.46	1.73	1.52
2	5V	224	VAL	CB-CG1	6.46	1.73	1.52
2	6N	224	VAL	CB-CG1	6.46	1.73	1.52
2	6V	224	VAL	CB-CG1	6.46	1.73	1.52
2	63	224	VAL	CB-CG1	6.46	1.73	1.52
2	67	224	VAL	CB-CG1	6.46	1.73	1.52
2	7B	224	VAL	CB-CG1	6.46	1.73	1.52
2	7F	224	VAL	CB-CG1	6.46	1.73	1.52
2	7R	224	VAL	CB-CG1	6.46	1.73	1.52
2	1B	224	VAL	CB-CG1	6.46	1.73	1.52
2	1J	224	VAL	CB-CG1	6.46	1.73	1.52
1	1Q	20	GLU	CB-CG	6.46	1.71	1.52
2	1R	30	PRO	C-O	-6.46	1.15	1.24
1	1U	20	GLU	CB-CG	6.46	1.71	1.52
2	1V	30	PRO	C-O	-6.46	1.15	1.24
1	1Y	20	GLU	CB-CG	6.46	1.71	1.52
2	1Z	30	PRO	C-O	-6.46	1.15	1.24
2	2F	224	VAL	CB-CG1	6.46	1.73	1.52
1	2Q	20	GLU	CB-CG	6.46	1.71	1.52
2	2R	30	PRO	C-O	-6.46	1.15	1.24
1	2U	20	GLU	CB-CG	6.46	1.71	1.52
2	2V	30	PRO	C-O	-6.46	1.15	1.24
1	2Y	20	GLU	CB-CG	6.46	1.71	1.52
2	2Z	30	PRO	C-O	-6.46	1.15	1.24
2	27	224	VAL	CB-CG1	6.46	1.73	1.52
2	3F	224	VAL	CB-CG1	6.46	1.73	1.52
2	4B	224	VAL	CB-CG1	6.46	1.73	1.52
2	4N	224	VAL	CB-CG1	6.46	1.73	1.52
2	4V	224	VAL	CB-CG1	6.46	1.73	1.52
1	42	20	GLU	CB-CG	6.46	1.71	1.52
2	43	30	PRO	C-O	-6.46	1.15	1.24
1	46	20	GLU	CB-CG	6.46	1.71	1.52
2	47	30	PRO	C-O	-6.46	1.15	1.24
1	5A	20	GLU	CB-CG	6.46	1.71	1.52
2	5B	30	PRO	C-O	-6.46	1.15	1.24
2	5R	224	VAL	CB-CG1	6.46	1.73	1.52
1	52	20	GLU	CB-CG	6.46	1.71	1.52
2	53	30	PRO	C-O	-6.46	1.15	1.24
1	56	20	GLU	CB-CG	6.46	1.71	1.52
2	57	30	PRO	C-O	-6.46	1.15	1.24
1	6A	20	GLU	CB-CG	6.46	1.71	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	30	PRO	C-O	-6.46	1.15	1.24
2	6J	224	VAL	CB-CG1	6.46	1.73	1.52
2	6R	224	VAL	CB-CG1	6.46	1.73	1.52
2	7N	224	VAL	CB-CG1	6.46	1.73	1.52
1	1E	23	GLY	C-N	6.45	1.42	1.33
1	2M	23	GLY	C-N	6.45	1.42	1.33
1	22	23	GLY	C-N	6.45	1.42	1.33
1	3M	23	GLY	C-N	6.45	1.42	1.33
1	36	23	GLY	C-N	6.45	1.42	1.33
1	4I	23	GLY	C-N	6.45	1.42	1.33
1	4Q	23	GLY	C-N	6.45	1.42	1.33
1	5Y	23	GLY	C-N	6.45	1.42	1.33
1	6E	23	GLY	C-N	6.45	1.42	1.33
1	6Y	23	GLY	C-N	6.45	1.42	1.33
1	7I	23	GLY	C-N	6.45	1.42	1.33
1	7U	23	GLY	C-N	6.45	1.42	1.33
2	1R	30	PRO	C-N	6.45	1.42	1.33
2	1V	30	PRO	C-N	6.45	1.42	1.33
2	1Z	30	PRO	C-N	6.45	1.42	1.33
2	13	30	PRO	C-N	6.45	1.42	1.33
2	17	30	PRO	C-N	6.45	1.42	1.33
2	2B	30	PRO	C-N	6.45	1.42	1.33
2	2R	30	PRO	C-N	6.45	1.42	1.33
2	2V	30	PRO	C-N	6.45	1.42	1.33
2	2Z	30	PRO	C-N	6.45	1.42	1.33
2	3R	30	PRO	C-N	6.45	1.42	1.33
2	3V	30	PRO	C-N	6.45	1.42	1.33
2	3Z	30	PRO	C-N	6.45	1.42	1.33
2	43	30	PRO	C-N	6.45	1.42	1.33
2	47	30	PRO	C-N	6.45	1.42	1.33
2	5B	30	PRO	C-N	6.45	1.42	1.33
2	5F	30	PRO	C-N	6.45	1.42	1.33
2	5J	30	PRO	C-N	6.45	1.42	1.33
2	5N	30	PRO	C-N	6.45	1.42	1.33
2	53	30	PRO	C-N	6.45	1.42	1.33
2	57	30	PRO	C-N	6.45	1.42	1.33
2	6B	30	PRO	C-N	6.45	1.42	1.33
2	63	30	PRO	C-N	6.45	1.42	1.33
2	67	30	PRO	C-N	6.45	1.42	1.33
2	7B	30	PRO	C-N	6.45	1.42	1.33
2	1F	10	GLN	CA-CB	6.45	1.64	1.53
2	2N	10	GLN	CA-CB	6.45	1.64	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	10	GLN	CA-CB	6.45	1.64	1.53
2	3N	10	GLN	CA-CB	6.45	1.64	1.53
2	37	10	GLN	CA-CB	6.45	1.64	1.53
2	4J	10	GLN	CA-CB	6.45	1.64	1.53
2	4R	10	GLN	CA-CB	6.45	1.64	1.53
2	5Z	10	GLN	CA-CB	6.45	1.64	1.53
2	6F	10	GLN	CA-CB	6.45	1.64	1.53
2	6Z	10	GLN	CA-CB	6.45	1.64	1.53
2	7J	10	GLN	CA-CB	6.45	1.64	1.53
2	7V	10	GLN	CA-CB	6.45	1.64	1.53
2	1B	10	GLN	CA-CB	6.45	1.64	1.53
2	1F	30	PRO	C-N	6.45	1.42	1.33
2	1J	10	GLN	CA-CB	6.45	1.64	1.53
2	1N	10	GLN	CA-CB	6.45	1.64	1.53
2	2F	10	GLN	CA-CB	6.45	1.64	1.53
2	2J	10	GLN	CA-CB	6.45	1.64	1.53
2	2N	30	PRO	C-N	6.45	1.42	1.33
2	23	30	PRO	C-N	6.45	1.42	1.33
2	27	10	GLN	CA-CB	6.45	1.64	1.53
2	3B	10	GLN	CA-CB	6.45	1.64	1.53
2	3F	10	GLN	CA-CB	6.45	1.64	1.53
2	3J	10	GLN	CA-CB	6.45	1.64	1.53
2	3N	30	PRO	C-N	6.45	1.42	1.33
2	33	10	GLN	CA-CB	6.45	1.64	1.53
2	37	30	PRO	C-N	6.45	1.42	1.33
2	4B	10	GLN	CA-CB	6.45	1.64	1.53
2	4F	10	GLN	CA-CB	6.45	1.64	1.53
2	4J	30	PRO	C-N	6.45	1.42	1.33
2	4N	10	GLN	CA-CB	6.45	1.64	1.53
2	4R	30	PRO	C-N	6.45	1.42	1.33
2	4V	10	GLN	CA-CB	6.45	1.64	1.53
2	4Z	10	GLN	CA-CB	6.45	1.64	1.53
2	5R	10	GLN	CA-CB	6.45	1.64	1.53
2	5V	10	GLN	CA-CB	6.45	1.64	1.53
2	5Z	30	PRO	C-N	6.45	1.42	1.33
2	6F	30	PRO	C-N	6.45	1.42	1.33
2	6J	10	GLN	CA-CB	6.45	1.64	1.53
2	6N	10	GLN	CA-CB	6.45	1.64	1.53
2	6R	10	GLN	CA-CB	6.45	1.64	1.53
2	6V	10	GLN	CA-CB	6.45	1.64	1.53
2	6Z	30	PRO	C-N	6.45	1.42	1.33
2	7F	10	GLN	CA-CB	6.45	1.64	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	7J	30	PRO	C-N	6.45	1.42	1.33
2	7N	10	GLN	CA-CB	6.45	1.64	1.53
2	7R	10	GLN	CA-CB	6.45	1.64	1.53
2	7V	30	PRO	C-N	6.45	1.42	1.33
1	12	23	GLY	C-N	6.44	1.42	1.33
1	16	23	GLY	C-N	6.44	1.42	1.33
1	2A	23	GLY	C-N	6.44	1.42	1.33
1	3Q	23	GLY	C-N	6.44	1.42	1.33
1	3U	23	GLY	C-N	6.44	1.42	1.33
1	3Y	23	GLY	C-N	6.44	1.42	1.33
1	5E	23	GLY	C-N	6.44	1.42	1.33
1	5I	23	GLY	C-N	6.44	1.42	1.33
1	5M	23	GLY	C-N	6.44	1.42	1.33
1	62	23	GLY	C-N	6.44	1.42	1.33
1	66	23	GLY	C-N	6.44	1.42	1.33
1	7A	23	GLY	C-N	6.44	1.42	1.33
1	1M	23	GLY	C-N	6.44	1.42	1.33
1	2I	23	GLY	C-N	6.44	1.42	1.33
1	3A	23	GLY	C-N	6.44	1.42	1.33
1	3I	23	GLY	C-N	6.44	1.42	1.33
1	32	23	GLY	C-N	6.44	1.42	1.33
1	4E	23	GLY	C-N	6.44	1.42	1.33
1	4Y	23	GLY	C-N	6.44	1.42	1.33
1	5U	23	GLY	C-N	6.44	1.42	1.33
1	6M	23	GLY	C-N	6.44	1.42	1.33
1	6U	23	GLY	C-N	6.44	1.42	1.33
1	7E	23	GLY	C-N	6.44	1.42	1.33
1	7Q	23	GLY	C-N	6.44	1.42	1.33
2	13	56	SER	CB-OG	6.42	1.54	1.42
2	17	56	SER	CB-OG	6.42	1.54	1.42
2	2B	56	SER	CB-OG	6.42	1.54	1.42
2	3R	56	SER	CB-OG	6.42	1.54	1.42
2	3V	56	SER	CB-OG	6.42	1.54	1.42
2	3Z	56	SER	CB-OG	6.42	1.54	1.42
2	5F	56	SER	CB-OG	6.42	1.54	1.42
2	5J	56	SER	CB-OG	6.42	1.54	1.42
2	5N	56	SER	CB-OG	6.42	1.54	1.42
2	63	56	SER	CB-OG	6.42	1.54	1.42
2	67	56	SER	CB-OG	6.42	1.54	1.42
2	7B	56	SER	CB-OG	6.42	1.54	1.42
1	1A	155	PRO	CB-CG	6.42	1.81	1.49
1	1I	155	PRO	CB-CG	6.42	1.81	1.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	155	PRO	CB-CG	6.42	1.81	1.49
1	26	155	PRO	CB-CG	6.42	1.81	1.49
1	3E	155	PRO	CB-CG	6.42	1.81	1.49
1	4A	155	PRO	CB-CG	6.42	1.81	1.49
1	4M	155	PRO	CB-CG	6.42	1.81	1.49
1	4U	155	PRO	CB-CG	6.42	1.81	1.49
1	5Q	155	PRO	CB-CG	6.42	1.81	1.49
1	6I	155	PRO	CB-CG	6.42	1.81	1.49
1	6Q	155	PRO	CB-CG	6.42	1.81	1.49
1	7M	155	PRO	CB-CG	6.42	1.81	1.49
1	1Q	155	PRO	CB-CG	6.41	1.81	1.49
1	1U	155	PRO	CB-CG	6.41	1.81	1.49
1	1Y	155	PRO	CB-CG	6.41	1.81	1.49
1	2Q	155	PRO	CB-CG	6.41	1.81	1.49
1	2U	155	PRO	CB-CG	6.41	1.81	1.49
1	2Y	155	PRO	CB-CG	6.41	1.81	1.49
1	42	155	PRO	CB-CG	6.41	1.81	1.49
1	46	155	PRO	CB-CG	6.41	1.81	1.49
1	5A	155	PRO	CB-CG	6.41	1.81	1.49
1	52	155	PRO	CB-CG	6.41	1.81	1.49
1	56	155	PRO	CB-CG	6.41	1.81	1.49
1	6A	155	PRO	CB-CG	6.41	1.81	1.49
2	1B	56	SER	CB-OG	6.41	1.54	1.42
2	1J	56	SER	CB-OG	6.41	1.54	1.42
2	2F	56	SER	CB-OG	6.41	1.54	1.42
2	27	56	SER	CB-OG	6.41	1.54	1.42
2	3F	56	SER	CB-OG	6.41	1.54	1.42
2	4B	56	SER	CB-OG	6.41	1.54	1.42
2	4N	56	SER	CB-OG	6.41	1.54	1.42
2	4V	56	SER	CB-OG	6.41	1.54	1.42
2	5R	56	SER	CB-OG	6.41	1.54	1.42
2	6J	56	SER	CB-OG	6.41	1.54	1.42
2	6R	56	SER	CB-OG	6.41	1.54	1.42
2	7N	56	SER	CB-OG	6.41	1.54	1.42
2	1N	56	SER	CB-OG	6.41	1.54	1.42
2	2J	56	SER	CB-OG	6.41	1.54	1.42
2	3B	56	SER	CB-OG	6.41	1.54	1.42
2	3J	56	SER	CB-OG	6.41	1.54	1.42
2	33	56	SER	CB-OG	6.41	1.54	1.42
2	4F	56	SER	CB-OG	6.41	1.54	1.42
2	4Z	56	SER	CB-OG	6.41	1.54	1.42
2	5V	56	SER	CB-OG	6.41	1.54	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	56	SER	CB-OG	6.41	1.54	1.42
2	6V	56	SER	CB-OG	6.41	1.54	1.42
2	7F	56	SER	CB-OG	6.41	1.54	1.42
2	7R	56	SER	CB-OG	6.41	1.54	1.42
1	1M	51	LEU	CG-CD1	6.41	1.73	1.52
1	12	155	PRO	CB-CG	6.41	1.81	1.49
1	16	155	PRO	CB-CG	6.41	1.81	1.49
1	2A	155	PRO	CB-CG	6.41	1.81	1.49
1	2I	51	LEU	CG-CD1	6.41	1.73	1.52
1	3A	51	LEU	CG-CD1	6.41	1.73	1.52
1	3I	51	LEU	CG-CD1	6.41	1.73	1.52
1	3Q	155	PRO	CB-CG	6.41	1.81	1.49
1	3U	155	PRO	CB-CG	6.41	1.81	1.49
1	3Y	155	PRO	CB-CG	6.41	1.81	1.49
1	32	51	LEU	CG-CD1	6.41	1.73	1.52
1	4E	51	LEU	CG-CD1	6.41	1.73	1.52
1	4Y	51	LEU	CG-CD1	6.41	1.73	1.52
1	5E	155	PRO	CB-CG	6.41	1.81	1.49
1	5I	155	PRO	CB-CG	6.41	1.81	1.49
1	5M	155	PRO	CB-CG	6.41	1.81	1.49
1	5U	51	LEU	CG-CD1	6.41	1.73	1.52
1	6M	51	LEU	CG-CD1	6.41	1.73	1.52
1	6U	51	LEU	CG-CD1	6.41	1.73	1.52
1	62	155	PRO	CB-CG	6.41	1.81	1.49
1	66	155	PRO	CB-CG	6.41	1.81	1.49
1	7A	155	PRO	CB-CG	6.41	1.81	1.49
1	7E	51	LEU	CG-CD1	6.41	1.73	1.52
1	7Q	51	LEU	CG-CD1	6.41	1.73	1.52
2	1R	56	SER	CB-OG	6.41	1.54	1.42
2	1V	56	SER	CB-OG	6.41	1.54	1.42
2	1Z	56	SER	CB-OG	6.41	1.54	1.42
2	2R	56	SER	CB-OG	6.41	1.54	1.42
2	2V	56	SER	CB-OG	6.41	1.54	1.42
2	2Z	56	SER	CB-OG	6.41	1.54	1.42
2	43	56	SER	CB-OG	6.41	1.54	1.42
2	47	56	SER	CB-OG	6.41	1.54	1.42
2	5B	56	SER	CB-OG	6.41	1.54	1.42
2	53	56	SER	CB-OG	6.41	1.54	1.42
2	57	56	SER	CB-OG	6.41	1.54	1.42
2	6B	56	SER	CB-OG	6.41	1.54	1.42
1	1M	155	PRO	CB-CG	6.41	1.81	1.49
2	1R	10	GLN	CA-CB	6.41	1.64	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1V	10	GLN	CA-CB	6.41	1.64	1.53
2	1Z	10	GLN	CA-CB	6.41	1.64	1.53
1	2I	155	PRO	CB-CG	6.41	1.81	1.49
2	2R	10	GLN	CA-CB	6.41	1.64	1.53
2	2V	10	GLN	CA-CB	6.41	1.64	1.53
2	2Z	10	GLN	CA-CB	6.41	1.64	1.53
1	3A	155	PRO	CB-CG	6.41	1.81	1.49
1	3I	155	PRO	CB-CG	6.41	1.81	1.49
1	32	155	PRO	CB-CG	6.41	1.81	1.49
1	4E	155	PRO	CB-CG	6.41	1.81	1.49
1	4Y	155	PRO	CB-CG	6.41	1.81	1.49
2	43	10	GLN	CA-CB	6.41	1.64	1.53
2	47	10	GLN	CA-CB	6.41	1.64	1.53
2	5B	10	GLN	CA-CB	6.41	1.64	1.53
1	5U	155	PRO	CB-CG	6.41	1.81	1.49
2	53	10	GLN	CA-CB	6.41	1.64	1.53
2	57	10	GLN	CA-CB	6.41	1.64	1.53
2	6B	10	GLN	CA-CB	6.41	1.64	1.53
1	6M	155	PRO	CB-CG	6.41	1.81	1.49
1	6U	155	PRO	CB-CG	6.41	1.81	1.49
1	7E	155	PRO	CB-CG	6.41	1.81	1.49
1	7Q	155	PRO	CB-CG	6.41	1.81	1.49
1	1E	155	PRO	CB-CG	6.40	1.81	1.49
1	2M	155	PRO	CB-CG	6.40	1.81	1.49
1	22	155	PRO	CB-CG	6.40	1.81	1.49
1	3M	155	PRO	CB-CG	6.40	1.81	1.49
1	36	155	PRO	CB-CG	6.40	1.81	1.49
1	4I	155	PRO	CB-CG	6.40	1.81	1.49
1	4Q	155	PRO	CB-CG	6.40	1.81	1.49
1	5Y	155	PRO	CB-CG	6.40	1.81	1.49
1	6E	155	PRO	CB-CG	6.40	1.81	1.49
1	6Y	155	PRO	CB-CG	6.40	1.81	1.49
1	7I	155	PRO	CB-CG	6.40	1.81	1.49
1	7U	155	PRO	CB-CG	6.40	1.81	1.49
1	1A	51	LEU	CG-CD1	6.40	1.73	1.52
2	1B	216	ASN	CG-ND2	6.40	1.46	1.33
1	1I	51	LEU	CG-CD1	6.40	1.73	1.52
2	1J	216	ASN	CG-ND2	6.40	1.46	1.33
2	13	10	GLN	CA-CB	6.40	1.64	1.53
2	17	10	GLN	CA-CB	6.40	1.64	1.53
2	2B	10	GLN	CA-CB	6.40	1.64	1.53
1	2E	51	LEU	CG-CD1	6.40	1.73	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	216	ASN	CG-ND2	6.40	1.46	1.33
1	26	51	LEU	CG-CD1	6.40	1.73	1.52
2	27	216	ASN	CG-ND2	6.40	1.46	1.33
1	3E	51	LEU	CG-CD1	6.40	1.73	1.52
2	3F	216	ASN	CG-ND2	6.40	1.46	1.33
2	3R	10	GLN	CA-CB	6.40	1.64	1.53
2	3V	10	GLN	CA-CB	6.40	1.64	1.53
2	3Z	10	GLN	CA-CB	6.40	1.64	1.53
1	4A	51	LEU	CG-CD1	6.40	1.73	1.52
2	4B	216	ASN	CG-ND2	6.40	1.46	1.33
1	4M	51	LEU	CG-CD1	6.40	1.73	1.52
2	4N	216	ASN	CG-ND2	6.40	1.46	1.33
1	4U	51	LEU	CG-CD1	6.40	1.73	1.52
2	4V	216	ASN	CG-ND2	6.40	1.46	1.33
2	5F	10	GLN	CA-CB	6.40	1.64	1.53
2	5J	10	GLN	CA-CB	6.40	1.64	1.53
2	5N	10	GLN	CA-CB	6.40	1.64	1.53
1	5Q	51	LEU	CG-CD1	6.40	1.73	1.52
2	5R	216	ASN	CG-ND2	6.40	1.46	1.33
1	6I	51	LEU	CG-CD1	6.40	1.73	1.52
2	6J	216	ASN	CG-ND2	6.40	1.46	1.33
1	6Q	51	LEU	CG-CD1	6.40	1.73	1.52
2	6R	216	ASN	CG-ND2	6.40	1.46	1.33
2	63	10	GLN	CA-CB	6.40	1.64	1.53
2	67	10	GLN	CA-CB	6.40	1.64	1.53
2	7B	10	GLN	CA-CB	6.40	1.64	1.53
1	7M	51	LEU	CG-CD1	6.40	1.73	1.52
2	7N	216	ASN	CG-ND2	6.40	1.46	1.33
1	1A	9	PHE	CG-CD1	6.39	1.52	1.38
1	1E	51	LEU	CG-CD1	6.39	1.73	1.52
1	1I	9	PHE	CG-CD1	6.39	1.52	1.38
2	1N	6	LYS	CD-CE	6.39	1.71	1.52
1	2E	9	PHE	CG-CD1	6.39	1.52	1.38
2	2J	6	LYS	CD-CE	6.39	1.71	1.52
1	2M	51	LEU	CG-CD1	6.39	1.73	1.52
1	22	51	LEU	CG-CD1	6.39	1.73	1.52
1	26	9	PHE	CG-CD1	6.39	1.52	1.38
2	3B	6	LYS	CD-CE	6.39	1.71	1.52
1	3E	9	PHE	CG-CD1	6.39	1.52	1.38
2	3J	6	LYS	CD-CE	6.39	1.71	1.52
1	3M	51	LEU	CG-CD1	6.39	1.73	1.52
2	33	6	LYS	CD-CE	6.39	1.71	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	36	51	LEU	CG-CD1	6.39	1.73	1.52
1	4A	9	PHE	CG-CD1	6.39	1.52	1.38
2	4F	6	LYS	CD-CE	6.39	1.71	1.52
1	4I	51	LEU	CG-CD1	6.39	1.73	1.52
1	4M	9	PHE	CG-CD1	6.39	1.52	1.38
1	4Q	51	LEU	CG-CD1	6.39	1.73	1.52
1	4U	9	PHE	CG-CD1	6.39	1.52	1.38
2	4Z	6	LYS	CD-CE	6.39	1.71	1.52
1	5Q	9	PHE	CG-CD1	6.39	1.52	1.38
2	5V	6	LYS	CD-CE	6.39	1.71	1.52
1	5Y	51	LEU	CG-CD1	6.39	1.73	1.52
1	6E	51	LEU	CG-CD1	6.39	1.73	1.52
1	6I	9	PHE	CG-CD1	6.39	1.52	1.38
2	6N	6	LYS	CD-CE	6.39	1.71	1.52
1	6Q	9	PHE	CG-CD1	6.39	1.52	1.38
2	6V	6	LYS	CD-CE	6.39	1.71	1.52
1	6Y	51	LEU	CG-CD1	6.39	1.73	1.52
2	7F	6	LYS	CD-CE	6.39	1.71	1.52
1	7I	51	LEU	CG-CD1	6.39	1.73	1.52
1	7M	9	PHE	CG-CD1	6.39	1.52	1.38
2	7R	6	LYS	CD-CE	6.39	1.71	1.52
1	7U	51	LEU	CG-CD1	6.39	1.73	1.52
2	1R	216	ASN	CG-ND2	6.39	1.46	1.33
2	1V	216	ASN	CG-ND2	6.39	1.46	1.33
2	1Z	216	ASN	CG-ND2	6.39	1.46	1.33
2	13	6	LYS	CD-CE	6.39	1.71	1.52
2	17	6	LYS	CD-CE	6.39	1.71	1.52
2	2B	6	LYS	CD-CE	6.39	1.71	1.52
2	2R	216	ASN	CG-ND2	6.39	1.46	1.33
2	2V	216	ASN	CG-ND2	6.39	1.46	1.33
2	2Z	216	ASN	CG-ND2	6.39	1.46	1.33
2	3R	6	LYS	CD-CE	6.39	1.71	1.52
2	3V	6	LYS	CD-CE	6.39	1.71	1.52
2	3Z	6	LYS	CD-CE	6.39	1.71	1.52
2	43	216	ASN	CG-ND2	6.39	1.46	1.33
2	47	216	ASN	CG-ND2	6.39	1.46	1.33
2	5B	216	ASN	CG-ND2	6.39	1.46	1.33
2	5F	6	LYS	CD-CE	6.39	1.71	1.52
2	5J	6	LYS	CD-CE	6.39	1.71	1.52
2	5N	6	LYS	CD-CE	6.39	1.71	1.52
2	53	216	ASN	CG-ND2	6.39	1.46	1.33
2	57	216	ASN	CG-ND2	6.39	1.46	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	216	ASN	CG-ND2	6.39	1.46	1.33
2	63	6	LYS	CD-CE	6.39	1.71	1.52
2	67	6	LYS	CD-CE	6.39	1.71	1.52
2	7B	6	LYS	CD-CE	6.39	1.71	1.52
2	1N	216	ASN	CG-ND2	6.39	1.46	1.33
2	2J	216	ASN	CG-ND2	6.39	1.46	1.33
2	3B	216	ASN	CG-ND2	6.39	1.46	1.33
2	3J	216	ASN	CG-ND2	6.39	1.46	1.33
2	33	216	ASN	CG-ND2	6.39	1.46	1.33
2	4F	216	ASN	CG-ND2	6.39	1.46	1.33
2	4Z	216	ASN	CG-ND2	6.39	1.46	1.33
2	5V	216	ASN	CG-ND2	6.39	1.46	1.33
2	6N	216	ASN	CG-ND2	6.39	1.46	1.33
2	6V	216	ASN	CG-ND2	6.39	1.46	1.33
2	7F	216	ASN	CG-ND2	6.39	1.46	1.33
2	7R	216	ASN	CG-ND2	6.39	1.46	1.33
1	1Q	51	LEU	CG-CD1	6.39	1.73	1.52
1	1U	51	LEU	CG-CD1	6.39	1.73	1.52
1	1Y	51	LEU	CG-CD1	6.39	1.73	1.52
1	2Q	51	LEU	CG-CD1	6.39	1.73	1.52
1	2U	51	LEU	CG-CD1	6.39	1.73	1.52
1	2Y	51	LEU	CG-CD1	6.39	1.73	1.52
1	42	51	LEU	CG-CD1	6.39	1.73	1.52
1	46	51	LEU	CG-CD1	6.39	1.73	1.52
1	5A	51	LEU	CG-CD1	6.39	1.73	1.52
1	52	51	LEU	CG-CD1	6.39	1.73	1.52
1	56	51	LEU	CG-CD1	6.39	1.73	1.52
1	6A	51	LEU	CG-CD1	6.39	1.73	1.52
1	12	9	PHE	CG-CD1	6.38	1.52	1.38
1	16	9	PHE	CG-CD1	6.38	1.52	1.38
1	2A	9	PHE	CG-CD1	6.38	1.52	1.38
1	3Q	9	PHE	CG-CD1	6.38	1.52	1.38
1	3U	9	PHE	CG-CD1	6.38	1.52	1.38
1	3Y	9	PHE	CG-CD1	6.38	1.52	1.38
1	5E	9	PHE	CG-CD1	6.38	1.52	1.38
1	5I	9	PHE	CG-CD1	6.38	1.52	1.38
1	5M	9	PHE	CG-CD1	6.38	1.52	1.38
1	62	9	PHE	CG-CD1	6.38	1.52	1.38
1	66	9	PHE	CG-CD1	6.38	1.52	1.38
1	7A	9	PHE	CG-CD1	6.38	1.52	1.38
1	1M	9	PHE	CG-CD1	6.38	1.52	1.38
1	2I	9	PHE	CG-CD1	6.38	1.52	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	9	PHE	CG-CD1	6.38	1.52	1.38
1	3I	9	PHE	CG-CD1	6.38	1.52	1.38
1	32	9	PHE	CG-CD1	6.38	1.52	1.38
1	4E	9	PHE	CG-CD1	6.38	1.52	1.38
1	4Y	9	PHE	CG-CD1	6.38	1.52	1.38
1	5U	9	PHE	CG-CD1	6.38	1.52	1.38
1	6M	9	PHE	CG-CD1	6.38	1.52	1.38
1	6U	9	PHE	CG-CD1	6.38	1.52	1.38
1	7E	9	PHE	CG-CD1	6.38	1.52	1.38
1	7Q	9	PHE	CG-CD1	6.38	1.52	1.38
2	1F	216	ASN	CG-ND2	6.38	1.46	1.33
2	13	216	ASN	CG-ND2	6.38	1.46	1.33
2	17	216	ASN	CG-ND2	6.38	1.46	1.33
2	2B	216	ASN	CG-ND2	6.38	1.46	1.33
2	2N	216	ASN	CG-ND2	6.38	1.46	1.33
2	23	216	ASN	CG-ND2	6.38	1.46	1.33
2	3N	216	ASN	CG-ND2	6.38	1.46	1.33
2	3R	216	ASN	CG-ND2	6.38	1.46	1.33
2	3V	216	ASN	CG-ND2	6.38	1.46	1.33
2	3Z	216	ASN	CG-ND2	6.38	1.46	1.33
2	37	216	ASN	CG-ND2	6.38	1.46	1.33
2	4J	216	ASN	CG-ND2	6.38	1.46	1.33
2	4R	216	ASN	CG-ND2	6.38	1.46	1.33
2	5F	216	ASN	CG-ND2	6.38	1.46	1.33
2	5J	216	ASN	CG-ND2	6.38	1.46	1.33
2	5N	216	ASN	CG-ND2	6.38	1.46	1.33
2	5Z	216	ASN	CG-ND2	6.38	1.46	1.33
2	6F	216	ASN	CG-ND2	6.38	1.46	1.33
2	6Z	216	ASN	CG-ND2	6.38	1.46	1.33
2	63	216	ASN	CG-ND2	6.38	1.46	1.33
2	67	216	ASN	CG-ND2	6.38	1.46	1.33
2	7B	216	ASN	CG-ND2	6.38	1.46	1.33
2	7J	216	ASN	CG-ND2	6.38	1.46	1.33
2	7V	216	ASN	CG-ND2	6.38	1.46	1.33
2	1N	58	LEU	C-O	-6.38	1.16	1.24
2	2J	58	LEU	C-O	-6.38	1.16	1.24
2	3B	58	LEU	C-O	-6.38	1.16	1.24
2	3J	58	LEU	C-O	-6.38	1.16	1.24
2	33	58	LEU	C-O	-6.38	1.16	1.24
2	4F	58	LEU	C-O	-6.38	1.16	1.24
2	4Z	58	LEU	C-O	-6.38	1.16	1.24
2	5V	58	LEU	C-O	-6.38	1.16	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	58	LEU	C-O	-6.38	1.16	1.24
2	6V	58	LEU	C-O	-6.38	1.16	1.24
2	7F	58	LEU	C-O	-6.38	1.16	1.24
2	7R	58	LEU	C-O	-6.38	1.16	1.24
2	1F	56	SER	CB-OG	6.38	1.54	1.42
1	12	51	LEU	CG-CD1	6.38	1.73	1.52
1	16	51	LEU	CG-CD1	6.38	1.73	1.52
1	2A	51	LEU	CG-CD1	6.38	1.73	1.52
2	2N	56	SER	CB-OG	6.38	1.54	1.42
2	23	56	SER	CB-OG	6.38	1.54	1.42
2	3N	56	SER	CB-OG	6.38	1.54	1.42
1	3Q	51	LEU	CG-CD1	6.38	1.73	1.52
1	3U	51	LEU	CG-CD1	6.38	1.73	1.52
1	3Y	51	LEU	CG-CD1	6.38	1.73	1.52
2	37	56	SER	CB-OG	6.38	1.54	1.42
2	4J	56	SER	CB-OG	6.38	1.54	1.42
2	4R	56	SER	CB-OG	6.38	1.54	1.42
1	5E	51	LEU	CG-CD1	6.38	1.73	1.52
1	5I	51	LEU	CG-CD1	6.38	1.73	1.52
1	5M	51	LEU	CG-CD1	6.38	1.73	1.52
2	5Z	56	SER	CB-OG	6.38	1.54	1.42
2	6F	56	SER	CB-OG	6.38	1.54	1.42
2	6Z	56	SER	CB-OG	6.38	1.54	1.42
1	62	51	LEU	CG-CD1	6.38	1.73	1.52
1	66	51	LEU	CG-CD1	6.38	1.73	1.52
1	7A	51	LEU	CG-CD1	6.38	1.73	1.52
2	7J	56	SER	CB-OG	6.38	1.54	1.42
2	7V	56	SER	CB-OG	6.38	1.54	1.42
2	1B	6	LYS	CD-CE	6.37	1.71	1.52
2	1J	6	LYS	CD-CE	6.37	1.71	1.52
2	2F	6	LYS	CD-CE	6.37	1.71	1.52
2	27	6	LYS	CD-CE	6.37	1.71	1.52
2	3F	6	LYS	CD-CE	6.37	1.71	1.52
2	4B	6	LYS	CD-CE	6.37	1.71	1.52
2	4N	6	LYS	CD-CE	6.37	1.71	1.52
2	4V	6	LYS	CD-CE	6.37	1.71	1.52
2	5R	6	LYS	CD-CE	6.37	1.71	1.52
2	6J	6	LYS	CD-CE	6.37	1.71	1.52
2	6R	6	LYS	CD-CE	6.37	1.71	1.52
2	7N	6	LYS	CD-CE	6.37	1.71	1.52
2	1R	58	LEU	C-O	-6.37	1.16	1.24
2	1V	58	LEU	C-O	-6.37	1.16	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	58	LEU	C-O	-6.37	1.16	1.24
2	2R	58	LEU	C-O	-6.37	1.16	1.24
2	2V	58	LEU	C-O	-6.37	1.16	1.24
2	2Z	58	LEU	C-O	-6.37	1.16	1.24
2	43	58	LEU	C-O	-6.37	1.16	1.24
2	47	58	LEU	C-O	-6.37	1.16	1.24
2	5B	58	LEU	C-O	-6.37	1.16	1.24
2	53	58	LEU	C-O	-6.37	1.16	1.24
2	57	58	LEU	C-O	-6.37	1.16	1.24
2	6B	58	LEU	C-O	-6.37	1.16	1.24
2	1F	58	LEU	C-O	-6.37	1.16	1.24
2	2N	58	LEU	C-O	-6.37	1.16	1.24
2	23	58	LEU	C-O	-6.37	1.16	1.24
2	3N	58	LEU	C-O	-6.37	1.16	1.24
2	37	58	LEU	C-O	-6.37	1.16	1.24
2	4J	58	LEU	C-O	-6.37	1.16	1.24
2	4R	58	LEU	C-O	-6.37	1.16	1.24
2	5Z	58	LEU	C-O	-6.37	1.16	1.24
2	6F	58	LEU	C-O	-6.37	1.16	1.24
2	6Z	58	LEU	C-O	-6.37	1.16	1.24
2	7J	58	LEU	C-O	-6.37	1.16	1.24
2	7V	58	LEU	C-O	-6.37	1.16	1.24
2	1N	108	HIS	N-CA	-6.36	1.38	1.46
2	2J	108	HIS	N-CA	-6.36	1.38	1.46
2	3B	108	HIS	N-CA	-6.36	1.38	1.46
2	3J	108	HIS	N-CA	-6.36	1.38	1.46
2	33	108	HIS	N-CA	-6.36	1.38	1.46
2	4F	108	HIS	N-CA	-6.36	1.38	1.46
2	4Z	108	HIS	N-CA	-6.36	1.38	1.46
2	5V	108	HIS	N-CA	-6.36	1.38	1.46
2	6N	108	HIS	N-CA	-6.36	1.38	1.46
2	6V	108	HIS	N-CA	-6.36	1.38	1.46
2	7F	108	HIS	N-CA	-6.36	1.38	1.46
2	7R	108	HIS	N-CA	-6.36	1.38	1.46
2	1R	6	LYS	CD-CE	6.36	1.71	1.52
2	1V	6	LYS	CD-CE	6.36	1.71	1.52
2	1Z	6	LYS	CD-CE	6.36	1.71	1.52
2	2R	6	LYS	CD-CE	6.36	1.71	1.52
2	2V	6	LYS	CD-CE	6.36	1.71	1.52
2	2Z	6	LYS	CD-CE	6.36	1.71	1.52
2	43	6	LYS	CD-CE	6.36	1.71	1.52
2	47	6	LYS	CD-CE	6.36	1.71	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	6	LYS	CD-CE	6.36	1.71	1.52
2	53	6	LYS	CD-CE	6.36	1.71	1.52
2	57	6	LYS	CD-CE	6.36	1.71	1.52
2	6B	6	LYS	CD-CE	6.36	1.71	1.52
2	1B	108	HIS	N-CA	-6.36	1.38	1.46
2	1J	108	HIS	N-CA	-6.36	1.38	1.46
2	2F	108	HIS	N-CA	-6.36	1.38	1.46
2	27	108	HIS	N-CA	-6.36	1.38	1.46
2	3F	108	HIS	N-CA	-6.36	1.38	1.46
2	4B	108	HIS	N-CA	-6.36	1.38	1.46
2	4N	108	HIS	N-CA	-6.36	1.38	1.46
2	4V	108	HIS	N-CA	-6.36	1.38	1.46
2	5R	108	HIS	N-CA	-6.36	1.38	1.46
2	6J	108	HIS	N-CA	-6.36	1.38	1.46
2	6R	108	HIS	N-CA	-6.36	1.38	1.46
2	7N	108	HIS	N-CA	-6.36	1.38	1.46
1	1E	9	PHE	CG-CD1	6.35	1.52	1.38
2	1F	6	LYS	CD-CE	6.35	1.71	1.52
1	1Q	9	PHE	CG-CD1	6.35	1.52	1.38
1	1U	9	PHE	CG-CD1	6.35	1.52	1.38
1	1Y	9	PHE	CG-CD1	6.35	1.52	1.38
1	2M	9	PHE	CG-CD1	6.35	1.52	1.38
2	2N	6	LYS	CD-CE	6.35	1.71	1.52
1	2Q	9	PHE	CG-CD1	6.35	1.52	1.38
1	2U	9	PHE	CG-CD1	6.35	1.52	1.38
1	2Y	9	PHE	CG-CD1	6.35	1.52	1.38
1	22	9	PHE	CG-CD1	6.35	1.52	1.38
2	23	6	LYS	CD-CE	6.35	1.71	1.52
1	3M	9	PHE	CG-CD1	6.35	1.52	1.38
2	3N	6	LYS	CD-CE	6.35	1.71	1.52
1	36	9	PHE	CG-CD1	6.35	1.52	1.38
2	37	6	LYS	CD-CE	6.35	1.71	1.52
1	4I	9	PHE	CG-CD1	6.35	1.52	1.38
2	4J	6	LYS	CD-CE	6.35	1.71	1.52
1	4Q	9	PHE	CG-CD1	6.35	1.52	1.38
2	4R	6	LYS	CD-CE	6.35	1.71	1.52
1	42	9	PHE	CG-CD1	6.35	1.52	1.38
1	46	9	PHE	CG-CD1	6.35	1.52	1.38
1	5A	9	PHE	CG-CD1	6.35	1.52	1.38
1	5Y	9	PHE	CG-CD1	6.35	1.52	1.38
2	5Z	6	LYS	CD-CE	6.35	1.71	1.52
1	52	9	PHE	CG-CD1	6.35	1.52	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	56	9	PHE	CG-CD1	6.35	1.52	1.38
1	6A	9	PHE	CG-CD1	6.35	1.52	1.38
1	6E	9	PHE	CG-CD1	6.35	1.52	1.38
2	6F	6	LYS	CD-CE	6.35	1.71	1.52
1	6Y	9	PHE	CG-CD1	6.35	1.52	1.38
2	6Z	6	LYS	CD-CE	6.35	1.71	1.52
1	7I	9	PHE	CG-CD1	6.35	1.52	1.38
2	7J	6	LYS	CD-CE	6.35	1.71	1.52
1	7U	9	PHE	CG-CD1	6.35	1.52	1.38
2	7V	6	LYS	CD-CE	6.35	1.71	1.52
2	1F	108	HIS	N-CA	-6.35	1.38	1.46
2	2N	108	HIS	N-CA	-6.35	1.38	1.46
2	23	108	HIS	N-CA	-6.35	1.38	1.46
2	3N	108	HIS	N-CA	-6.35	1.38	1.46
2	37	108	HIS	N-CA	-6.35	1.38	1.46
2	4J	108	HIS	N-CA	-6.35	1.38	1.46
2	4R	108	HIS	N-CA	-6.35	1.38	1.46
2	5Z	108	HIS	N-CA	-6.35	1.38	1.46
2	6F	108	HIS	N-CA	-6.35	1.38	1.46
2	6Z	108	HIS	N-CA	-6.35	1.38	1.46
2	7J	108	HIS	N-CA	-6.35	1.38	1.46
2	7V	108	HIS	N-CA	-6.35	1.38	1.46
2	1B	58	LEU	C-O	-6.34	1.16	1.24
2	1J	58	LEU	C-O	-6.34	1.16	1.24
2	2F	58	LEU	C-O	-6.34	1.16	1.24
2	27	58	LEU	C-O	-6.34	1.16	1.24
2	3F	58	LEU	C-O	-6.34	1.16	1.24
2	4B	58	LEU	C-O	-6.34	1.16	1.24
2	4N	58	LEU	C-O	-6.34	1.16	1.24
2	4V	58	LEU	C-O	-6.34	1.16	1.24
2	5R	58	LEU	C-O	-6.34	1.16	1.24
2	6J	58	LEU	C-O	-6.34	1.16	1.24
2	6R	58	LEU	C-O	-6.34	1.16	1.24
2	7N	58	LEU	C-O	-6.34	1.16	1.24
2	1R	76	ILE	CB-CG2	-6.34	1.31	1.52
2	1V	76	ILE	CB-CG2	-6.34	1.31	1.52
2	1Z	76	ILE	CB-CG2	-6.34	1.31	1.52
2	13	58	LEU	C-O	-6.34	1.16	1.24
2	17	58	LEU	C-O	-6.34	1.16	1.24
2	2B	58	LEU	C-O	-6.34	1.16	1.24
2	2R	76	ILE	CB-CG2	-6.34	1.31	1.52
2	2V	76	ILE	CB-CG2	-6.34	1.31	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2Z	76	ILE	CB-CG2	-6.34	1.31	1.52
2	3R	58	LEU	C-O	-6.34	1.16	1.24
2	3V	58	LEU	C-O	-6.34	1.16	1.24
2	3Z	58	LEU	C-O	-6.34	1.16	1.24
2	43	76	ILE	CB-CG2	-6.34	1.31	1.52
2	47	76	ILE	CB-CG2	-6.34	1.31	1.52
2	5B	76	ILE	CB-CG2	-6.34	1.31	1.52
2	5F	58	LEU	C-O	-6.34	1.16	1.24
2	5J	58	LEU	C-O	-6.34	1.16	1.24
2	5N	58	LEU	C-O	-6.34	1.16	1.24
2	53	76	ILE	CB-CG2	-6.34	1.31	1.52
2	57	76	ILE	CB-CG2	-6.34	1.31	1.52
2	6B	76	ILE	CB-CG2	-6.34	1.31	1.52
2	63	58	LEU	C-O	-6.34	1.16	1.24
2	67	58	LEU	C-O	-6.34	1.16	1.24
2	7B	58	LEU	C-O	-6.34	1.16	1.24
2	1B	76	ILE	CB-CG2	-6.34	1.31	1.52
2	1J	76	ILE	CB-CG2	-6.34	1.31	1.52
2	13	76	ILE	CB-CG2	-6.34	1.31	1.52
2	17	76	ILE	CB-CG2	-6.34	1.31	1.52
2	2B	76	ILE	CB-CG2	-6.34	1.31	1.52
2	2F	76	ILE	CB-CG2	-6.34	1.31	1.52
2	27	76	ILE	CB-CG2	-6.34	1.31	1.52
2	3F	76	ILE	CB-CG2	-6.34	1.31	1.52
2	3R	76	ILE	CB-CG2	-6.34	1.31	1.52
2	3V	76	ILE	CB-CG2	-6.34	1.31	1.52
2	3Z	76	ILE	CB-CG2	-6.34	1.31	1.52
2	4B	76	ILE	CB-CG2	-6.34	1.31	1.52
2	4N	76	ILE	CB-CG2	-6.34	1.31	1.52
2	4V	76	ILE	CB-CG2	-6.34	1.31	1.52
2	5F	76	ILE	CB-CG2	-6.34	1.31	1.52
2	5J	76	ILE	CB-CG2	-6.34	1.31	1.52
2	5N	76	ILE	CB-CG2	-6.34	1.31	1.52
2	5R	76	ILE	CB-CG2	-6.34	1.31	1.52
2	6J	76	ILE	CB-CG2	-6.34	1.31	1.52
2	6R	76	ILE	CB-CG2	-6.34	1.31	1.52
2	63	76	ILE	CB-CG2	-6.34	1.31	1.52
2	67	76	ILE	CB-CG2	-6.34	1.31	1.52
2	7B	76	ILE	CB-CG2	-6.34	1.31	1.52
2	7N	76	ILE	CB-CG2	-6.34	1.31	1.52
1	1E	144	VAL	CB-CG1	6.33	1.73	1.52
1	2M	144	VAL	CB-CG1	6.33	1.73	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	144	VAL	CB-CG1	6.33	1.73	1.52
1	3M	144	VAL	CB-CG1	6.33	1.73	1.52
1	36	144	VAL	CB-CG1	6.33	1.73	1.52
1	4I	144	VAL	CB-CG1	6.33	1.73	1.52
1	4Q	144	VAL	CB-CG1	6.33	1.73	1.52
1	5Y	144	VAL	CB-CG1	6.33	1.73	1.52
1	6E	144	VAL	CB-CG1	6.33	1.73	1.52
1	6Y	144	VAL	CB-CG1	6.33	1.73	1.52
1	7I	144	VAL	CB-CG1	6.33	1.73	1.52
1	7U	144	VAL	CB-CG1	6.33	1.73	1.52
1	1M	144	VAL	CB-CG1	6.33	1.73	1.52
1	2I	144	VAL	CB-CG1	6.33	1.73	1.52
1	3A	144	VAL	CB-CG1	6.33	1.73	1.52
1	3I	144	VAL	CB-CG1	6.33	1.73	1.52
1	32	144	VAL	CB-CG1	6.33	1.73	1.52
1	4E	144	VAL	CB-CG1	6.33	1.73	1.52
1	4Y	144	VAL	CB-CG1	6.33	1.73	1.52
1	5U	144	VAL	CB-CG1	6.33	1.73	1.52
1	6M	144	VAL	CB-CG1	6.33	1.73	1.52
1	6U	144	VAL	CB-CG1	6.33	1.73	1.52
1	7E	144	VAL	CB-CG1	6.33	1.73	1.52
1	7Q	144	VAL	CB-CG1	6.33	1.73	1.52
1	1A	144	VAL	CB-CG1	6.32	1.73	1.52
1	1I	144	VAL	CB-CG1	6.32	1.73	1.52
2	1R	108	HIS	N-CA	-6.32	1.38	1.46
2	1V	108	HIS	N-CA	-6.32	1.38	1.46
2	1Z	108	HIS	N-CA	-6.32	1.38	1.46
1	2E	144	VAL	CB-CG1	6.32	1.73	1.52
2	2R	108	HIS	N-CA	-6.32	1.38	1.46
2	2V	108	HIS	N-CA	-6.32	1.38	1.46
2	2Z	108	HIS	N-CA	-6.32	1.38	1.46
1	26	144	VAL	CB-CG1	6.32	1.73	1.52
1	3E	144	VAL	CB-CG1	6.32	1.73	1.52
1	4A	144	VAL	CB-CG1	6.32	1.73	1.52
1	4M	144	VAL	CB-CG1	6.32	1.73	1.52
1	4U	144	VAL	CB-CG1	6.32	1.73	1.52
2	43	108	HIS	N-CA	-6.32	1.38	1.46
2	47	108	HIS	N-CA	-6.32	1.38	1.46
2	5B	108	HIS	N-CA	-6.32	1.38	1.46
1	5Q	144	VAL	CB-CG1	6.32	1.73	1.52
2	53	108	HIS	N-CA	-6.32	1.38	1.46
2	57	108	HIS	N-CA	-6.32	1.38	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	108	HIS	N-CA	-6.32	1.38	1.46
1	6I	144	VAL	CB-CG1	6.32	1.73	1.52
1	6Q	144	VAL	CB-CG1	6.32	1.73	1.52
1	7M	144	VAL	CB-CG1	6.32	1.73	1.52
2	1N	76	ILE	CB-CG2	-6.32	1.31	1.52
2	1R	70	TRP	C-N	-6.32	1.25	1.33
2	1V	70	TRP	C-N	-6.32	1.25	1.33
2	1Z	70	TRP	C-N	-6.32	1.25	1.33
2	13	108	HIS	N-CA	-6.32	1.38	1.46
2	17	108	HIS	N-CA	-6.32	1.38	1.46
2	2B	108	HIS	N-CA	-6.32	1.38	1.46
2	2J	76	ILE	CB-CG2	-6.32	1.31	1.52
2	2R	70	TRP	C-N	-6.32	1.25	1.33
2	2V	70	TRP	C-N	-6.32	1.25	1.33
2	2Z	70	TRP	C-N	-6.32	1.25	1.33
2	3B	76	ILE	CB-CG2	-6.32	1.31	1.52
2	3J	76	ILE	CB-CG2	-6.32	1.31	1.52
2	3R	108	HIS	N-CA	-6.32	1.38	1.46
2	3V	108	HIS	N-CA	-6.32	1.38	1.46
2	3Z	108	HIS	N-CA	-6.32	1.38	1.46
2	33	76	ILE	CB-CG2	-6.32	1.31	1.52
2	4F	76	ILE	CB-CG2	-6.32	1.31	1.52
2	4Z	76	ILE	CB-CG2	-6.32	1.31	1.52
2	43	70	TRP	C-N	-6.32	1.25	1.33
2	47	70	TRP	C-N	-6.32	1.25	1.33
2	5B	70	TRP	C-N	-6.32	1.25	1.33
2	5F	108	HIS	N-CA	-6.32	1.38	1.46
2	5J	108	HIS	N-CA	-6.32	1.38	1.46
2	5N	108	HIS	N-CA	-6.32	1.38	1.46
2	5V	76	ILE	CB-CG2	-6.32	1.31	1.52
2	53	70	TRP	C-N	-6.32	1.25	1.33
2	57	70	TRP	C-N	-6.32	1.25	1.33
2	6B	70	TRP	C-N	-6.32	1.25	1.33
2	6N	76	ILE	CB-CG2	-6.32	1.31	1.52
2	6V	76	ILE	CB-CG2	-6.32	1.31	1.52
2	63	108	HIS	N-CA	-6.32	1.38	1.46
2	67	108	HIS	N-CA	-6.32	1.38	1.46
2	7B	108	HIS	N-CA	-6.32	1.38	1.46
2	7F	76	ILE	CB-CG2	-6.32	1.31	1.52
2	7R	76	ILE	CB-CG2	-6.32	1.31	1.52
1	1A	166	MET	CB-CG	6.32	1.71	1.52
1	1E	166	MET	CB-CG	6.32	1.71	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1F	76	ILE	CB-CG2	-6.32	1.31	1.52
1	1I	166	MET	CB-CG	6.32	1.71	1.52
1	2E	166	MET	CB-CG	6.32	1.71	1.52
1	2M	166	MET	CB-CG	6.32	1.71	1.52
2	2N	76	ILE	CB-CG2	-6.32	1.31	1.52
1	22	166	MET	CB-CG	6.32	1.71	1.52
2	23	76	ILE	CB-CG2	-6.32	1.31	1.52
1	26	166	MET	CB-CG	6.32	1.71	1.52
1	3E	166	MET	CB-CG	6.32	1.71	1.52
1	3M	166	MET	CB-CG	6.32	1.71	1.52
2	3N	76	ILE	CB-CG2	-6.32	1.31	1.52
1	36	166	MET	CB-CG	6.32	1.71	1.52
2	37	76	ILE	CB-CG2	-6.32	1.31	1.52
1	4A	166	MET	CB-CG	6.32	1.71	1.52
1	4I	166	MET	CB-CG	6.32	1.71	1.52
2	4J	76	ILE	CB-CG2	-6.32	1.31	1.52
1	4M	166	MET	CB-CG	6.32	1.71	1.52
1	4Q	166	MET	CB-CG	6.32	1.71	1.52
2	4R	76	ILE	CB-CG2	-6.32	1.31	1.52
1	4U	166	MET	CB-CG	6.32	1.71	1.52
1	5Q	166	MET	CB-CG	6.32	1.71	1.52
1	5Y	166	MET	CB-CG	6.32	1.71	1.52
2	5Z	76	ILE	CB-CG2	-6.32	1.31	1.52
1	6E	166	MET	CB-CG	6.32	1.71	1.52
2	6F	76	ILE	CB-CG2	-6.32	1.31	1.52
1	6I	166	MET	CB-CG	6.32	1.71	1.52
1	6Q	166	MET	CB-CG	6.32	1.71	1.52
1	6Y	166	MET	CB-CG	6.32	1.71	1.52
2	6Z	76	ILE	CB-CG2	-6.32	1.31	1.52
1	7I	166	MET	CB-CG	6.32	1.71	1.52
2	7J	76	ILE	CB-CG2	-6.32	1.31	1.52
1	7M	166	MET	CB-CG	6.32	1.71	1.52
1	7U	166	MET	CB-CG	6.32	1.71	1.52
2	7V	76	ILE	CB-CG2	-6.32	1.31	1.52
2	13	31	PHE	CG-CD2	6.32	1.52	1.38
2	17	31	PHE	CG-CD2	6.32	1.52	1.38
2	2B	31	PHE	CG-CD2	6.32	1.52	1.38
2	3R	31	PHE	CG-CD2	6.32	1.52	1.38
2	3V	31	PHE	CG-CD2	6.32	1.52	1.38
2	3Z	31	PHE	CG-CD2	6.32	1.52	1.38
2	5F	31	PHE	CG-CD2	6.32	1.52	1.38
2	5J	31	PHE	CG-CD2	6.32	1.52	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	31	PHE	CG-CD2	6.32	1.52	1.38
2	63	31	PHE	CG-CD2	6.32	1.52	1.38
2	67	31	PHE	CG-CD2	6.32	1.52	1.38
2	7B	31	PHE	CG-CD2	6.32	1.52	1.38
1	1Q	144	VAL	CB-CG1	6.31	1.73	1.52
1	1U	144	VAL	CB-CG1	6.31	1.73	1.52
1	1Y	144	VAL	CB-CG1	6.31	1.73	1.52
1	2Q	144	VAL	CB-CG1	6.31	1.73	1.52
1	2U	144	VAL	CB-CG1	6.31	1.73	1.52
1	2Y	144	VAL	CB-CG1	6.31	1.73	1.52
1	42	144	VAL	CB-CG1	6.31	1.73	1.52
1	46	144	VAL	CB-CG1	6.31	1.73	1.52
1	5A	144	VAL	CB-CG1	6.31	1.73	1.52
1	52	144	VAL	CB-CG1	6.31	1.73	1.52
1	56	144	VAL	CB-CG1	6.31	1.73	1.52
1	6A	144	VAL	CB-CG1	6.31	1.73	1.52
1	12	144	VAL	CB-CG1	6.31	1.73	1.52
1	16	144	VAL	CB-CG1	6.31	1.73	1.52
1	2A	144	VAL	CB-CG1	6.31	1.73	1.52
1	3Q	144	VAL	CB-CG1	6.31	1.73	1.52
1	3U	144	VAL	CB-CG1	6.31	1.73	1.52
1	3Y	144	VAL	CB-CG1	6.31	1.73	1.52
1	5E	144	VAL	CB-CG1	6.31	1.73	1.52
1	5I	144	VAL	CB-CG1	6.31	1.73	1.52
1	5M	144	VAL	CB-CG1	6.31	1.73	1.52
1	62	144	VAL	CB-CG1	6.31	1.73	1.52
1	66	144	VAL	CB-CG1	6.31	1.73	1.52
1	7A	144	VAL	CB-CG1	6.31	1.73	1.52
1	1Q	166	MET	CB-CG	6.30	1.71	1.52
2	1R	31	PHE	CG-CD2	6.30	1.52	1.38
1	1U	166	MET	CB-CG	6.30	1.71	1.52
2	1V	31	PHE	CG-CD2	6.30	1.52	1.38
1	1Y	166	MET	CB-CG	6.30	1.71	1.52
2	1Z	31	PHE	CG-CD2	6.30	1.52	1.38
1	2Q	166	MET	CB-CG	6.30	1.71	1.52
2	2R	31	PHE	CG-CD2	6.30	1.52	1.38
1	2U	166	MET	CB-CG	6.30	1.71	1.52
2	2V	31	PHE	CG-CD2	6.30	1.52	1.38
1	2Y	166	MET	CB-CG	6.30	1.71	1.52
2	2Z	31	PHE	CG-CD2	6.30	1.52	1.38
1	42	166	MET	CB-CG	6.30	1.71	1.52
2	43	31	PHE	CG-CD2	6.30	1.52	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	46	166	MET	CB-CG	6.30	1.71	1.52
2	47	31	PHE	CG-CD2	6.30	1.52	1.38
1	5A	166	MET	CB-CG	6.30	1.71	1.52
2	5B	31	PHE	CG-CD2	6.30	1.52	1.38
1	52	166	MET	CB-CG	6.30	1.71	1.52
2	53	31	PHE	CG-CD2	6.30	1.52	1.38
1	56	166	MET	CB-CG	6.30	1.71	1.52
2	57	31	PHE	CG-CD2	6.30	1.52	1.38
1	6A	166	MET	CB-CG	6.30	1.71	1.52
2	6B	31	PHE	CG-CD2	6.30	1.52	1.38
1	1M	166	MET	CB-CG	6.30	1.71	1.52
1	2I	166	MET	CB-CG	6.30	1.71	1.52
1	3A	166	MET	CB-CG	6.30	1.71	1.52
1	3I	166	MET	CB-CG	6.30	1.71	1.52
1	32	166	MET	CB-CG	6.30	1.71	1.52
1	4E	166	MET	CB-CG	6.30	1.71	1.52
1	4Y	166	MET	CB-CG	6.30	1.71	1.52
1	5U	166	MET	CB-CG	6.30	1.71	1.52
1	6M	166	MET	CB-CG	6.30	1.71	1.52
1	6U	166	MET	CB-CG	6.30	1.71	1.52
1	7E	166	MET	CB-CG	6.30	1.71	1.52
1	7Q	166	MET	CB-CG	6.30	1.71	1.52
2	1N	31	PHE	CG-CD2	6.29	1.52	1.38
2	2J	31	PHE	CG-CD2	6.29	1.52	1.38
2	3B	31	PHE	CG-CD2	6.29	1.52	1.38
2	3J	31	PHE	CG-CD2	6.29	1.52	1.38
2	33	31	PHE	CG-CD2	6.29	1.52	1.38
2	4F	31	PHE	CG-CD2	6.29	1.52	1.38
2	4Z	31	PHE	CG-CD2	6.29	1.52	1.38
2	5V	31	PHE	CG-CD2	6.29	1.52	1.38
2	6N	31	PHE	CG-CD2	6.29	1.52	1.38
2	6V	31	PHE	CG-CD2	6.29	1.52	1.38
2	7F	31	PHE	CG-CD2	6.29	1.52	1.38
2	7R	31	PHE	CG-CD2	6.29	1.52	1.38
1	12	166	MET	CB-CG	6.29	1.71	1.52
1	16	166	MET	CB-CG	6.29	1.71	1.52
1	2A	166	MET	CB-CG	6.29	1.71	1.52
1	3Q	166	MET	CB-CG	6.29	1.71	1.52
1	3U	166	MET	CB-CG	6.29	1.71	1.52
1	3Y	166	MET	CB-CG	6.29	1.71	1.52
1	5E	166	MET	CB-CG	6.29	1.71	1.52
1	5I	166	MET	CB-CG	6.29	1.71	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	166	MET	CB-CG	6.29	1.71	1.52
1	62	166	MET	CB-CG	6.29	1.71	1.52
1	66	166	MET	CB-CG	6.29	1.71	1.52
1	7A	166	MET	CB-CG	6.29	1.71	1.52
2	1B	31	PHE	CG-CD2	6.29	1.52	1.38
2	1B	59	VAL	C-N	-6.29	1.24	1.33
2	1J	31	PHE	CG-CD2	6.29	1.52	1.38
2	1J	59	VAL	C-N	-6.29	1.24	1.33
2	2F	31	PHE	CG-CD2	6.29	1.52	1.38
2	2F	59	VAL	C-N	-6.29	1.24	1.33
2	27	31	PHE	CG-CD2	6.29	1.52	1.38
2	27	59	VAL	C-N	-6.29	1.24	1.33
2	3F	31	PHE	CG-CD2	6.29	1.52	1.38
2	3F	59	VAL	C-N	-6.29	1.24	1.33
2	4B	31	PHE	CG-CD2	6.29	1.52	1.38
2	4B	59	VAL	C-N	-6.29	1.24	1.33
2	4N	31	PHE	CG-CD2	6.29	1.52	1.38
2	4N	59	VAL	C-N	-6.29	1.24	1.33
2	4V	31	PHE	CG-CD2	6.29	1.52	1.38
2	4V	59	VAL	C-N	-6.29	1.24	1.33
2	5R	31	PHE	CG-CD2	6.29	1.52	1.38
2	5R	59	VAL	C-N	-6.29	1.24	1.33
2	6J	31	PHE	CG-CD2	6.29	1.52	1.38
2	6J	59	VAL	C-N	-6.29	1.24	1.33
2	6R	31	PHE	CG-CD2	6.29	1.52	1.38
2	6R	59	VAL	C-N	-6.29	1.24	1.33
2	7N	31	PHE	CG-CD2	6.29	1.52	1.38
2	7N	59	VAL	C-N	-6.29	1.24	1.33
2	1N	59	VAL	C-N	-6.29	1.24	1.33
2	2J	59	VAL	C-N	-6.29	1.24	1.33
2	3B	59	VAL	C-N	-6.29	1.24	1.33
2	3J	59	VAL	C-N	-6.29	1.24	1.33
2	33	59	VAL	C-N	-6.29	1.24	1.33
2	4F	59	VAL	C-N	-6.29	1.24	1.33
2	4Z	59	VAL	C-N	-6.29	1.24	1.33
2	5V	59	VAL	C-N	-6.29	1.24	1.33
2	6N	59	VAL	C-N	-6.29	1.24	1.33
2	6V	59	VAL	C-N	-6.29	1.24	1.33
2	7F	59	VAL	C-N	-6.29	1.24	1.33
2	7R	59	VAL	C-N	-6.29	1.24	1.33
1	1M	1	ASP	C-N	6.29	1.42	1.34
1	2I	1	ASP	C-N	6.29	1.42	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	1	ASP	C-N	6.29	1.42	1.34
1	3I	1	ASP	C-N	6.29	1.42	1.34
1	32	1	ASP	C-N	6.29	1.42	1.34
1	4E	1	ASP	C-N	6.29	1.42	1.34
1	4Y	1	ASP	C-N	6.29	1.42	1.34
1	5U	1	ASP	C-N	6.29	1.42	1.34
1	6M	1	ASP	C-N	6.29	1.42	1.34
1	6U	1	ASP	C-N	6.29	1.42	1.34
1	7E	1	ASP	C-N	6.29	1.42	1.34
1	7Q	1	ASP	C-N	6.29	1.42	1.34
2	13	70	TRP	C-N	-6.28	1.25	1.33
2	17	70	TRP	C-N	-6.28	1.25	1.33
2	2B	70	TRP	C-N	-6.28	1.25	1.33
2	3R	70	TRP	C-N	-6.28	1.25	1.33
2	3V	70	TRP	C-N	-6.28	1.25	1.33
2	3Z	70	TRP	C-N	-6.28	1.25	1.33
2	5F	70	TRP	C-N	-6.28	1.25	1.33
2	5J	70	TRP	C-N	-6.28	1.25	1.33
2	5N	70	TRP	C-N	-6.28	1.25	1.33
2	63	70	TRP	C-N	-6.28	1.25	1.33
2	67	70	TRP	C-N	-6.28	1.25	1.33
2	7B	70	TRP	C-N	-6.28	1.25	1.33
1	1M	81	ASN	N-CA	6.28	1.53	1.45
1	2I	81	ASN	N-CA	6.28	1.53	1.45
1	3A	81	ASN	N-CA	6.28	1.53	1.45
1	3I	81	ASN	N-CA	6.28	1.53	1.45
1	32	81	ASN	N-CA	6.28	1.53	1.45
1	4E	81	ASN	N-CA	6.28	1.53	1.45
1	4Y	81	ASN	N-CA	6.28	1.53	1.45
1	5U	81	ASN	N-CA	6.28	1.53	1.45
1	6M	81	ASN	N-CA	6.28	1.53	1.45
1	6U	81	ASN	N-CA	6.28	1.53	1.45
1	7E	81	ASN	N-CA	6.28	1.53	1.45
1	7Q	81	ASN	N-CA	6.28	1.53	1.45
2	13	59	VAL	C-N	-6.28	1.24	1.33
2	17	59	VAL	C-N	-6.28	1.24	1.33
2	2B	59	VAL	C-N	-6.28	1.24	1.33
2	3R	59	VAL	C-N	-6.28	1.24	1.33
2	3V	59	VAL	C-N	-6.28	1.24	1.33
2	3Z	59	VAL	C-N	-6.28	1.24	1.33
2	5F	59	VAL	C-N	-6.28	1.24	1.33
2	5J	59	VAL	C-N	-6.28	1.24	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	59	VAL	C-N	-6.28	1.24	1.33
2	63	59	VAL	C-N	-6.28	1.24	1.33
2	67	59	VAL	C-N	-6.28	1.24	1.33
2	7B	59	VAL	C-N	-6.28	1.24	1.33
2	1F	31	PHE	CG-CD2	6.28	1.52	1.38
2	2N	31	PHE	CG-CD2	6.28	1.52	1.38
2	23	31	PHE	CG-CD2	6.28	1.52	1.38
2	3N	31	PHE	CG-CD2	6.28	1.52	1.38
2	37	31	PHE	CG-CD2	6.28	1.52	1.38
2	4J	31	PHE	CG-CD2	6.28	1.52	1.38
2	4R	31	PHE	CG-CD2	6.28	1.52	1.38
2	5Z	31	PHE	CG-CD2	6.28	1.52	1.38
2	6F	31	PHE	CG-CD2	6.28	1.52	1.38
2	6Z	31	PHE	CG-CD2	6.28	1.52	1.38
2	7J	31	PHE	CG-CD2	6.28	1.52	1.38
2	7V	31	PHE	CG-CD2	6.28	1.52	1.38
2	1B	70	TRP	C-N	-6.27	1.25	1.33
2	1J	70	TRP	C-N	-6.27	1.25	1.33
2	2F	70	TRP	C-N	-6.27	1.25	1.33
2	27	70	TRP	C-N	-6.27	1.25	1.33
2	3F	70	TRP	C-N	-6.27	1.25	1.33
2	4B	70	TRP	C-N	-6.27	1.25	1.33
2	4N	70	TRP	C-N	-6.27	1.25	1.33
2	4V	70	TRP	C-N	-6.27	1.25	1.33
2	5R	70	TRP	C-N	-6.27	1.25	1.33
2	6J	70	TRP	C-N	-6.27	1.25	1.33
2	6R	70	TRP	C-N	-6.27	1.25	1.33
2	7N	70	TRP	C-N	-6.27	1.25	1.33
2	1F	59	VAL	C-N	-6.27	1.25	1.33
2	2N	59	VAL	C-N	-6.27	1.25	1.33
2	23	59	VAL	C-N	-6.27	1.25	1.33
2	3N	59	VAL	C-N	-6.27	1.25	1.33
2	37	59	VAL	C-N	-6.27	1.25	1.33
2	4J	59	VAL	C-N	-6.27	1.25	1.33
2	4R	59	VAL	C-N	-6.27	1.25	1.33
2	5Z	59	VAL	C-N	-6.27	1.25	1.33
2	6F	59	VAL	C-N	-6.27	1.25	1.33
2	6Z	59	VAL	C-N	-6.27	1.25	1.33
2	7J	59	VAL	C-N	-6.27	1.25	1.33
2	7V	59	VAL	C-N	-6.27	1.25	1.33
2	1R	217	PRO	CA-CB	6.27	1.63	1.53
2	1V	217	PRO	CA-CB	6.27	1.63	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	217	PRO	CA-CB	6.27	1.63	1.53
2	2R	217	PRO	CA-CB	6.27	1.63	1.53
2	2V	217	PRO	CA-CB	6.27	1.63	1.53
2	2Z	217	PRO	CA-CB	6.27	1.63	1.53
2	43	217	PRO	CA-CB	6.27	1.63	1.53
2	47	217	PRO	CA-CB	6.27	1.63	1.53
2	5B	217	PRO	CA-CB	6.27	1.63	1.53
2	53	217	PRO	CA-CB	6.27	1.63	1.53
2	57	217	PRO	CA-CB	6.27	1.63	1.53
2	6B	217	PRO	CA-CB	6.27	1.63	1.53
1	1E	29	TYR	CD2-CE2	6.26	1.57	1.38
1	2M	29	TYR	CD2-CE2	6.26	1.57	1.38
1	22	29	TYR	CD2-CE2	6.26	1.57	1.38
1	3M	29	TYR	CD2-CE2	6.26	1.57	1.38
1	36	29	TYR	CD2-CE2	6.26	1.57	1.38
1	4I	29	TYR	CD2-CE2	6.26	1.57	1.38
1	4Q	29	TYR	CD2-CE2	6.26	1.57	1.38
1	5Y	29	TYR	CD2-CE2	6.26	1.57	1.38
1	6E	29	TYR	CD2-CE2	6.26	1.57	1.38
1	6Y	29	TYR	CD2-CE2	6.26	1.57	1.38
1	7I	29	TYR	CD2-CE2	6.26	1.57	1.38
1	7U	29	TYR	CD2-CE2	6.26	1.57	1.38
2	1N	70	TRP	C-N	-6.26	1.25	1.33
2	2J	70	TRP	C-N	-6.26	1.25	1.33
2	3B	70	TRP	C-N	-6.26	1.25	1.33
2	3J	70	TRP	C-N	-6.26	1.25	1.33
2	33	70	TRP	C-N	-6.26	1.25	1.33
2	4F	70	TRP	C-N	-6.26	1.25	1.33
2	4Z	70	TRP	C-N	-6.26	1.25	1.33
2	5V	70	TRP	C-N	-6.26	1.25	1.33
2	6N	70	TRP	C-N	-6.26	1.25	1.33
2	6V	70	TRP	C-N	-6.26	1.25	1.33
2	7F	70	TRP	C-N	-6.26	1.25	1.33
2	7R	70	TRP	C-N	-6.26	1.25	1.33
1	1E	81	ASN	N-CA	6.26	1.53	1.45
1	2M	81	ASN	N-CA	6.26	1.53	1.45
1	22	81	ASN	N-CA	6.26	1.53	1.45
1	3M	81	ASN	N-CA	6.26	1.53	1.45
1	36	81	ASN	N-CA	6.26	1.53	1.45
1	4I	81	ASN	N-CA	6.26	1.53	1.45
1	4Q	81	ASN	N-CA	6.26	1.53	1.45
1	5Y	81	ASN	N-CA	6.26	1.53	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	81	ASN	N-CA	6.26	1.53	1.45
1	6Y	81	ASN	N-CA	6.26	1.53	1.45
1	7I	81	ASN	N-CA	6.26	1.53	1.45
1	7U	81	ASN	N-CA	6.26	1.53	1.45
1	1A	29	TYR	CD2-CE2	6.26	1.57	1.38
1	1I	29	TYR	CD2-CE2	6.26	1.57	1.38
2	1R	59	VAL	C-N	-6.26	1.25	1.33
2	1V	59	VAL	C-N	-6.26	1.25	1.33
2	1Z	59	VAL	C-N	-6.26	1.25	1.33
1	2E	29	TYR	CD2-CE2	6.26	1.57	1.38
2	2R	59	VAL	C-N	-6.26	1.25	1.33
2	2V	59	VAL	C-N	-6.26	1.25	1.33
2	2Z	59	VAL	C-N	-6.26	1.25	1.33
1	26	29	TYR	CD2-CE2	6.26	1.57	1.38
1	3E	29	TYR	CD2-CE2	6.26	1.57	1.38
1	4A	29	TYR	CD2-CE2	6.26	1.57	1.38
1	4M	29	TYR	CD2-CE2	6.26	1.57	1.38
1	4U	29	TYR	CD2-CE2	6.26	1.57	1.38
2	43	59	VAL	C-N	-6.26	1.25	1.33
2	47	59	VAL	C-N	-6.26	1.25	1.33
2	5B	59	VAL	C-N	-6.26	1.25	1.33
1	5Q	29	TYR	CD2-CE2	6.26	1.57	1.38
2	53	59	VAL	C-N	-6.26	1.25	1.33
2	57	59	VAL	C-N	-6.26	1.25	1.33
2	6B	59	VAL	C-N	-6.26	1.25	1.33
1	6I	29	TYR	CD2-CE2	6.26	1.57	1.38
1	6Q	29	TYR	CD2-CE2	6.26	1.57	1.38
1	7M	29	TYR	CD2-CE2	6.26	1.57	1.38
1	12	29	TYR	CD2-CE2	6.25	1.57	1.38
1	16	29	TYR	CD2-CE2	6.25	1.57	1.38
1	2A	29	TYR	CD2-CE2	6.25	1.57	1.38
1	3Q	29	TYR	CD2-CE2	6.25	1.57	1.38
1	3U	29	TYR	CD2-CE2	6.25	1.57	1.38
1	3Y	29	TYR	CD2-CE2	6.25	1.57	1.38
1	5E	29	TYR	CD2-CE2	6.25	1.57	1.38
1	5I	29	TYR	CD2-CE2	6.25	1.57	1.38
1	5M	29	TYR	CD2-CE2	6.25	1.57	1.38
1	62	29	TYR	CD2-CE2	6.25	1.57	1.38
1	66	29	TYR	CD2-CE2	6.25	1.57	1.38
1	7A	29	TYR	CD2-CE2	6.25	1.57	1.38
2	1B	217	PRO	CA-CB	6.25	1.63	1.53
2	1J	217	PRO	CA-CB	6.25	1.63	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1N	42	HIS	C-N	6.25	1.42	1.33
2	2F	217	PRO	CA-CB	6.25	1.63	1.53
2	2J	42	HIS	C-N	6.25	1.42	1.33
2	27	217	PRO	CA-CB	6.25	1.63	1.53
2	3B	42	HIS	C-N	6.25	1.42	1.33
2	3F	217	PRO	CA-CB	6.25	1.63	1.53
2	3J	42	HIS	C-N	6.25	1.42	1.33
2	33	42	HIS	C-N	6.25	1.42	1.33
2	4B	217	PRO	CA-CB	6.25	1.63	1.53
2	4F	42	HIS	C-N	6.25	1.42	1.33
2	4N	217	PRO	CA-CB	6.25	1.63	1.53
2	4V	217	PRO	CA-CB	6.25	1.63	1.53
2	4Z	42	HIS	C-N	6.25	1.42	1.33
2	5R	217	PRO	CA-CB	6.25	1.63	1.53
2	5V	42	HIS	C-N	6.25	1.42	1.33
2	6J	217	PRO	CA-CB	6.25	1.63	1.53
2	6N	42	HIS	C-N	6.25	1.42	1.33
2	6R	217	PRO	CA-CB	6.25	1.63	1.53
2	6V	42	HIS	C-N	6.25	1.42	1.33
2	7F	42	HIS	C-N	6.25	1.42	1.33
2	7N	217	PRO	CA-CB	6.25	1.63	1.53
2	7R	42	HIS	C-N	6.25	1.42	1.33
2	13	217	PRO	CA-CB	6.25	1.63	1.53
2	17	217	PRO	CA-CB	6.25	1.63	1.53
2	2B	217	PRO	CA-CB	6.25	1.63	1.53
2	3R	217	PRO	CA-CB	6.25	1.63	1.53
2	3V	217	PRO	CA-CB	6.25	1.63	1.53
2	3Z	217	PRO	CA-CB	6.25	1.63	1.53
2	5F	217	PRO	CA-CB	6.25	1.63	1.53
2	5J	217	PRO	CA-CB	6.25	1.63	1.53
2	5N	217	PRO	CA-CB	6.25	1.63	1.53
2	63	217	PRO	CA-CB	6.25	1.63	1.53
2	67	217	PRO	CA-CB	6.25	1.63	1.53
2	7B	217	PRO	CA-CB	6.25	1.63	1.53
1	1Q	29	TYR	CD2-CE2	6.25	1.57	1.38
1	1U	29	TYR	CD2-CE2	6.25	1.57	1.38
1	1Y	29	TYR	CD2-CE2	6.25	1.57	1.38
1	2Q	29	TYR	CD2-CE2	6.25	1.57	1.38
1	2U	29	TYR	CD2-CE2	6.25	1.57	1.38
1	2Y	29	TYR	CD2-CE2	6.25	1.57	1.38
1	42	29	TYR	CD2-CE2	6.25	1.57	1.38
1	46	29	TYR	CD2-CE2	6.25	1.57	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	29	TYR	CD2-CE2	6.25	1.57	1.38
1	52	29	TYR	CD2-CE2	6.25	1.57	1.38
1	56	29	TYR	CD2-CE2	6.25	1.57	1.38
1	6A	29	TYR	CD2-CE2	6.25	1.57	1.38
1	1A	81	ASN	N-CA	6.25	1.53	1.45
1	1I	81	ASN	N-CA	6.25	1.53	1.45
1	2E	81	ASN	N-CA	6.25	1.53	1.45
1	26	81	ASN	N-CA	6.25	1.53	1.45
1	3E	81	ASN	N-CA	6.25	1.53	1.45
1	4A	81	ASN	N-CA	6.25	1.53	1.45
1	4M	81	ASN	N-CA	6.25	1.53	1.45
1	4U	81	ASN	N-CA	6.25	1.53	1.45
1	5Q	81	ASN	N-CA	6.25	1.53	1.45
1	6I	81	ASN	N-CA	6.25	1.53	1.45
1	6Q	81	ASN	N-CA	6.25	1.53	1.45
1	7M	81	ASN	N-CA	6.25	1.53	1.45
1	1E	1	ASP	C-N	6.24	1.42	1.34
1	1E	66	ARG	C-O	6.24	1.31	1.23
2	1N	217	PRO	CA-CB	6.24	1.63	1.53
2	2J	217	PRO	CA-CB	6.24	1.63	1.53
1	2M	1	ASP	C-N	6.24	1.42	1.34
1	2M	66	ARG	C-O	6.24	1.31	1.23
1	22	1	ASP	C-N	6.24	1.42	1.34
1	22	66	ARG	C-O	6.24	1.31	1.23
2	3B	217	PRO	CA-CB	6.24	1.63	1.53
2	3J	217	PRO	CA-CB	6.24	1.63	1.53
1	3M	1	ASP	C-N	6.24	1.42	1.34
1	3M	66	ARG	C-O	6.24	1.31	1.23
2	33	217	PRO	CA-CB	6.24	1.63	1.53
1	36	1	ASP	C-N	6.24	1.42	1.34
1	36	66	ARG	C-O	6.24	1.31	1.23
2	4F	217	PRO	CA-CB	6.24	1.63	1.53
1	4I	1	ASP	C-N	6.24	1.42	1.34
1	4I	66	ARG	C-O	6.24	1.31	1.23
1	4Q	1	ASP	C-N	6.24	1.42	1.34
1	4Q	66	ARG	C-O	6.24	1.31	1.23
2	4Z	217	PRO	CA-CB	6.24	1.63	1.53
2	5V	217	PRO	CA-CB	6.24	1.63	1.53
1	5Y	1	ASP	C-N	6.24	1.42	1.34
1	5Y	66	ARG	C-O	6.24	1.31	1.23
1	6E	1	ASP	C-N	6.24	1.42	1.34
1	6E	66	ARG	C-O	6.24	1.31	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	217	PRO	CA-CB	6.24	1.63	1.53
2	6V	217	PRO	CA-CB	6.24	1.63	1.53
1	6Y	1	ASP	C-N	6.24	1.42	1.34
1	6Y	66	ARG	C-O	6.24	1.31	1.23
2	7F	217	PRO	CA-CB	6.24	1.63	1.53
1	7I	1	ASP	C-N	6.24	1.42	1.34
1	7I	66	ARG	C-O	6.24	1.31	1.23
2	7R	217	PRO	CA-CB	6.24	1.63	1.53
1	7U	1	ASP	C-N	6.24	1.42	1.34
1	7U	66	ARG	C-O	6.24	1.31	1.23
2	1F	42	HIS	C-N	6.24	1.42	1.33
2	1F	217	PRO	CA-CB	6.24	1.63	1.53
2	2N	42	HIS	C-N	6.24	1.42	1.33
2	2N	217	PRO	CA-CB	6.24	1.63	1.53
2	23	42	HIS	C-N	6.24	1.42	1.33
2	23	217	PRO	CA-CB	6.24	1.63	1.53
2	3N	42	HIS	C-N	6.24	1.42	1.33
2	3N	217	PRO	CA-CB	6.24	1.63	1.53
2	37	42	HIS	C-N	6.24	1.42	1.33
2	37	217	PRO	CA-CB	6.24	1.63	1.53
2	4J	42	HIS	C-N	6.24	1.42	1.33
2	4J	217	PRO	CA-CB	6.24	1.63	1.53
2	4R	42	HIS	C-N	6.24	1.42	1.33
2	4R	217	PRO	CA-CB	6.24	1.63	1.53
2	5Z	42	HIS	C-N	6.24	1.42	1.33
2	5Z	217	PRO	CA-CB	6.24	1.63	1.53
2	6F	42	HIS	C-N	6.24	1.42	1.33
2	6F	217	PRO	CA-CB	6.24	1.63	1.53
2	6Z	42	HIS	C-N	6.24	1.42	1.33
2	6Z	217	PRO	CA-CB	6.24	1.63	1.53
2	7J	42	HIS	C-N	6.24	1.42	1.33
2	7J	217	PRO	CA-CB	6.24	1.63	1.53
2	7V	42	HIS	C-N	6.24	1.42	1.33
2	7V	217	PRO	CA-CB	6.24	1.63	1.53
1	1Q	66	ARG	C-O	6.24	1.31	1.23
1	1U	66	ARG	C-O	6.24	1.31	1.23
1	1Y	66	ARG	C-O	6.24	1.31	1.23
1	2Q	66	ARG	C-O	6.24	1.31	1.23
1	2U	66	ARG	C-O	6.24	1.31	1.23
1	2Y	66	ARG	C-O	6.24	1.31	1.23
1	42	66	ARG	C-O	6.24	1.31	1.23
1	46	66	ARG	C-O	6.24	1.31	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	66	ARG	C-O	6.24	1.31	1.23
1	52	66	ARG	C-O	6.24	1.31	1.23
1	56	66	ARG	C-O	6.24	1.31	1.23
1	6A	66	ARG	C-O	6.24	1.31	1.23
1	1M	29	TYR	CD2-CE2	6.24	1.57	1.38
1	2I	29	TYR	CD2-CE2	6.24	1.57	1.38
1	3A	29	TYR	CD2-CE2	6.24	1.57	1.38
1	3I	29	TYR	CD2-CE2	6.24	1.57	1.38
1	32	29	TYR	CD2-CE2	6.24	1.57	1.38
1	4E	29	TYR	CD2-CE2	6.24	1.57	1.38
1	4Y	29	TYR	CD2-CE2	6.24	1.57	1.38
1	5U	29	TYR	CD2-CE2	6.24	1.57	1.38
1	6M	29	TYR	CD2-CE2	6.24	1.57	1.38
1	6U	29	TYR	CD2-CE2	6.24	1.57	1.38
1	7E	29	TYR	CD2-CE2	6.24	1.57	1.38
1	7Q	29	TYR	CD2-CE2	6.24	1.57	1.38
2	1F	70	TRP	C-N	-6.23	1.25	1.33
2	2N	70	TRP	C-N	-6.23	1.25	1.33
2	23	70	TRP	C-N	-6.23	1.25	1.33
2	3N	70	TRP	C-N	-6.23	1.25	1.33
2	37	70	TRP	C-N	-6.23	1.25	1.33
2	4J	70	TRP	C-N	-6.23	1.25	1.33
2	4R	70	TRP	C-N	-6.23	1.25	1.33
2	5Z	70	TRP	C-N	-6.23	1.25	1.33
2	6F	70	TRP	C-N	-6.23	1.25	1.33
2	6Z	70	TRP	C-N	-6.23	1.25	1.33
2	7J	70	TRP	C-N	-6.23	1.25	1.33
2	7V	70	TRP	C-N	-6.23	1.25	1.33
1	1E	36	THR	N-CA	-6.23	1.38	1.46
2	1R	42	HIS	C-N	6.23	1.42	1.33
2	1V	42	HIS	C-N	6.23	1.42	1.33
2	1Z	42	HIS	C-N	6.23	1.42	1.33
1	2M	36	THR	N-CA	-6.23	1.38	1.46
2	2R	42	HIS	C-N	6.23	1.42	1.33
2	2V	42	HIS	C-N	6.23	1.42	1.33
2	2Z	42	HIS	C-N	6.23	1.42	1.33
1	22	36	THR	N-CA	-6.23	1.38	1.46
1	3M	36	THR	N-CA	-6.23	1.38	1.46
1	36	36	THR	N-CA	-6.23	1.38	1.46
1	4I	36	THR	N-CA	-6.23	1.38	1.46
1	4Q	36	THR	N-CA	-6.23	1.38	1.46
2	43	42	HIS	C-N	6.23	1.42	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	42	HIS	C-N	6.23	1.42	1.33
2	5B	42	HIS	C-N	6.23	1.42	1.33
1	5Y	36	THR	N-CA	-6.23	1.38	1.46
2	53	42	HIS	C-N	6.23	1.42	1.33
2	57	42	HIS	C-N	6.23	1.42	1.33
2	6B	42	HIS	C-N	6.23	1.42	1.33
1	6E	36	THR	N-CA	-6.23	1.38	1.46
1	6Y	36	THR	N-CA	-6.23	1.38	1.46
1	7I	36	THR	N-CA	-6.23	1.38	1.46
1	7U	36	THR	N-CA	-6.23	1.38	1.46
1	1M	36	THR	N-CA	-6.22	1.38	1.46
2	13	42	HIS	C-N	6.22	1.42	1.33
2	17	42	HIS	C-N	6.22	1.42	1.33
2	2B	42	HIS	C-N	6.22	1.42	1.33
1	2I	36	THR	N-CA	-6.22	1.38	1.46
1	3A	36	THR	N-CA	-6.22	1.38	1.46
1	3I	36	THR	N-CA	-6.22	1.38	1.46
2	3R	42	HIS	C-N	6.22	1.42	1.33
2	3V	42	HIS	C-N	6.22	1.42	1.33
2	3Z	42	HIS	C-N	6.22	1.42	1.33
1	32	36	THR	N-CA	-6.22	1.38	1.46
1	4E	36	THR	N-CA	-6.22	1.38	1.46
1	4Y	36	THR	N-CA	-6.22	1.38	1.46
2	5F	42	HIS	C-N	6.22	1.42	1.33
2	5J	42	HIS	C-N	6.22	1.42	1.33
2	5N	42	HIS	C-N	6.22	1.42	1.33
1	5U	36	THR	N-CA	-6.22	1.38	1.46
1	6M	36	THR	N-CA	-6.22	1.38	1.46
1	6U	36	THR	N-CA	-6.22	1.38	1.46
2	63	42	HIS	C-N	6.22	1.42	1.33
2	67	42	HIS	C-N	6.22	1.42	1.33
2	7B	42	HIS	C-N	6.22	1.42	1.33
1	7E	36	THR	N-CA	-6.22	1.38	1.46
1	7Q	36	THR	N-CA	-6.22	1.38	1.46
1	1Q	81	ASN	N-CA	6.22	1.53	1.45
1	1U	81	ASN	N-CA	6.22	1.53	1.45
1	1Y	81	ASN	N-CA	6.22	1.53	1.45
1	2Q	81	ASN	N-CA	6.22	1.53	1.45
1	2U	81	ASN	N-CA	6.22	1.53	1.45
1	2Y	81	ASN	N-CA	6.22	1.53	1.45
1	42	81	ASN	N-CA	6.22	1.53	1.45
1	46	81	ASN	N-CA	6.22	1.53	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	81	ASN	N-CA	6.22	1.53	1.45
1	52	81	ASN	N-CA	6.22	1.53	1.45
1	56	81	ASN	N-CA	6.22	1.53	1.45
1	6A	81	ASN	N-CA	6.22	1.53	1.45
1	1Q	1	ASP	C-N	6.21	1.42	1.34
1	1U	1	ASP	C-N	6.21	1.42	1.34
1	1Y	1	ASP	C-N	6.21	1.42	1.34
1	2Q	1	ASP	C-N	6.21	1.42	1.34
1	2U	1	ASP	C-N	6.21	1.42	1.34
1	2Y	1	ASP	C-N	6.21	1.42	1.34
1	42	1	ASP	C-N	6.21	1.42	1.34
1	46	1	ASP	C-N	6.21	1.42	1.34
1	5A	1	ASP	C-N	6.21	1.42	1.34
1	52	1	ASP	C-N	6.21	1.42	1.34
1	56	1	ASP	C-N	6.21	1.42	1.34
1	6A	1	ASP	C-N	6.21	1.42	1.34
1	1A	66	ARG	C-O	6.21	1.31	1.23
1	1I	66	ARG	C-O	6.21	1.31	1.23
1	2E	66	ARG	C-O	6.21	1.31	1.23
1	26	66	ARG	C-O	6.21	1.31	1.23
1	3E	66	ARG	C-O	6.21	1.31	1.23
1	4A	66	ARG	C-O	6.21	1.31	1.23
1	4M	66	ARG	C-O	6.21	1.31	1.23
1	4U	66	ARG	C-O	6.21	1.31	1.23
1	5Q	66	ARG	C-O	6.21	1.31	1.23
1	6I	66	ARG	C-O	6.21	1.31	1.23
1	6Q	66	ARG	C-O	6.21	1.31	1.23
1	7M	66	ARG	C-O	6.21	1.31	1.23
1	1A	1	ASP	C-N	6.21	1.42	1.34
2	1B	42	HIS	C-N	6.21	1.42	1.33
1	1I	1	ASP	C-N	6.21	1.42	1.34
2	1J	42	HIS	C-N	6.21	1.42	1.33
1	2E	1	ASP	C-N	6.21	1.42	1.34
2	2F	42	HIS	C-N	6.21	1.42	1.33
1	26	1	ASP	C-N	6.21	1.42	1.34
2	27	42	HIS	C-N	6.21	1.42	1.33
1	3E	1	ASP	C-N	6.21	1.42	1.34
2	3F	42	HIS	C-N	6.21	1.42	1.33
1	4A	1	ASP	C-N	6.21	1.42	1.34
2	4B	42	HIS	C-N	6.21	1.42	1.33
1	4M	1	ASP	C-N	6.21	1.42	1.34
2	4N	42	HIS	C-N	6.21	1.42	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4U	1	ASP	C-N	6.21	1.42	1.34
2	4V	42	HIS	C-N	6.21	1.42	1.33
1	5Q	1	ASP	C-N	6.21	1.42	1.34
2	5R	42	HIS	C-N	6.21	1.42	1.33
1	6I	1	ASP	C-N	6.21	1.42	1.34
2	6J	42	HIS	C-N	6.21	1.42	1.33
1	6Q	1	ASP	C-N	6.21	1.42	1.34
2	6R	42	HIS	C-N	6.21	1.42	1.33
1	7M	1	ASP	C-N	6.21	1.42	1.34
2	7N	42	HIS	C-N	6.21	1.42	1.33
1	12	66	ARG	C-O	6.20	1.31	1.23
1	16	66	ARG	C-O	6.20	1.31	1.23
1	2A	66	ARG	C-O	6.20	1.31	1.23
1	3Q	66	ARG	C-O	6.20	1.31	1.23
1	3U	66	ARG	C-O	6.20	1.31	1.23
1	3Y	66	ARG	C-O	6.20	1.31	1.23
1	5E	66	ARG	C-O	6.20	1.31	1.23
1	5I	66	ARG	C-O	6.20	1.31	1.23
1	5M	66	ARG	C-O	6.20	1.31	1.23
1	62	66	ARG	C-O	6.20	1.31	1.23
1	66	66	ARG	C-O	6.20	1.31	1.23
1	7A	66	ARG	C-O	6.20	1.31	1.23
1	1Q	36	THR	N-CA	-6.20	1.38	1.46
1	1U	36	THR	N-CA	-6.20	1.38	1.46
1	1Y	36	THR	N-CA	-6.20	1.38	1.46
1	12	81	ASN	N-CA	6.20	1.53	1.45
1	16	81	ASN	N-CA	6.20	1.53	1.45
1	2A	81	ASN	N-CA	6.20	1.53	1.45
1	2Q	36	THR	N-CA	-6.20	1.38	1.46
1	2U	36	THR	N-CA	-6.20	1.38	1.46
1	2Y	36	THR	N-CA	-6.20	1.38	1.46
1	3Q	81	ASN	N-CA	6.20	1.53	1.45
1	3U	81	ASN	N-CA	6.20	1.53	1.45
1	3Y	81	ASN	N-CA	6.20	1.53	1.45
1	42	36	THR	N-CA	-6.20	1.38	1.46
1	46	36	THR	N-CA	-6.20	1.38	1.46
1	5A	36	THR	N-CA	-6.20	1.38	1.46
1	5E	81	ASN	N-CA	6.20	1.53	1.45
1	5I	81	ASN	N-CA	6.20	1.53	1.45
1	5M	81	ASN	N-CA	6.20	1.53	1.45
1	52	36	THR	N-CA	-6.20	1.38	1.46
1	56	36	THR	N-CA	-6.20	1.38	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6A	36	THR	N-CA	-6.20	1.38	1.46
1	62	81	ASN	N-CA	6.20	1.53	1.45
1	66	81	ASN	N-CA	6.20	1.53	1.45
1	7A	81	ASN	N-CA	6.20	1.53	1.45
1	12	42	VAL	C-O	6.20	1.31	1.24
1	16	42	VAL	C-O	6.20	1.31	1.24
1	2A	42	VAL	C-O	6.20	1.31	1.24
1	3Q	42	VAL	C-O	6.20	1.31	1.24
1	3U	42	VAL	C-O	6.20	1.31	1.24
1	3Y	42	VAL	C-O	6.20	1.31	1.24
1	5E	42	VAL	C-O	6.20	1.31	1.24
1	5I	42	VAL	C-O	6.20	1.31	1.24
1	5M	42	VAL	C-O	6.20	1.31	1.24
1	62	42	VAL	C-O	6.20	1.31	1.24
1	66	42	VAL	C-O	6.20	1.31	1.24
1	7A	42	VAL	C-O	6.20	1.31	1.24
1	1M	66	ARG	C-O	6.20	1.31	1.23
1	2I	66	ARG	C-O	6.20	1.31	1.23
1	3A	66	ARG	C-O	6.20	1.31	1.23
1	3I	66	ARG	C-O	6.20	1.31	1.23
1	32	66	ARG	C-O	6.20	1.31	1.23
1	4E	66	ARG	C-O	6.20	1.31	1.23
1	4Y	66	ARG	C-O	6.20	1.31	1.23
1	5U	66	ARG	C-O	6.20	1.31	1.23
1	6M	66	ARG	C-O	6.20	1.31	1.23
1	6U	66	ARG	C-O	6.20	1.31	1.23
1	7E	66	ARG	C-O	6.20	1.31	1.23
1	7Q	66	ARG	C-O	6.20	1.31	1.23
1	12	36	THR	N-CA	-6.19	1.38	1.46
1	16	36	THR	N-CA	-6.19	1.38	1.46
1	2A	36	THR	N-CA	-6.19	1.38	1.46
1	3Q	36	THR	N-CA	-6.19	1.38	1.46
1	3U	36	THR	N-CA	-6.19	1.38	1.46
1	3Y	36	THR	N-CA	-6.19	1.38	1.46
1	5E	36	THR	N-CA	-6.19	1.38	1.46
1	5I	36	THR	N-CA	-6.19	1.38	1.46
1	5M	36	THR	N-CA	-6.19	1.38	1.46
1	62	36	THR	N-CA	-6.19	1.38	1.46
1	66	36	THR	N-CA	-6.19	1.38	1.46
1	7A	36	THR	N-CA	-6.19	1.38	1.46
2	1N	41	PHE	CG-CD1	-6.19	1.25	1.38
2	2J	41	PHE	CG-CD1	-6.19	1.25	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	41	PHE	CG-CD1	-6.19	1.25	1.38
2	3J	41	PHE	CG-CD1	-6.19	1.25	1.38
2	33	41	PHE	CG-CD1	-6.19	1.25	1.38
2	4F	41	PHE	CG-CD1	-6.19	1.25	1.38
2	4Z	41	PHE	CG-CD1	-6.19	1.25	1.38
2	5V	41	PHE	CG-CD1	-6.19	1.25	1.38
2	6N	41	PHE	CG-CD1	-6.19	1.25	1.38
2	6V	41	PHE	CG-CD1	-6.19	1.25	1.38
2	7F	41	PHE	CG-CD1	-6.19	1.25	1.38
2	7R	41	PHE	CG-CD1	-6.19	1.25	1.38
2	1F	41	PHE	CG-CD1	-6.18	1.25	1.38
2	2N	41	PHE	CG-CD1	-6.18	1.25	1.38
2	23	41	PHE	CG-CD1	-6.18	1.25	1.38
2	3N	41	PHE	CG-CD1	-6.18	1.25	1.38
2	37	41	PHE	CG-CD1	-6.18	1.25	1.38
2	4J	41	PHE	CG-CD1	-6.18	1.25	1.38
2	4R	41	PHE	CG-CD1	-6.18	1.25	1.38
2	5Z	41	PHE	CG-CD1	-6.18	1.25	1.38
2	6F	41	PHE	CG-CD1	-6.18	1.25	1.38
2	6Z	41	PHE	CG-CD1	-6.18	1.25	1.38
2	7J	41	PHE	CG-CD1	-6.18	1.25	1.38
2	7V	41	PHE	CG-CD1	-6.18	1.25	1.38
1	12	1	ASP	C-N	6.18	1.42	1.34
1	16	1	ASP	C-N	6.18	1.42	1.34
1	2A	1	ASP	C-N	6.18	1.42	1.34
1	3Q	1	ASP	C-N	6.18	1.42	1.34
1	3U	1	ASP	C-N	6.18	1.42	1.34
1	3Y	1	ASP	C-N	6.18	1.42	1.34
1	5E	1	ASP	C-N	6.18	1.42	1.34
1	5I	1	ASP	C-N	6.18	1.42	1.34
1	5M	1	ASP	C-N	6.18	1.42	1.34
1	62	1	ASP	C-N	6.18	1.42	1.34
1	66	1	ASP	C-N	6.18	1.42	1.34
1	7A	1	ASP	C-N	6.18	1.42	1.34
1	1M	150	TYR	CD1-CE1	-6.17	1.20	1.38
1	2I	150	TYR	CD1-CE1	-6.17	1.20	1.38
1	3A	150	TYR	CD1-CE1	-6.17	1.20	1.38
1	3I	150	TYR	CD1-CE1	-6.17	1.20	1.38
1	32	150	TYR	CD1-CE1	-6.17	1.20	1.38
1	4E	150	TYR	CD1-CE1	-6.17	1.20	1.38
1	4Y	150	TYR	CD1-CE1	-6.17	1.20	1.38
1	5U	150	TYR	CD1-CE1	-6.17	1.20	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	150	TYR	CD1-CE1	-6.17	1.20	1.38
1	6U	150	TYR	CD1-CE1	-6.17	1.20	1.38
1	7E	150	TYR	CD1-CE1	-6.17	1.20	1.38
1	7Q	150	TYR	CD1-CE1	-6.17	1.20	1.38
2	13	41	PHE	CG-CD1	-6.17	1.25	1.38
2	17	41	PHE	CG-CD1	-6.17	1.25	1.38
2	2B	41	PHE	CG-CD1	-6.17	1.25	1.38
2	3R	41	PHE	CG-CD1	-6.17	1.25	1.38
2	3V	41	PHE	CG-CD1	-6.17	1.25	1.38
2	3Z	41	PHE	CG-CD1	-6.17	1.25	1.38
2	5F	41	PHE	CG-CD1	-6.17	1.25	1.38
2	5J	41	PHE	CG-CD1	-6.17	1.25	1.38
2	5N	41	PHE	CG-CD1	-6.17	1.25	1.38
2	63	41	PHE	CG-CD1	-6.17	1.25	1.38
2	67	41	PHE	CG-CD1	-6.17	1.25	1.38
2	7B	41	PHE	CG-CD1	-6.17	1.25	1.38
2	1B	41	PHE	CG-CD1	-6.17	1.25	1.38
2	1J	41	PHE	CG-CD1	-6.17	1.25	1.38
2	2F	41	PHE	CG-CD1	-6.17	1.25	1.38
2	27	41	PHE	CG-CD1	-6.17	1.25	1.38
2	3F	41	PHE	CG-CD1	-6.17	1.25	1.38
2	4B	41	PHE	CG-CD1	-6.17	1.25	1.38
2	4N	41	PHE	CG-CD1	-6.17	1.25	1.38
2	4V	41	PHE	CG-CD1	-6.17	1.25	1.38
2	5R	41	PHE	CG-CD1	-6.17	1.25	1.38
2	6J	41	PHE	CG-CD1	-6.17	1.25	1.38
2	6R	41	PHE	CG-CD1	-6.17	1.25	1.38
2	7N	41	PHE	CG-CD1	-6.17	1.25	1.38
1	1A	36	THR	N-CA	-6.16	1.38	1.46
1	1I	36	THR	N-CA	-6.16	1.38	1.46
1	2E	36	THR	N-CA	-6.16	1.38	1.46
1	26	36	THR	N-CA	-6.16	1.38	1.46
1	3E	36	THR	N-CA	-6.16	1.38	1.46
1	4A	36	THR	N-CA	-6.16	1.38	1.46
1	4M	36	THR	N-CA	-6.16	1.38	1.46
1	4U	36	THR	N-CA	-6.16	1.38	1.46
1	5Q	36	THR	N-CA	-6.16	1.38	1.46
1	6I	36	THR	N-CA	-6.16	1.38	1.46
1	6Q	36	THR	N-CA	-6.16	1.38	1.46
1	7M	36	THR	N-CA	-6.16	1.38	1.46
1	1E	65	PHE	CG-CD2	6.16	1.51	1.38
2	1R	41	PHE	CG-CD1	-6.16	1.25	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1V	41	PHE	CG-CD1	-6.16	1.25	1.38
2	1Z	41	PHE	CG-CD1	-6.16	1.25	1.38
1	2M	65	PHE	CG-CD2	6.16	1.51	1.38
2	2R	41	PHE	CG-CD1	-6.16	1.25	1.38
2	2V	41	PHE	CG-CD1	-6.16	1.25	1.38
2	2Z	41	PHE	CG-CD1	-6.16	1.25	1.38
1	22	65	PHE	CG-CD2	6.16	1.51	1.38
1	3M	65	PHE	CG-CD2	6.16	1.51	1.38
1	36	65	PHE	CG-CD2	6.16	1.51	1.38
1	4I	65	PHE	CG-CD2	6.16	1.51	1.38
1	4Q	65	PHE	CG-CD2	6.16	1.51	1.38
2	43	41	PHE	CG-CD1	-6.16	1.25	1.38
2	47	41	PHE	CG-CD1	-6.16	1.25	1.38
2	5B	41	PHE	CG-CD1	-6.16	1.25	1.38
1	5Y	65	PHE	CG-CD2	6.16	1.51	1.38
2	53	41	PHE	CG-CD1	-6.16	1.25	1.38
2	57	41	PHE	CG-CD1	-6.16	1.25	1.38
2	6B	41	PHE	CG-CD1	-6.16	1.25	1.38
1	6E	65	PHE	CG-CD2	6.16	1.51	1.38
1	6Y	65	PHE	CG-CD2	6.16	1.51	1.38
1	7I	65	PHE	CG-CD2	6.16	1.51	1.38
1	7U	65	PHE	CG-CD2	6.16	1.51	1.38
1	1A	34	ALA	CA-C	-6.15	1.44	1.53
1	1I	34	ALA	CA-C	-6.15	1.44	1.53
1	1Q	34	ALA	CA-C	-6.15	1.44	1.53
1	1Q	42	VAL	C-O	6.15	1.31	1.24
1	1U	34	ALA	CA-C	-6.15	1.44	1.53
1	1U	42	VAL	C-O	6.15	1.31	1.24
1	1Y	34	ALA	CA-C	-6.15	1.44	1.53
1	1Y	42	VAL	C-O	6.15	1.31	1.24
1	2E	34	ALA	CA-C	-6.15	1.44	1.53
1	2Q	34	ALA	CA-C	-6.15	1.44	1.53
1	2Q	42	VAL	C-O	6.15	1.31	1.24
1	2U	34	ALA	CA-C	-6.15	1.44	1.53
1	2U	42	VAL	C-O	6.15	1.31	1.24
1	2Y	34	ALA	CA-C	-6.15	1.44	1.53
1	2Y	42	VAL	C-O	6.15	1.31	1.24
1	26	34	ALA	CA-C	-6.15	1.44	1.53
1	3E	34	ALA	CA-C	-6.15	1.44	1.53
1	4A	34	ALA	CA-C	-6.15	1.44	1.53
1	4M	34	ALA	CA-C	-6.15	1.44	1.53
1	4U	34	ALA	CA-C	-6.15	1.44	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	42	34	ALA	CA-C	-6.15	1.44	1.53
1	42	42	VAL	C-O	6.15	1.31	1.24
1	46	34	ALA	CA-C	-6.15	1.44	1.53
1	46	42	VAL	C-O	6.15	1.31	1.24
1	5A	34	ALA	CA-C	-6.15	1.44	1.53
1	5A	42	VAL	C-O	6.15	1.31	1.24
1	5Q	34	ALA	CA-C	-6.15	1.44	1.53
1	52	34	ALA	CA-C	-6.15	1.44	1.53
1	52	42	VAL	C-O	6.15	1.31	1.24
1	56	34	ALA	CA-C	-6.15	1.44	1.53
1	56	42	VAL	C-O	6.15	1.31	1.24
1	6A	34	ALA	CA-C	-6.15	1.44	1.53
1	6A	42	VAL	C-O	6.15	1.31	1.24
1	6I	34	ALA	CA-C	-6.15	1.44	1.53
1	6Q	34	ALA	CA-C	-6.15	1.44	1.53
1	7M	34	ALA	CA-C	-6.15	1.44	1.53
1	1M	42	VAL	C-O	6.15	1.31	1.24
1	2I	42	VAL	C-O	6.15	1.31	1.24
1	3A	42	VAL	C-O	6.15	1.31	1.24
1	3I	42	VAL	C-O	6.15	1.31	1.24
1	32	42	VAL	C-O	6.15	1.31	1.24
1	4E	42	VAL	C-O	6.15	1.31	1.24
1	4Y	42	VAL	C-O	6.15	1.31	1.24
1	5U	42	VAL	C-O	6.15	1.31	1.24
1	6M	42	VAL	C-O	6.15	1.31	1.24
1	6U	42	VAL	C-O	6.15	1.31	1.24
1	7E	42	VAL	C-O	6.15	1.31	1.24
1	7Q	42	VAL	C-O	6.15	1.31	1.24
1	1A	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	1E	34	ALA	CA-C	-6.14	1.44	1.53
1	1I	150	TYR	CD1-CE1	-6.14	1.20	1.38
2	13	81	LEU	CA-CB	6.14	1.63	1.53
2	17	81	LEU	CA-CB	6.14	1.63	1.53
2	2B	81	LEU	CA-CB	6.14	1.63	1.53
1	2E	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	2M	34	ALA	CA-C	-6.14	1.44	1.53
1	22	34	ALA	CA-C	-6.14	1.44	1.53
1	26	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	3E	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	3M	34	ALA	CA-C	-6.14	1.44	1.53
2	3R	81	LEU	CA-CB	6.14	1.63	1.53
2	3V	81	LEU	CA-CB	6.14	1.63	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3Z	81	LEU	CA-CB	6.14	1.63	1.53
1	36	34	ALA	CA-C	-6.14	1.44	1.53
1	4A	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	4I	34	ALA	CA-C	-6.14	1.44	1.53
1	4M	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	4Q	34	ALA	CA-C	-6.14	1.44	1.53
1	4U	150	TYR	CD1-CE1	-6.14	1.20	1.38
2	5F	81	LEU	CA-CB	6.14	1.63	1.53
2	5J	81	LEU	CA-CB	6.14	1.63	1.53
2	5N	81	LEU	CA-CB	6.14	1.63	1.53
1	5Q	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	5Y	34	ALA	CA-C	-6.14	1.44	1.53
1	6E	34	ALA	CA-C	-6.14	1.44	1.53
1	6I	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	6Q	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	6Y	34	ALA	CA-C	-6.14	1.44	1.53
2	63	81	LEU	CA-CB	6.14	1.63	1.53
2	67	81	LEU	CA-CB	6.14	1.63	1.53
2	7B	81	LEU	CA-CB	6.14	1.63	1.53
1	7I	34	ALA	CA-C	-6.14	1.44	1.53
1	7M	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	7U	34	ALA	CA-C	-6.14	1.44	1.53
2	1N	81	LEU	CA-CB	6.14	1.63	1.53
1	1Q	65	PHE	CG-CD2	6.14	1.51	1.38
1	1U	65	PHE	CG-CD2	6.14	1.51	1.38
1	1Y	65	PHE	CG-CD2	6.14	1.51	1.38
1	12	65	PHE	CG-CD2	6.14	1.51	1.38
1	12	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	16	65	PHE	CG-CD2	6.14	1.51	1.38
1	16	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	2A	65	PHE	CG-CD2	6.14	1.51	1.38
1	2A	150	TYR	CD1-CE1	-6.14	1.20	1.38
2	2J	81	LEU	CA-CB	6.14	1.63	1.53
1	2Q	65	PHE	CG-CD2	6.14	1.51	1.38
1	2U	65	PHE	CG-CD2	6.14	1.51	1.38
1	2Y	65	PHE	CG-CD2	6.14	1.51	1.38
2	3B	81	LEU	CA-CB	6.14	1.63	1.53
2	3J	81	LEU	CA-CB	6.14	1.63	1.53
1	3Q	65	PHE	CG-CD2	6.14	1.51	1.38
1	3Q	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	3U	65	PHE	CG-CD2	6.14	1.51	1.38
1	3U	150	TYR	CD1-CE1	-6.14	1.20	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3Y	65	PHE	CG-CD2	6.14	1.51	1.38
1	3Y	150	TYR	CD1-CE1	-6.14	1.20	1.38
2	33	81	LEU	CA-CB	6.14	1.63	1.53
2	4F	81	LEU	CA-CB	6.14	1.63	1.53
2	4Z	81	LEU	CA-CB	6.14	1.63	1.53
1	42	65	PHE	CG-CD2	6.14	1.51	1.38
1	46	65	PHE	CG-CD2	6.14	1.51	1.38
1	5A	65	PHE	CG-CD2	6.14	1.51	1.38
1	5E	65	PHE	CG-CD2	6.14	1.51	1.38
1	5E	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	5I	65	PHE	CG-CD2	6.14	1.51	1.38
1	5I	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	5M	65	PHE	CG-CD2	6.14	1.51	1.38
1	5M	150	TYR	CD1-CE1	-6.14	1.20	1.38
2	5V	81	LEU	CA-CB	6.14	1.63	1.53
1	52	65	PHE	CG-CD2	6.14	1.51	1.38
1	56	65	PHE	CG-CD2	6.14	1.51	1.38
1	6A	65	PHE	CG-CD2	6.14	1.51	1.38
2	6N	81	LEU	CA-CB	6.14	1.63	1.53
2	6V	81	LEU	CA-CB	6.14	1.63	1.53
1	62	65	PHE	CG-CD2	6.14	1.51	1.38
1	62	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	66	65	PHE	CG-CD2	6.14	1.51	1.38
1	66	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	7A	65	PHE	CG-CD2	6.14	1.51	1.38
1	7A	150	TYR	CD1-CE1	-6.14	1.20	1.38
2	7F	81	LEU	CA-CB	6.14	1.63	1.53
2	7R	81	LEU	CA-CB	6.14	1.63	1.53
1	1E	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	2M	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	22	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	3M	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	36	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	4I	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	4Q	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	5Y	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	6E	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	6Y	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	7I	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	7U	150	TYR	CD1-CE1	-6.14	1.20	1.38
2	1F	81	LEU	CA-CB	6.14	1.63	1.53
1	1Q	150	TYR	CD1-CE1	-6.14	1.20	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1U	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	1Y	150	TYR	CD1-CE1	-6.14	1.20	1.38
2	2N	81	LEU	CA-CB	6.14	1.63	1.53
1	2Q	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	2U	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	2Y	150	TYR	CD1-CE1	-6.14	1.20	1.38
2	23	81	LEU	CA-CB	6.14	1.63	1.53
2	3N	81	LEU	CA-CB	6.14	1.63	1.53
2	37	81	LEU	CA-CB	6.14	1.63	1.53
2	4J	81	LEU	CA-CB	6.14	1.63	1.53
2	4R	81	LEU	CA-CB	6.14	1.63	1.53
1	42	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	46	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	5A	150	TYR	CD1-CE1	-6.14	1.20	1.38
2	5Z	81	LEU	CA-CB	6.14	1.63	1.53
1	52	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	56	150	TYR	CD1-CE1	-6.14	1.20	1.38
1	6A	150	TYR	CD1-CE1	-6.14	1.20	1.38
2	6F	81	LEU	CA-CB	6.14	1.63	1.53
2	6Z	81	LEU	CA-CB	6.14	1.63	1.53
2	7J	81	LEU	CA-CB	6.14	1.63	1.53
2	7V	81	LEU	CA-CB	6.14	1.63	1.53
1	1A	65	PHE	CG-CD2	6.14	1.51	1.38
1	1I	65	PHE	CG-CD2	6.14	1.51	1.38
1	2E	65	PHE	CG-CD2	6.14	1.51	1.38
1	26	65	PHE	CG-CD2	6.14	1.51	1.38
1	3E	65	PHE	CG-CD2	6.14	1.51	1.38
1	4A	65	PHE	CG-CD2	6.14	1.51	1.38
1	4M	65	PHE	CG-CD2	6.14	1.51	1.38
1	4U	65	PHE	CG-CD2	6.14	1.51	1.38
1	5Q	65	PHE	CG-CD2	6.14	1.51	1.38
1	6I	65	PHE	CG-CD2	6.14	1.51	1.38
1	6Q	65	PHE	CG-CD2	6.14	1.51	1.38
1	7M	65	PHE	CG-CD2	6.14	1.51	1.38
1	1A	42	VAL	C-O	6.13	1.31	1.24
1	1I	42	VAL	C-O	6.13	1.31	1.24
1	1M	65	PHE	CG-CD2	6.13	1.51	1.38
1	2E	42	VAL	C-O	6.13	1.31	1.24
1	2I	65	PHE	CG-CD2	6.13	1.51	1.38
1	26	42	VAL	C-O	6.13	1.31	1.24
1	3A	65	PHE	CG-CD2	6.13	1.51	1.38
1	3E	42	VAL	C-O	6.13	1.31	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3I	65	PHE	CG-CD2	6.13	1.51	1.38
1	32	65	PHE	CG-CD2	6.13	1.51	1.38
1	4A	42	VAL	C-O	6.13	1.31	1.24
1	4E	65	PHE	CG-CD2	6.13	1.51	1.38
1	4M	42	VAL	C-O	6.13	1.31	1.24
1	4U	42	VAL	C-O	6.13	1.31	1.24
1	4Y	65	PHE	CG-CD2	6.13	1.51	1.38
1	5Q	42	VAL	C-O	6.13	1.31	1.24
1	5U	65	PHE	CG-CD2	6.13	1.51	1.38
1	6I	42	VAL	C-O	6.13	1.31	1.24
1	6M	65	PHE	CG-CD2	6.13	1.51	1.38
1	6Q	42	VAL	C-O	6.13	1.31	1.24
1	6U	65	PHE	CG-CD2	6.13	1.51	1.38
1	7E	65	PHE	CG-CD2	6.13	1.51	1.38
1	7M	42	VAL	C-O	6.13	1.31	1.24
1	7Q	65	PHE	CG-CD2	6.13	1.51	1.38
1	12	43	HIS	CD2-NE2	-6.13	1.31	1.37
1	16	43	HIS	CD2-NE2	-6.13	1.31	1.37
1	2A	43	HIS	CD2-NE2	-6.13	1.31	1.37
1	3Q	43	HIS	CD2-NE2	-6.13	1.31	1.37
1	3U	43	HIS	CD2-NE2	-6.13	1.31	1.37
1	3Y	43	HIS	CD2-NE2	-6.13	1.31	1.37
1	5E	43	HIS	CD2-NE2	-6.13	1.31	1.37
1	5I	43	HIS	CD2-NE2	-6.13	1.31	1.37
1	5M	43	HIS	CD2-NE2	-6.13	1.31	1.37
1	62	43	HIS	CD2-NE2	-6.13	1.31	1.37
1	66	43	HIS	CD2-NE2	-6.13	1.31	1.37
1	7A	43	HIS	CD2-NE2	-6.13	1.31	1.37
1	1M	34	ALA	CA-C	-6.13	1.44	1.53
1	2I	34	ALA	CA-C	-6.13	1.44	1.53
1	3A	34	ALA	CA-C	-6.13	1.44	1.53
1	3I	34	ALA	CA-C	-6.13	1.44	1.53
1	32	34	ALA	CA-C	-6.13	1.44	1.53
1	4E	34	ALA	CA-C	-6.13	1.44	1.53
1	4Y	34	ALA	CA-C	-6.13	1.44	1.53
1	5U	34	ALA	CA-C	-6.13	1.44	1.53
1	6M	34	ALA	CA-C	-6.13	1.44	1.53
1	6U	34	ALA	CA-C	-6.13	1.44	1.53
1	7E	34	ALA	CA-C	-6.13	1.44	1.53
1	7Q	34	ALA	CA-C	-6.13	1.44	1.53
2	1B	81	LEU	CA-CB	6.12	1.63	1.53
2	1J	81	LEU	CA-CB	6.12	1.63	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2F	81	LEU	CA-CB	6.12	1.63	1.53
2	27	81	LEU	CA-CB	6.12	1.63	1.53
2	3F	81	LEU	CA-CB	6.12	1.63	1.53
2	4B	81	LEU	CA-CB	6.12	1.63	1.53
2	4N	81	LEU	CA-CB	6.12	1.63	1.53
2	4V	81	LEU	CA-CB	6.12	1.63	1.53
2	5R	81	LEU	CA-CB	6.12	1.63	1.53
2	6J	81	LEU	CA-CB	6.12	1.63	1.53
2	6R	81	LEU	CA-CB	6.12	1.63	1.53
2	7N	81	LEU	CA-CB	6.12	1.63	1.53
1	1Q	43	HIS	CD2-NE2	-6.12	1.31	1.37
1	1U	43	HIS	CD2-NE2	-6.12	1.31	1.37
1	1Y	43	HIS	CD2-NE2	-6.12	1.31	1.37
1	12	34	ALA	CA-C	-6.12	1.44	1.53
1	16	34	ALA	CA-C	-6.12	1.44	1.53
1	2A	34	ALA	CA-C	-6.12	1.44	1.53
1	2Q	43	HIS	CD2-NE2	-6.12	1.31	1.37
1	2U	43	HIS	CD2-NE2	-6.12	1.31	1.37
1	2Y	43	HIS	CD2-NE2	-6.12	1.31	1.37
1	3Q	34	ALA	CA-C	-6.12	1.44	1.53
1	3U	34	ALA	CA-C	-6.12	1.44	1.53
1	3Y	34	ALA	CA-C	-6.12	1.44	1.53
1	42	43	HIS	CD2-NE2	-6.12	1.31	1.37
1	46	43	HIS	CD2-NE2	-6.12	1.31	1.37
1	5A	43	HIS	CD2-NE2	-6.12	1.31	1.37
1	5E	34	ALA	CA-C	-6.12	1.44	1.53
1	5I	34	ALA	CA-C	-6.12	1.44	1.53
1	5M	34	ALA	CA-C	-6.12	1.44	1.53
1	52	43	HIS	CD2-NE2	-6.12	1.31	1.37
1	56	43	HIS	CD2-NE2	-6.12	1.31	1.37
1	6A	43	HIS	CD2-NE2	-6.12	1.31	1.37
1	62	34	ALA	CA-C	-6.12	1.44	1.53
1	66	34	ALA	CA-C	-6.12	1.44	1.53
1	7A	34	ALA	CA-C	-6.12	1.44	1.53
1	1E	42	VAL	C-O	6.12	1.31	1.24
1	2M	42	VAL	C-O	6.12	1.31	1.24
1	22	42	VAL	C-O	6.12	1.31	1.24
1	3M	42	VAL	C-O	6.12	1.31	1.24
1	36	42	VAL	C-O	6.12	1.31	1.24
1	4I	42	VAL	C-O	6.12	1.31	1.24
1	4Q	42	VAL	C-O	6.12	1.31	1.24
1	5Y	42	VAL	C-O	6.12	1.31	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	42	VAL	C-O	6.12	1.31	1.24
1	6Y	42	VAL	C-O	6.12	1.31	1.24
1	7I	42	VAL	C-O	6.12	1.31	1.24
1	7U	42	VAL	C-O	6.12	1.31	1.24
1	1E	8	LEU	C-N	-6.12	1.24	1.33
1	2M	8	LEU	C-N	-6.12	1.24	1.33
1	22	8	LEU	C-N	-6.12	1.24	1.33
1	3M	8	LEU	C-N	-6.12	1.24	1.33
1	36	8	LEU	C-N	-6.12	1.24	1.33
1	4I	8	LEU	C-N	-6.12	1.24	1.33
1	4Q	8	LEU	C-N	-6.12	1.24	1.33
1	5Y	8	LEU	C-N	-6.12	1.24	1.33
1	6E	8	LEU	C-N	-6.12	1.24	1.33
1	6Y	8	LEU	C-N	-6.12	1.24	1.33
1	7I	8	LEU	C-N	-6.12	1.24	1.33
1	7U	8	LEU	C-N	-6.12	1.24	1.33
1	1Q	8	LEU	C-N	-6.11	1.24	1.33
1	1U	8	LEU	C-N	-6.11	1.24	1.33
1	1Y	8	LEU	C-N	-6.11	1.24	1.33
1	2Q	8	LEU	C-N	-6.11	1.24	1.33
1	2U	8	LEU	C-N	-6.11	1.24	1.33
1	2Y	8	LEU	C-N	-6.11	1.24	1.33
1	42	8	LEU	C-N	-6.11	1.24	1.33
1	46	8	LEU	C-N	-6.11	1.24	1.33
1	5A	8	LEU	C-N	-6.11	1.24	1.33
1	52	8	LEU	C-N	-6.11	1.24	1.33
1	56	8	LEU	C-N	-6.11	1.24	1.33
1	6A	8	LEU	C-N	-6.11	1.24	1.33
2	1R	81	LEU	CA-CB	6.11	1.63	1.53
2	1V	81	LEU	CA-CB	6.11	1.63	1.53
2	1Z	81	LEU	CA-CB	6.11	1.63	1.53
2	2R	81	LEU	CA-CB	6.11	1.63	1.53
2	2V	81	LEU	CA-CB	6.11	1.63	1.53
2	2Z	81	LEU	CA-CB	6.11	1.63	1.53
2	43	81	LEU	CA-CB	6.11	1.63	1.53
2	47	81	LEU	CA-CB	6.11	1.63	1.53
2	5B	81	LEU	CA-CB	6.11	1.63	1.53
2	53	81	LEU	CA-CB	6.11	1.63	1.53
2	57	81	LEU	CA-CB	6.11	1.63	1.53
2	6B	81	LEU	CA-CB	6.11	1.63	1.53
2	1N	40	ASN	CB-CG	-6.10	1.36	1.52
2	2J	40	ASN	CB-CG	-6.10	1.36	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	40	ASN	CB-CG	-6.10	1.36	1.52
2	3J	40	ASN	CB-CG	-6.10	1.36	1.52
2	33	40	ASN	CB-CG	-6.10	1.36	1.52
2	4F	40	ASN	CB-CG	-6.10	1.36	1.52
2	4Z	40	ASN	CB-CG	-6.10	1.36	1.52
2	5V	40	ASN	CB-CG	-6.10	1.36	1.52
2	6N	40	ASN	CB-CG	-6.10	1.36	1.52
2	6V	40	ASN	CB-CG	-6.10	1.36	1.52
2	7F	40	ASN	CB-CG	-6.10	1.36	1.52
2	7R	40	ASN	CB-CG	-6.10	1.36	1.52
2	13	40	ASN	CB-CG	-6.10	1.36	1.52
2	17	40	ASN	CB-CG	-6.10	1.36	1.52
2	2B	40	ASN	CB-CG	-6.10	1.36	1.52
2	3R	40	ASN	CB-CG	-6.10	1.36	1.52
2	3V	40	ASN	CB-CG	-6.10	1.36	1.52
2	3Z	40	ASN	CB-CG	-6.10	1.36	1.52
2	5F	40	ASN	CB-CG	-6.10	1.36	1.52
2	5J	40	ASN	CB-CG	-6.10	1.36	1.52
2	5N	40	ASN	CB-CG	-6.10	1.36	1.52
2	63	40	ASN	CB-CG	-6.10	1.36	1.52
2	67	40	ASN	CB-CG	-6.10	1.36	1.52
2	7B	40	ASN	CB-CG	-6.10	1.36	1.52
2	1R	40	ASN	CB-CG	-6.10	1.36	1.52
2	1V	40	ASN	CB-CG	-6.10	1.36	1.52
2	1Z	40	ASN	CB-CG	-6.10	1.36	1.52
2	2R	40	ASN	CB-CG	-6.10	1.36	1.52
2	2V	40	ASN	CB-CG	-6.10	1.36	1.52
2	2Z	40	ASN	CB-CG	-6.10	1.36	1.52
2	43	40	ASN	CB-CG	-6.10	1.36	1.52
2	47	40	ASN	CB-CG	-6.10	1.36	1.52
2	5B	40	ASN	CB-CG	-6.10	1.36	1.52
2	53	40	ASN	CB-CG	-6.10	1.36	1.52
2	57	40	ASN	CB-CG	-6.10	1.36	1.52
2	6B	40	ASN	CB-CG	-6.10	1.36	1.52
2	1F	40	ASN	CB-CG	-6.09	1.36	1.52
2	2N	40	ASN	CB-CG	-6.09	1.36	1.52
2	23	40	ASN	CB-CG	-6.09	1.36	1.52
2	3N	40	ASN	CB-CG	-6.09	1.36	1.52
2	37	40	ASN	CB-CG	-6.09	1.36	1.52
2	4J	40	ASN	CB-CG	-6.09	1.36	1.52
2	4R	40	ASN	CB-CG	-6.09	1.36	1.52
2	5Z	40	ASN	CB-CG	-6.09	1.36	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	40	ASN	CB-CG	-6.09	1.36	1.52
2	6Z	40	ASN	CB-CG	-6.09	1.36	1.52
2	7J	40	ASN	CB-CG	-6.09	1.36	1.52
2	7V	40	ASN	CB-CG	-6.09	1.36	1.52
2	1R	51	GLY	C-O	6.08	1.33	1.24
2	1V	51	GLY	C-O	6.08	1.33	1.24
2	1Z	51	GLY	C-O	6.08	1.33	1.24
2	2R	51	GLY	C-O	6.08	1.33	1.24
2	2V	51	GLY	C-O	6.08	1.33	1.24
2	2Z	51	GLY	C-O	6.08	1.33	1.24
2	43	51	GLY	C-O	6.08	1.33	1.24
2	47	51	GLY	C-O	6.08	1.33	1.24
2	5B	51	GLY	C-O	6.08	1.33	1.24
2	53	51	GLY	C-O	6.08	1.33	1.24
2	57	51	GLY	C-O	6.08	1.33	1.24
2	6B	51	GLY	C-O	6.08	1.33	1.24
2	1R	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	1V	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	1Z	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	2R	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	2V	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	2Z	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	43	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	47	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	5B	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	53	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	57	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	6B	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	1B	51	GLY	C-O	6.08	1.33	1.24
2	1J	51	GLY	C-O	6.08	1.33	1.24
2	2F	51	GLY	C-O	6.08	1.33	1.24
2	27	51	GLY	C-O	6.08	1.33	1.24
2	3F	51	GLY	C-O	6.08	1.33	1.24
2	4B	51	GLY	C-O	6.08	1.33	1.24
2	4N	51	GLY	C-O	6.08	1.33	1.24
2	4V	51	GLY	C-O	6.08	1.33	1.24
2	5R	51	GLY	C-O	6.08	1.33	1.24
2	6J	51	GLY	C-O	6.08	1.33	1.24
2	6R	51	GLY	C-O	6.08	1.33	1.24
2	7N	51	GLY	C-O	6.08	1.33	1.24
2	1B	40	ASN	CB-CG	-6.08	1.36	1.52
2	1F	60	ARG	CZ-NH2	-6.08	1.25	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1J	40	ASN	CB-CG	-6.08	1.36	1.52
1	12	8	LEU	C-N	-6.08	1.25	1.33
1	16	8	LEU	C-N	-6.08	1.25	1.33
1	2A	8	LEU	C-N	-6.08	1.25	1.33
2	2F	40	ASN	CB-CG	-6.08	1.36	1.52
2	2N	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	23	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	27	40	ASN	CB-CG	-6.08	1.36	1.52
2	3F	40	ASN	CB-CG	-6.08	1.36	1.52
2	3N	60	ARG	CZ-NH2	-6.08	1.25	1.33
1	3Q	8	LEU	C-N	-6.08	1.25	1.33
1	3U	8	LEU	C-N	-6.08	1.25	1.33
1	3Y	8	LEU	C-N	-6.08	1.25	1.33
2	37	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	4B	40	ASN	CB-CG	-6.08	1.36	1.52
2	4J	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	4N	40	ASN	CB-CG	-6.08	1.36	1.52
2	4R	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	4V	40	ASN	CB-CG	-6.08	1.36	1.52
1	5E	8	LEU	C-N	-6.08	1.25	1.33
1	5I	8	LEU	C-N	-6.08	1.25	1.33
1	5M	8	LEU	C-N	-6.08	1.25	1.33
2	5R	40	ASN	CB-CG	-6.08	1.36	1.52
2	5Z	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	6F	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	6J	40	ASN	CB-CG	-6.08	1.36	1.52
2	6R	40	ASN	CB-CG	-6.08	1.36	1.52
2	6Z	60	ARG	CZ-NH2	-6.08	1.25	1.33
1	62	8	LEU	C-N	-6.08	1.25	1.33
1	66	8	LEU	C-N	-6.08	1.25	1.33
1	7A	8	LEU	C-N	-6.08	1.25	1.33
2	7J	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	7N	40	ASN	CB-CG	-6.08	1.36	1.52
2	7V	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	13	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	17	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	2B	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	3R	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	3V	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	3Z	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	5F	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	5J	60	ARG	CZ-NH2	-6.08	1.25	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	63	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	67	60	ARG	CZ-NH2	-6.08	1.25	1.33
2	7B	60	ARG	CZ-NH2	-6.08	1.25	1.33
1	1M	43	HIS	CD2-NE2	-6.08	1.31	1.37
1	2I	43	HIS	CD2-NE2	-6.08	1.31	1.37
1	3A	43	HIS	CD2-NE2	-6.08	1.31	1.37
1	3I	43	HIS	CD2-NE2	-6.08	1.31	1.37
1	32	43	HIS	CD2-NE2	-6.08	1.31	1.37
1	4E	43	HIS	CD2-NE2	-6.08	1.31	1.37
1	4Y	43	HIS	CD2-NE2	-6.08	1.31	1.37
1	5U	43	HIS	CD2-NE2	-6.08	1.31	1.37
1	6M	43	HIS	CD2-NE2	-6.08	1.31	1.37
1	6U	43	HIS	CD2-NE2	-6.08	1.31	1.37
1	7E	43	HIS	CD2-NE2	-6.08	1.31	1.37
1	7Q	43	HIS	CD2-NE2	-6.08	1.31	1.37
1	1A	43	HIS	CD2-NE2	-6.07	1.31	1.37
1	1I	43	HIS	CD2-NE2	-6.07	1.31	1.37
1	2E	43	HIS	CD2-NE2	-6.07	1.31	1.37
1	26	43	HIS	CD2-NE2	-6.07	1.31	1.37
1	3E	43	HIS	CD2-NE2	-6.07	1.31	1.37
1	4A	43	HIS	CD2-NE2	-6.07	1.31	1.37
1	4M	43	HIS	CD2-NE2	-6.07	1.31	1.37
1	4U	43	HIS	CD2-NE2	-6.07	1.31	1.37
1	5Q	43	HIS	CD2-NE2	-6.07	1.31	1.37
1	6I	43	HIS	CD2-NE2	-6.07	1.31	1.37
1	6Q	43	HIS	CD2-NE2	-6.07	1.31	1.37
1	7M	43	HIS	CD2-NE2	-6.07	1.31	1.37
1	1A	8	LEU	C-N	-6.07	1.25	1.33
1	1I	8	LEU	C-N	-6.07	1.25	1.33
1	2E	8	LEU	C-N	-6.07	1.25	1.33
1	26	8	LEU	C-N	-6.07	1.25	1.33
1	3E	8	LEU	C-N	-6.07	1.25	1.33
1	4A	8	LEU	C-N	-6.07	1.25	1.33
1	4M	8	LEU	C-N	-6.07	1.25	1.33
1	4U	8	LEU	C-N	-6.07	1.25	1.33
1	5Q	8	LEU	C-N	-6.07	1.25	1.33
1	6I	8	LEU	C-N	-6.07	1.25	1.33
1	6Q	8	LEU	C-N	-6.07	1.25	1.33
1	7M	8	LEU	C-N	-6.07	1.25	1.33
1	1M	8	LEU	C-N	-6.06	1.25	1.33
1	2I	8	LEU	C-N	-6.06	1.25	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	8	LEU	C-N	-6.06	1.25	1.33
1	3I	8	LEU	C-N	-6.06	1.25	1.33
1	32	8	LEU	C-N	-6.06	1.25	1.33
1	4E	8	LEU	C-N	-6.06	1.25	1.33
1	4Y	8	LEU	C-N	-6.06	1.25	1.33
1	5U	8	LEU	C-N	-6.06	1.25	1.33
1	6M	8	LEU	C-N	-6.06	1.25	1.33
1	6U	8	LEU	C-N	-6.06	1.25	1.33
1	7E	8	LEU	C-N	-6.06	1.25	1.33
1	7Q	8	LEU	C-N	-6.06	1.25	1.33
2	1N	60	ARG	CZ-NH2	-6.06	1.25	1.33
2	2J	60	ARG	CZ-NH2	-6.06	1.25	1.33
2	3B	60	ARG	CZ-NH2	-6.06	1.25	1.33
2	3J	60	ARG	CZ-NH2	-6.06	1.25	1.33
2	33	60	ARG	CZ-NH2	-6.06	1.25	1.33
2	4F	60	ARG	CZ-NH2	-6.06	1.25	1.33
2	4Z	60	ARG	CZ-NH2	-6.06	1.25	1.33
2	5V	60	ARG	CZ-NH2	-6.06	1.25	1.33
2	6N	60	ARG	CZ-NH2	-6.06	1.25	1.33
2	6V	60	ARG	CZ-NH2	-6.06	1.25	1.33
2	7F	60	ARG	CZ-NH2	-6.06	1.25	1.33
2	7R	60	ARG	CZ-NH2	-6.06	1.25	1.33
1	1M	16	THR	CB-OG1	6.06	1.53	1.43
1	2I	16	THR	CB-OG1	6.06	1.53	1.43
1	3A	16	THR	CB-OG1	6.06	1.53	1.43
1	3I	16	THR	CB-OG1	6.06	1.53	1.43
1	32	16	THR	CB-OG1	6.06	1.53	1.43
1	4E	16	THR	CB-OG1	6.06	1.53	1.43
1	4Y	16	THR	CB-OG1	6.06	1.53	1.43
1	5U	16	THR	CB-OG1	6.06	1.53	1.43
1	6M	16	THR	CB-OG1	6.06	1.53	1.43
1	6U	16	THR	CB-OG1	6.06	1.53	1.43
1	7E	16	THR	CB-OG1	6.06	1.53	1.43
1	7Q	16	THR	CB-OG1	6.06	1.53	1.43
2	13	51	GLY	C-O	6.06	1.33	1.24
2	17	51	GLY	C-O	6.06	1.33	1.24
2	2B	51	GLY	C-O	6.06	1.33	1.24
2	3R	51	GLY	C-O	6.06	1.33	1.24
2	3V	51	GLY	C-O	6.06	1.33	1.24
2	3Z	51	GLY	C-O	6.06	1.33	1.24
2	5F	51	GLY	C-O	6.06	1.33	1.24
2	5J	51	GLY	C-O	6.06	1.33	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	51	GLY	C-O	6.06	1.33	1.24
2	63	51	GLY	C-O	6.06	1.33	1.24
2	67	51	GLY	C-O	6.06	1.33	1.24
2	7B	51	GLY	C-O	6.06	1.33	1.24
1	1E	43	HIS	CD2-NE2	-6.06	1.31	1.37
1	2M	43	HIS	CD2-NE2	-6.06	1.31	1.37
1	22	43	HIS	CD2-NE2	-6.06	1.31	1.37
1	3M	43	HIS	CD2-NE2	-6.06	1.31	1.37
1	36	43	HIS	CD2-NE2	-6.06	1.31	1.37
1	4I	43	HIS	CD2-NE2	-6.06	1.31	1.37
1	4Q	43	HIS	CD2-NE2	-6.06	1.31	1.37
1	5Y	43	HIS	CD2-NE2	-6.06	1.31	1.37
1	6E	43	HIS	CD2-NE2	-6.06	1.31	1.37
1	6Y	43	HIS	CD2-NE2	-6.06	1.31	1.37
1	7I	43	HIS	CD2-NE2	-6.06	1.31	1.37
1	7U	43	HIS	CD2-NE2	-6.06	1.31	1.37
2	1B	55	PRO	C-N	-6.05	1.23	1.33
2	1J	55	PRO	C-N	-6.05	1.23	1.33
2	1R	42	HIS	ND1-CE1	-6.05	1.26	1.32
2	1V	42	HIS	ND1-CE1	-6.05	1.26	1.32
2	1Z	42	HIS	ND1-CE1	-6.05	1.26	1.32
2	2F	55	PRO	C-N	-6.05	1.23	1.33
2	2R	42	HIS	ND1-CE1	-6.05	1.26	1.32
2	2V	42	HIS	ND1-CE1	-6.05	1.26	1.32
2	2Z	42	HIS	ND1-CE1	-6.05	1.26	1.32
2	27	55	PRO	C-N	-6.05	1.23	1.33
2	3F	55	PRO	C-N	-6.05	1.23	1.33
2	4B	55	PRO	C-N	-6.05	1.23	1.33
2	4N	55	PRO	C-N	-6.05	1.23	1.33
2	4V	55	PRO	C-N	-6.05	1.23	1.33
2	43	42	HIS	ND1-CE1	-6.05	1.26	1.32
2	47	42	HIS	ND1-CE1	-6.05	1.26	1.32
2	5B	42	HIS	ND1-CE1	-6.05	1.26	1.32
2	5R	55	PRO	C-N	-6.05	1.23	1.33
2	53	42	HIS	ND1-CE1	-6.05	1.26	1.32
2	57	42	HIS	ND1-CE1	-6.05	1.26	1.32
2	6B	42	HIS	ND1-CE1	-6.05	1.26	1.32
2	6J	55	PRO	C-N	-6.05	1.23	1.33
2	6R	55	PRO	C-N	-6.05	1.23	1.33
2	7N	55	PRO	C-N	-6.05	1.23	1.33
2	1F	55	PRO	C-N	-6.05	1.23	1.33
1	1M	154	SER	C-O	-6.05	1.16	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2I	154	SER	C-O	-6.05	1.16	1.24
2	2N	55	PRO	C-N	-6.05	1.23	1.33
2	23	55	PRO	C-N	-6.05	1.23	1.33
1	3A	154	SER	C-O	-6.05	1.16	1.24
1	3I	154	SER	C-O	-6.05	1.16	1.24
2	3N	55	PRO	C-N	-6.05	1.23	1.33
1	32	154	SER	C-O	-6.05	1.16	1.24
2	37	55	PRO	C-N	-6.05	1.23	1.33
1	4E	154	SER	C-O	-6.05	1.16	1.24
2	4J	55	PRO	C-N	-6.05	1.23	1.33
2	4R	55	PRO	C-N	-6.05	1.23	1.33
1	4Y	154	SER	C-O	-6.05	1.16	1.24
1	5U	154	SER	C-O	-6.05	1.16	1.24
2	5Z	55	PRO	C-N	-6.05	1.23	1.33
2	6F	55	PRO	C-N	-6.05	1.23	1.33
1	6M	154	SER	C-O	-6.05	1.16	1.24
1	6U	154	SER	C-O	-6.05	1.16	1.24
2	6Z	55	PRO	C-N	-6.05	1.23	1.33
1	7E	154	SER	C-O	-6.05	1.16	1.24
2	7J	55	PRO	C-N	-6.05	1.23	1.33
1	7Q	154	SER	C-O	-6.05	1.16	1.24
2	7V	55	PRO	C-N	-6.05	1.23	1.33
2	1B	60	ARG	CZ-NH2	-6.05	1.25	1.33
2	1F	51	GLY	C-O	6.05	1.33	1.24
2	1J	60	ARG	CZ-NH2	-6.05	1.25	1.33
2	2F	60	ARG	CZ-NH2	-6.05	1.25	1.33
2	2N	51	GLY	C-O	6.05	1.33	1.24
2	23	51	GLY	C-O	6.05	1.33	1.24
2	27	60	ARG	CZ-NH2	-6.05	1.25	1.33
2	3F	60	ARG	CZ-NH2	-6.05	1.25	1.33
2	3N	51	GLY	C-O	6.05	1.33	1.24
2	37	51	GLY	C-O	6.05	1.33	1.24
2	4B	60	ARG	CZ-NH2	-6.05	1.25	1.33
2	4J	51	GLY	C-O	6.05	1.33	1.24
2	4N	60	ARG	CZ-NH2	-6.05	1.25	1.33
2	4R	51	GLY	C-O	6.05	1.33	1.24
2	4V	60	ARG	CZ-NH2	-6.05	1.25	1.33
2	5R	60	ARG	CZ-NH2	-6.05	1.25	1.33
2	5Z	51	GLY	C-O	6.05	1.33	1.24
2	6F	51	GLY	C-O	6.05	1.33	1.24
2	6J	60	ARG	CZ-NH2	-6.05	1.25	1.33
2	6R	60	ARG	CZ-NH2	-6.05	1.25	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6Z	51	GLY	C-O	6.05	1.33	1.24
2	7J	51	GLY	C-O	6.05	1.33	1.24
2	7N	60	ARG	CZ-NH2	-6.05	1.25	1.33
2	7V	51	GLY	C-O	6.05	1.33	1.24
2	1B	42	HIS	ND1-CE1	-6.04	1.26	1.32
2	1J	42	HIS	ND1-CE1	-6.04	1.26	1.32
2	1N	51	GLY	C-O	6.04	1.33	1.24
2	1R	20	LEU	C-N	-6.04	1.24	1.33
2	1V	20	LEU	C-N	-6.04	1.24	1.33
2	1Z	20	LEU	C-N	-6.04	1.24	1.33
2	2F	42	HIS	ND1-CE1	-6.04	1.26	1.32
2	2J	51	GLY	C-O	6.04	1.33	1.24
2	2R	20	LEU	C-N	-6.04	1.24	1.33
2	2V	20	LEU	C-N	-6.04	1.24	1.33
2	2Z	20	LEU	C-N	-6.04	1.24	1.33
2	27	42	HIS	ND1-CE1	-6.04	1.26	1.32
2	3B	51	GLY	C-O	6.04	1.33	1.24
2	3F	42	HIS	ND1-CE1	-6.04	1.26	1.32
2	3J	51	GLY	C-O	6.04	1.33	1.24
2	33	51	GLY	C-O	6.04	1.33	1.24
2	4B	42	HIS	ND1-CE1	-6.04	1.26	1.32
2	4F	51	GLY	C-O	6.04	1.33	1.24
2	4N	42	HIS	ND1-CE1	-6.04	1.26	1.32
2	4V	42	HIS	ND1-CE1	-6.04	1.26	1.32
2	4Z	51	GLY	C-O	6.04	1.33	1.24
2	43	20	LEU	C-N	-6.04	1.24	1.33
2	47	20	LEU	C-N	-6.04	1.24	1.33
2	5B	20	LEU	C-N	-6.04	1.24	1.33
2	5R	42	HIS	ND1-CE1	-6.04	1.26	1.32
2	5V	51	GLY	C-O	6.04	1.33	1.24
2	53	20	LEU	C-N	-6.04	1.24	1.33
2	57	20	LEU	C-N	-6.04	1.24	1.33
2	6B	20	LEU	C-N	-6.04	1.24	1.33
2	6J	42	HIS	ND1-CE1	-6.04	1.26	1.32
2	6N	51	GLY	C-O	6.04	1.33	1.24
2	6R	42	HIS	ND1-CE1	-6.04	1.26	1.32
2	6V	51	GLY	C-O	6.04	1.33	1.24
2	7F	51	GLY	C-O	6.04	1.33	1.24
2	7N	42	HIS	ND1-CE1	-6.04	1.26	1.32
2	7R	51	GLY	C-O	6.04	1.33	1.24
1	1E	92	ASN	C-O	6.04	1.31	1.24
1	2M	92	ASN	C-O	6.04	1.31	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	92	ASN	C-O	6.04	1.31	1.24
1	3M	92	ASN	C-O	6.04	1.31	1.24
1	36	92	ASN	C-O	6.04	1.31	1.24
1	4I	92	ASN	C-O	6.04	1.31	1.24
1	4Q	92	ASN	C-O	6.04	1.31	1.24
1	5Y	92	ASN	C-O	6.04	1.31	1.24
1	6E	92	ASN	C-O	6.04	1.31	1.24
1	6Y	92	ASN	C-O	6.04	1.31	1.24
1	7I	92	ASN	C-O	6.04	1.31	1.24
1	7U	92	ASN	C-O	6.04	1.31	1.24
1	1A	16	THR	CB-OG1	6.03	1.53	1.43
1	1I	16	THR	CB-OG1	6.03	1.53	1.43
1	2E	16	THR	CB-OG1	6.03	1.53	1.43
1	26	16	THR	CB-OG1	6.03	1.53	1.43
1	3E	16	THR	CB-OG1	6.03	1.53	1.43
1	4A	16	THR	CB-OG1	6.03	1.53	1.43
1	4M	16	THR	CB-OG1	6.03	1.53	1.43
1	4U	16	THR	CB-OG1	6.03	1.53	1.43
1	5Q	16	THR	CB-OG1	6.03	1.53	1.43
1	6I	16	THR	CB-OG1	6.03	1.53	1.43
1	6Q	16	THR	CB-OG1	6.03	1.53	1.43
1	7M	16	THR	CB-OG1	6.03	1.53	1.43
2	1B	20	LEU	C-N	-6.03	1.24	1.33
2	1J	20	LEU	C-N	-6.03	1.24	1.33
2	13	55	PRO	C-N	-6.03	1.23	1.33
2	17	55	PRO	C-N	-6.03	1.23	1.33
2	2B	55	PRO	C-N	-6.03	1.23	1.33
2	2F	20	LEU	C-N	-6.03	1.24	1.33
2	27	20	LEU	C-N	-6.03	1.24	1.33
2	3F	20	LEU	C-N	-6.03	1.24	1.33
2	3R	55	PRO	C-N	-6.03	1.23	1.33
2	3V	55	PRO	C-N	-6.03	1.23	1.33
2	3Z	55	PRO	C-N	-6.03	1.23	1.33
2	4B	20	LEU	C-N	-6.03	1.24	1.33
2	4N	20	LEU	C-N	-6.03	1.24	1.33
2	4V	20	LEU	C-N	-6.03	1.24	1.33
2	5F	55	PRO	C-N	-6.03	1.23	1.33
2	5J	55	PRO	C-N	-6.03	1.23	1.33
2	5N	55	PRO	C-N	-6.03	1.23	1.33
2	5R	20	LEU	C-N	-6.03	1.24	1.33
2	6J	20	LEU	C-N	-6.03	1.24	1.33
2	6R	20	LEU	C-N	-6.03	1.24	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	63	55	PRO	C-N	-6.03	1.23	1.33
2	67	55	PRO	C-N	-6.03	1.23	1.33
2	7B	55	PRO	C-N	-6.03	1.23	1.33
2	7N	20	LEU	C-N	-6.03	1.24	1.33
2	1R	55	PRO	C-N	-6.03	1.23	1.33
2	1V	55	PRO	C-N	-6.03	1.23	1.33
2	1Z	55	PRO	C-N	-6.03	1.23	1.33
2	2R	55	PRO	C-N	-6.03	1.23	1.33
2	2V	55	PRO	C-N	-6.03	1.23	1.33
2	2Z	55	PRO	C-N	-6.03	1.23	1.33
2	43	55	PRO	C-N	-6.03	1.23	1.33
2	47	55	PRO	C-N	-6.03	1.23	1.33
2	5B	55	PRO	C-N	-6.03	1.23	1.33
2	53	55	PRO	C-N	-6.03	1.23	1.33
2	57	55	PRO	C-N	-6.03	1.23	1.33
2	6B	55	PRO	C-N	-6.03	1.23	1.33
1	12	16	THR	CB-OG1	6.03	1.53	1.43
1	16	16	THR	CB-OG1	6.03	1.53	1.43
1	2A	16	THR	CB-OG1	6.03	1.53	1.43
1	3Q	16	THR	CB-OG1	6.03	1.53	1.43
1	3U	16	THR	CB-OG1	6.03	1.53	1.43
1	3Y	16	THR	CB-OG1	6.03	1.53	1.43
1	5E	16	THR	CB-OG1	6.03	1.53	1.43
1	5I	16	THR	CB-OG1	6.03	1.53	1.43
1	5M	16	THR	CB-OG1	6.03	1.53	1.43
1	62	16	THR	CB-OG1	6.03	1.53	1.43
1	66	16	THR	CB-OG1	6.03	1.53	1.43
1	7A	16	THR	CB-OG1	6.03	1.53	1.43
1	1A	154	SER	C-O	-6.03	1.16	1.24
1	1I	154	SER	C-O	-6.03	1.16	1.24
2	1N	42	HIS	ND1-CE1	-6.03	1.26	1.32
1	12	154	SER	C-O	-6.03	1.16	1.24
1	16	154	SER	C-O	-6.03	1.16	1.24
1	2A	154	SER	C-O	-6.03	1.16	1.24
1	2E	154	SER	C-O	-6.03	1.16	1.24
2	2J	42	HIS	ND1-CE1	-6.03	1.26	1.32
1	26	154	SER	C-O	-6.03	1.16	1.24
2	3B	42	HIS	ND1-CE1	-6.03	1.26	1.32
1	3E	154	SER	C-O	-6.03	1.16	1.24
2	3J	42	HIS	ND1-CE1	-6.03	1.26	1.32
1	3Q	154	SER	C-O	-6.03	1.16	1.24
1	3U	154	SER	C-O	-6.03	1.16	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3Y	154	SER	C-O	-6.03	1.16	1.24
2	33	42	HIS	ND1-CE1	-6.03	1.26	1.32
1	4A	154	SER	C-O	-6.03	1.16	1.24
2	4F	42	HIS	ND1-CE1	-6.03	1.26	1.32
1	4M	154	SER	C-O	-6.03	1.16	1.24
1	4U	154	SER	C-O	-6.03	1.16	1.24
2	4Z	42	HIS	ND1-CE1	-6.03	1.26	1.32
1	5E	154	SER	C-O	-6.03	1.16	1.24
1	5I	154	SER	C-O	-6.03	1.16	1.24
1	5M	154	SER	C-O	-6.03	1.16	1.24
1	5Q	154	SER	C-O	-6.03	1.16	1.24
2	5V	42	HIS	ND1-CE1	-6.03	1.26	1.32
1	6I	154	SER	C-O	-6.03	1.16	1.24
2	6N	42	HIS	ND1-CE1	-6.03	1.26	1.32
1	6Q	154	SER	C-O	-6.03	1.16	1.24
2	6V	42	HIS	ND1-CE1	-6.03	1.26	1.32
1	62	154	SER	C-O	-6.03	1.16	1.24
1	66	154	SER	C-O	-6.03	1.16	1.24
1	7A	154	SER	C-O	-6.03	1.16	1.24
2	7F	42	HIS	ND1-CE1	-6.03	1.26	1.32
1	7M	154	SER	C-O	-6.03	1.16	1.24
2	7R	42	HIS	ND1-CE1	-6.03	1.26	1.32
1	1E	16	THR	CB-OG1	6.02	1.53	1.43
1	2M	16	THR	CB-OG1	6.02	1.53	1.43
1	22	16	THR	CB-OG1	6.02	1.53	1.43
1	3M	16	THR	CB-OG1	6.02	1.53	1.43
1	36	16	THR	CB-OG1	6.02	1.53	1.43
1	4I	16	THR	CB-OG1	6.02	1.53	1.43
1	4Q	16	THR	CB-OG1	6.02	1.53	1.43
1	5Y	16	THR	CB-OG1	6.02	1.53	1.43
1	6E	16	THR	CB-OG1	6.02	1.53	1.43
1	6Y	16	THR	CB-OG1	6.02	1.53	1.43
1	7I	16	THR	CB-OG1	6.02	1.53	1.43
1	7U	16	THR	CB-OG1	6.02	1.53	1.43
2	1N	20	LEU	C-N	-6.01	1.24	1.33
1	1Q	92	ASN	C-O	6.01	1.31	1.24
1	1U	92	ASN	C-O	6.01	1.31	1.24
1	1Y	92	ASN	C-O	6.01	1.31	1.24
1	12	92	ASN	C-O	6.01	1.31	1.24
1	16	92	ASN	C-O	6.01	1.31	1.24
1	2A	92	ASN	C-O	6.01	1.31	1.24
2	2J	20	LEU	C-N	-6.01	1.24	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2Q	92	ASN	C-O	6.01	1.31	1.24
1	2U	92	ASN	C-O	6.01	1.31	1.24
1	2Y	92	ASN	C-O	6.01	1.31	1.24
2	3B	20	LEU	C-N	-6.01	1.24	1.33
2	3J	20	LEU	C-N	-6.01	1.24	1.33
1	3Q	92	ASN	C-O	6.01	1.31	1.24
1	3U	92	ASN	C-O	6.01	1.31	1.24
1	3Y	92	ASN	C-O	6.01	1.31	1.24
2	33	20	LEU	C-N	-6.01	1.24	1.33
2	4F	20	LEU	C-N	-6.01	1.24	1.33
2	4Z	20	LEU	C-N	-6.01	1.24	1.33
1	42	92	ASN	C-O	6.01	1.31	1.24
1	46	92	ASN	C-O	6.01	1.31	1.24
1	5A	92	ASN	C-O	6.01	1.31	1.24
1	5E	92	ASN	C-O	6.01	1.31	1.24
1	5I	92	ASN	C-O	6.01	1.31	1.24
1	5M	92	ASN	C-O	6.01	1.31	1.24
2	5V	20	LEU	C-N	-6.01	1.24	1.33
1	52	92	ASN	C-O	6.01	1.31	1.24
1	56	92	ASN	C-O	6.01	1.31	1.24
1	6A	92	ASN	C-O	6.01	1.31	1.24
2	6N	20	LEU	C-N	-6.01	1.24	1.33
2	6V	20	LEU	C-N	-6.01	1.24	1.33
1	62	92	ASN	C-O	6.01	1.31	1.24
1	66	92	ASN	C-O	6.01	1.31	1.24
1	7A	92	ASN	C-O	6.01	1.31	1.24
2	7F	20	LEU	C-N	-6.01	1.24	1.33
2	7R	20	LEU	C-N	-6.01	1.24	1.33
2	1N	55	PRO	C-N	-6.01	1.23	1.33
1	1Q	16	THR	CB-OG1	6.01	1.53	1.43
1	1U	16	THR	CB-OG1	6.01	1.53	1.43
1	1Y	16	THR	CB-OG1	6.01	1.53	1.43
2	2J	55	PRO	C-N	-6.01	1.23	1.33
1	2Q	16	THR	CB-OG1	6.01	1.53	1.43
1	2U	16	THR	CB-OG1	6.01	1.53	1.43
1	2Y	16	THR	CB-OG1	6.01	1.53	1.43
2	3B	55	PRO	C-N	-6.01	1.23	1.33
2	3J	55	PRO	C-N	-6.01	1.23	1.33
2	33	55	PRO	C-N	-6.01	1.23	1.33
2	4F	55	PRO	C-N	-6.01	1.23	1.33
2	4Z	55	PRO	C-N	-6.01	1.23	1.33
1	42	16	THR	CB-OG1	6.01	1.53	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	46	16	THR	CB-OG1	6.01	1.53	1.43
1	5A	16	THR	CB-OG1	6.01	1.53	1.43
2	5V	55	PRO	C-N	-6.01	1.23	1.33
1	52	16	THR	CB-OG1	6.01	1.53	1.43
1	56	16	THR	CB-OG1	6.01	1.53	1.43
1	6A	16	THR	CB-OG1	6.01	1.53	1.43
2	6N	55	PRO	C-N	-6.01	1.23	1.33
2	6V	55	PRO	C-N	-6.01	1.23	1.33
2	7F	55	PRO	C-N	-6.01	1.23	1.33
2	7R	55	PRO	C-N	-6.01	1.23	1.33
2	1F	31	PHE	CA-C	-6.01	1.44	1.52
2	2N	31	PHE	CA-C	-6.01	1.44	1.52
2	23	31	PHE	CA-C	-6.01	1.44	1.52
2	3N	31	PHE	CA-C	-6.01	1.44	1.52
2	37	31	PHE	CA-C	-6.01	1.44	1.52
2	4J	31	PHE	CA-C	-6.01	1.44	1.52
2	4R	31	PHE	CA-C	-6.01	1.44	1.52
2	5Z	31	PHE	CA-C	-6.01	1.44	1.52
2	6F	31	PHE	CA-C	-6.01	1.44	1.52
2	6Z	31	PHE	CA-C	-6.01	1.44	1.52
2	7J	31	PHE	CA-C	-6.01	1.44	1.52
2	7V	31	PHE	CA-C	-6.01	1.44	1.52
1	1A	92	ASN	C-O	6.01	1.31	1.24
1	1I	92	ASN	C-O	6.01	1.31	1.24
1	2E	92	ASN	C-O	6.01	1.31	1.24
1	26	92	ASN	C-O	6.01	1.31	1.24
1	3E	92	ASN	C-O	6.01	1.31	1.24
1	4A	92	ASN	C-O	6.01	1.31	1.24
1	4M	92	ASN	C-O	6.01	1.31	1.24
1	4U	92	ASN	C-O	6.01	1.31	1.24
1	5Q	92	ASN	C-O	6.01	1.31	1.24
1	6I	92	ASN	C-O	6.01	1.31	1.24
1	6Q	92	ASN	C-O	6.01	1.31	1.24
1	7M	92	ASN	C-O	6.01	1.31	1.24
1	1E	154	SER	C-O	-6.00	1.16	1.24
1	2M	154	SER	C-O	-6.00	1.16	1.24
1	22	154	SER	C-O	-6.00	1.16	1.24
1	3M	154	SER	C-O	-6.00	1.16	1.24
1	36	154	SER	C-O	-6.00	1.16	1.24
1	4I	154	SER	C-O	-6.00	1.16	1.24
1	4Q	154	SER	C-O	-6.00	1.16	1.24
1	5Y	154	SER	C-O	-6.00	1.16	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	154	SER	C-O	-6.00	1.16	1.24
1	6Y	154	SER	C-O	-6.00	1.16	1.24
1	7I	154	SER	C-O	-6.00	1.16	1.24
1	7U	154	SER	C-O	-6.00	1.16	1.24
2	1B	31	PHE	CA-C	-6.00	1.44	1.52
2	1J	31	PHE	CA-C	-6.00	1.44	1.52
2	1R	15	VAL	CB-CG2	6.00	1.72	1.52
2	1V	15	VAL	CB-CG2	6.00	1.72	1.52
2	1Z	15	VAL	CB-CG2	6.00	1.72	1.52
2	2F	31	PHE	CA-C	-6.00	1.44	1.52
2	2R	15	VAL	CB-CG2	6.00	1.72	1.52
2	2V	15	VAL	CB-CG2	6.00	1.72	1.52
2	2Z	15	VAL	CB-CG2	6.00	1.72	1.52
2	27	31	PHE	CA-C	-6.00	1.44	1.52
2	3F	31	PHE	CA-C	-6.00	1.44	1.52
2	4B	31	PHE	CA-C	-6.00	1.44	1.52
2	4N	31	PHE	CA-C	-6.00	1.44	1.52
2	4V	31	PHE	CA-C	-6.00	1.44	1.52
2	43	15	VAL	CB-CG2	6.00	1.72	1.52
2	47	15	VAL	CB-CG2	6.00	1.72	1.52
2	5B	15	VAL	CB-CG2	6.00	1.72	1.52
2	5R	31	PHE	CA-C	-6.00	1.44	1.52
2	53	15	VAL	CB-CG2	6.00	1.72	1.52
2	57	15	VAL	CB-CG2	6.00	1.72	1.52
2	6B	15	VAL	CB-CG2	6.00	1.72	1.52
2	6J	31	PHE	CA-C	-6.00	1.44	1.52
2	6R	31	PHE	CA-C	-6.00	1.44	1.52
2	7N	31	PHE	CA-C	-6.00	1.44	1.52
2	1F	20	LEU	C-N	-6.00	1.24	1.33
2	1F	42	HIS	ND1-CE1	-6.00	1.26	1.32
2	2N	20	LEU	C-N	-6.00	1.24	1.33
2	2N	42	HIS	ND1-CE1	-6.00	1.26	1.32
2	23	20	LEU	C-N	-6.00	1.24	1.33
2	23	42	HIS	ND1-CE1	-6.00	1.26	1.32
2	3N	20	LEU	C-N	-6.00	1.24	1.33
2	3N	42	HIS	ND1-CE1	-6.00	1.26	1.32
2	37	20	LEU	C-N	-6.00	1.24	1.33
2	37	42	HIS	ND1-CE1	-6.00	1.26	1.32
2	4J	20	LEU	C-N	-6.00	1.24	1.33
2	4J	42	HIS	ND1-CE1	-6.00	1.26	1.32
2	4R	20	LEU	C-N	-6.00	1.24	1.33
2	4R	42	HIS	ND1-CE1	-6.00	1.26	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5Z	20	LEU	C-N	-6.00	1.24	1.33
2	5Z	42	HIS	ND1-CE1	-6.00	1.26	1.32
2	6F	20	LEU	C-N	-6.00	1.24	1.33
2	6F	42	HIS	ND1-CE1	-6.00	1.26	1.32
2	6Z	20	LEU	C-N	-6.00	1.24	1.33
2	6Z	42	HIS	ND1-CE1	-6.00	1.26	1.32
2	7J	20	LEU	C-N	-6.00	1.24	1.33
2	7J	42	HIS	ND1-CE1	-6.00	1.26	1.32
2	7V	20	LEU	C-N	-6.00	1.24	1.33
2	7V	42	HIS	ND1-CE1	-6.00	1.26	1.32
2	1B	15	VAL	CB-CG2	5.99	1.72	1.52
2	1J	15	VAL	CB-CG2	5.99	1.72	1.52
2	2F	15	VAL	CB-CG2	5.99	1.72	1.52
2	27	15	VAL	CB-CG2	5.99	1.72	1.52
2	3F	15	VAL	CB-CG2	5.99	1.72	1.52
2	4B	15	VAL	CB-CG2	5.99	1.72	1.52
2	4N	15	VAL	CB-CG2	5.99	1.72	1.52
2	4V	15	VAL	CB-CG2	5.99	1.72	1.52
2	5R	15	VAL	CB-CG2	5.99	1.72	1.52
2	6J	15	VAL	CB-CG2	5.99	1.72	1.52
2	6R	15	VAL	CB-CG2	5.99	1.72	1.52
2	7N	15	VAL	CB-CG2	5.99	1.72	1.52
2	13	20	LEU	C-N	-5.99	1.24	1.33
2	17	20	LEU	C-N	-5.99	1.24	1.33
2	2B	20	LEU	C-N	-5.99	1.24	1.33
2	3R	20	LEU	C-N	-5.99	1.24	1.33
2	3V	20	LEU	C-N	-5.99	1.24	1.33
2	3Z	20	LEU	C-N	-5.99	1.24	1.33
2	5F	20	LEU	C-N	-5.99	1.24	1.33
2	5J	20	LEU	C-N	-5.99	1.24	1.33
2	5N	20	LEU	C-N	-5.99	1.24	1.33
2	63	20	LEU	C-N	-5.99	1.24	1.33
2	67	20	LEU	C-N	-5.99	1.24	1.33
2	7B	20	LEU	C-N	-5.99	1.24	1.33
2	1N	15	VAL	CB-CG2	5.99	1.72	1.52
1	1Q	154	SER	C-O	-5.99	1.16	1.24
1	1U	154	SER	C-O	-5.99	1.16	1.24
1	1Y	154	SER	C-O	-5.99	1.16	1.24
2	2J	15	VAL	CB-CG2	5.99	1.72	1.52
1	2Q	154	SER	C-O	-5.99	1.16	1.24
1	2U	154	SER	C-O	-5.99	1.16	1.24
1	2Y	154	SER	C-O	-5.99	1.16	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	15	VAL	CB-CG2	5.99	1.72	1.52
2	3J	15	VAL	CB-CG2	5.99	1.72	1.52
2	33	15	VAL	CB-CG2	5.99	1.72	1.52
2	4F	15	VAL	CB-CG2	5.99	1.72	1.52
2	4Z	15	VAL	CB-CG2	5.99	1.72	1.52
1	42	154	SER	C-O	-5.99	1.16	1.24
1	46	154	SER	C-O	-5.99	1.16	1.24
1	5A	154	SER	C-O	-5.99	1.16	1.24
2	5V	15	VAL	CB-CG2	5.99	1.72	1.52
1	52	154	SER	C-O	-5.99	1.16	1.24
1	56	154	SER	C-O	-5.99	1.16	1.24
1	6A	154	SER	C-O	-5.99	1.16	1.24
2	6N	15	VAL	CB-CG2	5.99	1.72	1.52
2	6V	15	VAL	CB-CG2	5.99	1.72	1.52
2	7F	15	VAL	CB-CG2	5.99	1.72	1.52
2	7R	15	VAL	CB-CG2	5.99	1.72	1.52
2	13	42	HIS	ND1-CE1	-5.99	1.26	1.32
2	17	42	HIS	ND1-CE1	-5.99	1.26	1.32
2	2B	42	HIS	ND1-CE1	-5.99	1.26	1.32
2	3R	42	HIS	ND1-CE1	-5.99	1.26	1.32
2	3V	42	HIS	ND1-CE1	-5.99	1.26	1.32
2	3Z	42	HIS	ND1-CE1	-5.99	1.26	1.32
2	5F	42	HIS	ND1-CE1	-5.99	1.26	1.32
2	5J	42	HIS	ND1-CE1	-5.99	1.26	1.32
2	5N	42	HIS	ND1-CE1	-5.99	1.26	1.32
2	63	42	HIS	ND1-CE1	-5.99	1.26	1.32
2	67	42	HIS	ND1-CE1	-5.99	1.26	1.32
2	7B	42	HIS	ND1-CE1	-5.99	1.26	1.32
2	1R	31	PHE	CA-C	-5.98	1.44	1.52
2	1V	31	PHE	CA-C	-5.98	1.44	1.52
2	1Z	31	PHE	CA-C	-5.98	1.44	1.52
2	2R	31	PHE	CA-C	-5.98	1.44	1.52
2	2V	31	PHE	CA-C	-5.98	1.44	1.52
2	2Z	31	PHE	CA-C	-5.98	1.44	1.52
2	43	31	PHE	CA-C	-5.98	1.44	1.52
2	47	31	PHE	CA-C	-5.98	1.44	1.52
2	5B	31	PHE	CA-C	-5.98	1.44	1.52
2	53	31	PHE	CA-C	-5.98	1.44	1.52
2	57	31	PHE	CA-C	-5.98	1.44	1.52
2	6B	31	PHE	CA-C	-5.98	1.44	1.52
2	1F	15	VAL	CB-CG2	5.98	1.72	1.52
2	2N	15	VAL	CB-CG2	5.98	1.72	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	15	VAL	CB-CG2	5.98	1.72	1.52
2	3N	15	VAL	CB-CG2	5.98	1.72	1.52
2	37	15	VAL	CB-CG2	5.98	1.72	1.52
2	4J	15	VAL	CB-CG2	5.98	1.72	1.52
2	4R	15	VAL	CB-CG2	5.98	1.72	1.52
2	5Z	15	VAL	CB-CG2	5.98	1.72	1.52
2	6F	15	VAL	CB-CG2	5.98	1.72	1.52
2	6Z	15	VAL	CB-CG2	5.98	1.72	1.52
2	7J	15	VAL	CB-CG2	5.98	1.72	1.52
2	7V	15	VAL	CB-CG2	5.98	1.72	1.52
2	13	15	VAL	CB-CG2	5.97	1.72	1.52
2	17	15	VAL	CB-CG2	5.97	1.72	1.52
2	2B	15	VAL	CB-CG2	5.97	1.72	1.52
2	3R	15	VAL	CB-CG2	5.97	1.72	1.52
2	3V	15	VAL	CB-CG2	5.97	1.72	1.52
2	3Z	15	VAL	CB-CG2	5.97	1.72	1.52
2	5F	15	VAL	CB-CG2	5.97	1.72	1.52
2	5J	15	VAL	CB-CG2	5.97	1.72	1.52
2	5N	15	VAL	CB-CG2	5.97	1.72	1.52
2	63	15	VAL	CB-CG2	5.97	1.72	1.52
2	67	15	VAL	CB-CG2	5.97	1.72	1.52
2	7B	15	VAL	CB-CG2	5.97	1.72	1.52
2	1N	31	PHE	CA-C	-5.97	1.44	1.52
2	2J	31	PHE	CA-C	-5.97	1.44	1.52
2	3B	31	PHE	CA-C	-5.97	1.44	1.52
2	3J	31	PHE	CA-C	-5.97	1.44	1.52
2	33	31	PHE	CA-C	-5.97	1.44	1.52
2	4F	31	PHE	CA-C	-5.97	1.44	1.52
2	4Z	31	PHE	CA-C	-5.97	1.44	1.52
2	5V	31	PHE	CA-C	-5.97	1.44	1.52
2	6N	31	PHE	CA-C	-5.97	1.44	1.52
2	6V	31	PHE	CA-C	-5.97	1.44	1.52
2	7F	31	PHE	CA-C	-5.97	1.44	1.52
2	7R	31	PHE	CA-C	-5.97	1.44	1.52
2	13	31	PHE	CA-C	-5.95	1.44	1.52
2	17	31	PHE	CA-C	-5.95	1.44	1.52
2	2B	31	PHE	CA-C	-5.95	1.44	1.52
2	3R	31	PHE	CA-C	-5.95	1.44	1.52
2	3V	31	PHE	CA-C	-5.95	1.44	1.52
2	3Z	31	PHE	CA-C	-5.95	1.44	1.52
2	5F	31	PHE	CA-C	-5.95	1.44	1.52
2	5J	31	PHE	CA-C	-5.95	1.44	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	31	PHE	CA-C	-5.95	1.44	1.52
2	63	31	PHE	CA-C	-5.95	1.44	1.52
2	67	31	PHE	CA-C	-5.95	1.44	1.52
2	7B	31	PHE	CA-C	-5.95	1.44	1.52
1	1M	92	ASN	C-O	5.94	1.31	1.24
1	2I	92	ASN	C-O	5.94	1.31	1.24
1	3A	92	ASN	C-O	5.94	1.31	1.24
1	3I	92	ASN	C-O	5.94	1.31	1.24
1	32	92	ASN	C-O	5.94	1.31	1.24
1	4E	92	ASN	C-O	5.94	1.31	1.24
1	4Y	92	ASN	C-O	5.94	1.31	1.24
1	5U	92	ASN	C-O	5.94	1.31	1.24
1	6M	92	ASN	C-O	5.94	1.31	1.24
1	6U	92	ASN	C-O	5.94	1.31	1.24
1	7E	92	ASN	C-O	5.94	1.31	1.24
1	7Q	92	ASN	C-O	5.94	1.31	1.24
1	12	148	LEU	C-N	5.93	1.41	1.33
1	16	148	LEU	C-N	5.93	1.41	1.33
1	2A	148	LEU	C-N	5.93	1.41	1.33
1	3Q	148	LEU	C-N	5.93	1.41	1.33
1	3U	148	LEU	C-N	5.93	1.41	1.33
1	3Y	148	LEU	C-N	5.93	1.41	1.33
1	5E	148	LEU	C-N	5.93	1.41	1.33
1	5I	148	LEU	C-N	5.93	1.41	1.33
1	5M	148	LEU	C-N	5.93	1.41	1.33
1	62	148	LEU	C-N	5.93	1.41	1.33
1	66	148	LEU	C-N	5.93	1.41	1.33
1	7A	148	LEU	C-N	5.93	1.41	1.33
1	1E	148	LEU	C-N	5.92	1.41	1.33
1	2M	148	LEU	C-N	5.92	1.41	1.33
1	22	148	LEU	C-N	5.92	1.41	1.33
1	3M	148	LEU	C-N	5.92	1.41	1.33
1	36	148	LEU	C-N	5.92	1.41	1.33
1	4I	148	LEU	C-N	5.92	1.41	1.33
1	4Q	148	LEU	C-N	5.92	1.41	1.33
1	5Y	148	LEU	C-N	5.92	1.41	1.33
1	6E	148	LEU	C-N	5.92	1.41	1.33
1	6Y	148	LEU	C-N	5.92	1.41	1.33
1	7I	148	LEU	C-N	5.92	1.41	1.33
1	7U	148	LEU	C-N	5.92	1.41	1.33
1	1M	148	LEU	C-N	5.92	1.41	1.33
1	2I	148	LEU	C-N	5.92	1.41	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	148	LEU	C-N	5.92	1.41	1.33
1	3I	148	LEU	C-N	5.92	1.41	1.33
1	32	148	LEU	C-N	5.92	1.41	1.33
1	4E	148	LEU	C-N	5.92	1.41	1.33
1	4Y	148	LEU	C-N	5.92	1.41	1.33
1	5U	148	LEU	C-N	5.92	1.41	1.33
1	6M	148	LEU	C-N	5.92	1.41	1.33
1	6U	148	LEU	C-N	5.92	1.41	1.33
1	7E	148	LEU	C-N	5.92	1.41	1.33
1	7Q	148	LEU	C-N	5.92	1.41	1.33
1	12	13	ALA	C-N	5.90	1.41	1.33
1	16	13	ALA	C-N	5.90	1.41	1.33
1	2A	13	ALA	C-N	5.90	1.41	1.33
1	3Q	13	ALA	C-N	5.90	1.41	1.33
1	3U	13	ALA	C-N	5.90	1.41	1.33
1	3Y	13	ALA	C-N	5.90	1.41	1.33
1	5E	13	ALA	C-N	5.90	1.41	1.33
1	5I	13	ALA	C-N	5.90	1.41	1.33
1	5M	13	ALA	C-N	5.90	1.41	1.33
1	62	13	ALA	C-N	5.90	1.41	1.33
1	66	13	ALA	C-N	5.90	1.41	1.33
1	7A	13	ALA	C-N	5.90	1.41	1.33
1	1A	148	LEU	C-N	5.90	1.41	1.33
1	1I	148	LEU	C-N	5.90	1.41	1.33
1	2E	148	LEU	C-N	5.90	1.41	1.33
1	26	148	LEU	C-N	5.90	1.41	1.33
1	3E	148	LEU	C-N	5.90	1.41	1.33
1	4A	148	LEU	C-N	5.90	1.41	1.33
1	4M	148	LEU	C-N	5.90	1.41	1.33
1	4U	148	LEU	C-N	5.90	1.41	1.33
1	5Q	148	LEU	C-N	5.90	1.41	1.33
1	6I	148	LEU	C-N	5.90	1.41	1.33
1	6Q	148	LEU	C-N	5.90	1.41	1.33
1	7M	148	LEU	C-N	5.90	1.41	1.33
2	13	41	PHE	CE1-CZ	5.89	1.56	1.38
2	17	41	PHE	CE1-CZ	5.89	1.56	1.38
2	2B	41	PHE	CE1-CZ	5.89	1.56	1.38
2	3R	41	PHE	CE1-CZ	5.89	1.56	1.38
2	3V	41	PHE	CE1-CZ	5.89	1.56	1.38
2	3Z	41	PHE	CE1-CZ	5.89	1.56	1.38
2	5F	41	PHE	CE1-CZ	5.89	1.56	1.38
2	5J	41	PHE	CE1-CZ	5.89	1.56	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	41	PHE	CE1-CZ	5.89	1.56	1.38
2	63	41	PHE	CE1-CZ	5.89	1.56	1.38
2	67	41	PHE	CE1-CZ	5.89	1.56	1.38
2	7B	41	PHE	CE1-CZ	5.89	1.56	1.38
2	1F	221	ALA	N-CA	-5.89	1.37	1.46
2	1N	41	PHE	CE1-CZ	5.89	1.56	1.38
2	1R	41	PHE	CE1-CZ	5.89	1.56	1.38
2	1V	41	PHE	CE1-CZ	5.89	1.56	1.38
2	1Z	41	PHE	CE1-CZ	5.89	1.56	1.38
2	2J	41	PHE	CE1-CZ	5.89	1.56	1.38
2	2N	221	ALA	N-CA	-5.89	1.37	1.46
2	2R	41	PHE	CE1-CZ	5.89	1.56	1.38
2	2V	41	PHE	CE1-CZ	5.89	1.56	1.38
2	2Z	41	PHE	CE1-CZ	5.89	1.56	1.38
2	23	221	ALA	N-CA	-5.89	1.37	1.46
2	3B	41	PHE	CE1-CZ	5.89	1.56	1.38
2	3J	41	PHE	CE1-CZ	5.89	1.56	1.38
2	3N	221	ALA	N-CA	-5.89	1.37	1.46
2	33	41	PHE	CE1-CZ	5.89	1.56	1.38
2	37	221	ALA	N-CA	-5.89	1.37	1.46
2	4F	41	PHE	CE1-CZ	5.89	1.56	1.38
2	4J	221	ALA	N-CA	-5.89	1.37	1.46
2	4R	221	ALA	N-CA	-5.89	1.37	1.46
2	4Z	41	PHE	CE1-CZ	5.89	1.56	1.38
2	43	41	PHE	CE1-CZ	5.89	1.56	1.38
2	47	41	PHE	CE1-CZ	5.89	1.56	1.38
2	5B	41	PHE	CE1-CZ	5.89	1.56	1.38
2	5V	41	PHE	CE1-CZ	5.89	1.56	1.38
2	5Z	221	ALA	N-CA	-5.89	1.37	1.46
2	53	41	PHE	CE1-CZ	5.89	1.56	1.38
2	57	41	PHE	CE1-CZ	5.89	1.56	1.38
2	6B	41	PHE	CE1-CZ	5.89	1.56	1.38
2	6F	221	ALA	N-CA	-5.89	1.37	1.46
2	6N	41	PHE	CE1-CZ	5.89	1.56	1.38
2	6V	41	PHE	CE1-CZ	5.89	1.56	1.38
2	6Z	221	ALA	N-CA	-5.89	1.37	1.46
2	7F	41	PHE	CE1-CZ	5.89	1.56	1.38
2	7J	221	ALA	N-CA	-5.89	1.37	1.46
2	7R	41	PHE	CE1-CZ	5.89	1.56	1.38
2	7V	221	ALA	N-CA	-5.89	1.37	1.46
1	1Q	148	LEU	C-N	5.88	1.41	1.33
1	1U	148	LEU	C-N	5.88	1.41	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	148	LEU	C-N	5.88	1.41	1.33
2	13	221	ALA	N-CA	-5.88	1.37	1.46
2	17	221	ALA	N-CA	-5.88	1.37	1.46
2	2B	221	ALA	N-CA	-5.88	1.37	1.46
1	2Q	148	LEU	C-N	5.88	1.41	1.33
1	2U	148	LEU	C-N	5.88	1.41	1.33
1	2Y	148	LEU	C-N	5.88	1.41	1.33
2	3R	221	ALA	N-CA	-5.88	1.37	1.46
2	3V	221	ALA	N-CA	-5.88	1.37	1.46
2	3Z	221	ALA	N-CA	-5.88	1.37	1.46
1	42	148	LEU	C-N	5.88	1.41	1.33
1	46	148	LEU	C-N	5.88	1.41	1.33
1	5A	148	LEU	C-N	5.88	1.41	1.33
2	5F	221	ALA	N-CA	-5.88	1.37	1.46
2	5J	221	ALA	N-CA	-5.88	1.37	1.46
2	5N	221	ALA	N-CA	-5.88	1.37	1.46
1	52	148	LEU	C-N	5.88	1.41	1.33
1	56	148	LEU	C-N	5.88	1.41	1.33
1	6A	148	LEU	C-N	5.88	1.41	1.33
2	63	221	ALA	N-CA	-5.88	1.37	1.46
2	67	221	ALA	N-CA	-5.88	1.37	1.46
2	7B	221	ALA	N-CA	-5.88	1.37	1.46
2	1B	41	PHE	CE1-CZ	5.88	1.56	1.38
2	1F	41	PHE	CE1-CZ	5.88	1.56	1.38
2	1J	41	PHE	CE1-CZ	5.88	1.56	1.38
2	2F	41	PHE	CE1-CZ	5.88	1.56	1.38
2	2N	41	PHE	CE1-CZ	5.88	1.56	1.38
2	23	41	PHE	CE1-CZ	5.88	1.56	1.38
2	27	41	PHE	CE1-CZ	5.88	1.56	1.38
2	3F	41	PHE	CE1-CZ	5.88	1.56	1.38
2	3N	41	PHE	CE1-CZ	5.88	1.56	1.38
2	37	41	PHE	CE1-CZ	5.88	1.56	1.38
2	4B	41	PHE	CE1-CZ	5.88	1.56	1.38
2	4J	41	PHE	CE1-CZ	5.88	1.56	1.38
2	4N	41	PHE	CE1-CZ	5.88	1.56	1.38
2	4R	41	PHE	CE1-CZ	5.88	1.56	1.38
2	4V	41	PHE	CE1-CZ	5.88	1.56	1.38
2	5R	41	PHE	CE1-CZ	5.88	1.56	1.38
2	5Z	41	PHE	CE1-CZ	5.88	1.56	1.38
2	6F	41	PHE	CE1-CZ	5.88	1.56	1.38
2	6J	41	PHE	CE1-CZ	5.88	1.56	1.38
2	6R	41	PHE	CE1-CZ	5.88	1.56	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6Z	41	PHE	CE1-CZ	5.88	1.56	1.38
2	7J	41	PHE	CE1-CZ	5.88	1.56	1.38
2	7N	41	PHE	CE1-CZ	5.88	1.56	1.38
2	7V	41	PHE	CE1-CZ	5.88	1.56	1.38
2	1N	221	ALA	N-CA	-5.88	1.37	1.46
2	1R	70	TRP	CE2-CZ2	5.88	1.52	1.39
2	1V	70	TRP	CE2-CZ2	5.88	1.52	1.39
2	1Z	70	TRP	CE2-CZ2	5.88	1.52	1.39
2	2J	221	ALA	N-CA	-5.88	1.37	1.46
2	2R	70	TRP	CE2-CZ2	5.88	1.52	1.39
2	2V	70	TRP	CE2-CZ2	5.88	1.52	1.39
2	2Z	70	TRP	CE2-CZ2	5.88	1.52	1.39
2	3B	221	ALA	N-CA	-5.88	1.37	1.46
2	3J	221	ALA	N-CA	-5.88	1.37	1.46
2	33	221	ALA	N-CA	-5.88	1.37	1.46
2	4F	221	ALA	N-CA	-5.88	1.37	1.46
2	4Z	221	ALA	N-CA	-5.88	1.37	1.46
2	43	70	TRP	CE2-CZ2	5.88	1.52	1.39
2	47	70	TRP	CE2-CZ2	5.88	1.52	1.39
2	5B	70	TRP	CE2-CZ2	5.88	1.52	1.39
2	5V	221	ALA	N-CA	-5.88	1.37	1.46
2	53	70	TRP	CE2-CZ2	5.88	1.52	1.39
2	57	70	TRP	CE2-CZ2	5.88	1.52	1.39
2	6B	70	TRP	CE2-CZ2	5.88	1.52	1.39
2	6N	221	ALA	N-CA	-5.88	1.37	1.46
2	6V	221	ALA	N-CA	-5.88	1.37	1.46
2	7F	221	ALA	N-CA	-5.88	1.37	1.46
2	7R	221	ALA	N-CA	-5.88	1.37	1.46
2	1B	221	ALA	N-CA	-5.88	1.37	1.46
2	1J	221	ALA	N-CA	-5.88	1.37	1.46
2	2F	221	ALA	N-CA	-5.88	1.37	1.46
2	27	221	ALA	N-CA	-5.88	1.37	1.46
2	3F	221	ALA	N-CA	-5.88	1.37	1.46
2	4B	221	ALA	N-CA	-5.88	1.37	1.46
2	4N	221	ALA	N-CA	-5.88	1.37	1.46
2	4V	221	ALA	N-CA	-5.88	1.37	1.46
2	5R	221	ALA	N-CA	-5.88	1.37	1.46
2	6J	221	ALA	N-CA	-5.88	1.37	1.46
2	6R	221	ALA	N-CA	-5.88	1.37	1.46
2	7N	221	ALA	N-CA	-5.88	1.37	1.46
2	1R	221	ALA	N-CA	-5.88	1.37	1.46
2	1V	221	ALA	N-CA	-5.88	1.37	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	221	ALA	N-CA	-5.88	1.37	1.46
2	2R	221	ALA	N-CA	-5.88	1.37	1.46
2	2V	221	ALA	N-CA	-5.88	1.37	1.46
2	2Z	221	ALA	N-CA	-5.88	1.37	1.46
2	43	221	ALA	N-CA	-5.88	1.37	1.46
2	47	221	ALA	N-CA	-5.88	1.37	1.46
2	5B	221	ALA	N-CA	-5.88	1.37	1.46
2	53	221	ALA	N-CA	-5.88	1.37	1.46
2	57	221	ALA	N-CA	-5.88	1.37	1.46
2	6B	221	ALA	N-CA	-5.88	1.37	1.46
1	1A	13	ALA	C-N	5.86	1.41	1.33
1	1I	13	ALA	C-N	5.86	1.41	1.33
1	2E	13	ALA	C-N	5.86	1.41	1.33
1	26	13	ALA	C-N	5.86	1.41	1.33
1	3E	13	ALA	C-N	5.86	1.41	1.33
1	4A	13	ALA	C-N	5.86	1.41	1.33
1	4M	13	ALA	C-N	5.86	1.41	1.33
1	4U	13	ALA	C-N	5.86	1.41	1.33
1	5Q	13	ALA	C-N	5.86	1.41	1.33
1	6I	13	ALA	C-N	5.86	1.41	1.33
1	6Q	13	ALA	C-N	5.86	1.41	1.33
1	7M	13	ALA	C-N	5.86	1.41	1.33
2	1F	70	TRP	CE2-CZ2	5.86	1.52	1.39
2	2N	70	TRP	CE2-CZ2	5.86	1.52	1.39
2	23	70	TRP	CE2-CZ2	5.86	1.52	1.39
2	3N	70	TRP	CE2-CZ2	5.86	1.52	1.39
2	37	70	TRP	CE2-CZ2	5.86	1.52	1.39
2	4J	70	TRP	CE2-CZ2	5.86	1.52	1.39
2	4R	70	TRP	CE2-CZ2	5.86	1.52	1.39
2	5Z	70	TRP	CE2-CZ2	5.86	1.52	1.39
2	6F	70	TRP	CE2-CZ2	5.86	1.52	1.39
2	6Z	70	TRP	CE2-CZ2	5.86	1.52	1.39
2	7J	70	TRP	CE2-CZ2	5.86	1.52	1.39
2	7V	70	TRP	CE2-CZ2	5.86	1.52	1.39
1	1M	13	ALA	C-N	5.86	1.41	1.33
1	2I	13	ALA	C-N	5.86	1.41	1.33
1	3A	13	ALA	C-N	5.86	1.41	1.33
1	3I	13	ALA	C-N	5.86	1.41	1.33
1	32	13	ALA	C-N	5.86	1.41	1.33
1	4E	13	ALA	C-N	5.86	1.41	1.33
1	4Y	13	ALA	C-N	5.86	1.41	1.33
1	5U	13	ALA	C-N	5.86	1.41	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	13	ALA	C-N	5.86	1.41	1.33
1	6U	13	ALA	C-N	5.86	1.41	1.33
1	7E	13	ALA	C-N	5.86	1.41	1.33
1	7Q	13	ALA	C-N	5.86	1.41	1.33
2	1N	209	LEU	C-N	-5.86	1.25	1.33
2	2J	209	LEU	C-N	-5.86	1.25	1.33
2	3B	209	LEU	C-N	-5.86	1.25	1.33
2	3J	209	LEU	C-N	-5.86	1.25	1.33
2	33	209	LEU	C-N	-5.86	1.25	1.33
2	4F	209	LEU	C-N	-5.86	1.25	1.33
2	4Z	209	LEU	C-N	-5.86	1.25	1.33
2	5V	209	LEU	C-N	-5.86	1.25	1.33
2	6N	209	LEU	C-N	-5.86	1.25	1.33
2	6V	209	LEU	C-N	-5.86	1.25	1.33
2	7F	209	LEU	C-N	-5.86	1.25	1.33
2	7R	209	LEU	C-N	-5.86	1.25	1.33
2	13	70	TRP	CE2-CZ2	5.85	1.52	1.39
2	17	70	TRP	CE2-CZ2	5.85	1.52	1.39
2	2B	70	TRP	CE2-CZ2	5.85	1.52	1.39
2	3R	70	TRP	CE2-CZ2	5.85	1.52	1.39
2	3V	70	TRP	CE2-CZ2	5.85	1.52	1.39
2	3Z	70	TRP	CE2-CZ2	5.85	1.52	1.39
2	5F	70	TRP	CE2-CZ2	5.85	1.52	1.39
2	5J	70	TRP	CE2-CZ2	5.85	1.52	1.39
2	5N	70	TRP	CE2-CZ2	5.85	1.52	1.39
2	63	70	TRP	CE2-CZ2	5.85	1.52	1.39
2	67	70	TRP	CE2-CZ2	5.85	1.52	1.39
2	7B	70	TRP	CE2-CZ2	5.85	1.52	1.39
2	1B	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	1J	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	1R	209	LEU	C-N	-5.84	1.25	1.33
2	1V	209	LEU	C-N	-5.84	1.25	1.33
2	1Z	209	LEU	C-N	-5.84	1.25	1.33
2	2F	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	2R	209	LEU	C-N	-5.84	1.25	1.33
2	2V	209	LEU	C-N	-5.84	1.25	1.33
2	2Z	209	LEU	C-N	-5.84	1.25	1.33
2	27	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	3F	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	4B	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	4N	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	4V	70	TRP	CE2-CZ2	5.84	1.52	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	43	209	LEU	C-N	-5.84	1.25	1.33
2	47	209	LEU	C-N	-5.84	1.25	1.33
2	5B	209	LEU	C-N	-5.84	1.25	1.33
2	5R	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	53	209	LEU	C-N	-5.84	1.25	1.33
2	57	209	LEU	C-N	-5.84	1.25	1.33
2	6B	209	LEU	C-N	-5.84	1.25	1.33
2	6J	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	6R	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	7N	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	1N	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	2J	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	3B	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	3J	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	33	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	4F	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	4Z	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	5V	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	6N	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	6V	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	7F	70	TRP	CE2-CZ2	5.84	1.52	1.39
2	7R	70	TRP	CE2-CZ2	5.84	1.52	1.39
1	1Q	13	ALA	C-N	5.83	1.41	1.33
1	1U	13	ALA	C-N	5.83	1.41	1.33
1	1Y	13	ALA	C-N	5.83	1.41	1.33
1	2Q	13	ALA	C-N	5.83	1.41	1.33
1	2U	13	ALA	C-N	5.83	1.41	1.33
1	2Y	13	ALA	C-N	5.83	1.41	1.33
1	42	13	ALA	C-N	5.83	1.41	1.33
1	46	13	ALA	C-N	5.83	1.41	1.33
1	5A	13	ALA	C-N	5.83	1.41	1.33
1	52	13	ALA	C-N	5.83	1.41	1.33
1	56	13	ALA	C-N	5.83	1.41	1.33
1	6A	13	ALA	C-N	5.83	1.41	1.33
2	1B	209	LEU	C-N	-5.83	1.25	1.33
2	1J	209	LEU	C-N	-5.83	1.25	1.33
2	1R	216	ASN	CB-CG	5.83	1.66	1.52
2	1V	216	ASN	CB-CG	5.83	1.66	1.52
2	1Z	216	ASN	CB-CG	5.83	1.66	1.52
2	2F	209	LEU	C-N	-5.83	1.25	1.33
2	2R	216	ASN	CB-CG	5.83	1.66	1.52
2	2V	216	ASN	CB-CG	5.83	1.66	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2Z	216	ASN	CB-CG	5.83	1.66	1.52
2	27	209	LEU	C-N	-5.83	1.25	1.33
2	3F	209	LEU	C-N	-5.83	1.25	1.33
2	4B	209	LEU	C-N	-5.83	1.25	1.33
2	4N	209	LEU	C-N	-5.83	1.25	1.33
2	4V	209	LEU	C-N	-5.83	1.25	1.33
2	43	216	ASN	CB-CG	5.83	1.66	1.52
2	47	216	ASN	CB-CG	5.83	1.66	1.52
2	5B	216	ASN	CB-CG	5.83	1.66	1.52
2	5R	209	LEU	C-N	-5.83	1.25	1.33
2	53	216	ASN	CB-CG	5.83	1.66	1.52
2	57	216	ASN	CB-CG	5.83	1.66	1.52
2	6B	216	ASN	CB-CG	5.83	1.66	1.52
2	6J	209	LEU	C-N	-5.83	1.25	1.33
2	6R	209	LEU	C-N	-5.83	1.25	1.33
2	7N	209	LEU	C-N	-5.83	1.25	1.33
2	1B	216	ASN	CB-CG	5.82	1.66	1.52
2	1J	216	ASN	CB-CG	5.82	1.66	1.52
2	2F	216	ASN	CB-CG	5.82	1.66	1.52
2	27	216	ASN	CB-CG	5.82	1.66	1.52
2	3F	216	ASN	CB-CG	5.82	1.66	1.52
2	4B	216	ASN	CB-CG	5.82	1.66	1.52
2	4N	216	ASN	CB-CG	5.82	1.66	1.52
2	4V	216	ASN	CB-CG	5.82	1.66	1.52
2	5R	216	ASN	CB-CG	5.82	1.66	1.52
2	6J	216	ASN	CB-CG	5.82	1.66	1.52
2	6R	216	ASN	CB-CG	5.82	1.66	1.52
2	7N	216	ASN	CB-CG	5.82	1.66	1.52
2	13	216	ASN	CB-CG	5.82	1.66	1.52
2	17	216	ASN	CB-CG	5.82	1.66	1.52
2	2B	216	ASN	CB-CG	5.82	1.66	1.52
2	3R	216	ASN	CB-CG	5.82	1.66	1.52
2	3V	216	ASN	CB-CG	5.82	1.66	1.52
2	3Z	216	ASN	CB-CG	5.82	1.66	1.52
2	5F	216	ASN	CB-CG	5.82	1.66	1.52
2	5J	216	ASN	CB-CG	5.82	1.66	1.52
2	5N	216	ASN	CB-CG	5.82	1.66	1.52
2	63	216	ASN	CB-CG	5.82	1.66	1.52
2	67	216	ASN	CB-CG	5.82	1.66	1.52
2	7B	216	ASN	CB-CG	5.82	1.66	1.52
2	1F	209	LEU	C-N	-5.81	1.25	1.33
2	2N	209	LEU	C-N	-5.81	1.25	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	209	LEU	C-N	-5.81	1.25	1.33
2	3N	209	LEU	C-N	-5.81	1.25	1.33
2	37	209	LEU	C-N	-5.81	1.25	1.33
2	4J	209	LEU	C-N	-5.81	1.25	1.33
2	4R	209	LEU	C-N	-5.81	1.25	1.33
2	5Z	209	LEU	C-N	-5.81	1.25	1.33
2	6F	209	LEU	C-N	-5.81	1.25	1.33
2	6Z	209	LEU	C-N	-5.81	1.25	1.33
2	7J	209	LEU	C-N	-5.81	1.25	1.33
2	7V	209	LEU	C-N	-5.81	1.25	1.33
1	1E	13	ALA	C-N	5.81	1.41	1.33
1	2M	13	ALA	C-N	5.81	1.41	1.33
1	22	13	ALA	C-N	5.81	1.41	1.33
1	3M	13	ALA	C-N	5.81	1.41	1.33
1	36	13	ALA	C-N	5.81	1.41	1.33
1	4I	13	ALA	C-N	5.81	1.41	1.33
1	4Q	13	ALA	C-N	5.81	1.41	1.33
1	5Y	13	ALA	C-N	5.81	1.41	1.33
1	6E	13	ALA	C-N	5.81	1.41	1.33
1	6Y	13	ALA	C-N	5.81	1.41	1.33
1	7I	13	ALA	C-N	5.81	1.41	1.33
1	7U	13	ALA	C-N	5.81	1.41	1.33
2	13	209	LEU	C-N	-5.81	1.25	1.33
2	17	209	LEU	C-N	-5.81	1.25	1.33
2	2B	209	LEU	C-N	-5.81	1.25	1.33
2	3R	209	LEU	C-N	-5.81	1.25	1.33
2	3V	209	LEU	C-N	-5.81	1.25	1.33
2	3Z	209	LEU	C-N	-5.81	1.25	1.33
2	5F	209	LEU	C-N	-5.81	1.25	1.33
2	5J	209	LEU	C-N	-5.81	1.25	1.33
2	5N	209	LEU	C-N	-5.81	1.25	1.33
2	63	209	LEU	C-N	-5.81	1.25	1.33
2	67	209	LEU	C-N	-5.81	1.25	1.33
2	7B	209	LEU	C-N	-5.81	1.25	1.33
2	1F	216	ASN	CB-CG	5.80	1.66	1.52
2	2N	216	ASN	CB-CG	5.80	1.66	1.52
2	23	216	ASN	CB-CG	5.80	1.66	1.52
2	3N	216	ASN	CB-CG	5.80	1.66	1.52
2	37	216	ASN	CB-CG	5.80	1.66	1.52
2	4J	216	ASN	CB-CG	5.80	1.66	1.52
2	4R	216	ASN	CB-CG	5.80	1.66	1.52
2	5Z	216	ASN	CB-CG	5.80	1.66	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	216	ASN	CB-CG	5.80	1.66	1.52
2	6Z	216	ASN	CB-CG	5.80	1.66	1.52
2	7J	216	ASN	CB-CG	5.80	1.66	1.52
2	7V	216	ASN	CB-CG	5.80	1.66	1.52
2	1N	216	ASN	CB-CG	5.80	1.66	1.52
2	2J	216	ASN	CB-CG	5.80	1.66	1.52
2	3B	216	ASN	CB-CG	5.80	1.66	1.52
2	3J	216	ASN	CB-CG	5.80	1.66	1.52
2	33	216	ASN	CB-CG	5.80	1.66	1.52
2	4F	216	ASN	CB-CG	5.80	1.66	1.52
2	4Z	216	ASN	CB-CG	5.80	1.66	1.52
2	5V	216	ASN	CB-CG	5.80	1.66	1.52
2	6N	216	ASN	CB-CG	5.80	1.66	1.52
2	6V	216	ASN	CB-CG	5.80	1.66	1.52
2	7F	216	ASN	CB-CG	5.80	1.66	1.52
2	7R	216	ASN	CB-CG	5.80	1.66	1.52
2	1B	216	ASN	CG-OD1	-5.78	1.12	1.23
2	1J	216	ASN	CG-OD1	-5.78	1.12	1.23
2	2F	216	ASN	CG-OD1	-5.78	1.12	1.23
2	27	216	ASN	CG-OD1	-5.78	1.12	1.23
2	3F	216	ASN	CG-OD1	-5.78	1.12	1.23
2	4B	216	ASN	CG-OD1	-5.78	1.12	1.23
2	4N	216	ASN	CG-OD1	-5.78	1.12	1.23
2	4V	216	ASN	CG-OD1	-5.78	1.12	1.23
2	5R	216	ASN	CG-OD1	-5.78	1.12	1.23
2	6J	216	ASN	CG-OD1	-5.78	1.12	1.23
2	6R	216	ASN	CG-OD1	-5.78	1.12	1.23
2	7N	216	ASN	CG-OD1	-5.78	1.12	1.23
2	1R	216	ASN	CG-OD1	-5.78	1.12	1.23
2	1V	216	ASN	CG-OD1	-5.78	1.12	1.23
2	1Z	216	ASN	CG-OD1	-5.78	1.12	1.23
1	12	85	LEU	CG-CD1	5.78	1.71	1.52
1	16	85	LEU	CG-CD1	5.78	1.71	1.52
1	2A	85	LEU	CG-CD1	5.78	1.71	1.52
2	2R	216	ASN	CG-OD1	-5.78	1.12	1.23
2	2V	216	ASN	CG-OD1	-5.78	1.12	1.23
2	2Z	216	ASN	CG-OD1	-5.78	1.12	1.23
1	3Q	85	LEU	CG-CD1	5.78	1.71	1.52
1	3U	85	LEU	CG-CD1	5.78	1.71	1.52
1	3Y	85	LEU	CG-CD1	5.78	1.71	1.52
2	43	216	ASN	CG-OD1	-5.78	1.12	1.23
2	47	216	ASN	CG-OD1	-5.78	1.12	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	216	ASN	CG-OD1	-5.78	1.12	1.23
1	5E	85	LEU	CG-CD1	5.78	1.71	1.52
1	5I	85	LEU	CG-CD1	5.78	1.71	1.52
1	5M	85	LEU	CG-CD1	5.78	1.71	1.52
2	53	216	ASN	CG-OD1	-5.78	1.12	1.23
2	57	216	ASN	CG-OD1	-5.78	1.12	1.23
2	6B	216	ASN	CG-OD1	-5.78	1.12	1.23
1	62	85	LEU	CG-CD1	5.78	1.71	1.52
1	66	85	LEU	CG-CD1	5.78	1.71	1.52
1	7A	85	LEU	CG-CD1	5.78	1.71	1.52
1	1M	85	LEU	CG-CD1	5.78	1.71	1.52
1	2I	85	LEU	CG-CD1	5.78	1.71	1.52
1	3A	85	LEU	CG-CD1	5.78	1.71	1.52
1	3I	85	LEU	CG-CD1	5.78	1.71	1.52
1	32	85	LEU	CG-CD1	5.78	1.71	1.52
1	4E	85	LEU	CG-CD1	5.78	1.71	1.52
1	4Y	85	LEU	CG-CD1	5.78	1.71	1.52
1	5U	85	LEU	CG-CD1	5.78	1.71	1.52
1	6M	85	LEU	CG-CD1	5.78	1.71	1.52
1	6U	85	LEU	CG-CD1	5.78	1.71	1.52
1	7E	85	LEU	CG-CD1	5.78	1.71	1.52
1	7Q	85	LEU	CG-CD1	5.78	1.71	1.52
1	1Q	85	LEU	CG-CD1	5.78	1.71	1.52
1	1U	85	LEU	CG-CD1	5.78	1.71	1.52
1	1Y	85	LEU	CG-CD1	5.78	1.71	1.52
1	2Q	85	LEU	CG-CD1	5.78	1.71	1.52
1	2U	85	LEU	CG-CD1	5.78	1.71	1.52
1	2Y	85	LEU	CG-CD1	5.78	1.71	1.52
1	42	85	LEU	CG-CD1	5.78	1.71	1.52
1	46	85	LEU	CG-CD1	5.78	1.71	1.52
1	5A	85	LEU	CG-CD1	5.78	1.71	1.52
1	52	85	LEU	CG-CD1	5.78	1.71	1.52
1	56	85	LEU	CG-CD1	5.78	1.71	1.52
1	6A	85	LEU	CG-CD1	5.78	1.71	1.52
2	1F	216	ASN	CG-OD1	-5.77	1.12	1.23
2	1R	47	ASP	N-CA	5.77	1.53	1.45
2	1V	47	ASP	N-CA	5.77	1.53	1.45
2	1Z	47	ASP	N-CA	5.77	1.53	1.45
2	2N	216	ASN	CG-OD1	-5.77	1.12	1.23
2	2R	47	ASP	N-CA	5.77	1.53	1.45
2	2V	47	ASP	N-CA	5.77	1.53	1.45
2	2Z	47	ASP	N-CA	5.77	1.53	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	216	ASN	CG-OD1	-5.77	1.12	1.23
2	3N	216	ASN	CG-OD1	-5.77	1.12	1.23
2	37	216	ASN	CG-OD1	-5.77	1.12	1.23
2	4J	216	ASN	CG-OD1	-5.77	1.12	1.23
2	4R	216	ASN	CG-OD1	-5.77	1.12	1.23
2	43	47	ASP	N-CA	5.77	1.53	1.45
2	47	47	ASP	N-CA	5.77	1.53	1.45
2	5B	47	ASP	N-CA	5.77	1.53	1.45
2	5Z	216	ASN	CG-OD1	-5.77	1.12	1.23
2	53	47	ASP	N-CA	5.77	1.53	1.45
2	57	47	ASP	N-CA	5.77	1.53	1.45
2	6B	47	ASP	N-CA	5.77	1.53	1.45
2	6F	216	ASN	CG-OD1	-5.77	1.12	1.23
2	6Z	216	ASN	CG-OD1	-5.77	1.12	1.23
2	7J	216	ASN	CG-OD1	-5.77	1.12	1.23
2	7V	216	ASN	CG-OD1	-5.77	1.12	1.23
1	1A	85	LEU	CG-CD1	5.77	1.71	1.52
1	1I	85	LEU	CG-CD1	5.77	1.71	1.52
1	2E	85	LEU	CG-CD1	5.77	1.71	1.52
1	26	85	LEU	CG-CD1	5.77	1.71	1.52
1	3E	85	LEU	CG-CD1	5.77	1.71	1.52
1	4A	85	LEU	CG-CD1	5.77	1.71	1.52
1	4M	85	LEU	CG-CD1	5.77	1.71	1.52
1	4U	85	LEU	CG-CD1	5.77	1.71	1.52
1	5Q	85	LEU	CG-CD1	5.77	1.71	1.52
1	6I	85	LEU	CG-CD1	5.77	1.71	1.52
1	6Q	85	LEU	CG-CD1	5.77	1.71	1.52
1	7M	85	LEU	CG-CD1	5.77	1.71	1.52
2	1N	46	TYR	CE2-CZ	-5.76	1.24	1.38
2	2J	46	TYR	CE2-CZ	-5.76	1.24	1.38
2	3B	46	TYR	CE2-CZ	-5.76	1.24	1.38
2	3J	46	TYR	CE2-CZ	-5.76	1.24	1.38
2	33	46	TYR	CE2-CZ	-5.76	1.24	1.38
2	4F	46	TYR	CE2-CZ	-5.76	1.24	1.38
2	4Z	46	TYR	CE2-CZ	-5.76	1.24	1.38
2	5V	46	TYR	CE2-CZ	-5.76	1.24	1.38
2	6N	46	TYR	CE2-CZ	-5.76	1.24	1.38
2	6V	46	TYR	CE2-CZ	-5.76	1.24	1.38
2	7F	46	TYR	CE2-CZ	-5.76	1.24	1.38
2	7R	46	TYR	CE2-CZ	-5.76	1.24	1.38
1	1M	167	GLY	N-CA	-5.76	1.37	1.45
1	12	167	GLY	N-CA	-5.76	1.37	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	16	167	GLY	N-CA	-5.76	1.37	1.45
1	2A	167	GLY	N-CA	-5.76	1.37	1.45
1	2I	167	GLY	N-CA	-5.76	1.37	1.45
1	3A	167	GLY	N-CA	-5.76	1.37	1.45
1	3I	167	GLY	N-CA	-5.76	1.37	1.45
1	3Q	167	GLY	N-CA	-5.76	1.37	1.45
1	3U	167	GLY	N-CA	-5.76	1.37	1.45
1	3Y	167	GLY	N-CA	-5.76	1.37	1.45
1	32	167	GLY	N-CA	-5.76	1.37	1.45
1	4E	167	GLY	N-CA	-5.76	1.37	1.45
1	4Y	167	GLY	N-CA	-5.76	1.37	1.45
1	5E	167	GLY	N-CA	-5.76	1.37	1.45
1	5I	167	GLY	N-CA	-5.76	1.37	1.45
1	5M	167	GLY	N-CA	-5.76	1.37	1.45
1	5U	167	GLY	N-CA	-5.76	1.37	1.45
1	6M	167	GLY	N-CA	-5.76	1.37	1.45
1	6U	167	GLY	N-CA	-5.76	1.37	1.45
1	62	167	GLY	N-CA	-5.76	1.37	1.45
1	66	167	GLY	N-CA	-5.76	1.37	1.45
1	7A	167	GLY	N-CA	-5.76	1.37	1.45
1	7E	167	GLY	N-CA	-5.76	1.37	1.45
1	7Q	167	GLY	N-CA	-5.76	1.37	1.45
1	1E	85	LEU	CG-CD1	5.75	1.71	1.52
1	2M	85	LEU	CG-CD1	5.75	1.71	1.52
1	22	85	LEU	CG-CD1	5.75	1.71	1.52
1	3M	85	LEU	CG-CD1	5.75	1.71	1.52
1	36	85	LEU	CG-CD1	5.75	1.71	1.52
1	4I	85	LEU	CG-CD1	5.75	1.71	1.52
1	4Q	85	LEU	CG-CD1	5.75	1.71	1.52
1	5Y	85	LEU	CG-CD1	5.75	1.71	1.52
1	6E	85	LEU	CG-CD1	5.75	1.71	1.52
1	6Y	85	LEU	CG-CD1	5.75	1.71	1.52
1	7I	85	LEU	CG-CD1	5.75	1.71	1.52
1	7U	85	LEU	CG-CD1	5.75	1.71	1.52
2	13	46	TYR	CE2-CZ	-5.75	1.24	1.38
2	17	46	TYR	CE2-CZ	-5.75	1.24	1.38
2	2B	46	TYR	CE2-CZ	-5.75	1.24	1.38
2	3R	46	TYR	CE2-CZ	-5.75	1.24	1.38
2	3V	46	TYR	CE2-CZ	-5.75	1.24	1.38
2	3Z	46	TYR	CE2-CZ	-5.75	1.24	1.38
2	5F	46	TYR	CE2-CZ	-5.75	1.24	1.38
2	5J	46	TYR	CE2-CZ	-5.75	1.24	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	46	TYR	CE2-CZ	-5.75	1.24	1.38
2	63	46	TYR	CE2-CZ	-5.75	1.24	1.38
2	67	46	TYR	CE2-CZ	-5.75	1.24	1.38
2	7B	46	TYR	CE2-CZ	-5.75	1.24	1.38
2	1N	216	ASN	CG-OD1	-5.75	1.12	1.23
2	1R	27	PRO	CG-CD	-5.75	1.31	1.50
2	1V	27	PRO	CG-CD	-5.75	1.31	1.50
2	1Z	27	PRO	CG-CD	-5.75	1.31	1.50
2	2J	216	ASN	CG-OD1	-5.75	1.12	1.23
2	2R	27	PRO	CG-CD	-5.75	1.31	1.50
2	2V	27	PRO	CG-CD	-5.75	1.31	1.50
2	2Z	27	PRO	CG-CD	-5.75	1.31	1.50
2	3B	216	ASN	CG-OD1	-5.75	1.12	1.23
2	3J	216	ASN	CG-OD1	-5.75	1.12	1.23
2	33	216	ASN	CG-OD1	-5.75	1.12	1.23
2	4F	216	ASN	CG-OD1	-5.75	1.12	1.23
2	4Z	216	ASN	CG-OD1	-5.75	1.12	1.23
2	43	27	PRO	CG-CD	-5.75	1.31	1.50
2	47	27	PRO	CG-CD	-5.75	1.31	1.50
2	5B	27	PRO	CG-CD	-5.75	1.31	1.50
2	5V	216	ASN	CG-OD1	-5.75	1.12	1.23
2	53	27	PRO	CG-CD	-5.75	1.31	1.50
2	57	27	PRO	CG-CD	-5.75	1.31	1.50
2	6B	27	PRO	CG-CD	-5.75	1.31	1.50
2	6N	216	ASN	CG-OD1	-5.75	1.12	1.23
2	6V	216	ASN	CG-OD1	-5.75	1.12	1.23
2	7F	216	ASN	CG-OD1	-5.75	1.12	1.23
2	7R	216	ASN	CG-OD1	-5.75	1.12	1.23
2	13	216	ASN	CG-OD1	-5.75	1.12	1.23
2	17	216	ASN	CG-OD1	-5.75	1.12	1.23
2	2B	216	ASN	CG-OD1	-5.75	1.12	1.23
2	3R	216	ASN	CG-OD1	-5.75	1.12	1.23
2	3V	216	ASN	CG-OD1	-5.75	1.12	1.23
2	3Z	216	ASN	CG-OD1	-5.75	1.12	1.23
2	5F	216	ASN	CG-OD1	-5.75	1.12	1.23
2	5J	216	ASN	CG-OD1	-5.75	1.12	1.23
2	5N	216	ASN	CG-OD1	-5.75	1.12	1.23
2	63	216	ASN	CG-OD1	-5.75	1.12	1.23
2	67	216	ASN	CG-OD1	-5.75	1.12	1.23
2	7B	216	ASN	CG-OD1	-5.75	1.12	1.23
2	1B	27	PRO	CG-CD	-5.74	1.31	1.50
2	1B	46	TYR	CE2-CZ	-5.74	1.24	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1J	27	PRO	CG-CD	-5.74	1.31	1.50
2	1J	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	2F	27	PRO	CG-CD	-5.74	1.31	1.50
2	2F	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	27	27	PRO	CG-CD	-5.74	1.31	1.50
2	27	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	3F	27	PRO	CG-CD	-5.74	1.31	1.50
2	3F	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	4B	27	PRO	CG-CD	-5.74	1.31	1.50
2	4B	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	4N	27	PRO	CG-CD	-5.74	1.31	1.50
2	4N	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	4V	27	PRO	CG-CD	-5.74	1.31	1.50
2	4V	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	5R	27	PRO	CG-CD	-5.74	1.31	1.50
2	5R	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	6J	27	PRO	CG-CD	-5.74	1.31	1.50
2	6J	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	6R	27	PRO	CG-CD	-5.74	1.31	1.50
2	6R	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	7N	27	PRO	CG-CD	-5.74	1.31	1.50
2	7N	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	1B	47	ASP	N-CA	5.74	1.53	1.45
2	1F	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	1J	47	ASP	N-CA	5.74	1.53	1.45
2	2F	47	ASP	N-CA	5.74	1.53	1.45
2	2N	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	23	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	27	47	ASP	N-CA	5.74	1.53	1.45
2	3F	47	ASP	N-CA	5.74	1.53	1.45
2	3N	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	37	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	4B	47	ASP	N-CA	5.74	1.53	1.45
2	4J	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	4N	47	ASP	N-CA	5.74	1.53	1.45
2	4R	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	4V	47	ASP	N-CA	5.74	1.53	1.45
2	5R	47	ASP	N-CA	5.74	1.53	1.45
2	5Z	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	6F	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	6J	47	ASP	N-CA	5.74	1.53	1.45
2	6R	47	ASP	N-CA	5.74	1.53	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6Z	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	7J	46	TYR	CE2-CZ	-5.74	1.24	1.38
2	7N	47	ASP	N-CA	5.74	1.53	1.45
2	7V	46	TYR	CE2-CZ	-5.74	1.24	1.38
1	1E	167	GLY	N-CA	-5.74	1.37	1.45
1	1Q	167	GLY	N-CA	-5.74	1.37	1.45
1	1U	167	GLY	N-CA	-5.74	1.37	1.45
1	1Y	167	GLY	N-CA	-5.74	1.37	1.45
1	2M	167	GLY	N-CA	-5.74	1.37	1.45
1	2Q	167	GLY	N-CA	-5.74	1.37	1.45
1	2U	167	GLY	N-CA	-5.74	1.37	1.45
1	2Y	167	GLY	N-CA	-5.74	1.37	1.45
1	22	167	GLY	N-CA	-5.74	1.37	1.45
1	3M	167	GLY	N-CA	-5.74	1.37	1.45
1	36	167	GLY	N-CA	-5.74	1.37	1.45
1	4I	167	GLY	N-CA	-5.74	1.37	1.45
1	4Q	167	GLY	N-CA	-5.74	1.37	1.45
1	42	167	GLY	N-CA	-5.74	1.37	1.45
1	46	167	GLY	N-CA	-5.74	1.37	1.45
1	5A	167	GLY	N-CA	-5.74	1.37	1.45
1	5Y	167	GLY	N-CA	-5.74	1.37	1.45
1	52	167	GLY	N-CA	-5.74	1.37	1.45
1	56	167	GLY	N-CA	-5.74	1.37	1.45
1	6A	167	GLY	N-CA	-5.74	1.37	1.45
1	6E	167	GLY	N-CA	-5.74	1.37	1.45
1	6Y	167	GLY	N-CA	-5.74	1.37	1.45
1	7I	167	GLY	N-CA	-5.74	1.37	1.45
1	7U	167	GLY	N-CA	-5.74	1.37	1.45
1	1A	167	GLY	N-CA	-5.74	1.37	1.45
1	1I	167	GLY	N-CA	-5.74	1.37	1.45
1	2E	167	GLY	N-CA	-5.74	1.37	1.45
1	26	167	GLY	N-CA	-5.74	1.37	1.45
1	3E	167	GLY	N-CA	-5.74	1.37	1.45
1	4A	167	GLY	N-CA	-5.74	1.37	1.45
1	4M	167	GLY	N-CA	-5.74	1.37	1.45
1	4U	167	GLY	N-CA	-5.74	1.37	1.45
1	5Q	167	GLY	N-CA	-5.74	1.37	1.45
1	6I	167	GLY	N-CA	-5.74	1.37	1.45
1	6Q	167	GLY	N-CA	-5.74	1.37	1.45
1	7M	167	GLY	N-CA	-5.74	1.37	1.45
2	1R	46	TYR	CE2-CZ	-5.73	1.24	1.38
2	1V	46	TYR	CE2-CZ	-5.73	1.24	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	46	TYR	CE2-CZ	-5.73	1.24	1.38
2	2R	46	TYR	CE2-CZ	-5.73	1.24	1.38
2	2V	46	TYR	CE2-CZ	-5.73	1.24	1.38
2	2Z	46	TYR	CE2-CZ	-5.73	1.24	1.38
2	43	46	TYR	CE2-CZ	-5.73	1.24	1.38
2	47	46	TYR	CE2-CZ	-5.73	1.24	1.38
2	5B	46	TYR	CE2-CZ	-5.73	1.24	1.38
2	53	46	TYR	CE2-CZ	-5.73	1.24	1.38
2	57	46	TYR	CE2-CZ	-5.73	1.24	1.38
2	6B	46	TYR	CE2-CZ	-5.73	1.24	1.38
2	1F	47	ASP	N-CA	5.73	1.53	1.45
2	1N	27	PRO	CG-CD	-5.73	1.31	1.50
2	1N	47	ASP	N-CA	5.73	1.53	1.45
2	2J	27	PRO	CG-CD	-5.73	1.31	1.50
2	2J	47	ASP	N-CA	5.73	1.53	1.45
2	2N	47	ASP	N-CA	5.73	1.53	1.45
2	23	47	ASP	N-CA	5.73	1.53	1.45
2	3B	27	PRO	CG-CD	-5.73	1.31	1.50
2	3B	47	ASP	N-CA	5.73	1.53	1.45
2	3J	27	PRO	CG-CD	-5.73	1.31	1.50
2	3J	47	ASP	N-CA	5.73	1.53	1.45
2	3N	47	ASP	N-CA	5.73	1.53	1.45
2	33	27	PRO	CG-CD	-5.73	1.31	1.50
2	33	47	ASP	N-CA	5.73	1.53	1.45
2	37	47	ASP	N-CA	5.73	1.53	1.45
2	4F	27	PRO	CG-CD	-5.73	1.31	1.50
2	4F	47	ASP	N-CA	5.73	1.53	1.45
2	4J	47	ASP	N-CA	5.73	1.53	1.45
2	4R	47	ASP	N-CA	5.73	1.53	1.45
2	4Z	27	PRO	CG-CD	-5.73	1.31	1.50
2	4Z	47	ASP	N-CA	5.73	1.53	1.45
2	5V	27	PRO	CG-CD	-5.73	1.31	1.50
2	5V	47	ASP	N-CA	5.73	1.53	1.45
2	5Z	47	ASP	N-CA	5.73	1.53	1.45
2	6F	47	ASP	N-CA	5.73	1.53	1.45
2	6N	27	PRO	CG-CD	-5.73	1.31	1.50
2	6N	47	ASP	N-CA	5.73	1.53	1.45
2	6V	27	PRO	CG-CD	-5.73	1.31	1.50
2	6V	47	ASP	N-CA	5.73	1.53	1.45
2	6Z	47	ASP	N-CA	5.73	1.53	1.45
2	7F	27	PRO	CG-CD	-5.73	1.31	1.50
2	7F	47	ASP	N-CA	5.73	1.53	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	7J	47	ASP	N-CA	5.73	1.53	1.45
2	7R	27	PRO	CG-CD	-5.73	1.31	1.50
2	7R	47	ASP	N-CA	5.73	1.53	1.45
2	7V	47	ASP	N-CA	5.73	1.53	1.45
2	1F	27	PRO	CG-CD	-5.73	1.31	1.50
2	2N	27	PRO	CG-CD	-5.73	1.31	1.50
2	23	27	PRO	CG-CD	-5.73	1.31	1.50
2	3N	27	PRO	CG-CD	-5.73	1.31	1.50
2	37	27	PRO	CG-CD	-5.73	1.31	1.50
2	4J	27	PRO	CG-CD	-5.73	1.31	1.50
2	4R	27	PRO	CG-CD	-5.73	1.31	1.50
2	5Z	27	PRO	CG-CD	-5.73	1.31	1.50
2	6F	27	PRO	CG-CD	-5.73	1.31	1.50
2	6Z	27	PRO	CG-CD	-5.73	1.31	1.50
2	7J	27	PRO	CG-CD	-5.73	1.31	1.50
2	7V	27	PRO	CG-CD	-5.73	1.31	1.50
2	1R	36	SER	N-CA	-5.73	1.38	1.46
2	1V	36	SER	N-CA	-5.73	1.38	1.46
2	1Z	36	SER	N-CA	-5.73	1.38	1.46
2	13	27	PRO	CG-CD	-5.73	1.31	1.50
2	17	27	PRO	CG-CD	-5.73	1.31	1.50
2	2B	27	PRO	CG-CD	-5.73	1.31	1.50
2	2R	36	SER	N-CA	-5.73	1.38	1.46
2	2V	36	SER	N-CA	-5.73	1.38	1.46
2	2Z	36	SER	N-CA	-5.73	1.38	1.46
2	3R	27	PRO	CG-CD	-5.73	1.31	1.50
2	3V	27	PRO	CG-CD	-5.73	1.31	1.50
2	3Z	27	PRO	CG-CD	-5.73	1.31	1.50
2	43	36	SER	N-CA	-5.73	1.38	1.46
2	47	36	SER	N-CA	-5.73	1.38	1.46
2	5B	36	SER	N-CA	-5.73	1.38	1.46
2	5F	27	PRO	CG-CD	-5.73	1.31	1.50
2	5J	27	PRO	CG-CD	-5.73	1.31	1.50
2	5N	27	PRO	CG-CD	-5.73	1.31	1.50
2	53	36	SER	N-CA	-5.73	1.38	1.46
2	57	36	SER	N-CA	-5.73	1.38	1.46
2	6B	36	SER	N-CA	-5.73	1.38	1.46
2	63	27	PRO	CG-CD	-5.73	1.31	1.50
2	67	27	PRO	CG-CD	-5.73	1.31	1.50
2	7B	27	PRO	CG-CD	-5.73	1.31	1.50
2	1N	23	HIS	N-CA	5.73	1.54	1.46
2	2J	23	HIS	N-CA	5.73	1.54	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	23	HIS	N-CA	5.73	1.54	1.46
2	3J	23	HIS	N-CA	5.73	1.54	1.46
2	33	23	HIS	N-CA	5.73	1.54	1.46
2	4F	23	HIS	N-CA	5.73	1.54	1.46
2	4Z	23	HIS	N-CA	5.73	1.54	1.46
2	5V	23	HIS	N-CA	5.73	1.54	1.46
2	6N	23	HIS	N-CA	5.73	1.54	1.46
2	6V	23	HIS	N-CA	5.73	1.54	1.46
2	7F	23	HIS	N-CA	5.73	1.54	1.46
2	7R	23	HIS	N-CA	5.73	1.54	1.46
2	1R	23	HIS	N-CA	5.72	1.54	1.46
2	1V	23	HIS	N-CA	5.72	1.54	1.46
2	1Z	23	HIS	N-CA	5.72	1.54	1.46
1	12	50	ARG	CZ-NH1	-5.72	1.24	1.32
2	13	47	ASP	N-CA	5.72	1.53	1.45
1	16	50	ARG	CZ-NH1	-5.72	1.24	1.32
2	17	47	ASP	N-CA	5.72	1.53	1.45
1	2A	50	ARG	CZ-NH1	-5.72	1.24	1.32
2	2B	47	ASP	N-CA	5.72	1.53	1.45
2	2R	23	HIS	N-CA	5.72	1.54	1.46
2	2V	23	HIS	N-CA	5.72	1.54	1.46
2	2Z	23	HIS	N-CA	5.72	1.54	1.46
1	3Q	50	ARG	CZ-NH1	-5.72	1.24	1.32
2	3R	47	ASP	N-CA	5.72	1.53	1.45
1	3U	50	ARG	CZ-NH1	-5.72	1.24	1.32
2	3V	47	ASP	N-CA	5.72	1.53	1.45
1	3Y	50	ARG	CZ-NH1	-5.72	1.24	1.32
2	3Z	47	ASP	N-CA	5.72	1.53	1.45
2	43	23	HIS	N-CA	5.72	1.54	1.46
2	47	23	HIS	N-CA	5.72	1.54	1.46
2	5B	23	HIS	N-CA	5.72	1.54	1.46
1	5E	50	ARG	CZ-NH1	-5.72	1.24	1.32
2	5F	47	ASP	N-CA	5.72	1.53	1.45
1	5I	50	ARG	CZ-NH1	-5.72	1.24	1.32
2	5J	47	ASP	N-CA	5.72	1.53	1.45
1	5M	50	ARG	CZ-NH1	-5.72	1.24	1.32
2	5N	47	ASP	N-CA	5.72	1.53	1.45
2	53	23	HIS	N-CA	5.72	1.54	1.46
2	57	23	HIS	N-CA	5.72	1.54	1.46
2	6B	23	HIS	N-CA	5.72	1.54	1.46
1	62	50	ARG	CZ-NH1	-5.72	1.24	1.32
2	63	47	ASP	N-CA	5.72	1.53	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	50	ARG	CZ-NH1	-5.72	1.24	1.32
2	67	47	ASP	N-CA	5.72	1.53	1.45
1	7A	50	ARG	CZ-NH1	-5.72	1.24	1.32
2	7B	47	ASP	N-CA	5.72	1.53	1.45
2	1N	36	SER	N-CA	-5.72	1.38	1.46
2	13	72	ARG	CG-CD	5.72	1.69	1.52
2	17	72	ARG	CG-CD	5.72	1.69	1.52
2	2B	72	ARG	CG-CD	5.72	1.69	1.52
2	2J	36	SER	N-CA	-5.72	1.38	1.46
2	3B	36	SER	N-CA	-5.72	1.38	1.46
2	3J	36	SER	N-CA	-5.72	1.38	1.46
2	3R	72	ARG	CG-CD	5.72	1.69	1.52
2	3V	72	ARG	CG-CD	5.72	1.69	1.52
2	3Z	72	ARG	CG-CD	5.72	1.69	1.52
2	33	36	SER	N-CA	-5.72	1.38	1.46
2	4F	36	SER	N-CA	-5.72	1.38	1.46
2	4Z	36	SER	N-CA	-5.72	1.38	1.46
2	5F	72	ARG	CG-CD	5.72	1.69	1.52
2	5J	72	ARG	CG-CD	5.72	1.69	1.52
2	5N	72	ARG	CG-CD	5.72	1.69	1.52
2	5V	36	SER	N-CA	-5.72	1.38	1.46
2	6N	36	SER	N-CA	-5.72	1.38	1.46
2	6V	36	SER	N-CA	-5.72	1.38	1.46
2	63	72	ARG	CG-CD	5.72	1.69	1.52
2	67	72	ARG	CG-CD	5.72	1.69	1.52
2	7B	72	ARG	CG-CD	5.72	1.69	1.52
2	7F	36	SER	N-CA	-5.72	1.38	1.46
2	7R	36	SER	N-CA	-5.72	1.38	1.46
2	1F	36	SER	N-CA	-5.72	1.38	1.46
2	2N	36	SER	N-CA	-5.72	1.38	1.46
2	23	36	SER	N-CA	-5.72	1.38	1.46
2	3N	36	SER	N-CA	-5.72	1.38	1.46
2	37	36	SER	N-CA	-5.72	1.38	1.46
2	4J	36	SER	N-CA	-5.72	1.38	1.46
2	4R	36	SER	N-CA	-5.72	1.38	1.46
2	5Z	36	SER	N-CA	-5.72	1.38	1.46
2	6F	36	SER	N-CA	-5.72	1.38	1.46
2	6Z	36	SER	N-CA	-5.72	1.38	1.46
2	7J	36	SER	N-CA	-5.72	1.38	1.46
2	7V	36	SER	N-CA	-5.72	1.38	1.46
1	1M	50	ARG	CZ-NH1	-5.71	1.24	1.32
1	2I	50	ARG	CZ-NH1	-5.71	1.24	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3A	50	ARG	CZ-NH1	-5.71	1.24	1.32
1	3I	50	ARG	CZ-NH1	-5.71	1.24	1.32
1	32	50	ARG	CZ-NH1	-5.71	1.24	1.32
1	4E	50	ARG	CZ-NH1	-5.71	1.24	1.32
1	4Y	50	ARG	CZ-NH1	-5.71	1.24	1.32
1	5U	50	ARG	CZ-NH1	-5.71	1.24	1.32
1	6M	50	ARG	CZ-NH1	-5.71	1.24	1.32
1	6U	50	ARG	CZ-NH1	-5.71	1.24	1.32
1	7E	50	ARG	CZ-NH1	-5.71	1.24	1.32
1	7Q	50	ARG	CZ-NH1	-5.71	1.24	1.32
2	1F	72	ARG	CG-CD	5.70	1.69	1.52
2	2N	72	ARG	CG-CD	5.70	1.69	1.52
2	23	72	ARG	CG-CD	5.70	1.69	1.52
2	3N	72	ARG	CG-CD	5.70	1.69	1.52
2	37	72	ARG	CG-CD	5.70	1.69	1.52
2	4J	72	ARG	CG-CD	5.70	1.69	1.52
2	4R	72	ARG	CG-CD	5.70	1.69	1.52
2	5Z	72	ARG	CG-CD	5.70	1.69	1.52
2	6F	72	ARG	CG-CD	5.70	1.69	1.52
2	6Z	72	ARG	CG-CD	5.70	1.69	1.52
2	7J	72	ARG	CG-CD	5.70	1.69	1.52
2	7V	72	ARG	CG-CD	5.70	1.69	1.52
2	1B	72	ARG	CG-CD	5.70	1.69	1.52
2	1J	72	ARG	CG-CD	5.70	1.69	1.52
2	2F	72	ARG	CG-CD	5.70	1.69	1.52
2	27	72	ARG	CG-CD	5.70	1.69	1.52
2	3F	72	ARG	CG-CD	5.70	1.69	1.52
2	4B	72	ARG	CG-CD	5.70	1.69	1.52
2	4N	72	ARG	CG-CD	5.70	1.69	1.52
2	4V	72	ARG	CG-CD	5.70	1.69	1.52
2	5R	72	ARG	CG-CD	5.70	1.69	1.52
2	6J	72	ARG	CG-CD	5.70	1.69	1.52
2	6R	72	ARG	CG-CD	5.70	1.69	1.52
2	7N	72	ARG	CG-CD	5.70	1.69	1.52
2	1B	36	SER	N-CA	-5.70	1.38	1.46
2	1J	36	SER	N-CA	-5.70	1.38	1.46
2	1N	72	ARG	CG-CD	5.70	1.69	1.52
2	2F	36	SER	N-CA	-5.70	1.38	1.46
2	2J	72	ARG	CG-CD	5.70	1.69	1.52
2	27	36	SER	N-CA	-5.70	1.38	1.46
2	3B	72	ARG	CG-CD	5.70	1.69	1.52
2	3F	36	SER	N-CA	-5.70	1.38	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3J	72	ARG	CG-CD	5.70	1.69	1.52
2	33	72	ARG	CG-CD	5.70	1.69	1.52
2	4B	36	SER	N-CA	-5.70	1.38	1.46
2	4F	72	ARG	CG-CD	5.70	1.69	1.52
2	4N	36	SER	N-CA	-5.70	1.38	1.46
2	4V	36	SER	N-CA	-5.70	1.38	1.46
2	4Z	72	ARG	CG-CD	5.70	1.69	1.52
2	5R	36	SER	N-CA	-5.70	1.38	1.46
2	5V	72	ARG	CG-CD	5.70	1.69	1.52
2	6J	36	SER	N-CA	-5.70	1.38	1.46
2	6N	72	ARG	CG-CD	5.70	1.69	1.52
2	6R	36	SER	N-CA	-5.70	1.38	1.46
2	6V	72	ARG	CG-CD	5.70	1.69	1.52
2	7F	72	ARG	CG-CD	5.70	1.69	1.52
2	7N	36	SER	N-CA	-5.70	1.38	1.46
2	7R	72	ARG	CG-CD	5.70	1.69	1.52
2	13	36	SER	N-CA	-5.70	1.38	1.46
2	17	36	SER	N-CA	-5.70	1.38	1.46
2	2B	36	SER	N-CA	-5.70	1.38	1.46
2	3R	36	SER	N-CA	-5.70	1.38	1.46
2	3V	36	SER	N-CA	-5.70	1.38	1.46
2	3Z	36	SER	N-CA	-5.70	1.38	1.46
2	5F	36	SER	N-CA	-5.70	1.38	1.46
2	5J	36	SER	N-CA	-5.70	1.38	1.46
2	5N	36	SER	N-CA	-5.70	1.38	1.46
2	63	36	SER	N-CA	-5.70	1.38	1.46
2	67	36	SER	N-CA	-5.70	1.38	1.46
2	7B	36	SER	N-CA	-5.70	1.38	1.46
2	1R	72	ARG	CG-CD	5.69	1.69	1.52
2	1V	72	ARG	CG-CD	5.69	1.69	1.52
2	1Z	72	ARG	CG-CD	5.69	1.69	1.52
2	2R	72	ARG	CG-CD	5.69	1.69	1.52
2	2V	72	ARG	CG-CD	5.69	1.69	1.52
2	2Z	72	ARG	CG-CD	5.69	1.69	1.52
2	43	72	ARG	CG-CD	5.69	1.69	1.52
2	47	72	ARG	CG-CD	5.69	1.69	1.52
2	5B	72	ARG	CG-CD	5.69	1.69	1.52
2	53	72	ARG	CG-CD	5.69	1.69	1.52
2	57	72	ARG	CG-CD	5.69	1.69	1.52
2	6B	72	ARG	CG-CD	5.69	1.69	1.52
2	1B	23	HIS	N-CA	5.69	1.54	1.46
1	1E	50	ARG	CZ-NH1	-5.69	1.24	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1J	23	HIS	N-CA	5.69	1.54	1.46
2	2F	23	HIS	N-CA	5.69	1.54	1.46
1	2M	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	22	50	ARG	CZ-NH1	-5.69	1.24	1.32
2	27	23	HIS	N-CA	5.69	1.54	1.46
2	3F	23	HIS	N-CA	5.69	1.54	1.46
1	3M	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	36	50	ARG	CZ-NH1	-5.69	1.24	1.32
2	4B	23	HIS	N-CA	5.69	1.54	1.46
1	4I	50	ARG	CZ-NH1	-5.69	1.24	1.32
2	4N	23	HIS	N-CA	5.69	1.54	1.46
1	4Q	50	ARG	CZ-NH1	-5.69	1.24	1.32
2	4V	23	HIS	N-CA	5.69	1.54	1.46
2	5R	23	HIS	N-CA	5.69	1.54	1.46
1	5Y	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	6E	50	ARG	CZ-NH1	-5.69	1.24	1.32
2	6J	23	HIS	N-CA	5.69	1.54	1.46
2	6R	23	HIS	N-CA	5.69	1.54	1.46
1	6Y	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	7I	50	ARG	CZ-NH1	-5.69	1.24	1.32
2	7N	23	HIS	N-CA	5.69	1.54	1.46
1	7U	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	1Q	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	1U	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	1Y	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	2Q	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	2U	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	2Y	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	42	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	46	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	5A	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	52	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	56	50	ARG	CZ-NH1	-5.69	1.24	1.32
1	6A	50	ARG	CZ-NH1	-5.69	1.24	1.32
2	13	23	HIS	N-CA	5.69	1.54	1.46
2	17	23	HIS	N-CA	5.69	1.54	1.46
2	2B	23	HIS	N-CA	5.69	1.54	1.46
2	3R	23	HIS	N-CA	5.69	1.54	1.46
2	3V	23	HIS	N-CA	5.69	1.54	1.46
2	3Z	23	HIS	N-CA	5.69	1.54	1.46
2	5F	23	HIS	N-CA	5.69	1.54	1.46
2	5J	23	HIS	N-CA	5.69	1.54	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	23	HIS	N-CA	5.69	1.54	1.46
2	63	23	HIS	N-CA	5.69	1.54	1.46
2	67	23	HIS	N-CA	5.69	1.54	1.46
2	7B	23	HIS	N-CA	5.69	1.54	1.46
1	1E	17	THR	C-O	-5.67	1.17	1.24
1	1Q	17	THR	C-O	-5.67	1.17	1.24
1	1U	17	THR	C-O	-5.67	1.17	1.24
1	1Y	17	THR	C-O	-5.67	1.17	1.24
1	12	17	THR	C-O	-5.67	1.17	1.24
1	16	17	THR	C-O	-5.67	1.17	1.24
1	2A	17	THR	C-O	-5.67	1.17	1.24
1	2M	17	THR	C-O	-5.67	1.17	1.24
1	2Q	17	THR	C-O	-5.67	1.17	1.24
1	2U	17	THR	C-O	-5.67	1.17	1.24
1	2Y	17	THR	C-O	-5.67	1.17	1.24
1	22	17	THR	C-O	-5.67	1.17	1.24
1	3M	17	THR	C-O	-5.67	1.17	1.24
1	3Q	17	THR	C-O	-5.67	1.17	1.24
1	3U	17	THR	C-O	-5.67	1.17	1.24
1	3Y	17	THR	C-O	-5.67	1.17	1.24
1	36	17	THR	C-O	-5.67	1.17	1.24
1	4I	17	THR	C-O	-5.67	1.17	1.24
1	4Q	17	THR	C-O	-5.67	1.17	1.24
1	42	17	THR	C-O	-5.67	1.17	1.24
1	46	17	THR	C-O	-5.67	1.17	1.24
1	5A	17	THR	C-O	-5.67	1.17	1.24
1	5E	17	THR	C-O	-5.67	1.17	1.24
1	5I	17	THR	C-O	-5.67	1.17	1.24
1	5M	17	THR	C-O	-5.67	1.17	1.24
1	5Y	17	THR	C-O	-5.67	1.17	1.24
1	52	17	THR	C-O	-5.67	1.17	1.24
1	56	17	THR	C-O	-5.67	1.17	1.24
1	6A	17	THR	C-O	-5.67	1.17	1.24
1	6E	17	THR	C-O	-5.67	1.17	1.24
1	6Y	17	THR	C-O	-5.67	1.17	1.24
1	62	17	THR	C-O	-5.67	1.17	1.24
1	66	17	THR	C-O	-5.67	1.17	1.24
1	7A	17	THR	C-O	-5.67	1.17	1.24
1	7I	17	THR	C-O	-5.67	1.17	1.24
1	7U	17	THR	C-O	-5.67	1.17	1.24
2	1F	23	HIS	N-CA	5.67	1.54	1.46
1	1M	17	THR	C-O	-5.67	1.17	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1R	36	SER	CA-C	-5.67	1.45	1.52
2	1V	36	SER	CA-C	-5.67	1.45	1.52
2	1Z	36	SER	CA-C	-5.67	1.45	1.52
1	2I	17	THR	C-O	-5.67	1.17	1.24
2	2N	23	HIS	N-CA	5.67	1.54	1.46
2	2R	36	SER	CA-C	-5.67	1.45	1.52
2	2V	36	SER	CA-C	-5.67	1.45	1.52
2	2Z	36	SER	CA-C	-5.67	1.45	1.52
2	23	23	HIS	N-CA	5.67	1.54	1.46
1	3A	17	THR	C-O	-5.67	1.17	1.24
1	3I	17	THR	C-O	-5.67	1.17	1.24
2	3N	23	HIS	N-CA	5.67	1.54	1.46
1	32	17	THR	C-O	-5.67	1.17	1.24
2	37	23	HIS	N-CA	5.67	1.54	1.46
1	4E	17	THR	C-O	-5.67	1.17	1.24
2	4J	23	HIS	N-CA	5.67	1.54	1.46
2	4R	23	HIS	N-CA	5.67	1.54	1.46
1	4Y	17	THR	C-O	-5.67	1.17	1.24
2	43	36	SER	CA-C	-5.67	1.45	1.52
2	47	36	SER	CA-C	-5.67	1.45	1.52
2	5B	36	SER	CA-C	-5.67	1.45	1.52
1	5U	17	THR	C-O	-5.67	1.17	1.24
2	5Z	23	HIS	N-CA	5.67	1.54	1.46
2	53	36	SER	CA-C	-5.67	1.45	1.52
2	57	36	SER	CA-C	-5.67	1.45	1.52
2	6B	36	SER	CA-C	-5.67	1.45	1.52
2	6F	23	HIS	N-CA	5.67	1.54	1.46
1	6M	17	THR	C-O	-5.67	1.17	1.24
1	6U	17	THR	C-O	-5.67	1.17	1.24
2	6Z	23	HIS	N-CA	5.67	1.54	1.46
1	7E	17	THR	C-O	-5.67	1.17	1.24
2	7J	23	HIS	N-CA	5.67	1.54	1.46
1	7Q	17	THR	C-O	-5.67	1.17	1.24
2	7V	23	HIS	N-CA	5.67	1.54	1.46
1	1A	50	ARG	CZ-NH1	-5.67	1.24	1.32
1	1I	50	ARG	CZ-NH1	-5.67	1.24	1.32
1	2E	50	ARG	CZ-NH1	-5.67	1.24	1.32
1	26	50	ARG	CZ-NH1	-5.67	1.24	1.32
1	3E	50	ARG	CZ-NH1	-5.67	1.24	1.32
1	4A	50	ARG	CZ-NH1	-5.67	1.24	1.32
1	4M	50	ARG	CZ-NH1	-5.67	1.24	1.32
1	4U	50	ARG	CZ-NH1	-5.67	1.24	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5Q	50	ARG	CZ-NH1	-5.67	1.24	1.32
1	6I	50	ARG	CZ-NH1	-5.67	1.24	1.32
1	6Q	50	ARG	CZ-NH1	-5.67	1.24	1.32
1	7M	50	ARG	CZ-NH1	-5.67	1.24	1.32
1	1A	17	THR	C-O	-5.66	1.17	1.24
1	1A	66	ARG	CZ-NH2	5.66	1.40	1.33
1	1I	17	THR	C-O	-5.66	1.17	1.24
1	1I	66	ARG	CZ-NH2	5.66	1.40	1.33
1	2E	17	THR	C-O	-5.66	1.17	1.24
1	2E	66	ARG	CZ-NH2	5.66	1.40	1.33
1	26	17	THR	C-O	-5.66	1.17	1.24
1	26	66	ARG	CZ-NH2	5.66	1.40	1.33
1	3E	17	THR	C-O	-5.66	1.17	1.24
1	3E	66	ARG	CZ-NH2	5.66	1.40	1.33
1	4A	17	THR	C-O	-5.66	1.17	1.24
1	4A	66	ARG	CZ-NH2	5.66	1.40	1.33
1	4M	17	THR	C-O	-5.66	1.17	1.24
1	4M	66	ARG	CZ-NH2	5.66	1.40	1.33
1	4U	17	THR	C-O	-5.66	1.17	1.24
1	4U	66	ARG	CZ-NH2	5.66	1.40	1.33
1	5Q	17	THR	C-O	-5.66	1.17	1.24
1	5Q	66	ARG	CZ-NH2	5.66	1.40	1.33
1	6I	17	THR	C-O	-5.66	1.17	1.24
1	6I	66	ARG	CZ-NH2	5.66	1.40	1.33
1	6Q	17	THR	C-O	-5.66	1.17	1.24
1	6Q	66	ARG	CZ-NH2	5.66	1.40	1.33
1	7M	17	THR	C-O	-5.66	1.17	1.24
1	7M	66	ARG	CZ-NH2	5.66	1.40	1.33
2	1N	28	THR	CB-OG1	-5.66	1.34	1.43
2	1N	36	SER	CA-C	-5.66	1.45	1.52
1	1Q	66	ARG	CZ-NH2	5.66	1.40	1.33
1	1U	66	ARG	CZ-NH2	5.66	1.40	1.33
1	1Y	66	ARG	CZ-NH2	5.66	1.40	1.33
2	2J	28	THR	CB-OG1	-5.66	1.34	1.43
2	2J	36	SER	CA-C	-5.66	1.45	1.52
1	2Q	66	ARG	CZ-NH2	5.66	1.40	1.33
1	2U	66	ARG	CZ-NH2	5.66	1.40	1.33
1	2Y	66	ARG	CZ-NH2	5.66	1.40	1.33
2	3B	28	THR	CB-OG1	-5.66	1.34	1.43
2	3B	36	SER	CA-C	-5.66	1.45	1.52
2	3J	28	THR	CB-OG1	-5.66	1.34	1.43
2	3J	36	SER	CA-C	-5.66	1.45	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	33	28	THR	CB-OG1	-5.66	1.34	1.43
2	33	36	SER	CA-C	-5.66	1.45	1.52
2	4F	28	THR	CB-OG1	-5.66	1.34	1.43
2	4F	36	SER	CA-C	-5.66	1.45	1.52
2	4Z	28	THR	CB-OG1	-5.66	1.34	1.43
2	4Z	36	SER	CA-C	-5.66	1.45	1.52
1	42	66	ARG	CZ-NH2	5.66	1.40	1.33
1	46	66	ARG	CZ-NH2	5.66	1.40	1.33
1	5A	66	ARG	CZ-NH2	5.66	1.40	1.33
2	5V	28	THR	CB-OG1	-5.66	1.34	1.43
2	5V	36	SER	CA-C	-5.66	1.45	1.52
1	52	66	ARG	CZ-NH2	5.66	1.40	1.33
1	56	66	ARG	CZ-NH2	5.66	1.40	1.33
1	6A	66	ARG	CZ-NH2	5.66	1.40	1.33
2	6N	28	THR	CB-OG1	-5.66	1.34	1.43
2	6N	36	SER	CA-C	-5.66	1.45	1.52
2	6V	28	THR	CB-OG1	-5.66	1.34	1.43
2	6V	36	SER	CA-C	-5.66	1.45	1.52
2	7F	28	THR	CB-OG1	-5.66	1.34	1.43
2	7F	36	SER	CA-C	-5.66	1.45	1.52
2	7R	28	THR	CB-OG1	-5.66	1.34	1.43
2	7R	36	SER	CA-C	-5.66	1.45	1.52
1	1E	66	ARG	CZ-NH2	5.65	1.40	1.33
1	2M	66	ARG	CZ-NH2	5.65	1.40	1.33
1	22	66	ARG	CZ-NH2	5.65	1.40	1.33
1	3M	66	ARG	CZ-NH2	5.65	1.40	1.33
1	36	66	ARG	CZ-NH2	5.65	1.40	1.33
1	4I	66	ARG	CZ-NH2	5.65	1.40	1.33
1	4Q	66	ARG	CZ-NH2	5.65	1.40	1.33
1	5Y	66	ARG	CZ-NH2	5.65	1.40	1.33
1	6E	66	ARG	CZ-NH2	5.65	1.40	1.33
1	6Y	66	ARG	CZ-NH2	5.65	1.40	1.33
1	7I	66	ARG	CZ-NH2	5.65	1.40	1.33
1	7U	66	ARG	CZ-NH2	5.65	1.40	1.33
2	1B	36	SER	CA-C	-5.64	1.45	1.52
2	1F	28	THR	CB-OG1	-5.64	1.34	1.43
2	1J	36	SER	CA-C	-5.64	1.45	1.52
2	2F	36	SER	CA-C	-5.64	1.45	1.52
2	2N	28	THR	CB-OG1	-5.64	1.34	1.43
2	23	28	THR	CB-OG1	-5.64	1.34	1.43
2	27	36	SER	CA-C	-5.64	1.45	1.52
2	3F	36	SER	CA-C	-5.64	1.45	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3N	28	THR	CB-OG1	-5.64	1.34	1.43
2	37	28	THR	CB-OG1	-5.64	1.34	1.43
2	4B	36	SER	CA-C	-5.64	1.45	1.52
2	4J	28	THR	CB-OG1	-5.64	1.34	1.43
2	4N	36	SER	CA-C	-5.64	1.45	1.52
2	4R	28	THR	CB-OG1	-5.64	1.34	1.43
2	4V	36	SER	CA-C	-5.64	1.45	1.52
2	5R	36	SER	CA-C	-5.64	1.45	1.52
2	5Z	28	THR	CB-OG1	-5.64	1.34	1.43
2	6F	28	THR	CB-OG1	-5.64	1.34	1.43
2	6J	36	SER	CA-C	-5.64	1.45	1.52
2	6R	36	SER	CA-C	-5.64	1.45	1.52
2	6Z	28	THR	CB-OG1	-5.64	1.34	1.43
2	7J	28	THR	CB-OG1	-5.64	1.34	1.43
2	7N	36	SER	CA-C	-5.64	1.45	1.52
2	7V	28	THR	CB-OG1	-5.64	1.34	1.43
1	1M	66	ARG	CZ-NH2	5.63	1.40	1.33
1	2I	66	ARG	CZ-NH2	5.63	1.40	1.33
1	3A	66	ARG	CZ-NH2	5.63	1.40	1.33
1	3I	66	ARG	CZ-NH2	5.63	1.40	1.33
1	32	66	ARG	CZ-NH2	5.63	1.40	1.33
1	4E	66	ARG	CZ-NH2	5.63	1.40	1.33
1	4Y	66	ARG	CZ-NH2	5.63	1.40	1.33
1	5U	66	ARG	CZ-NH2	5.63	1.40	1.33
1	6M	66	ARG	CZ-NH2	5.63	1.40	1.33
1	6U	66	ARG	CZ-NH2	5.63	1.40	1.33
1	7E	66	ARG	CZ-NH2	5.63	1.40	1.33
1	7Q	66	ARG	CZ-NH2	5.63	1.40	1.33
1	1A	27	LYS	CA-C	-5.63	1.44	1.52
1	1I	27	LYS	CA-C	-5.63	1.44	1.52
1	2E	27	LYS	CA-C	-5.63	1.44	1.52
1	26	27	LYS	CA-C	-5.63	1.44	1.52
1	3E	27	LYS	CA-C	-5.63	1.44	1.52
1	4A	27	LYS	CA-C	-5.63	1.44	1.52
1	4M	27	LYS	CA-C	-5.63	1.44	1.52
1	4U	27	LYS	CA-C	-5.63	1.44	1.52
1	5Q	27	LYS	CA-C	-5.63	1.44	1.52
1	6I	27	LYS	CA-C	-5.63	1.44	1.52
1	6Q	27	LYS	CA-C	-5.63	1.44	1.52
1	7M	27	LYS	CA-C	-5.63	1.44	1.52
2	1R	226	ILE	CA-C	5.63	1.59	1.52
2	1V	226	ILE	CA-C	5.63	1.59	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	226	ILE	CA-C	5.63	1.59	1.52
2	2R	226	ILE	CA-C	5.63	1.59	1.52
2	2V	226	ILE	CA-C	5.63	1.59	1.52
2	2Z	226	ILE	CA-C	5.63	1.59	1.52
2	43	226	ILE	CA-C	5.63	1.59	1.52
2	47	226	ILE	CA-C	5.63	1.59	1.52
2	5B	226	ILE	CA-C	5.63	1.59	1.52
2	53	226	ILE	CA-C	5.63	1.59	1.52
2	57	226	ILE	CA-C	5.63	1.59	1.52
2	6B	226	ILE	CA-C	5.63	1.59	1.52
2	1B	226	ILE	CA-C	5.62	1.59	1.52
1	1E	19	SER	CB-OG	-5.62	1.30	1.42
2	1J	226	ILE	CA-C	5.62	1.59	1.52
1	1Q	27	LYS	CA-C	-5.62	1.44	1.52
1	1U	27	LYS	CA-C	-5.62	1.44	1.52
1	1Y	27	LYS	CA-C	-5.62	1.44	1.52
1	12	66	ARG	CZ-NH2	5.62	1.40	1.33
2	13	53	LYS	CG-CD	5.62	1.69	1.52
1	16	66	ARG	CZ-NH2	5.62	1.40	1.33
2	17	53	LYS	CG-CD	5.62	1.69	1.52
1	2A	66	ARG	CZ-NH2	5.62	1.40	1.33
2	2B	53	LYS	CG-CD	5.62	1.69	1.52
2	2F	226	ILE	CA-C	5.62	1.59	1.52
1	2M	19	SER	CB-OG	-5.62	1.30	1.42
1	2Q	27	LYS	CA-C	-5.62	1.44	1.52
1	2U	27	LYS	CA-C	-5.62	1.44	1.52
1	2Y	27	LYS	CA-C	-5.62	1.44	1.52
1	22	19	SER	CB-OG	-5.62	1.30	1.42
2	27	226	ILE	CA-C	5.62	1.59	1.52
2	3F	226	ILE	CA-C	5.62	1.59	1.52
1	3M	19	SER	CB-OG	-5.62	1.30	1.42
1	3Q	66	ARG	CZ-NH2	5.62	1.40	1.33
2	3R	53	LYS	CG-CD	5.62	1.69	1.52
1	3U	66	ARG	CZ-NH2	5.62	1.40	1.33
2	3V	53	LYS	CG-CD	5.62	1.69	1.52
1	3Y	66	ARG	CZ-NH2	5.62	1.40	1.33
2	3Z	53	LYS	CG-CD	5.62	1.69	1.52
1	36	19	SER	CB-OG	-5.62	1.30	1.42
2	4B	226	ILE	CA-C	5.62	1.59	1.52
1	4I	19	SER	CB-OG	-5.62	1.30	1.42
2	4N	226	ILE	CA-C	5.62	1.59	1.52
1	4Q	19	SER	CB-OG	-5.62	1.30	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	4V	226	ILE	CA-C	5.62	1.59	1.52
1	42	27	LYS	CA-C	-5.62	1.44	1.52
1	46	27	LYS	CA-C	-5.62	1.44	1.52
1	5A	27	LYS	CA-C	-5.62	1.44	1.52
1	5E	66	ARG	CZ-NH2	5.62	1.40	1.33
2	5F	53	LYS	CG-CD	5.62	1.69	1.52
1	5I	66	ARG	CZ-NH2	5.62	1.40	1.33
2	5J	53	LYS	CG-CD	5.62	1.69	1.52
1	5M	66	ARG	CZ-NH2	5.62	1.40	1.33
2	5N	53	LYS	CG-CD	5.62	1.69	1.52
2	5R	226	ILE	CA-C	5.62	1.59	1.52
1	5Y	19	SER	CB-OG	-5.62	1.30	1.42
1	52	27	LYS	CA-C	-5.62	1.44	1.52
1	56	27	LYS	CA-C	-5.62	1.44	1.52
1	6A	27	LYS	CA-C	-5.62	1.44	1.52
1	6E	19	SER	CB-OG	-5.62	1.30	1.42
2	6J	226	ILE	CA-C	5.62	1.59	1.52
2	6R	226	ILE	CA-C	5.62	1.59	1.52
1	6Y	19	SER	CB-OG	-5.62	1.30	1.42
1	62	66	ARG	CZ-NH2	5.62	1.40	1.33
2	63	53	LYS	CG-CD	5.62	1.69	1.52
1	66	66	ARG	CZ-NH2	5.62	1.40	1.33
2	67	53	LYS	CG-CD	5.62	1.69	1.52
1	7A	66	ARG	CZ-NH2	5.62	1.40	1.33
2	7B	53	LYS	CG-CD	5.62	1.69	1.52
1	7I	19	SER	CB-OG	-5.62	1.30	1.42
2	7N	226	ILE	CA-C	5.62	1.59	1.52
1	7U	19	SER	CB-OG	-5.62	1.30	1.42
2	1F	36	SER	CA-C	-5.62	1.45	1.52
2	1R	53	LYS	CG-CD	5.62	1.69	1.52
2	1V	53	LYS	CG-CD	5.62	1.69	1.52
2	1Z	53	LYS	CG-CD	5.62	1.69	1.52
2	2N	36	SER	CA-C	-5.62	1.45	1.52
2	2R	53	LYS	CG-CD	5.62	1.69	1.52
2	2V	53	LYS	CG-CD	5.62	1.69	1.52
2	2Z	53	LYS	CG-CD	5.62	1.69	1.52
2	23	36	SER	CA-C	-5.62	1.45	1.52
2	3N	36	SER	CA-C	-5.62	1.45	1.52
2	37	36	SER	CA-C	-5.62	1.45	1.52
2	4J	36	SER	CA-C	-5.62	1.45	1.52
2	4R	36	SER	CA-C	-5.62	1.45	1.52
2	43	53	LYS	CG-CD	5.62	1.69	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	53	LYS	CG-CD	5.62	1.69	1.52
2	5B	53	LYS	CG-CD	5.62	1.69	1.52
2	5Z	36	SER	CA-C	-5.62	1.45	1.52
2	53	53	LYS	CG-CD	5.62	1.69	1.52
2	57	53	LYS	CG-CD	5.62	1.69	1.52
2	6B	53	LYS	CG-CD	5.62	1.69	1.52
2	6F	36	SER	CA-C	-5.62	1.45	1.52
2	6Z	36	SER	CA-C	-5.62	1.45	1.52
2	7J	36	SER	CA-C	-5.62	1.45	1.52
2	7V	36	SER	CA-C	-5.62	1.45	1.52
1	12	79	THR	C-O	-5.62	1.17	1.24
1	16	79	THR	C-O	-5.62	1.17	1.24
1	2A	79	THR	C-O	-5.62	1.17	1.24
1	3Q	79	THR	C-O	-5.62	1.17	1.24
1	3U	79	THR	C-O	-5.62	1.17	1.24
1	3Y	79	THR	C-O	-5.62	1.17	1.24
1	5E	79	THR	C-O	-5.62	1.17	1.24
1	5I	79	THR	C-O	-5.62	1.17	1.24
1	5M	79	THR	C-O	-5.62	1.17	1.24
1	62	79	THR	C-O	-5.62	1.17	1.24
1	66	79	THR	C-O	-5.62	1.17	1.24
1	7A	79	THR	C-O	-5.62	1.17	1.24
2	1B	28	THR	CB-OG1	-5.62	1.34	1.43
2	1J	28	THR	CB-OG1	-5.62	1.34	1.43
2	2F	28	THR	CB-OG1	-5.62	1.34	1.43
2	27	28	THR	CB-OG1	-5.62	1.34	1.43
2	3F	28	THR	CB-OG1	-5.62	1.34	1.43
2	4B	28	THR	CB-OG1	-5.62	1.34	1.43
2	4N	28	THR	CB-OG1	-5.62	1.34	1.43
2	4V	28	THR	CB-OG1	-5.62	1.34	1.43
2	5R	28	THR	CB-OG1	-5.62	1.34	1.43
2	6J	28	THR	CB-OG1	-5.62	1.34	1.43
2	6R	28	THR	CB-OG1	-5.62	1.34	1.43
2	7N	28	THR	CB-OG1	-5.62	1.34	1.43
2	1F	53	LYS	CG-CD	5.61	1.69	1.52
2	2N	53	LYS	CG-CD	5.61	1.69	1.52
2	23	53	LYS	CG-CD	5.61	1.69	1.52
2	3N	53	LYS	CG-CD	5.61	1.69	1.52
2	37	53	LYS	CG-CD	5.61	1.69	1.52
2	4J	53	LYS	CG-CD	5.61	1.69	1.52
2	4R	53	LYS	CG-CD	5.61	1.69	1.52
2	5Z	53	LYS	CG-CD	5.61	1.69	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	53	LYS	CG-CD	5.61	1.69	1.52
2	6Z	53	LYS	CG-CD	5.61	1.69	1.52
2	7J	53	LYS	CG-CD	5.61	1.69	1.52
2	7V	53	LYS	CG-CD	5.61	1.69	1.52
1	1E	27	LYS	CA-C	-5.61	1.44	1.52
1	2M	27	LYS	CA-C	-5.61	1.44	1.52
1	22	27	LYS	CA-C	-5.61	1.44	1.52
1	3M	27	LYS	CA-C	-5.61	1.44	1.52
1	36	27	LYS	CA-C	-5.61	1.44	1.52
1	4I	27	LYS	CA-C	-5.61	1.44	1.52
1	4Q	27	LYS	CA-C	-5.61	1.44	1.52
1	5Y	27	LYS	CA-C	-5.61	1.44	1.52
1	6E	27	LYS	CA-C	-5.61	1.44	1.52
1	6Y	27	LYS	CA-C	-5.61	1.44	1.52
1	7I	27	LYS	CA-C	-5.61	1.44	1.52
1	7U	27	LYS	CA-C	-5.61	1.44	1.52
1	1A	79	THR	C-O	-5.61	1.17	1.24
2	1B	53	LYS	CG-CD	5.61	1.69	1.52
1	1I	79	THR	C-O	-5.61	1.17	1.24
2	1J	53	LYS	CG-CD	5.61	1.69	1.52
1	12	52	PHE	C-O	-5.61	1.17	1.24
1	16	52	PHE	C-O	-5.61	1.17	1.24
1	2A	52	PHE	C-O	-5.61	1.17	1.24
1	2E	79	THR	C-O	-5.61	1.17	1.24
2	2F	53	LYS	CG-CD	5.61	1.69	1.52
1	26	79	THR	C-O	-5.61	1.17	1.24
2	27	53	LYS	CG-CD	5.61	1.69	1.52
1	3E	79	THR	C-O	-5.61	1.17	1.24
2	3F	53	LYS	CG-CD	5.61	1.69	1.52
1	3Q	52	PHE	C-O	-5.61	1.17	1.24
1	3U	52	PHE	C-O	-5.61	1.17	1.24
1	3Y	52	PHE	C-O	-5.61	1.17	1.24
1	4A	79	THR	C-O	-5.61	1.17	1.24
2	4B	53	LYS	CG-CD	5.61	1.69	1.52
1	4M	79	THR	C-O	-5.61	1.17	1.24
2	4N	53	LYS	CG-CD	5.61	1.69	1.52
1	4U	79	THR	C-O	-5.61	1.17	1.24
2	4V	53	LYS	CG-CD	5.61	1.69	1.52
1	5E	52	PHE	C-O	-5.61	1.17	1.24
1	5I	52	PHE	C-O	-5.61	1.17	1.24
1	5M	52	PHE	C-O	-5.61	1.17	1.24
1	5Q	79	THR	C-O	-5.61	1.17	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	53	LYS	CG-CD	5.61	1.69	1.52
1	6I	79	THR	C-O	-5.61	1.17	1.24
2	6J	53	LYS	CG-CD	5.61	1.69	1.52
1	6Q	79	THR	C-O	-5.61	1.17	1.24
2	6R	53	LYS	CG-CD	5.61	1.69	1.52
1	62	52	PHE	C-O	-5.61	1.17	1.24
1	66	52	PHE	C-O	-5.61	1.17	1.24
1	7A	52	PHE	C-O	-5.61	1.17	1.24
1	7M	79	THR	C-O	-5.61	1.17	1.24
2	7N	53	LYS	CG-CD	5.61	1.69	1.52
1	1Q	19	SER	CB-OG	-5.60	1.30	1.42
1	1U	19	SER	CB-OG	-5.60	1.30	1.42
1	1Y	19	SER	CB-OG	-5.60	1.30	1.42
1	12	27	LYS	CA-C	-5.60	1.44	1.52
1	16	27	LYS	CA-C	-5.60	1.44	1.52
1	2A	27	LYS	CA-C	-5.60	1.44	1.52
1	2Q	19	SER	CB-OG	-5.60	1.30	1.42
1	2U	19	SER	CB-OG	-5.60	1.30	1.42
1	2Y	19	SER	CB-OG	-5.60	1.30	1.42
1	3Q	27	LYS	CA-C	-5.60	1.44	1.52
1	3U	27	LYS	CA-C	-5.60	1.44	1.52
1	3Y	27	LYS	CA-C	-5.60	1.44	1.52
1	42	19	SER	CB-OG	-5.60	1.30	1.42
1	46	19	SER	CB-OG	-5.60	1.30	1.42
1	5A	19	SER	CB-OG	-5.60	1.30	1.42
1	5E	27	LYS	CA-C	-5.60	1.44	1.52
1	5I	27	LYS	CA-C	-5.60	1.44	1.52
1	5M	27	LYS	CA-C	-5.60	1.44	1.52
1	52	19	SER	CB-OG	-5.60	1.30	1.42
1	56	19	SER	CB-OG	-5.60	1.30	1.42
1	6A	19	SER	CB-OG	-5.60	1.30	1.42
1	62	27	LYS	CA-C	-5.60	1.44	1.52
1	66	27	LYS	CA-C	-5.60	1.44	1.52
1	7A	27	LYS	CA-C	-5.60	1.44	1.52
2	1N	53	LYS	CG-CD	5.60	1.69	1.52
2	2J	53	LYS	CG-CD	5.60	1.69	1.52
2	3B	53	LYS	CG-CD	5.60	1.69	1.52
2	3J	53	LYS	CG-CD	5.60	1.69	1.52
2	33	53	LYS	CG-CD	5.60	1.69	1.52
2	4F	53	LYS	CG-CD	5.60	1.69	1.52
2	4Z	53	LYS	CG-CD	5.60	1.69	1.52
2	5V	53	LYS	CG-CD	5.60	1.69	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	53	LYS	CG-CD	5.60	1.69	1.52
2	6V	53	LYS	CG-CD	5.60	1.69	1.52
2	7F	53	LYS	CG-CD	5.60	1.69	1.52
2	7R	53	LYS	CG-CD	5.60	1.69	1.52
2	13	28	THR	CB-OG1	-5.60	1.34	1.43
2	17	28	THR	CB-OG1	-5.60	1.34	1.43
2	2B	28	THR	CB-OG1	-5.60	1.34	1.43
2	3R	28	THR	CB-OG1	-5.60	1.34	1.43
2	3V	28	THR	CB-OG1	-5.60	1.34	1.43
2	3Z	28	THR	CB-OG1	-5.60	1.34	1.43
2	5F	28	THR	CB-OG1	-5.60	1.34	1.43
2	5J	28	THR	CB-OG1	-5.60	1.34	1.43
2	5N	28	THR	CB-OG1	-5.60	1.34	1.43
2	63	28	THR	CB-OG1	-5.60	1.34	1.43
2	67	28	THR	CB-OG1	-5.60	1.34	1.43
2	7B	28	THR	CB-OG1	-5.60	1.34	1.43
2	13	226	ILE	CA-C	5.60	1.59	1.52
2	17	226	ILE	CA-C	5.60	1.59	1.52
2	2B	226	ILE	CA-C	5.60	1.59	1.52
2	3R	226	ILE	CA-C	5.60	1.59	1.52
2	3V	226	ILE	CA-C	5.60	1.59	1.52
2	3Z	226	ILE	CA-C	5.60	1.59	1.52
2	5F	226	ILE	CA-C	5.60	1.59	1.52
2	5J	226	ILE	CA-C	5.60	1.59	1.52
2	5N	226	ILE	CA-C	5.60	1.59	1.52
2	63	226	ILE	CA-C	5.60	1.59	1.52
2	67	226	ILE	CA-C	5.60	1.59	1.52
2	7B	226	ILE	CA-C	5.60	1.59	1.52
1	1M	91	PRO	CA-C	5.59	1.58	1.52
2	13	36	SER	CA-C	-5.59	1.45	1.52
2	17	36	SER	CA-C	-5.59	1.45	1.52
2	2B	36	SER	CA-C	-5.59	1.45	1.52
1	2I	91	PRO	CA-C	5.59	1.58	1.52
1	3A	91	PRO	CA-C	5.59	1.58	1.52
1	3I	91	PRO	CA-C	5.59	1.58	1.52
2	3R	36	SER	CA-C	-5.59	1.45	1.52
2	3V	36	SER	CA-C	-5.59	1.45	1.52
2	3Z	36	SER	CA-C	-5.59	1.45	1.52
1	32	91	PRO	CA-C	5.59	1.58	1.52
1	4E	91	PRO	CA-C	5.59	1.58	1.52
1	4Y	91	PRO	CA-C	5.59	1.58	1.52
2	5F	36	SER	CA-C	-5.59	1.45	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5J	36	SER	CA-C	-5.59	1.45	1.52
2	5N	36	SER	CA-C	-5.59	1.45	1.52
1	5U	91	PRO	CA-C	5.59	1.58	1.52
1	6M	91	PRO	CA-C	5.59	1.58	1.52
1	6U	91	PRO	CA-C	5.59	1.58	1.52
2	63	36	SER	CA-C	-5.59	1.45	1.52
2	67	36	SER	CA-C	-5.59	1.45	1.52
2	7B	36	SER	CA-C	-5.59	1.45	1.52
1	7E	91	PRO	CA-C	5.59	1.58	1.52
1	7Q	91	PRO	CA-C	5.59	1.58	1.52
1	1A	91	PRO	CA-C	5.59	1.58	1.52
1	1I	91	PRO	CA-C	5.59	1.58	1.52
1	2E	91	PRO	CA-C	5.59	1.58	1.52
1	26	91	PRO	CA-C	5.59	1.58	1.52
1	3E	91	PRO	CA-C	5.59	1.58	1.52
1	4A	91	PRO	CA-C	5.59	1.58	1.52
1	4M	91	PRO	CA-C	5.59	1.58	1.52
1	4U	91	PRO	CA-C	5.59	1.58	1.52
1	5Q	91	PRO	CA-C	5.59	1.58	1.52
1	6I	91	PRO	CA-C	5.59	1.58	1.52
1	6Q	91	PRO	CA-C	5.59	1.58	1.52
1	7M	91	PRO	CA-C	5.59	1.58	1.52
1	1A	19	SER	CB-OG	-5.59	1.30	1.42
1	1I	19	SER	CB-OG	-5.59	1.30	1.42
1	2E	19	SER	CB-OG	-5.59	1.30	1.42
1	26	19	SER	CB-OG	-5.59	1.30	1.42
1	3E	19	SER	CB-OG	-5.59	1.30	1.42
1	4A	19	SER	CB-OG	-5.59	1.30	1.42
1	4M	19	SER	CB-OG	-5.59	1.30	1.42
1	4U	19	SER	CB-OG	-5.59	1.30	1.42
1	5Q	19	SER	CB-OG	-5.59	1.30	1.42
1	6I	19	SER	CB-OG	-5.59	1.30	1.42
1	6Q	19	SER	CB-OG	-5.59	1.30	1.42
1	7M	19	SER	CB-OG	-5.59	1.30	1.42
1	1E	91	PRO	CA-C	5.59	1.58	1.52
1	1Q	79	THR	C-O	-5.59	1.17	1.24
1	1U	79	THR	C-O	-5.59	1.17	1.24
1	1Y	79	THR	C-O	-5.59	1.17	1.24
1	2M	91	PRO	CA-C	5.59	1.58	1.52
1	2Q	79	THR	C-O	-5.59	1.17	1.24
1	2U	79	THR	C-O	-5.59	1.17	1.24
1	2Y	79	THR	C-O	-5.59	1.17	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	91	PRO	CA-C	5.59	1.58	1.52
1	3M	91	PRO	CA-C	5.59	1.58	1.52
1	36	91	PRO	CA-C	5.59	1.58	1.52
1	4I	91	PRO	CA-C	5.59	1.58	1.52
1	4Q	91	PRO	CA-C	5.59	1.58	1.52
1	42	79	THR	C-O	-5.59	1.17	1.24
1	46	79	THR	C-O	-5.59	1.17	1.24
1	5A	79	THR	C-O	-5.59	1.17	1.24
1	5Y	91	PRO	CA-C	5.59	1.58	1.52
1	52	79	THR	C-O	-5.59	1.17	1.24
1	56	79	THR	C-O	-5.59	1.17	1.24
1	6A	79	THR	C-O	-5.59	1.17	1.24
1	6E	91	PRO	CA-C	5.59	1.58	1.52
1	6Y	91	PRO	CA-C	5.59	1.58	1.52
1	7I	91	PRO	CA-C	5.59	1.58	1.52
1	7U	91	PRO	CA-C	5.59	1.58	1.52
1	1E	50	ARG	C-O	5.58	1.31	1.24
1	1M	27	LYS	CA-C	-5.58	1.44	1.52
1	12	38	PRO	C-N	5.58	1.41	1.33
1	16	38	PRO	C-N	5.58	1.41	1.33
1	2A	38	PRO	C-N	5.58	1.41	1.33
1	2I	27	LYS	CA-C	-5.58	1.44	1.52
1	2M	50	ARG	C-O	5.58	1.31	1.24
1	22	50	ARG	C-O	5.58	1.31	1.24
1	3A	27	LYS	CA-C	-5.58	1.44	1.52
1	3I	27	LYS	CA-C	-5.58	1.44	1.52
1	3M	50	ARG	C-O	5.58	1.31	1.24
1	3Q	38	PRO	C-N	5.58	1.41	1.33
1	3U	38	PRO	C-N	5.58	1.41	1.33
1	3Y	38	PRO	C-N	5.58	1.41	1.33
1	32	27	LYS	CA-C	-5.58	1.44	1.52
1	36	50	ARG	C-O	5.58	1.31	1.24
1	4E	27	LYS	CA-C	-5.58	1.44	1.52
1	4I	50	ARG	C-O	5.58	1.31	1.24
1	4Q	50	ARG	C-O	5.58	1.31	1.24
1	4Y	27	LYS	CA-C	-5.58	1.44	1.52
1	5E	38	PRO	C-N	5.58	1.41	1.33
1	5I	38	PRO	C-N	5.58	1.41	1.33
1	5M	38	PRO	C-N	5.58	1.41	1.33
1	5U	27	LYS	CA-C	-5.58	1.44	1.52
1	5Y	50	ARG	C-O	5.58	1.31	1.24
1	6E	50	ARG	C-O	5.58	1.31	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	27	LYS	CA-C	-5.58	1.44	1.52
1	6U	27	LYS	CA-C	-5.58	1.44	1.52
1	6Y	50	ARG	C-O	5.58	1.31	1.24
1	62	38	PRO	C-N	5.58	1.41	1.33
1	66	38	PRO	C-N	5.58	1.41	1.33
1	7A	38	PRO	C-N	5.58	1.41	1.33
1	7E	27	LYS	CA-C	-5.58	1.44	1.52
1	7I	50	ARG	C-O	5.58	1.31	1.24
1	7Q	27	LYS	CA-C	-5.58	1.44	1.52
1	7U	50	ARG	C-O	5.58	1.31	1.24
1	1Q	91	PRO	CA-C	5.58	1.58	1.52
1	1U	91	PRO	CA-C	5.58	1.58	1.52
1	1Y	91	PRO	CA-C	5.58	1.58	1.52
2	13	70	TRP	CD2-CE3	-5.58	1.31	1.40
2	17	70	TRP	CD2-CE3	-5.58	1.31	1.40
2	2B	70	TRP	CD2-CE3	-5.58	1.31	1.40
1	2Q	91	PRO	CA-C	5.58	1.58	1.52
1	2U	91	PRO	CA-C	5.58	1.58	1.52
1	2Y	91	PRO	CA-C	5.58	1.58	1.52
2	3R	70	TRP	CD2-CE3	-5.58	1.31	1.40
2	3V	70	TRP	CD2-CE3	-5.58	1.31	1.40
2	3Z	70	TRP	CD2-CE3	-5.58	1.31	1.40
1	42	91	PRO	CA-C	5.58	1.58	1.52
1	46	91	PRO	CA-C	5.58	1.58	1.52
1	5A	91	PRO	CA-C	5.58	1.58	1.52
2	5F	70	TRP	CD2-CE3	-5.58	1.31	1.40
2	5J	70	TRP	CD2-CE3	-5.58	1.31	1.40
2	5N	70	TRP	CD2-CE3	-5.58	1.31	1.40
1	52	91	PRO	CA-C	5.58	1.58	1.52
1	56	91	PRO	CA-C	5.58	1.58	1.52
1	6A	91	PRO	CA-C	5.58	1.58	1.52
2	63	70	TRP	CD2-CE3	-5.58	1.31	1.40
2	67	70	TRP	CD2-CE3	-5.58	1.31	1.40
2	7B	70	TRP	CD2-CE3	-5.58	1.31	1.40
2	1B	70	TRP	CD2-CE3	-5.58	1.31	1.40
2	1J	70	TRP	CD2-CE3	-5.58	1.31	1.40
1	1M	79	THR	C-O	-5.58	1.17	1.24
2	2F	70	TRP	CD2-CE3	-5.58	1.31	1.40
1	2I	79	THR	C-O	-5.58	1.17	1.24
2	27	70	TRP	CD2-CE3	-5.58	1.31	1.40
1	3A	79	THR	C-O	-5.58	1.17	1.24
2	3F	70	TRP	CD2-CE3	-5.58	1.31	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3I	79	THR	C-O	-5.58	1.17	1.24
1	32	79	THR	C-O	-5.58	1.17	1.24
2	4B	70	TRP	CD2-CE3	-5.58	1.31	1.40
1	4E	79	THR	C-O	-5.58	1.17	1.24
2	4N	70	TRP	CD2-CE3	-5.58	1.31	1.40
2	4V	70	TRP	CD2-CE3	-5.58	1.31	1.40
1	4Y	79	THR	C-O	-5.58	1.17	1.24
2	5R	70	TRP	CD2-CE3	-5.58	1.31	1.40
1	5U	79	THR	C-O	-5.58	1.17	1.24
2	6J	70	TRP	CD2-CE3	-5.58	1.31	1.40
1	6M	79	THR	C-O	-5.58	1.17	1.24
2	6R	70	TRP	CD2-CE3	-5.58	1.31	1.40
1	6U	79	THR	C-O	-5.58	1.17	1.24
1	7E	79	THR	C-O	-5.58	1.17	1.24
2	7N	70	TRP	CD2-CE3	-5.58	1.31	1.40
1	7Q	79	THR	C-O	-5.58	1.17	1.24
2	1R	40	ASN	CG-ND2	5.58	1.45	1.33
2	1V	40	ASN	CG-ND2	5.58	1.45	1.33
2	1Z	40	ASN	CG-ND2	5.58	1.45	1.33
2	13	40	ASN	CG-ND2	5.58	1.45	1.33
2	17	40	ASN	CG-ND2	5.58	1.45	1.33
2	2B	40	ASN	CG-ND2	5.58	1.45	1.33
2	2R	40	ASN	CG-ND2	5.58	1.45	1.33
2	2V	40	ASN	CG-ND2	5.58	1.45	1.33
2	2Z	40	ASN	CG-ND2	5.58	1.45	1.33
2	3R	40	ASN	CG-ND2	5.58	1.45	1.33
2	3V	40	ASN	CG-ND2	5.58	1.45	1.33
2	3Z	40	ASN	CG-ND2	5.58	1.45	1.33
2	43	40	ASN	CG-ND2	5.58	1.45	1.33
2	47	40	ASN	CG-ND2	5.58	1.45	1.33
2	5B	40	ASN	CG-ND2	5.58	1.45	1.33
2	5F	40	ASN	CG-ND2	5.58	1.45	1.33
2	5J	40	ASN	CG-ND2	5.58	1.45	1.33
2	5N	40	ASN	CG-ND2	5.58	1.45	1.33
2	53	40	ASN	CG-ND2	5.58	1.45	1.33
2	57	40	ASN	CG-ND2	5.58	1.45	1.33
2	6B	40	ASN	CG-ND2	5.58	1.45	1.33
2	63	40	ASN	CG-ND2	5.58	1.45	1.33
2	67	40	ASN	CG-ND2	5.58	1.45	1.33
2	7B	40	ASN	CG-ND2	5.58	1.45	1.33
1	1Q	38	PRO	C-N	5.57	1.41	1.33
1	1U	38	PRO	C-N	5.57	1.41	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	38	PRO	C-N	5.57	1.41	1.33
1	2Q	38	PRO	C-N	5.57	1.41	1.33
1	2U	38	PRO	C-N	5.57	1.41	1.33
1	2Y	38	PRO	C-N	5.57	1.41	1.33
1	42	38	PRO	C-N	5.57	1.41	1.33
1	46	38	PRO	C-N	5.57	1.41	1.33
1	5A	38	PRO	C-N	5.57	1.41	1.33
1	52	38	PRO	C-N	5.57	1.41	1.33
1	56	38	PRO	C-N	5.57	1.41	1.33
1	6A	38	PRO	C-N	5.57	1.41	1.33
1	12	19	SER	CB-OG	-5.57	1.31	1.42
1	16	19	SER	CB-OG	-5.57	1.31	1.42
1	2A	19	SER	CB-OG	-5.57	1.31	1.42
1	3Q	19	SER	CB-OG	-5.57	1.31	1.42
1	3U	19	SER	CB-OG	-5.57	1.31	1.42
1	3Y	19	SER	CB-OG	-5.57	1.31	1.42
1	5E	19	SER	CB-OG	-5.57	1.31	1.42
1	5I	19	SER	CB-OG	-5.57	1.31	1.42
1	5M	19	SER	CB-OG	-5.57	1.31	1.42
1	62	19	SER	CB-OG	-5.57	1.31	1.42
1	66	19	SER	CB-OG	-5.57	1.31	1.42
1	7A	19	SER	CB-OG	-5.57	1.31	1.42
2	1R	28	THR	CB-OG1	-5.57	1.34	1.43
2	1V	28	THR	CB-OG1	-5.57	1.34	1.43
2	1Z	28	THR	CB-OG1	-5.57	1.34	1.43
2	2R	28	THR	CB-OG1	-5.57	1.34	1.43
2	2V	28	THR	CB-OG1	-5.57	1.34	1.43
2	2Z	28	THR	CB-OG1	-5.57	1.34	1.43
2	43	28	THR	CB-OG1	-5.57	1.34	1.43
2	47	28	THR	CB-OG1	-5.57	1.34	1.43
2	5B	28	THR	CB-OG1	-5.57	1.34	1.43
2	53	28	THR	CB-OG1	-5.57	1.34	1.43
2	57	28	THR	CB-OG1	-5.57	1.34	1.43
2	6B	28	THR	CB-OG1	-5.57	1.34	1.43
1	1M	19	SER	CB-OG	-5.57	1.31	1.42
1	2I	19	SER	CB-OG	-5.57	1.31	1.42
1	3A	19	SER	CB-OG	-5.57	1.31	1.42
1	3I	19	SER	CB-OG	-5.57	1.31	1.42
1	32	19	SER	CB-OG	-5.57	1.31	1.42
1	4E	19	SER	CB-OG	-5.57	1.31	1.42
1	4Y	19	SER	CB-OG	-5.57	1.31	1.42
1	5U	19	SER	CB-OG	-5.57	1.31	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6M	19	SER	CB-OG	-5.57	1.31	1.42
1	6U	19	SER	CB-OG	-5.57	1.31	1.42
1	7E	19	SER	CB-OG	-5.57	1.31	1.42
1	7Q	19	SER	CB-OG	-5.57	1.31	1.42
2	1N	40	ASN	CG-ND2	5.56	1.45	1.33
2	2J	40	ASN	CG-ND2	5.56	1.45	1.33
2	3B	40	ASN	CG-ND2	5.56	1.45	1.33
2	3J	40	ASN	CG-ND2	5.56	1.45	1.33
2	33	40	ASN	CG-ND2	5.56	1.45	1.33
2	4F	40	ASN	CG-ND2	5.56	1.45	1.33
2	4Z	40	ASN	CG-ND2	5.56	1.45	1.33
2	5V	40	ASN	CG-ND2	5.56	1.45	1.33
2	6N	40	ASN	CG-ND2	5.56	1.45	1.33
2	6V	40	ASN	CG-ND2	5.56	1.45	1.33
2	7F	40	ASN	CG-ND2	5.56	1.45	1.33
2	7R	40	ASN	CG-ND2	5.56	1.45	1.33
1	1A	52	PHE	C-O	-5.56	1.17	1.24
1	1E	79	THR	C-O	-5.56	1.17	1.24
1	1I	52	PHE	C-O	-5.56	1.17	1.24
1	12	50	ARG	C-O	5.56	1.30	1.24
1	16	50	ARG	C-O	5.56	1.30	1.24
1	2A	50	ARG	C-O	5.56	1.30	1.24
1	2E	52	PHE	C-O	-5.56	1.17	1.24
1	2M	79	THR	C-O	-5.56	1.17	1.24
1	22	79	THR	C-O	-5.56	1.17	1.24
1	26	52	PHE	C-O	-5.56	1.17	1.24
1	3E	52	PHE	C-O	-5.56	1.17	1.24
1	3M	79	THR	C-O	-5.56	1.17	1.24
1	3Q	50	ARG	C-O	5.56	1.30	1.24
1	3U	50	ARG	C-O	5.56	1.30	1.24
1	3Y	50	ARG	C-O	5.56	1.30	1.24
1	36	79	THR	C-O	-5.56	1.17	1.24
1	4A	52	PHE	C-O	-5.56	1.17	1.24
1	4I	79	THR	C-O	-5.56	1.17	1.24
1	4M	52	PHE	C-O	-5.56	1.17	1.24
1	4Q	79	THR	C-O	-5.56	1.17	1.24
1	4U	52	PHE	C-O	-5.56	1.17	1.24
1	5E	50	ARG	C-O	5.56	1.30	1.24
1	5I	50	ARG	C-O	5.56	1.30	1.24
1	5M	50	ARG	C-O	5.56	1.30	1.24
1	5Q	52	PHE	C-O	-5.56	1.17	1.24
1	5Y	79	THR	C-O	-5.56	1.17	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6E	79	THR	C-O	-5.56	1.17	1.24
1	6I	52	PHE	C-O	-5.56	1.17	1.24
1	6Q	52	PHE	C-O	-5.56	1.17	1.24
1	6Y	79	THR	C-O	-5.56	1.17	1.24
1	62	50	ARG	C-O	5.56	1.30	1.24
1	66	50	ARG	C-O	5.56	1.30	1.24
1	7A	50	ARG	C-O	5.56	1.30	1.24
1	7I	79	THR	C-O	-5.56	1.17	1.24
1	7M	52	PHE	C-O	-5.56	1.17	1.24
1	7U	79	THR	C-O	-5.56	1.17	1.24
2	1N	70	TRP	CD2-CE3	-5.56	1.31	1.40
2	2J	70	TRP	CD2-CE3	-5.56	1.31	1.40
2	3B	70	TRP	CD2-CE3	-5.56	1.31	1.40
2	3J	70	TRP	CD2-CE3	-5.56	1.31	1.40
2	33	70	TRP	CD2-CE3	-5.56	1.31	1.40
2	4F	70	TRP	CD2-CE3	-5.56	1.31	1.40
2	4Z	70	TRP	CD2-CE3	-5.56	1.31	1.40
2	5V	70	TRP	CD2-CE3	-5.56	1.31	1.40
2	6N	70	TRP	CD2-CE3	-5.56	1.31	1.40
2	6V	70	TRP	CD2-CE3	-5.56	1.31	1.40
2	7F	70	TRP	CD2-CE3	-5.56	1.31	1.40
2	7R	70	TRP	CD2-CE3	-5.56	1.31	1.40
1	1A	95	THR	CB-OG1	-5.56	1.34	1.43
1	1I	95	THR	CB-OG1	-5.56	1.34	1.43
2	1N	226	ILE	CA-C	5.56	1.59	1.52
1	2E	95	THR	CB-OG1	-5.56	1.34	1.43
2	2J	226	ILE	CA-C	5.56	1.59	1.52
1	26	95	THR	CB-OG1	-5.56	1.34	1.43
2	3B	226	ILE	CA-C	5.56	1.59	1.52
1	3E	95	THR	CB-OG1	-5.56	1.34	1.43
2	3J	226	ILE	CA-C	5.56	1.59	1.52
2	33	226	ILE	CA-C	5.56	1.59	1.52
1	4A	95	THR	CB-OG1	-5.56	1.34	1.43
2	4F	226	ILE	CA-C	5.56	1.59	1.52
1	4M	95	THR	CB-OG1	-5.56	1.34	1.43
1	4U	95	THR	CB-OG1	-5.56	1.34	1.43
2	4Z	226	ILE	CA-C	5.56	1.59	1.52
1	5Q	95	THR	CB-OG1	-5.56	1.34	1.43
2	5V	226	ILE	CA-C	5.56	1.59	1.52
1	6I	95	THR	CB-OG1	-5.56	1.34	1.43
2	6N	226	ILE	CA-C	5.56	1.59	1.52
1	6Q	95	THR	CB-OG1	-5.56	1.34	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6V	226	ILE	CA-C	5.56	1.59	1.52
2	7F	226	ILE	CA-C	5.56	1.59	1.52
1	7M	95	THR	CB-OG1	-5.56	1.34	1.43
2	7R	226	ILE	CA-C	5.56	1.59	1.52
1	1E	52	PHE	C-O	-5.56	1.17	1.24
1	2M	52	PHE	C-O	-5.56	1.17	1.24
1	22	52	PHE	C-O	-5.56	1.17	1.24
1	3M	52	PHE	C-O	-5.56	1.17	1.24
1	36	52	PHE	C-O	-5.56	1.17	1.24
1	4I	52	PHE	C-O	-5.56	1.17	1.24
1	4Q	52	PHE	C-O	-5.56	1.17	1.24
1	5Y	52	PHE	C-O	-5.56	1.17	1.24
1	6E	52	PHE	C-O	-5.56	1.17	1.24
1	6Y	52	PHE	C-O	-5.56	1.17	1.24
1	7I	52	PHE	C-O	-5.56	1.17	1.24
1	7U	52	PHE	C-O	-5.56	1.17	1.24
1	1Q	18	PRO	CA-C	5.56	1.60	1.52
1	1U	18	PRO	CA-C	5.56	1.60	1.52
1	1Y	18	PRO	CA-C	5.56	1.60	1.52
1	2Q	18	PRO	CA-C	5.56	1.60	1.52
1	2U	18	PRO	CA-C	5.56	1.60	1.52
1	2Y	18	PRO	CA-C	5.56	1.60	1.52
1	42	18	PRO	CA-C	5.56	1.60	1.52
1	46	18	PRO	CA-C	5.56	1.60	1.52
1	5A	18	PRO	CA-C	5.56	1.60	1.52
1	52	18	PRO	CA-C	5.56	1.60	1.52
1	56	18	PRO	CA-C	5.56	1.60	1.52
1	6A	18	PRO	CA-C	5.56	1.60	1.52
2	1B	40	ASN	CG-ND2	5.55	1.45	1.33
2	1J	40	ASN	CG-ND2	5.55	1.45	1.33
2	2F	40	ASN	CG-ND2	5.55	1.45	1.33
2	27	40	ASN	CG-ND2	5.55	1.45	1.33
2	3F	40	ASN	CG-ND2	5.55	1.45	1.33
2	4B	40	ASN	CG-ND2	5.55	1.45	1.33
2	4N	40	ASN	CG-ND2	5.55	1.45	1.33
2	4V	40	ASN	CG-ND2	5.55	1.45	1.33
2	5R	40	ASN	CG-ND2	5.55	1.45	1.33
2	6J	40	ASN	CG-ND2	5.55	1.45	1.33
2	6R	40	ASN	CG-ND2	5.55	1.45	1.33
2	7N	40	ASN	CG-ND2	5.55	1.45	1.33
1	1Q	95	THR	CB-OG1	-5.55	1.34	1.43
1	1U	95	THR	CB-OG1	-5.55	1.34	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	95	THR	CB-OG1	-5.55	1.34	1.43
1	2Q	95	THR	CB-OG1	-5.55	1.34	1.43
1	2U	95	THR	CB-OG1	-5.55	1.34	1.43
1	2Y	95	THR	CB-OG1	-5.55	1.34	1.43
1	42	95	THR	CB-OG1	-5.55	1.34	1.43
1	46	95	THR	CB-OG1	-5.55	1.34	1.43
1	5A	95	THR	CB-OG1	-5.55	1.34	1.43
1	52	95	THR	CB-OG1	-5.55	1.34	1.43
1	56	95	THR	CB-OG1	-5.55	1.34	1.43
1	6A	95	THR	CB-OG1	-5.55	1.34	1.43
2	1F	67	THR	CB-CG2	5.55	1.70	1.52
2	2N	67	THR	CB-CG2	5.55	1.70	1.52
2	23	67	THR	CB-CG2	5.55	1.70	1.52
2	3N	67	THR	CB-CG2	5.55	1.70	1.52
2	37	67	THR	CB-CG2	5.55	1.70	1.52
2	4J	67	THR	CB-CG2	5.55	1.70	1.52
2	4R	67	THR	CB-CG2	5.55	1.70	1.52
2	5Z	67	THR	CB-CG2	5.55	1.70	1.52
2	6F	67	THR	CB-CG2	5.55	1.70	1.52
2	6Z	67	THR	CB-CG2	5.55	1.70	1.52
2	7J	67	THR	CB-CG2	5.55	1.70	1.52
2	7V	67	THR	CB-CG2	5.55	1.70	1.52
1	1M	95	THR	CB-OG1	-5.55	1.34	1.43
1	2I	95	THR	CB-OG1	-5.55	1.34	1.43
1	3A	95	THR	CB-OG1	-5.55	1.34	1.43
1	3I	95	THR	CB-OG1	-5.55	1.34	1.43
1	32	95	THR	CB-OG1	-5.55	1.34	1.43
1	4E	95	THR	CB-OG1	-5.55	1.34	1.43
1	4Y	95	THR	CB-OG1	-5.55	1.34	1.43
1	5U	95	THR	CB-OG1	-5.55	1.34	1.43
1	6M	95	THR	CB-OG1	-5.55	1.34	1.43
1	6U	95	THR	CB-OG1	-5.55	1.34	1.43
1	7E	95	THR	CB-OG1	-5.55	1.34	1.43
1	7Q	95	THR	CB-OG1	-5.55	1.34	1.43
1	12	91	PRO	CA-C	5.55	1.58	1.52
1	16	91	PRO	CA-C	5.55	1.58	1.52
1	2A	91	PRO	CA-C	5.55	1.58	1.52
1	3Q	91	PRO	CA-C	5.55	1.58	1.52
1	3U	91	PRO	CA-C	5.55	1.58	1.52
1	3Y	91	PRO	CA-C	5.55	1.58	1.52
1	5E	91	PRO	CA-C	5.55	1.58	1.52
1	5I	91	PRO	CA-C	5.55	1.58	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	91	PRO	CA-C	5.55	1.58	1.52
1	62	91	PRO	CA-C	5.55	1.58	1.52
1	66	91	PRO	CA-C	5.55	1.58	1.52
1	7A	91	PRO	CA-C	5.55	1.58	1.52
1	1A	38	PRO	C-N	5.54	1.41	1.33
2	1F	70	TRP	CD2-CE3	-5.54	1.31	1.40
1	1I	38	PRO	C-N	5.54	1.41	1.33
1	2E	38	PRO	C-N	5.54	1.41	1.33
2	2N	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	23	70	TRP	CD2-CE3	-5.54	1.31	1.40
1	26	38	PRO	C-N	5.54	1.41	1.33
1	3E	38	PRO	C-N	5.54	1.41	1.33
2	3N	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	37	70	TRP	CD2-CE3	-5.54	1.31	1.40
1	4A	38	PRO	C-N	5.54	1.41	1.33
2	4J	70	TRP	CD2-CE3	-5.54	1.31	1.40
1	4M	38	PRO	C-N	5.54	1.41	1.33
2	4R	70	TRP	CD2-CE3	-5.54	1.31	1.40
1	4U	38	PRO	C-N	5.54	1.41	1.33
1	5Q	38	PRO	C-N	5.54	1.41	1.33
2	5Z	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	6F	70	TRP	CD2-CE3	-5.54	1.31	1.40
1	6I	38	PRO	C-N	5.54	1.41	1.33
1	6Q	38	PRO	C-N	5.54	1.41	1.33
2	6Z	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	7J	70	TRP	CD2-CE3	-5.54	1.31	1.40
1	7M	38	PRO	C-N	5.54	1.41	1.33
2	7V	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	1N	77	THR	CB-OG1	-5.54	1.34	1.43
2	1R	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	1V	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	1Z	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	2J	77	THR	CB-OG1	-5.54	1.34	1.43
2	2R	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	2V	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	2Z	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	3B	77	THR	CB-OG1	-5.54	1.34	1.43
2	3J	77	THR	CB-OG1	-5.54	1.34	1.43
2	33	77	THR	CB-OG1	-5.54	1.34	1.43
2	4F	77	THR	CB-OG1	-5.54	1.34	1.43
2	4Z	77	THR	CB-OG1	-5.54	1.34	1.43
2	43	70	TRP	CD2-CE3	-5.54	1.31	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	5B	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	5V	77	THR	CB-OG1	-5.54	1.34	1.43
2	53	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	57	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	6B	70	TRP	CD2-CE3	-5.54	1.31	1.40
2	6N	77	THR	CB-OG1	-5.54	1.34	1.43
2	6V	77	THR	CB-OG1	-5.54	1.34	1.43
2	7F	77	THR	CB-OG1	-5.54	1.34	1.43
2	7R	77	THR	CB-OG1	-5.54	1.34	1.43
2	1N	67	THR	CB-CG2	5.54	1.70	1.52
2	1R	77	THR	CB-OG1	-5.54	1.34	1.43
2	1V	77	THR	CB-OG1	-5.54	1.34	1.43
2	1Z	77	THR	CB-OG1	-5.54	1.34	1.43
2	2J	67	THR	CB-CG2	5.54	1.70	1.52
2	2R	77	THR	CB-OG1	-5.54	1.34	1.43
2	2V	77	THR	CB-OG1	-5.54	1.34	1.43
2	2Z	77	THR	CB-OG1	-5.54	1.34	1.43
2	3B	67	THR	CB-CG2	5.54	1.70	1.52
2	3J	67	THR	CB-CG2	5.54	1.70	1.52
2	33	67	THR	CB-CG2	5.54	1.70	1.52
2	4F	67	THR	CB-CG2	5.54	1.70	1.52
2	4Z	67	THR	CB-CG2	5.54	1.70	1.52
2	43	77	THR	CB-OG1	-5.54	1.34	1.43
2	47	77	THR	CB-OG1	-5.54	1.34	1.43
2	5B	77	THR	CB-OG1	-5.54	1.34	1.43
2	5V	67	THR	CB-CG2	5.54	1.70	1.52
2	53	77	THR	CB-OG1	-5.54	1.34	1.43
2	57	77	THR	CB-OG1	-5.54	1.34	1.43
2	6B	77	THR	CB-OG1	-5.54	1.34	1.43
2	6N	67	THR	CB-CG2	5.54	1.70	1.52
2	6V	67	THR	CB-CG2	5.54	1.70	1.52
2	7F	67	THR	CB-CG2	5.54	1.70	1.52
2	7R	67	THR	CB-CG2	5.54	1.70	1.52
2	1B	67	THR	CB-CG2	5.54	1.70	1.52
1	1E	95	THR	CB-OG1	-5.54	1.34	1.43
2	1F	226	ILE	CA-C	5.54	1.59	1.52
2	1J	67	THR	CB-CG2	5.54	1.70	1.52
2	2F	67	THR	CB-CG2	5.54	1.70	1.52
1	2M	95	THR	CB-OG1	-5.54	1.34	1.43
2	2N	226	ILE	CA-C	5.54	1.59	1.52
1	22	95	THR	CB-OG1	-5.54	1.34	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	226	ILE	CA-C	5.54	1.59	1.52
2	27	67	THR	CB-CG2	5.54	1.70	1.52
2	3F	67	THR	CB-CG2	5.54	1.70	1.52
1	3M	95	THR	CB-OG1	-5.54	1.34	1.43
2	3N	226	ILE	CA-C	5.54	1.59	1.52
1	36	95	THR	CB-OG1	-5.54	1.34	1.43
2	37	226	ILE	CA-C	5.54	1.59	1.52
2	4B	67	THR	CB-CG2	5.54	1.70	1.52
1	4I	95	THR	CB-OG1	-5.54	1.34	1.43
2	4J	226	ILE	CA-C	5.54	1.59	1.52
2	4N	67	THR	CB-CG2	5.54	1.70	1.52
1	4Q	95	THR	CB-OG1	-5.54	1.34	1.43
2	4R	226	ILE	CA-C	5.54	1.59	1.52
2	4V	67	THR	CB-CG2	5.54	1.70	1.52
2	5R	67	THR	CB-CG2	5.54	1.70	1.52
1	5Y	95	THR	CB-OG1	-5.54	1.34	1.43
2	5Z	226	ILE	CA-C	5.54	1.59	1.52
1	6E	95	THR	CB-OG1	-5.54	1.34	1.43
2	6F	226	ILE	CA-C	5.54	1.59	1.52
2	6J	67	THR	CB-CG2	5.54	1.70	1.52
2	6R	67	THR	CB-CG2	5.54	1.70	1.52
1	6Y	95	THR	CB-OG1	-5.54	1.34	1.43
2	6Z	226	ILE	CA-C	5.54	1.59	1.52
1	7I	95	THR	CB-OG1	-5.54	1.34	1.43
2	7J	226	ILE	CA-C	5.54	1.59	1.52
2	7N	67	THR	CB-CG2	5.54	1.70	1.52
1	7U	95	THR	CB-OG1	-5.54	1.34	1.43
2	7V	226	ILE	CA-C	5.54	1.59	1.52
2	1R	2	GLU	CB-CG	5.54	1.69	1.52
2	1V	2	GLU	CB-CG	5.54	1.69	1.52
2	1Z	2	GLU	CB-CG	5.54	1.69	1.52
2	2R	2	GLU	CB-CG	5.54	1.69	1.52
2	2V	2	GLU	CB-CG	5.54	1.69	1.52
2	2Z	2	GLU	CB-CG	5.54	1.69	1.52
2	43	2	GLU	CB-CG	5.54	1.69	1.52
2	47	2	GLU	CB-CG	5.54	1.69	1.52
2	5B	2	GLU	CB-CG	5.54	1.69	1.52
2	53	2	GLU	CB-CG	5.54	1.69	1.52
2	57	2	GLU	CB-CG	5.54	1.69	1.52
2	6B	2	GLU	CB-CG	5.54	1.69	1.52
1	1E	38	PRO	C-N	5.53	1.41	1.33
1	1M	52	PHE	C-O	-5.53	1.17	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2I	52	PHE	C-O	-5.53	1.17	1.24
1	2M	38	PRO	C-N	5.53	1.41	1.33
1	22	38	PRO	C-N	5.53	1.41	1.33
1	3A	52	PHE	C-O	-5.53	1.17	1.24
1	3I	52	PHE	C-O	-5.53	1.17	1.24
1	3M	38	PRO	C-N	5.53	1.41	1.33
1	32	52	PHE	C-O	-5.53	1.17	1.24
1	36	38	PRO	C-N	5.53	1.41	1.33
1	4E	52	PHE	C-O	-5.53	1.17	1.24
1	4I	38	PRO	C-N	5.53	1.41	1.33
1	4Q	38	PRO	C-N	5.53	1.41	1.33
1	4Y	52	PHE	C-O	-5.53	1.17	1.24
1	5U	52	PHE	C-O	-5.53	1.17	1.24
1	5Y	38	PRO	C-N	5.53	1.41	1.33
1	6E	38	PRO	C-N	5.53	1.41	1.33
1	6M	52	PHE	C-O	-5.53	1.17	1.24
1	6U	52	PHE	C-O	-5.53	1.17	1.24
1	6Y	38	PRO	C-N	5.53	1.41	1.33
1	7E	52	PHE	C-O	-5.53	1.17	1.24
1	7I	38	PRO	C-N	5.53	1.41	1.33
1	7Q	52	PHE	C-O	-5.53	1.17	1.24
1	7U	38	PRO	C-N	5.53	1.41	1.33
2	13	2	GLU	CB-CG	5.53	1.69	1.52
2	17	2	GLU	CB-CG	5.53	1.69	1.52
2	2B	2	GLU	CB-CG	5.53	1.69	1.52
2	3R	2	GLU	CB-CG	5.53	1.69	1.52
2	3V	2	GLU	CB-CG	5.53	1.69	1.52
2	3Z	2	GLU	CB-CG	5.53	1.69	1.52
2	5F	2	GLU	CB-CG	5.53	1.69	1.52
2	5J	2	GLU	CB-CG	5.53	1.69	1.52
2	5N	2	GLU	CB-CG	5.53	1.69	1.52
2	63	2	GLU	CB-CG	5.53	1.69	1.52
2	67	2	GLU	CB-CG	5.53	1.69	1.52
2	7B	2	GLU	CB-CG	5.53	1.69	1.52
2	1B	2	GLU	CB-CG	5.53	1.69	1.52
2	1J	2	GLU	CB-CG	5.53	1.69	1.52
2	1N	2	GLU	CB-CG	5.53	1.69	1.52
1	12	95	THR	CB-OG1	-5.53	1.34	1.43
1	16	95	THR	CB-OG1	-5.53	1.34	1.43
1	2A	95	THR	CB-OG1	-5.53	1.34	1.43
2	2F	2	GLU	CB-CG	5.53	1.69	1.52
2	2J	2	GLU	CB-CG	5.53	1.69	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	27	2	GLU	CB-CG	5.53	1.69	1.52
2	3B	2	GLU	CB-CG	5.53	1.69	1.52
2	3F	2	GLU	CB-CG	5.53	1.69	1.52
2	3J	2	GLU	CB-CG	5.53	1.69	1.52
1	3Q	95	THR	CB-OG1	-5.53	1.34	1.43
1	3U	95	THR	CB-OG1	-5.53	1.34	1.43
1	3Y	95	THR	CB-OG1	-5.53	1.34	1.43
2	33	2	GLU	CB-CG	5.53	1.69	1.52
2	4B	2	GLU	CB-CG	5.53	1.69	1.52
2	4F	2	GLU	CB-CG	5.53	1.69	1.52
2	4N	2	GLU	CB-CG	5.53	1.69	1.52
2	4V	2	GLU	CB-CG	5.53	1.69	1.52
2	4Z	2	GLU	CB-CG	5.53	1.69	1.52
1	5E	95	THR	CB-OG1	-5.53	1.34	1.43
1	5I	95	THR	CB-OG1	-5.53	1.34	1.43
1	5M	95	THR	CB-OG1	-5.53	1.34	1.43
2	5R	2	GLU	CB-CG	5.53	1.69	1.52
2	5V	2	GLU	CB-CG	5.53	1.69	1.52
2	6J	2	GLU	CB-CG	5.53	1.69	1.52
2	6N	2	GLU	CB-CG	5.53	1.69	1.52
2	6R	2	GLU	CB-CG	5.53	1.69	1.52
2	6V	2	GLU	CB-CG	5.53	1.69	1.52
1	62	95	THR	CB-OG1	-5.53	1.34	1.43
1	66	95	THR	CB-OG1	-5.53	1.34	1.43
1	7A	95	THR	CB-OG1	-5.53	1.34	1.43
2	7F	2	GLU	CB-CG	5.53	1.69	1.52
2	7N	2	GLU	CB-CG	5.53	1.69	1.52
2	7R	2	GLU	CB-CG	5.53	1.69	1.52
1	1A	50	ARG	C-O	5.52	1.30	1.24
1	1I	50	ARG	C-O	5.52	1.30	1.24
1	1Q	50	ARG	C-O	5.52	1.30	1.24
1	1U	50	ARG	C-O	5.52	1.30	1.24
1	1Y	50	ARG	C-O	5.52	1.30	1.24
2	13	67	THR	CB-CG2	5.52	1.70	1.52
2	17	67	THR	CB-CG2	5.52	1.70	1.52
2	2B	67	THR	CB-CG2	5.52	1.70	1.52
1	2E	50	ARG	C-O	5.52	1.30	1.24
1	2Q	50	ARG	C-O	5.52	1.30	1.24
1	2U	50	ARG	C-O	5.52	1.30	1.24
1	2Y	50	ARG	C-O	5.52	1.30	1.24
1	26	50	ARG	C-O	5.52	1.30	1.24
1	3E	50	ARG	C-O	5.52	1.30	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3R	67	THR	CB-CG2	5.52	1.70	1.52
2	3V	67	THR	CB-CG2	5.52	1.70	1.52
2	3Z	67	THR	CB-CG2	5.52	1.70	1.52
1	4A	50	ARG	C-O	5.52	1.30	1.24
1	4M	50	ARG	C-O	5.52	1.30	1.24
1	4U	50	ARG	C-O	5.52	1.30	1.24
1	42	50	ARG	C-O	5.52	1.30	1.24
1	46	50	ARG	C-O	5.52	1.30	1.24
1	5A	50	ARG	C-O	5.52	1.30	1.24
2	5F	67	THR	CB-CG2	5.52	1.70	1.52
2	5J	67	THR	CB-CG2	5.52	1.70	1.52
2	5N	67	THR	CB-CG2	5.52	1.70	1.52
1	5Q	50	ARG	C-O	5.52	1.30	1.24
1	52	50	ARG	C-O	5.52	1.30	1.24
1	56	50	ARG	C-O	5.52	1.30	1.24
1	6A	50	ARG	C-O	5.52	1.30	1.24
1	6I	50	ARG	C-O	5.52	1.30	1.24
1	6Q	50	ARG	C-O	5.52	1.30	1.24
2	63	67	THR	CB-CG2	5.52	1.70	1.52
2	67	67	THR	CB-CG2	5.52	1.70	1.52
2	7B	67	THR	CB-CG2	5.52	1.70	1.52
1	7M	50	ARG	C-O	5.52	1.30	1.24
2	1F	2	GLU	CB-CG	5.52	1.69	1.52
2	1F	77	THR	CB-OG1	-5.52	1.34	1.43
2	2N	2	GLU	CB-CG	5.52	1.69	1.52
2	2N	77	THR	CB-OG1	-5.52	1.34	1.43
2	23	2	GLU	CB-CG	5.52	1.69	1.52
2	23	77	THR	CB-OG1	-5.52	1.34	1.43
2	3N	2	GLU	CB-CG	5.52	1.69	1.52
2	3N	77	THR	CB-OG1	-5.52	1.34	1.43
2	37	2	GLU	CB-CG	5.52	1.69	1.52
2	37	77	THR	CB-OG1	-5.52	1.34	1.43
2	4J	2	GLU	CB-CG	5.52	1.69	1.52
2	4J	77	THR	CB-OG1	-5.52	1.34	1.43
2	4R	2	GLU	CB-CG	5.52	1.69	1.52
2	4R	77	THR	CB-OG1	-5.52	1.34	1.43
2	5Z	2	GLU	CB-CG	5.52	1.69	1.52
2	5Z	77	THR	CB-OG1	-5.52	1.34	1.43
2	6F	2	GLU	CB-CG	5.52	1.69	1.52
2	6F	77	THR	CB-OG1	-5.52	1.34	1.43
2	6Z	2	GLU	CB-CG	5.52	1.69	1.52
2	6Z	77	THR	CB-OG1	-5.52	1.34	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	7J	2	GLU	CB-CG	5.52	1.69	1.52
2	7J	77	THR	CB-OG1	-5.52	1.34	1.43
2	7V	2	GLU	CB-CG	5.52	1.69	1.52
2	7V	77	THR	CB-OG1	-5.52	1.34	1.43
1	1A	18	PRO	CA-C	5.52	1.60	1.52
1	1I	18	PRO	CA-C	5.52	1.60	1.52
1	1M	38	PRO	C-N	5.52	1.41	1.33
1	2E	18	PRO	CA-C	5.52	1.60	1.52
1	2I	38	PRO	C-N	5.52	1.41	1.33
1	26	18	PRO	CA-C	5.52	1.60	1.52
1	3A	38	PRO	C-N	5.52	1.41	1.33
1	3E	18	PRO	CA-C	5.52	1.60	1.52
1	3I	38	PRO	C-N	5.52	1.41	1.33
1	32	38	PRO	C-N	5.52	1.41	1.33
1	4A	18	PRO	CA-C	5.52	1.60	1.52
1	4E	38	PRO	C-N	5.52	1.41	1.33
1	4M	18	PRO	CA-C	5.52	1.60	1.52
1	4U	18	PRO	CA-C	5.52	1.60	1.52
1	4Y	38	PRO	C-N	5.52	1.41	1.33
1	5Q	18	PRO	CA-C	5.52	1.60	1.52
1	5U	38	PRO	C-N	5.52	1.41	1.33
1	6I	18	PRO	CA-C	5.52	1.60	1.52
1	6M	38	PRO	C-N	5.52	1.41	1.33
1	6Q	18	PRO	CA-C	5.52	1.60	1.52
1	6U	38	PRO	C-N	5.52	1.41	1.33
1	7E	38	PRO	C-N	5.52	1.41	1.33
1	7M	18	PRO	CA-C	5.52	1.60	1.52
1	7Q	38	PRO	C-N	5.52	1.41	1.33
2	1B	77	THR	CB-OG1	-5.52	1.34	1.43
2	1J	77	THR	CB-OG1	-5.52	1.34	1.43
1	1Q	52	PHE	C-O	-5.52	1.17	1.24
2	1R	67	THR	CB-CG2	5.52	1.70	1.52
1	1U	52	PHE	C-O	-5.52	1.17	1.24
2	1V	67	THR	CB-CG2	5.52	1.70	1.52
1	1Y	52	PHE	C-O	-5.52	1.17	1.24
2	1Z	67	THR	CB-CG2	5.52	1.70	1.52
2	2F	77	THR	CB-OG1	-5.52	1.34	1.43
1	2Q	52	PHE	C-O	-5.52	1.17	1.24
2	2R	67	THR	CB-CG2	5.52	1.70	1.52
1	2U	52	PHE	C-O	-5.52	1.17	1.24
2	2V	67	THR	CB-CG2	5.52	1.70	1.52
1	2Y	52	PHE	C-O	-5.52	1.17	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2Z	67	THR	CB-CG2	5.52	1.70	1.52
2	27	77	THR	CB-OG1	-5.52	1.34	1.43
2	3F	77	THR	CB-OG1	-5.52	1.34	1.43
2	4B	77	THR	CB-OG1	-5.52	1.34	1.43
2	4N	77	THR	CB-OG1	-5.52	1.34	1.43
2	4V	77	THR	CB-OG1	-5.52	1.34	1.43
1	42	52	PHE	C-O	-5.52	1.17	1.24
2	43	67	THR	CB-CG2	5.52	1.70	1.52
1	46	52	PHE	C-O	-5.52	1.17	1.24
2	47	67	THR	CB-CG2	5.52	1.70	1.52
1	5A	52	PHE	C-O	-5.52	1.17	1.24
2	5B	67	THR	CB-CG2	5.52	1.70	1.52
2	5R	77	THR	CB-OG1	-5.52	1.34	1.43
1	52	52	PHE	C-O	-5.52	1.17	1.24
2	53	67	THR	CB-CG2	5.52	1.70	1.52
1	56	52	PHE	C-O	-5.52	1.17	1.24
2	57	67	THR	CB-CG2	5.52	1.70	1.52
1	6A	52	PHE	C-O	-5.52	1.17	1.24
2	6B	67	THR	CB-CG2	5.52	1.70	1.52
2	6J	77	THR	CB-OG1	-5.52	1.34	1.43
2	6R	77	THR	CB-OG1	-5.52	1.34	1.43
2	7N	77	THR	CB-OG1	-5.52	1.34	1.43
2	1F	40	ASN	CG-ND2	5.52	1.44	1.33
2	2N	40	ASN	CG-ND2	5.52	1.44	1.33
2	23	40	ASN	CG-ND2	5.52	1.44	1.33
2	3N	40	ASN	CG-ND2	5.52	1.44	1.33
2	37	40	ASN	CG-ND2	5.52	1.44	1.33
2	4J	40	ASN	CG-ND2	5.52	1.44	1.33
2	4R	40	ASN	CG-ND2	5.52	1.44	1.33
2	5Z	40	ASN	CG-ND2	5.52	1.44	1.33
2	6F	40	ASN	CG-ND2	5.52	1.44	1.33
2	6Z	40	ASN	CG-ND2	5.52	1.44	1.33
2	7J	40	ASN	CG-ND2	5.52	1.44	1.33
2	7V	40	ASN	CG-ND2	5.52	1.44	1.33
1	12	18	PRO	CA-C	5.51	1.60	1.52
1	16	18	PRO	CA-C	5.51	1.60	1.52
1	2A	18	PRO	CA-C	5.51	1.60	1.52
1	3Q	18	PRO	CA-C	5.51	1.60	1.52
1	3U	18	PRO	CA-C	5.51	1.60	1.52
1	3Y	18	PRO	CA-C	5.51	1.60	1.52
1	5E	18	PRO	CA-C	5.51	1.60	1.52
1	5I	18	PRO	CA-C	5.51	1.60	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	18	PRO	CA-C	5.51	1.60	1.52
1	62	18	PRO	CA-C	5.51	1.60	1.52
1	66	18	PRO	CA-C	5.51	1.60	1.52
1	7A	18	PRO	CA-C	5.51	1.60	1.52
1	1M	18	PRO	CA-C	5.51	1.60	1.52
2	13	77	THR	CB-OG1	-5.51	1.34	1.43
2	17	77	THR	CB-OG1	-5.51	1.34	1.43
2	2B	77	THR	CB-OG1	-5.51	1.34	1.43
1	2I	18	PRO	CA-C	5.51	1.60	1.52
1	3A	18	PRO	CA-C	5.51	1.60	1.52
1	3I	18	PRO	CA-C	5.51	1.60	1.52
2	3R	77	THR	CB-OG1	-5.51	1.34	1.43
2	3V	77	THR	CB-OG1	-5.51	1.34	1.43
2	3Z	77	THR	CB-OG1	-5.51	1.34	1.43
1	32	18	PRO	CA-C	5.51	1.60	1.52
1	4E	18	PRO	CA-C	5.51	1.60	1.52
1	4Y	18	PRO	CA-C	5.51	1.60	1.52
2	5F	77	THR	CB-OG1	-5.51	1.34	1.43
2	5J	77	THR	CB-OG1	-5.51	1.34	1.43
2	5N	77	THR	CB-OG1	-5.51	1.34	1.43
1	5U	18	PRO	CA-C	5.51	1.60	1.52
1	6M	18	PRO	CA-C	5.51	1.60	1.52
1	6U	18	PRO	CA-C	5.51	1.60	1.52
2	63	77	THR	CB-OG1	-5.51	1.34	1.43
2	67	77	THR	CB-OG1	-5.51	1.34	1.43
2	7B	77	THR	CB-OG1	-5.51	1.34	1.43
1	7E	18	PRO	CA-C	5.51	1.60	1.52
1	7Q	18	PRO	CA-C	5.51	1.60	1.52
1	12	65	PHE	CA-CB	-5.49	1.41	1.53
1	16	65	PHE	CA-CB	-5.49	1.41	1.53
1	2A	65	PHE	CA-CB	-5.49	1.41	1.53
1	3Q	65	PHE	CA-CB	-5.49	1.41	1.53
1	3U	65	PHE	CA-CB	-5.49	1.41	1.53
1	3Y	65	PHE	CA-CB	-5.49	1.41	1.53
1	5E	65	PHE	CA-CB	-5.49	1.41	1.53
1	5I	65	PHE	CA-CB	-5.49	1.41	1.53
1	5M	65	PHE	CA-CB	-5.49	1.41	1.53
1	62	65	PHE	CA-CB	-5.49	1.41	1.53
1	66	65	PHE	CA-CB	-5.49	1.41	1.53
1	7A	65	PHE	CA-CB	-5.49	1.41	1.53
1	1E	18	PRO	CA-C	5.48	1.60	1.52
1	2M	18	PRO	CA-C	5.48	1.60	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22	18	PRO	CA-C	5.48	1.60	1.52
1	3M	18	PRO	CA-C	5.48	1.60	1.52
1	36	18	PRO	CA-C	5.48	1.60	1.52
1	4I	18	PRO	CA-C	5.48	1.60	1.52
1	4Q	18	PRO	CA-C	5.48	1.60	1.52
1	5Y	18	PRO	CA-C	5.48	1.60	1.52
1	6E	18	PRO	CA-C	5.48	1.60	1.52
1	6Y	18	PRO	CA-C	5.48	1.60	1.52
1	7I	18	PRO	CA-C	5.48	1.60	1.52
1	7U	18	PRO	CA-C	5.48	1.60	1.52
1	1M	65	PHE	CA-CB	-5.47	1.41	1.53
1	2I	65	PHE	CA-CB	-5.47	1.41	1.53
1	3A	65	PHE	CA-CB	-5.47	1.41	1.53
1	3I	65	PHE	CA-CB	-5.47	1.41	1.53
1	32	65	PHE	CA-CB	-5.47	1.41	1.53
1	4E	65	PHE	CA-CB	-5.47	1.41	1.53
1	4Y	65	PHE	CA-CB	-5.47	1.41	1.53
1	5U	65	PHE	CA-CB	-5.47	1.41	1.53
1	6M	65	PHE	CA-CB	-5.47	1.41	1.53
1	6U	65	PHE	CA-CB	-5.47	1.41	1.53
1	7E	65	PHE	CA-CB	-5.47	1.41	1.53
1	7Q	65	PHE	CA-CB	-5.47	1.41	1.53
1	1A	155	PRO	CG-CD	-5.47	1.32	1.50
1	1E	155	PRO	CG-CD	-5.47	1.32	1.50
1	1I	155	PRO	CG-CD	-5.47	1.32	1.50
1	1M	155	PRO	CG-CD	-5.47	1.32	1.50
1	2E	155	PRO	CG-CD	-5.47	1.32	1.50
1	2I	155	PRO	CG-CD	-5.47	1.32	1.50
1	2M	155	PRO	CG-CD	-5.47	1.32	1.50
1	22	155	PRO	CG-CD	-5.47	1.32	1.50
1	26	155	PRO	CG-CD	-5.47	1.32	1.50
1	3A	155	PRO	CG-CD	-5.47	1.32	1.50
1	3E	155	PRO	CG-CD	-5.47	1.32	1.50
1	3I	155	PRO	CG-CD	-5.47	1.32	1.50
1	3M	155	PRO	CG-CD	-5.47	1.32	1.50
1	32	155	PRO	CG-CD	-5.47	1.32	1.50
1	36	155	PRO	CG-CD	-5.47	1.32	1.50
1	4A	155	PRO	CG-CD	-5.47	1.32	1.50
1	4E	155	PRO	CG-CD	-5.47	1.32	1.50
1	4I	155	PRO	CG-CD	-5.47	1.32	1.50
1	4M	155	PRO	CG-CD	-5.47	1.32	1.50
1	4Q	155	PRO	CG-CD	-5.47	1.32	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4U	155	PRO	CG-CD	-5.47	1.32	1.50
1	4Y	155	PRO	CG-CD	-5.47	1.32	1.50
1	5Q	155	PRO	CG-CD	-5.47	1.32	1.50
1	5U	155	PRO	CG-CD	-5.47	1.32	1.50
1	5Y	155	PRO	CG-CD	-5.47	1.32	1.50
1	6E	155	PRO	CG-CD	-5.47	1.32	1.50
1	6I	155	PRO	CG-CD	-5.47	1.32	1.50
1	6M	155	PRO	CG-CD	-5.47	1.32	1.50
1	6Q	155	PRO	CG-CD	-5.47	1.32	1.50
1	6U	155	PRO	CG-CD	-5.47	1.32	1.50
1	6Y	155	PRO	CG-CD	-5.47	1.32	1.50
1	7E	155	PRO	CG-CD	-5.47	1.32	1.50
1	7I	155	PRO	CG-CD	-5.47	1.32	1.50
1	7M	155	PRO	CG-CD	-5.47	1.32	1.50
1	7Q	155	PRO	CG-CD	-5.47	1.32	1.50
1	7U	155	PRO	CG-CD	-5.47	1.32	1.50
1	1A	65	PHE	CA-CB	-5.47	1.41	1.53
2	1B	218	ARG	CB-CG	5.47	1.68	1.52
1	1I	65	PHE	CA-CB	-5.47	1.41	1.53
2	1J	218	ARG	CB-CG	5.47	1.68	1.52
1	2E	65	PHE	CA-CB	-5.47	1.41	1.53
2	2F	218	ARG	CB-CG	5.47	1.68	1.52
1	26	65	PHE	CA-CB	-5.47	1.41	1.53
2	27	218	ARG	CB-CG	5.47	1.68	1.52
1	3E	65	PHE	CA-CB	-5.47	1.41	1.53
2	3F	218	ARG	CB-CG	5.47	1.68	1.52
1	4A	65	PHE	CA-CB	-5.47	1.41	1.53
2	4B	218	ARG	CB-CG	5.47	1.68	1.52
1	4M	65	PHE	CA-CB	-5.47	1.41	1.53
2	4N	218	ARG	CB-CG	5.47	1.68	1.52
1	4U	65	PHE	CA-CB	-5.47	1.41	1.53
2	4V	218	ARG	CB-CG	5.47	1.68	1.52
1	5Q	65	PHE	CA-CB	-5.47	1.41	1.53
2	5R	218	ARG	CB-CG	5.47	1.68	1.52
1	6I	65	PHE	CA-CB	-5.47	1.41	1.53
2	6J	218	ARG	CB-CG	5.47	1.68	1.52
1	6Q	65	PHE	CA-CB	-5.47	1.41	1.53
2	6R	218	ARG	CB-CG	5.47	1.68	1.52
1	7M	65	PHE	CA-CB	-5.47	1.41	1.53
2	7N	218	ARG	CB-CG	5.47	1.68	1.52
1	1Q	155	PRO	CG-CD	-5.47	1.32	1.50
1	1U	155	PRO	CG-CD	-5.47	1.32	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1Y	155	PRO	CG-CD	-5.47	1.32	1.50
1	2Q	155	PRO	CG-CD	-5.47	1.32	1.50
1	2U	155	PRO	CG-CD	-5.47	1.32	1.50
1	2Y	155	PRO	CG-CD	-5.47	1.32	1.50
1	42	155	PRO	CG-CD	-5.47	1.32	1.50
1	46	155	PRO	CG-CD	-5.47	1.32	1.50
1	5A	155	PRO	CG-CD	-5.47	1.32	1.50
1	52	155	PRO	CG-CD	-5.47	1.32	1.50
1	56	155	PRO	CG-CD	-5.47	1.32	1.50
1	6A	155	PRO	CG-CD	-5.47	1.32	1.50
1	12	155	PRO	CG-CD	-5.47	1.32	1.50
1	16	155	PRO	CG-CD	-5.47	1.32	1.50
1	2A	155	PRO	CG-CD	-5.47	1.32	1.50
1	3Q	155	PRO	CG-CD	-5.47	1.32	1.50
1	3U	155	PRO	CG-CD	-5.47	1.32	1.50
1	3Y	155	PRO	CG-CD	-5.47	1.32	1.50
1	5E	155	PRO	CG-CD	-5.47	1.32	1.50
1	5I	155	PRO	CG-CD	-5.47	1.32	1.50
1	5M	155	PRO	CG-CD	-5.47	1.32	1.50
1	62	155	PRO	CG-CD	-5.47	1.32	1.50
1	66	155	PRO	CG-CD	-5.47	1.32	1.50
1	7A	155	PRO	CG-CD	-5.47	1.32	1.50
1	1M	50	ARG	C-O	5.46	1.30	1.24
1	2I	50	ARG	C-O	5.46	1.30	1.24
1	3A	50	ARG	C-O	5.46	1.30	1.24
1	3I	50	ARG	C-O	5.46	1.30	1.24
1	32	50	ARG	C-O	5.46	1.30	1.24
1	4E	50	ARG	C-O	5.46	1.30	1.24
1	4Y	50	ARG	C-O	5.46	1.30	1.24
1	5U	50	ARG	C-O	5.46	1.30	1.24
1	6M	50	ARG	C-O	5.46	1.30	1.24
1	6U	50	ARG	C-O	5.46	1.30	1.24
1	7E	50	ARG	C-O	5.46	1.30	1.24
1	7Q	50	ARG	C-O	5.46	1.30	1.24
1	1Q	65	PHE	CA-CB	-5.46	1.41	1.53
2	1R	218	ARG	CB-CG	5.46	1.68	1.52
1	1U	65	PHE	CA-CB	-5.46	1.41	1.53
2	1V	218	ARG	CB-CG	5.46	1.68	1.52
1	1Y	65	PHE	CA-CB	-5.46	1.41	1.53
2	1Z	218	ARG	CB-CG	5.46	1.68	1.52
2	13	218	ARG	CB-CG	5.46	1.68	1.52
2	17	218	ARG	CB-CG	5.46	1.68	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	218	ARG	CB-CG	5.46	1.68	1.52
1	2Q	65	PHE	CA-CB	-5.46	1.41	1.53
2	2R	218	ARG	CB-CG	5.46	1.68	1.52
1	2U	65	PHE	CA-CB	-5.46	1.41	1.53
2	2V	218	ARG	CB-CG	5.46	1.68	1.52
1	2Y	65	PHE	CA-CB	-5.46	1.41	1.53
2	2Z	218	ARG	CB-CG	5.46	1.68	1.52
2	3R	218	ARG	CB-CG	5.46	1.68	1.52
2	3V	218	ARG	CB-CG	5.46	1.68	1.52
2	3Z	218	ARG	CB-CG	5.46	1.68	1.52
1	42	65	PHE	CA-CB	-5.46	1.41	1.53
2	43	218	ARG	CB-CG	5.46	1.68	1.52
1	46	65	PHE	CA-CB	-5.46	1.41	1.53
2	47	218	ARG	CB-CG	5.46	1.68	1.52
1	5A	65	PHE	CA-CB	-5.46	1.41	1.53
2	5B	218	ARG	CB-CG	5.46	1.68	1.52
2	5F	218	ARG	CB-CG	5.46	1.68	1.52
2	5J	218	ARG	CB-CG	5.46	1.68	1.52
2	5N	218	ARG	CB-CG	5.46	1.68	1.52
1	52	65	PHE	CA-CB	-5.46	1.41	1.53
2	53	218	ARG	CB-CG	5.46	1.68	1.52
1	56	65	PHE	CA-CB	-5.46	1.41	1.53
2	57	218	ARG	CB-CG	5.46	1.68	1.52
1	6A	65	PHE	CA-CB	-5.46	1.41	1.53
2	6B	218	ARG	CB-CG	5.46	1.68	1.52
2	63	218	ARG	CB-CG	5.46	1.68	1.52
2	67	218	ARG	CB-CG	5.46	1.68	1.52
2	7B	218	ARG	CB-CG	5.46	1.68	1.52
1	1E	65	PHE	CA-CB	-5.46	1.41	1.53
1	2M	65	PHE	CA-CB	-5.46	1.41	1.53
1	22	65	PHE	CA-CB	-5.46	1.41	1.53
1	3M	65	PHE	CA-CB	-5.46	1.41	1.53
1	36	65	PHE	CA-CB	-5.46	1.41	1.53
1	4I	65	PHE	CA-CB	-5.46	1.41	1.53
1	4Q	65	PHE	CA-CB	-5.46	1.41	1.53
1	5Y	65	PHE	CA-CB	-5.46	1.41	1.53
1	6E	65	PHE	CA-CB	-5.46	1.41	1.53
1	6Y	65	PHE	CA-CB	-5.46	1.41	1.53
1	7I	65	PHE	CA-CB	-5.46	1.41	1.53
1	7U	65	PHE	CA-CB	-5.46	1.41	1.53
2	1R	22	GLN	CA-CB	-5.45	1.45	1.53
2	1V	22	GLN	CA-CB	-5.45	1.45	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	22	GLN	CA-CB	-5.45	1.45	1.53
2	2R	22	GLN	CA-CB	-5.45	1.45	1.53
2	2V	22	GLN	CA-CB	-5.45	1.45	1.53
2	2Z	22	GLN	CA-CB	-5.45	1.45	1.53
2	43	22	GLN	CA-CB	-5.45	1.45	1.53
2	47	22	GLN	CA-CB	-5.45	1.45	1.53
2	5B	22	GLN	CA-CB	-5.45	1.45	1.53
2	53	22	GLN	CA-CB	-5.45	1.45	1.53
2	57	22	GLN	CA-CB	-5.45	1.45	1.53
2	6B	22	GLN	CA-CB	-5.45	1.45	1.53
2	13	22	GLN	CA-CB	-5.45	1.45	1.53
2	17	22	GLN	CA-CB	-5.45	1.45	1.53
2	2B	22	GLN	CA-CB	-5.45	1.45	1.53
2	3R	22	GLN	CA-CB	-5.45	1.45	1.53
2	3V	22	GLN	CA-CB	-5.45	1.45	1.53
2	3Z	22	GLN	CA-CB	-5.45	1.45	1.53
2	5F	22	GLN	CA-CB	-5.45	1.45	1.53
2	5J	22	GLN	CA-CB	-5.45	1.45	1.53
2	5N	22	GLN	CA-CB	-5.45	1.45	1.53
2	63	22	GLN	CA-CB	-5.45	1.45	1.53
2	67	22	GLN	CA-CB	-5.45	1.45	1.53
2	7B	22	GLN	CA-CB	-5.45	1.45	1.53
2	1N	218	ARG	CB-CG	5.45	1.68	1.52
2	2J	218	ARG	CB-CG	5.45	1.68	1.52
2	3B	218	ARG	CB-CG	5.45	1.68	1.52
2	3J	218	ARG	CB-CG	5.45	1.68	1.52
2	33	218	ARG	CB-CG	5.45	1.68	1.52
2	4F	218	ARG	CB-CG	5.45	1.68	1.52
2	4Z	218	ARG	CB-CG	5.45	1.68	1.52
2	5V	218	ARG	CB-CG	5.45	1.68	1.52
2	6N	218	ARG	CB-CG	5.45	1.68	1.52
2	6V	218	ARG	CB-CG	5.45	1.68	1.52
2	7F	218	ARG	CB-CG	5.45	1.68	1.52
2	7R	218	ARG	CB-CG	5.45	1.68	1.52
2	1B	22	GLN	CA-CB	-5.44	1.45	1.53
2	1J	22	GLN	CA-CB	-5.44	1.45	1.53
2	2F	22	GLN	CA-CB	-5.44	1.45	1.53
2	27	22	GLN	CA-CB	-5.44	1.45	1.53
2	3F	22	GLN	CA-CB	-5.44	1.45	1.53
2	4B	22	GLN	CA-CB	-5.44	1.45	1.53
2	4N	22	GLN	CA-CB	-5.44	1.45	1.53
2	4V	22	GLN	CA-CB	-5.44	1.45	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5R	22	GLN	CA-CB	-5.44	1.45	1.53
2	6J	22	GLN	CA-CB	-5.44	1.45	1.53
2	6R	22	GLN	CA-CB	-5.44	1.45	1.53
2	7N	22	GLN	CA-CB	-5.44	1.45	1.53
2	1F	218	ARG	CB-CG	5.44	1.68	1.52
1	1M	42	VAL	CB-CG1	5.44	1.70	1.52
1	2I	42	VAL	CB-CG1	5.44	1.70	1.52
2	2N	218	ARG	CB-CG	5.44	1.68	1.52
2	23	218	ARG	CB-CG	5.44	1.68	1.52
1	3A	42	VAL	CB-CG1	5.44	1.70	1.52
1	3I	42	VAL	CB-CG1	5.44	1.70	1.52
2	3N	218	ARG	CB-CG	5.44	1.68	1.52
1	32	42	VAL	CB-CG1	5.44	1.70	1.52
2	37	218	ARG	CB-CG	5.44	1.68	1.52
1	4E	42	VAL	CB-CG1	5.44	1.70	1.52
2	4J	218	ARG	CB-CG	5.44	1.68	1.52
2	4R	218	ARG	CB-CG	5.44	1.68	1.52
1	4Y	42	VAL	CB-CG1	5.44	1.70	1.52
1	5U	42	VAL	CB-CG1	5.44	1.70	1.52
2	5Z	218	ARG	CB-CG	5.44	1.68	1.52
2	6F	218	ARG	CB-CG	5.44	1.68	1.52
1	6M	42	VAL	CB-CG1	5.44	1.70	1.52
1	6U	42	VAL	CB-CG1	5.44	1.70	1.52
2	6Z	218	ARG	CB-CG	5.44	1.68	1.52
1	7E	42	VAL	CB-CG1	5.44	1.70	1.52
2	7J	218	ARG	CB-CG	5.44	1.68	1.52
1	7Q	42	VAL	CB-CG1	5.44	1.70	1.52
2	7V	218	ARG	CB-CG	5.44	1.68	1.52
1	1E	42	VAL	CB-CG1	5.44	1.70	1.52
1	2M	42	VAL	CB-CG1	5.44	1.70	1.52
1	22	42	VAL	CB-CG1	5.44	1.70	1.52
1	3M	42	VAL	CB-CG1	5.44	1.70	1.52
1	36	42	VAL	CB-CG1	5.44	1.70	1.52
1	4I	42	VAL	CB-CG1	5.44	1.70	1.52
1	4Q	42	VAL	CB-CG1	5.44	1.70	1.52
1	5Y	42	VAL	CB-CG1	5.44	1.70	1.52
1	6E	42	VAL	CB-CG1	5.44	1.70	1.52
1	6Y	42	VAL	CB-CG1	5.44	1.70	1.52
1	7I	42	VAL	CB-CG1	5.44	1.70	1.52
1	7U	42	VAL	CB-CG1	5.44	1.70	1.52
2	1N	22	GLN	CA-CB	-5.44	1.45	1.53
2	2J	22	GLN	CA-CB	-5.44	1.45	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	22	GLN	CA-CB	-5.44	1.45	1.53
2	3J	22	GLN	CA-CB	-5.44	1.45	1.53
2	33	22	GLN	CA-CB	-5.44	1.45	1.53
2	4F	22	GLN	CA-CB	-5.44	1.45	1.53
2	4Z	22	GLN	CA-CB	-5.44	1.45	1.53
2	5V	22	GLN	CA-CB	-5.44	1.45	1.53
2	6N	22	GLN	CA-CB	-5.44	1.45	1.53
2	6V	22	GLN	CA-CB	-5.44	1.45	1.53
2	7F	22	GLN	CA-CB	-5.44	1.45	1.53
2	7R	22	GLN	CA-CB	-5.44	1.45	1.53
1	1A	42	VAL	CB-CG1	5.43	1.70	1.52
1	1I	42	VAL	CB-CG1	5.43	1.70	1.52
1	12	42	VAL	CB-CG1	5.43	1.70	1.52
1	16	42	VAL	CB-CG1	5.43	1.70	1.52
1	2A	42	VAL	CB-CG1	5.43	1.70	1.52
1	2E	42	VAL	CB-CG1	5.43	1.70	1.52
1	26	42	VAL	CB-CG1	5.43	1.70	1.52
1	3E	42	VAL	CB-CG1	5.43	1.70	1.52
1	3Q	42	VAL	CB-CG1	5.43	1.70	1.52
1	3U	42	VAL	CB-CG1	5.43	1.70	1.52
1	3Y	42	VAL	CB-CG1	5.43	1.70	1.52
1	4A	42	VAL	CB-CG1	5.43	1.70	1.52
1	4M	42	VAL	CB-CG1	5.43	1.70	1.52
1	4U	42	VAL	CB-CG1	5.43	1.70	1.52
1	5E	42	VAL	CB-CG1	5.43	1.70	1.52
1	5I	42	VAL	CB-CG1	5.43	1.70	1.52
1	5M	42	VAL	CB-CG1	5.43	1.70	1.52
1	5Q	42	VAL	CB-CG1	5.43	1.70	1.52
1	6I	42	VAL	CB-CG1	5.43	1.70	1.52
1	6Q	42	VAL	CB-CG1	5.43	1.70	1.52
1	62	42	VAL	CB-CG1	5.43	1.70	1.52
1	66	42	VAL	CB-CG1	5.43	1.70	1.52
1	7A	42	VAL	CB-CG1	5.43	1.70	1.52
1	7M	42	VAL	CB-CG1	5.43	1.70	1.52
2	1F	22	GLN	CA-CB	-5.43	1.45	1.53
2	2N	22	GLN	CA-CB	-5.43	1.45	1.53
2	23	22	GLN	CA-CB	-5.43	1.45	1.53
2	3N	22	GLN	CA-CB	-5.43	1.45	1.53
2	37	22	GLN	CA-CB	-5.43	1.45	1.53
2	4J	22	GLN	CA-CB	-5.43	1.45	1.53
2	4R	22	GLN	CA-CB	-5.43	1.45	1.53
2	5Z	22	GLN	CA-CB	-5.43	1.45	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	22	GLN	CA-CB	-5.43	1.45	1.53
2	6Z	22	GLN	CA-CB	-5.43	1.45	1.53
2	7J	22	GLN	CA-CB	-5.43	1.45	1.53
2	7V	22	GLN	CA-CB	-5.43	1.45	1.53
2	13	108	HIS	CA-C	-5.43	1.45	1.52
2	17	108	HIS	CA-C	-5.43	1.45	1.52
2	2B	108	HIS	CA-C	-5.43	1.45	1.52
2	3R	108	HIS	CA-C	-5.43	1.45	1.52
2	3V	108	HIS	CA-C	-5.43	1.45	1.52
2	3Z	108	HIS	CA-C	-5.43	1.45	1.52
2	5F	108	HIS	CA-C	-5.43	1.45	1.52
2	5J	108	HIS	CA-C	-5.43	1.45	1.52
2	5N	108	HIS	CA-C	-5.43	1.45	1.52
2	63	108	HIS	CA-C	-5.43	1.45	1.52
2	67	108	HIS	CA-C	-5.43	1.45	1.52
2	7B	108	HIS	CA-C	-5.43	1.45	1.52
1	1Q	42	VAL	CB-CG1	5.42	1.70	1.52
1	1U	42	VAL	CB-CG1	5.42	1.70	1.52
1	1Y	42	VAL	CB-CG1	5.42	1.70	1.52
1	2Q	42	VAL	CB-CG1	5.42	1.70	1.52
1	2U	42	VAL	CB-CG1	5.42	1.70	1.52
1	2Y	42	VAL	CB-CG1	5.42	1.70	1.52
1	42	42	VAL	CB-CG1	5.42	1.70	1.52
1	46	42	VAL	CB-CG1	5.42	1.70	1.52
1	5A	42	VAL	CB-CG1	5.42	1.70	1.52
1	52	42	VAL	CB-CG1	5.42	1.70	1.52
1	56	42	VAL	CB-CG1	5.42	1.70	1.52
1	6A	42	VAL	CB-CG1	5.42	1.70	1.52
2	1F	38	VAL	CB-CG2	5.42	1.70	1.52
2	2N	38	VAL	CB-CG2	5.42	1.70	1.52
2	23	38	VAL	CB-CG2	5.42	1.70	1.52
2	3N	38	VAL	CB-CG2	5.42	1.70	1.52
2	37	38	VAL	CB-CG2	5.42	1.70	1.52
2	4J	38	VAL	CB-CG2	5.42	1.70	1.52
2	4R	38	VAL	CB-CG2	5.42	1.70	1.52
2	5Z	38	VAL	CB-CG2	5.42	1.70	1.52
2	6F	38	VAL	CB-CG2	5.42	1.70	1.52
2	6Z	38	VAL	CB-CG2	5.42	1.70	1.52
2	7J	38	VAL	CB-CG2	5.42	1.70	1.52
2	7V	38	VAL	CB-CG2	5.42	1.70	1.52
2	13	38	VAL	CB-CG2	5.42	1.70	1.52
2	17	38	VAL	CB-CG2	5.42	1.70	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	38	VAL	CB-CG2	5.42	1.70	1.52
2	3R	38	VAL	CB-CG2	5.42	1.70	1.52
2	3V	38	VAL	CB-CG2	5.42	1.70	1.52
2	3Z	38	VAL	CB-CG2	5.42	1.70	1.52
2	5F	38	VAL	CB-CG2	5.42	1.70	1.52
2	5J	38	VAL	CB-CG2	5.42	1.70	1.52
2	5N	38	VAL	CB-CG2	5.42	1.70	1.52
2	63	38	VAL	CB-CG2	5.42	1.70	1.52
2	67	38	VAL	CB-CG2	5.42	1.70	1.52
2	7B	38	VAL	CB-CG2	5.42	1.70	1.52
2	1B	108	HIS	CA-C	-5.42	1.45	1.52
2	1J	108	HIS	CA-C	-5.42	1.45	1.52
2	2F	108	HIS	CA-C	-5.42	1.45	1.52
2	27	108	HIS	CA-C	-5.42	1.45	1.52
2	3F	108	HIS	CA-C	-5.42	1.45	1.52
2	4B	108	HIS	CA-C	-5.42	1.45	1.52
2	4N	108	HIS	CA-C	-5.42	1.45	1.52
2	4V	108	HIS	CA-C	-5.42	1.45	1.52
2	5R	108	HIS	CA-C	-5.42	1.45	1.52
2	6J	108	HIS	CA-C	-5.42	1.45	1.52
2	6R	108	HIS	CA-C	-5.42	1.45	1.52
2	7N	108	HIS	CA-C	-5.42	1.45	1.52
2	1R	38	VAL	CB-CG2	5.41	1.70	1.52
2	1V	38	VAL	CB-CG2	5.41	1.70	1.52
2	1Z	38	VAL	CB-CG2	5.41	1.70	1.52
1	12	180	VAL	CB-CG1	-5.41	1.34	1.52
1	16	180	VAL	CB-CG1	-5.41	1.34	1.52
1	2A	180	VAL	CB-CG1	-5.41	1.34	1.52
2	2R	38	VAL	CB-CG2	5.41	1.70	1.52
2	2V	38	VAL	CB-CG2	5.41	1.70	1.52
2	2Z	38	VAL	CB-CG2	5.41	1.70	1.52
1	3Q	180	VAL	CB-CG1	-5.41	1.34	1.52
1	3U	180	VAL	CB-CG1	-5.41	1.34	1.52
1	3Y	180	VAL	CB-CG1	-5.41	1.34	1.52
2	43	38	VAL	CB-CG2	5.41	1.70	1.52
2	47	38	VAL	CB-CG2	5.41	1.70	1.52
2	5B	38	VAL	CB-CG2	5.41	1.70	1.52
1	5E	180	VAL	CB-CG1	-5.41	1.34	1.52
1	5I	180	VAL	CB-CG1	-5.41	1.34	1.52
1	5M	180	VAL	CB-CG1	-5.41	1.34	1.52
2	53	38	VAL	CB-CG2	5.41	1.70	1.52
2	57	38	VAL	CB-CG2	5.41	1.70	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	38	VAL	CB-CG2	5.41	1.70	1.52
1	62	180	VAL	CB-CG1	-5.41	1.34	1.52
1	66	180	VAL	CB-CG1	-5.41	1.34	1.52
1	7A	180	VAL	CB-CG1	-5.41	1.34	1.52
2	1N	108	HIS	CA-C	-5.41	1.45	1.52
2	2J	108	HIS	CA-C	-5.41	1.45	1.52
2	3B	108	HIS	CA-C	-5.41	1.45	1.52
2	3J	108	HIS	CA-C	-5.41	1.45	1.52
2	33	108	HIS	CA-C	-5.41	1.45	1.52
2	4F	108	HIS	CA-C	-5.41	1.45	1.52
2	4Z	108	HIS	CA-C	-5.41	1.45	1.52
2	5V	108	HIS	CA-C	-5.41	1.45	1.52
2	6N	108	HIS	CA-C	-5.41	1.45	1.52
2	6V	108	HIS	CA-C	-5.41	1.45	1.52
2	7F	108	HIS	CA-C	-5.41	1.45	1.52
2	7R	108	HIS	CA-C	-5.41	1.45	1.52
2	1R	27	PRO	CA-CB	-5.41	1.46	1.53
2	1V	27	PRO	CA-CB	-5.41	1.46	1.53
2	1Z	27	PRO	CA-CB	-5.41	1.46	1.53
2	2R	27	PRO	CA-CB	-5.41	1.46	1.53
2	2V	27	PRO	CA-CB	-5.41	1.46	1.53
2	2Z	27	PRO	CA-CB	-5.41	1.46	1.53
2	43	27	PRO	CA-CB	-5.41	1.46	1.53
2	47	27	PRO	CA-CB	-5.41	1.46	1.53
2	5B	27	PRO	CA-CB	-5.41	1.46	1.53
2	53	27	PRO	CA-CB	-5.41	1.46	1.53
2	57	27	PRO	CA-CB	-5.41	1.46	1.53
2	6B	27	PRO	CA-CB	-5.41	1.46	1.53
2	1B	27	PRO	CA-CB	-5.41	1.46	1.53
2	1B	38	VAL	CB-CG2	5.41	1.70	1.52
2	1J	27	PRO	CA-CB	-5.41	1.46	1.53
2	1J	38	VAL	CB-CG2	5.41	1.70	1.52
2	1N	38	VAL	CB-CG2	5.41	1.70	1.52
2	2F	27	PRO	CA-CB	-5.41	1.46	1.53
2	2F	38	VAL	CB-CG2	5.41	1.70	1.52
2	2J	38	VAL	CB-CG2	5.41	1.70	1.52
2	27	27	PRO	CA-CB	-5.41	1.46	1.53
2	27	38	VAL	CB-CG2	5.41	1.70	1.52
2	3B	38	VAL	CB-CG2	5.41	1.70	1.52
2	3F	27	PRO	CA-CB	-5.41	1.46	1.53
2	3F	38	VAL	CB-CG2	5.41	1.70	1.52
2	3J	38	VAL	CB-CG2	5.41	1.70	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	33	38	VAL	CB-CG2	5.41	1.70	1.52
2	4B	27	PRO	CA-CB	-5.41	1.46	1.53
2	4B	38	VAL	CB-CG2	5.41	1.70	1.52
2	4F	38	VAL	CB-CG2	5.41	1.70	1.52
2	4N	27	PRO	CA-CB	-5.41	1.46	1.53
2	4N	38	VAL	CB-CG2	5.41	1.70	1.52
2	4V	27	PRO	CA-CB	-5.41	1.46	1.53
2	4V	38	VAL	CB-CG2	5.41	1.70	1.52
2	4Z	38	VAL	CB-CG2	5.41	1.70	1.52
2	5R	27	PRO	CA-CB	-5.41	1.46	1.53
2	5R	38	VAL	CB-CG2	5.41	1.70	1.52
2	5V	38	VAL	CB-CG2	5.41	1.70	1.52
2	6J	27	PRO	CA-CB	-5.41	1.46	1.53
2	6J	38	VAL	CB-CG2	5.41	1.70	1.52
2	6N	38	VAL	CB-CG2	5.41	1.70	1.52
2	6R	27	PRO	CA-CB	-5.41	1.46	1.53
2	6R	38	VAL	CB-CG2	5.41	1.70	1.52
2	6V	38	VAL	CB-CG2	5.41	1.70	1.52
2	7F	38	VAL	CB-CG2	5.41	1.70	1.52
2	7N	27	PRO	CA-CB	-5.41	1.46	1.53
2	7N	38	VAL	CB-CG2	5.41	1.70	1.52
2	7R	38	VAL	CB-CG2	5.41	1.70	1.52
1	1M	180	VAL	CB-CG1	-5.40	1.34	1.52
1	2I	180	VAL	CB-CG1	-5.40	1.34	1.52
1	3A	180	VAL	CB-CG1	-5.40	1.34	1.52
1	3I	180	VAL	CB-CG1	-5.40	1.34	1.52
1	32	180	VAL	CB-CG1	-5.40	1.34	1.52
1	4E	180	VAL	CB-CG1	-5.40	1.34	1.52
1	4Y	180	VAL	CB-CG1	-5.40	1.34	1.52
1	5U	180	VAL	CB-CG1	-5.40	1.34	1.52
1	6M	180	VAL	CB-CG1	-5.40	1.34	1.52
1	6U	180	VAL	CB-CG1	-5.40	1.34	1.52
1	7E	180	VAL	CB-CG1	-5.40	1.34	1.52
1	7Q	180	VAL	CB-CG1	-5.40	1.34	1.52
2	1F	27	PRO	CA-CB	-5.40	1.46	1.53
2	1N	27	PRO	CA-CB	-5.40	1.46	1.53
2	13	27	PRO	CA-CB	-5.40	1.46	1.53
2	17	27	PRO	CA-CB	-5.40	1.46	1.53
2	2B	27	PRO	CA-CB	-5.40	1.46	1.53
2	2J	27	PRO	CA-CB	-5.40	1.46	1.53
2	2N	27	PRO	CA-CB	-5.40	1.46	1.53
2	23	27	PRO	CA-CB	-5.40	1.46	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3B	27	PRO	CA-CB	-5.40	1.46	1.53
2	3J	27	PRO	CA-CB	-5.40	1.46	1.53
2	3N	27	PRO	CA-CB	-5.40	1.46	1.53
2	3R	27	PRO	CA-CB	-5.40	1.46	1.53
2	3V	27	PRO	CA-CB	-5.40	1.46	1.53
2	3Z	27	PRO	CA-CB	-5.40	1.46	1.53
2	33	27	PRO	CA-CB	-5.40	1.46	1.53
2	37	27	PRO	CA-CB	-5.40	1.46	1.53
2	4F	27	PRO	CA-CB	-5.40	1.46	1.53
2	4J	27	PRO	CA-CB	-5.40	1.46	1.53
2	4R	27	PRO	CA-CB	-5.40	1.46	1.53
2	4Z	27	PRO	CA-CB	-5.40	1.46	1.53
2	5F	27	PRO	CA-CB	-5.40	1.46	1.53
2	5J	27	PRO	CA-CB	-5.40	1.46	1.53
2	5N	27	PRO	CA-CB	-5.40	1.46	1.53
2	5V	27	PRO	CA-CB	-5.40	1.46	1.53
2	5Z	27	PRO	CA-CB	-5.40	1.46	1.53
2	6F	27	PRO	CA-CB	-5.40	1.46	1.53
2	6N	27	PRO	CA-CB	-5.40	1.46	1.53
2	6V	27	PRO	CA-CB	-5.40	1.46	1.53
2	6Z	27	PRO	CA-CB	-5.40	1.46	1.53
2	63	27	PRO	CA-CB	-5.40	1.46	1.53
2	67	27	PRO	CA-CB	-5.40	1.46	1.53
2	7B	27	PRO	CA-CB	-5.40	1.46	1.53
2	7F	27	PRO	CA-CB	-5.40	1.46	1.53
2	7J	27	PRO	CA-CB	-5.40	1.46	1.53
2	7R	27	PRO	CA-CB	-5.40	1.46	1.53
2	7V	27	PRO	CA-CB	-5.40	1.46	1.53
1	1A	180	VAL	CB-CG1	-5.39	1.34	1.52
1	1I	180	VAL	CB-CG1	-5.39	1.34	1.52
2	1R	108	HIS	CA-C	-5.39	1.45	1.52
2	1V	108	HIS	CA-C	-5.39	1.45	1.52
2	1Z	108	HIS	CA-C	-5.39	1.45	1.52
1	2E	180	VAL	CB-CG1	-5.39	1.34	1.52
2	2R	108	HIS	CA-C	-5.39	1.45	1.52
2	2V	108	HIS	CA-C	-5.39	1.45	1.52
2	2Z	108	HIS	CA-C	-5.39	1.45	1.52
1	26	180	VAL	CB-CG1	-5.39	1.34	1.52
1	3E	180	VAL	CB-CG1	-5.39	1.34	1.52
1	4A	180	VAL	CB-CG1	-5.39	1.34	1.52
1	4M	180	VAL	CB-CG1	-5.39	1.34	1.52
1	4U	180	VAL	CB-CG1	-5.39	1.34	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	43	108	HIS	CA-C	-5.39	1.45	1.52
2	47	108	HIS	CA-C	-5.39	1.45	1.52
2	5B	108	HIS	CA-C	-5.39	1.45	1.52
1	5Q	180	VAL	CB-CG1	-5.39	1.34	1.52
2	53	108	HIS	CA-C	-5.39	1.45	1.52
2	57	108	HIS	CA-C	-5.39	1.45	1.52
2	6B	108	HIS	CA-C	-5.39	1.45	1.52
1	6I	180	VAL	CB-CG1	-5.39	1.34	1.52
1	6Q	180	VAL	CB-CG1	-5.39	1.34	1.52
1	7M	180	VAL	CB-CG1	-5.39	1.34	1.52
2	1N	6	LYS	CG-CD	-5.39	1.36	1.52
2	2J	6	LYS	CG-CD	-5.39	1.36	1.52
2	3B	6	LYS	CG-CD	-5.39	1.36	1.52
2	3J	6	LYS	CG-CD	-5.39	1.36	1.52
2	33	6	LYS	CG-CD	-5.39	1.36	1.52
2	4F	6	LYS	CG-CD	-5.39	1.36	1.52
2	4Z	6	LYS	CG-CD	-5.39	1.36	1.52
2	5V	6	LYS	CG-CD	-5.39	1.36	1.52
2	6N	6	LYS	CG-CD	-5.39	1.36	1.52
2	6V	6	LYS	CG-CD	-5.39	1.36	1.52
2	7F	6	LYS	CG-CD	-5.39	1.36	1.52
2	7R	6	LYS	CG-CD	-5.39	1.36	1.52
1	1Q	180	VAL	CB-CG1	-5.38	1.34	1.52
1	1U	180	VAL	CB-CG1	-5.38	1.34	1.52
1	1Y	180	VAL	CB-CG1	-5.38	1.34	1.52
1	2Q	180	VAL	CB-CG1	-5.38	1.34	1.52
1	2U	180	VAL	CB-CG1	-5.38	1.34	1.52
1	2Y	180	VAL	CB-CG1	-5.38	1.34	1.52
1	42	180	VAL	CB-CG1	-5.38	1.34	1.52
1	46	180	VAL	CB-CG1	-5.38	1.34	1.52
1	5A	180	VAL	CB-CG1	-5.38	1.34	1.52
1	52	180	VAL	CB-CG1	-5.38	1.34	1.52
1	56	180	VAL	CB-CG1	-5.38	1.34	1.52
1	6A	180	VAL	CB-CG1	-5.38	1.34	1.52
2	1R	6	LYS	CG-CD	-5.38	1.36	1.52
2	1V	6	LYS	CG-CD	-5.38	1.36	1.52
2	1Z	6	LYS	CG-CD	-5.38	1.36	1.52
2	2R	6	LYS	CG-CD	-5.38	1.36	1.52
2	2V	6	LYS	CG-CD	-5.38	1.36	1.52
2	2Z	6	LYS	CG-CD	-5.38	1.36	1.52
2	43	6	LYS	CG-CD	-5.38	1.36	1.52
2	47	6	LYS	CG-CD	-5.38	1.36	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	6	LYS	CG-CD	-5.38	1.36	1.52
2	53	6	LYS	CG-CD	-5.38	1.36	1.52
2	57	6	LYS	CG-CD	-5.38	1.36	1.52
2	6B	6	LYS	CG-CD	-5.38	1.36	1.52
1	1E	150	TYR	CB-CG	5.38	1.63	1.51
1	2M	150	TYR	CB-CG	5.38	1.63	1.51
1	22	150	TYR	CB-CG	5.38	1.63	1.51
1	3M	150	TYR	CB-CG	5.38	1.63	1.51
1	36	150	TYR	CB-CG	5.38	1.63	1.51
1	4I	150	TYR	CB-CG	5.38	1.63	1.51
1	4Q	150	TYR	CB-CG	5.38	1.63	1.51
1	5Y	150	TYR	CB-CG	5.38	1.63	1.51
1	6E	150	TYR	CB-CG	5.38	1.63	1.51
1	6Y	150	TYR	CB-CG	5.38	1.63	1.51
1	7I	150	TYR	CB-CG	5.38	1.63	1.51
1	7U	150	TYR	CB-CG	5.38	1.63	1.51
2	1F	108	HIS	CA-C	-5.37	1.45	1.52
2	2N	108	HIS	CA-C	-5.37	1.45	1.52
2	23	108	HIS	CA-C	-5.37	1.45	1.52
2	3N	108	HIS	CA-C	-5.37	1.45	1.52
2	37	108	HIS	CA-C	-5.37	1.45	1.52
2	4J	108	HIS	CA-C	-5.37	1.45	1.52
2	4R	108	HIS	CA-C	-5.37	1.45	1.52
2	5Z	108	HIS	CA-C	-5.37	1.45	1.52
2	6F	108	HIS	CA-C	-5.37	1.45	1.52
2	6Z	108	HIS	CA-C	-5.37	1.45	1.52
2	7J	108	HIS	CA-C	-5.37	1.45	1.52
2	7V	108	HIS	CA-C	-5.37	1.45	1.52
2	13	35	PHE	CE2-CZ	5.37	1.54	1.38
2	17	35	PHE	CE2-CZ	5.37	1.54	1.38
2	2B	35	PHE	CE2-CZ	5.37	1.54	1.38
2	3R	35	PHE	CE2-CZ	5.37	1.54	1.38
2	3V	35	PHE	CE2-CZ	5.37	1.54	1.38
2	3Z	35	PHE	CE2-CZ	5.37	1.54	1.38
2	5F	35	PHE	CE2-CZ	5.37	1.54	1.38
2	5J	35	PHE	CE2-CZ	5.37	1.54	1.38
2	5N	35	PHE	CE2-CZ	5.37	1.54	1.38
2	63	35	PHE	CE2-CZ	5.37	1.54	1.38
2	67	35	PHE	CE2-CZ	5.37	1.54	1.38
2	7B	35	PHE	CE2-CZ	5.37	1.54	1.38
1	12	150	TYR	CB-CG	5.36	1.63	1.51
1	16	150	TYR	CB-CG	5.36	1.63	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	150	TYR	CB-CG	5.36	1.63	1.51
1	3Q	150	TYR	CB-CG	5.36	1.63	1.51
1	3U	150	TYR	CB-CG	5.36	1.63	1.51
1	3Y	150	TYR	CB-CG	5.36	1.63	1.51
1	5E	150	TYR	CB-CG	5.36	1.63	1.51
1	5I	150	TYR	CB-CG	5.36	1.63	1.51
1	5M	150	TYR	CB-CG	5.36	1.63	1.51
1	62	150	TYR	CB-CG	5.36	1.63	1.51
1	66	150	TYR	CB-CG	5.36	1.63	1.51
1	7A	150	TYR	CB-CG	5.36	1.63	1.51
1	1E	180	VAL	CB-CG1	-5.36	1.34	1.52
1	2M	180	VAL	CB-CG1	-5.36	1.34	1.52
1	22	180	VAL	CB-CG1	-5.36	1.34	1.52
1	3M	180	VAL	CB-CG1	-5.36	1.34	1.52
1	36	180	VAL	CB-CG1	-5.36	1.34	1.52
1	4I	180	VAL	CB-CG1	-5.36	1.34	1.52
1	4Q	180	VAL	CB-CG1	-5.36	1.34	1.52
1	5Y	180	VAL	CB-CG1	-5.36	1.34	1.52
1	6E	180	VAL	CB-CG1	-5.36	1.34	1.52
1	6Y	180	VAL	CB-CG1	-5.36	1.34	1.52
1	7I	180	VAL	CB-CG1	-5.36	1.34	1.52
1	7U	180	VAL	CB-CG1	-5.36	1.34	1.52
2	1B	6	LYS	CG-CD	-5.36	1.36	1.52
2	1F	5	ASN	N-CA	-5.36	1.39	1.45
2	1J	6	LYS	CG-CD	-5.36	1.36	1.52
2	2F	6	LYS	CG-CD	-5.36	1.36	1.52
2	2N	5	ASN	N-CA	-5.36	1.39	1.45
2	23	5	ASN	N-CA	-5.36	1.39	1.45
2	27	6	LYS	CG-CD	-5.36	1.36	1.52
2	3F	6	LYS	CG-CD	-5.36	1.36	1.52
2	3N	5	ASN	N-CA	-5.36	1.39	1.45
2	37	5	ASN	N-CA	-5.36	1.39	1.45
2	4B	6	LYS	CG-CD	-5.36	1.36	1.52
2	4J	5	ASN	N-CA	-5.36	1.39	1.45
2	4N	6	LYS	CG-CD	-5.36	1.36	1.52
2	4R	5	ASN	N-CA	-5.36	1.39	1.45
2	4V	6	LYS	CG-CD	-5.36	1.36	1.52
2	5R	6	LYS	CG-CD	-5.36	1.36	1.52
2	5Z	5	ASN	N-CA	-5.36	1.39	1.45
2	6F	5	ASN	N-CA	-5.36	1.39	1.45
2	6J	6	LYS	CG-CD	-5.36	1.36	1.52
2	6R	6	LYS	CG-CD	-5.36	1.36	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6Z	5	ASN	N-CA	-5.36	1.39	1.45
2	7J	5	ASN	N-CA	-5.36	1.39	1.45
2	7N	6	LYS	CG-CD	-5.36	1.36	1.52
2	7V	5	ASN	N-CA	-5.36	1.39	1.45
2	1F	35	PHE	CE2-CZ	5.36	1.54	1.38
2	2N	35	PHE	CE2-CZ	5.36	1.54	1.38
2	23	35	PHE	CE2-CZ	5.36	1.54	1.38
2	3N	35	PHE	CE2-CZ	5.36	1.54	1.38
2	37	35	PHE	CE2-CZ	5.36	1.54	1.38
2	4J	35	PHE	CE2-CZ	5.36	1.54	1.38
2	4R	35	PHE	CE2-CZ	5.36	1.54	1.38
2	5Z	35	PHE	CE2-CZ	5.36	1.54	1.38
2	6F	35	PHE	CE2-CZ	5.36	1.54	1.38
2	6Z	35	PHE	CE2-CZ	5.36	1.54	1.38
2	7J	35	PHE	CE2-CZ	5.36	1.54	1.38
2	7V	35	PHE	CE2-CZ	5.36	1.54	1.38
1	1M	150	TYR	CB-CG	5.35	1.63	1.51
2	1N	35	PHE	CE2-CZ	5.35	1.54	1.38
1	2I	150	TYR	CB-CG	5.35	1.63	1.51
2	2J	35	PHE	CE2-CZ	5.35	1.54	1.38
1	3A	150	TYR	CB-CG	5.35	1.63	1.51
2	3B	35	PHE	CE2-CZ	5.35	1.54	1.38
1	3I	150	TYR	CB-CG	5.35	1.63	1.51
2	3J	35	PHE	CE2-CZ	5.35	1.54	1.38
1	32	150	TYR	CB-CG	5.35	1.63	1.51
2	33	35	PHE	CE2-CZ	5.35	1.54	1.38
1	4E	150	TYR	CB-CG	5.35	1.63	1.51
2	4F	35	PHE	CE2-CZ	5.35	1.54	1.38
1	4Y	150	TYR	CB-CG	5.35	1.63	1.51
2	4Z	35	PHE	CE2-CZ	5.35	1.54	1.38
1	5U	150	TYR	CB-CG	5.35	1.63	1.51
2	5V	35	PHE	CE2-CZ	5.35	1.54	1.38
1	6M	150	TYR	CB-CG	5.35	1.63	1.51
2	6N	35	PHE	CE2-CZ	5.35	1.54	1.38
1	6U	150	TYR	CB-CG	5.35	1.63	1.51
2	6V	35	PHE	CE2-CZ	5.35	1.54	1.38
1	7E	150	TYR	CB-CG	5.35	1.63	1.51
2	7F	35	PHE	CE2-CZ	5.35	1.54	1.38
1	7Q	150	TYR	CB-CG	5.35	1.63	1.51
2	7R	35	PHE	CE2-CZ	5.35	1.54	1.38
1	1A	150	TYR	CB-CG	5.35	1.63	1.51
1	1I	150	TYR	CB-CG	5.35	1.63	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	150	TYR	CB-CG	5.35	1.63	1.51
1	26	150	TYR	CB-CG	5.35	1.63	1.51
1	3E	150	TYR	CB-CG	5.35	1.63	1.51
1	4A	150	TYR	CB-CG	5.35	1.63	1.51
1	4M	150	TYR	CB-CG	5.35	1.63	1.51
1	4U	150	TYR	CB-CG	5.35	1.63	1.51
1	5Q	150	TYR	CB-CG	5.35	1.63	1.51
1	6I	150	TYR	CB-CG	5.35	1.63	1.51
1	6Q	150	TYR	CB-CG	5.35	1.63	1.51
1	7M	150	TYR	CB-CG	5.35	1.63	1.51
2	1B	35	PHE	CE2-CZ	5.34	1.54	1.38
2	1J	35	PHE	CE2-CZ	5.34	1.54	1.38
2	1N	5	ASN	N-CA	-5.34	1.39	1.45
2	1R	5	ASN	N-CA	-5.34	1.39	1.45
2	1R	35	PHE	CE2-CZ	5.34	1.54	1.38
2	1V	5	ASN	N-CA	-5.34	1.39	1.45
2	1V	35	PHE	CE2-CZ	5.34	1.54	1.38
2	1Z	5	ASN	N-CA	-5.34	1.39	1.45
2	1Z	35	PHE	CE2-CZ	5.34	1.54	1.38
2	2F	35	PHE	CE2-CZ	5.34	1.54	1.38
2	2J	5	ASN	N-CA	-5.34	1.39	1.45
2	2R	5	ASN	N-CA	-5.34	1.39	1.45
2	2R	35	PHE	CE2-CZ	5.34	1.54	1.38
2	2V	5	ASN	N-CA	-5.34	1.39	1.45
2	2V	35	PHE	CE2-CZ	5.34	1.54	1.38
2	2Z	5	ASN	N-CA	-5.34	1.39	1.45
2	2Z	35	PHE	CE2-CZ	5.34	1.54	1.38
2	27	35	PHE	CE2-CZ	5.34	1.54	1.38
2	3B	5	ASN	N-CA	-5.34	1.39	1.45
2	3F	35	PHE	CE2-CZ	5.34	1.54	1.38
2	3J	5	ASN	N-CA	-5.34	1.39	1.45
2	33	5	ASN	N-CA	-5.34	1.39	1.45
2	4B	35	PHE	CE2-CZ	5.34	1.54	1.38
2	4F	5	ASN	N-CA	-5.34	1.39	1.45
2	4N	35	PHE	CE2-CZ	5.34	1.54	1.38
2	4V	35	PHE	CE2-CZ	5.34	1.54	1.38
2	4Z	5	ASN	N-CA	-5.34	1.39	1.45
2	43	5	ASN	N-CA	-5.34	1.39	1.45
2	43	35	PHE	CE2-CZ	5.34	1.54	1.38
2	47	5	ASN	N-CA	-5.34	1.39	1.45
2	47	35	PHE	CE2-CZ	5.34	1.54	1.38
2	5B	5	ASN	N-CA	-5.34	1.39	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5B	35	PHE	CE2-CZ	5.34	1.54	1.38
2	5R	35	PHE	CE2-CZ	5.34	1.54	1.38
2	5V	5	ASN	N-CA	-5.34	1.39	1.45
2	53	5	ASN	N-CA	-5.34	1.39	1.45
2	53	35	PHE	CE2-CZ	5.34	1.54	1.38
2	57	5	ASN	N-CA	-5.34	1.39	1.45
2	57	35	PHE	CE2-CZ	5.34	1.54	1.38
2	6B	5	ASN	N-CA	-5.34	1.39	1.45
2	6B	35	PHE	CE2-CZ	5.34	1.54	1.38
2	6J	35	PHE	CE2-CZ	5.34	1.54	1.38
2	6N	5	ASN	N-CA	-5.34	1.39	1.45
2	6R	35	PHE	CE2-CZ	5.34	1.54	1.38
2	6V	5	ASN	N-CA	-5.34	1.39	1.45
2	7F	5	ASN	N-CA	-5.34	1.39	1.45
2	7N	35	PHE	CE2-CZ	5.34	1.54	1.38
2	7R	5	ASN	N-CA	-5.34	1.39	1.45
2	1F	47	ASP	CA-CB	5.34	1.61	1.53
2	2N	47	ASP	CA-CB	5.34	1.61	1.53
2	23	47	ASP	CA-CB	5.34	1.61	1.53
2	3N	47	ASP	CA-CB	5.34	1.61	1.53
2	37	47	ASP	CA-CB	5.34	1.61	1.53
2	4J	47	ASP	CA-CB	5.34	1.61	1.53
2	4R	47	ASP	CA-CB	5.34	1.61	1.53
2	5Z	47	ASP	CA-CB	5.34	1.61	1.53
2	6F	47	ASP	CA-CB	5.34	1.61	1.53
2	6Z	47	ASP	CA-CB	5.34	1.61	1.53
2	7J	47	ASP	CA-CB	5.34	1.61	1.53
2	7V	47	ASP	CA-CB	5.34	1.61	1.53
2	13	6	LYS	CG-CD	-5.34	1.36	1.52
2	17	6	LYS	CG-CD	-5.34	1.36	1.52
2	2B	6	LYS	CG-CD	-5.34	1.36	1.52
2	3R	6	LYS	CG-CD	-5.34	1.36	1.52
2	3V	6	LYS	CG-CD	-5.34	1.36	1.52
2	3Z	6	LYS	CG-CD	-5.34	1.36	1.52
2	5F	6	LYS	CG-CD	-5.34	1.36	1.52
2	5J	6	LYS	CG-CD	-5.34	1.36	1.52
2	5N	6	LYS	CG-CD	-5.34	1.36	1.52
2	63	6	LYS	CG-CD	-5.34	1.36	1.52
2	67	6	LYS	CG-CD	-5.34	1.36	1.52
2	7B	6	LYS	CG-CD	-5.34	1.36	1.52
2	1N	47	ASP	CA-CB	5.34	1.61	1.53
1	1Q	61	SER	C-N	5.34	1.40	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1U	61	SER	C-N	5.34	1.40	1.33
1	1Y	61	SER	C-N	5.34	1.40	1.33
2	2J	47	ASP	CA-CB	5.34	1.61	1.53
1	2Q	61	SER	C-N	5.34	1.40	1.33
1	2U	61	SER	C-N	5.34	1.40	1.33
1	2Y	61	SER	C-N	5.34	1.40	1.33
2	3B	47	ASP	CA-CB	5.34	1.61	1.53
2	3J	47	ASP	CA-CB	5.34	1.61	1.53
2	33	47	ASP	CA-CB	5.34	1.61	1.53
2	4F	47	ASP	CA-CB	5.34	1.61	1.53
2	4Z	47	ASP	CA-CB	5.34	1.61	1.53
1	42	61	SER	C-N	5.34	1.40	1.33
1	46	61	SER	C-N	5.34	1.40	1.33
1	5A	61	SER	C-N	5.34	1.40	1.33
2	5V	47	ASP	CA-CB	5.34	1.61	1.53
1	52	61	SER	C-N	5.34	1.40	1.33
1	56	61	SER	C-N	5.34	1.40	1.33
1	6A	61	SER	C-N	5.34	1.40	1.33
2	6N	47	ASP	CA-CB	5.34	1.61	1.53
2	6V	47	ASP	CA-CB	5.34	1.61	1.53
2	7F	47	ASP	CA-CB	5.34	1.61	1.53
2	7R	47	ASP	CA-CB	5.34	1.61	1.53
1	12	61	SER	C-N	5.33	1.40	1.33
2	13	218	ARG	C-N	5.33	1.41	1.33
1	16	61	SER	C-N	5.33	1.40	1.33
2	17	218	ARG	C-N	5.33	1.41	1.33
1	2A	61	SER	C-N	5.33	1.40	1.33
2	2B	218	ARG	C-N	5.33	1.41	1.33
1	3Q	61	SER	C-N	5.33	1.40	1.33
2	3R	218	ARG	C-N	5.33	1.41	1.33
1	3U	61	SER	C-N	5.33	1.40	1.33
2	3V	218	ARG	C-N	5.33	1.41	1.33
1	3Y	61	SER	C-N	5.33	1.40	1.33
2	3Z	218	ARG	C-N	5.33	1.41	1.33
1	5E	61	SER	C-N	5.33	1.40	1.33
2	5F	218	ARG	C-N	5.33	1.41	1.33
1	5I	61	SER	C-N	5.33	1.40	1.33
2	5J	218	ARG	C-N	5.33	1.41	1.33
1	5M	61	SER	C-N	5.33	1.40	1.33
2	5N	218	ARG	C-N	5.33	1.41	1.33
1	62	61	SER	C-N	5.33	1.40	1.33
2	63	218	ARG	C-N	5.33	1.41	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	66	61	SER	C-N	5.33	1.40	1.33
2	67	218	ARG	C-N	5.33	1.41	1.33
1	7A	61	SER	C-N	5.33	1.40	1.33
2	7B	218	ARG	C-N	5.33	1.41	1.33
2	1F	6	LYS	CG-CD	-5.33	1.36	1.52
2	2N	6	LYS	CG-CD	-5.33	1.36	1.52
2	23	6	LYS	CG-CD	-5.33	1.36	1.52
2	3N	6	LYS	CG-CD	-5.33	1.36	1.52
2	37	6	LYS	CG-CD	-5.33	1.36	1.52
2	4J	6	LYS	CG-CD	-5.33	1.36	1.52
2	4R	6	LYS	CG-CD	-5.33	1.36	1.52
2	5Z	6	LYS	CG-CD	-5.33	1.36	1.52
2	6F	6	LYS	CG-CD	-5.33	1.36	1.52
2	6Z	6	LYS	CG-CD	-5.33	1.36	1.52
2	7J	6	LYS	CG-CD	-5.33	1.36	1.52
2	7V	6	LYS	CG-CD	-5.33	1.36	1.52
2	13	5	ASN	N-CA	-5.33	1.39	1.45
2	17	5	ASN	N-CA	-5.33	1.39	1.45
2	2B	5	ASN	N-CA	-5.33	1.39	1.45
2	3R	5	ASN	N-CA	-5.33	1.39	1.45
2	3V	5	ASN	N-CA	-5.33	1.39	1.45
2	3Z	5	ASN	N-CA	-5.33	1.39	1.45
2	5F	5	ASN	N-CA	-5.33	1.39	1.45
2	5J	5	ASN	N-CA	-5.33	1.39	1.45
2	5N	5	ASN	N-CA	-5.33	1.39	1.45
2	63	5	ASN	N-CA	-5.33	1.39	1.45
2	67	5	ASN	N-CA	-5.33	1.39	1.45
2	7B	5	ASN	N-CA	-5.33	1.39	1.45
2	1B	5	ASN	N-CA	-5.33	1.39	1.45
2	1J	5	ASN	N-CA	-5.33	1.39	1.45
2	2F	5	ASN	N-CA	-5.33	1.39	1.45
2	27	5	ASN	N-CA	-5.33	1.39	1.45
2	3F	5	ASN	N-CA	-5.33	1.39	1.45
2	4B	5	ASN	N-CA	-5.33	1.39	1.45
2	4N	5	ASN	N-CA	-5.33	1.39	1.45
2	4V	5	ASN	N-CA	-5.33	1.39	1.45
2	5R	5	ASN	N-CA	-5.33	1.39	1.45
2	6J	5	ASN	N-CA	-5.33	1.39	1.45
2	6R	5	ASN	N-CA	-5.33	1.39	1.45
2	7N	5	ASN	N-CA	-5.33	1.39	1.45
1	1A	61	SER	C-N	5.32	1.40	1.33
1	1I	61	SER	C-N	5.32	1.40	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2E	61	SER	C-N	5.32	1.40	1.33
1	26	61	SER	C-N	5.32	1.40	1.33
1	3E	61	SER	C-N	5.32	1.40	1.33
1	4A	61	SER	C-N	5.32	1.40	1.33
1	4M	61	SER	C-N	5.32	1.40	1.33
1	4U	61	SER	C-N	5.32	1.40	1.33
1	5Q	61	SER	C-N	5.32	1.40	1.33
1	6I	61	SER	C-N	5.32	1.40	1.33
1	6Q	61	SER	C-N	5.32	1.40	1.33
1	7M	61	SER	C-N	5.32	1.40	1.33
2	1B	47	ASP	CA-CB	5.32	1.61	1.53
1	1E	61	SER	C-N	5.32	1.40	1.33
2	1J	47	ASP	CA-CB	5.32	1.61	1.53
2	2F	47	ASP	CA-CB	5.32	1.61	1.53
1	2M	61	SER	C-N	5.32	1.40	1.33
1	22	61	SER	C-N	5.32	1.40	1.33
2	27	47	ASP	CA-CB	5.32	1.61	1.53
2	3F	47	ASP	CA-CB	5.32	1.61	1.53
1	3M	61	SER	C-N	5.32	1.40	1.33
1	36	61	SER	C-N	5.32	1.40	1.33
2	4B	47	ASP	CA-CB	5.32	1.61	1.53
1	4I	61	SER	C-N	5.32	1.40	1.33
2	4N	47	ASP	CA-CB	5.32	1.61	1.53
1	4Q	61	SER	C-N	5.32	1.40	1.33
2	4V	47	ASP	CA-CB	5.32	1.61	1.53
2	5R	47	ASP	CA-CB	5.32	1.61	1.53
1	5Y	61	SER	C-N	5.32	1.40	1.33
1	6E	61	SER	C-N	5.32	1.40	1.33
2	6J	47	ASP	CA-CB	5.32	1.61	1.53
2	6R	47	ASP	CA-CB	5.32	1.61	1.53
1	6Y	61	SER	C-N	5.32	1.40	1.33
1	7I	61	SER	C-N	5.32	1.40	1.33
2	7N	47	ASP	CA-CB	5.32	1.61	1.53
1	7U	61	SER	C-N	5.32	1.40	1.33
2	1F	218	ARG	C-N	5.32	1.41	1.33
2	2N	218	ARG	C-N	5.32	1.41	1.33
2	23	218	ARG	C-N	5.32	1.41	1.33
2	3N	218	ARG	C-N	5.32	1.41	1.33
2	37	218	ARG	C-N	5.32	1.41	1.33
2	4J	218	ARG	C-N	5.32	1.41	1.33
2	4R	218	ARG	C-N	5.32	1.41	1.33
2	5Z	218	ARG	C-N	5.32	1.41	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6F	218	ARG	C-N	5.32	1.41	1.33
2	6Z	218	ARG	C-N	5.32	1.41	1.33
2	7J	218	ARG	C-N	5.32	1.41	1.33
2	7V	218	ARG	C-N	5.32	1.41	1.33
1	1Q	150	TYR	CB-CG	5.32	1.63	1.51
1	1U	150	TYR	CB-CG	5.32	1.63	1.51
1	1Y	150	TYR	CB-CG	5.32	1.63	1.51
1	2Q	150	TYR	CB-CG	5.32	1.63	1.51
1	2U	150	TYR	CB-CG	5.32	1.63	1.51
1	2Y	150	TYR	CB-CG	5.32	1.63	1.51
1	42	150	TYR	CB-CG	5.32	1.63	1.51
1	46	150	TYR	CB-CG	5.32	1.63	1.51
1	5A	150	TYR	CB-CG	5.32	1.63	1.51
1	52	150	TYR	CB-CG	5.32	1.63	1.51
1	56	150	TYR	CB-CG	5.32	1.63	1.51
1	6A	150	TYR	CB-CG	5.32	1.63	1.51
2	1R	47	ASP	CA-CB	5.32	1.61	1.53
2	1V	47	ASP	CA-CB	5.32	1.61	1.53
2	1Z	47	ASP	CA-CB	5.32	1.61	1.53
2	2R	47	ASP	CA-CB	5.32	1.61	1.53
2	2V	47	ASP	CA-CB	5.32	1.61	1.53
2	2Z	47	ASP	CA-CB	5.32	1.61	1.53
2	43	47	ASP	CA-CB	5.32	1.61	1.53
2	47	47	ASP	CA-CB	5.32	1.61	1.53
2	5B	47	ASP	CA-CB	5.32	1.61	1.53
2	53	47	ASP	CA-CB	5.32	1.61	1.53
2	57	47	ASP	CA-CB	5.32	1.61	1.53
2	6B	47	ASP	CA-CB	5.32	1.61	1.53
1	1M	61	SER	C-N	5.31	1.40	1.33
1	2I	61	SER	C-N	5.31	1.40	1.33
1	3A	61	SER	C-N	5.31	1.40	1.33
1	3I	61	SER	C-N	5.31	1.40	1.33
1	32	61	SER	C-N	5.31	1.40	1.33
1	4E	61	SER	C-N	5.31	1.40	1.33
1	4Y	61	SER	C-N	5.31	1.40	1.33
1	5U	61	SER	C-N	5.31	1.40	1.33
1	6M	61	SER	C-N	5.31	1.40	1.33
1	6U	61	SER	C-N	5.31	1.40	1.33
1	7E	61	SER	C-N	5.31	1.40	1.33
1	7Q	61	SER	C-N	5.31	1.40	1.33
2	1F	215	GLN	N-CA	-5.31	1.38	1.45
2	2N	215	GLN	N-CA	-5.31	1.38	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	23	215	GLN	N-CA	-5.31	1.38	1.45
2	3N	215	GLN	N-CA	-5.31	1.38	1.45
2	37	215	GLN	N-CA	-5.31	1.38	1.45
2	4J	215	GLN	N-CA	-5.31	1.38	1.45
2	4R	215	GLN	N-CA	-5.31	1.38	1.45
2	5Z	215	GLN	N-CA	-5.31	1.38	1.45
2	6F	215	GLN	N-CA	-5.31	1.38	1.45
2	6Z	215	GLN	N-CA	-5.31	1.38	1.45
2	7J	215	GLN	N-CA	-5.31	1.38	1.45
2	7V	215	GLN	N-CA	-5.31	1.38	1.45
2	1R	218	ARG	C-N	5.31	1.41	1.33
2	1V	218	ARG	C-N	5.31	1.41	1.33
2	1Z	218	ARG	C-N	5.31	1.41	1.33
2	2R	218	ARG	C-N	5.31	1.41	1.33
2	2V	218	ARG	C-N	5.31	1.41	1.33
2	2Z	218	ARG	C-N	5.31	1.41	1.33
2	43	218	ARG	C-N	5.31	1.41	1.33
2	47	218	ARG	C-N	5.31	1.41	1.33
2	5B	218	ARG	C-N	5.31	1.41	1.33
2	53	218	ARG	C-N	5.31	1.41	1.33
2	57	218	ARG	C-N	5.31	1.41	1.33
2	6B	218	ARG	C-N	5.31	1.41	1.33
2	1B	218	ARG	C-N	5.31	1.41	1.33
2	1J	218	ARG	C-N	5.31	1.41	1.33
2	2F	218	ARG	C-N	5.31	1.41	1.33
2	27	218	ARG	C-N	5.31	1.41	1.33
2	3F	218	ARG	C-N	5.31	1.41	1.33
2	4B	218	ARG	C-N	5.31	1.41	1.33
2	4N	218	ARG	C-N	5.31	1.41	1.33
2	4V	218	ARG	C-N	5.31	1.41	1.33
2	5R	218	ARG	C-N	5.31	1.41	1.33
2	6J	218	ARG	C-N	5.31	1.41	1.33
2	6R	218	ARG	C-N	5.31	1.41	1.33
2	7N	218	ARG	C-N	5.31	1.41	1.33
2	13	47	ASP	CA-CB	5.30	1.61	1.53
2	17	47	ASP	CA-CB	5.30	1.61	1.53
2	2B	47	ASP	CA-CB	5.30	1.61	1.53
2	3R	47	ASP	CA-CB	5.30	1.61	1.53
2	3V	47	ASP	CA-CB	5.30	1.61	1.53
2	3Z	47	ASP	CA-CB	5.30	1.61	1.53
2	5F	47	ASP	CA-CB	5.30	1.61	1.53
2	5J	47	ASP	CA-CB	5.30	1.61	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	47	ASP	CA-CB	5.30	1.61	1.53
2	63	47	ASP	CA-CB	5.30	1.61	1.53
2	67	47	ASP	CA-CB	5.30	1.61	1.53
2	7B	47	ASP	CA-CB	5.30	1.61	1.53
1	1A	166	MET	SD-CE	-5.29	1.66	1.79
1	1I	166	MET	SD-CE	-5.29	1.66	1.79
1	2E	166	MET	SD-CE	-5.29	1.66	1.79
1	26	166	MET	SD-CE	-5.29	1.66	1.79
1	3E	166	MET	SD-CE	-5.29	1.66	1.79
1	4A	166	MET	SD-CE	-5.29	1.66	1.79
1	4M	166	MET	SD-CE	-5.29	1.66	1.79
1	4U	166	MET	SD-CE	-5.29	1.66	1.79
1	5Q	166	MET	SD-CE	-5.29	1.66	1.79
1	6I	166	MET	SD-CE	-5.29	1.66	1.79
1	6Q	166	MET	SD-CE	-5.29	1.66	1.79
1	7M	166	MET	SD-CE	-5.29	1.66	1.79
1	12	166	MET	SD-CE	-5.29	1.66	1.79
1	16	166	MET	SD-CE	-5.29	1.66	1.79
1	2A	166	MET	SD-CE	-5.29	1.66	1.79
1	3Q	166	MET	SD-CE	-5.29	1.66	1.79
1	3U	166	MET	SD-CE	-5.29	1.66	1.79
1	3Y	166	MET	SD-CE	-5.29	1.66	1.79
1	5E	166	MET	SD-CE	-5.29	1.66	1.79
1	5I	166	MET	SD-CE	-5.29	1.66	1.79
1	5M	166	MET	SD-CE	-5.29	1.66	1.79
1	62	166	MET	SD-CE	-5.29	1.66	1.79
1	66	166	MET	SD-CE	-5.29	1.66	1.79
1	7A	166	MET	SD-CE	-5.29	1.66	1.79
1	1M	166	MET	SD-CE	-5.28	1.66	1.79
1	2I	166	MET	SD-CE	-5.28	1.66	1.79
1	3A	166	MET	SD-CE	-5.28	1.66	1.79
1	3I	166	MET	SD-CE	-5.28	1.66	1.79
1	32	166	MET	SD-CE	-5.28	1.66	1.79
1	4E	166	MET	SD-CE	-5.28	1.66	1.79
1	4Y	166	MET	SD-CE	-5.28	1.66	1.79
1	5U	166	MET	SD-CE	-5.28	1.66	1.79
1	6M	166	MET	SD-CE	-5.28	1.66	1.79
1	6U	166	MET	SD-CE	-5.28	1.66	1.79
1	7E	166	MET	SD-CE	-5.28	1.66	1.79
1	7Q	166	MET	SD-CE	-5.28	1.66	1.79
2	1N	218	ARG	C-N	5.28	1.41	1.33
1	1Q	166	MET	SD-CE	-5.28	1.66	1.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1U	166	MET	SD-CE	-5.28	1.66	1.79
1	1Y	166	MET	SD-CE	-5.28	1.66	1.79
2	2J	218	ARG	C-N	5.28	1.41	1.33
1	2Q	166	MET	SD-CE	-5.28	1.66	1.79
1	2U	166	MET	SD-CE	-5.28	1.66	1.79
1	2Y	166	MET	SD-CE	-5.28	1.66	1.79
2	3B	218	ARG	C-N	5.28	1.41	1.33
2	3J	218	ARG	C-N	5.28	1.41	1.33
2	33	218	ARG	C-N	5.28	1.41	1.33
2	4F	218	ARG	C-N	5.28	1.41	1.33
2	4Z	218	ARG	C-N	5.28	1.41	1.33
1	42	166	MET	SD-CE	-5.28	1.66	1.79
1	46	166	MET	SD-CE	-5.28	1.66	1.79
1	5A	166	MET	SD-CE	-5.28	1.66	1.79
2	5V	218	ARG	C-N	5.28	1.41	1.33
1	52	166	MET	SD-CE	-5.28	1.66	1.79
1	56	166	MET	SD-CE	-5.28	1.66	1.79
1	6A	166	MET	SD-CE	-5.28	1.66	1.79
2	6N	218	ARG	C-N	5.28	1.41	1.33
2	6V	218	ARG	C-N	5.28	1.41	1.33
2	7F	218	ARG	C-N	5.28	1.41	1.33
2	7R	218	ARG	C-N	5.28	1.41	1.33
2	1N	215	GLN	N-CA	-5.28	1.38	1.45
2	13	215	GLN	N-CA	-5.28	1.38	1.45
2	17	215	GLN	N-CA	-5.28	1.38	1.45
2	2B	215	GLN	N-CA	-5.28	1.38	1.45
2	2J	215	GLN	N-CA	-5.28	1.38	1.45
2	3B	215	GLN	N-CA	-5.28	1.38	1.45
2	3J	215	GLN	N-CA	-5.28	1.38	1.45
2	3R	215	GLN	N-CA	-5.28	1.38	1.45
2	3V	215	GLN	N-CA	-5.28	1.38	1.45
2	3Z	215	GLN	N-CA	-5.28	1.38	1.45
2	33	215	GLN	N-CA	-5.28	1.38	1.45
2	4F	215	GLN	N-CA	-5.28	1.38	1.45
2	4Z	215	GLN	N-CA	-5.28	1.38	1.45
2	5F	215	GLN	N-CA	-5.28	1.38	1.45
2	5J	215	GLN	N-CA	-5.28	1.38	1.45
2	5N	215	GLN	N-CA	-5.28	1.38	1.45
2	5V	215	GLN	N-CA	-5.28	1.38	1.45
2	6N	215	GLN	N-CA	-5.28	1.38	1.45
2	6V	215	GLN	N-CA	-5.28	1.38	1.45
2	63	215	GLN	N-CA	-5.28	1.38	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	67	215	GLN	N-CA	-5.28	1.38	1.45
2	7B	215	GLN	N-CA	-5.28	1.38	1.45
2	7F	215	GLN	N-CA	-5.28	1.38	1.45
2	7R	215	GLN	N-CA	-5.28	1.38	1.45
2	1B	215	GLN	N-CA	-5.27	1.38	1.45
2	1J	215	GLN	N-CA	-5.27	1.38	1.45
2	2F	215	GLN	N-CA	-5.27	1.38	1.45
2	27	215	GLN	N-CA	-5.27	1.38	1.45
2	3F	215	GLN	N-CA	-5.27	1.38	1.45
2	4B	215	GLN	N-CA	-5.27	1.38	1.45
2	4N	215	GLN	N-CA	-5.27	1.38	1.45
2	4V	215	GLN	N-CA	-5.27	1.38	1.45
2	5R	215	GLN	N-CA	-5.27	1.38	1.45
2	6J	215	GLN	N-CA	-5.27	1.38	1.45
2	6R	215	GLN	N-CA	-5.27	1.38	1.45
2	7N	215	GLN	N-CA	-5.27	1.38	1.45
1	1E	166	MET	SD-CE	-5.25	1.66	1.79
2	1R	225	ASN	CA-C	5.25	1.59	1.52
2	1V	225	ASN	CA-C	5.25	1.59	1.52
2	1Z	225	ASN	CA-C	5.25	1.59	1.52
1	2M	166	MET	SD-CE	-5.25	1.66	1.79
2	2R	225	ASN	CA-C	5.25	1.59	1.52
2	2V	225	ASN	CA-C	5.25	1.59	1.52
2	2Z	225	ASN	CA-C	5.25	1.59	1.52
1	22	166	MET	SD-CE	-5.25	1.66	1.79
1	3M	166	MET	SD-CE	-5.25	1.66	1.79
1	36	166	MET	SD-CE	-5.25	1.66	1.79
1	4I	166	MET	SD-CE	-5.25	1.66	1.79
1	4Q	166	MET	SD-CE	-5.25	1.66	1.79
2	43	225	ASN	CA-C	5.25	1.59	1.52
2	47	225	ASN	CA-C	5.25	1.59	1.52
2	5B	225	ASN	CA-C	5.25	1.59	1.52
1	5Y	166	MET	SD-CE	-5.25	1.66	1.79
2	53	225	ASN	CA-C	5.25	1.59	1.52
2	57	225	ASN	CA-C	5.25	1.59	1.52
2	6B	225	ASN	CA-C	5.25	1.59	1.52
1	6E	166	MET	SD-CE	-5.25	1.66	1.79
1	6Y	166	MET	SD-CE	-5.25	1.66	1.79
1	7I	166	MET	SD-CE	-5.25	1.66	1.79
1	7U	166	MET	SD-CE	-5.25	1.66	1.79
2	1B	215	GLN	CA-CB	5.23	1.62	1.54
2	1F	225	ASN	CA-C	5.23	1.59	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1J	215	GLN	CA-CB	5.23	1.62	1.54
2	2F	215	GLN	CA-CB	5.23	1.62	1.54
2	2N	225	ASN	CA-C	5.23	1.59	1.52
2	23	225	ASN	CA-C	5.23	1.59	1.52
2	27	215	GLN	CA-CB	5.23	1.62	1.54
2	3F	215	GLN	CA-CB	5.23	1.62	1.54
2	3N	225	ASN	CA-C	5.23	1.59	1.52
2	37	225	ASN	CA-C	5.23	1.59	1.52
2	4B	215	GLN	CA-CB	5.23	1.62	1.54
2	4J	225	ASN	CA-C	5.23	1.59	1.52
2	4N	215	GLN	CA-CB	5.23	1.62	1.54
2	4R	225	ASN	CA-C	5.23	1.59	1.52
2	4V	215	GLN	CA-CB	5.23	1.62	1.54
2	5R	215	GLN	CA-CB	5.23	1.62	1.54
2	5Z	225	ASN	CA-C	5.23	1.59	1.52
2	6F	225	ASN	CA-C	5.23	1.59	1.52
2	6J	215	GLN	CA-CB	5.23	1.62	1.54
2	6R	215	GLN	CA-CB	5.23	1.62	1.54
2	6Z	225	ASN	CA-C	5.23	1.59	1.52
2	7J	225	ASN	CA-C	5.23	1.59	1.52
2	7N	215	GLN	CA-CB	5.23	1.62	1.54
2	7V	225	ASN	CA-C	5.23	1.59	1.52
2	1R	215	GLN	N-CA	-5.22	1.38	1.45
2	1V	215	GLN	N-CA	-5.22	1.38	1.45
2	1Z	215	GLN	N-CA	-5.22	1.38	1.45
2	2R	215	GLN	N-CA	-5.22	1.38	1.45
2	2V	215	GLN	N-CA	-5.22	1.38	1.45
2	2Z	215	GLN	N-CA	-5.22	1.38	1.45
2	43	215	GLN	N-CA	-5.22	1.38	1.45
2	47	215	GLN	N-CA	-5.22	1.38	1.45
2	5B	215	GLN	N-CA	-5.22	1.38	1.45
2	53	215	GLN	N-CA	-5.22	1.38	1.45
2	57	215	GLN	N-CA	-5.22	1.38	1.45
2	6B	215	GLN	N-CA	-5.22	1.38	1.45
2	1N	215	GLN	CA-CB	5.21	1.62	1.54
2	2J	215	GLN	CA-CB	5.21	1.62	1.54
2	3B	215	GLN	CA-CB	5.21	1.62	1.54
2	3J	215	GLN	CA-CB	5.21	1.62	1.54
2	33	215	GLN	CA-CB	5.21	1.62	1.54
2	4F	215	GLN	CA-CB	5.21	1.62	1.54
2	4Z	215	GLN	CA-CB	5.21	1.62	1.54
2	5V	215	GLN	CA-CB	5.21	1.62	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6N	215	GLN	CA-CB	5.21	1.62	1.54
2	6V	215	GLN	CA-CB	5.21	1.62	1.54
2	7F	215	GLN	CA-CB	5.21	1.62	1.54
2	7R	215	GLN	CA-CB	5.21	1.62	1.54
2	1R	215	GLN	CA-CB	5.21	1.62	1.54
2	1V	215	GLN	CA-CB	5.21	1.62	1.54
2	1Z	215	GLN	CA-CB	5.21	1.62	1.54
2	2R	215	GLN	CA-CB	5.21	1.62	1.54
2	2V	215	GLN	CA-CB	5.21	1.62	1.54
2	2Z	215	GLN	CA-CB	5.21	1.62	1.54
2	43	215	GLN	CA-CB	5.21	1.62	1.54
2	47	215	GLN	CA-CB	5.21	1.62	1.54
2	5B	215	GLN	CA-CB	5.21	1.62	1.54
2	53	215	GLN	CA-CB	5.21	1.62	1.54
2	57	215	GLN	CA-CB	5.21	1.62	1.54
2	6B	215	GLN	CA-CB	5.21	1.62	1.54
2	1B	225	ASN	CA-C	5.21	1.59	1.52
2	1J	225	ASN	CA-C	5.21	1.59	1.52
2	2F	225	ASN	CA-C	5.21	1.59	1.52
2	27	225	ASN	CA-C	5.21	1.59	1.52
2	3F	225	ASN	CA-C	5.21	1.59	1.52
2	4B	225	ASN	CA-C	5.21	1.59	1.52
2	4N	225	ASN	CA-C	5.21	1.59	1.52
2	4V	225	ASN	CA-C	5.21	1.59	1.52
2	5R	225	ASN	CA-C	5.21	1.59	1.52
2	6J	225	ASN	CA-C	5.21	1.59	1.52
2	6R	225	ASN	CA-C	5.21	1.59	1.52
2	7N	225	ASN	CA-C	5.21	1.59	1.52
3	1C	30	HIS	CE1-NE2	5.20	1.37	1.32
3	1K	30	HIS	CE1-NE2	5.20	1.37	1.32
2	13	215	GLN	CA-CB	5.20	1.61	1.54
2	17	215	GLN	CA-CB	5.20	1.61	1.54
2	2B	215	GLN	CA-CB	5.20	1.61	1.54
3	2G	30	HIS	CE1-NE2	5.20	1.37	1.32
3	28	30	HIS	CE1-NE2	5.20	1.37	1.32
3	3G	30	HIS	CE1-NE2	5.20	1.37	1.32
2	3R	215	GLN	CA-CB	5.20	1.61	1.54
2	3V	215	GLN	CA-CB	5.20	1.61	1.54
2	3Z	215	GLN	CA-CB	5.20	1.61	1.54
3	4C	30	HIS	CE1-NE2	5.20	1.37	1.32
3	4O	30	HIS	CE1-NE2	5.20	1.37	1.32
3	4W	30	HIS	CE1-NE2	5.20	1.37	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5F	215	GLN	CA-CB	5.20	1.61	1.54
2	5J	215	GLN	CA-CB	5.20	1.61	1.54
2	5N	215	GLN	CA-CB	5.20	1.61	1.54
3	5S	30	HIS	CE1-NE2	5.20	1.37	1.32
3	6K	30	HIS	CE1-NE2	5.20	1.37	1.32
3	6S	30	HIS	CE1-NE2	5.20	1.37	1.32
2	63	215	GLN	CA-CB	5.20	1.61	1.54
2	67	215	GLN	CA-CB	5.20	1.61	1.54
2	7B	215	GLN	CA-CB	5.20	1.61	1.54
3	7O	30	HIS	CE1-NE2	5.20	1.37	1.32
2	1F	215	GLN	CA-CB	5.19	1.61	1.54
2	2N	215	GLN	CA-CB	5.19	1.61	1.54
2	23	215	GLN	CA-CB	5.19	1.61	1.54
2	3N	215	GLN	CA-CB	5.19	1.61	1.54
2	37	215	GLN	CA-CB	5.19	1.61	1.54
2	4J	215	GLN	CA-CB	5.19	1.61	1.54
2	4R	215	GLN	CA-CB	5.19	1.61	1.54
2	5Z	215	GLN	CA-CB	5.19	1.61	1.54
2	6F	215	GLN	CA-CB	5.19	1.61	1.54
2	6Z	215	GLN	CA-CB	5.19	1.61	1.54
2	7J	215	GLN	CA-CB	5.19	1.61	1.54
2	7V	215	GLN	CA-CB	5.19	1.61	1.54
1	1E	29	TYR	CD1-CE1	5.19	1.54	1.38
2	1N	22	GLN	CD-OE1	5.19	1.33	1.23
2	2J	22	GLN	CD-OE1	5.19	1.33	1.23
1	2M	29	TYR	CD1-CE1	5.19	1.54	1.38
1	22	29	TYR	CD1-CE1	5.19	1.54	1.38
2	3B	22	GLN	CD-OE1	5.19	1.33	1.23
2	3J	22	GLN	CD-OE1	5.19	1.33	1.23
1	3M	29	TYR	CD1-CE1	5.19	1.54	1.38
2	33	22	GLN	CD-OE1	5.19	1.33	1.23
1	36	29	TYR	CD1-CE1	5.19	1.54	1.38
2	4F	22	GLN	CD-OE1	5.19	1.33	1.23
1	4I	29	TYR	CD1-CE1	5.19	1.54	1.38
1	4Q	29	TYR	CD1-CE1	5.19	1.54	1.38
2	4Z	22	GLN	CD-OE1	5.19	1.33	1.23
2	5V	22	GLN	CD-OE1	5.19	1.33	1.23
1	5Y	29	TYR	CD1-CE1	5.19	1.54	1.38
1	6E	29	TYR	CD1-CE1	5.19	1.54	1.38
2	6N	22	GLN	CD-OE1	5.19	1.33	1.23
2	6V	22	GLN	CD-OE1	5.19	1.33	1.23
1	6Y	29	TYR	CD1-CE1	5.19	1.54	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	7F	22	GLN	CD-OE1	5.19	1.33	1.23
1	7I	29	TYR	CD1-CE1	5.19	1.54	1.38
2	7R	22	GLN	CD-OE1	5.19	1.33	1.23
1	7U	29	TYR	CD1-CE1	5.19	1.54	1.38
2	1B	22	GLN	CD-OE1	5.18	1.33	1.23
2	1J	22	GLN	CD-OE1	5.18	1.33	1.23
2	2F	22	GLN	CD-OE1	5.18	1.33	1.23
2	27	22	GLN	CD-OE1	5.18	1.33	1.23
2	3F	22	GLN	CD-OE1	5.18	1.33	1.23
2	4B	22	GLN	CD-OE1	5.18	1.33	1.23
2	4N	22	GLN	CD-OE1	5.18	1.33	1.23
2	4V	22	GLN	CD-OE1	5.18	1.33	1.23
2	5R	22	GLN	CD-OE1	5.18	1.33	1.23
2	6J	22	GLN	CD-OE1	5.18	1.33	1.23
2	6R	22	GLN	CD-OE1	5.18	1.33	1.23
2	7N	22	GLN	CD-OE1	5.18	1.33	1.23
1	12	29	TYR	CD1-CE1	5.18	1.54	1.38
1	16	29	TYR	CD1-CE1	5.18	1.54	1.38
1	2A	29	TYR	CD1-CE1	5.18	1.54	1.38
1	3Q	29	TYR	CD1-CE1	5.18	1.54	1.38
1	3U	29	TYR	CD1-CE1	5.18	1.54	1.38
1	3Y	29	TYR	CD1-CE1	5.18	1.54	1.38
1	5E	29	TYR	CD1-CE1	5.18	1.54	1.38
1	5I	29	TYR	CD1-CE1	5.18	1.54	1.38
1	5M	29	TYR	CD1-CE1	5.18	1.54	1.38
1	62	29	TYR	CD1-CE1	5.18	1.54	1.38
1	66	29	TYR	CD1-CE1	5.18	1.54	1.38
1	7A	29	TYR	CD1-CE1	5.18	1.54	1.38
3	1G	30	HIS	CE1-NE2	5.17	1.37	1.32
1	1M	29	TYR	CD1-CE1	5.17	1.54	1.38
1	2I	29	TYR	CD1-CE1	5.17	1.54	1.38
3	2O	30	HIS	CE1-NE2	5.17	1.37	1.32
3	24	30	HIS	CE1-NE2	5.17	1.37	1.32
1	3A	29	TYR	CD1-CE1	5.17	1.54	1.38
1	3I	29	TYR	CD1-CE1	5.17	1.54	1.38
3	3O	30	HIS	CE1-NE2	5.17	1.37	1.32
1	32	29	TYR	CD1-CE1	5.17	1.54	1.38
3	38	30	HIS	CE1-NE2	5.17	1.37	1.32
1	4E	29	TYR	CD1-CE1	5.17	1.54	1.38
3	4K	30	HIS	CE1-NE2	5.17	1.37	1.32
3	4S	30	HIS	CE1-NE2	5.17	1.37	1.32
1	4Y	29	TYR	CD1-CE1	5.17	1.54	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5U	29	TYR	CD1-CE1	5.17	1.54	1.38
3	50	30	HIS	CE1-NE2	5.17	1.37	1.32
3	6G	30	HIS	CE1-NE2	5.17	1.37	1.32
1	6M	29	TYR	CD1-CE1	5.17	1.54	1.38
1	6U	29	TYR	CD1-CE1	5.17	1.54	1.38
3	60	30	HIS	CE1-NE2	5.17	1.37	1.32
1	7E	29	TYR	CD1-CE1	5.17	1.54	1.38
3	7K	30	HIS	CE1-NE2	5.17	1.37	1.32
1	7Q	29	TYR	CD1-CE1	5.17	1.54	1.38
3	7W	30	HIS	CE1-NE2	5.17	1.37	1.32
1	1Q	29	TYR	CD1-CE1	5.17	1.54	1.38
1	1U	29	TYR	CD1-CE1	5.17	1.54	1.38
1	1Y	29	TYR	CD1-CE1	5.17	1.54	1.38
1	2Q	29	TYR	CD1-CE1	5.17	1.54	1.38
1	2U	29	TYR	CD1-CE1	5.17	1.54	1.38
1	2Y	29	TYR	CD1-CE1	5.17	1.54	1.38
1	42	29	TYR	CD1-CE1	5.17	1.54	1.38
1	46	29	TYR	CD1-CE1	5.17	1.54	1.38
1	5A	29	TYR	CD1-CE1	5.17	1.54	1.38
1	52	29	TYR	CD1-CE1	5.17	1.54	1.38
1	56	29	TYR	CD1-CE1	5.17	1.54	1.38
1	6A	29	TYR	CD1-CE1	5.17	1.54	1.38
1	1A	29	TYR	CD1-CE1	5.17	1.54	1.38
1	1I	29	TYR	CD1-CE1	5.17	1.54	1.38
1	2E	29	TYR	CD1-CE1	5.17	1.54	1.38
1	26	29	TYR	CD1-CE1	5.17	1.54	1.38
1	3E	29	TYR	CD1-CE1	5.17	1.54	1.38
1	4A	29	TYR	CD1-CE1	5.17	1.54	1.38
1	4M	29	TYR	CD1-CE1	5.17	1.54	1.38
1	4U	29	TYR	CD1-CE1	5.17	1.54	1.38
1	5Q	29	TYR	CD1-CE1	5.17	1.54	1.38
1	6I	29	TYR	CD1-CE1	5.17	1.54	1.38
1	6Q	29	TYR	CD1-CE1	5.17	1.54	1.38
1	7M	29	TYR	CD1-CE1	5.17	1.54	1.38
2	13	22	GLN	CD-OE1	5.17	1.33	1.23
2	17	22	GLN	CD-OE1	5.17	1.33	1.23
2	2B	22	GLN	CD-OE1	5.17	1.33	1.23
2	3R	22	GLN	CD-OE1	5.17	1.33	1.23
2	3V	22	GLN	CD-OE1	5.17	1.33	1.23
2	3Z	22	GLN	CD-OE1	5.17	1.33	1.23
2	5F	22	GLN	CD-OE1	5.17	1.33	1.23
2	5J	22	GLN	CD-OE1	5.17	1.33	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	22	GLN	CD-OE1	5.17	1.33	1.23
2	63	22	GLN	CD-OE1	5.17	1.33	1.23
2	67	22	GLN	CD-OE1	5.17	1.33	1.23
2	7B	22	GLN	CD-OE1	5.17	1.33	1.23
3	14	30	HIS	CE1-NE2	5.17	1.37	1.32
3	18	30	HIS	CE1-NE2	5.17	1.37	1.32
3	2C	30	HIS	CE1-NE2	5.17	1.37	1.32
3	3S	30	HIS	CE1-NE2	5.17	1.37	1.32
3	3W	30	HIS	CE1-NE2	5.17	1.37	1.32
3	30	30	HIS	CE1-NE2	5.17	1.37	1.32
3	5G	30	HIS	CE1-NE2	5.17	1.37	1.32
3	5K	30	HIS	CE1-NE2	5.17	1.37	1.32
3	5O	30	HIS	CE1-NE2	5.17	1.37	1.32
3	64	30	HIS	CE1-NE2	5.17	1.37	1.32
3	68	30	HIS	CE1-NE2	5.17	1.37	1.32
3	7C	30	HIS	CE1-NE2	5.17	1.37	1.32
1	1Q	7	GLN	CD-OE1	-5.16	1.13	1.23
1	1U	7	GLN	CD-OE1	-5.16	1.13	1.23
1	1Y	7	GLN	CD-OE1	-5.16	1.13	1.23
1	2Q	7	GLN	CD-OE1	-5.16	1.13	1.23
1	2U	7	GLN	CD-OE1	-5.16	1.13	1.23
1	2Y	7	GLN	CD-OE1	-5.16	1.13	1.23
1	42	7	GLN	CD-OE1	-5.16	1.13	1.23
1	46	7	GLN	CD-OE1	-5.16	1.13	1.23
1	5A	7	GLN	CD-OE1	-5.16	1.13	1.23
1	52	7	GLN	CD-OE1	-5.16	1.13	1.23
1	56	7	GLN	CD-OE1	-5.16	1.13	1.23
1	6A	7	GLN	CD-OE1	-5.16	1.13	1.23
2	1F	2	GLU	CG-CD	-5.16	1.39	1.52
2	1N	225	ASN	CA-C	5.16	1.59	1.52
2	1R	22	GLN	CD-OE1	5.16	1.33	1.23
2	1V	22	GLN	CD-OE1	5.16	1.33	1.23
2	1Z	22	GLN	CD-OE1	5.16	1.33	1.23
2	2J	225	ASN	CA-C	5.16	1.59	1.52
2	2N	2	GLU	CG-CD	-5.16	1.39	1.52
2	2R	22	GLN	CD-OE1	5.16	1.33	1.23
2	2V	22	GLN	CD-OE1	5.16	1.33	1.23
2	2Z	22	GLN	CD-OE1	5.16	1.33	1.23
2	23	2	GLU	CG-CD	-5.16	1.39	1.52
2	3B	225	ASN	CA-C	5.16	1.59	1.52
2	3J	225	ASN	CA-C	5.16	1.59	1.52
2	3N	2	GLU	CG-CD	-5.16	1.39	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	33	225	ASN	CA-C	5.16	1.59	1.52
2	37	2	GLU	CG-CD	-5.16	1.39	1.52
2	4F	225	ASN	CA-C	5.16	1.59	1.52
2	4J	2	GLU	CG-CD	-5.16	1.39	1.52
2	4R	2	GLU	CG-CD	-5.16	1.39	1.52
2	4Z	225	ASN	CA-C	5.16	1.59	1.52
2	43	22	GLN	CD-OE1	5.16	1.33	1.23
2	47	22	GLN	CD-OE1	5.16	1.33	1.23
2	5B	22	GLN	CD-OE1	5.16	1.33	1.23
2	5V	225	ASN	CA-C	5.16	1.59	1.52
2	5Z	2	GLU	CG-CD	-5.16	1.39	1.52
2	53	22	GLN	CD-OE1	5.16	1.33	1.23
2	57	22	GLN	CD-OE1	5.16	1.33	1.23
2	6B	22	GLN	CD-OE1	5.16	1.33	1.23
2	6F	2	GLU	CG-CD	-5.16	1.39	1.52
2	6N	225	ASN	CA-C	5.16	1.59	1.52
2	6V	225	ASN	CA-C	5.16	1.59	1.52
2	6Z	2	GLU	CG-CD	-5.16	1.39	1.52
2	7F	225	ASN	CA-C	5.16	1.59	1.52
2	7J	2	GLU	CG-CD	-5.16	1.39	1.52
2	7R	225	ASN	CA-C	5.16	1.59	1.52
2	7V	2	GLU	CG-CD	-5.16	1.39	1.52
1	1A	7	GLN	CD-OE1	-5.16	1.13	1.23
1	1I	7	GLN	CD-OE1	-5.16	1.13	1.23
3	1S	30	HIS	CE1-NE2	5.16	1.37	1.32
3	1W	30	HIS	CE1-NE2	5.16	1.37	1.32
3	10	30	HIS	CE1-NE2	5.16	1.37	1.32
1	2E	7	GLN	CD-OE1	-5.16	1.13	1.23
3	2S	30	HIS	CE1-NE2	5.16	1.37	1.32
3	2W	30	HIS	CE1-NE2	5.16	1.37	1.32
3	20	30	HIS	CE1-NE2	5.16	1.37	1.32
1	26	7	GLN	CD-OE1	-5.16	1.13	1.23
1	3E	7	GLN	CD-OE1	-5.16	1.13	1.23
1	4A	7	GLN	CD-OE1	-5.16	1.13	1.23
1	4M	7	GLN	CD-OE1	-5.16	1.13	1.23
1	4U	7	GLN	CD-OE1	-5.16	1.13	1.23
3	44	30	HIS	CE1-NE2	5.16	1.37	1.32
3	48	30	HIS	CE1-NE2	5.16	1.37	1.32
3	5C	30	HIS	CE1-NE2	5.16	1.37	1.32
1	5Q	7	GLN	CD-OE1	-5.16	1.13	1.23
3	54	30	HIS	CE1-NE2	5.16	1.37	1.32
3	58	30	HIS	CE1-NE2	5.16	1.37	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	6C	30	HIS	CE1-NE2	5.16	1.37	1.32
1	6I	7	GLN	CD-OE1	-5.16	1.13	1.23
1	6Q	7	GLN	CD-OE1	-5.16	1.13	1.23
1	7M	7	GLN	CD-OE1	-5.16	1.13	1.23
2	1F	22	GLN	CD-OE1	5.15	1.33	1.23
2	13	2	GLU	CG-CD	-5.15	1.39	1.52
2	17	2	GLU	CG-CD	-5.15	1.39	1.52
2	2B	2	GLU	CG-CD	-5.15	1.39	1.52
2	2N	22	GLN	CD-OE1	5.15	1.33	1.23
2	23	22	GLN	CD-OE1	5.15	1.33	1.23
2	3N	22	GLN	CD-OE1	5.15	1.33	1.23
2	3R	2	GLU	CG-CD	-5.15	1.39	1.52
2	3V	2	GLU	CG-CD	-5.15	1.39	1.52
2	3Z	2	GLU	CG-CD	-5.15	1.39	1.52
2	37	22	GLN	CD-OE1	5.15	1.33	1.23
2	4J	22	GLN	CD-OE1	5.15	1.33	1.23
2	4R	22	GLN	CD-OE1	5.15	1.33	1.23
2	5F	2	GLU	CG-CD	-5.15	1.39	1.52
2	5J	2	GLU	CG-CD	-5.15	1.39	1.52
2	5N	2	GLU	CG-CD	-5.15	1.39	1.52
2	5Z	22	GLN	CD-OE1	5.15	1.33	1.23
2	6F	22	GLN	CD-OE1	5.15	1.33	1.23
2	6Z	22	GLN	CD-OE1	5.15	1.33	1.23
2	63	2	GLU	CG-CD	-5.15	1.39	1.52
2	67	2	GLU	CG-CD	-5.15	1.39	1.52
2	7B	2	GLU	CG-CD	-5.15	1.39	1.52
2	7J	22	GLN	CD-OE1	5.15	1.33	1.23
2	7V	22	GLN	CD-OE1	5.15	1.33	1.23
1	1E	7	GLN	CD-OE1	-5.15	1.13	1.23
1	1M	7	GLN	CD-OE1	-5.15	1.13	1.23
1	2I	7	GLN	CD-OE1	-5.15	1.13	1.23
1	2M	7	GLN	CD-OE1	-5.15	1.13	1.23
1	22	7	GLN	CD-OE1	-5.15	1.13	1.23
1	3A	7	GLN	CD-OE1	-5.15	1.13	1.23
1	3I	7	GLN	CD-OE1	-5.15	1.13	1.23
1	3M	7	GLN	CD-OE1	-5.15	1.13	1.23
1	32	7	GLN	CD-OE1	-5.15	1.13	1.23
1	36	7	GLN	CD-OE1	-5.15	1.13	1.23
1	4E	7	GLN	CD-OE1	-5.15	1.13	1.23
1	4I	7	GLN	CD-OE1	-5.15	1.13	1.23
1	4Q	7	GLN	CD-OE1	-5.15	1.13	1.23
1	4Y	7	GLN	CD-OE1	-5.15	1.13	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5U	7	GLN	CD-OE1	-5.15	1.13	1.23
1	5Y	7	GLN	CD-OE1	-5.15	1.13	1.23
1	6E	7	GLN	CD-OE1	-5.15	1.13	1.23
1	6M	7	GLN	CD-OE1	-5.15	1.13	1.23
1	6U	7	GLN	CD-OE1	-5.15	1.13	1.23
1	6Y	7	GLN	CD-OE1	-5.15	1.13	1.23
1	7E	7	GLN	CD-OE1	-5.15	1.13	1.23
1	7I	7	GLN	CD-OE1	-5.15	1.13	1.23
1	7Q	7	GLN	CD-OE1	-5.15	1.13	1.23
1	7U	7	GLN	CD-OE1	-5.15	1.13	1.23
2	1B	2	GLU	CG-CD	-5.15	1.39	1.52
2	1J	2	GLU	CG-CD	-5.15	1.39	1.52
2	2F	2	GLU	CG-CD	-5.15	1.39	1.52
2	27	2	GLU	CG-CD	-5.15	1.39	1.52
2	3F	2	GLU	CG-CD	-5.15	1.39	1.52
2	4B	2	GLU	CG-CD	-5.15	1.39	1.52
2	4N	2	GLU	CG-CD	-5.15	1.39	1.52
2	4V	2	GLU	CG-CD	-5.15	1.39	1.52
2	5R	2	GLU	CG-CD	-5.15	1.39	1.52
2	6J	2	GLU	CG-CD	-5.15	1.39	1.52
2	6R	2	GLU	CG-CD	-5.15	1.39	1.52
2	7N	2	GLU	CG-CD	-5.15	1.39	1.52
3	1O	30	HIS	CE1-NE2	5.15	1.37	1.32
3	2K	30	HIS	CE1-NE2	5.15	1.37	1.32
3	3C	30	HIS	CE1-NE2	5.15	1.37	1.32
3	3K	30	HIS	CE1-NE2	5.15	1.37	1.32
3	34	30	HIS	CE1-NE2	5.15	1.37	1.32
3	4G	30	HIS	CE1-NE2	5.15	1.37	1.32
3	40	30	HIS	CE1-NE2	5.15	1.37	1.32
3	5W	30	HIS	CE1-NE2	5.15	1.37	1.32
3	6O	30	HIS	CE1-NE2	5.15	1.37	1.32
3	6W	30	HIS	CE1-NE2	5.15	1.37	1.32
3	7G	30	HIS	CE1-NE2	5.15	1.37	1.32
3	7S	30	HIS	CE1-NE2	5.15	1.37	1.32
1	12	7	GLN	CD-OE1	-5.15	1.13	1.23
1	16	7	GLN	CD-OE1	-5.15	1.13	1.23
1	2A	7	GLN	CD-OE1	-5.15	1.13	1.23
1	3Q	7	GLN	CD-OE1	-5.15	1.13	1.23
1	3U	7	GLN	CD-OE1	-5.15	1.13	1.23
1	3Y	7	GLN	CD-OE1	-5.15	1.13	1.23
1	5E	7	GLN	CD-OE1	-5.15	1.13	1.23
1	5I	7	GLN	CD-OE1	-5.15	1.13	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5M	7	GLN	CD-OE1	-5.15	1.13	1.23
1	62	7	GLN	CD-OE1	-5.15	1.13	1.23
1	66	7	GLN	CD-OE1	-5.15	1.13	1.23
1	7A	7	GLN	CD-OE1	-5.15	1.13	1.23
2	13	225	ASN	CA-C	5.14	1.59	1.52
2	17	225	ASN	CA-C	5.14	1.59	1.52
2	2B	225	ASN	CA-C	5.14	1.59	1.52
2	3R	225	ASN	CA-C	5.14	1.59	1.52
2	3V	225	ASN	CA-C	5.14	1.59	1.52
2	3Z	225	ASN	CA-C	5.14	1.59	1.52
2	5F	225	ASN	CA-C	5.14	1.59	1.52
2	5J	225	ASN	CA-C	5.14	1.59	1.52
2	5N	225	ASN	CA-C	5.14	1.59	1.52
2	63	225	ASN	CA-C	5.14	1.59	1.52
2	67	225	ASN	CA-C	5.14	1.59	1.52
2	7B	225	ASN	CA-C	5.14	1.59	1.52
2	1R	2	GLU	CG-CD	-5.14	1.39	1.52
2	1V	2	GLU	CG-CD	-5.14	1.39	1.52
2	1Z	2	GLU	CG-CD	-5.14	1.39	1.52
2	2R	2	GLU	CG-CD	-5.14	1.39	1.52
2	2V	2	GLU	CG-CD	-5.14	1.39	1.52
2	2Z	2	GLU	CG-CD	-5.14	1.39	1.52
2	43	2	GLU	CG-CD	-5.14	1.39	1.52
2	47	2	GLU	CG-CD	-5.14	1.39	1.52
2	5B	2	GLU	CG-CD	-5.14	1.39	1.52
2	53	2	GLU	CG-CD	-5.14	1.39	1.52
2	57	2	GLU	CG-CD	-5.14	1.39	1.52
2	6B	2	GLU	CG-CD	-5.14	1.39	1.52
2	1N	2	GLU	CG-CD	-5.14	1.39	1.52
2	1R	6	LYS	CA-CB	-5.14	1.44	1.53
2	1V	6	LYS	CA-CB	-5.14	1.44	1.53
2	1Z	6	LYS	CA-CB	-5.14	1.44	1.53
2	2J	2	GLU	CG-CD	-5.14	1.39	1.52
2	2R	6	LYS	CA-CB	-5.14	1.44	1.53
2	2V	6	LYS	CA-CB	-5.14	1.44	1.53
2	2Z	6	LYS	CA-CB	-5.14	1.44	1.53
2	3B	2	GLU	CG-CD	-5.14	1.39	1.52
2	3J	2	GLU	CG-CD	-5.14	1.39	1.52
2	33	2	GLU	CG-CD	-5.14	1.39	1.52
2	4F	2	GLU	CG-CD	-5.14	1.39	1.52
2	4Z	2	GLU	CG-CD	-5.14	1.39	1.52
2	43	6	LYS	CA-CB	-5.14	1.44	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	47	6	LYS	CA-CB	-5.14	1.44	1.53
2	5B	6	LYS	CA-CB	-5.14	1.44	1.53
2	5V	2	GLU	CG-CD	-5.14	1.39	1.52
2	53	6	LYS	CA-CB	-5.14	1.44	1.53
2	57	6	LYS	CA-CB	-5.14	1.44	1.53
2	6B	6	LYS	CA-CB	-5.14	1.44	1.53
2	6N	2	GLU	CG-CD	-5.14	1.39	1.52
2	6V	2	GLU	CG-CD	-5.14	1.39	1.52
2	7F	2	GLU	CG-CD	-5.14	1.39	1.52
2	7R	2	GLU	CG-CD	-5.14	1.39	1.52
2	1N	6	LYS	CA-CB	-5.13	1.44	1.53
2	2J	6	LYS	CA-CB	-5.13	1.44	1.53
2	3B	6	LYS	CA-CB	-5.13	1.44	1.53
2	3J	6	LYS	CA-CB	-5.13	1.44	1.53
2	33	6	LYS	CA-CB	-5.13	1.44	1.53
2	4F	6	LYS	CA-CB	-5.13	1.44	1.53
2	4Z	6	LYS	CA-CB	-5.13	1.44	1.53
2	5V	6	LYS	CA-CB	-5.13	1.44	1.53
2	6N	6	LYS	CA-CB	-5.13	1.44	1.53
2	6V	6	LYS	CA-CB	-5.13	1.44	1.53
2	7F	6	LYS	CA-CB	-5.13	1.44	1.53
2	7R	6	LYS	CA-CB	-5.13	1.44	1.53
4	1D	104	HIS	CE1-NE2	5.13	1.37	1.32
4	1L	104	HIS	CE1-NE2	5.13	1.37	1.32
4	2H	104	HIS	CE1-NE2	5.13	1.37	1.32
4	29	104	HIS	CE1-NE2	5.13	1.37	1.32
4	3H	104	HIS	CE1-NE2	5.13	1.37	1.32
4	4D	104	HIS	CE1-NE2	5.13	1.37	1.32
4	4P	104	HIS	CE1-NE2	5.13	1.37	1.32
4	4X	104	HIS	CE1-NE2	5.13	1.37	1.32
4	5T	104	HIS	CE1-NE2	5.13	1.37	1.32
4	6L	104	HIS	CE1-NE2	5.13	1.37	1.32
4	6T	104	HIS	CE1-NE2	5.13	1.37	1.32
4	7P	104	HIS	CE1-NE2	5.13	1.37	1.32
1	1Q	90	PHE	CE2-CZ	-5.12	1.23	1.38
1	1U	90	PHE	CE2-CZ	-5.12	1.23	1.38
1	1Y	90	PHE	CE2-CZ	-5.12	1.23	1.38
1	2Q	90	PHE	CE2-CZ	-5.12	1.23	1.38
1	2U	90	PHE	CE2-CZ	-5.12	1.23	1.38
1	2Y	90	PHE	CE2-CZ	-5.12	1.23	1.38
1	42	90	PHE	CE2-CZ	-5.12	1.23	1.38
1	46	90	PHE	CE2-CZ	-5.12	1.23	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5A	90	PHE	CE2-CZ	-5.12	1.23	1.38
1	52	90	PHE	CE2-CZ	-5.12	1.23	1.38
1	56	90	PHE	CE2-CZ	-5.12	1.23	1.38
1	6A	90	PHE	CE2-CZ	-5.12	1.23	1.38
1	1M	48	TYR	CE1-CZ	5.12	1.50	1.38
1	2I	48	TYR	CE1-CZ	5.12	1.50	1.38
1	3A	48	TYR	CE1-CZ	5.12	1.50	1.38
1	3I	48	TYR	CE1-CZ	5.12	1.50	1.38
1	32	48	TYR	CE1-CZ	5.12	1.50	1.38
1	4E	48	TYR	CE1-CZ	5.12	1.50	1.38
1	4Y	48	TYR	CE1-CZ	5.12	1.50	1.38
1	5U	48	TYR	CE1-CZ	5.12	1.50	1.38
1	6M	48	TYR	CE1-CZ	5.12	1.50	1.38
1	6U	48	TYR	CE1-CZ	5.12	1.50	1.38
1	7E	48	TYR	CE1-CZ	5.12	1.50	1.38
1	7Q	48	TYR	CE1-CZ	5.12	1.50	1.38
2	1F	6	LYS	CA-CB	-5.12	1.44	1.53
2	2N	6	LYS	CA-CB	-5.12	1.44	1.53
2	23	6	LYS	CA-CB	-5.12	1.44	1.53
2	3N	6	LYS	CA-CB	-5.12	1.44	1.53
2	37	6	LYS	CA-CB	-5.12	1.44	1.53
2	4J	6	LYS	CA-CB	-5.12	1.44	1.53
2	4R	6	LYS	CA-CB	-5.12	1.44	1.53
2	5Z	6	LYS	CA-CB	-5.12	1.44	1.53
2	6F	6	LYS	CA-CB	-5.12	1.44	1.53
2	6Z	6	LYS	CA-CB	-5.12	1.44	1.53
2	7J	6	LYS	CA-CB	-5.12	1.44	1.53
2	7V	6	LYS	CA-CB	-5.12	1.44	1.53
1	1E	169	ASP	CG-OD1	5.12	1.35	1.25
1	2M	169	ASP	CG-OD1	5.12	1.35	1.25
1	22	169	ASP	CG-OD1	5.12	1.35	1.25
1	3M	169	ASP	CG-OD1	5.12	1.35	1.25
1	36	169	ASP	CG-OD1	5.12	1.35	1.25
1	4I	169	ASP	CG-OD1	5.12	1.35	1.25
1	4Q	169	ASP	CG-OD1	5.12	1.35	1.25
1	5Y	169	ASP	CG-OD1	5.12	1.35	1.25
1	6E	169	ASP	CG-OD1	5.12	1.35	1.25
1	6Y	169	ASP	CG-OD1	5.12	1.35	1.25
1	7I	169	ASP	CG-OD1	5.12	1.35	1.25
1	7U	169	ASP	CG-OD1	5.12	1.35	1.25
1	1A	48	TYR	CE1-CZ	5.11	1.50	1.38
1	1I	48	TYR	CE1-CZ	5.11	1.50	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	13	6	LYS	CA-CB	-5.11	1.44	1.53
2	17	6	LYS	CA-CB	-5.11	1.44	1.53
2	2B	6	LYS	CA-CB	-5.11	1.44	1.53
1	2E	48	TYR	CE1-CZ	5.11	1.50	1.38
1	26	48	TYR	CE1-CZ	5.11	1.50	1.38
1	3E	48	TYR	CE1-CZ	5.11	1.50	1.38
2	3R	6	LYS	CA-CB	-5.11	1.44	1.53
2	3V	6	LYS	CA-CB	-5.11	1.44	1.53
2	3Z	6	LYS	CA-CB	-5.11	1.44	1.53
1	4A	48	TYR	CE1-CZ	5.11	1.50	1.38
1	4M	48	TYR	CE1-CZ	5.11	1.50	1.38
1	4U	48	TYR	CE1-CZ	5.11	1.50	1.38
2	5F	6	LYS	CA-CB	-5.11	1.44	1.53
2	5J	6	LYS	CA-CB	-5.11	1.44	1.53
2	5N	6	LYS	CA-CB	-5.11	1.44	1.53
1	5Q	48	TYR	CE1-CZ	5.11	1.50	1.38
1	6I	48	TYR	CE1-CZ	5.11	1.50	1.38
1	6Q	48	TYR	CE1-CZ	5.11	1.50	1.38
2	63	6	LYS	CA-CB	-5.11	1.44	1.53
2	67	6	LYS	CA-CB	-5.11	1.44	1.53
2	7B	6	LYS	CA-CB	-5.11	1.44	1.53
1	7M	48	TYR	CE1-CZ	5.11	1.50	1.38
2	1R	3	PRO	N-CD	5.11	1.54	1.47
2	1V	3	PRO	N-CD	5.11	1.54	1.47
2	1Z	3	PRO	N-CD	5.11	1.54	1.47
1	12	169	ASP	CG-OD1	5.11	1.35	1.25
1	16	169	ASP	CG-OD1	5.11	1.35	1.25
1	2A	169	ASP	CG-OD1	5.11	1.35	1.25
2	2R	3	PRO	N-CD	5.11	1.54	1.47
2	2V	3	PRO	N-CD	5.11	1.54	1.47
2	2Z	3	PRO	N-CD	5.11	1.54	1.47
1	3Q	169	ASP	CG-OD1	5.11	1.35	1.25
1	3U	169	ASP	CG-OD1	5.11	1.35	1.25
1	3Y	169	ASP	CG-OD1	5.11	1.35	1.25
2	43	3	PRO	N-CD	5.11	1.54	1.47
2	47	3	PRO	N-CD	5.11	1.54	1.47
2	5B	3	PRO	N-CD	5.11	1.54	1.47
1	5E	169	ASP	CG-OD1	5.11	1.35	1.25
1	5I	169	ASP	CG-OD1	5.11	1.35	1.25
1	5M	169	ASP	CG-OD1	5.11	1.35	1.25
2	53	3	PRO	N-CD	5.11	1.54	1.47
2	57	3	PRO	N-CD	5.11	1.54	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6B	3	PRO	N-CD	5.11	1.54	1.47
1	62	169	ASP	CG-OD1	5.11	1.35	1.25
1	66	169	ASP	CG-OD1	5.11	1.35	1.25
1	7A	169	ASP	CG-OD1	5.11	1.35	1.25
1	1A	90	PHE	CE2-CZ	-5.11	1.23	1.38
4	1H	104	HIS	CE1-NE2	5.11	1.37	1.32
1	1I	90	PHE	CE2-CZ	-5.11	1.23	1.38
4	1T	104	HIS	CE1-NE2	5.11	1.37	1.32
4	1X	104	HIS	CE1-NE2	5.11	1.37	1.32
4	11	104	HIS	CE1-NE2	5.11	1.37	1.32
1	2E	90	PHE	CE2-CZ	-5.11	1.23	1.38
4	2P	104	HIS	CE1-NE2	5.11	1.37	1.32
4	2T	104	HIS	CE1-NE2	5.11	1.37	1.32
4	2X	104	HIS	CE1-NE2	5.11	1.37	1.32
4	21	104	HIS	CE1-NE2	5.11	1.37	1.32
4	25	104	HIS	CE1-NE2	5.11	1.37	1.32
1	26	90	PHE	CE2-CZ	-5.11	1.23	1.38
1	3E	90	PHE	CE2-CZ	-5.11	1.23	1.38
4	3P	104	HIS	CE1-NE2	5.11	1.37	1.32
4	39	104	HIS	CE1-NE2	5.11	1.37	1.32
1	4A	90	PHE	CE2-CZ	-5.11	1.23	1.38
4	4L	104	HIS	CE1-NE2	5.11	1.37	1.32
1	4M	90	PHE	CE2-CZ	-5.11	1.23	1.38
4	4T	104	HIS	CE1-NE2	5.11	1.37	1.32
1	4U	90	PHE	CE2-CZ	-5.11	1.23	1.38
4	45	104	HIS	CE1-NE2	5.11	1.37	1.32
4	49	104	HIS	CE1-NE2	5.11	1.37	1.32
4	5D	104	HIS	CE1-NE2	5.11	1.37	1.32
1	5Q	90	PHE	CE2-CZ	-5.11	1.23	1.38
4	51	104	HIS	CE1-NE2	5.11	1.37	1.32
4	55	104	HIS	CE1-NE2	5.11	1.37	1.32
4	59	104	HIS	CE1-NE2	5.11	1.37	1.32
4	6D	104	HIS	CE1-NE2	5.11	1.37	1.32
4	6H	104	HIS	CE1-NE2	5.11	1.37	1.32
1	6I	90	PHE	CE2-CZ	-5.11	1.23	1.38
1	6Q	90	PHE	CE2-CZ	-5.11	1.23	1.38
4	61	104	HIS	CE1-NE2	5.11	1.37	1.32
4	7L	104	HIS	CE1-NE2	5.11	1.37	1.32
1	7M	90	PHE	CE2-CZ	-5.11	1.23	1.38
4	7X	104	HIS	CE1-NE2	5.11	1.37	1.32
2	1B	6	LYS	CA-CB	-5.10	1.44	1.53
1	1E	48	TYR	CE1-CZ	5.10	1.50	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1J	6	LYS	CA-CB	-5.10	1.44	1.53
1	1M	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	1Q	48	TYR	CE1-CZ	5.10	1.50	1.38
1	1U	48	TYR	CE1-CZ	5.10	1.50	1.38
1	1Y	48	TYR	CE1-CZ	5.10	1.50	1.38
2	2F	6	LYS	CA-CB	-5.10	1.44	1.53
1	2I	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	2M	48	TYR	CE1-CZ	5.10	1.50	1.38
1	2Q	48	TYR	CE1-CZ	5.10	1.50	1.38
1	2U	48	TYR	CE1-CZ	5.10	1.50	1.38
1	2Y	48	TYR	CE1-CZ	5.10	1.50	1.38
1	22	48	TYR	CE1-CZ	5.10	1.50	1.38
2	27	6	LYS	CA-CB	-5.10	1.44	1.53
1	3A	90	PHE	CE2-CZ	-5.10	1.23	1.38
2	3F	6	LYS	CA-CB	-5.10	1.44	1.53
1	3I	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	3M	48	TYR	CE1-CZ	5.10	1.50	1.38
1	32	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	36	48	TYR	CE1-CZ	5.10	1.50	1.38
2	4B	6	LYS	CA-CB	-5.10	1.44	1.53
1	4E	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	4I	48	TYR	CE1-CZ	5.10	1.50	1.38
2	4N	6	LYS	CA-CB	-5.10	1.44	1.53
1	4Q	48	TYR	CE1-CZ	5.10	1.50	1.38
2	4V	6	LYS	CA-CB	-5.10	1.44	1.53
1	4Y	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	42	48	TYR	CE1-CZ	5.10	1.50	1.38
1	46	48	TYR	CE1-CZ	5.10	1.50	1.38
1	5A	48	TYR	CE1-CZ	5.10	1.50	1.38
2	5R	6	LYS	CA-CB	-5.10	1.44	1.53
1	5U	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	5Y	48	TYR	CE1-CZ	5.10	1.50	1.38
1	52	48	TYR	CE1-CZ	5.10	1.50	1.38
1	56	48	TYR	CE1-CZ	5.10	1.50	1.38
1	6A	48	TYR	CE1-CZ	5.10	1.50	1.38
1	6E	48	TYR	CE1-CZ	5.10	1.50	1.38
2	6J	6	LYS	CA-CB	-5.10	1.44	1.53
1	6M	90	PHE	CE2-CZ	-5.10	1.23	1.38
2	6R	6	LYS	CA-CB	-5.10	1.44	1.53
1	6U	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	6Y	48	TYR	CE1-CZ	5.10	1.50	1.38
1	7E	90	PHE	CE2-CZ	-5.10	1.23	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7I	48	TYR	CE1-CZ	5.10	1.50	1.38
2	7N	6	LYS	CA-CB	-5.10	1.44	1.53
1	7Q	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	7U	48	TYR	CE1-CZ	5.10	1.50	1.38
1	12	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	16	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	2A	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	3Q	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	3U	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	3Y	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	5E	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	5I	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	5M	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	62	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	66	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	7A	90	PHE	CE2-CZ	-5.10	1.23	1.38
1	12	48	TYR	CE1-CZ	5.10	1.50	1.38
1	16	48	TYR	CE1-CZ	5.10	1.50	1.38
1	2A	48	TYR	CE1-CZ	5.10	1.50	1.38
1	3Q	48	TYR	CE1-CZ	5.10	1.50	1.38
1	3U	48	TYR	CE1-CZ	5.10	1.50	1.38
1	3Y	48	TYR	CE1-CZ	5.10	1.50	1.38
1	5E	48	TYR	CE1-CZ	5.10	1.50	1.38
1	5I	48	TYR	CE1-CZ	5.10	1.50	1.38
1	5M	48	TYR	CE1-CZ	5.10	1.50	1.38
1	62	48	TYR	CE1-CZ	5.10	1.50	1.38
1	66	48	TYR	CE1-CZ	5.10	1.50	1.38
1	7A	48	TYR	CE1-CZ	5.10	1.50	1.38
2	1B	3	PRO	N-CD	5.10	1.54	1.47
2	1J	3	PRO	N-CD	5.10	1.54	1.47
2	2F	3	PRO	N-CD	5.10	1.54	1.47
2	27	3	PRO	N-CD	5.10	1.54	1.47
2	3F	3	PRO	N-CD	5.10	1.54	1.47
2	4B	3	PRO	N-CD	5.10	1.54	1.47
2	4N	3	PRO	N-CD	5.10	1.54	1.47
2	4V	3	PRO	N-CD	5.10	1.54	1.47
2	5R	3	PRO	N-CD	5.10	1.54	1.47
2	6J	3	PRO	N-CD	5.10	1.54	1.47
2	6R	3	PRO	N-CD	5.10	1.54	1.47
2	7N	3	PRO	N-CD	5.10	1.54	1.47
4	1P	104	HIS	CE1-NE2	5.09	1.37	1.32
4	2L	104	HIS	CE1-NE2	5.09	1.37	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
4	3D	104	HIS	CE1-NE2	5.09	1.37	1.32
4	3L	104	HIS	CE1-NE2	5.09	1.37	1.32
4	35	104	HIS	CE1-NE2	5.09	1.37	1.32
4	4H	104	HIS	CE1-NE2	5.09	1.37	1.32
4	41	104	HIS	CE1-NE2	5.09	1.37	1.32
4	5X	104	HIS	CE1-NE2	5.09	1.37	1.32
4	6P	104	HIS	CE1-NE2	5.09	1.37	1.32
4	6X	104	HIS	CE1-NE2	5.09	1.37	1.32
4	7H	104	HIS	CE1-NE2	5.09	1.37	1.32
4	7T	104	HIS	CE1-NE2	5.09	1.37	1.32
1	1E	90	PHE	CE2-CZ	-5.09	1.23	1.38
1	2M	90	PHE	CE2-CZ	-5.09	1.23	1.38
1	22	90	PHE	CE2-CZ	-5.09	1.23	1.38
1	3M	90	PHE	CE2-CZ	-5.09	1.23	1.38
1	36	90	PHE	CE2-CZ	-5.09	1.23	1.38
1	4I	90	PHE	CE2-CZ	-5.09	1.23	1.38
1	4Q	90	PHE	CE2-CZ	-5.09	1.23	1.38
1	5Y	90	PHE	CE2-CZ	-5.09	1.23	1.38
1	6E	90	PHE	CE2-CZ	-5.09	1.23	1.38
1	6Y	90	PHE	CE2-CZ	-5.09	1.23	1.38
1	7I	90	PHE	CE2-CZ	-5.09	1.23	1.38
1	7U	90	PHE	CE2-CZ	-5.09	1.23	1.38
2	13	3	PRO	N-CD	5.08	1.54	1.47
2	17	3	PRO	N-CD	5.08	1.54	1.47
2	2B	3	PRO	N-CD	5.08	1.54	1.47
2	3R	3	PRO	N-CD	5.08	1.54	1.47
2	3V	3	PRO	N-CD	5.08	1.54	1.47
2	3Z	3	PRO	N-CD	5.08	1.54	1.47
2	5F	3	PRO	N-CD	5.08	1.54	1.47
2	5J	3	PRO	N-CD	5.08	1.54	1.47
2	5N	3	PRO	N-CD	5.08	1.54	1.47
2	63	3	PRO	N-CD	5.08	1.54	1.47
2	67	3	PRO	N-CD	5.08	1.54	1.47
2	7B	3	PRO	N-CD	5.08	1.54	1.47
4	15	104	HIS	CE1-NE2	5.08	1.37	1.32
4	19	104	HIS	CE1-NE2	5.08	1.37	1.32
4	2D	104	HIS	CE1-NE2	5.08	1.37	1.32
4	3T	104	HIS	CE1-NE2	5.08	1.37	1.32
4	3X	104	HIS	CE1-NE2	5.08	1.37	1.32
4	31	104	HIS	CE1-NE2	5.08	1.37	1.32
4	5H	104	HIS	CE1-NE2	5.08	1.37	1.32
4	5L	104	HIS	CE1-NE2	5.08	1.37	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
4	5P	104	HIS	CE1-NE2	5.08	1.37	1.32
4	65	104	HIS	CE1-NE2	5.08	1.37	1.32
4	69	104	HIS	CE1-NE2	5.08	1.37	1.32
4	7D	104	HIS	CE1-NE2	5.08	1.37	1.32
1	1M	169	ASP	CG-OD1	5.08	1.34	1.25
1	2I	169	ASP	CG-OD1	5.08	1.34	1.25
1	3A	169	ASP	CG-OD1	5.08	1.34	1.25
1	3I	169	ASP	CG-OD1	5.08	1.34	1.25
1	32	169	ASP	CG-OD1	5.08	1.34	1.25
1	4E	169	ASP	CG-OD1	5.08	1.34	1.25
1	4Y	169	ASP	CG-OD1	5.08	1.34	1.25
1	5U	169	ASP	CG-OD1	5.08	1.34	1.25
1	6M	169	ASP	CG-OD1	5.08	1.34	1.25
1	6U	169	ASP	CG-OD1	5.08	1.34	1.25
1	7E	169	ASP	CG-OD1	5.08	1.34	1.25
1	7Q	169	ASP	CG-OD1	5.08	1.34	1.25
1	1Q	169	ASP	CG-OD1	5.07	1.34	1.25
1	1U	169	ASP	CG-OD1	5.07	1.34	1.25
1	1Y	169	ASP	CG-OD1	5.07	1.34	1.25
1	2Q	169	ASP	CG-OD1	5.07	1.34	1.25
1	2U	169	ASP	CG-OD1	5.07	1.34	1.25
1	2Y	169	ASP	CG-OD1	5.07	1.34	1.25
1	42	169	ASP	CG-OD1	5.07	1.34	1.25
1	46	169	ASP	CG-OD1	5.07	1.34	1.25
1	5A	169	ASP	CG-OD1	5.07	1.34	1.25
1	52	169	ASP	CG-OD1	5.07	1.34	1.25
1	56	169	ASP	CG-OD1	5.07	1.34	1.25
1	6A	169	ASP	CG-OD1	5.07	1.34	1.25
2	1F	3	PRO	N-CD	5.07	1.54	1.47
2	2N	3	PRO	N-CD	5.07	1.54	1.47
2	23	3	PRO	N-CD	5.07	1.54	1.47
2	3N	3	PRO	N-CD	5.07	1.54	1.47
2	37	3	PRO	N-CD	5.07	1.54	1.47
2	4J	3	PRO	N-CD	5.07	1.54	1.47
2	4R	3	PRO	N-CD	5.07	1.54	1.47
2	5Z	3	PRO	N-CD	5.07	1.54	1.47
2	6F	3	PRO	N-CD	5.07	1.54	1.47
2	6Z	3	PRO	N-CD	5.07	1.54	1.47
2	7J	3	PRO	N-CD	5.07	1.54	1.47
2	7V	3	PRO	N-CD	5.07	1.54	1.47
1	1A	169	ASP	CG-OD1	5.07	1.34	1.25
2	1F	220	PHE	C-N	5.07	1.39	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1I	169	ASP	CG-OD1	5.07	1.34	1.25
1	2E	169	ASP	CG-OD1	5.07	1.34	1.25
2	2N	220	PHE	C-N	5.07	1.39	1.33
2	23	220	PHE	C-N	5.07	1.39	1.33
1	26	169	ASP	CG-OD1	5.07	1.34	1.25
1	3E	169	ASP	CG-OD1	5.07	1.34	1.25
2	3N	220	PHE	C-N	5.07	1.39	1.33
2	37	220	PHE	C-N	5.07	1.39	1.33
1	4A	169	ASP	CG-OD1	5.07	1.34	1.25
2	4J	220	PHE	C-N	5.07	1.39	1.33
1	4M	169	ASP	CG-OD1	5.07	1.34	1.25
2	4R	220	PHE	C-N	5.07	1.39	1.33
1	4U	169	ASP	CG-OD1	5.07	1.34	1.25
1	5Q	169	ASP	CG-OD1	5.07	1.34	1.25
2	5Z	220	PHE	C-N	5.07	1.39	1.33
2	6F	220	PHE	C-N	5.07	1.39	1.33
1	6I	169	ASP	CG-OD1	5.07	1.34	1.25
1	6Q	169	ASP	CG-OD1	5.07	1.34	1.25
2	6Z	220	PHE	C-N	5.07	1.39	1.33
2	7J	220	PHE	C-N	5.07	1.39	1.33
1	7M	169	ASP	CG-OD1	5.07	1.34	1.25
2	7V	220	PHE	C-N	5.07	1.39	1.33
2	1N	3	PRO	N-CD	5.07	1.54	1.47
2	2J	3	PRO	N-CD	5.07	1.54	1.47
2	3B	3	PRO	N-CD	5.07	1.54	1.47
2	3J	3	PRO	N-CD	5.07	1.54	1.47
2	33	3	PRO	N-CD	5.07	1.54	1.47
2	4F	3	PRO	N-CD	5.07	1.54	1.47
2	4Z	3	PRO	N-CD	5.07	1.54	1.47
2	5V	3	PRO	N-CD	5.07	1.54	1.47
2	6N	3	PRO	N-CD	5.07	1.54	1.47
2	6V	3	PRO	N-CD	5.07	1.54	1.47
2	7F	3	PRO	N-CD	5.07	1.54	1.47
2	7R	3	PRO	N-CD	5.07	1.54	1.47
2	13	74	TYR	N-CA	-5.06	1.39	1.46
2	17	74	TYR	N-CA	-5.06	1.39	1.46
2	2B	74	TYR	N-CA	-5.06	1.39	1.46
2	3R	74	TYR	N-CA	-5.06	1.39	1.46
2	3V	74	TYR	N-CA	-5.06	1.39	1.46
2	3Z	74	TYR	N-CA	-5.06	1.39	1.46
2	5F	74	TYR	N-CA	-5.06	1.39	1.46
2	5J	74	TYR	N-CA	-5.06	1.39	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	5N	74	TYR	N-CA	-5.06	1.39	1.46
2	63	74	TYR	N-CA	-5.06	1.39	1.46
2	67	74	TYR	N-CA	-5.06	1.39	1.46
2	7B	74	TYR	N-CA	-5.06	1.39	1.46
1	1M	89	PHE	N-CA	-5.05	1.36	1.46
1	2I	89	PHE	N-CA	-5.05	1.36	1.46
1	3A	89	PHE	N-CA	-5.05	1.36	1.46
1	3I	89	PHE	N-CA	-5.05	1.36	1.46
1	32	89	PHE	N-CA	-5.05	1.36	1.46
1	4E	89	PHE	N-CA	-5.05	1.36	1.46
1	4Y	89	PHE	N-CA	-5.05	1.36	1.46
1	5U	89	PHE	N-CA	-5.05	1.36	1.46
1	6M	89	PHE	N-CA	-5.05	1.36	1.46
1	6U	89	PHE	N-CA	-5.05	1.36	1.46
1	7E	89	PHE	N-CA	-5.05	1.36	1.46
1	7Q	89	PHE	N-CA	-5.05	1.36	1.46
2	13	79	VAL	CB-CG2	5.05	1.69	1.52
2	17	79	VAL	CB-CG2	5.05	1.69	1.52
2	2B	79	VAL	CB-CG2	5.05	1.69	1.52
2	3R	79	VAL	CB-CG2	5.05	1.69	1.52
2	3V	79	VAL	CB-CG2	5.05	1.69	1.52
2	3Z	79	VAL	CB-CG2	5.05	1.69	1.52
2	5F	79	VAL	CB-CG2	5.05	1.69	1.52
2	5J	79	VAL	CB-CG2	5.05	1.69	1.52
2	5N	79	VAL	CB-CG2	5.05	1.69	1.52
2	63	79	VAL	CB-CG2	5.05	1.69	1.52
2	67	79	VAL	CB-CG2	5.05	1.69	1.52
2	7B	79	VAL	CB-CG2	5.05	1.69	1.52
2	1N	74	TYR	N-CA	-5.05	1.39	1.46
2	2J	74	TYR	N-CA	-5.05	1.39	1.46
2	3B	74	TYR	N-CA	-5.05	1.39	1.46
2	3J	74	TYR	N-CA	-5.05	1.39	1.46
2	33	74	TYR	N-CA	-5.05	1.39	1.46
2	4F	74	TYR	N-CA	-5.05	1.39	1.46
2	4Z	74	TYR	N-CA	-5.05	1.39	1.46
2	5V	74	TYR	N-CA	-5.05	1.39	1.46
2	6N	74	TYR	N-CA	-5.05	1.39	1.46
2	6V	74	TYR	N-CA	-5.05	1.39	1.46
2	7F	74	TYR	N-CA	-5.05	1.39	1.46
2	7R	74	TYR	N-CA	-5.05	1.39	1.46
2	1R	74	TYR	N-CA	-5.04	1.39	1.46
2	1V	74	TYR	N-CA	-5.04	1.39	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	1Z	74	TYR	N-CA	-5.04	1.39	1.46
2	2R	74	TYR	N-CA	-5.04	1.39	1.46
2	2V	74	TYR	N-CA	-5.04	1.39	1.46
2	2Z	74	TYR	N-CA	-5.04	1.39	1.46
2	43	74	TYR	N-CA	-5.04	1.39	1.46
2	47	74	TYR	N-CA	-5.04	1.39	1.46
2	5B	74	TYR	N-CA	-5.04	1.39	1.46
2	53	74	TYR	N-CA	-5.04	1.39	1.46
2	57	74	TYR	N-CA	-5.04	1.39	1.46
2	6B	74	TYR	N-CA	-5.04	1.39	1.46
2	1N	79	VAL	CB-CG2	5.04	1.69	1.52
2	2J	79	VAL	CB-CG2	5.04	1.69	1.52
2	3B	79	VAL	CB-CG2	5.04	1.69	1.52
2	3J	79	VAL	CB-CG2	5.04	1.69	1.52
2	33	79	VAL	CB-CG2	5.04	1.69	1.52
2	4F	79	VAL	CB-CG2	5.04	1.69	1.52
2	4Z	79	VAL	CB-CG2	5.04	1.69	1.52
2	5V	79	VAL	CB-CG2	5.04	1.69	1.52
2	6N	79	VAL	CB-CG2	5.04	1.69	1.52
2	6V	79	VAL	CB-CG2	5.04	1.69	1.52
2	7F	79	VAL	CB-CG2	5.04	1.69	1.52
2	7R	79	VAL	CB-CG2	5.04	1.69	1.52
1	1A	89	PHE	N-CA	-5.03	1.36	1.46
2	1F	74	TYR	N-CA	-5.03	1.39	1.46
1	1I	89	PHE	N-CA	-5.03	1.36	1.46
1	2E	89	PHE	N-CA	-5.03	1.36	1.46
2	2N	74	TYR	N-CA	-5.03	1.39	1.46
2	23	74	TYR	N-CA	-5.03	1.39	1.46
1	26	89	PHE	N-CA	-5.03	1.36	1.46
1	3E	89	PHE	N-CA	-5.03	1.36	1.46
2	3N	74	TYR	N-CA	-5.03	1.39	1.46
2	37	74	TYR	N-CA	-5.03	1.39	1.46
1	4A	89	PHE	N-CA	-5.03	1.36	1.46
2	4J	74	TYR	N-CA	-5.03	1.39	1.46
1	4M	89	PHE	N-CA	-5.03	1.36	1.46
2	4R	74	TYR	N-CA	-5.03	1.39	1.46
1	4U	89	PHE	N-CA	-5.03	1.36	1.46
1	5Q	89	PHE	N-CA	-5.03	1.36	1.46
2	5Z	74	TYR	N-CA	-5.03	1.39	1.46
2	6F	74	TYR	N-CA	-5.03	1.39	1.46
1	6I	89	PHE	N-CA	-5.03	1.36	1.46
1	6Q	89	PHE	N-CA	-5.03	1.36	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6Z	74	TYR	N-CA	-5.03	1.39	1.46
2	7J	74	TYR	N-CA	-5.03	1.39	1.46
1	7M	89	PHE	N-CA	-5.03	1.36	1.46
2	7V	74	TYR	N-CA	-5.03	1.39	1.46
2	1B	79	VAL	CB-CG2	5.03	1.69	1.52
2	1J	79	VAL	CB-CG2	5.03	1.69	1.52
1	12	89	PHE	N-CA	-5.03	1.36	1.46
1	16	89	PHE	N-CA	-5.03	1.36	1.46
1	2A	89	PHE	N-CA	-5.03	1.36	1.46
2	2F	79	VAL	CB-CG2	5.03	1.69	1.52
2	27	79	VAL	CB-CG2	5.03	1.69	1.52
2	3F	79	VAL	CB-CG2	5.03	1.69	1.52
1	3Q	89	PHE	N-CA	-5.03	1.36	1.46
1	3U	89	PHE	N-CA	-5.03	1.36	1.46
1	3Y	89	PHE	N-CA	-5.03	1.36	1.46
2	4B	79	VAL	CB-CG2	5.03	1.69	1.52
2	4N	79	VAL	CB-CG2	5.03	1.69	1.52
2	4V	79	VAL	CB-CG2	5.03	1.69	1.52
1	5E	89	PHE	N-CA	-5.03	1.36	1.46
1	5I	89	PHE	N-CA	-5.03	1.36	1.46
1	5M	89	PHE	N-CA	-5.03	1.36	1.46
2	5R	79	VAL	CB-CG2	5.03	1.69	1.52
2	6J	79	VAL	CB-CG2	5.03	1.69	1.52
2	6R	79	VAL	CB-CG2	5.03	1.69	1.52
1	62	89	PHE	N-CA	-5.03	1.36	1.46
1	66	89	PHE	N-CA	-5.03	1.36	1.46
1	7A	89	PHE	N-CA	-5.03	1.36	1.46
2	7N	79	VAL	CB-CG2	5.03	1.69	1.52
2	1B	74	TYR	N-CA	-5.03	1.39	1.46
2	1J	74	TYR	N-CA	-5.03	1.39	1.46
2	2F	74	TYR	N-CA	-5.03	1.39	1.46
2	27	74	TYR	N-CA	-5.03	1.39	1.46
2	3F	74	TYR	N-CA	-5.03	1.39	1.46
2	4B	74	TYR	N-CA	-5.03	1.39	1.46
2	4N	74	TYR	N-CA	-5.03	1.39	1.46
2	4V	74	TYR	N-CA	-5.03	1.39	1.46
2	5R	74	TYR	N-CA	-5.03	1.39	1.46
2	6J	74	TYR	N-CA	-5.03	1.39	1.46
2	6R	74	TYR	N-CA	-5.03	1.39	1.46
2	7N	74	TYR	N-CA	-5.03	1.39	1.46
1	1E	89	PHE	N-CA	-5.02	1.36	1.46
1	1Q	31	LYS	C-O	-5.02	1.17	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1U	31	LYS	C-O	-5.02	1.17	1.23
1	1Y	31	LYS	C-O	-5.02	1.17	1.23
1	2M	89	PHE	N-CA	-5.02	1.36	1.46
1	2Q	31	LYS	C-O	-5.02	1.17	1.23
1	2U	31	LYS	C-O	-5.02	1.17	1.23
1	2Y	31	LYS	C-O	-5.02	1.17	1.23
1	22	89	PHE	N-CA	-5.02	1.36	1.46
1	3M	89	PHE	N-CA	-5.02	1.36	1.46
1	36	89	PHE	N-CA	-5.02	1.36	1.46
1	4I	89	PHE	N-CA	-5.02	1.36	1.46
1	4Q	89	PHE	N-CA	-5.02	1.36	1.46
1	42	31	LYS	C-O	-5.02	1.17	1.23
1	46	31	LYS	C-O	-5.02	1.17	1.23
1	5A	31	LYS	C-O	-5.02	1.17	1.23
1	5Y	89	PHE	N-CA	-5.02	1.36	1.46
1	52	31	LYS	C-O	-5.02	1.17	1.23
1	56	31	LYS	C-O	-5.02	1.17	1.23
1	6A	31	LYS	C-O	-5.02	1.17	1.23
1	6E	89	PHE	N-CA	-5.02	1.36	1.46
1	6Y	89	PHE	N-CA	-5.02	1.36	1.46
1	7I	89	PHE	N-CA	-5.02	1.36	1.46
1	7U	89	PHE	N-CA	-5.02	1.36	1.46
2	1B	220	PHE	C-N	5.02	1.39	1.33
2	1F	79	VAL	CB-CG2	5.02	1.69	1.52
2	1J	220	PHE	C-N	5.02	1.39	1.33
1	1Q	89	PHE	N-CA	-5.02	1.36	1.46
2	1R	79	VAL	CB-CG2	5.02	1.69	1.52
1	1U	89	PHE	N-CA	-5.02	1.36	1.46
2	1V	79	VAL	CB-CG2	5.02	1.69	1.52
1	1Y	89	PHE	N-CA	-5.02	1.36	1.46
2	1Z	79	VAL	CB-CG2	5.02	1.69	1.52
2	2F	220	PHE	C-N	5.02	1.39	1.33
2	2N	79	VAL	CB-CG2	5.02	1.69	1.52
1	2Q	89	PHE	N-CA	-5.02	1.36	1.46
2	2R	79	VAL	CB-CG2	5.02	1.69	1.52
1	2U	89	PHE	N-CA	-5.02	1.36	1.46
2	2V	79	VAL	CB-CG2	5.02	1.69	1.52
1	2Y	89	PHE	N-CA	-5.02	1.36	1.46
2	2Z	79	VAL	CB-CG2	5.02	1.69	1.52
2	23	79	VAL	CB-CG2	5.02	1.69	1.52
2	27	220	PHE	C-N	5.02	1.39	1.33
2	3F	220	PHE	C-N	5.02	1.39	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3N	79	VAL	CB-CG2	5.02	1.69	1.52
2	37	79	VAL	CB-CG2	5.02	1.69	1.52
2	4B	220	PHE	C-N	5.02	1.39	1.33
2	4J	79	VAL	CB-CG2	5.02	1.69	1.52
2	4N	220	PHE	C-N	5.02	1.39	1.33
2	4R	79	VAL	CB-CG2	5.02	1.69	1.52
2	4V	220	PHE	C-N	5.02	1.39	1.33
1	42	89	PHE	N-CA	-5.02	1.36	1.46
2	43	79	VAL	CB-CG2	5.02	1.69	1.52
1	46	89	PHE	N-CA	-5.02	1.36	1.46
2	47	79	VAL	CB-CG2	5.02	1.69	1.52
1	5A	89	PHE	N-CA	-5.02	1.36	1.46
2	5B	79	VAL	CB-CG2	5.02	1.69	1.52
2	5R	220	PHE	C-N	5.02	1.39	1.33
2	5Z	79	VAL	CB-CG2	5.02	1.69	1.52
1	52	89	PHE	N-CA	-5.02	1.36	1.46
2	53	79	VAL	CB-CG2	5.02	1.69	1.52
1	56	89	PHE	N-CA	-5.02	1.36	1.46
2	57	79	VAL	CB-CG2	5.02	1.69	1.52
1	6A	89	PHE	N-CA	-5.02	1.36	1.46
2	6B	79	VAL	CB-CG2	5.02	1.69	1.52
2	6F	79	VAL	CB-CG2	5.02	1.69	1.52
2	6J	220	PHE	C-N	5.02	1.39	1.33
2	6R	220	PHE	C-N	5.02	1.39	1.33
2	6Z	79	VAL	CB-CG2	5.02	1.69	1.52
2	7J	79	VAL	CB-CG2	5.02	1.69	1.52
2	7N	220	PHE	C-N	5.02	1.39	1.33
2	7V	79	VAL	CB-CG2	5.02	1.69	1.52
2	1N	220	PHE	C-N	5.02	1.39	1.33
2	2J	220	PHE	C-N	5.02	1.39	1.33
2	3B	220	PHE	C-N	5.02	1.39	1.33
2	3J	220	PHE	C-N	5.02	1.39	1.33
2	33	220	PHE	C-N	5.02	1.39	1.33
2	4F	220	PHE	C-N	5.02	1.39	1.33
2	4Z	220	PHE	C-N	5.02	1.39	1.33
2	5V	220	PHE	C-N	5.02	1.39	1.33
2	6N	220	PHE	C-N	5.02	1.39	1.33
2	6V	220	PHE	C-N	5.02	1.39	1.33
2	7F	220	PHE	C-N	5.02	1.39	1.33
2	7R	220	PHE	C-N	5.02	1.39	1.33
2	13	220	PHE	C-N	5.01	1.39	1.33
2	17	220	PHE	C-N	5.01	1.39	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	220	PHE	C-N	5.01	1.39	1.33
2	3R	220	PHE	C-N	5.01	1.39	1.33
2	3V	220	PHE	C-N	5.01	1.39	1.33
2	3Z	220	PHE	C-N	5.01	1.39	1.33
2	5F	220	PHE	C-N	5.01	1.39	1.33
2	5J	220	PHE	C-N	5.01	1.39	1.33
2	5N	220	PHE	C-N	5.01	1.39	1.33
2	63	220	PHE	C-N	5.01	1.39	1.33
2	67	220	PHE	C-N	5.01	1.39	1.33
2	7B	220	PHE	C-N	5.01	1.39	1.33
1	1E	31	LYS	C-O	-5.00	1.17	1.23
1	2M	31	LYS	C-O	-5.00	1.17	1.23
1	22	31	LYS	C-O	-5.00	1.17	1.23
1	3M	31	LYS	C-O	-5.00	1.17	1.23
1	36	31	LYS	C-O	-5.00	1.17	1.23
1	4I	31	LYS	C-O	-5.00	1.17	1.23
1	4Q	31	LYS	C-O	-5.00	1.17	1.23
1	5Y	31	LYS	C-O	-5.00	1.17	1.23
1	6E	31	LYS	C-O	-5.00	1.17	1.23
1	6Y	31	LYS	C-O	-5.00	1.17	1.23
1	7I	31	LYS	C-O	-5.00	1.17	1.23
1	7U	31	LYS	C-O	-5.00	1.17	1.23

All (78024) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1M	151	ASN	N-CA-CB	52.12	162.68	109.51
1	2I	151	ASN	N-CA-CB	52.12	162.68	109.51
1	3A	151	ASN	N-CA-CB	52.12	162.68	109.51
1	3I	151	ASN	N-CA-CB	52.12	162.68	109.51
1	32	151	ASN	N-CA-CB	52.12	162.68	109.51
1	4E	151	ASN	N-CA-CB	52.12	162.68	109.51
1	4Y	151	ASN	N-CA-CB	52.12	162.68	109.51
1	5U	151	ASN	N-CA-CB	52.12	162.68	109.51
1	6M	151	ASN	N-CA-CB	52.12	162.68	109.51
1	6U	151	ASN	N-CA-CB	52.12	162.68	109.51
1	7E	151	ASN	N-CA-CB	52.12	162.68	109.51
1	7Q	151	ASN	N-CA-CB	52.12	162.68	109.51
1	1E	151	ASN	N-CA-CB	52.12	162.67	109.51
1	2M	151	ASN	N-CA-CB	52.12	162.67	109.51
1	22	151	ASN	N-CA-CB	52.12	162.67	109.51
1	3M	151	ASN	N-CA-CB	52.12	162.67	109.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	151	ASN	N-CA-CB	52.12	162.67	109.51
1	4I	151	ASN	N-CA-CB	52.12	162.67	109.51
1	4Q	151	ASN	N-CA-CB	52.12	162.67	109.51
1	5Y	151	ASN	N-CA-CB	52.12	162.67	109.51
1	6E	151	ASN	N-CA-CB	52.12	162.67	109.51
1	6Y	151	ASN	N-CA-CB	52.12	162.67	109.51
1	7I	151	ASN	N-CA-CB	52.12	162.67	109.51
1	7U	151	ASN	N-CA-CB	52.12	162.67	109.51
1	1A	151	ASN	N-CA-CB	52.09	162.65	109.51
1	1I	151	ASN	N-CA-CB	52.09	162.65	109.51
1	1Q	151	ASN	N-CA-CB	52.09	162.65	109.51
1	1U	151	ASN	N-CA-CB	52.09	162.65	109.51
1	1Y	151	ASN	N-CA-CB	52.09	162.65	109.51
1	2E	151	ASN	N-CA-CB	52.09	162.65	109.51
1	2Q	151	ASN	N-CA-CB	52.09	162.65	109.51
1	2U	151	ASN	N-CA-CB	52.09	162.65	109.51
1	2Y	151	ASN	N-CA-CB	52.09	162.65	109.51
1	26	151	ASN	N-CA-CB	52.09	162.65	109.51
1	3E	151	ASN	N-CA-CB	52.09	162.65	109.51
1	4A	151	ASN	N-CA-CB	52.09	162.65	109.51
1	4M	151	ASN	N-CA-CB	52.09	162.65	109.51
1	4U	151	ASN	N-CA-CB	52.09	162.65	109.51
1	42	151	ASN	N-CA-CB	52.09	162.65	109.51
1	46	151	ASN	N-CA-CB	52.09	162.65	109.51
1	5A	151	ASN	N-CA-CB	52.09	162.65	109.51
1	5Q	151	ASN	N-CA-CB	52.09	162.65	109.51
1	52	151	ASN	N-CA-CB	52.09	162.65	109.51
1	56	151	ASN	N-CA-CB	52.09	162.65	109.51
1	6A	151	ASN	N-CA-CB	52.09	162.65	109.51
1	6I	151	ASN	N-CA-CB	52.09	162.65	109.51
1	6Q	151	ASN	N-CA-CB	52.09	162.65	109.51
1	7M	151	ASN	N-CA-CB	52.09	162.65	109.51
1	12	151	ASN	N-CA-CB	52.08	162.63	109.51
1	16	151	ASN	N-CA-CB	52.08	162.63	109.51
1	2A	151	ASN	N-CA-CB	52.08	162.63	109.51
1	3Q	151	ASN	N-CA-CB	52.08	162.63	109.51
1	3U	151	ASN	N-CA-CB	52.08	162.63	109.51
1	3Y	151	ASN	N-CA-CB	52.08	162.63	109.51
1	5E	151	ASN	N-CA-CB	52.08	162.63	109.51
1	5I	151	ASN	N-CA-CB	52.08	162.63	109.51
1	5M	151	ASN	N-CA-CB	52.08	162.63	109.51
1	62	151	ASN	N-CA-CB	52.08	162.63	109.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	151	ASN	N-CA-CB	52.08	162.63	109.51
1	7A	151	ASN	N-CA-CB	52.08	162.63	109.51
1	1Q	30	PHE	CA-CB-CG	-45.80	68.00	113.80
1	1U	30	PHE	CA-CB-CG	-45.80	68.00	113.80
1	1Y	30	PHE	CA-CB-CG	-45.80	68.00	113.80
1	2Q	30	PHE	CA-CB-CG	-45.80	68.00	113.80
1	2U	30	PHE	CA-CB-CG	-45.80	68.00	113.80
1	2Y	30	PHE	CA-CB-CG	-45.80	68.00	113.80
1	42	30	PHE	CA-CB-CG	-45.80	68.00	113.80
1	46	30	PHE	CA-CB-CG	-45.80	68.00	113.80
1	5A	30	PHE	CA-CB-CG	-45.80	68.00	113.80
1	52	30	PHE	CA-CB-CG	-45.80	68.00	113.80
1	56	30	PHE	CA-CB-CG	-45.80	68.00	113.80
1	6A	30	PHE	CA-CB-CG	-45.80	68.00	113.80
1	1E	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	2M	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	22	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	3M	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	36	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	4I	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	4Q	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	5Y	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	6E	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	6Y	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	7I	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	7U	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	1A	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	1I	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	2E	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	26	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	3E	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	4A	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	4M	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	4U	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	5Q	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	6I	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	6Q	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	7M	30	PHE	CA-CB-CG	-45.79	68.01	113.80
1	1M	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	2I	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	3A	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	3I	30	PHE	CA-CB-CG	-45.76	68.04	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	4E	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	4Y	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	5U	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	6M	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	6U	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	7E	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	7Q	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	12	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	16	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	2A	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	3Q	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	3U	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	3Y	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	5E	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	5I	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	5M	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	62	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	66	30	PHE	CA-CB-CG	-45.76	68.04	113.80
1	7A	30	PHE	CA-CB-CG	-45.76	68.04	113.80
2	13	23	HIS	CG-CD2-NE2	39.84	147.04	107.20
2	17	23	HIS	CG-CD2-NE2	39.84	147.04	107.20
2	2B	23	HIS	CG-CD2-NE2	39.84	147.04	107.20
2	3R	23	HIS	CG-CD2-NE2	39.84	147.04	107.20
2	3V	23	HIS	CG-CD2-NE2	39.84	147.04	107.20
2	3Z	23	HIS	CG-CD2-NE2	39.84	147.04	107.20
2	5F	23	HIS	CG-CD2-NE2	39.84	147.04	107.20
2	5J	23	HIS	CG-CD2-NE2	39.84	147.04	107.20
2	5N	23	HIS	CG-CD2-NE2	39.84	147.04	107.20
2	63	23	HIS	CG-CD2-NE2	39.84	147.04	107.20
2	67	23	HIS	CG-CD2-NE2	39.84	147.04	107.20
2	7B	23	HIS	CG-CD2-NE2	39.84	147.04	107.20
1	1E	89	PHE	CG-CD2-CE2	-39.78	53.08	120.70
1	2M	89	PHE	CG-CD2-CE2	-39.78	53.08	120.70
1	22	89	PHE	CG-CD2-CE2	-39.78	53.08	120.70
1	3M	89	PHE	CG-CD2-CE2	-39.78	53.08	120.70
1	36	89	PHE	CG-CD2-CE2	-39.78	53.08	120.70
1	4I	89	PHE	CG-CD2-CE2	-39.78	53.08	120.70
1	4Q	89	PHE	CG-CD2-CE2	-39.78	53.08	120.70
1	5Y	89	PHE	CG-CD2-CE2	-39.78	53.08	120.70
1	6E	89	PHE	CG-CD2-CE2	-39.78	53.08	120.70
1	6Y	89	PHE	CG-CD2-CE2	-39.78	53.08	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	89	PHE	CG-CD2-CE2	-39.78	53.08	120.70
1	7U	89	PHE	CG-CD2-CE2	-39.78	53.08	120.70
1	1A	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	1I	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	12	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	16	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	2A	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	2E	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	26	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	3E	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	3Q	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	3U	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	3Y	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	4A	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	4M	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	4U	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	5E	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	5I	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	5M	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	5Q	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	6I	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	6Q	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	62	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	66	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	7A	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	7M	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
2	1F	23	HIS	CG-CD2-NE2	39.77	146.97	107.20
1	1Q	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	1U	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	1Y	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
2	2N	23	HIS	CG-CD2-NE2	39.77	146.97	107.20
1	2Q	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	2U	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	2Y	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
2	23	23	HIS	CG-CD2-NE2	39.77	146.97	107.20
2	3N	23	HIS	CG-CD2-NE2	39.77	146.97	107.20
2	37	23	HIS	CG-CD2-NE2	39.77	146.97	107.20
2	4J	23	HIS	CG-CD2-NE2	39.77	146.97	107.20
2	4R	23	HIS	CG-CD2-NE2	39.77	146.97	107.20
1	42	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	46	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	5A	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5Z	23	HIS	CG-CD2-NE2	39.77	146.97	107.20
1	52	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	56	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
1	6A	89	PHE	CG-CD2-CE2	-39.77	53.09	120.70
2	6F	23	HIS	CG-CD2-NE2	39.77	146.97	107.20
2	6Z	23	HIS	CG-CD2-NE2	39.77	146.97	107.20
2	7J	23	HIS	CG-CD2-NE2	39.77	146.97	107.20
2	7V	23	HIS	CG-CD2-NE2	39.77	146.97	107.20
1	1M	89	PHE	CG-CD2-CE2	-39.76	53.10	120.70
1	2I	89	PHE	CG-CD2-CE2	-39.76	53.10	120.70
1	3A	89	PHE	CG-CD2-CE2	-39.76	53.10	120.70
1	3I	89	PHE	CG-CD2-CE2	-39.76	53.10	120.70
1	32	89	PHE	CG-CD2-CE2	-39.76	53.10	120.70
1	4E	89	PHE	CG-CD2-CE2	-39.76	53.10	120.70
1	4Y	89	PHE	CG-CD2-CE2	-39.76	53.10	120.70
1	5U	89	PHE	CG-CD2-CE2	-39.76	53.10	120.70
1	6M	89	PHE	CG-CD2-CE2	-39.76	53.10	120.70
1	6U	89	PHE	CG-CD2-CE2	-39.76	53.10	120.70
1	7E	89	PHE	CG-CD2-CE2	-39.76	53.10	120.70
1	7Q	89	PHE	CG-CD2-CE2	-39.76	53.10	120.70
2	1B	23	HIS	CG-CD2-NE2	39.76	146.96	107.20
2	1J	23	HIS	CG-CD2-NE2	39.76	146.96	107.20
2	2F	23	HIS	CG-CD2-NE2	39.76	146.96	107.20
2	27	23	HIS	CG-CD2-NE2	39.76	146.96	107.20
2	3F	23	HIS	CG-CD2-NE2	39.76	146.96	107.20
2	4B	23	HIS	CG-CD2-NE2	39.76	146.96	107.20
2	4N	23	HIS	CG-CD2-NE2	39.76	146.96	107.20
2	4V	23	HIS	CG-CD2-NE2	39.76	146.96	107.20
2	5R	23	HIS	CG-CD2-NE2	39.76	146.96	107.20
2	6J	23	HIS	CG-CD2-NE2	39.76	146.96	107.20
2	6R	23	HIS	CG-CD2-NE2	39.76	146.96	107.20
2	7N	23	HIS	CG-CD2-NE2	39.76	146.96	107.20
2	1N	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	1R	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	1V	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	1Z	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	2J	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	2R	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	2V	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	2Z	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	3B	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	3J	23	HIS	CG-CD2-NE2	39.71	146.91	107.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	4F	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	4Z	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	43	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	47	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	5B	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	5V	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	53	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	57	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	6B	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	6N	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	6V	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	7F	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
2	7R	23	HIS	CG-CD2-NE2	39.71	146.91	107.20
1	12	150	TYR	CB-CG-CD2	-39.02	62.26	120.80
1	16	150	TYR	CB-CG-CD2	-39.02	62.26	120.80
1	2A	150	TYR	CB-CG-CD2	-39.02	62.26	120.80
1	3Q	150	TYR	CB-CG-CD2	-39.02	62.26	120.80
1	3U	150	TYR	CB-CG-CD2	-39.02	62.26	120.80
1	3Y	150	TYR	CB-CG-CD2	-39.02	62.26	120.80
1	5E	150	TYR	CB-CG-CD2	-39.02	62.26	120.80
1	5I	150	TYR	CB-CG-CD2	-39.02	62.26	120.80
1	5M	150	TYR	CB-CG-CD2	-39.02	62.26	120.80
1	62	150	TYR	CB-CG-CD2	-39.02	62.26	120.80
1	66	150	TYR	CB-CG-CD2	-39.02	62.26	120.80
1	7A	150	TYR	CB-CG-CD2	-39.02	62.26	120.80
1	1E	150	TYR	CB-CG-CD2	-39.02	62.27	120.80
1	2M	150	TYR	CB-CG-CD2	-39.02	62.27	120.80
1	22	150	TYR	CB-CG-CD2	-39.02	62.27	120.80
1	3M	150	TYR	CB-CG-CD2	-39.02	62.27	120.80
1	36	150	TYR	CB-CG-CD2	-39.02	62.27	120.80
1	4I	150	TYR	CB-CG-CD2	-39.02	62.27	120.80
1	4Q	150	TYR	CB-CG-CD2	-39.02	62.27	120.80
1	5Y	150	TYR	CB-CG-CD2	-39.02	62.27	120.80
1	6E	150	TYR	CB-CG-CD2	-39.02	62.27	120.80
1	6Y	150	TYR	CB-CG-CD2	-39.02	62.27	120.80
1	7I	150	TYR	CB-CG-CD2	-39.02	62.27	120.80
1	7U	150	TYR	CB-CG-CD2	-39.02	62.27	120.80
1	1A	150	TYR	CB-CG-CD2	-39.01	62.29	120.80
1	1I	150	TYR	CB-CG-CD2	-39.01	62.29	120.80
1	2E	150	TYR	CB-CG-CD2	-39.01	62.29	120.80
1	26	150	TYR	CB-CG-CD2	-39.01	62.29	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	150	TYR	CB-CG-CD2	-39.01	62.29	120.80
1	4A	150	TYR	CB-CG-CD2	-39.01	62.29	120.80
1	4M	150	TYR	CB-CG-CD2	-39.01	62.29	120.80
1	4U	150	TYR	CB-CG-CD2	-39.01	62.29	120.80
1	5Q	150	TYR	CB-CG-CD2	-39.01	62.29	120.80
1	6I	150	TYR	CB-CG-CD2	-39.01	62.29	120.80
1	6Q	150	TYR	CB-CG-CD2	-39.01	62.29	120.80
1	7M	150	TYR	CB-CG-CD2	-39.01	62.29	120.80
1	1M	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	1Q	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	1U	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	1Y	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	2I	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	2Q	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	2U	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	2Y	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	3A	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	3I	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	32	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	4E	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	4Y	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	42	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	46	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	5A	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	5U	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	52	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	56	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	6A	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	6M	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	6U	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	7E	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
1	7Q	150	TYR	CB-CG-CD2	-39.00	62.30	120.80
2	1F	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	2N	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	23	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	3N	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	37	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	4J	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	4R	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	5Z	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	6F	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	6Z	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	7V	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	1R	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	1V	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	1Z	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	2R	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	2V	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	2Z	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	43	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	47	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	5B	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	53	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	57	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	6B	31	PHE	CE1-CZ-CE2	-36.98	53.44	120.00
2	13	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	17	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	2B	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	3R	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	3V	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	3Z	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	5F	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	5J	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	5N	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	63	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	67	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	7B	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	1B	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	1J	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	2F	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	27	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	3F	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	4B	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	4N	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	4V	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	5R	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	6J	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	6R	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	7N	31	PHE	CE1-CZ-CE2	-36.97	53.45	120.00
2	1N	31	PHE	CE1-CZ-CE2	-36.97	53.46	120.00
2	2J	31	PHE	CE1-CZ-CE2	-36.97	53.46	120.00
2	3B	31	PHE	CE1-CZ-CE2	-36.97	53.46	120.00
2	3J	31	PHE	CE1-CZ-CE2	-36.97	53.46	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	31	PHE	CE1-CZ-CE2	-36.97	53.46	120.00
2	4F	31	PHE	CE1-CZ-CE2	-36.97	53.46	120.00
2	4Z	31	PHE	CE1-CZ-CE2	-36.97	53.46	120.00
2	5V	31	PHE	CE1-CZ-CE2	-36.97	53.46	120.00
2	6N	31	PHE	CE1-CZ-CE2	-36.97	53.46	120.00
2	6V	31	PHE	CE1-CZ-CE2	-36.97	53.46	120.00
2	7F	31	PHE	CE1-CZ-CE2	-36.97	53.46	120.00
2	7R	31	PHE	CE1-CZ-CE2	-36.97	53.46	120.00
1	1M	39	GLN	OE1-CD-NE2	36.62	159.22	122.60
1	2I	39	GLN	OE1-CD-NE2	36.62	159.22	122.60
1	3A	39	GLN	OE1-CD-NE2	36.62	159.22	122.60
1	3I	39	GLN	OE1-CD-NE2	36.62	159.22	122.60
1	32	39	GLN	OE1-CD-NE2	36.62	159.22	122.60
1	4E	39	GLN	OE1-CD-NE2	36.62	159.22	122.60
1	4Y	39	GLN	OE1-CD-NE2	36.62	159.22	122.60
1	5U	39	GLN	OE1-CD-NE2	36.62	159.22	122.60
1	6M	39	GLN	OE1-CD-NE2	36.62	159.22	122.60
1	6U	39	GLN	OE1-CD-NE2	36.62	159.22	122.60
1	7E	39	GLN	OE1-CD-NE2	36.62	159.22	122.60
1	7Q	39	GLN	OE1-CD-NE2	36.62	159.22	122.60
1	1Q	39	GLN	OE1-CD-NE2	36.60	159.21	122.60
1	1U	39	GLN	OE1-CD-NE2	36.60	159.21	122.60
1	1Y	39	GLN	OE1-CD-NE2	36.60	159.21	122.60
1	2Q	39	GLN	OE1-CD-NE2	36.60	159.21	122.60
1	2U	39	GLN	OE1-CD-NE2	36.60	159.21	122.60
1	2Y	39	GLN	OE1-CD-NE2	36.60	159.21	122.60
1	42	39	GLN	OE1-CD-NE2	36.60	159.21	122.60
1	46	39	GLN	OE1-CD-NE2	36.60	159.21	122.60
1	5A	39	GLN	OE1-CD-NE2	36.60	159.21	122.60
1	52	39	GLN	OE1-CD-NE2	36.60	159.21	122.60
1	56	39	GLN	OE1-CD-NE2	36.60	159.21	122.60
1	6A	39	GLN	OE1-CD-NE2	36.60	159.21	122.60
1	12	39	GLN	OE1-CD-NE2	36.60	159.20	122.60
1	16	39	GLN	OE1-CD-NE2	36.60	159.20	122.60
1	2A	39	GLN	OE1-CD-NE2	36.60	159.20	122.60
1	3Q	39	GLN	OE1-CD-NE2	36.60	159.20	122.60
1	3U	39	GLN	OE1-CD-NE2	36.60	159.20	122.60
1	3Y	39	GLN	OE1-CD-NE2	36.60	159.20	122.60
1	5E	39	GLN	OE1-CD-NE2	36.60	159.20	122.60
1	5I	39	GLN	OE1-CD-NE2	36.60	159.20	122.60
1	5M	39	GLN	OE1-CD-NE2	36.60	159.20	122.60
1	62	39	GLN	OE1-CD-NE2	36.60	159.20	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	39	GLN	OE1-CD-NE2	36.60	159.20	122.60
1	7A	39	GLN	OE1-CD-NE2	36.60	159.20	122.60
1	1A	39	GLN	OE1-CD-NE2	36.59	159.19	122.60
1	1I	39	GLN	OE1-CD-NE2	36.59	159.19	122.60
1	2E	39	GLN	OE1-CD-NE2	36.59	159.19	122.60
1	26	39	GLN	OE1-CD-NE2	36.59	159.19	122.60
1	3E	39	GLN	OE1-CD-NE2	36.59	159.19	122.60
1	4A	39	GLN	OE1-CD-NE2	36.59	159.19	122.60
1	4M	39	GLN	OE1-CD-NE2	36.59	159.19	122.60
1	4U	39	GLN	OE1-CD-NE2	36.59	159.19	122.60
1	5Q	39	GLN	OE1-CD-NE2	36.59	159.19	122.60
1	6I	39	GLN	OE1-CD-NE2	36.59	159.19	122.60
1	6Q	39	GLN	OE1-CD-NE2	36.59	159.19	122.60
1	7M	39	GLN	OE1-CD-NE2	36.59	159.19	122.60
1	1E	39	GLN	OE1-CD-NE2	36.56	159.16	122.60
1	2M	39	GLN	OE1-CD-NE2	36.56	159.16	122.60
1	22	39	GLN	OE1-CD-NE2	36.56	159.16	122.60
1	3M	39	GLN	OE1-CD-NE2	36.56	159.16	122.60
1	36	39	GLN	OE1-CD-NE2	36.56	159.16	122.60
1	4I	39	GLN	OE1-CD-NE2	36.56	159.16	122.60
1	4Q	39	GLN	OE1-CD-NE2	36.56	159.16	122.60
1	5Y	39	GLN	OE1-CD-NE2	36.56	159.16	122.60
1	6E	39	GLN	OE1-CD-NE2	36.56	159.16	122.60
1	6Y	39	GLN	OE1-CD-NE2	36.56	159.16	122.60
1	7I	39	GLN	OE1-CD-NE2	36.56	159.16	122.60
1	7U	39	GLN	OE1-CD-NE2	36.56	159.16	122.60
1	1Q	150	TYR	CD1-CG-CD2	36.43	172.75	118.10
1	1U	150	TYR	CD1-CG-CD2	36.43	172.75	118.10
1	1Y	150	TYR	CD1-CG-CD2	36.43	172.75	118.10
1	2Q	150	TYR	CD1-CG-CD2	36.43	172.75	118.10
1	2U	150	TYR	CD1-CG-CD2	36.43	172.75	118.10
1	2Y	150	TYR	CD1-CG-CD2	36.43	172.75	118.10
1	42	150	TYR	CD1-CG-CD2	36.43	172.75	118.10
1	46	150	TYR	CD1-CG-CD2	36.43	172.75	118.10
1	5A	150	TYR	CD1-CG-CD2	36.43	172.75	118.10
1	52	150	TYR	CD1-CG-CD2	36.43	172.75	118.10
1	56	150	TYR	CD1-CG-CD2	36.43	172.75	118.10
1	6A	150	TYR	CD1-CG-CD2	36.43	172.75	118.10
1	1M	150	TYR	CD1-CG-CD2	36.42	172.72	118.10
1	2I	150	TYR	CD1-CG-CD2	36.42	172.72	118.10
1	3A	150	TYR	CD1-CG-CD2	36.42	172.72	118.10
1	3I	150	TYR	CD1-CG-CD2	36.42	172.72	118.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	150	TYR	CD1-CG-CD2	36.42	172.72	118.10
1	4E	150	TYR	CD1-CG-CD2	36.42	172.72	118.10
1	4Y	150	TYR	CD1-CG-CD2	36.42	172.72	118.10
1	5U	150	TYR	CD1-CG-CD2	36.42	172.72	118.10
1	6M	150	TYR	CD1-CG-CD2	36.42	172.72	118.10
1	6U	150	TYR	CD1-CG-CD2	36.42	172.72	118.10
1	7E	150	TYR	CD1-CG-CD2	36.42	172.72	118.10
1	7Q	150	TYR	CD1-CG-CD2	36.42	172.72	118.10
1	1A	150	TYR	CD1-CG-CD2	36.41	172.72	118.10
1	1I	150	TYR	CD1-CG-CD2	36.41	172.72	118.10
1	2E	150	TYR	CD1-CG-CD2	36.41	172.72	118.10
1	26	150	TYR	CD1-CG-CD2	36.41	172.72	118.10
1	3E	150	TYR	CD1-CG-CD2	36.41	172.72	118.10
1	4A	150	TYR	CD1-CG-CD2	36.41	172.72	118.10
1	4M	150	TYR	CD1-CG-CD2	36.41	172.72	118.10
1	4U	150	TYR	CD1-CG-CD2	36.41	172.72	118.10
1	5Q	150	TYR	CD1-CG-CD2	36.41	172.72	118.10
1	6I	150	TYR	CD1-CG-CD2	36.41	172.72	118.10
1	6Q	150	TYR	CD1-CG-CD2	36.41	172.72	118.10
1	7M	150	TYR	CD1-CG-CD2	36.41	172.72	118.10
1	1E	150	TYR	CD1-CG-CD2	36.39	172.68	118.10
1	2M	150	TYR	CD1-CG-CD2	36.39	172.68	118.10
1	22	150	TYR	CD1-CG-CD2	36.39	172.68	118.10
1	3M	150	TYR	CD1-CG-CD2	36.39	172.68	118.10
1	36	150	TYR	CD1-CG-CD2	36.39	172.68	118.10
1	4I	150	TYR	CD1-CG-CD2	36.39	172.68	118.10
1	4Q	150	TYR	CD1-CG-CD2	36.39	172.68	118.10
1	5Y	150	TYR	CD1-CG-CD2	36.39	172.68	118.10
1	6E	150	TYR	CD1-CG-CD2	36.39	172.68	118.10
1	6Y	150	TYR	CD1-CG-CD2	36.39	172.68	118.10
1	7I	150	TYR	CD1-CG-CD2	36.39	172.68	118.10
1	7U	150	TYR	CD1-CG-CD2	36.39	172.68	118.10
1	12	150	TYR	CD1-CG-CD2	36.38	172.67	118.10
1	16	150	TYR	CD1-CG-CD2	36.38	172.67	118.10
1	2A	150	TYR	CD1-CG-CD2	36.38	172.67	118.10
1	3Q	150	TYR	CD1-CG-CD2	36.38	172.67	118.10
1	3U	150	TYR	CD1-CG-CD2	36.38	172.67	118.10
1	3Y	150	TYR	CD1-CG-CD2	36.38	172.67	118.10
1	5E	150	TYR	CD1-CG-CD2	36.38	172.67	118.10
1	5I	150	TYR	CD1-CG-CD2	36.38	172.67	118.10
1	5M	150	TYR	CD1-CG-CD2	36.38	172.67	118.10
1	62	150	TYR	CD1-CG-CD2	36.38	172.67	118.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	150	TYR	CD1-CG-CD2	36.38	172.67	118.10
1	7A	150	TYR	CD1-CG-CD2	36.38	172.67	118.10
1	1A	65	PHE	CG-CD2-CE2	-36.27	59.04	120.70
1	1E	65	PHE	CG-CD2-CE2	-36.27	59.05	120.70
1	1I	65	PHE	CG-CD2-CE2	-36.27	59.04	120.70
1	2E	65	PHE	CG-CD2-CE2	-36.27	59.04	120.70
1	2M	65	PHE	CG-CD2-CE2	-36.27	59.05	120.70
1	22	65	PHE	CG-CD2-CE2	-36.27	59.05	120.70
1	26	65	PHE	CG-CD2-CE2	-36.27	59.04	120.70
1	3E	65	PHE	CG-CD2-CE2	-36.27	59.04	120.70
1	3M	65	PHE	CG-CD2-CE2	-36.27	59.05	120.70
1	36	65	PHE	CG-CD2-CE2	-36.27	59.05	120.70
1	4A	65	PHE	CG-CD2-CE2	-36.27	59.04	120.70
1	4I	65	PHE	CG-CD2-CE2	-36.27	59.05	120.70
1	4M	65	PHE	CG-CD2-CE2	-36.27	59.04	120.70
1	4Q	65	PHE	CG-CD2-CE2	-36.27	59.05	120.70
1	4U	65	PHE	CG-CD2-CE2	-36.27	59.04	120.70
1	5Q	65	PHE	CG-CD2-CE2	-36.27	59.04	120.70
1	5Y	65	PHE	CG-CD2-CE2	-36.27	59.05	120.70
1	6E	65	PHE	CG-CD2-CE2	-36.27	59.05	120.70
1	6I	65	PHE	CG-CD2-CE2	-36.27	59.04	120.70
1	6Q	65	PHE	CG-CD2-CE2	-36.27	59.04	120.70
1	6Y	65	PHE	CG-CD2-CE2	-36.27	59.05	120.70
1	7I	65	PHE	CG-CD2-CE2	-36.27	59.05	120.70
1	7M	65	PHE	CG-CD2-CE2	-36.27	59.04	120.70
1	7U	65	PHE	CG-CD2-CE2	-36.27	59.05	120.70
1	1M	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	1Q	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	1U	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	1Y	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	12	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	16	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	2A	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	2I	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	2Q	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	2U	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	2Y	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	3A	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	3I	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	3Q	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	3U	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	3Y	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	4E	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	4Y	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	42	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	46	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	5A	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	5E	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	5I	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	5M	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	5U	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	52	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	56	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	6A	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	6M	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	6U	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	62	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	66	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	7A	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	7E	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	7Q	65	PHE	CG-CD2-CE2	-36.26	59.06	120.70
1	1Q	52	PHE	CB-CG-CD2	-36.00	59.50	120.70
1	1U	52	PHE	CB-CG-CD2	-36.00	59.50	120.70
1	1Y	52	PHE	CB-CG-CD2	-36.00	59.50	120.70
1	2Q	52	PHE	CB-CG-CD2	-36.00	59.50	120.70
1	2U	52	PHE	CB-CG-CD2	-36.00	59.50	120.70
1	2Y	52	PHE	CB-CG-CD2	-36.00	59.50	120.70
1	42	52	PHE	CB-CG-CD2	-36.00	59.50	120.70
1	46	52	PHE	CB-CG-CD2	-36.00	59.50	120.70
1	5A	52	PHE	CB-CG-CD2	-36.00	59.50	120.70
1	52	52	PHE	CB-CG-CD2	-36.00	59.50	120.70
1	56	52	PHE	CB-CG-CD2	-36.00	59.50	120.70
1	6A	52	PHE	CB-CG-CD2	-36.00	59.50	120.70
1	1E	52	PHE	CB-CG-CD2	-35.98	59.53	120.70
1	2M	52	PHE	CB-CG-CD2	-35.98	59.53	120.70
1	22	52	PHE	CB-CG-CD2	-35.98	59.53	120.70
1	3M	52	PHE	CB-CG-CD2	-35.98	59.53	120.70
1	36	52	PHE	CB-CG-CD2	-35.98	59.53	120.70
1	4I	52	PHE	CB-CG-CD2	-35.98	59.53	120.70
1	4Q	52	PHE	CB-CG-CD2	-35.98	59.53	120.70
1	5Y	52	PHE	CB-CG-CD2	-35.98	59.53	120.70
1	6E	52	PHE	CB-CG-CD2	-35.98	59.53	120.70
1	6Y	52	PHE	CB-CG-CD2	-35.98	59.53	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	52	PHE	CB-CG-CD2	-35.98	59.53	120.70
1	7U	52	PHE	CB-CG-CD2	-35.98	59.53	120.70
1	1A	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	1I	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	1M	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	2E	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	2I	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	26	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	3A	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	3E	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	3I	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	32	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	4A	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	4E	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	4M	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	4U	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	4Y	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	5Q	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	5U	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	6I	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	6M	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	6Q	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	6U	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	7E	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	7M	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	7Q	52	PHE	CB-CG-CD2	-35.97	59.56	120.70
1	12	52	PHE	CB-CG-CD2	-35.96	59.56	120.70
1	16	52	PHE	CB-CG-CD2	-35.96	59.56	120.70
1	2A	52	PHE	CB-CG-CD2	-35.96	59.56	120.70
1	3Q	52	PHE	CB-CG-CD2	-35.96	59.56	120.70
1	3U	52	PHE	CB-CG-CD2	-35.96	59.56	120.70
1	3Y	52	PHE	CB-CG-CD2	-35.96	59.56	120.70
1	5E	52	PHE	CB-CG-CD2	-35.96	59.56	120.70
1	5I	52	PHE	CB-CG-CD2	-35.96	59.56	120.70
1	5M	52	PHE	CB-CG-CD2	-35.96	59.56	120.70
1	62	52	PHE	CB-CG-CD2	-35.96	59.56	120.70
1	66	52	PHE	CB-CG-CD2	-35.96	59.56	120.70
1	7A	52	PHE	CB-CG-CD2	-35.96	59.56	120.70
1	1Q	151	ASN	CA-C-O	35.38	145.66	120.19
1	1U	151	ASN	CA-C-O	35.38	145.66	120.19
1	1Y	151	ASN	CA-C-O	35.38	145.66	120.19
1	2Q	151	ASN	CA-C-O	35.38	145.66	120.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	151	ASN	CA-C-O	35.38	145.66	120.19
1	2Y	151	ASN	CA-C-O	35.38	145.66	120.19
1	42	151	ASN	CA-C-O	35.38	145.66	120.19
1	46	151	ASN	CA-C-O	35.38	145.66	120.19
1	5A	151	ASN	CA-C-O	35.38	145.66	120.19
1	52	151	ASN	CA-C-O	35.38	145.66	120.19
1	56	151	ASN	CA-C-O	35.38	145.66	120.19
1	6A	151	ASN	CA-C-O	35.38	145.66	120.19
1	1E	151	ASN	CA-C-O	35.34	145.64	120.19
1	2M	151	ASN	CA-C-O	35.34	145.64	120.19
1	22	151	ASN	CA-C-O	35.34	145.64	120.19
1	3M	151	ASN	CA-C-O	35.34	145.64	120.19
1	36	151	ASN	CA-C-O	35.34	145.64	120.19
1	4I	151	ASN	CA-C-O	35.34	145.64	120.19
1	4Q	151	ASN	CA-C-O	35.34	145.64	120.19
1	5Y	151	ASN	CA-C-O	35.34	145.64	120.19
1	6E	151	ASN	CA-C-O	35.34	145.64	120.19
1	6Y	151	ASN	CA-C-O	35.34	145.64	120.19
1	7I	151	ASN	CA-C-O	35.34	145.64	120.19
1	7U	151	ASN	CA-C-O	35.34	145.64	120.19
1	1M	151	ASN	CA-C-O	35.34	145.64	120.19
1	2I	151	ASN	CA-C-O	35.34	145.64	120.19
1	3A	151	ASN	CA-C-O	35.34	145.64	120.19
1	3I	151	ASN	CA-C-O	35.34	145.64	120.19
1	32	151	ASN	CA-C-O	35.34	145.64	120.19
1	4E	151	ASN	CA-C-O	35.34	145.64	120.19
1	4Y	151	ASN	CA-C-O	35.34	145.64	120.19
1	5U	151	ASN	CA-C-O	35.34	145.64	120.19
1	6M	151	ASN	CA-C-O	35.34	145.64	120.19
1	6U	151	ASN	CA-C-O	35.34	145.64	120.19
1	7E	151	ASN	CA-C-O	35.34	145.64	120.19
1	7Q	151	ASN	CA-C-O	35.34	145.64	120.19
1	12	151	ASN	CA-C-O	35.32	145.62	120.19
1	16	151	ASN	CA-C-O	35.32	145.62	120.19
1	2A	151	ASN	CA-C-O	35.32	145.62	120.19
1	3Q	151	ASN	CA-C-O	35.32	145.62	120.19
1	3U	151	ASN	CA-C-O	35.32	145.62	120.19
1	3Y	151	ASN	CA-C-O	35.32	145.62	120.19
1	5E	151	ASN	CA-C-O	35.32	145.62	120.19
1	5I	151	ASN	CA-C-O	35.32	145.62	120.19
1	5M	151	ASN	CA-C-O	35.32	145.62	120.19
1	62	151	ASN	CA-C-O	35.32	145.62	120.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	151	ASN	CA-C-O	35.32	145.62	120.19
1	7A	151	ASN	CA-C-O	35.32	145.62	120.19
1	1A	151	ASN	CA-C-O	35.27	145.59	120.19
1	1I	151	ASN	CA-C-O	35.27	145.59	120.19
1	2E	151	ASN	CA-C-O	35.27	145.59	120.19
1	26	151	ASN	CA-C-O	35.27	145.59	120.19
1	3E	151	ASN	CA-C-O	35.27	145.59	120.19
1	4A	151	ASN	CA-C-O	35.27	145.59	120.19
1	4M	151	ASN	CA-C-O	35.27	145.59	120.19
1	4U	151	ASN	CA-C-O	35.27	145.59	120.19
1	5Q	151	ASN	CA-C-O	35.27	145.59	120.19
1	6I	151	ASN	CA-C-O	35.27	145.59	120.19
1	6Q	151	ASN	CA-C-O	35.27	145.59	120.19
1	7M	151	ASN	CA-C-O	35.27	145.59	120.19
1	12	150	TYR	CG-CD2-CE2	-34.96	68.76	121.20
1	16	150	TYR	CG-CD2-CE2	-34.96	68.76	121.20
1	2A	150	TYR	CG-CD2-CE2	-34.96	68.76	121.20
1	3Q	150	TYR	CG-CD2-CE2	-34.96	68.76	121.20
1	3U	150	TYR	CG-CD2-CE2	-34.96	68.76	121.20
1	3Y	150	TYR	CG-CD2-CE2	-34.96	68.76	121.20
1	5E	150	TYR	CG-CD2-CE2	-34.96	68.76	121.20
1	5I	150	TYR	CG-CD2-CE2	-34.96	68.76	121.20
1	5M	150	TYR	CG-CD2-CE2	-34.96	68.76	121.20
1	62	150	TYR	CG-CD2-CE2	-34.96	68.76	121.20
1	66	150	TYR	CG-CD2-CE2	-34.96	68.76	121.20
1	7A	150	TYR	CG-CD2-CE2	-34.96	68.76	121.20
1	1E	150	TYR	CG-CD2-CE2	-34.95	68.77	121.20
1	2M	150	TYR	CG-CD2-CE2	-34.95	68.77	121.20
1	22	150	TYR	CG-CD2-CE2	-34.95	68.77	121.20
1	3M	150	TYR	CG-CD2-CE2	-34.95	68.77	121.20
1	36	150	TYR	CG-CD2-CE2	-34.95	68.77	121.20
1	4I	150	TYR	CG-CD2-CE2	-34.95	68.77	121.20
1	4Q	150	TYR	CG-CD2-CE2	-34.95	68.77	121.20
1	5Y	150	TYR	CG-CD2-CE2	-34.95	68.77	121.20
1	6E	150	TYR	CG-CD2-CE2	-34.95	68.77	121.20
1	6Y	150	TYR	CG-CD2-CE2	-34.95	68.77	121.20
1	7I	150	TYR	CG-CD2-CE2	-34.95	68.77	121.20
1	7U	150	TYR	CG-CD2-CE2	-34.95	68.77	121.20
1	1A	150	TYR	CG-CD2-CE2	-34.94	68.78	121.20
1	1I	150	TYR	CG-CD2-CE2	-34.94	68.78	121.20
1	2E	150	TYR	CG-CD2-CE2	-34.94	68.78	121.20
1	26	150	TYR	CG-CD2-CE2	-34.94	68.78	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	150	TYR	CG-CD2-CE2	-34.94	68.78	121.20
1	4A	150	TYR	CG-CD2-CE2	-34.94	68.78	121.20
1	4M	150	TYR	CG-CD2-CE2	-34.94	68.78	121.20
1	4U	150	TYR	CG-CD2-CE2	-34.94	68.78	121.20
1	5Q	150	TYR	CG-CD2-CE2	-34.94	68.78	121.20
1	6I	150	TYR	CG-CD2-CE2	-34.94	68.78	121.20
1	6Q	150	TYR	CG-CD2-CE2	-34.94	68.78	121.20
1	7M	150	TYR	CG-CD2-CE2	-34.94	68.78	121.20
1	1Q	150	TYR	CG-CD2-CE2	-34.94	68.79	121.20
1	1U	150	TYR	CG-CD2-CE2	-34.94	68.79	121.20
1	1Y	150	TYR	CG-CD2-CE2	-34.94	68.79	121.20
1	2Q	150	TYR	CG-CD2-CE2	-34.94	68.79	121.20
1	2U	150	TYR	CG-CD2-CE2	-34.94	68.79	121.20
1	2Y	150	TYR	CG-CD2-CE2	-34.94	68.79	121.20
1	42	150	TYR	CG-CD2-CE2	-34.94	68.79	121.20
1	46	150	TYR	CG-CD2-CE2	-34.94	68.79	121.20
1	5A	150	TYR	CG-CD2-CE2	-34.94	68.79	121.20
1	52	150	TYR	CG-CD2-CE2	-34.94	68.79	121.20
1	56	150	TYR	CG-CD2-CE2	-34.94	68.79	121.20
1	6A	150	TYR	CG-CD2-CE2	-34.94	68.79	121.20
1	1M	150	TYR	CG-CD2-CE2	-34.94	68.80	121.20
1	2I	150	TYR	CG-CD2-CE2	-34.94	68.80	121.20
1	3A	150	TYR	CG-CD2-CE2	-34.94	68.80	121.20
1	3I	150	TYR	CG-CD2-CE2	-34.94	68.80	121.20
1	32	150	TYR	CG-CD2-CE2	-34.94	68.80	121.20
1	4E	150	TYR	CG-CD2-CE2	-34.94	68.80	121.20
1	4Y	150	TYR	CG-CD2-CE2	-34.94	68.80	121.20
1	5U	150	TYR	CG-CD2-CE2	-34.94	68.80	121.20
1	6M	150	TYR	CG-CD2-CE2	-34.94	68.80	121.20
1	6U	150	TYR	CG-CD2-CE2	-34.94	68.80	121.20
1	7E	150	TYR	CG-CD2-CE2	-34.94	68.80	121.20
1	7Q	150	TYR	CG-CD2-CE2	-34.94	68.80	121.20
1	1E	48	TYR	CB-CG-CD2	-34.21	69.49	120.80
1	2M	48	TYR	CB-CG-CD2	-34.21	69.49	120.80
1	22	48	TYR	CB-CG-CD2	-34.21	69.49	120.80
1	3M	48	TYR	CB-CG-CD2	-34.21	69.49	120.80
1	36	48	TYR	CB-CG-CD2	-34.21	69.49	120.80
1	4I	48	TYR	CB-CG-CD2	-34.21	69.49	120.80
1	4Q	48	TYR	CB-CG-CD2	-34.21	69.49	120.80
1	5Y	48	TYR	CB-CG-CD2	-34.21	69.49	120.80
1	6E	48	TYR	CB-CG-CD2	-34.21	69.49	120.80
1	6Y	48	TYR	CB-CG-CD2	-34.21	69.49	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	48	TYR	CB-CG-CD2	-34.21	69.49	120.80
1	7U	48	TYR	CB-CG-CD2	-34.21	69.49	120.80
1	12	48	TYR	CB-CG-CD2	-34.20	69.51	120.80
1	16	48	TYR	CB-CG-CD2	-34.20	69.51	120.80
1	2A	48	TYR	CB-CG-CD2	-34.20	69.51	120.80
1	3Q	48	TYR	CB-CG-CD2	-34.20	69.51	120.80
1	3U	48	TYR	CB-CG-CD2	-34.20	69.51	120.80
1	3Y	48	TYR	CB-CG-CD2	-34.20	69.51	120.80
1	5E	48	TYR	CB-CG-CD2	-34.20	69.51	120.80
1	5I	48	TYR	CB-CG-CD2	-34.20	69.51	120.80
1	5M	48	TYR	CB-CG-CD2	-34.20	69.51	120.80
1	62	48	TYR	CB-CG-CD2	-34.20	69.51	120.80
1	66	48	TYR	CB-CG-CD2	-34.20	69.51	120.80
1	7A	48	TYR	CB-CG-CD2	-34.20	69.51	120.80
1	1M	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	2I	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	3A	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	3I	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	32	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	4E	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	4Y	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	5U	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	6M	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	6U	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	7E	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	7Q	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	1Q	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	1U	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	1Y	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	2Q	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	2U	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	2Y	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	42	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	46	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	5A	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	52	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	56	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	6A	48	TYR	CB-CG-CD2	-34.19	69.51	120.80
1	1A	48	TYR	CB-CG-CD2	-34.19	69.52	120.80
1	1I	48	TYR	CB-CG-CD2	-34.19	69.52	120.80
1	2E	48	TYR	CB-CG-CD2	-34.19	69.52	120.80
1	26	48	TYR	CB-CG-CD2	-34.19	69.52	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	48	TYR	CB-CG-CD2	-34.19	69.52	120.80
1	4A	48	TYR	CB-CG-CD2	-34.19	69.52	120.80
1	4M	48	TYR	CB-CG-CD2	-34.19	69.52	120.80
1	4U	48	TYR	CB-CG-CD2	-34.19	69.52	120.80
1	5Q	48	TYR	CB-CG-CD2	-34.19	69.52	120.80
1	6I	48	TYR	CB-CG-CD2	-34.19	69.52	120.80
1	6Q	48	TYR	CB-CG-CD2	-34.19	69.52	120.80
1	7M	48	TYR	CB-CG-CD2	-34.19	69.52	120.80
1	12	21	ASN	CA-CB-CG	34.08	146.68	112.60
1	16	21	ASN	CA-CB-CG	34.08	146.68	112.60
1	2A	21	ASN	CA-CB-CG	34.08	146.68	112.60
1	3Q	21	ASN	CA-CB-CG	34.08	146.68	112.60
1	3U	21	ASN	CA-CB-CG	34.08	146.68	112.60
1	3Y	21	ASN	CA-CB-CG	34.08	146.68	112.60
1	5E	21	ASN	CA-CB-CG	34.08	146.68	112.60
1	5I	21	ASN	CA-CB-CG	34.08	146.68	112.60
1	5M	21	ASN	CA-CB-CG	34.08	146.68	112.60
1	62	21	ASN	CA-CB-CG	34.08	146.68	112.60
1	66	21	ASN	CA-CB-CG	34.08	146.68	112.60
1	7A	21	ASN	CA-CB-CG	34.08	146.68	112.60
1	1Q	21	ASN	CA-CB-CG	34.07	146.67	112.60
1	1U	21	ASN	CA-CB-CG	34.07	146.67	112.60
1	1Y	21	ASN	CA-CB-CG	34.07	146.67	112.60
1	2Q	21	ASN	CA-CB-CG	34.07	146.67	112.60
1	2U	21	ASN	CA-CB-CG	34.07	146.67	112.60
1	2Y	21	ASN	CA-CB-CG	34.07	146.67	112.60
1	42	21	ASN	CA-CB-CG	34.07	146.67	112.60
1	46	21	ASN	CA-CB-CG	34.07	146.67	112.60
1	5A	21	ASN	CA-CB-CG	34.07	146.67	112.60
1	52	21	ASN	CA-CB-CG	34.07	146.67	112.60
1	56	21	ASN	CA-CB-CG	34.07	146.67	112.60
1	6A	21	ASN	CA-CB-CG	34.07	146.67	112.60
1	1E	21	ASN	CA-CB-CG	34.06	146.66	112.60
1	2M	21	ASN	CA-CB-CG	34.06	146.66	112.60
1	22	21	ASN	CA-CB-CG	34.06	146.66	112.60
1	3M	21	ASN	CA-CB-CG	34.06	146.66	112.60
1	36	21	ASN	CA-CB-CG	34.06	146.66	112.60
1	4I	21	ASN	CA-CB-CG	34.06	146.66	112.60
1	4Q	21	ASN	CA-CB-CG	34.06	146.66	112.60
1	5Y	21	ASN	CA-CB-CG	34.06	146.66	112.60
1	6E	21	ASN	CA-CB-CG	34.06	146.66	112.60
1	6Y	21	ASN	CA-CB-CG	34.06	146.66	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	21	ASN	CA-CB-CG	34.06	146.66	112.60
1	7U	21	ASN	CA-CB-CG	34.06	146.66	112.60
1	1A	21	ASN	CA-CB-CG	34.05	146.66	112.60
1	1I	21	ASN	CA-CB-CG	34.05	146.66	112.60
1	2E	21	ASN	CA-CB-CG	34.05	146.66	112.60
1	26	21	ASN	CA-CB-CG	34.05	146.66	112.60
1	3E	21	ASN	CA-CB-CG	34.05	146.66	112.60
1	4A	21	ASN	CA-CB-CG	34.05	146.66	112.60
1	4M	21	ASN	CA-CB-CG	34.05	146.66	112.60
1	4U	21	ASN	CA-CB-CG	34.05	146.66	112.60
1	5Q	21	ASN	CA-CB-CG	34.05	146.66	112.60
1	6I	21	ASN	CA-CB-CG	34.05	146.66	112.60
1	6Q	21	ASN	CA-CB-CG	34.05	146.66	112.60
1	7M	21	ASN	CA-CB-CG	34.05	146.66	112.60
1	1M	21	ASN	CA-CB-CG	34.05	146.65	112.60
1	2I	21	ASN	CA-CB-CG	34.05	146.65	112.60
1	3A	21	ASN	CA-CB-CG	34.05	146.65	112.60
1	3I	21	ASN	CA-CB-CG	34.05	146.65	112.60
1	32	21	ASN	CA-CB-CG	34.05	146.65	112.60
1	4E	21	ASN	CA-CB-CG	34.05	146.65	112.60
1	4Y	21	ASN	CA-CB-CG	34.05	146.65	112.60
1	5U	21	ASN	CA-CB-CG	34.05	146.65	112.60
1	6M	21	ASN	CA-CB-CG	34.05	146.65	112.60
1	6U	21	ASN	CA-CB-CG	34.05	146.65	112.60
1	7E	21	ASN	CA-CB-CG	34.05	146.65	112.60
1	7Q	21	ASN	CA-CB-CG	34.05	146.65	112.60
2	1N	15	VAL	CB-CA-C	33.85	157.59	111.21
2	2J	15	VAL	CB-CA-C	33.85	157.59	111.21
2	3B	15	VAL	CB-CA-C	33.85	157.59	111.21
2	3J	15	VAL	CB-CA-C	33.85	157.59	111.21
2	33	15	VAL	CB-CA-C	33.85	157.59	111.21
2	4F	15	VAL	CB-CA-C	33.85	157.59	111.21
2	4Z	15	VAL	CB-CA-C	33.85	157.59	111.21
2	5V	15	VAL	CB-CA-C	33.85	157.59	111.21
2	6N	15	VAL	CB-CA-C	33.85	157.59	111.21
2	6V	15	VAL	CB-CA-C	33.85	157.59	111.21
2	7F	15	VAL	CB-CA-C	33.85	157.59	111.21
2	7R	15	VAL	CB-CA-C	33.85	157.59	111.21
2	1B	15	VAL	CB-CA-C	33.84	157.57	111.21
2	1J	15	VAL	CB-CA-C	33.84	157.57	111.21
2	2F	15	VAL	CB-CA-C	33.84	157.57	111.21
2	27	15	VAL	CB-CA-C	33.84	157.57	111.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	15	VAL	CB-CA-C	33.84	157.57	111.21
2	4B	15	VAL	CB-CA-C	33.84	157.57	111.21
2	4N	15	VAL	CB-CA-C	33.84	157.57	111.21
2	4V	15	VAL	CB-CA-C	33.84	157.57	111.21
2	5R	15	VAL	CB-CA-C	33.84	157.57	111.21
2	6J	15	VAL	CB-CA-C	33.84	157.57	111.21
2	6R	15	VAL	CB-CA-C	33.84	157.57	111.21
2	7N	15	VAL	CB-CA-C	33.84	157.57	111.21
2	13	15	VAL	CB-CA-C	33.83	157.56	111.21
2	17	15	VAL	CB-CA-C	33.83	157.56	111.21
2	2B	15	VAL	CB-CA-C	33.83	157.56	111.21
2	3R	15	VAL	CB-CA-C	33.83	157.56	111.21
2	3V	15	VAL	CB-CA-C	33.83	157.56	111.21
2	3Z	15	VAL	CB-CA-C	33.83	157.56	111.21
2	5F	15	VAL	CB-CA-C	33.83	157.56	111.21
2	5J	15	VAL	CB-CA-C	33.83	157.56	111.21
2	5N	15	VAL	CB-CA-C	33.83	157.56	111.21
2	63	15	VAL	CB-CA-C	33.83	157.56	111.21
2	67	15	VAL	CB-CA-C	33.83	157.56	111.21
2	7B	15	VAL	CB-CA-C	33.83	157.56	111.21
2	1F	15	VAL	CB-CA-C	33.83	157.56	111.21
2	2N	15	VAL	CB-CA-C	33.83	157.56	111.21
2	23	15	VAL	CB-CA-C	33.83	157.56	111.21
2	3N	15	VAL	CB-CA-C	33.83	157.56	111.21
2	37	15	VAL	CB-CA-C	33.83	157.56	111.21
2	4J	15	VAL	CB-CA-C	33.83	157.56	111.21
2	4R	15	VAL	CB-CA-C	33.83	157.56	111.21
2	5Z	15	VAL	CB-CA-C	33.83	157.56	111.21
2	6F	15	VAL	CB-CA-C	33.83	157.56	111.21
2	6Z	15	VAL	CB-CA-C	33.83	157.56	111.21
2	7J	15	VAL	CB-CA-C	33.83	157.56	111.21
2	7V	15	VAL	CB-CA-C	33.83	157.56	111.21
2	1R	15	VAL	CB-CA-C	33.82	157.54	111.21
2	1V	15	VAL	CB-CA-C	33.82	157.54	111.21
2	1Z	15	VAL	CB-CA-C	33.82	157.54	111.21
2	2R	15	VAL	CB-CA-C	33.82	157.54	111.21
2	2V	15	VAL	CB-CA-C	33.82	157.54	111.21
2	2Z	15	VAL	CB-CA-C	33.82	157.54	111.21
2	43	15	VAL	CB-CA-C	33.82	157.54	111.21
2	47	15	VAL	CB-CA-C	33.82	157.54	111.21
2	5B	15	VAL	CB-CA-C	33.82	157.54	111.21
2	53	15	VAL	CB-CA-C	33.82	157.54	111.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	15	VAL	CB-CA-C	33.82	157.54	111.21
2	6B	15	VAL	CB-CA-C	33.82	157.54	111.21
1	1M	22	HIS	ND1-CE1-NE2	32.82	141.22	108.40
1	2I	22	HIS	ND1-CE1-NE2	32.82	141.22	108.40
1	3A	22	HIS	ND1-CE1-NE2	32.82	141.22	108.40
1	3I	22	HIS	ND1-CE1-NE2	32.82	141.22	108.40
1	32	22	HIS	ND1-CE1-NE2	32.82	141.22	108.40
1	4E	22	HIS	ND1-CE1-NE2	32.82	141.22	108.40
1	4Y	22	HIS	ND1-CE1-NE2	32.82	141.22	108.40
1	5U	22	HIS	ND1-CE1-NE2	32.82	141.22	108.40
1	6M	22	HIS	ND1-CE1-NE2	32.82	141.22	108.40
1	6U	22	HIS	ND1-CE1-NE2	32.82	141.22	108.40
1	7E	22	HIS	ND1-CE1-NE2	32.82	141.22	108.40
1	7Q	22	HIS	ND1-CE1-NE2	32.82	141.22	108.40
1	12	22	HIS	ND1-CE1-NE2	32.78	141.18	108.40
1	16	22	HIS	ND1-CE1-NE2	32.78	141.18	108.40
1	2A	22	HIS	ND1-CE1-NE2	32.78	141.18	108.40
1	3Q	22	HIS	ND1-CE1-NE2	32.78	141.18	108.40
1	3U	22	HIS	ND1-CE1-NE2	32.78	141.18	108.40
1	3Y	22	HIS	ND1-CE1-NE2	32.78	141.18	108.40
1	5E	22	HIS	ND1-CE1-NE2	32.78	141.18	108.40
1	5I	22	HIS	ND1-CE1-NE2	32.78	141.18	108.40
1	5M	22	HIS	ND1-CE1-NE2	32.78	141.18	108.40
1	62	22	HIS	ND1-CE1-NE2	32.78	141.18	108.40
1	66	22	HIS	ND1-CE1-NE2	32.78	141.18	108.40
1	7A	22	HIS	ND1-CE1-NE2	32.78	141.18	108.40
1	1Q	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	1U	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	1Y	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	2Q	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	2U	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	2Y	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	42	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	46	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	5A	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	52	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	56	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	6A	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	1A	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	1I	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	2E	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	26	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	4A	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	4M	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	4U	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	5Q	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	6I	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	6Q	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	7M	22	HIS	ND1-CE1-NE2	32.76	141.16	108.40
1	1E	22	HIS	ND1-CE1-NE2	32.74	141.14	108.40
1	2M	22	HIS	ND1-CE1-NE2	32.74	141.14	108.40
1	22	22	HIS	ND1-CE1-NE2	32.74	141.14	108.40
1	3M	22	HIS	ND1-CE1-NE2	32.74	141.14	108.40
1	36	22	HIS	ND1-CE1-NE2	32.74	141.14	108.40
1	4I	22	HIS	ND1-CE1-NE2	32.74	141.14	108.40
1	4Q	22	HIS	ND1-CE1-NE2	32.74	141.14	108.40
1	5Y	22	HIS	ND1-CE1-NE2	32.74	141.14	108.40
1	6E	22	HIS	ND1-CE1-NE2	32.74	141.14	108.40
1	6Y	22	HIS	ND1-CE1-NE2	32.74	141.14	108.40
1	7I	22	HIS	ND1-CE1-NE2	32.74	141.14	108.40
1	7U	22	HIS	ND1-CE1-NE2	32.74	141.14	108.40
1	1Q	82	ARG	CA-C-O	32.72	138.42	119.77
1	1U	82	ARG	CA-C-O	32.72	138.42	119.77
1	1Y	82	ARG	CA-C-O	32.72	138.42	119.77
1	2Q	82	ARG	CA-C-O	32.72	138.42	119.77
1	2U	82	ARG	CA-C-O	32.72	138.42	119.77
1	2Y	82	ARG	CA-C-O	32.72	138.42	119.77
1	42	82	ARG	CA-C-O	32.72	138.42	119.77
1	46	82	ARG	CA-C-O	32.72	138.42	119.77
1	5A	82	ARG	CA-C-O	32.72	138.42	119.77
1	52	82	ARG	CA-C-O	32.72	138.42	119.77
1	56	82	ARG	CA-C-O	32.72	138.42	119.77
1	6A	82	ARG	CA-C-O	32.72	138.42	119.77
1	1M	82	ARG	CA-C-O	32.71	138.41	119.77
1	2I	82	ARG	CA-C-O	32.71	138.41	119.77
1	3A	82	ARG	CA-C-O	32.71	138.41	119.77
1	3I	82	ARG	CA-C-O	32.71	138.41	119.77
1	32	82	ARG	CA-C-O	32.71	138.41	119.77
1	4E	82	ARG	CA-C-O	32.71	138.41	119.77
1	4Y	82	ARG	CA-C-O	32.71	138.41	119.77
1	5U	82	ARG	CA-C-O	32.71	138.41	119.77
1	6M	82	ARG	CA-C-O	32.71	138.41	119.77
1	6U	82	ARG	CA-C-O	32.71	138.41	119.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	82	ARG	CA-C-O	32.71	138.41	119.77
1	7Q	82	ARG	CA-C-O	32.71	138.41	119.77
1	1E	82	ARG	CA-C-O	32.69	138.40	119.77
1	2M	82	ARG	CA-C-O	32.69	138.40	119.77
1	22	82	ARG	CA-C-O	32.69	138.40	119.77
1	3M	82	ARG	CA-C-O	32.69	138.40	119.77
1	36	82	ARG	CA-C-O	32.69	138.40	119.77
1	4I	82	ARG	CA-C-O	32.69	138.40	119.77
1	4Q	82	ARG	CA-C-O	32.69	138.40	119.77
1	5Y	82	ARG	CA-C-O	32.69	138.40	119.77
1	6E	82	ARG	CA-C-O	32.69	138.40	119.77
1	6Y	82	ARG	CA-C-O	32.69	138.40	119.77
1	7I	82	ARG	CA-C-O	32.69	138.40	119.77
1	7U	82	ARG	CA-C-O	32.69	138.40	119.77
1	1A	82	ARG	CA-C-O	32.68	138.40	119.77
1	1I	82	ARG	CA-C-O	32.68	138.40	119.77
1	2E	82	ARG	CA-C-O	32.68	138.40	119.77
1	26	82	ARG	CA-C-O	32.68	138.40	119.77
1	3E	82	ARG	CA-C-O	32.68	138.40	119.77
1	4A	82	ARG	CA-C-O	32.68	138.40	119.77
1	4M	82	ARG	CA-C-O	32.68	138.40	119.77
1	4U	82	ARG	CA-C-O	32.68	138.40	119.77
1	5Q	82	ARG	CA-C-O	32.68	138.40	119.77
1	6I	82	ARG	CA-C-O	32.68	138.40	119.77
1	6Q	82	ARG	CA-C-O	32.68	138.40	119.77
1	7M	82	ARG	CA-C-O	32.68	138.40	119.77
1	12	82	ARG	CA-C-O	32.57	138.33	119.77
1	16	82	ARG	CA-C-O	32.57	138.33	119.77
1	2A	82	ARG	CA-C-O	32.57	138.33	119.77
1	3Q	82	ARG	CA-C-O	32.57	138.33	119.77
1	3U	82	ARG	CA-C-O	32.57	138.33	119.77
1	3Y	82	ARG	CA-C-O	32.57	138.33	119.77
1	5E	82	ARG	CA-C-O	32.57	138.33	119.77
1	5I	82	ARG	CA-C-O	32.57	138.33	119.77
1	5M	82	ARG	CA-C-O	32.57	138.33	119.77
1	62	82	ARG	CA-C-O	32.57	138.33	119.77
1	66	82	ARG	CA-C-O	32.57	138.33	119.77
1	7A	82	ARG	CA-C-O	32.57	138.33	119.77
1	12	151	ASN	O-C-N	-32.40	98.81	123.11
1	16	151	ASN	O-C-N	-32.40	98.81	123.11
1	2A	151	ASN	O-C-N	-32.40	98.81	123.11
1	3Q	151	ASN	O-C-N	-32.40	98.81	123.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	151	ASN	O-C-N	-32.40	98.81	123.11
1	3Y	151	ASN	O-C-N	-32.40	98.81	123.11
1	5E	151	ASN	O-C-N	-32.40	98.81	123.11
1	5I	151	ASN	O-C-N	-32.40	98.81	123.11
1	5M	151	ASN	O-C-N	-32.40	98.81	123.11
1	62	151	ASN	O-C-N	-32.40	98.81	123.11
1	66	151	ASN	O-C-N	-32.40	98.81	123.11
1	7A	151	ASN	O-C-N	-32.40	98.81	123.11
1	1E	151	ASN	O-C-N	-32.39	98.82	123.11
1	2M	151	ASN	O-C-N	-32.39	98.82	123.11
1	22	151	ASN	O-C-N	-32.39	98.82	123.11
1	3M	151	ASN	O-C-N	-32.39	98.82	123.11
1	36	151	ASN	O-C-N	-32.39	98.82	123.11
1	4I	151	ASN	O-C-N	-32.39	98.82	123.11
1	4Q	151	ASN	O-C-N	-32.39	98.82	123.11
1	5Y	151	ASN	O-C-N	-32.39	98.82	123.11
1	6E	151	ASN	O-C-N	-32.39	98.82	123.11
1	6Y	151	ASN	O-C-N	-32.39	98.82	123.11
1	7I	151	ASN	O-C-N	-32.39	98.82	123.11
1	7U	151	ASN	O-C-N	-32.39	98.82	123.11
1	1M	151	ASN	O-C-N	-32.38	98.83	123.11
1	2I	151	ASN	O-C-N	-32.38	98.83	123.11
1	3A	151	ASN	O-C-N	-32.38	98.83	123.11
1	32	151	ASN	O-C-N	-32.38	98.83	123.11
1	4Y	151	ASN	O-C-N	-32.38	98.83	123.11
1	5U	151	ASN	O-C-N	-32.38	98.83	123.11
1	6M	151	ASN	O-C-N	-32.38	98.83	123.11
1	7E	151	ASN	O-C-N	-32.38	98.83	123.11
1	1A	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	1I	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	1M	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	2E	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	2I	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	26	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	3A	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	3E	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	3I	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	3I	151	ASN	O-C-N	-32.38	98.83	123.11
1	32	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	4A	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	4E	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	4E	151	ASN	O-C-N	-32.38	98.83	123.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4M	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	4U	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	4Y	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	5Q	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	5U	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	6I	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	6M	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	6Q	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	6U	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	6U	151	ASN	O-C-N	-32.38	98.83	123.11
1	7E	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	7M	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	7Q	65	PHE	CB-CG-CD2	-32.38	65.66	120.70
1	7Q	151	ASN	O-C-N	-32.38	98.83	123.11
1	1Q	151	ASN	O-C-N	-32.38	98.83	123.11
1	1U	151	ASN	O-C-N	-32.38	98.83	123.11
1	1Y	151	ASN	O-C-N	-32.38	98.83	123.11
1	2Q	151	ASN	O-C-N	-32.38	98.83	123.11
1	2U	151	ASN	O-C-N	-32.38	98.83	123.11
1	2Y	151	ASN	O-C-N	-32.38	98.83	123.11
1	42	151	ASN	O-C-N	-32.38	98.83	123.11
1	46	151	ASN	O-C-N	-32.38	98.83	123.11
1	5A	151	ASN	O-C-N	-32.38	98.83	123.11
1	52	151	ASN	O-C-N	-32.38	98.83	123.11
1	56	151	ASN	O-C-N	-32.38	98.83	123.11
1	6A	151	ASN	O-C-N	-32.38	98.83	123.11
1	1E	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	1Q	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	1U	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	1Y	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	2M	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	2Q	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	2U	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	2Y	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	22	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	3M	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	36	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	4I	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	4Q	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	42	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	46	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	5A	65	PHE	CB-CG-CD2	-32.37	65.67	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	52	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	56	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	6A	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	6E	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	6Y	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	7I	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	7U	65	PHE	CB-CG-CD2	-32.37	65.67	120.70
1	12	65	PHE	CB-CG-CD2	-32.36	65.68	120.70
1	16	65	PHE	CB-CG-CD2	-32.36	65.68	120.70
1	2A	65	PHE	CB-CG-CD2	-32.36	65.68	120.70
1	3Q	65	PHE	CB-CG-CD2	-32.36	65.68	120.70
1	3U	65	PHE	CB-CG-CD2	-32.36	65.68	120.70
1	3Y	65	PHE	CB-CG-CD2	-32.36	65.68	120.70
1	5E	65	PHE	CB-CG-CD2	-32.36	65.68	120.70
1	5I	65	PHE	CB-CG-CD2	-32.36	65.68	120.70
1	5M	65	PHE	CB-CG-CD2	-32.36	65.68	120.70
1	62	65	PHE	CB-CG-CD2	-32.36	65.68	120.70
1	66	65	PHE	CB-CG-CD2	-32.36	65.68	120.70
1	7A	65	PHE	CB-CG-CD2	-32.36	65.68	120.70
1	1A	151	ASN	O-C-N	-32.36	98.84	123.11
1	1I	151	ASN	O-C-N	-32.36	98.84	123.11
1	2E	151	ASN	O-C-N	-32.36	98.84	123.11
1	26	151	ASN	O-C-N	-32.36	98.84	123.11
1	3E	151	ASN	O-C-N	-32.36	98.84	123.11
1	4A	151	ASN	O-C-N	-32.36	98.84	123.11
1	4M	151	ASN	O-C-N	-32.36	98.84	123.11
1	4U	151	ASN	O-C-N	-32.36	98.84	123.11
1	5Q	151	ASN	O-C-N	-32.36	98.84	123.11
1	6I	151	ASN	O-C-N	-32.36	98.84	123.11
1	6Q	151	ASN	O-C-N	-32.36	98.84	123.11
1	7M	151	ASN	O-C-N	-32.36	98.84	123.11
2	1N	3	PRO	O-C-N	32.10	167.72	122.78
2	2J	3	PRO	O-C-N	32.10	167.72	122.78
2	3B	3	PRO	O-C-N	32.10	167.72	122.78
2	3J	3	PRO	O-C-N	32.10	167.72	122.78
2	33	3	PRO	O-C-N	32.10	167.72	122.78
2	4F	3	PRO	O-C-N	32.10	167.72	122.78
2	4Z	3	PRO	O-C-N	32.10	167.72	122.78
2	5V	3	PRO	O-C-N	32.10	167.72	122.78
2	6N	3	PRO	O-C-N	32.10	167.72	122.78
2	6V	3	PRO	O-C-N	32.10	167.72	122.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	3	PRO	O-C-N	32.10	167.72	122.78
2	7R	3	PRO	O-C-N	32.10	167.72	122.78
2	13	3	PRO	O-C-N	32.09	167.71	122.78
2	17	3	PRO	O-C-N	32.09	167.71	122.78
2	2B	3	PRO	O-C-N	32.09	167.71	122.78
2	3R	3	PRO	O-C-N	32.09	167.71	122.78
2	3V	3	PRO	O-C-N	32.09	167.71	122.78
2	3Z	3	PRO	O-C-N	32.09	167.71	122.78
2	5F	3	PRO	O-C-N	32.09	167.71	122.78
2	5J	3	PRO	O-C-N	32.09	167.71	122.78
2	5N	3	PRO	O-C-N	32.09	167.71	122.78
2	63	3	PRO	O-C-N	32.09	167.71	122.78
2	67	3	PRO	O-C-N	32.09	167.71	122.78
2	7B	3	PRO	O-C-N	32.09	167.71	122.78
1	1Q	97	SER	N-CA-CB	32.08	165.90	111.69
1	1U	97	SER	N-CA-CB	32.08	165.90	111.69
1	1Y	97	SER	N-CA-CB	32.08	165.90	111.69
1	2Q	97	SER	N-CA-CB	32.08	165.90	111.69
1	2U	97	SER	N-CA-CB	32.08	165.90	111.69
1	2Y	97	SER	N-CA-CB	32.08	165.90	111.69
1	42	97	SER	N-CA-CB	32.08	165.90	111.69
1	46	97	SER	N-CA-CB	32.08	165.90	111.69
1	5A	97	SER	N-CA-CB	32.08	165.90	111.69
1	52	97	SER	N-CA-CB	32.08	165.90	111.69
1	56	97	SER	N-CA-CB	32.08	165.90	111.69
1	6A	97	SER	N-CA-CB	32.08	165.90	111.69
2	1F	3	PRO	O-C-N	32.07	167.68	122.78
2	2N	3	PRO	O-C-N	32.07	167.68	122.78
2	23	3	PRO	O-C-N	32.07	167.68	122.78
2	3N	3	PRO	O-C-N	32.07	167.68	122.78
2	37	3	PRO	O-C-N	32.07	167.68	122.78
2	4J	3	PRO	O-C-N	32.07	167.68	122.78
2	4R	3	PRO	O-C-N	32.07	167.68	122.78
2	5Z	3	PRO	O-C-N	32.07	167.68	122.78
2	6F	3	PRO	O-C-N	32.07	167.68	122.78
2	6Z	3	PRO	O-C-N	32.07	167.68	122.78
2	7J	3	PRO	O-C-N	32.07	167.68	122.78
2	7V	3	PRO	O-C-N	32.07	167.68	122.78
1	1A	97	SER	N-CA-CB	32.07	165.88	111.69
1	1I	97	SER	N-CA-CB	32.07	165.88	111.69
2	1R	3	PRO	O-C-N	32.07	167.67	122.78
2	1V	3	PRO	O-C-N	32.07	167.67	122.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1Z	3	PRO	O-C-N	32.07	167.67	122.78
1	2E	97	SER	N-CA-CB	32.07	165.88	111.69
2	2R	3	PRO	O-C-N	32.07	167.67	122.78
2	2V	3	PRO	O-C-N	32.07	167.67	122.78
2	2Z	3	PRO	O-C-N	32.07	167.67	122.78
1	26	97	SER	N-CA-CB	32.07	165.88	111.69
1	3E	97	SER	N-CA-CB	32.07	165.88	111.69
1	4A	97	SER	N-CA-CB	32.07	165.88	111.69
1	4M	97	SER	N-CA-CB	32.07	165.88	111.69
1	4U	97	SER	N-CA-CB	32.07	165.88	111.69
2	43	3	PRO	O-C-N	32.07	167.67	122.78
2	47	3	PRO	O-C-N	32.07	167.67	122.78
2	5B	3	PRO	O-C-N	32.07	167.67	122.78
1	5Q	97	SER	N-CA-CB	32.07	165.88	111.69
2	53	3	PRO	O-C-N	32.07	167.67	122.78
2	57	3	PRO	O-C-N	32.07	167.67	122.78
2	6B	3	PRO	O-C-N	32.07	167.67	122.78
1	6I	97	SER	N-CA-CB	32.07	165.88	111.69
1	6Q	97	SER	N-CA-CB	32.07	165.88	111.69
1	7M	97	SER	N-CA-CB	32.07	165.88	111.69
2	1B	3	PRO	O-C-N	32.06	167.66	122.78
2	1J	3	PRO	O-C-N	32.06	167.66	122.78
2	2F	3	PRO	O-C-N	32.06	167.66	122.78
2	27	3	PRO	O-C-N	32.06	167.66	122.78
2	3F	3	PRO	O-C-N	32.06	167.66	122.78
2	4B	3	PRO	O-C-N	32.06	167.66	122.78
2	4N	3	PRO	O-C-N	32.06	167.66	122.78
2	4V	3	PRO	O-C-N	32.06	167.66	122.78
2	5R	3	PRO	O-C-N	32.06	167.66	122.78
2	6J	3	PRO	O-C-N	32.06	167.66	122.78
2	6R	3	PRO	O-C-N	32.06	167.66	122.78
2	7N	3	PRO	O-C-N	32.06	167.66	122.78
1	1E	97	SER	N-CA-CB	32.05	165.86	111.69
1	2M	97	SER	N-CA-CB	32.05	165.86	111.69
1	22	97	SER	N-CA-CB	32.05	165.86	111.69
1	3M	97	SER	N-CA-CB	32.05	165.86	111.69
1	36	97	SER	N-CA-CB	32.05	165.86	111.69
1	4I	97	SER	N-CA-CB	32.05	165.86	111.69
1	4Q	97	SER	N-CA-CB	32.05	165.86	111.69
1	5Y	97	SER	N-CA-CB	32.05	165.86	111.69
1	6E	97	SER	N-CA-CB	32.05	165.86	111.69
1	6Y	97	SER	N-CA-CB	32.05	165.86	111.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	97	SER	N-CA-CB	32.05	165.86	111.69
1	7U	97	SER	N-CA-CB	32.05	165.86	111.69
1	1M	97	SER	N-CA-CB	32.05	165.86	111.69
1	2I	97	SER	N-CA-CB	32.05	165.86	111.69
1	3A	97	SER	N-CA-CB	32.05	165.86	111.69
1	3I	97	SER	N-CA-CB	32.05	165.86	111.69
1	32	97	SER	N-CA-CB	32.05	165.86	111.69
1	4E	97	SER	N-CA-CB	32.05	165.86	111.69
1	4Y	97	SER	N-CA-CB	32.05	165.86	111.69
1	5U	97	SER	N-CA-CB	32.05	165.86	111.69
1	6M	97	SER	N-CA-CB	32.05	165.86	111.69
1	6U	97	SER	N-CA-CB	32.05	165.86	111.69
1	7E	97	SER	N-CA-CB	32.05	165.86	111.69
1	7Q	97	SER	N-CA-CB	32.05	165.86	111.69
1	12	97	SER	N-CA-CB	32.04	165.84	111.69
1	16	97	SER	N-CA-CB	32.04	165.84	111.69
1	2A	97	SER	N-CA-CB	32.04	165.84	111.69
1	3Q	97	SER	N-CA-CB	32.04	165.84	111.69
1	3U	97	SER	N-CA-CB	32.04	165.84	111.69
1	3Y	97	SER	N-CA-CB	32.04	165.84	111.69
1	5E	97	SER	N-CA-CB	32.04	165.84	111.69
1	5I	97	SER	N-CA-CB	32.04	165.84	111.69
1	5M	97	SER	N-CA-CB	32.04	165.84	111.69
1	62	97	SER	N-CA-CB	32.04	165.84	111.69
1	66	97	SER	N-CA-CB	32.04	165.84	111.69
1	7A	97	SER	N-CA-CB	32.04	165.84	111.69
2	13	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	17	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	2B	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	3R	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	3V	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	3Z	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	5F	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	5J	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	5N	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	63	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	67	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	7B	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	1R	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	1V	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	1Z	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	2R	35	PHE	CA-CB-CG	-31.74	82.06	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	2Z	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	43	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	47	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	5B	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	53	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	57	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	6B	35	PHE	CA-CB-CG	-31.74	82.06	113.80
2	1F	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	1N	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	2J	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	2N	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	23	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	3B	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	3J	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	3N	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	33	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	37	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	4F	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	4J	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	4R	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	4Z	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	5V	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	5Z	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	6F	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	6N	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	6V	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	6Z	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	7F	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	7J	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	7R	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	7V	35	PHE	CA-CB-CG	-31.73	82.07	113.80
2	1B	35	PHE	CA-CB-CG	-31.72	82.08	113.80
2	1J	35	PHE	CA-CB-CG	-31.72	82.08	113.80
2	2F	35	PHE	CA-CB-CG	-31.72	82.08	113.80
2	27	35	PHE	CA-CB-CG	-31.72	82.08	113.80
2	3F	35	PHE	CA-CB-CG	-31.72	82.08	113.80
2	4B	35	PHE	CA-CB-CG	-31.72	82.08	113.80
2	4N	35	PHE	CA-CB-CG	-31.72	82.08	113.80
2	4V	35	PHE	CA-CB-CG	-31.72	82.08	113.80
2	5R	35	PHE	CA-CB-CG	-31.72	82.08	113.80
2	6J	35	PHE	CA-CB-CG	-31.72	82.08	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	35	PHE	CA-CB-CG	-31.72	82.08	113.80
2	7N	35	PHE	CA-CB-CG	-31.72	82.08	113.80
2	1F	60	ARG	O-C-N	31.70	164.75	122.59
2	2N	60	ARG	O-C-N	31.70	164.75	122.59
2	23	60	ARG	O-C-N	31.70	164.75	122.59
2	3N	60	ARG	O-C-N	31.70	164.75	122.59
2	37	60	ARG	O-C-N	31.70	164.75	122.59
2	4J	60	ARG	O-C-N	31.70	164.75	122.59
2	4R	60	ARG	O-C-N	31.70	164.75	122.59
2	5Z	60	ARG	O-C-N	31.70	164.75	122.59
2	6F	60	ARG	O-C-N	31.70	164.75	122.59
2	6Z	60	ARG	O-C-N	31.70	164.75	122.59
2	7J	60	ARG	O-C-N	31.70	164.75	122.59
2	7V	60	ARG	O-C-N	31.70	164.75	122.59
2	1N	60	ARG	O-C-N	31.70	164.75	122.59
2	2J	60	ARG	O-C-N	31.70	164.75	122.59
2	3B	60	ARG	O-C-N	31.70	164.75	122.59
2	3J	60	ARG	O-C-N	31.70	164.75	122.59
2	33	60	ARG	O-C-N	31.70	164.75	122.59
2	4F	60	ARG	O-C-N	31.70	164.75	122.59
2	4Z	60	ARG	O-C-N	31.70	164.75	122.59
2	5V	60	ARG	O-C-N	31.70	164.75	122.59
2	6N	60	ARG	O-C-N	31.70	164.75	122.59
2	6V	60	ARG	O-C-N	31.70	164.75	122.59
2	7F	60	ARG	O-C-N	31.70	164.75	122.59
2	7R	60	ARG	O-C-N	31.70	164.75	122.59
1	1M	52	PHE	O-C-N	31.69	157.77	121.32
1	2I	52	PHE	O-C-N	31.69	157.77	121.32
1	3A	52	PHE	O-C-N	31.69	157.77	121.32
1	3I	52	PHE	O-C-N	31.69	157.77	121.32
1	32	52	PHE	O-C-N	31.69	157.77	121.32
1	4E	52	PHE	O-C-N	31.69	157.77	121.32
1	4Y	52	PHE	O-C-N	31.69	157.77	121.32
1	5U	52	PHE	O-C-N	31.69	157.77	121.32
1	6M	52	PHE	O-C-N	31.69	157.77	121.32
1	6U	52	PHE	O-C-N	31.69	157.77	121.32
1	7E	52	PHE	O-C-N	31.69	157.77	121.32
1	7Q	52	PHE	O-C-N	31.69	157.77	121.32
2	1B	60	ARG	O-C-N	31.69	164.74	122.59
2	1J	60	ARG	O-C-N	31.69	164.74	122.59
2	2F	60	ARG	O-C-N	31.69	164.74	122.59
2	27	60	ARG	O-C-N	31.69	164.74	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	60	ARG	O-C-N	31.69	164.74	122.59
2	4B	60	ARG	O-C-N	31.69	164.74	122.59
2	4N	60	ARG	O-C-N	31.69	164.74	122.59
2	4V	60	ARG	O-C-N	31.69	164.74	122.59
2	5R	60	ARG	O-C-N	31.69	164.74	122.59
2	6J	60	ARG	O-C-N	31.69	164.74	122.59
2	6R	60	ARG	O-C-N	31.69	164.74	122.59
2	7N	60	ARG	O-C-N	31.69	164.74	122.59
1	1E	52	PHE	O-C-N	31.68	157.75	121.32
1	2M	52	PHE	O-C-N	31.68	157.75	121.32
1	22	52	PHE	O-C-N	31.68	157.75	121.32
1	3M	52	PHE	O-C-N	31.68	157.75	121.32
1	36	52	PHE	O-C-N	31.68	157.75	121.32
1	4I	52	PHE	O-C-N	31.68	157.75	121.32
1	4Q	52	PHE	O-C-N	31.68	157.75	121.32
1	5Y	52	PHE	O-C-N	31.68	157.75	121.32
1	6E	52	PHE	O-C-N	31.68	157.75	121.32
1	6Y	52	PHE	O-C-N	31.68	157.75	121.32
1	7I	52	PHE	O-C-N	31.68	157.75	121.32
1	7U	52	PHE	O-C-N	31.68	157.75	121.32
1	12	52	PHE	O-C-N	31.68	157.75	121.32
1	16	52	PHE	O-C-N	31.68	157.75	121.32
1	2A	52	PHE	O-C-N	31.68	157.75	121.32
1	3Q	52	PHE	O-C-N	31.68	157.75	121.32
1	3U	52	PHE	O-C-N	31.68	157.75	121.32
1	3Y	52	PHE	O-C-N	31.68	157.75	121.32
1	5E	52	PHE	O-C-N	31.68	157.75	121.32
1	5I	52	PHE	O-C-N	31.68	157.75	121.32
1	5M	52	PHE	O-C-N	31.68	157.75	121.32
1	62	52	PHE	O-C-N	31.68	157.75	121.32
1	66	52	PHE	O-C-N	31.68	157.75	121.32
1	7A	52	PHE	O-C-N	31.68	157.75	121.32
1	1A	52	PHE	O-C-N	31.67	157.74	121.32
1	1I	52	PHE	O-C-N	31.67	157.74	121.32
1	2E	52	PHE	O-C-N	31.67	157.74	121.32
1	26	52	PHE	O-C-N	31.67	157.74	121.32
1	3E	52	PHE	O-C-N	31.67	157.74	121.32
1	4A	52	PHE	O-C-N	31.67	157.74	121.32
1	4M	52	PHE	O-C-N	31.67	157.74	121.32
1	4U	52	PHE	O-C-N	31.67	157.74	121.32
1	5Q	52	PHE	O-C-N	31.67	157.74	121.32
1	6I	52	PHE	O-C-N	31.67	157.74	121.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	52	PHE	O-C-N	31.67	157.74	121.32
1	7M	52	PHE	O-C-N	31.67	157.74	121.32
2	1R	60	ARG	O-C-N	31.66	164.70	122.59
2	1V	60	ARG	O-C-N	31.66	164.70	122.59
2	1Z	60	ARG	O-C-N	31.66	164.70	122.59
2	2R	60	ARG	O-C-N	31.66	164.70	122.59
2	2V	60	ARG	O-C-N	31.66	164.70	122.59
2	2Z	60	ARG	O-C-N	31.66	164.70	122.59
2	43	60	ARG	O-C-N	31.66	164.70	122.59
2	47	60	ARG	O-C-N	31.66	164.70	122.59
2	5B	60	ARG	O-C-N	31.66	164.70	122.59
2	53	60	ARG	O-C-N	31.66	164.70	122.59
2	57	60	ARG	O-C-N	31.66	164.70	122.59
2	6B	60	ARG	O-C-N	31.66	164.70	122.59
2	13	60	ARG	O-C-N	31.66	164.70	122.59
2	17	60	ARG	O-C-N	31.66	164.70	122.59
2	2B	60	ARG	O-C-N	31.66	164.70	122.59
2	3R	60	ARG	O-C-N	31.66	164.70	122.59
2	3V	60	ARG	O-C-N	31.66	164.70	122.59
2	3Z	60	ARG	O-C-N	31.66	164.70	122.59
2	5F	60	ARG	O-C-N	31.66	164.70	122.59
2	5J	60	ARG	O-C-N	31.66	164.70	122.59
2	5N	60	ARG	O-C-N	31.66	164.70	122.59
2	63	60	ARG	O-C-N	31.66	164.70	122.59
2	67	60	ARG	O-C-N	31.66	164.70	122.59
2	7B	60	ARG	O-C-N	31.66	164.70	122.59
1	1Q	52	PHE	O-C-N	31.65	157.72	121.32
1	1U	52	PHE	O-C-N	31.65	157.72	121.32
1	1Y	52	PHE	O-C-N	31.65	157.72	121.32
1	2Q	52	PHE	O-C-N	31.65	157.72	121.32
1	2U	52	PHE	O-C-N	31.65	157.72	121.32
1	2Y	52	PHE	O-C-N	31.65	157.72	121.32
1	42	52	PHE	O-C-N	31.65	157.72	121.32
1	46	52	PHE	O-C-N	31.65	157.72	121.32
1	5A	52	PHE	O-C-N	31.65	157.72	121.32
1	52	52	PHE	O-C-N	31.65	157.72	121.32
1	56	52	PHE	O-C-N	31.65	157.72	121.32
1	6A	52	PHE	O-C-N	31.65	157.72	121.32
1	12	48	TYR	CD1-CE1-CZ	-31.41	63.05	119.60
1	16	48	TYR	CD1-CE1-CZ	-31.41	63.05	119.60
1	2A	48	TYR	CD1-CE1-CZ	-31.41	63.05	119.60
1	3Q	48	TYR	CD1-CE1-CZ	-31.41	63.05	119.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	48	TYR	CD1-CE1-CZ	-31.41	63.05	119.60
1	3Y	48	TYR	CD1-CE1-CZ	-31.41	63.05	119.60
1	5E	48	TYR	CD1-CE1-CZ	-31.41	63.05	119.60
1	5I	48	TYR	CD1-CE1-CZ	-31.41	63.05	119.60
1	5M	48	TYR	CD1-CE1-CZ	-31.41	63.05	119.60
1	62	48	TYR	CD1-CE1-CZ	-31.41	63.05	119.60
1	66	48	TYR	CD1-CE1-CZ	-31.41	63.05	119.60
1	7A	48	TYR	CD1-CE1-CZ	-31.41	63.05	119.60
1	1M	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	2I	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	3A	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	3I	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	32	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	4E	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	4Y	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	5U	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	6M	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	6U	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	7E	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	7Q	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	1E	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	2M	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	22	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	3M	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	36	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	4I	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	4Q	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	5Y	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	6E	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	6Y	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	7I	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	7U	48	TYR	CD1-CE1-CZ	-31.41	63.06	119.60
1	1A	48	TYR	CD1-CE1-CZ	-31.41	63.07	119.60
1	1I	48	TYR	CD1-CE1-CZ	-31.41	63.07	119.60
1	2E	48	TYR	CD1-CE1-CZ	-31.41	63.07	119.60
1	26	48	TYR	CD1-CE1-CZ	-31.41	63.07	119.60
1	3E	48	TYR	CD1-CE1-CZ	-31.41	63.07	119.60
1	4A	48	TYR	CD1-CE1-CZ	-31.41	63.07	119.60
1	4M	48	TYR	CD1-CE1-CZ	-31.41	63.07	119.60
1	4U	48	TYR	CD1-CE1-CZ	-31.41	63.07	119.60
1	5Q	48	TYR	CD1-CE1-CZ	-31.41	63.07	119.60
1	6I	48	TYR	CD1-CE1-CZ	-31.41	63.07	119.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	48	TYR	CD1-CE1-CZ	-31.41	63.07	119.60
1	7M	48	TYR	CD1-CE1-CZ	-31.41	63.07	119.60
1	1Q	48	TYR	CD1-CE1-CZ	-31.39	63.09	119.60
1	1U	48	TYR	CD1-CE1-CZ	-31.39	63.09	119.60
1	1Y	48	TYR	CD1-CE1-CZ	-31.39	63.09	119.60
1	2Q	48	TYR	CD1-CE1-CZ	-31.39	63.09	119.60
1	2U	48	TYR	CD1-CE1-CZ	-31.39	63.09	119.60
1	2Y	48	TYR	CD1-CE1-CZ	-31.39	63.09	119.60
1	42	48	TYR	CD1-CE1-CZ	-31.39	63.09	119.60
1	46	48	TYR	CD1-CE1-CZ	-31.39	63.09	119.60
1	5A	48	TYR	CD1-CE1-CZ	-31.39	63.09	119.60
1	52	48	TYR	CD1-CE1-CZ	-31.39	63.09	119.60
1	56	48	TYR	CD1-CE1-CZ	-31.39	63.09	119.60
1	6A	48	TYR	CD1-CE1-CZ	-31.39	63.09	119.60
1	1E	89	PHE	CB-CG-CD1	-31.36	67.39	120.70
1	2M	89	PHE	CB-CG-CD1	-31.36	67.39	120.70
1	22	89	PHE	CB-CG-CD1	-31.36	67.39	120.70
1	3M	89	PHE	CB-CG-CD1	-31.36	67.39	120.70
1	36	89	PHE	CB-CG-CD1	-31.36	67.39	120.70
1	4I	89	PHE	CB-CG-CD1	-31.36	67.39	120.70
1	4Q	89	PHE	CB-CG-CD1	-31.36	67.39	120.70
1	5Y	89	PHE	CB-CG-CD1	-31.36	67.39	120.70
1	6E	89	PHE	CB-CG-CD1	-31.36	67.39	120.70
1	6Y	89	PHE	CB-CG-CD1	-31.36	67.39	120.70
1	7I	89	PHE	CB-CG-CD1	-31.36	67.39	120.70
1	7U	89	PHE	CB-CG-CD1	-31.36	67.39	120.70
1	1Q	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	1U	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	1Y	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	2Q	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	2U	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	2Y	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	42	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	46	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	5A	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	52	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	56	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	6A	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	12	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	16	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	2A	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	3Q	89	PHE	CB-CG-CD1	-31.35	67.40	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	3Y	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	5E	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	5I	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	5M	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	62	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	66	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	7A	89	PHE	CB-CG-CD1	-31.35	67.40	120.70
1	1M	89	PHE	CB-CG-CD1	-31.35	67.41	120.70
1	2I	89	PHE	CB-CG-CD1	-31.35	67.41	120.70
1	3A	89	PHE	CB-CG-CD1	-31.35	67.41	120.70
1	3I	89	PHE	CB-CG-CD1	-31.35	67.41	120.70
1	32	89	PHE	CB-CG-CD1	-31.35	67.41	120.70
1	4E	89	PHE	CB-CG-CD1	-31.35	67.41	120.70
1	4Y	89	PHE	CB-CG-CD1	-31.35	67.41	120.70
1	5U	89	PHE	CB-CG-CD1	-31.35	67.41	120.70
1	6M	89	PHE	CB-CG-CD1	-31.35	67.41	120.70
1	6U	89	PHE	CB-CG-CD1	-31.35	67.41	120.70
1	7E	89	PHE	CB-CG-CD1	-31.35	67.41	120.70
1	7Q	89	PHE	CB-CG-CD1	-31.35	67.41	120.70
1	1A	89	PHE	CB-CG-CD1	-31.34	67.42	120.70
1	1I	89	PHE	CB-CG-CD1	-31.34	67.42	120.70
1	2E	89	PHE	CB-CG-CD1	-31.34	67.42	120.70
1	26	89	PHE	CB-CG-CD1	-31.34	67.42	120.70
1	3E	89	PHE	CB-CG-CD1	-31.34	67.42	120.70
1	4A	89	PHE	CB-CG-CD1	-31.34	67.42	120.70
1	4M	89	PHE	CB-CG-CD1	-31.34	67.42	120.70
1	4U	89	PHE	CB-CG-CD1	-31.34	67.42	120.70
1	5Q	89	PHE	CB-CG-CD1	-31.34	67.42	120.70
1	6I	89	PHE	CB-CG-CD1	-31.34	67.42	120.70
1	6Q	89	PHE	CB-CG-CD1	-31.34	67.42	120.70
1	7M	89	PHE	CB-CG-CD1	-31.34	67.42	120.70
2	1B	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	1J	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	13	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	17	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	2B	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	2F	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	27	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	3F	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	3R	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	3V	74	TYR	CB-CG-CD1	-31.15	74.08	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3Z	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	4B	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	4N	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	4V	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	5F	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	5J	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	5N	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	5R	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	6J	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	6R	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	63	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	67	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	7B	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	7N	74	TYR	CB-CG-CD1	-31.15	74.08	120.80
2	1F	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	1R	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	1V	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	1Z	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	2N	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	2R	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	2V	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	2Z	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	23	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	3N	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	37	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	4J	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	4R	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	43	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	47	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	5B	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	5Z	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	53	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	57	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	6B	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	6F	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	6Z	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	7J	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	7V	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	1N	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	2J	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	3B	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	3J	74	TYR	CB-CG-CD1	-31.14	74.09	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	4F	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	4Z	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	5V	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	6N	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	6V	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	7F	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
2	7R	74	TYR	CB-CG-CD1	-31.14	74.09	120.80
1	12	171	ARG	O-C-N	-30.97	86.74	123.29
1	16	171	ARG	O-C-N	-30.97	86.74	123.29
1	2A	171	ARG	O-C-N	-30.97	86.74	123.29
1	3Q	171	ARG	O-C-N	-30.97	86.74	123.29
1	3U	171	ARG	O-C-N	-30.97	86.74	123.29
1	3Y	171	ARG	O-C-N	-30.97	86.74	123.29
1	5E	171	ARG	O-C-N	-30.97	86.74	123.29
1	5I	171	ARG	O-C-N	-30.97	86.74	123.29
1	5M	171	ARG	O-C-N	-30.97	86.74	123.29
1	62	171	ARG	O-C-N	-30.97	86.74	123.29
1	66	171	ARG	O-C-N	-30.97	86.74	123.29
1	7A	171	ARG	O-C-N	-30.97	86.74	123.29
1	1Q	171	ARG	O-C-N	-30.97	86.74	123.29
1	1U	171	ARG	O-C-N	-30.97	86.74	123.29
1	1Y	171	ARG	O-C-N	-30.97	86.74	123.29
1	2Q	171	ARG	O-C-N	-30.97	86.74	123.29
1	2U	171	ARG	O-C-N	-30.97	86.74	123.29
1	2Y	171	ARG	O-C-N	-30.97	86.74	123.29
1	42	171	ARG	O-C-N	-30.97	86.74	123.29
1	46	171	ARG	O-C-N	-30.97	86.74	123.29
1	5A	171	ARG	O-C-N	-30.97	86.74	123.29
1	52	171	ARG	O-C-N	-30.97	86.74	123.29
1	56	171	ARG	O-C-N	-30.97	86.74	123.29
1	6A	171	ARG	O-C-N	-30.97	86.74	123.29
1	1E	171	ARG	O-C-N	-30.96	86.75	123.29
1	2M	171	ARG	O-C-N	-30.96	86.75	123.29
1	22	171	ARG	O-C-N	-30.96	86.75	123.29
1	3M	171	ARG	O-C-N	-30.96	86.75	123.29
1	36	171	ARG	O-C-N	-30.96	86.75	123.29
1	4I	171	ARG	O-C-N	-30.96	86.75	123.29
1	4Q	171	ARG	O-C-N	-30.96	86.75	123.29
1	5Y	171	ARG	O-C-N	-30.96	86.75	123.29
1	6E	171	ARG	O-C-N	-30.96	86.75	123.29
1	6Y	171	ARG	O-C-N	-30.96	86.75	123.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	171	ARG	O-C-N	-30.96	86.75	123.29
1	7U	171	ARG	O-C-N	-30.96	86.75	123.29
1	1M	171	ARG	O-C-N	-30.95	86.76	123.29
1	2I	171	ARG	O-C-N	-30.95	86.76	123.29
1	3A	171	ARG	O-C-N	-30.95	86.76	123.29
1	3I	171	ARG	O-C-N	-30.95	86.76	123.29
1	32	171	ARG	O-C-N	-30.95	86.76	123.29
1	4E	171	ARG	O-C-N	-30.95	86.76	123.29
1	4Y	171	ARG	O-C-N	-30.95	86.76	123.29
1	5U	171	ARG	O-C-N	-30.95	86.76	123.29
1	6M	171	ARG	O-C-N	-30.95	86.76	123.29
1	6U	171	ARG	O-C-N	-30.95	86.76	123.29
1	7E	171	ARG	O-C-N	-30.95	86.76	123.29
1	7Q	171	ARG	O-C-N	-30.95	86.76	123.29
1	1A	171	ARG	O-C-N	-30.95	86.77	123.29
1	1I	171	ARG	O-C-N	-30.95	86.77	123.29
1	2E	171	ARG	O-C-N	-30.95	86.77	123.29
1	26	171	ARG	O-C-N	-30.95	86.77	123.29
1	3E	171	ARG	O-C-N	-30.95	86.77	123.29
1	4A	171	ARG	O-C-N	-30.95	86.77	123.29
1	4M	171	ARG	O-C-N	-30.95	86.77	123.29
1	4U	171	ARG	O-C-N	-30.95	86.77	123.29
1	5Q	171	ARG	O-C-N	-30.95	86.77	123.29
1	6I	171	ARG	O-C-N	-30.95	86.77	123.29
1	6Q	171	ARG	O-C-N	-30.95	86.77	123.29
1	7M	171	ARG	O-C-N	-30.95	86.77	123.29
1	12	89	PHE	CB-CG-CD2	-30.84	68.27	120.70
1	16	89	PHE	CB-CG-CD2	-30.84	68.27	120.70
1	2A	89	PHE	CB-CG-CD2	-30.84	68.27	120.70
1	3Q	89	PHE	CB-CG-CD2	-30.84	68.27	120.70
1	3U	89	PHE	CB-CG-CD2	-30.84	68.27	120.70
1	3Y	89	PHE	CB-CG-CD2	-30.84	68.27	120.70
1	5E	89	PHE	CB-CG-CD2	-30.84	68.27	120.70
1	5I	89	PHE	CB-CG-CD2	-30.84	68.27	120.70
1	5M	89	PHE	CB-CG-CD2	-30.84	68.27	120.70
1	62	89	PHE	CB-CG-CD2	-30.84	68.27	120.70
1	66	89	PHE	CB-CG-CD2	-30.84	68.27	120.70
1	7A	89	PHE	CB-CG-CD2	-30.84	68.27	120.70
1	1M	89	PHE	CB-CG-CD2	-30.84	68.28	120.70
1	2I	89	PHE	CB-CG-CD2	-30.84	68.28	120.70
1	3A	89	PHE	CB-CG-CD2	-30.84	68.28	120.70
1	3I	89	PHE	CB-CG-CD2	-30.84	68.28	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	89	PHE	CB-CG-CD2	-30.84	68.28	120.70
1	4E	89	PHE	CB-CG-CD2	-30.84	68.28	120.70
1	4Y	89	PHE	CB-CG-CD2	-30.84	68.28	120.70
1	5U	89	PHE	CB-CG-CD2	-30.84	68.28	120.70
1	6M	89	PHE	CB-CG-CD2	-30.84	68.28	120.70
1	6U	89	PHE	CB-CG-CD2	-30.84	68.28	120.70
1	7E	89	PHE	CB-CG-CD2	-30.84	68.28	120.70
1	7Q	89	PHE	CB-CG-CD2	-30.84	68.28	120.70
1	1A	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	1E	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	1I	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	2E	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	2M	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	22	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	26	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	3E	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	3M	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	36	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	4A	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	4I	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	4M	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	4Q	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	4U	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	5Q	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	5Y	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	6E	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	6I	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	6Q	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	6Y	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	7I	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	7M	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	7U	89	PHE	CB-CG-CD2	-30.83	68.28	120.70
1	1Q	89	PHE	CB-CG-CD2	-30.83	68.29	120.70
1	1U	89	PHE	CB-CG-CD2	-30.83	68.29	120.70
1	1Y	89	PHE	CB-CG-CD2	-30.83	68.29	120.70
1	2Q	89	PHE	CB-CG-CD2	-30.83	68.29	120.70
1	2U	89	PHE	CB-CG-CD2	-30.83	68.29	120.70
1	2Y	89	PHE	CB-CG-CD2	-30.83	68.29	120.70
1	42	89	PHE	CB-CG-CD2	-30.83	68.29	120.70
1	46	89	PHE	CB-CG-CD2	-30.83	68.29	120.70
1	5A	89	PHE	CB-CG-CD2	-30.83	68.29	120.70
1	52	89	PHE	CB-CG-CD2	-30.83	68.29	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	89	PHE	CB-CG-CD2	-30.83	68.29	120.70
1	6A	89	PHE	CB-CG-CD2	-30.83	68.29	120.70
1	12	83	GLY	O-C-N	30.73	154.82	122.87
1	16	83	GLY	O-C-N	30.73	154.82	122.87
1	2A	83	GLY	O-C-N	30.73	154.82	122.87
1	3Q	83	GLY	O-C-N	30.73	154.82	122.87
1	3U	83	GLY	O-C-N	30.73	154.82	122.87
1	3Y	83	GLY	O-C-N	30.73	154.82	122.87
1	5E	83	GLY	O-C-N	30.73	154.82	122.87
1	5I	83	GLY	O-C-N	30.73	154.82	122.87
1	5M	83	GLY	O-C-N	30.73	154.82	122.87
1	62	83	GLY	O-C-N	30.73	154.82	122.87
1	66	83	GLY	O-C-N	30.73	154.82	122.87
1	7A	83	GLY	O-C-N	30.73	154.82	122.87
1	1E	83	GLY	O-C-N	30.70	154.79	122.87
1	2M	83	GLY	O-C-N	30.70	154.79	122.87
1	22	83	GLY	O-C-N	30.70	154.79	122.87
1	3M	83	GLY	O-C-N	30.70	154.79	122.87
1	36	83	GLY	O-C-N	30.70	154.79	122.87
1	4I	83	GLY	O-C-N	30.70	154.79	122.87
1	4Q	83	GLY	O-C-N	30.70	154.79	122.87
1	5Y	83	GLY	O-C-N	30.70	154.79	122.87
1	6E	83	GLY	O-C-N	30.70	154.79	122.87
1	6Y	83	GLY	O-C-N	30.70	154.79	122.87
1	7I	83	GLY	O-C-N	30.70	154.79	122.87
1	7U	83	GLY	O-C-N	30.70	154.79	122.87
1	1A	83	GLY	O-C-N	30.68	154.78	122.87
1	1I	83	GLY	O-C-N	30.68	154.78	122.87
1	2E	83	GLY	O-C-N	30.68	154.78	122.87
1	26	83	GLY	O-C-N	30.68	154.78	122.87
1	3E	83	GLY	O-C-N	30.68	154.78	122.87
1	4A	83	GLY	O-C-N	30.68	154.78	122.87
1	4M	83	GLY	O-C-N	30.68	154.78	122.87
1	4U	83	GLY	O-C-N	30.68	154.78	122.87
1	5Q	83	GLY	O-C-N	30.68	154.78	122.87
1	6I	83	GLY	O-C-N	30.68	154.78	122.87
1	6Q	83	GLY	O-C-N	30.68	154.78	122.87
1	7M	83	GLY	O-C-N	30.68	154.78	122.87
1	1M	83	GLY	O-C-N	30.67	154.77	122.87
1	2I	83	GLY	O-C-N	30.67	154.77	122.87
1	3A	83	GLY	O-C-N	30.67	154.77	122.87
1	3I	83	GLY	O-C-N	30.67	154.77	122.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	83	GLY	O-C-N	30.67	154.77	122.87
1	4E	83	GLY	O-C-N	30.67	154.77	122.87
1	4Y	83	GLY	O-C-N	30.67	154.77	122.87
1	5U	83	GLY	O-C-N	30.67	154.77	122.87
1	6M	83	GLY	O-C-N	30.67	154.77	122.87
1	6U	83	GLY	O-C-N	30.67	154.77	122.87
1	7E	83	GLY	O-C-N	30.67	154.77	122.87
1	7Q	83	GLY	O-C-N	30.67	154.77	122.87
1	1Q	83	GLY	O-C-N	30.65	154.75	122.87
1	1U	83	GLY	O-C-N	30.65	154.75	122.87
1	1Y	83	GLY	O-C-N	30.65	154.75	122.87
1	2Q	83	GLY	O-C-N	30.65	154.75	122.87
1	2U	83	GLY	O-C-N	30.65	154.75	122.87
1	2Y	83	GLY	O-C-N	30.65	154.75	122.87
1	42	83	GLY	O-C-N	30.65	154.75	122.87
1	46	83	GLY	O-C-N	30.65	154.75	122.87
1	5A	83	GLY	O-C-N	30.65	154.75	122.87
1	52	83	GLY	O-C-N	30.65	154.75	122.87
1	56	83	GLY	O-C-N	30.65	154.75	122.87
1	6A	83	GLY	O-C-N	30.65	154.75	122.87
2	13	31	PHE	CB-CG-CD2	-30.41	69.00	120.70
2	17	31	PHE	CB-CG-CD2	-30.41	69.00	120.70
2	2B	31	PHE	CB-CG-CD2	-30.41	69.00	120.70
2	3R	31	PHE	CB-CG-CD2	-30.41	69.00	120.70
2	3V	31	PHE	CB-CG-CD2	-30.41	69.00	120.70
2	3Z	31	PHE	CB-CG-CD2	-30.41	69.00	120.70
2	5F	31	PHE	CB-CG-CD2	-30.41	69.00	120.70
2	5J	31	PHE	CB-CG-CD2	-30.41	69.00	120.70
2	5N	31	PHE	CB-CG-CD2	-30.41	69.00	120.70
2	63	31	PHE	CB-CG-CD2	-30.41	69.00	120.70
2	67	31	PHE	CB-CG-CD2	-30.41	69.00	120.70
2	7B	31	PHE	CB-CG-CD2	-30.41	69.00	120.70
2	1B	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	1F	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	1J	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	1N	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	2F	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	2J	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	2N	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	23	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	27	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	3B	31	PHE	CB-CG-CD2	-30.40	69.02	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	3J	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	3N	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	33	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	37	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	4B	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	4F	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	4J	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	4N	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	4R	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	4V	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	4Z	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	5R	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	5V	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	5Z	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	6F	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	6J	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	6N	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	6R	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	6V	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	6Z	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	7F	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	7J	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	7N	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	7R	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	7V	31	PHE	CB-CG-CD2	-30.40	69.02	120.70
2	1R	31	PHE	CB-CG-CD2	-30.39	69.04	120.70
2	1V	31	PHE	CB-CG-CD2	-30.39	69.04	120.70
2	1Z	31	PHE	CB-CG-CD2	-30.39	69.04	120.70
2	2R	31	PHE	CB-CG-CD2	-30.39	69.04	120.70
2	2V	31	PHE	CB-CG-CD2	-30.39	69.04	120.70
2	2Z	31	PHE	CB-CG-CD2	-30.39	69.04	120.70
2	43	31	PHE	CB-CG-CD2	-30.39	69.04	120.70
2	47	31	PHE	CB-CG-CD2	-30.39	69.04	120.70
2	5B	31	PHE	CB-CG-CD2	-30.39	69.04	120.70
2	53	31	PHE	CB-CG-CD2	-30.39	69.04	120.70
2	57	31	PHE	CB-CG-CD2	-30.39	69.04	120.70
2	6B	31	PHE	CB-CG-CD2	-30.39	69.04	120.70
1	1A	65	PHE	CG-CD1-CE1	-30.25	69.27	120.70
1	1I	65	PHE	CG-CD1-CE1	-30.25	69.27	120.70
1	2E	65	PHE	CG-CD1-CE1	-30.25	69.27	120.70
1	26	65	PHE	CG-CD1-CE1	-30.25	69.27	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	65	PHE	CG-CD1-CE1	-30.25	69.27	120.70
1	4A	65	PHE	CG-CD1-CE1	-30.25	69.27	120.70
1	4M	65	PHE	CG-CD1-CE1	-30.25	69.27	120.70
1	4U	65	PHE	CG-CD1-CE1	-30.25	69.27	120.70
1	5Q	65	PHE	CG-CD1-CE1	-30.25	69.27	120.70
1	6I	65	PHE	CG-CD1-CE1	-30.25	69.27	120.70
1	6Q	65	PHE	CG-CD1-CE1	-30.25	69.27	120.70
1	7M	65	PHE	CG-CD1-CE1	-30.25	69.27	120.70
1	1E	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	2M	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	22	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	3M	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	36	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	4I	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	4Q	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	5Y	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	6E	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	6Y	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	7I	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	7U	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	1Q	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	1U	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	1Y	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	2Q	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	2U	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	2Y	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	42	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	46	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	5A	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	52	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	56	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	6A	65	PHE	CG-CD1-CE1	-30.25	69.28	120.70
1	1M	65	PHE	CG-CD1-CE1	-30.24	69.29	120.70
1	2I	65	PHE	CG-CD1-CE1	-30.24	69.29	120.70
1	3A	65	PHE	CG-CD1-CE1	-30.24	69.29	120.70
1	3I	65	PHE	CG-CD1-CE1	-30.24	69.29	120.70
1	32	65	PHE	CG-CD1-CE1	-30.24	69.29	120.70
1	4E	65	PHE	CG-CD1-CE1	-30.24	69.29	120.70
1	4Y	65	PHE	CG-CD1-CE1	-30.24	69.29	120.70
1	5U	65	PHE	CG-CD1-CE1	-30.24	69.29	120.70
1	6M	65	PHE	CG-CD1-CE1	-30.24	69.29	120.70
1	6U	65	PHE	CG-CD1-CE1	-30.24	69.29	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	65	PHE	CG-CD1-CE1	-30.24	69.29	120.70
1	7Q	65	PHE	CG-CD1-CE1	-30.24	69.29	120.70
1	12	65	PHE	CG-CD1-CE1	-30.23	69.31	120.70
1	16	65	PHE	CG-CD1-CE1	-30.23	69.31	120.70
1	2A	65	PHE	CG-CD1-CE1	-30.23	69.31	120.70
1	3Q	65	PHE	CG-CD1-CE1	-30.23	69.31	120.70
1	3U	65	PHE	CG-CD1-CE1	-30.23	69.31	120.70
1	3Y	65	PHE	CG-CD1-CE1	-30.23	69.31	120.70
1	5E	65	PHE	CG-CD1-CE1	-30.23	69.31	120.70
1	5I	65	PHE	CG-CD1-CE1	-30.23	69.31	120.70
1	5M	65	PHE	CG-CD1-CE1	-30.23	69.31	120.70
1	62	65	PHE	CG-CD1-CE1	-30.23	69.31	120.70
1	66	65	PHE	CG-CD1-CE1	-30.23	69.31	120.70
1	7A	65	PHE	CG-CD1-CE1	-30.23	69.31	120.70
2	1F	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	2N	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	23	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	3N	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	37	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	4J	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	4R	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	5Z	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	6F	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	6Z	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	7J	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	7V	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	1N	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	2J	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	3B	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	3J	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	33	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	4F	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	4Z	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	5V	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	6N	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	6V	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	7F	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	7R	107	PHE	CG-CD1-CE1	-30.22	69.32	120.70
2	13	107	PHE	CG-CD1-CE1	-30.22	69.33	120.70
2	17	107	PHE	CG-CD1-CE1	-30.22	69.33	120.70
2	2B	107	PHE	CG-CD1-CE1	-30.22	69.33	120.70
2	3R	107	PHE	CG-CD1-CE1	-30.22	69.33	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	107	PHE	CG-CD1-CE1	-30.22	69.33	120.70
2	3Z	107	PHE	CG-CD1-CE1	-30.22	69.33	120.70
2	5F	107	PHE	CG-CD1-CE1	-30.22	69.33	120.70
2	5J	107	PHE	CG-CD1-CE1	-30.22	69.33	120.70
2	5N	107	PHE	CG-CD1-CE1	-30.22	69.33	120.70
2	63	107	PHE	CG-CD1-CE1	-30.22	69.33	120.70
2	67	107	PHE	CG-CD1-CE1	-30.22	69.33	120.70
2	7B	107	PHE	CG-CD1-CE1	-30.22	69.33	120.70
2	1R	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	1V	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	1Z	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	2R	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	2V	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	2Z	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	43	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	47	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	5B	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	53	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	57	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	6B	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	1B	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	1J	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	2F	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	27	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	3F	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	4B	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	4N	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	4V	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	5R	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	6J	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	6R	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
2	7N	107	PHE	CG-CD1-CE1	-30.21	69.34	120.70
1	1M	150	TYR	N-CA-CB	-29.87	60.00	110.49
1	2I	150	TYR	N-CA-CB	-29.87	60.00	110.49
1	3A	150	TYR	N-CA-CB	-29.87	60.00	110.49
1	3I	150	TYR	N-CA-CB	-29.87	60.00	110.49
1	32	150	TYR	N-CA-CB	-29.87	60.00	110.49
1	4E	150	TYR	N-CA-CB	-29.87	60.00	110.49
1	4Y	150	TYR	N-CA-CB	-29.87	60.00	110.49
1	5U	150	TYR	N-CA-CB	-29.87	60.00	110.49
1	6M	150	TYR	N-CA-CB	-29.87	60.00	110.49
1	6U	150	TYR	N-CA-CB	-29.87	60.00	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	150	TYR	N-CA-CB	-29.87	60.00	110.49
1	7Q	150	TYR	N-CA-CB	-29.87	60.00	110.49
1	1A	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	1I	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	12	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	16	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	2A	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	2E	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	26	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	3E	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	3Q	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	3U	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	3Y	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	4A	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	4M	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	4U	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	5E	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	5I	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	5M	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	5Q	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	6I	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	6Q	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	62	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	66	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	7A	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	7M	150	TYR	N-CA-CB	-29.86	60.03	110.49
1	1E	150	TYR	N-CA-CB	-29.85	60.04	110.49
1	2M	150	TYR	N-CA-CB	-29.85	60.04	110.49
1	22	150	TYR	N-CA-CB	-29.85	60.04	110.49
1	3M	150	TYR	N-CA-CB	-29.85	60.04	110.49
1	36	150	TYR	N-CA-CB	-29.85	60.04	110.49
1	4I	150	TYR	N-CA-CB	-29.85	60.04	110.49
1	4Q	150	TYR	N-CA-CB	-29.85	60.04	110.49
1	5Y	150	TYR	N-CA-CB	-29.85	60.04	110.49
1	6E	150	TYR	N-CA-CB	-29.85	60.04	110.49
1	6Y	150	TYR	N-CA-CB	-29.85	60.04	110.49
1	7I	150	TYR	N-CA-CB	-29.85	60.04	110.49
1	7U	150	TYR	N-CA-CB	-29.85	60.04	110.49
1	1Q	150	TYR	N-CA-CB	-29.84	60.06	110.49
1	1U	150	TYR	N-CA-CB	-29.84	60.06	110.49
1	1Y	150	TYR	N-CA-CB	-29.84	60.06	110.49
1	2Q	150	TYR	N-CA-CB	-29.84	60.06	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	150	TYR	N-CA-CB	-29.84	60.06	110.49
1	2Y	150	TYR	N-CA-CB	-29.84	60.06	110.49
1	42	150	TYR	N-CA-CB	-29.84	60.06	110.49
1	46	150	TYR	N-CA-CB	-29.84	60.06	110.49
1	5A	150	TYR	N-CA-CB	-29.84	60.06	110.49
1	52	150	TYR	N-CA-CB	-29.84	60.06	110.49
1	56	150	TYR	N-CA-CB	-29.84	60.06	110.49
1	6A	150	TYR	N-CA-CB	-29.84	60.06	110.49
1	1E	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	1M	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	2I	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	2M	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	22	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	3A	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	3I	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	3M	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	32	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	36	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	4E	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	4I	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	4Q	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	4Y	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	5U	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	5Y	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	6E	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	6M	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	6U	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	6Y	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	7E	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	7I	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	7Q	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	7U	22	HIS	CE1-NE2-CD2	-29.78	79.22	109.00
1	1A	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	1I	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	1Q	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	1U	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	1Y	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	2E	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	2Q	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	2U	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	2Y	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	26	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	4A	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	4M	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	4U	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	42	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	46	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	5A	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	5Q	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	52	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	56	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	6A	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	6I	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	6Q	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	7M	22	HIS	CE1-NE2-CD2	-29.75	79.25	109.00
1	12	22	HIS	CE1-NE2-CD2	-29.73	79.27	109.00
1	16	22	HIS	CE1-NE2-CD2	-29.73	79.27	109.00
1	2A	22	HIS	CE1-NE2-CD2	-29.73	79.27	109.00
1	3Q	22	HIS	CE1-NE2-CD2	-29.73	79.27	109.00
1	3U	22	HIS	CE1-NE2-CD2	-29.73	79.27	109.00
1	3Y	22	HIS	CE1-NE2-CD2	-29.73	79.27	109.00
1	5E	22	HIS	CE1-NE2-CD2	-29.73	79.27	109.00
1	5I	22	HIS	CE1-NE2-CD2	-29.73	79.27	109.00
1	5M	22	HIS	CE1-NE2-CD2	-29.73	79.27	109.00
1	62	22	HIS	CE1-NE2-CD2	-29.73	79.27	109.00
1	66	22	HIS	CE1-NE2-CD2	-29.73	79.27	109.00
1	7A	22	HIS	CE1-NE2-CD2	-29.73	79.27	109.00
2	1R	107	PHE	CA-C-O	29.70	151.49	120.90
2	1V	107	PHE	CA-C-O	29.70	151.49	120.90
2	1Z	107	PHE	CA-C-O	29.70	151.49	120.90
2	2R	107	PHE	CA-C-O	29.70	151.49	120.90
2	2V	107	PHE	CA-C-O	29.70	151.49	120.90
2	2Z	107	PHE	CA-C-O	29.70	151.49	120.90
2	43	107	PHE	CA-C-O	29.70	151.49	120.90
2	47	107	PHE	CA-C-O	29.70	151.49	120.90
2	5B	107	PHE	CA-C-O	29.70	151.49	120.90
2	53	107	PHE	CA-C-O	29.70	151.49	120.90
2	57	107	PHE	CA-C-O	29.70	151.49	120.90
2	6B	107	PHE	CA-C-O	29.70	151.49	120.90
2	13	107	PHE	CA-C-O	29.69	151.48	120.90
2	17	107	PHE	CA-C-O	29.69	151.48	120.90
2	2B	107	PHE	CA-C-O	29.69	151.48	120.90
2	3R	107	PHE	CA-C-O	29.69	151.48	120.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	107	PHE	CA-C-O	29.69	151.48	120.90
2	3Z	107	PHE	CA-C-O	29.69	151.48	120.90
2	5F	107	PHE	CA-C-O	29.69	151.48	120.90
2	5J	107	PHE	CA-C-O	29.69	151.48	120.90
2	5N	107	PHE	CA-C-O	29.69	151.48	120.90
2	63	107	PHE	CA-C-O	29.69	151.48	120.90
2	67	107	PHE	CA-C-O	29.69	151.48	120.90
2	7B	107	PHE	CA-C-O	29.69	151.48	120.90
2	13	5	ASN	CB-CG-ND2	-29.68	71.88	116.40
2	17	5	ASN	CB-CG-ND2	-29.68	71.88	116.40
2	2B	5	ASN	CB-CG-ND2	-29.68	71.88	116.40
2	3R	5	ASN	CB-CG-ND2	-29.68	71.88	116.40
2	3V	5	ASN	CB-CG-ND2	-29.68	71.88	116.40
2	3Z	5	ASN	CB-CG-ND2	-29.68	71.88	116.40
2	5F	5	ASN	CB-CG-ND2	-29.68	71.88	116.40
2	5J	5	ASN	CB-CG-ND2	-29.68	71.88	116.40
2	5N	5	ASN	CB-CG-ND2	-29.68	71.88	116.40
2	63	5	ASN	CB-CG-ND2	-29.68	71.88	116.40
2	67	5	ASN	CB-CG-ND2	-29.68	71.88	116.40
2	7B	5	ASN	CB-CG-ND2	-29.68	71.88	116.40
2	1B	107	PHE	CA-C-O	29.68	151.47	120.90
2	1J	107	PHE	CA-C-O	29.68	151.47	120.90
2	2F	107	PHE	CA-C-O	29.68	151.47	120.90
2	27	107	PHE	CA-C-O	29.68	151.47	120.90
2	3F	107	PHE	CA-C-O	29.68	151.47	120.90
2	4B	107	PHE	CA-C-O	29.68	151.47	120.90
2	4N	107	PHE	CA-C-O	29.68	151.47	120.90
2	4V	107	PHE	CA-C-O	29.68	151.47	120.90
2	5R	107	PHE	CA-C-O	29.68	151.47	120.90
2	6J	107	PHE	CA-C-O	29.68	151.47	120.90
2	6R	107	PHE	CA-C-O	29.68	151.47	120.90
2	7N	107	PHE	CA-C-O	29.68	151.47	120.90
2	1N	5	ASN	CB-CG-ND2	-29.67	71.89	116.40
2	2J	5	ASN	CB-CG-ND2	-29.67	71.89	116.40
2	3B	5	ASN	CB-CG-ND2	-29.67	71.89	116.40
2	3J	5	ASN	CB-CG-ND2	-29.67	71.89	116.40
2	33	5	ASN	CB-CG-ND2	-29.67	71.89	116.40
2	4F	5	ASN	CB-CG-ND2	-29.67	71.89	116.40
2	4Z	5	ASN	CB-CG-ND2	-29.67	71.89	116.40
2	5V	5	ASN	CB-CG-ND2	-29.67	71.89	116.40
2	6N	5	ASN	CB-CG-ND2	-29.67	71.89	116.40
2	6V	5	ASN	CB-CG-ND2	-29.67	71.89	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	5	ASN	CB-CG-ND2	-29.67	71.89	116.40
2	7R	5	ASN	CB-CG-ND2	-29.67	71.89	116.40
2	1R	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	1V	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	1Z	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	2R	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	2V	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	2Z	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	43	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	47	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	5B	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	53	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	57	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	6B	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	1B	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	1J	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	2F	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	27	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	3F	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	4B	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	4N	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	4V	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	5R	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	6J	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	6R	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	7N	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	1F	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	2N	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	23	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	3N	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	37	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	4J	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	4R	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	5Z	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	6F	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	6Z	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	7J	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	7V	5	ASN	CB-CG-ND2	-29.66	71.91	116.40
2	1N	107	PHE	CA-C-O	29.65	151.44	120.90
2	2J	107	PHE	CA-C-O	29.65	151.44	120.90
2	3B	107	PHE	CA-C-O	29.65	151.44	120.90
2	3J	107	PHE	CA-C-O	29.65	151.44	120.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	107	PHE	CA-C-O	29.65	151.44	120.90
2	4F	107	PHE	CA-C-O	29.65	151.44	120.90
2	4Z	107	PHE	CA-C-O	29.65	151.44	120.90
2	5V	107	PHE	CA-C-O	29.65	151.44	120.90
2	6N	107	PHE	CA-C-O	29.65	151.44	120.90
2	6V	107	PHE	CA-C-O	29.65	151.44	120.90
2	7F	107	PHE	CA-C-O	29.65	151.44	120.90
2	7R	107	PHE	CA-C-O	29.65	151.44	120.90
2	1F	107	PHE	CA-C-O	29.65	151.44	120.90
2	2N	107	PHE	CA-C-O	29.65	151.44	120.90
2	23	107	PHE	CA-C-O	29.65	151.44	120.90
2	3N	107	PHE	CA-C-O	29.65	151.44	120.90
2	37	107	PHE	CA-C-O	29.65	151.44	120.90
2	4J	107	PHE	CA-C-O	29.65	151.44	120.90
2	4R	107	PHE	CA-C-O	29.65	151.44	120.90
2	5Z	107	PHE	CA-C-O	29.65	151.44	120.90
2	6F	107	PHE	CA-C-O	29.65	151.44	120.90
2	6Z	107	PHE	CA-C-O	29.65	151.44	120.90
2	7J	107	PHE	CA-C-O	29.65	151.44	120.90
2	7V	107	PHE	CA-C-O	29.65	151.44	120.90
2	13	42	HIS	CE1-NE2-CD2	-29.43	79.57	109.00
2	17	42	HIS	CE1-NE2-CD2	-29.43	79.57	109.00
2	2B	42	HIS	CE1-NE2-CD2	-29.43	79.57	109.00
2	3R	42	HIS	CE1-NE2-CD2	-29.43	79.57	109.00
2	3V	42	HIS	CE1-NE2-CD2	-29.43	79.57	109.00
2	3Z	42	HIS	CE1-NE2-CD2	-29.43	79.57	109.00
2	5F	42	HIS	CE1-NE2-CD2	-29.43	79.57	109.00
2	5J	42	HIS	CE1-NE2-CD2	-29.43	79.57	109.00
2	5N	42	HIS	CE1-NE2-CD2	-29.43	79.57	109.00
2	63	42	HIS	CE1-NE2-CD2	-29.43	79.57	109.00
2	67	42	HIS	CE1-NE2-CD2	-29.43	79.57	109.00
2	7B	42	HIS	CE1-NE2-CD2	-29.43	79.57	109.00
2	1B	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	1J	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	1N	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	2F	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	2J	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	27	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	3B	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	3F	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	3J	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	33	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	4F	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	4N	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	4V	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	4Z	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	5R	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	5V	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	6J	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	6N	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	6R	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	6V	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	7F	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	7N	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	7R	42	HIS	CE1-NE2-CD2	-29.43	79.58	109.00
2	1R	42	HIS	CE1-NE2-CD2	-29.42	79.58	109.00
2	1V	42	HIS	CE1-NE2-CD2	-29.42	79.58	109.00
2	1Z	42	HIS	CE1-NE2-CD2	-29.42	79.58	109.00
2	2R	42	HIS	CE1-NE2-CD2	-29.42	79.58	109.00
2	2V	42	HIS	CE1-NE2-CD2	-29.42	79.58	109.00
2	2Z	42	HIS	CE1-NE2-CD2	-29.42	79.58	109.00
2	43	42	HIS	CE1-NE2-CD2	-29.42	79.58	109.00
2	47	42	HIS	CE1-NE2-CD2	-29.42	79.58	109.00
2	5B	42	HIS	CE1-NE2-CD2	-29.42	79.58	109.00
2	53	42	HIS	CE1-NE2-CD2	-29.42	79.58	109.00
2	57	42	HIS	CE1-NE2-CD2	-29.42	79.58	109.00
2	6B	42	HIS	CE1-NE2-CD2	-29.42	79.58	109.00
2	1F	42	HIS	CE1-NE2-CD2	-29.41	79.59	109.00
2	2N	42	HIS	CE1-NE2-CD2	-29.41	79.59	109.00
2	23	42	HIS	CE1-NE2-CD2	-29.41	79.59	109.00
2	3N	42	HIS	CE1-NE2-CD2	-29.41	79.59	109.00
2	37	42	HIS	CE1-NE2-CD2	-29.41	79.59	109.00
2	4J	42	HIS	CE1-NE2-CD2	-29.41	79.59	109.00
2	4R	42	HIS	CE1-NE2-CD2	-29.41	79.59	109.00
2	5Z	42	HIS	CE1-NE2-CD2	-29.41	79.59	109.00
2	6F	42	HIS	CE1-NE2-CD2	-29.41	79.59	109.00
2	6Z	42	HIS	CE1-NE2-CD2	-29.41	79.59	109.00
2	7J	42	HIS	CE1-NE2-CD2	-29.41	79.59	109.00
2	7V	42	HIS	CE1-NE2-CD2	-29.41	79.59	109.00
1	12	151	ASN	CA-C-N	29.39	160.22	120.54
1	12	151	ASN	C-N-CA	29.39	160.22	120.54
1	16	151	ASN	CA-C-N	29.39	160.22	120.54
1	16	151	ASN	C-N-CA	29.39	160.22	120.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	151	ASN	CA-C-N	29.39	160.22	120.54
1	2A	151	ASN	C-N-CA	29.39	160.22	120.54
1	3Q	151	ASN	CA-C-N	29.39	160.22	120.54
1	3Q	151	ASN	C-N-CA	29.39	160.22	120.54
1	3U	151	ASN	CA-C-N	29.39	160.22	120.54
1	3U	151	ASN	C-N-CA	29.39	160.22	120.54
1	3Y	151	ASN	CA-C-N	29.39	160.22	120.54
1	3Y	151	ASN	C-N-CA	29.39	160.22	120.54
1	5E	151	ASN	CA-C-N	29.39	160.22	120.54
1	5E	151	ASN	C-N-CA	29.39	160.22	120.54
1	5I	151	ASN	CA-C-N	29.39	160.22	120.54
1	5I	151	ASN	C-N-CA	29.39	160.22	120.54
1	5M	151	ASN	CA-C-N	29.39	160.22	120.54
1	5M	151	ASN	C-N-CA	29.39	160.22	120.54
1	62	151	ASN	CA-C-N	29.39	160.22	120.54
1	62	151	ASN	C-N-CA	29.39	160.22	120.54
1	66	151	ASN	CA-C-N	29.39	160.22	120.54
1	66	151	ASN	C-N-CA	29.39	160.22	120.54
1	7A	151	ASN	CA-C-N	29.39	160.22	120.54
1	7A	151	ASN	C-N-CA	29.39	160.22	120.54
1	1A	151	ASN	CA-C-N	29.37	160.19	120.54
1	1A	151	ASN	C-N-CA	29.37	160.19	120.54
1	1I	151	ASN	CA-C-N	29.37	160.19	120.54
1	1I	151	ASN	C-N-CA	29.37	160.19	120.54
1	2E	151	ASN	CA-C-N	29.37	160.19	120.54
1	2E	151	ASN	C-N-CA	29.37	160.19	120.54
1	26	151	ASN	CA-C-N	29.37	160.19	120.54
1	26	151	ASN	C-N-CA	29.37	160.19	120.54
1	3E	151	ASN	CA-C-N	29.37	160.19	120.54
1	3E	151	ASN	C-N-CA	29.37	160.19	120.54
1	4A	151	ASN	CA-C-N	29.37	160.19	120.54
1	4A	151	ASN	C-N-CA	29.37	160.19	120.54
1	4M	151	ASN	CA-C-N	29.37	160.19	120.54
1	4M	151	ASN	C-N-CA	29.37	160.19	120.54
1	4U	151	ASN	CA-C-N	29.37	160.19	120.54
1	4U	151	ASN	C-N-CA	29.37	160.19	120.54
1	5Q	151	ASN	CA-C-N	29.37	160.19	120.54
1	5Q	151	ASN	C-N-CA	29.37	160.19	120.54
1	6I	151	ASN	CA-C-N	29.37	160.19	120.54
1	6I	151	ASN	C-N-CA	29.37	160.19	120.54
1	6Q	151	ASN	CA-C-N	29.37	160.19	120.54
1	6Q	151	ASN	C-N-CA	29.37	160.19	120.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	151	ASN	CA-C-N	29.37	160.19	120.54
1	7M	151	ASN	C-N-CA	29.37	160.19	120.54
1	1E	151	ASN	CA-C-N	29.37	160.19	120.54
1	1E	151	ASN	C-N-CA	29.37	160.19	120.54
1	2M	151	ASN	CA-C-N	29.37	160.19	120.54
1	2M	151	ASN	C-N-CA	29.37	160.19	120.54
1	22	151	ASN	CA-C-N	29.37	160.19	120.54
1	22	151	ASN	C-N-CA	29.37	160.19	120.54
1	3M	151	ASN	CA-C-N	29.37	160.19	120.54
1	3M	151	ASN	C-N-CA	29.37	160.19	120.54
1	36	151	ASN	CA-C-N	29.37	160.19	120.54
1	36	151	ASN	C-N-CA	29.37	160.19	120.54
1	4I	151	ASN	CA-C-N	29.37	160.19	120.54
1	4I	151	ASN	C-N-CA	29.37	160.19	120.54
1	4Q	151	ASN	CA-C-N	29.37	160.19	120.54
1	4Q	151	ASN	C-N-CA	29.37	160.19	120.54
1	5Y	151	ASN	CA-C-N	29.37	160.19	120.54
1	5Y	151	ASN	C-N-CA	29.37	160.19	120.54
1	6E	151	ASN	CA-C-N	29.37	160.19	120.54
1	6E	151	ASN	C-N-CA	29.37	160.19	120.54
1	6Y	151	ASN	CA-C-N	29.37	160.19	120.54
1	6Y	151	ASN	C-N-CA	29.37	160.19	120.54
1	7I	151	ASN	CA-C-N	29.37	160.19	120.54
1	7I	151	ASN	C-N-CA	29.37	160.19	120.54
1	7U	151	ASN	CA-C-N	29.37	160.19	120.54
1	7U	151	ASN	C-N-CA	29.37	160.19	120.54
1	1M	151	ASN	CA-C-N	29.36	160.17	120.54
1	1M	151	ASN	C-N-CA	29.36	160.17	120.54
1	2I	151	ASN	CA-C-N	29.36	160.17	120.54
1	2I	151	ASN	C-N-CA	29.36	160.17	120.54
1	3A	151	ASN	CA-C-N	29.36	160.17	120.54
1	3A	151	ASN	C-N-CA	29.36	160.17	120.54
1	3I	151	ASN	CA-C-N	29.36	160.17	120.54
1	3I	151	ASN	C-N-CA	29.36	160.17	120.54
1	32	151	ASN	CA-C-N	29.36	160.17	120.54
1	32	151	ASN	C-N-CA	29.36	160.17	120.54
1	4E	151	ASN	CA-C-N	29.36	160.17	120.54
1	4E	151	ASN	C-N-CA	29.36	160.17	120.54
1	4Y	151	ASN	CA-C-N	29.36	160.17	120.54
1	4Y	151	ASN	C-N-CA	29.36	160.17	120.54
1	5U	151	ASN	CA-C-N	29.36	160.17	120.54
1	5U	151	ASN	C-N-CA	29.36	160.17	120.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6M	151	ASN	CA-C-N	29.36	160.17	120.54
1	6M	151	ASN	C-N-CA	29.36	160.17	120.54
1	6U	151	ASN	CA-C-N	29.36	160.17	120.54
1	6U	151	ASN	C-N-CA	29.36	160.17	120.54
1	7E	151	ASN	CA-C-N	29.36	160.17	120.54
1	7E	151	ASN	C-N-CA	29.36	160.17	120.54
1	7Q	151	ASN	CA-C-N	29.36	160.17	120.54
1	7Q	151	ASN	C-N-CA	29.36	160.17	120.54
1	1Q	151	ASN	CA-C-N	29.34	160.15	120.54
1	1Q	151	ASN	C-N-CA	29.34	160.15	120.54
1	1U	151	ASN	CA-C-N	29.34	160.15	120.54
1	1U	151	ASN	C-N-CA	29.34	160.15	120.54
1	1Y	151	ASN	CA-C-N	29.34	160.15	120.54
1	1Y	151	ASN	C-N-CA	29.34	160.15	120.54
1	2Q	151	ASN	CA-C-N	29.34	160.15	120.54
1	2Q	151	ASN	C-N-CA	29.34	160.15	120.54
1	2U	151	ASN	CA-C-N	29.34	160.15	120.54
1	2U	151	ASN	C-N-CA	29.34	160.15	120.54
1	2Y	151	ASN	CA-C-N	29.34	160.15	120.54
1	2Y	151	ASN	C-N-CA	29.34	160.15	120.54
1	42	151	ASN	CA-C-N	29.34	160.15	120.54
1	42	151	ASN	C-N-CA	29.34	160.15	120.54
1	46	151	ASN	CA-C-N	29.34	160.15	120.54
1	46	151	ASN	C-N-CA	29.34	160.15	120.54
1	5A	151	ASN	CA-C-N	29.34	160.15	120.54
1	5A	151	ASN	C-N-CA	29.34	160.15	120.54
1	52	151	ASN	CA-C-N	29.34	160.15	120.54
1	52	151	ASN	C-N-CA	29.34	160.15	120.54
1	56	151	ASN	CA-C-N	29.34	160.15	120.54
1	56	151	ASN	C-N-CA	29.34	160.15	120.54
1	6A	151	ASN	CA-C-N	29.34	160.15	120.54
1	6A	151	ASN	C-N-CA	29.34	160.15	120.54
2	1F	71	ALA	O-C-N	29.30	152.59	123.29
2	2N	71	ALA	O-C-N	29.30	152.59	123.29
2	23	71	ALA	O-C-N	29.30	152.59	123.29
2	3N	71	ALA	O-C-N	29.30	152.59	123.29
2	37	71	ALA	O-C-N	29.30	152.59	123.29
2	4J	71	ALA	O-C-N	29.30	152.59	123.29
2	4R	71	ALA	O-C-N	29.30	152.59	123.29
2	5Z	71	ALA	O-C-N	29.30	152.59	123.29
2	6F	71	ALA	O-C-N	29.30	152.59	123.29
2	6Z	71	ALA	O-C-N	29.30	152.59	123.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	71	ALA	O-C-N	29.30	152.59	123.29
2	7V	71	ALA	O-C-N	29.30	152.59	123.29
2	1N	71	ALA	O-C-N	29.30	152.59	123.29
2	2J	71	ALA	O-C-N	29.30	152.59	123.29
2	3B	71	ALA	O-C-N	29.30	152.59	123.29
2	3J	71	ALA	O-C-N	29.30	152.59	123.29
2	33	71	ALA	O-C-N	29.30	152.59	123.29
2	4F	71	ALA	O-C-N	29.30	152.59	123.29
2	4Z	71	ALA	O-C-N	29.30	152.59	123.29
2	5V	71	ALA	O-C-N	29.30	152.59	123.29
2	6N	71	ALA	O-C-N	29.30	152.59	123.29
2	6V	71	ALA	O-C-N	29.30	152.59	123.29
2	7F	71	ALA	O-C-N	29.30	152.59	123.29
2	7R	71	ALA	O-C-N	29.30	152.59	123.29
2	1B	71	ALA	O-C-N	29.28	152.57	123.29
2	1J	71	ALA	O-C-N	29.28	152.57	123.29
2	2F	71	ALA	O-C-N	29.28	152.57	123.29
2	27	71	ALA	O-C-N	29.28	152.57	123.29
2	3F	71	ALA	O-C-N	29.28	152.57	123.29
2	4B	71	ALA	O-C-N	29.28	152.57	123.29
2	4N	71	ALA	O-C-N	29.28	152.57	123.29
2	4V	71	ALA	O-C-N	29.28	152.57	123.29
2	5R	71	ALA	O-C-N	29.28	152.57	123.29
2	6J	71	ALA	O-C-N	29.28	152.57	123.29
2	6R	71	ALA	O-C-N	29.28	152.57	123.29
2	7N	71	ALA	O-C-N	29.28	152.57	123.29
2	13	71	ALA	O-C-N	29.26	152.55	123.29
2	17	71	ALA	O-C-N	29.26	152.55	123.29
2	2B	71	ALA	O-C-N	29.26	152.55	123.29
2	3R	71	ALA	O-C-N	29.26	152.55	123.29
2	3V	71	ALA	O-C-N	29.26	152.55	123.29
2	3Z	71	ALA	O-C-N	29.26	152.55	123.29
2	5F	71	ALA	O-C-N	29.26	152.55	123.29
2	5J	71	ALA	O-C-N	29.26	152.55	123.29
2	5N	71	ALA	O-C-N	29.26	152.55	123.29
2	63	71	ALA	O-C-N	29.26	152.55	123.29
2	67	71	ALA	O-C-N	29.26	152.55	123.29
2	7B	71	ALA	O-C-N	29.26	152.55	123.29
2	1R	71	ALA	O-C-N	29.24	152.53	123.29
2	1V	71	ALA	O-C-N	29.24	152.53	123.29
2	1Z	71	ALA	O-C-N	29.24	152.53	123.29
2	2R	71	ALA	O-C-N	29.24	152.53	123.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	71	ALA	O-C-N	29.24	152.53	123.29
2	2Z	71	ALA	O-C-N	29.24	152.53	123.29
2	43	71	ALA	O-C-N	29.24	152.53	123.29
2	47	71	ALA	O-C-N	29.24	152.53	123.29
2	5B	71	ALA	O-C-N	29.24	152.53	123.29
2	53	71	ALA	O-C-N	29.24	152.53	123.29
2	57	71	ALA	O-C-N	29.24	152.53	123.29
2	6B	71	ALA	O-C-N	29.24	152.53	123.29
2	1B	30	PRO	N-CA-CB	29.03	133.73	103.25
2	1J	30	PRO	N-CA-CB	29.03	133.73	103.25
2	2F	30	PRO	N-CA-CB	29.03	133.73	103.25
2	27	30	PRO	N-CA-CB	29.03	133.73	103.25
2	3F	30	PRO	N-CA-CB	29.03	133.73	103.25
2	4B	30	PRO	N-CA-CB	29.03	133.73	103.25
2	4N	30	PRO	N-CA-CB	29.03	133.73	103.25
2	4V	30	PRO	N-CA-CB	29.03	133.73	103.25
2	5R	30	PRO	N-CA-CB	29.03	133.73	103.25
2	6J	30	PRO	N-CA-CB	29.03	133.73	103.25
2	6R	30	PRO	N-CA-CB	29.03	133.73	103.25
2	7N	30	PRO	N-CA-CB	29.03	133.73	103.25
2	1R	30	PRO	N-CA-CB	29.03	133.73	103.25
2	1V	30	PRO	N-CA-CB	29.03	133.73	103.25
2	1Z	30	PRO	N-CA-CB	29.03	133.73	103.25
2	2R	30	PRO	N-CA-CB	29.03	133.73	103.25
2	2V	30	PRO	N-CA-CB	29.03	133.73	103.25
2	2Z	30	PRO	N-CA-CB	29.03	133.73	103.25
2	43	30	PRO	N-CA-CB	29.03	133.73	103.25
2	47	30	PRO	N-CA-CB	29.03	133.73	103.25
2	5B	30	PRO	N-CA-CB	29.03	133.73	103.25
2	53	30	PRO	N-CA-CB	29.03	133.73	103.25
2	57	30	PRO	N-CA-CB	29.03	133.73	103.25
2	6B	30	PRO	N-CA-CB	29.03	133.73	103.25
2	1N	30	PRO	N-CA-CB	29.00	133.70	103.25
2	2J	30	PRO	N-CA-CB	29.00	133.70	103.25
2	3B	30	PRO	N-CA-CB	29.00	133.70	103.25
2	3J	30	PRO	N-CA-CB	29.00	133.70	103.25
2	33	30	PRO	N-CA-CB	29.00	133.70	103.25
2	4F	30	PRO	N-CA-CB	29.00	133.70	103.25
2	4Z	30	PRO	N-CA-CB	29.00	133.70	103.25
2	5V	30	PRO	N-CA-CB	29.00	133.70	103.25
2	6N	30	PRO	N-CA-CB	29.00	133.70	103.25
2	6V	30	PRO	N-CA-CB	29.00	133.70	103.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	30	PRO	N-CA-CB	29.00	133.70	103.25
2	7R	30	PRO	N-CA-CB	29.00	133.70	103.25
2	1F	30	PRO	N-CA-CB	29.00	133.70	103.25
2	2N	30	PRO	N-CA-CB	29.00	133.70	103.25
2	23	30	PRO	N-CA-CB	29.00	133.70	103.25
2	3N	30	PRO	N-CA-CB	29.00	133.70	103.25
2	37	30	PRO	N-CA-CB	29.00	133.70	103.25
2	4J	30	PRO	N-CA-CB	29.00	133.70	103.25
2	4R	30	PRO	N-CA-CB	29.00	133.70	103.25
2	5Z	30	PRO	N-CA-CB	29.00	133.70	103.25
2	6F	30	PRO	N-CA-CB	29.00	133.70	103.25
2	6Z	30	PRO	N-CA-CB	29.00	133.70	103.25
2	7J	30	PRO	N-CA-CB	29.00	133.70	103.25
2	7V	30	PRO	N-CA-CB	29.00	133.70	103.25
2	13	30	PRO	N-CA-CB	28.99	133.69	103.25
2	17	30	PRO	N-CA-CB	28.99	133.69	103.25
2	2B	30	PRO	N-CA-CB	28.99	133.69	103.25
2	3R	30	PRO	N-CA-CB	28.99	133.69	103.25
2	3V	30	PRO	N-CA-CB	28.99	133.69	103.25
2	3Z	30	PRO	N-CA-CB	28.99	133.69	103.25
2	5F	30	PRO	N-CA-CB	28.99	133.69	103.25
2	5J	30	PRO	N-CA-CB	28.99	133.69	103.25
2	5N	30	PRO	N-CA-CB	28.99	133.69	103.25
2	63	30	PRO	N-CA-CB	28.99	133.69	103.25
2	67	30	PRO	N-CA-CB	28.99	133.69	103.25
2	7B	30	PRO	N-CA-CB	28.99	133.69	103.25
2	13	23	HIS	ND1-CG-CD2	-28.98	77.12	106.10
2	17	23	HIS	ND1-CG-CD2	-28.98	77.12	106.10
2	2B	23	HIS	ND1-CG-CD2	-28.98	77.12	106.10
2	3R	23	HIS	ND1-CG-CD2	-28.98	77.12	106.10
2	3V	23	HIS	ND1-CG-CD2	-28.98	77.12	106.10
2	3Z	23	HIS	ND1-CG-CD2	-28.98	77.12	106.10
2	5F	23	HIS	ND1-CG-CD2	-28.98	77.12	106.10
2	5J	23	HIS	ND1-CG-CD2	-28.98	77.12	106.10
2	5N	23	HIS	ND1-CG-CD2	-28.98	77.12	106.10
2	63	23	HIS	ND1-CG-CD2	-28.98	77.12	106.10
2	67	23	HIS	ND1-CG-CD2	-28.98	77.12	106.10
2	7B	23	HIS	ND1-CG-CD2	-28.98	77.12	106.10
2	1F	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	2N	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	23	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	3N	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	4J	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	4R	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	5Z	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	6F	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	6Z	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	7J	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	7V	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	1B	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	1J	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	2F	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	27	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	3F	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	4B	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	4N	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	4V	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	5R	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	6J	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	6R	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	7N	23	HIS	ND1-CG-CD2	-28.94	77.16	106.10
2	1N	23	HIS	ND1-CG-CD2	-28.93	77.17	106.10
2	2J	23	HIS	ND1-CG-CD2	-28.93	77.17	106.10
2	3B	23	HIS	ND1-CG-CD2	-28.93	77.17	106.10
2	3J	23	HIS	ND1-CG-CD2	-28.93	77.17	106.10
2	33	23	HIS	ND1-CG-CD2	-28.93	77.17	106.10
2	4F	23	HIS	ND1-CG-CD2	-28.93	77.17	106.10
2	4Z	23	HIS	ND1-CG-CD2	-28.93	77.17	106.10
2	5V	23	HIS	ND1-CG-CD2	-28.93	77.17	106.10
2	6N	23	HIS	ND1-CG-CD2	-28.93	77.17	106.10
2	6V	23	HIS	ND1-CG-CD2	-28.93	77.17	106.10
2	7F	23	HIS	ND1-CG-CD2	-28.93	77.17	106.10
2	7R	23	HIS	ND1-CG-CD2	-28.93	77.17	106.10
1	1Q	151	ASN	N-CA-C	-28.92	75.24	108.49
1	1U	151	ASN	N-CA-C	-28.92	75.24	108.49
1	1Y	151	ASN	N-CA-C	-28.92	75.24	108.49
1	2Q	151	ASN	N-CA-C	-28.92	75.24	108.49
1	2U	151	ASN	N-CA-C	-28.92	75.24	108.49
1	2Y	151	ASN	N-CA-C	-28.92	75.24	108.49
1	42	151	ASN	N-CA-C	-28.92	75.24	108.49
1	46	151	ASN	N-CA-C	-28.92	75.24	108.49
1	5A	151	ASN	N-CA-C	-28.92	75.24	108.49
1	52	151	ASN	N-CA-C	-28.92	75.24	108.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	151	ASN	N-CA-C	-28.92	75.24	108.49
1	6A	151	ASN	N-CA-C	-28.92	75.24	108.49
2	1R	23	HIS	ND1-CG-CD2	-28.91	77.19	106.10
2	1V	23	HIS	ND1-CG-CD2	-28.91	77.19	106.10
2	1Z	23	HIS	ND1-CG-CD2	-28.91	77.19	106.10
2	2R	23	HIS	ND1-CG-CD2	-28.91	77.19	106.10
2	2V	23	HIS	ND1-CG-CD2	-28.91	77.19	106.10
2	2Z	23	HIS	ND1-CG-CD2	-28.91	77.19	106.10
2	43	23	HIS	ND1-CG-CD2	-28.91	77.19	106.10
2	47	23	HIS	ND1-CG-CD2	-28.91	77.19	106.10
2	5B	23	HIS	ND1-CG-CD2	-28.91	77.19	106.10
2	53	23	HIS	ND1-CG-CD2	-28.91	77.19	106.10
2	57	23	HIS	ND1-CG-CD2	-28.91	77.19	106.10
2	6B	23	HIS	ND1-CG-CD2	-28.91	77.19	106.10
1	1M	151	ASN	N-CA-C	-28.90	75.25	108.49
1	2I	151	ASN	N-CA-C	-28.90	75.25	108.49
1	3A	151	ASN	N-CA-C	-28.90	75.25	108.49
1	3I	151	ASN	N-CA-C	-28.90	75.25	108.49
1	32	151	ASN	N-CA-C	-28.90	75.25	108.49
1	4E	151	ASN	N-CA-C	-28.90	75.25	108.49
1	4Y	151	ASN	N-CA-C	-28.90	75.25	108.49
1	5U	151	ASN	N-CA-C	-28.90	75.25	108.49
1	6M	151	ASN	N-CA-C	-28.90	75.25	108.49
1	6U	151	ASN	N-CA-C	-28.90	75.25	108.49
1	7E	151	ASN	N-CA-C	-28.90	75.25	108.49
1	7Q	151	ASN	N-CA-C	-28.90	75.25	108.49
1	1E	151	ASN	N-CA-C	-28.87	75.29	108.49
1	12	151	ASN	N-CA-C	-28.87	75.29	108.49
1	16	151	ASN	N-CA-C	-28.87	75.29	108.49
1	2A	151	ASN	N-CA-C	-28.87	75.29	108.49
1	2M	151	ASN	N-CA-C	-28.87	75.29	108.49
1	22	151	ASN	N-CA-C	-28.87	75.29	108.49
1	3M	151	ASN	N-CA-C	-28.87	75.29	108.49
1	3Q	151	ASN	N-CA-C	-28.87	75.29	108.49
1	3U	151	ASN	N-CA-C	-28.87	75.29	108.49
1	3Y	151	ASN	N-CA-C	-28.87	75.29	108.49
1	36	151	ASN	N-CA-C	-28.87	75.29	108.49
1	4I	151	ASN	N-CA-C	-28.87	75.29	108.49
1	4Q	151	ASN	N-CA-C	-28.87	75.29	108.49
1	5E	151	ASN	N-CA-C	-28.87	75.29	108.49
1	5I	151	ASN	N-CA-C	-28.87	75.29	108.49
1	5M	151	ASN	N-CA-C	-28.87	75.29	108.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	151	ASN	N-CA-C	-28.87	75.29	108.49
1	6E	151	ASN	N-CA-C	-28.87	75.29	108.49
1	6Y	151	ASN	N-CA-C	-28.87	75.29	108.49
1	62	151	ASN	N-CA-C	-28.87	75.29	108.49
1	66	151	ASN	N-CA-C	-28.87	75.29	108.49
1	7A	151	ASN	N-CA-C	-28.87	75.29	108.49
1	7I	151	ASN	N-CA-C	-28.87	75.29	108.49
1	7U	151	ASN	N-CA-C	-28.87	75.29	108.49
1	1A	151	ASN	N-CA-C	-28.86	75.30	108.49
1	1I	151	ASN	N-CA-C	-28.86	75.30	108.49
1	2E	151	ASN	N-CA-C	-28.86	75.30	108.49
1	26	151	ASN	N-CA-C	-28.86	75.30	108.49
1	3E	151	ASN	N-CA-C	-28.86	75.30	108.49
1	4A	151	ASN	N-CA-C	-28.86	75.30	108.49
1	4M	151	ASN	N-CA-C	-28.86	75.30	108.49
1	4U	151	ASN	N-CA-C	-28.86	75.30	108.49
1	5Q	151	ASN	N-CA-C	-28.86	75.30	108.49
1	6I	151	ASN	N-CA-C	-28.86	75.30	108.49
1	6Q	151	ASN	N-CA-C	-28.86	75.30	108.49
1	7M	151	ASN	N-CA-C	-28.86	75.30	108.49
2	13	107	PHE	CD1-CG-CD2	-28.69	75.57	118.60
2	17	107	PHE	CD1-CG-CD2	-28.69	75.57	118.60
2	2B	107	PHE	CD1-CG-CD2	-28.69	75.57	118.60
2	3R	107	PHE	CD1-CG-CD2	-28.69	75.57	118.60
2	3V	107	PHE	CD1-CG-CD2	-28.69	75.57	118.60
2	3Z	107	PHE	CD1-CG-CD2	-28.69	75.57	118.60
2	5F	107	PHE	CD1-CG-CD2	-28.69	75.57	118.60
2	5J	107	PHE	CD1-CG-CD2	-28.69	75.57	118.60
2	5N	107	PHE	CD1-CG-CD2	-28.69	75.57	118.60
2	63	107	PHE	CD1-CG-CD2	-28.69	75.57	118.60
2	67	107	PHE	CD1-CG-CD2	-28.69	75.57	118.60
2	7B	107	PHE	CD1-CG-CD2	-28.69	75.57	118.60
2	1B	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	1J	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	1R	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	1V	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	1Z	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	2F	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	2R	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	2V	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	2Z	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	27	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	4B	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	4N	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	4V	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	43	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	47	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	5B	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	5R	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	53	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	57	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	6B	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	6J	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	6R	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	7N	107	PHE	CD1-CG-CD2	-28.67	75.59	118.60
2	1F	107	PHE	CD1-CG-CD2	-28.67	75.60	118.60
2	2N	107	PHE	CD1-CG-CD2	-28.67	75.60	118.60
2	23	107	PHE	CD1-CG-CD2	-28.67	75.60	118.60
2	3N	107	PHE	CD1-CG-CD2	-28.67	75.60	118.60
2	37	107	PHE	CD1-CG-CD2	-28.67	75.60	118.60
2	4J	107	PHE	CD1-CG-CD2	-28.67	75.60	118.60
2	4R	107	PHE	CD1-CG-CD2	-28.67	75.60	118.60
2	5Z	107	PHE	CD1-CG-CD2	-28.67	75.60	118.60
2	6F	107	PHE	CD1-CG-CD2	-28.67	75.60	118.60
2	6Z	107	PHE	CD1-CG-CD2	-28.67	75.60	118.60
2	7J	107	PHE	CD1-CG-CD2	-28.67	75.60	118.60
2	7V	107	PHE	CD1-CG-CD2	-28.67	75.60	118.60
2	1N	107	PHE	CD1-CG-CD2	-28.65	75.62	118.60
2	2J	107	PHE	CD1-CG-CD2	-28.65	75.62	118.60
2	3B	107	PHE	CD1-CG-CD2	-28.65	75.62	118.60
2	3J	107	PHE	CD1-CG-CD2	-28.65	75.62	118.60
2	33	107	PHE	CD1-CG-CD2	-28.65	75.62	118.60
2	4F	107	PHE	CD1-CG-CD2	-28.65	75.62	118.60
2	4Z	107	PHE	CD1-CG-CD2	-28.65	75.62	118.60
2	5V	107	PHE	CD1-CG-CD2	-28.65	75.62	118.60
2	6N	107	PHE	CD1-CG-CD2	-28.65	75.62	118.60
2	6V	107	PHE	CD1-CG-CD2	-28.65	75.62	118.60
2	7F	107	PHE	CD1-CG-CD2	-28.65	75.62	118.60
2	7R	107	PHE	CD1-CG-CD2	-28.65	75.62	118.60
2	1F	78	HIS	CE1-NE2-CD2	-28.33	80.67	109.00
2	2N	78	HIS	CE1-NE2-CD2	-28.33	80.67	109.00
2	23	78	HIS	CE1-NE2-CD2	-28.33	80.67	109.00
2	3N	78	HIS	CE1-NE2-CD2	-28.33	80.67	109.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	78	HIS	CE1-NE2-CD2	-28.33	80.67	109.00
2	4J	78	HIS	CE1-NE2-CD2	-28.33	80.67	109.00
2	4R	78	HIS	CE1-NE2-CD2	-28.33	80.67	109.00
2	5Z	78	HIS	CE1-NE2-CD2	-28.33	80.67	109.00
2	6F	78	HIS	CE1-NE2-CD2	-28.33	80.67	109.00
2	6Z	78	HIS	CE1-NE2-CD2	-28.33	80.67	109.00
2	7J	78	HIS	CE1-NE2-CD2	-28.33	80.67	109.00
2	7V	78	HIS	CE1-NE2-CD2	-28.33	80.67	109.00
2	1B	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	1J	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	2F	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	27	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	3F	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	4B	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	4N	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	4V	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	5R	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	6J	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	6R	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	7N	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	13	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	17	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	2B	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	3R	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	3V	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	3Z	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	5F	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	5J	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	5N	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	63	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	67	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	7B	78	HIS	CE1-NE2-CD2	-28.32	80.68	109.00
2	1R	78	HIS	CE1-NE2-CD2	-28.31	80.69	109.00
2	1V	78	HIS	CE1-NE2-CD2	-28.31	80.69	109.00
2	1Z	78	HIS	CE1-NE2-CD2	-28.31	80.69	109.00
2	2R	78	HIS	CE1-NE2-CD2	-28.31	80.69	109.00
2	2V	78	HIS	CE1-NE2-CD2	-28.31	80.69	109.00
2	2Z	78	HIS	CE1-NE2-CD2	-28.31	80.69	109.00
2	43	78	HIS	CE1-NE2-CD2	-28.31	80.69	109.00
2	47	78	HIS	CE1-NE2-CD2	-28.31	80.69	109.00
2	5B	78	HIS	CE1-NE2-CD2	-28.31	80.69	109.00
2	53	78	HIS	CE1-NE2-CD2	-28.31	80.69	109.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	78	HIS	CE1-NE2-CD2	-28.31	80.69	109.00
2	6B	78	HIS	CE1-NE2-CD2	-28.31	80.69	109.00
2	1N	78	HIS	CE1-NE2-CD2	-28.30	80.70	109.00
2	2J	78	HIS	CE1-NE2-CD2	-28.30	80.70	109.00
2	3B	78	HIS	CE1-NE2-CD2	-28.30	80.70	109.00
2	3J	78	HIS	CE1-NE2-CD2	-28.30	80.70	109.00
2	33	78	HIS	CE1-NE2-CD2	-28.30	80.70	109.00
2	4F	78	HIS	CE1-NE2-CD2	-28.30	80.70	109.00
2	4Z	78	HIS	CE1-NE2-CD2	-28.30	80.70	109.00
2	5V	78	HIS	CE1-NE2-CD2	-28.30	80.70	109.00
2	6N	78	HIS	CE1-NE2-CD2	-28.30	80.70	109.00
2	6V	78	HIS	CE1-NE2-CD2	-28.30	80.70	109.00
2	7F	78	HIS	CE1-NE2-CD2	-28.30	80.70	109.00
2	7R	78	HIS	CE1-NE2-CD2	-28.30	80.70	109.00
2	13	35	PHE	CA-C-N	-28.16	72.81	120.68
2	13	35	PHE	C-N-CA	-28.16	72.81	120.68
2	17	35	PHE	CA-C-N	-28.16	72.81	120.68
2	17	35	PHE	C-N-CA	-28.16	72.81	120.68
2	2B	35	PHE	CA-C-N	-28.16	72.81	120.68
2	2B	35	PHE	C-N-CA	-28.16	72.81	120.68
2	3R	35	PHE	CA-C-N	-28.16	72.81	120.68
2	3R	35	PHE	C-N-CA	-28.16	72.81	120.68
2	3V	35	PHE	CA-C-N	-28.16	72.81	120.68
2	3V	35	PHE	C-N-CA	-28.16	72.81	120.68
2	3Z	35	PHE	CA-C-N	-28.16	72.81	120.68
2	3Z	35	PHE	C-N-CA	-28.16	72.81	120.68
2	5F	35	PHE	CA-C-N	-28.16	72.81	120.68
2	5F	35	PHE	C-N-CA	-28.16	72.81	120.68
2	5J	35	PHE	CA-C-N	-28.16	72.81	120.68
2	5J	35	PHE	C-N-CA	-28.16	72.81	120.68
2	5N	35	PHE	CA-C-N	-28.16	72.81	120.68
2	5N	35	PHE	C-N-CA	-28.16	72.81	120.68
2	63	35	PHE	CA-C-N	-28.16	72.81	120.68
2	63	35	PHE	C-N-CA	-28.16	72.81	120.68
2	67	35	PHE	CA-C-N	-28.16	72.81	120.68
2	67	35	PHE	C-N-CA	-28.16	72.81	120.68
2	7B	35	PHE	CA-C-N	-28.16	72.81	120.68
2	7B	35	PHE	C-N-CA	-28.16	72.81	120.68
2	1B	35	PHE	CA-C-N	-28.15	72.82	120.68
2	1B	35	PHE	C-N-CA	-28.15	72.82	120.68
2	1J	35	PHE	CA-C-N	-28.15	72.82	120.68
2	1J	35	PHE	C-N-CA	-28.15	72.82	120.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2F	35	PHE	CA-C-N	-28.15	72.82	120.68
2	2F	35	PHE	C-N-CA	-28.15	72.82	120.68
2	27	35	PHE	CA-C-N	-28.15	72.82	120.68
2	27	35	PHE	C-N-CA	-28.15	72.82	120.68
2	3F	35	PHE	CA-C-N	-28.15	72.82	120.68
2	3F	35	PHE	C-N-CA	-28.15	72.82	120.68
2	4B	35	PHE	CA-C-N	-28.15	72.82	120.68
2	4B	35	PHE	C-N-CA	-28.15	72.82	120.68
2	4N	35	PHE	CA-C-N	-28.15	72.82	120.68
2	4N	35	PHE	C-N-CA	-28.15	72.82	120.68
2	4V	35	PHE	CA-C-N	-28.15	72.82	120.68
2	4V	35	PHE	C-N-CA	-28.15	72.82	120.68
2	5R	35	PHE	CA-C-N	-28.15	72.82	120.68
2	5R	35	PHE	C-N-CA	-28.15	72.82	120.68
2	6J	35	PHE	CA-C-N	-28.15	72.82	120.68
2	6J	35	PHE	C-N-CA	-28.15	72.82	120.68
2	6R	35	PHE	CA-C-N	-28.15	72.82	120.68
2	6R	35	PHE	C-N-CA	-28.15	72.82	120.68
2	7N	35	PHE	CA-C-N	-28.15	72.82	120.68
2	7N	35	PHE	C-N-CA	-28.15	72.82	120.68
2	1N	35	PHE	CA-C-N	-28.15	72.83	120.68
2	1N	35	PHE	C-N-CA	-28.15	72.83	120.68
2	1R	35	PHE	CA-C-N	-28.15	72.83	120.68
2	1R	35	PHE	C-N-CA	-28.15	72.83	120.68
2	1V	35	PHE	CA-C-N	-28.15	72.83	120.68
2	1V	35	PHE	C-N-CA	-28.15	72.83	120.68
2	1Z	35	PHE	CA-C-N	-28.15	72.83	120.68
2	1Z	35	PHE	C-N-CA	-28.15	72.83	120.68
2	2J	35	PHE	CA-C-N	-28.15	72.83	120.68
2	2J	35	PHE	C-N-CA	-28.15	72.83	120.68
2	2R	35	PHE	CA-C-N	-28.15	72.83	120.68
2	2R	35	PHE	C-N-CA	-28.15	72.83	120.68
2	2V	35	PHE	CA-C-N	-28.15	72.83	120.68
2	2V	35	PHE	C-N-CA	-28.15	72.83	120.68
2	2Z	35	PHE	CA-C-N	-28.15	72.83	120.68
2	2Z	35	PHE	C-N-CA	-28.15	72.83	120.68
2	3B	35	PHE	CA-C-N	-28.15	72.83	120.68
2	3B	35	PHE	C-N-CA	-28.15	72.83	120.68
2	3J	35	PHE	CA-C-N	-28.15	72.83	120.68
2	3J	35	PHE	C-N-CA	-28.15	72.83	120.68
2	33	35	PHE	CA-C-N	-28.15	72.83	120.68
2	33	35	PHE	C-N-CA	-28.15	72.83	120.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	35	PHE	CA-C-N	-28.15	72.83	120.68
2	4F	35	PHE	C-N-CA	-28.15	72.83	120.68
2	4Z	35	PHE	CA-C-N	-28.15	72.83	120.68
2	4Z	35	PHE	C-N-CA	-28.15	72.83	120.68
2	43	35	PHE	CA-C-N	-28.15	72.83	120.68
2	43	35	PHE	C-N-CA	-28.15	72.83	120.68
2	47	35	PHE	CA-C-N	-28.15	72.83	120.68
2	47	35	PHE	C-N-CA	-28.15	72.83	120.68
2	5B	35	PHE	CA-C-N	-28.15	72.83	120.68
2	5B	35	PHE	C-N-CA	-28.15	72.83	120.68
2	5V	35	PHE	CA-C-N	-28.15	72.83	120.68
2	5V	35	PHE	C-N-CA	-28.15	72.83	120.68
2	53	35	PHE	CA-C-N	-28.15	72.83	120.68
2	53	35	PHE	C-N-CA	-28.15	72.83	120.68
2	57	35	PHE	CA-C-N	-28.15	72.83	120.68
2	57	35	PHE	C-N-CA	-28.15	72.83	120.68
2	6B	35	PHE	CA-C-N	-28.15	72.83	120.68
2	6B	35	PHE	C-N-CA	-28.15	72.83	120.68
2	6N	35	PHE	CA-C-N	-28.15	72.83	120.68
2	6N	35	PHE	C-N-CA	-28.15	72.83	120.68
2	6V	35	PHE	CA-C-N	-28.15	72.83	120.68
2	6V	35	PHE	C-N-CA	-28.15	72.83	120.68
2	7F	35	PHE	CA-C-N	-28.15	72.83	120.68
2	7F	35	PHE	C-N-CA	-28.15	72.83	120.68
2	7R	35	PHE	CA-C-N	-28.15	72.83	120.68
2	7R	35	PHE	C-N-CA	-28.15	72.83	120.68
2	1F	35	PHE	CA-C-N	-28.14	72.84	120.68
2	1F	35	PHE	C-N-CA	-28.14	72.84	120.68
2	2N	35	PHE	CA-C-N	-28.14	72.84	120.68
2	2N	35	PHE	C-N-CA	-28.14	72.84	120.68
2	23	35	PHE	CA-C-N	-28.14	72.84	120.68
2	23	35	PHE	C-N-CA	-28.14	72.84	120.68
2	3N	35	PHE	CA-C-N	-28.14	72.84	120.68
2	3N	35	PHE	C-N-CA	-28.14	72.84	120.68
2	37	35	PHE	CA-C-N	-28.14	72.84	120.68
2	37	35	PHE	C-N-CA	-28.14	72.84	120.68
2	4J	35	PHE	CA-C-N	-28.14	72.84	120.68
2	4J	35	PHE	C-N-CA	-28.14	72.84	120.68
2	4R	35	PHE	CA-C-N	-28.14	72.84	120.68
2	4R	35	PHE	C-N-CA	-28.14	72.84	120.68
2	5Z	35	PHE	CA-C-N	-28.14	72.84	120.68
2	5Z	35	PHE	C-N-CA	-28.14	72.84	120.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	35	PHE	CA-C-N	-28.14	72.84	120.68
2	6F	35	PHE	C-N-CA	-28.14	72.84	120.68
2	6Z	35	PHE	CA-C-N	-28.14	72.84	120.68
2	6Z	35	PHE	C-N-CA	-28.14	72.84	120.68
2	7J	35	PHE	CA-C-N	-28.14	72.84	120.68
2	7J	35	PHE	C-N-CA	-28.14	72.84	120.68
2	7V	35	PHE	CA-C-N	-28.14	72.84	120.68
2	7V	35	PHE	C-N-CA	-28.14	72.84	120.68
1	1E	90	PHE	CA-C-O	28.13	142.72	119.66
1	2M	90	PHE	CA-C-O	28.13	142.72	119.66
1	22	90	PHE	CA-C-O	28.13	142.72	119.66
1	3M	90	PHE	CA-C-O	28.13	142.72	119.66
1	36	90	PHE	CA-C-O	28.13	142.72	119.66
1	4I	90	PHE	CA-C-O	28.13	142.72	119.66
1	4Q	90	PHE	CA-C-O	28.13	142.72	119.66
1	5Y	90	PHE	CA-C-O	28.13	142.72	119.66
1	6E	90	PHE	CA-C-O	28.13	142.72	119.66
1	6Y	90	PHE	CA-C-O	28.13	142.72	119.66
1	7I	90	PHE	CA-C-O	28.13	142.72	119.66
1	7U	90	PHE	CA-C-O	28.13	142.72	119.66
1	1Q	90	PHE	CA-C-O	28.11	142.71	119.66
1	1U	90	PHE	CA-C-O	28.11	142.71	119.66
1	1Y	90	PHE	CA-C-O	28.11	142.71	119.66
1	12	90	PHE	CA-C-O	28.11	142.71	119.66
1	16	90	PHE	CA-C-O	28.11	142.71	119.66
1	2A	90	PHE	CA-C-O	28.11	142.71	119.66
1	2Q	90	PHE	CA-C-O	28.11	142.71	119.66
1	2U	90	PHE	CA-C-O	28.11	142.71	119.66
1	2Y	90	PHE	CA-C-O	28.11	142.71	119.66
1	3Q	90	PHE	CA-C-O	28.11	142.71	119.66
1	3U	90	PHE	CA-C-O	28.11	142.71	119.66
1	3Y	90	PHE	CA-C-O	28.11	142.71	119.66
1	42	90	PHE	CA-C-O	28.11	142.71	119.66
1	46	90	PHE	CA-C-O	28.11	142.71	119.66
1	5A	90	PHE	CA-C-O	28.11	142.71	119.66
1	5E	90	PHE	CA-C-O	28.11	142.71	119.66
1	5I	90	PHE	CA-C-O	28.11	142.71	119.66
1	5M	90	PHE	CA-C-O	28.11	142.71	119.66
1	52	90	PHE	CA-C-O	28.11	142.71	119.66
1	56	90	PHE	CA-C-O	28.11	142.71	119.66
1	6A	90	PHE	CA-C-O	28.11	142.71	119.66
1	62	90	PHE	CA-C-O	28.11	142.71	119.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	90	PHE	CA-C-O	28.11	142.71	119.66
1	7A	90	PHE	CA-C-O	28.11	142.71	119.66
1	1M	90	PHE	CA-C-O	28.10	142.70	119.66
1	2I	90	PHE	CA-C-O	28.10	142.70	119.66
1	3A	90	PHE	CA-C-O	28.10	142.70	119.66
1	3I	90	PHE	CA-C-O	28.10	142.70	119.66
1	32	90	PHE	CA-C-O	28.10	142.70	119.66
1	4E	90	PHE	CA-C-O	28.10	142.70	119.66
1	4Y	90	PHE	CA-C-O	28.10	142.70	119.66
1	5U	90	PHE	CA-C-O	28.10	142.70	119.66
1	6M	90	PHE	CA-C-O	28.10	142.70	119.66
1	6U	90	PHE	CA-C-O	28.10	142.70	119.66
1	7E	90	PHE	CA-C-O	28.10	142.70	119.66
1	7Q	90	PHE	CA-C-O	28.10	142.70	119.66
2	1R	5	ASN	CA-CB-CG	-28.09	84.51	112.60
2	1V	5	ASN	CA-CB-CG	-28.09	84.51	112.60
2	1Z	5	ASN	CA-CB-CG	-28.09	84.51	112.60
2	2R	5	ASN	CA-CB-CG	-28.09	84.51	112.60
2	2V	5	ASN	CA-CB-CG	-28.09	84.51	112.60
2	2Z	5	ASN	CA-CB-CG	-28.09	84.51	112.60
2	43	5	ASN	CA-CB-CG	-28.09	84.51	112.60
2	47	5	ASN	CA-CB-CG	-28.09	84.51	112.60
2	5B	5	ASN	CA-CB-CG	-28.09	84.51	112.60
2	53	5	ASN	CA-CB-CG	-28.09	84.51	112.60
2	57	5	ASN	CA-CB-CG	-28.09	84.51	112.60
2	6B	5	ASN	CA-CB-CG	-28.09	84.51	112.60
1	1A	90	PHE	CA-C-O	28.08	142.69	119.66
1	1I	90	PHE	CA-C-O	28.08	142.69	119.66
1	2E	90	PHE	CA-C-O	28.08	142.69	119.66
1	26	90	PHE	CA-C-O	28.08	142.69	119.66
1	3E	90	PHE	CA-C-O	28.08	142.69	119.66
1	4A	90	PHE	CA-C-O	28.08	142.69	119.66
1	4M	90	PHE	CA-C-O	28.08	142.69	119.66
1	4U	90	PHE	CA-C-O	28.08	142.69	119.66
1	5Q	90	PHE	CA-C-O	28.08	142.69	119.66
1	6I	90	PHE	CA-C-O	28.08	142.69	119.66
1	6Q	90	PHE	CA-C-O	28.08	142.69	119.66
1	7M	90	PHE	CA-C-O	28.08	142.69	119.66
2	1B	5	ASN	CA-CB-CG	-28.07	84.53	112.60
2	1J	5	ASN	CA-CB-CG	-28.07	84.53	112.60
2	2F	5	ASN	CA-CB-CG	-28.07	84.53	112.60
2	27	5	ASN	CA-CB-CG	-28.07	84.53	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	5	ASN	CA-CB-CG	-28.07	84.53	112.60
2	4B	5	ASN	CA-CB-CG	-28.07	84.53	112.60
2	4N	5	ASN	CA-CB-CG	-28.07	84.53	112.60
2	4V	5	ASN	CA-CB-CG	-28.07	84.53	112.60
2	5R	5	ASN	CA-CB-CG	-28.07	84.53	112.60
2	6J	5	ASN	CA-CB-CG	-28.07	84.53	112.60
2	6R	5	ASN	CA-CB-CG	-28.07	84.53	112.60
2	7N	5	ASN	CA-CB-CG	-28.07	84.53	112.60
2	13	5	ASN	CA-CB-CG	-28.06	84.54	112.60
2	17	5	ASN	CA-CB-CG	-28.06	84.54	112.60
2	2B	5	ASN	CA-CB-CG	-28.06	84.54	112.60
2	3R	5	ASN	CA-CB-CG	-28.06	84.54	112.60
2	3V	5	ASN	CA-CB-CG	-28.06	84.54	112.60
2	3Z	5	ASN	CA-CB-CG	-28.06	84.54	112.60
2	5F	5	ASN	CA-CB-CG	-28.06	84.54	112.60
2	5J	5	ASN	CA-CB-CG	-28.06	84.54	112.60
2	5N	5	ASN	CA-CB-CG	-28.06	84.54	112.60
2	63	5	ASN	CA-CB-CG	-28.06	84.54	112.60
2	67	5	ASN	CA-CB-CG	-28.06	84.54	112.60
2	7B	5	ASN	CA-CB-CG	-28.06	84.54	112.60
2	1F	5	ASN	CA-CB-CG	-28.05	84.55	112.60
2	2N	5	ASN	CA-CB-CG	-28.05	84.55	112.60
2	23	5	ASN	CA-CB-CG	-28.05	84.55	112.60
2	3N	5	ASN	CA-CB-CG	-28.05	84.55	112.60
2	37	5	ASN	CA-CB-CG	-28.05	84.55	112.60
2	4J	5	ASN	CA-CB-CG	-28.05	84.55	112.60
2	4R	5	ASN	CA-CB-CG	-28.05	84.55	112.60
2	5Z	5	ASN	CA-CB-CG	-28.05	84.55	112.60
2	6F	5	ASN	CA-CB-CG	-28.05	84.55	112.60
2	6Z	5	ASN	CA-CB-CG	-28.05	84.55	112.60
2	7J	5	ASN	CA-CB-CG	-28.05	84.55	112.60
2	7V	5	ASN	CA-CB-CG	-28.05	84.55	112.60
2	1N	5	ASN	CA-CB-CG	-28.04	84.56	112.60
2	2J	5	ASN	CA-CB-CG	-28.04	84.56	112.60
2	3B	5	ASN	CA-CB-CG	-28.04	84.56	112.60
2	3J	5	ASN	CA-CB-CG	-28.04	84.56	112.60
2	33	5	ASN	CA-CB-CG	-28.04	84.56	112.60
2	4F	5	ASN	CA-CB-CG	-28.04	84.56	112.60
2	4Z	5	ASN	CA-CB-CG	-28.04	84.56	112.60
2	5V	5	ASN	CA-CB-CG	-28.04	84.56	112.60
2	6N	5	ASN	CA-CB-CG	-28.04	84.56	112.60
2	6V	5	ASN	CA-CB-CG	-28.04	84.56	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	5	ASN	CA-CB-CG	-28.04	84.56	112.60
2	7R	5	ASN	CA-CB-CG	-28.04	84.56	112.60
1	1Q	41	ILE	CB-CA-C	27.88	143.70	111.08
1	1U	41	ILE	CB-CA-C	27.88	143.70	111.08
1	1Y	41	ILE	CB-CA-C	27.88	143.70	111.08
1	2Q	41	ILE	CB-CA-C	27.88	143.70	111.08
1	2U	41	ILE	CB-CA-C	27.88	143.70	111.08
1	2Y	41	ILE	CB-CA-C	27.88	143.70	111.08
1	42	41	ILE	CB-CA-C	27.88	143.70	111.08
1	46	41	ILE	CB-CA-C	27.88	143.70	111.08
1	5A	41	ILE	CB-CA-C	27.88	143.70	111.08
1	52	41	ILE	CB-CA-C	27.88	143.70	111.08
1	56	41	ILE	CB-CA-C	27.88	143.70	111.08
1	6A	41	ILE	CB-CA-C	27.88	143.70	111.08
1	12	41	ILE	CB-CA-C	27.85	143.67	111.08
1	16	41	ILE	CB-CA-C	27.85	143.67	111.08
1	2A	41	ILE	CB-CA-C	27.85	143.67	111.08
1	3Q	41	ILE	CB-CA-C	27.85	143.67	111.08
1	3U	41	ILE	CB-CA-C	27.85	143.67	111.08
1	3Y	41	ILE	CB-CA-C	27.85	143.67	111.08
1	5E	41	ILE	CB-CA-C	27.85	143.67	111.08
1	5I	41	ILE	CB-CA-C	27.85	143.67	111.08
1	5M	41	ILE	CB-CA-C	27.85	143.67	111.08
1	62	41	ILE	CB-CA-C	27.85	143.67	111.08
1	66	41	ILE	CB-CA-C	27.85	143.67	111.08
1	7A	41	ILE	CB-CA-C	27.85	143.67	111.08
1	1E	41	ILE	CB-CA-C	27.84	143.65	111.08
1	2M	41	ILE	CB-CA-C	27.84	143.65	111.08
1	22	41	ILE	CB-CA-C	27.84	143.65	111.08
1	3M	41	ILE	CB-CA-C	27.84	143.65	111.08
1	36	41	ILE	CB-CA-C	27.84	143.65	111.08
1	4I	41	ILE	CB-CA-C	27.84	143.65	111.08
1	4Q	41	ILE	CB-CA-C	27.84	143.65	111.08
1	5Y	41	ILE	CB-CA-C	27.84	143.65	111.08
1	6E	41	ILE	CB-CA-C	27.84	143.65	111.08
1	6Y	41	ILE	CB-CA-C	27.84	143.65	111.08
1	7I	41	ILE	CB-CA-C	27.84	143.65	111.08
1	7U	41	ILE	CB-CA-C	27.84	143.65	111.08
1	1A	41	ILE	CB-CA-C	27.83	143.65	111.08
1	1I	41	ILE	CB-CA-C	27.83	143.65	111.08
1	2E	41	ILE	CB-CA-C	27.83	143.65	111.08
1	26	41	ILE	CB-CA-C	27.83	143.65	111.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	41	ILE	CB-CA-C	27.83	143.65	111.08
1	4A	41	ILE	CB-CA-C	27.83	143.65	111.08
1	4M	41	ILE	CB-CA-C	27.83	143.65	111.08
1	4U	41	ILE	CB-CA-C	27.83	143.65	111.08
1	5Q	41	ILE	CB-CA-C	27.83	143.65	111.08
1	6I	41	ILE	CB-CA-C	27.83	143.65	111.08
1	6Q	41	ILE	CB-CA-C	27.83	143.65	111.08
1	7M	41	ILE	CB-CA-C	27.83	143.65	111.08
1	1M	41	ILE	CB-CA-C	27.83	143.64	111.08
1	2I	41	ILE	CB-CA-C	27.83	143.64	111.08
1	3A	41	ILE	CB-CA-C	27.83	143.64	111.08
1	3I	41	ILE	CB-CA-C	27.83	143.64	111.08
1	32	41	ILE	CB-CA-C	27.83	143.64	111.08
1	4E	41	ILE	CB-CA-C	27.83	143.64	111.08
1	4Y	41	ILE	CB-CA-C	27.83	143.64	111.08
1	5U	41	ILE	CB-CA-C	27.83	143.64	111.08
1	6M	41	ILE	CB-CA-C	27.83	143.64	111.08
1	6U	41	ILE	CB-CA-C	27.83	143.64	111.08
1	7E	41	ILE	CB-CA-C	27.83	143.64	111.08
1	7Q	41	ILE	CB-CA-C	27.83	143.64	111.08
2	1R	78	HIS	CG-CD2-NE2	27.65	134.85	107.20
2	1V	78	HIS	CG-CD2-NE2	27.65	134.85	107.20
2	1Z	78	HIS	CG-CD2-NE2	27.65	134.85	107.20
2	2R	78	HIS	CG-CD2-NE2	27.65	134.85	107.20
2	2V	78	HIS	CG-CD2-NE2	27.65	134.85	107.20
2	2Z	78	HIS	CG-CD2-NE2	27.65	134.85	107.20
2	43	78	HIS	CG-CD2-NE2	27.65	134.85	107.20
2	47	78	HIS	CG-CD2-NE2	27.65	134.85	107.20
2	5B	78	HIS	CG-CD2-NE2	27.65	134.85	107.20
2	53	78	HIS	CG-CD2-NE2	27.65	134.85	107.20
2	57	78	HIS	CG-CD2-NE2	27.65	134.85	107.20
2	6B	78	HIS	CG-CD2-NE2	27.65	134.85	107.20
2	1F	78	HIS	CG-CD2-NE2	27.64	134.84	107.20
2	2N	78	HIS	CG-CD2-NE2	27.64	134.84	107.20
2	23	78	HIS	CG-CD2-NE2	27.64	134.84	107.20
2	3N	78	HIS	CG-CD2-NE2	27.64	134.84	107.20
2	37	78	HIS	CG-CD2-NE2	27.64	134.84	107.20
2	4J	78	HIS	CG-CD2-NE2	27.64	134.84	107.20
2	4R	78	HIS	CG-CD2-NE2	27.64	134.84	107.20
2	5Z	78	HIS	CG-CD2-NE2	27.64	134.84	107.20
2	6F	78	HIS	CG-CD2-NE2	27.64	134.84	107.20
2	6Z	78	HIS	CG-CD2-NE2	27.64	134.84	107.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	78	HIS	CG-CD2-NE2	27.64	134.84	107.20
2	7V	78	HIS	CG-CD2-NE2	27.64	134.84	107.20
2	1B	78	HIS	CG-CD2-NE2	27.60	134.80	107.20
2	1J	78	HIS	CG-CD2-NE2	27.60	134.80	107.20
2	2F	78	HIS	CG-CD2-NE2	27.60	134.80	107.20
2	27	78	HIS	CG-CD2-NE2	27.60	134.80	107.20
2	3F	78	HIS	CG-CD2-NE2	27.60	134.80	107.20
2	4B	78	HIS	CG-CD2-NE2	27.60	134.80	107.20
2	4N	78	HIS	CG-CD2-NE2	27.60	134.80	107.20
2	4V	78	HIS	CG-CD2-NE2	27.60	134.80	107.20
2	5R	78	HIS	CG-CD2-NE2	27.60	134.80	107.20
2	6J	78	HIS	CG-CD2-NE2	27.60	134.80	107.20
2	6R	78	HIS	CG-CD2-NE2	27.60	134.80	107.20
2	7N	78	HIS	CG-CD2-NE2	27.60	134.80	107.20
2	13	78	HIS	CG-CD2-NE2	27.59	134.79	107.20
2	17	78	HIS	CG-CD2-NE2	27.59	134.79	107.20
2	2B	78	HIS	CG-CD2-NE2	27.59	134.79	107.20
2	3R	78	HIS	CG-CD2-NE2	27.59	134.79	107.20
2	3V	78	HIS	CG-CD2-NE2	27.59	134.79	107.20
2	3Z	78	HIS	CG-CD2-NE2	27.59	134.79	107.20
2	5F	78	HIS	CG-CD2-NE2	27.59	134.79	107.20
2	5J	78	HIS	CG-CD2-NE2	27.59	134.79	107.20
2	5N	78	HIS	CG-CD2-NE2	27.59	134.79	107.20
2	63	78	HIS	CG-CD2-NE2	27.59	134.79	107.20
2	67	78	HIS	CG-CD2-NE2	27.59	134.79	107.20
2	7B	78	HIS	CG-CD2-NE2	27.59	134.79	107.20
1	1Q	48	TYR	CA-C-O	27.57	152.39	121.51
1	1U	48	TYR	CA-C-O	27.57	152.39	121.51
1	1Y	48	TYR	CA-C-O	27.57	152.39	121.51
1	2Q	48	TYR	CA-C-O	27.57	152.39	121.51
1	2U	48	TYR	CA-C-O	27.57	152.39	121.51
1	2Y	48	TYR	CA-C-O	27.57	152.39	121.51
1	42	48	TYR	CA-C-O	27.57	152.39	121.51
1	46	48	TYR	CA-C-O	27.57	152.39	121.51
1	5A	48	TYR	CA-C-O	27.57	152.39	121.51
1	52	48	TYR	CA-C-O	27.57	152.39	121.51
1	56	48	TYR	CA-C-O	27.57	152.39	121.51
1	6A	48	TYR	CA-C-O	27.57	152.39	121.51
1	1E	48	TYR	CA-C-O	27.56	152.38	121.51
1	2M	48	TYR	CA-C-O	27.56	152.38	121.51
1	22	48	TYR	CA-C-O	27.56	152.38	121.51
1	3M	48	TYR	CA-C-O	27.56	152.38	121.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	48	TYR	CA-C-O	27.56	152.38	121.51
1	4I	48	TYR	CA-C-O	27.56	152.38	121.51
1	4Q	48	TYR	CA-C-O	27.56	152.38	121.51
1	5Y	48	TYR	CA-C-O	27.56	152.38	121.51
1	6E	48	TYR	CA-C-O	27.56	152.38	121.51
1	6Y	48	TYR	CA-C-O	27.56	152.38	121.51
1	7I	48	TYR	CA-C-O	27.56	152.38	121.51
1	7U	48	TYR	CA-C-O	27.56	152.38	121.51
2	1N	78	HIS	CG-CD2-NE2	27.55	134.75	107.20
2	2J	78	HIS	CG-CD2-NE2	27.55	134.75	107.20
2	3B	78	HIS	CG-CD2-NE2	27.55	134.75	107.20
2	3J	78	HIS	CG-CD2-NE2	27.55	134.75	107.20
2	33	78	HIS	CG-CD2-NE2	27.55	134.75	107.20
2	4F	78	HIS	CG-CD2-NE2	27.55	134.75	107.20
2	4Z	78	HIS	CG-CD2-NE2	27.55	134.75	107.20
2	5V	78	HIS	CG-CD2-NE2	27.55	134.75	107.20
2	6N	78	HIS	CG-CD2-NE2	27.55	134.75	107.20
2	6V	78	HIS	CG-CD2-NE2	27.55	134.75	107.20
2	7F	78	HIS	CG-CD2-NE2	27.55	134.75	107.20
2	7R	78	HIS	CG-CD2-NE2	27.55	134.75	107.20
1	1A	48	TYR	CA-C-O	27.55	152.36	121.51
1	1I	48	TYR	CA-C-O	27.55	152.36	121.51
1	2E	48	TYR	CA-C-O	27.55	152.36	121.51
1	26	48	TYR	CA-C-O	27.55	152.36	121.51
1	3E	48	TYR	CA-C-O	27.55	152.36	121.51
1	4A	48	TYR	CA-C-O	27.55	152.36	121.51
1	4M	48	TYR	CA-C-O	27.55	152.36	121.51
1	4U	48	TYR	CA-C-O	27.55	152.36	121.51
1	5Q	48	TYR	CA-C-O	27.55	152.36	121.51
1	6I	48	TYR	CA-C-O	27.55	152.36	121.51
1	6Q	48	TYR	CA-C-O	27.55	152.36	121.51
1	7M	48	TYR	CA-C-O	27.55	152.36	121.51
1	1M	48	TYR	CA-C-O	27.54	152.36	121.51
1	2I	48	TYR	CA-C-O	27.54	152.36	121.51
1	3A	48	TYR	CA-C-O	27.54	152.36	121.51
1	3I	48	TYR	CA-C-O	27.54	152.36	121.51
1	32	48	TYR	CA-C-O	27.54	152.36	121.51
1	4E	48	TYR	CA-C-O	27.54	152.36	121.51
1	4Y	48	TYR	CA-C-O	27.54	152.36	121.51
1	5U	48	TYR	CA-C-O	27.54	152.36	121.51
1	6M	48	TYR	CA-C-O	27.54	152.36	121.51
1	6U	48	TYR	CA-C-O	27.54	152.36	121.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	48	TYR	CA-C-O	27.54	152.36	121.51
1	7Q	48	TYR	CA-C-O	27.54	152.36	121.51
1	1M	39	GLN	CG-CD-NE2	-27.51	75.14	116.40
1	12	48	TYR	CA-C-O	27.51	152.32	121.51
1	16	48	TYR	CA-C-O	27.51	152.32	121.51
1	2A	48	TYR	CA-C-O	27.51	152.32	121.51
1	2I	39	GLN	CG-CD-NE2	-27.51	75.14	116.40
1	3A	39	GLN	CG-CD-NE2	-27.51	75.14	116.40
1	3I	39	GLN	CG-CD-NE2	-27.51	75.14	116.40
1	3Q	48	TYR	CA-C-O	27.51	152.32	121.51
1	3U	48	TYR	CA-C-O	27.51	152.32	121.51
1	3Y	48	TYR	CA-C-O	27.51	152.32	121.51
1	32	39	GLN	CG-CD-NE2	-27.51	75.14	116.40
1	4E	39	GLN	CG-CD-NE2	-27.51	75.14	116.40
1	4Y	39	GLN	CG-CD-NE2	-27.51	75.14	116.40
1	5E	48	TYR	CA-C-O	27.51	152.32	121.51
1	5I	48	TYR	CA-C-O	27.51	152.32	121.51
1	5M	48	TYR	CA-C-O	27.51	152.32	121.51
1	5U	39	GLN	CG-CD-NE2	-27.51	75.14	116.40
1	6M	39	GLN	CG-CD-NE2	-27.51	75.14	116.40
1	6U	39	GLN	CG-CD-NE2	-27.51	75.14	116.40
1	62	48	TYR	CA-C-O	27.51	152.32	121.51
1	66	48	TYR	CA-C-O	27.51	152.32	121.51
1	7A	48	TYR	CA-C-O	27.51	152.32	121.51
1	7E	39	GLN	CG-CD-NE2	-27.51	75.14	116.40
1	7Q	39	GLN	CG-CD-NE2	-27.51	75.14	116.40
1	1E	39	GLN	CG-CD-NE2	-27.49	75.16	116.40
1	2M	39	GLN	CG-CD-NE2	-27.49	75.16	116.40
1	22	39	GLN	CG-CD-NE2	-27.49	75.16	116.40
1	3M	39	GLN	CG-CD-NE2	-27.49	75.16	116.40
1	36	39	GLN	CG-CD-NE2	-27.49	75.16	116.40
1	4I	39	GLN	CG-CD-NE2	-27.49	75.16	116.40
1	4Q	39	GLN	CG-CD-NE2	-27.49	75.16	116.40
1	5Y	39	GLN	CG-CD-NE2	-27.49	75.16	116.40
1	6E	39	GLN	CG-CD-NE2	-27.49	75.16	116.40
1	6Y	39	GLN	CG-CD-NE2	-27.49	75.16	116.40
1	7I	39	GLN	CG-CD-NE2	-27.49	75.16	116.40
1	7U	39	GLN	CG-CD-NE2	-27.49	75.16	116.40
1	12	39	GLN	CG-CD-NE2	-27.49	75.17	116.40
1	16	39	GLN	CG-CD-NE2	-27.49	75.17	116.40
1	2A	39	GLN	CG-CD-NE2	-27.49	75.17	116.40
1	3Q	39	GLN	CG-CD-NE2	-27.49	75.17	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	39	GLN	CG-CD-NE2	-27.49	75.17	116.40
1	3Y	39	GLN	CG-CD-NE2	-27.49	75.17	116.40
1	5E	39	GLN	CG-CD-NE2	-27.49	75.17	116.40
1	5I	39	GLN	CG-CD-NE2	-27.49	75.17	116.40
1	5M	39	GLN	CG-CD-NE2	-27.49	75.17	116.40
1	62	39	GLN	CG-CD-NE2	-27.49	75.17	116.40
1	66	39	GLN	CG-CD-NE2	-27.49	75.17	116.40
1	7A	39	GLN	CG-CD-NE2	-27.49	75.17	116.40
1	1A	39	GLN	CG-CD-NE2	-27.48	75.17	116.40
1	1I	39	GLN	CG-CD-NE2	-27.48	75.17	116.40
1	2E	39	GLN	CG-CD-NE2	-27.48	75.17	116.40
1	26	39	GLN	CG-CD-NE2	-27.48	75.17	116.40
1	3E	39	GLN	CG-CD-NE2	-27.48	75.17	116.40
1	4A	39	GLN	CG-CD-NE2	-27.48	75.17	116.40
1	4M	39	GLN	CG-CD-NE2	-27.48	75.17	116.40
1	4U	39	GLN	CG-CD-NE2	-27.48	75.17	116.40
1	5Q	39	GLN	CG-CD-NE2	-27.48	75.17	116.40
1	6I	39	GLN	CG-CD-NE2	-27.48	75.17	116.40
1	6Q	39	GLN	CG-CD-NE2	-27.48	75.17	116.40
1	7M	39	GLN	CG-CD-NE2	-27.48	75.17	116.40
1	1Q	39	GLN	CG-CD-NE2	-27.48	75.18	116.40
1	1U	39	GLN	CG-CD-NE2	-27.48	75.18	116.40
1	1Y	39	GLN	CG-CD-NE2	-27.48	75.18	116.40
1	2Q	39	GLN	CG-CD-NE2	-27.48	75.18	116.40
1	2U	39	GLN	CG-CD-NE2	-27.48	75.18	116.40
1	2Y	39	GLN	CG-CD-NE2	-27.48	75.18	116.40
1	42	39	GLN	CG-CD-NE2	-27.48	75.18	116.40
1	46	39	GLN	CG-CD-NE2	-27.48	75.18	116.40
1	5A	39	GLN	CG-CD-NE2	-27.48	75.18	116.40
1	52	39	GLN	CG-CD-NE2	-27.48	75.18	116.40
1	56	39	GLN	CG-CD-NE2	-27.48	75.18	116.40
1	6A	39	GLN	CG-CD-NE2	-27.48	75.18	116.40
2	1B	24	PRO	CB-CA-C	27.37	156.73	111.56
2	1J	24	PRO	CB-CA-C	27.37	156.73	111.56
2	1R	24	PRO	CB-CA-C	27.37	156.73	111.56
2	1V	24	PRO	CB-CA-C	27.37	156.73	111.56
2	1Z	24	PRO	CB-CA-C	27.37	156.73	111.56
2	2F	24	PRO	CB-CA-C	27.37	156.73	111.56
2	2R	24	PRO	CB-CA-C	27.37	156.73	111.56
2	2V	24	PRO	CB-CA-C	27.37	156.73	111.56
2	2Z	24	PRO	CB-CA-C	27.37	156.73	111.56
2	27	24	PRO	CB-CA-C	27.37	156.73	111.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	24	PRO	CB-CA-C	27.37	156.73	111.56
2	4B	24	PRO	CB-CA-C	27.37	156.73	111.56
2	4N	24	PRO	CB-CA-C	27.37	156.73	111.56
2	4V	24	PRO	CB-CA-C	27.37	156.73	111.56
2	43	24	PRO	CB-CA-C	27.37	156.73	111.56
2	47	24	PRO	CB-CA-C	27.37	156.73	111.56
2	5B	24	PRO	CB-CA-C	27.37	156.73	111.56
2	5R	24	PRO	CB-CA-C	27.37	156.73	111.56
2	53	24	PRO	CB-CA-C	27.37	156.73	111.56
2	57	24	PRO	CB-CA-C	27.37	156.73	111.56
2	6B	24	PRO	CB-CA-C	27.37	156.73	111.56
2	6J	24	PRO	CB-CA-C	27.37	156.73	111.56
2	6R	24	PRO	CB-CA-C	27.37	156.73	111.56
2	7N	24	PRO	CB-CA-C	27.37	156.73	111.56
2	1F	24	PRO	CB-CA-C	27.37	156.72	111.56
2	2N	24	PRO	CB-CA-C	27.37	156.72	111.56
2	23	24	PRO	CB-CA-C	27.37	156.72	111.56
2	3N	24	PRO	CB-CA-C	27.37	156.72	111.56
2	37	24	PRO	CB-CA-C	27.37	156.72	111.56
2	4J	24	PRO	CB-CA-C	27.37	156.72	111.56
2	4R	24	PRO	CB-CA-C	27.37	156.72	111.56
2	5Z	24	PRO	CB-CA-C	27.37	156.72	111.56
2	6F	24	PRO	CB-CA-C	27.37	156.72	111.56
2	6Z	24	PRO	CB-CA-C	27.37	156.72	111.56
2	7J	24	PRO	CB-CA-C	27.37	156.72	111.56
2	7V	24	PRO	CB-CA-C	27.37	156.72	111.56
2	1N	24	PRO	CB-CA-C	27.34	156.68	111.56
2	2J	24	PRO	CB-CA-C	27.34	156.68	111.56
2	3B	24	PRO	CB-CA-C	27.34	156.68	111.56
2	3J	24	PRO	CB-CA-C	27.34	156.68	111.56
2	33	24	PRO	CB-CA-C	27.34	156.68	111.56
2	4F	24	PRO	CB-CA-C	27.34	156.68	111.56
2	4Z	24	PRO	CB-CA-C	27.34	156.68	111.56
2	5V	24	PRO	CB-CA-C	27.34	156.68	111.56
2	6N	24	PRO	CB-CA-C	27.34	156.68	111.56
2	6V	24	PRO	CB-CA-C	27.34	156.68	111.56
2	7F	24	PRO	CB-CA-C	27.34	156.68	111.56
2	7R	24	PRO	CB-CA-C	27.34	156.68	111.56
2	13	24	PRO	CB-CA-C	27.33	156.65	111.56
2	17	24	PRO	CB-CA-C	27.33	156.65	111.56
2	2B	24	PRO	CB-CA-C	27.33	156.65	111.56
2	3R	24	PRO	CB-CA-C	27.33	156.65	111.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	24	PRO	CB-CA-C	27.33	156.65	111.56
2	3Z	24	PRO	CB-CA-C	27.33	156.65	111.56
2	5F	24	PRO	CB-CA-C	27.33	156.65	111.56
2	5J	24	PRO	CB-CA-C	27.33	156.65	111.56
2	5N	24	PRO	CB-CA-C	27.33	156.65	111.56
2	63	24	PRO	CB-CA-C	27.33	156.65	111.56
2	67	24	PRO	CB-CA-C	27.33	156.65	111.56
2	7B	24	PRO	CB-CA-C	27.33	156.65	111.56
2	1R	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	1V	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	1Z	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	2R	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	2V	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	2Z	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	43	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	47	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	5B	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	53	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	57	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	6B	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	1B	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	1J	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	2F	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	27	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	3F	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	4B	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	4N	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	4V	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	5R	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	6J	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	6R	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	7N	74	TYR	CG-CD1-CE1	-27.29	80.27	121.20
2	1F	74	TYR	CG-CD1-CE1	-27.28	80.29	121.20
2	2N	74	TYR	CG-CD1-CE1	-27.28	80.29	121.20
2	23	74	TYR	CG-CD1-CE1	-27.28	80.29	121.20
2	3N	74	TYR	CG-CD1-CE1	-27.28	80.29	121.20
2	37	74	TYR	CG-CD1-CE1	-27.28	80.29	121.20
2	4J	74	TYR	CG-CD1-CE1	-27.28	80.29	121.20
2	4R	74	TYR	CG-CD1-CE1	-27.28	80.29	121.20
2	5Z	74	TYR	CG-CD1-CE1	-27.28	80.29	121.20
2	6F	74	TYR	CG-CD1-CE1	-27.28	80.29	121.20
2	6Z	74	TYR	CG-CD1-CE1	-27.28	80.29	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	74	TYR	CG-CD1-CE1	-27.28	80.29	121.20
2	7V	74	TYR	CG-CD1-CE1	-27.28	80.29	121.20
2	1N	42	HIS	CG-CD2-NE2	27.26	134.46	107.20
2	2J	42	HIS	CG-CD2-NE2	27.26	134.46	107.20
2	3B	42	HIS	CG-CD2-NE2	27.26	134.46	107.20
2	3J	42	HIS	CG-CD2-NE2	27.26	134.46	107.20
2	33	42	HIS	CG-CD2-NE2	27.26	134.46	107.20
2	4F	42	HIS	CG-CD2-NE2	27.26	134.46	107.20
2	4Z	42	HIS	CG-CD2-NE2	27.26	134.46	107.20
2	5V	42	HIS	CG-CD2-NE2	27.26	134.46	107.20
2	6N	42	HIS	CG-CD2-NE2	27.26	134.46	107.20
2	6V	42	HIS	CG-CD2-NE2	27.26	134.46	107.20
2	7F	42	HIS	CG-CD2-NE2	27.26	134.46	107.20
2	7R	42	HIS	CG-CD2-NE2	27.26	134.46	107.20
2	13	74	TYR	CG-CD1-CE1	-27.26	80.31	121.20
2	17	74	TYR	CG-CD1-CE1	-27.26	80.31	121.20
2	2B	74	TYR	CG-CD1-CE1	-27.26	80.31	121.20
2	3R	74	TYR	CG-CD1-CE1	-27.26	80.31	121.20
2	3V	74	TYR	CG-CD1-CE1	-27.26	80.31	121.20
2	3Z	74	TYR	CG-CD1-CE1	-27.26	80.31	121.20
2	5F	74	TYR	CG-CD1-CE1	-27.26	80.31	121.20
2	5J	74	TYR	CG-CD1-CE1	-27.26	80.31	121.20
2	5N	74	TYR	CG-CD1-CE1	-27.26	80.31	121.20
2	63	74	TYR	CG-CD1-CE1	-27.26	80.31	121.20
2	67	74	TYR	CG-CD1-CE1	-27.26	80.31	121.20
2	7B	74	TYR	CG-CD1-CE1	-27.26	80.31	121.20
2	1N	74	TYR	CG-CD1-CE1	-27.25	80.32	121.20
2	2J	74	TYR	CG-CD1-CE1	-27.25	80.32	121.20
2	3B	74	TYR	CG-CD1-CE1	-27.25	80.32	121.20
2	3J	74	TYR	CG-CD1-CE1	-27.25	80.32	121.20
2	33	74	TYR	CG-CD1-CE1	-27.25	80.32	121.20
2	4F	74	TYR	CG-CD1-CE1	-27.25	80.32	121.20
2	4Z	74	TYR	CG-CD1-CE1	-27.25	80.32	121.20
2	5V	74	TYR	CG-CD1-CE1	-27.25	80.32	121.20
2	6N	74	TYR	CG-CD1-CE1	-27.25	80.32	121.20
2	6V	74	TYR	CG-CD1-CE1	-27.25	80.32	121.20
2	7F	74	TYR	CG-CD1-CE1	-27.25	80.32	121.20
2	7R	74	TYR	CG-CD1-CE1	-27.25	80.32	121.20
2	1F	42	HIS	CG-CD2-NE2	27.25	134.45	107.20
2	2N	42	HIS	CG-CD2-NE2	27.25	134.45	107.20
2	23	42	HIS	CG-CD2-NE2	27.25	134.45	107.20
2	3N	42	HIS	CG-CD2-NE2	27.25	134.45	107.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	42	HIS	CG-CD2-NE2	27.25	134.45	107.20
2	4J	42	HIS	CG-CD2-NE2	27.25	134.45	107.20
2	4R	42	HIS	CG-CD2-NE2	27.25	134.45	107.20
2	5Z	42	HIS	CG-CD2-NE2	27.25	134.45	107.20
2	6F	42	HIS	CG-CD2-NE2	27.25	134.45	107.20
2	6Z	42	HIS	CG-CD2-NE2	27.25	134.45	107.20
2	7J	42	HIS	CG-CD2-NE2	27.25	134.45	107.20
2	7V	42	HIS	CG-CD2-NE2	27.25	134.45	107.20
2	1R	42	HIS	CG-CD2-NE2	27.24	134.44	107.20
2	1V	42	HIS	CG-CD2-NE2	27.24	134.44	107.20
2	1Z	42	HIS	CG-CD2-NE2	27.24	134.44	107.20
2	2R	42	HIS	CG-CD2-NE2	27.24	134.44	107.20
2	2V	42	HIS	CG-CD2-NE2	27.24	134.44	107.20
2	2Z	42	HIS	CG-CD2-NE2	27.24	134.44	107.20
2	43	42	HIS	CG-CD2-NE2	27.24	134.44	107.20
2	47	42	HIS	CG-CD2-NE2	27.24	134.44	107.20
2	5B	42	HIS	CG-CD2-NE2	27.24	134.44	107.20
2	53	42	HIS	CG-CD2-NE2	27.24	134.44	107.20
2	57	42	HIS	CG-CD2-NE2	27.24	134.44	107.20
2	6B	42	HIS	CG-CD2-NE2	27.24	134.44	107.20
2	13	42	HIS	CG-CD2-NE2	27.23	134.43	107.20
2	17	42	HIS	CG-CD2-NE2	27.23	134.43	107.20
2	2B	42	HIS	CG-CD2-NE2	27.23	134.43	107.20
2	3R	42	HIS	CG-CD2-NE2	27.23	134.43	107.20
2	3V	42	HIS	CG-CD2-NE2	27.23	134.43	107.20
2	3Z	42	HIS	CG-CD2-NE2	27.23	134.43	107.20
2	5F	42	HIS	CG-CD2-NE2	27.23	134.43	107.20
2	5J	42	HIS	CG-CD2-NE2	27.23	134.43	107.20
2	5N	42	HIS	CG-CD2-NE2	27.23	134.43	107.20
2	63	42	HIS	CG-CD2-NE2	27.23	134.43	107.20
2	67	42	HIS	CG-CD2-NE2	27.23	134.43	107.20
2	7B	42	HIS	CG-CD2-NE2	27.23	134.43	107.20
2	1B	42	HIS	CG-CD2-NE2	27.20	134.40	107.20
2	1J	42	HIS	CG-CD2-NE2	27.20	134.40	107.20
2	2F	42	HIS	CG-CD2-NE2	27.20	134.40	107.20
2	27	42	HIS	CG-CD2-NE2	27.20	134.40	107.20
2	3F	42	HIS	CG-CD2-NE2	27.20	134.40	107.20
2	4B	42	HIS	CG-CD2-NE2	27.20	134.40	107.20
2	4N	42	HIS	CG-CD2-NE2	27.20	134.40	107.20
2	4V	42	HIS	CG-CD2-NE2	27.20	134.40	107.20
2	5R	42	HIS	CG-CD2-NE2	27.20	134.40	107.20
2	6J	42	HIS	CG-CD2-NE2	27.20	134.40	107.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	42	HIS	CG-CD2-NE2	27.20	134.40	107.20
2	7N	42	HIS	CG-CD2-NE2	27.20	134.40	107.20
1	1E	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	2M	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	22	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	3M	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	36	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	4I	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	4Q	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	5Y	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	6E	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	6Y	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	7I	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	7U	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	12	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	16	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	2A	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	3Q	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	3U	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	3Y	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	5E	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	5I	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	5M	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	62	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	66	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	7A	22	HIS	CA-CB-CG	-26.83	86.97	113.80
1	1A	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	1I	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	1Q	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	1U	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	1Y	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	2E	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	2Q	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	2U	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	2Y	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	26	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	3E	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	4A	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	4M	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	4U	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	42	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	46	22	HIS	CA-CB-CG	-26.82	86.97	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	5Q	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	52	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	56	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	6A	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	6I	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	6Q	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	7M	22	HIS	CA-CB-CG	-26.82	86.97	113.80
1	1M	22	HIS	CA-CB-CG	-26.82	86.98	113.80
1	2I	22	HIS	CA-CB-CG	-26.82	86.98	113.80
1	3A	22	HIS	CA-CB-CG	-26.82	86.98	113.80
1	3I	22	HIS	CA-CB-CG	-26.82	86.98	113.80
1	32	22	HIS	CA-CB-CG	-26.82	86.98	113.80
1	4E	22	HIS	CA-CB-CG	-26.82	86.98	113.80
1	4Y	22	HIS	CA-CB-CG	-26.82	86.98	113.80
1	5U	22	HIS	CA-CB-CG	-26.82	86.98	113.80
1	6M	22	HIS	CA-CB-CG	-26.82	86.98	113.80
1	6U	22	HIS	CA-CB-CG	-26.82	86.98	113.80
1	7E	22	HIS	CA-CB-CG	-26.82	86.98	113.80
1	7Q	22	HIS	CA-CB-CG	-26.82	86.98	113.80
1	1E	52	PHE	CD1-CG-CD2	26.68	158.61	118.60
1	2M	52	PHE	CD1-CG-CD2	26.68	158.61	118.60
1	22	52	PHE	CD1-CG-CD2	26.68	158.61	118.60
1	3M	52	PHE	CD1-CG-CD2	26.68	158.61	118.60
1	36	52	PHE	CD1-CG-CD2	26.68	158.61	118.60
1	4I	52	PHE	CD1-CG-CD2	26.68	158.61	118.60
1	4Q	52	PHE	CD1-CG-CD2	26.68	158.61	118.60
1	5Y	52	PHE	CD1-CG-CD2	26.68	158.61	118.60
1	6E	52	PHE	CD1-CG-CD2	26.68	158.61	118.60
1	6Y	52	PHE	CD1-CG-CD2	26.68	158.61	118.60
1	7I	52	PHE	CD1-CG-CD2	26.68	158.61	118.60
1	7U	52	PHE	CD1-CG-CD2	26.68	158.61	118.60
1	1A	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	1I	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	12	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	16	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	2A	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	2E	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	26	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	3E	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	3Q	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	3U	52	PHE	CD1-CG-CD2	26.66	158.59	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Y	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	4A	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	4M	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	4U	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	5E	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	5I	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	5M	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	5Q	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	6I	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	6Q	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	62	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	66	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	7A	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	7M	52	PHE	CD1-CG-CD2	26.66	158.59	118.60
1	1Q	52	PHE	CD1-CG-CD2	26.64	158.56	118.60
1	1U	52	PHE	CD1-CG-CD2	26.64	158.56	118.60
1	1Y	52	PHE	CD1-CG-CD2	26.64	158.56	118.60
1	2Q	52	PHE	CD1-CG-CD2	26.64	158.56	118.60
1	2U	52	PHE	CD1-CG-CD2	26.64	158.56	118.60
1	2Y	52	PHE	CD1-CG-CD2	26.64	158.56	118.60
1	42	52	PHE	CD1-CG-CD2	26.64	158.56	118.60
1	46	52	PHE	CD1-CG-CD2	26.64	158.56	118.60
1	5A	52	PHE	CD1-CG-CD2	26.64	158.56	118.60
1	52	52	PHE	CD1-CG-CD2	26.64	158.56	118.60
1	56	52	PHE	CD1-CG-CD2	26.64	158.56	118.60
1	6A	52	PHE	CD1-CG-CD2	26.64	158.56	118.60
1	1M	52	PHE	CD1-CG-CD2	26.62	158.53	118.60
1	2I	52	PHE	CD1-CG-CD2	26.62	158.53	118.60
1	3A	52	PHE	CD1-CG-CD2	26.62	158.53	118.60
1	3I	52	PHE	CD1-CG-CD2	26.62	158.53	118.60
1	32	52	PHE	CD1-CG-CD2	26.62	158.53	118.60
1	4E	52	PHE	CD1-CG-CD2	26.62	158.53	118.60
1	4Y	52	PHE	CD1-CG-CD2	26.62	158.53	118.60
1	5U	52	PHE	CD1-CG-CD2	26.62	158.53	118.60
1	6M	52	PHE	CD1-CG-CD2	26.62	158.53	118.60
1	6U	52	PHE	CD1-CG-CD2	26.62	158.53	118.60
1	7E	52	PHE	CD1-CG-CD2	26.62	158.53	118.60
1	7Q	52	PHE	CD1-CG-CD2	26.62	158.53	118.60
2	1F	35	PHE	CG-CD1-CE1	-26.60	75.48	120.70
2	2N	35	PHE	CG-CD1-CE1	-26.60	75.48	120.70
2	23	35	PHE	CG-CD1-CE1	-26.60	75.48	120.70
2	3N	35	PHE	CG-CD1-CE1	-26.60	75.48	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	35	PHE	CG-CD1-CE1	-26.60	75.48	120.70
2	4J	35	PHE	CG-CD1-CE1	-26.60	75.48	120.70
2	4R	35	PHE	CG-CD1-CE1	-26.60	75.48	120.70
2	5Z	35	PHE	CG-CD1-CE1	-26.60	75.48	120.70
2	6F	35	PHE	CG-CD1-CE1	-26.60	75.48	120.70
2	6Z	35	PHE	CG-CD1-CE1	-26.60	75.48	120.70
2	7J	35	PHE	CG-CD1-CE1	-26.60	75.48	120.70
2	7V	35	PHE	CG-CD1-CE1	-26.60	75.48	120.70
2	1R	35	PHE	CG-CD1-CE1	-26.60	75.49	120.70
2	1V	35	PHE	CG-CD1-CE1	-26.60	75.49	120.70
2	1Z	35	PHE	CG-CD1-CE1	-26.60	75.49	120.70
2	2R	35	PHE	CG-CD1-CE1	-26.60	75.49	120.70
2	2V	35	PHE	CG-CD1-CE1	-26.60	75.49	120.70
2	2Z	35	PHE	CG-CD1-CE1	-26.60	75.49	120.70
2	43	35	PHE	CG-CD1-CE1	-26.60	75.49	120.70
2	47	35	PHE	CG-CD1-CE1	-26.60	75.49	120.70
2	5B	35	PHE	CG-CD1-CE1	-26.60	75.49	120.70
2	53	35	PHE	CG-CD1-CE1	-26.60	75.49	120.70
2	57	35	PHE	CG-CD1-CE1	-26.60	75.49	120.70
2	6B	35	PHE	CG-CD1-CE1	-26.60	75.49	120.70
2	1N	35	PHE	CG-CD1-CE1	-26.59	75.49	120.70
2	2J	35	PHE	CG-CD1-CE1	-26.59	75.49	120.70
2	3B	35	PHE	CG-CD1-CE1	-26.59	75.49	120.70
2	3J	35	PHE	CG-CD1-CE1	-26.59	75.49	120.70
2	33	35	PHE	CG-CD1-CE1	-26.59	75.49	120.70
2	4F	35	PHE	CG-CD1-CE1	-26.59	75.49	120.70
2	4Z	35	PHE	CG-CD1-CE1	-26.59	75.49	120.70
2	5V	35	PHE	CG-CD1-CE1	-26.59	75.49	120.70
2	6N	35	PHE	CG-CD1-CE1	-26.59	75.49	120.70
2	6V	35	PHE	CG-CD1-CE1	-26.59	75.49	120.70
2	7F	35	PHE	CG-CD1-CE1	-26.59	75.49	120.70
2	7R	35	PHE	CG-CD1-CE1	-26.59	75.49	120.70
2	13	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	17	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	2B	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	3R	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	3V	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	3Z	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	5F	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	5J	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	5N	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	63	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	7B	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	1B	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	1J	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	2F	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	27	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	3F	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	4B	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	4N	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	4V	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	5R	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	6J	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	6R	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	7N	35	PHE	CG-CD1-CE1	-26.59	75.50	120.70
2	13	76	ILE	N-CA-C	26.49	149.96	109.17
2	17	76	ILE	N-CA-C	26.49	149.96	109.17
2	2B	76	ILE	N-CA-C	26.49	149.96	109.17
2	3R	76	ILE	N-CA-C	26.49	149.96	109.17
2	3V	76	ILE	N-CA-C	26.49	149.96	109.17
2	3Z	76	ILE	N-CA-C	26.49	149.96	109.17
2	5F	76	ILE	N-CA-C	26.49	149.96	109.17
2	5J	76	ILE	N-CA-C	26.49	149.96	109.17
2	5N	76	ILE	N-CA-C	26.49	149.96	109.17
2	63	76	ILE	N-CA-C	26.49	149.96	109.17
2	67	76	ILE	N-CA-C	26.49	149.96	109.17
2	7B	76	ILE	N-CA-C	26.49	149.96	109.17
2	1R	76	ILE	N-CA-C	26.48	149.96	109.17
2	1V	76	ILE	N-CA-C	26.48	149.96	109.17
2	1Z	76	ILE	N-CA-C	26.48	149.96	109.17
2	2R	76	ILE	N-CA-C	26.48	149.96	109.17
2	2V	76	ILE	N-CA-C	26.48	149.96	109.17
2	2Z	76	ILE	N-CA-C	26.48	149.96	109.17
2	43	76	ILE	N-CA-C	26.48	149.96	109.17
2	47	76	ILE	N-CA-C	26.48	149.96	109.17
2	5B	76	ILE	N-CA-C	26.48	149.96	109.17
2	53	76	ILE	N-CA-C	26.48	149.96	109.17
2	57	76	ILE	N-CA-C	26.48	149.96	109.17
2	6B	76	ILE	N-CA-C	26.48	149.96	109.17
2	1B	76	ILE	N-CA-C	26.47	149.94	109.17
2	1J	76	ILE	N-CA-C	26.47	149.94	109.17
2	2F	76	ILE	N-CA-C	26.47	149.94	109.17
2	27	76	ILE	N-CA-C	26.47	149.94	109.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	76	ILE	N-CA-C	26.47	149.94	109.17
2	4B	76	ILE	N-CA-C	26.47	149.94	109.17
2	4N	76	ILE	N-CA-C	26.47	149.94	109.17
2	4V	76	ILE	N-CA-C	26.47	149.94	109.17
2	5R	76	ILE	N-CA-C	26.47	149.94	109.17
2	6J	76	ILE	N-CA-C	26.47	149.94	109.17
2	6R	76	ILE	N-CA-C	26.47	149.94	109.17
2	7N	76	ILE	N-CA-C	26.47	149.94	109.17
2	1N	76	ILE	N-CA-C	26.47	149.93	109.17
2	2J	76	ILE	N-CA-C	26.47	149.93	109.17
2	3B	76	ILE	N-CA-C	26.47	149.93	109.17
2	3J	76	ILE	N-CA-C	26.47	149.93	109.17
2	33	76	ILE	N-CA-C	26.47	149.93	109.17
2	4F	76	ILE	N-CA-C	26.47	149.93	109.17
2	4Z	76	ILE	N-CA-C	26.47	149.93	109.17
2	5V	76	ILE	N-CA-C	26.47	149.93	109.17
2	6N	76	ILE	N-CA-C	26.47	149.93	109.17
2	6V	76	ILE	N-CA-C	26.47	149.93	109.17
2	7F	76	ILE	N-CA-C	26.47	149.93	109.17
2	7R	76	ILE	N-CA-C	26.47	149.93	109.17
2	1F	76	ILE	N-CA-C	26.46	149.91	109.17
2	2N	76	ILE	N-CA-C	26.46	149.91	109.17
2	23	76	ILE	N-CA-C	26.46	149.91	109.17
2	3N	76	ILE	N-CA-C	26.46	149.91	109.17
2	37	76	ILE	N-CA-C	26.46	149.91	109.17
2	4J	76	ILE	N-CA-C	26.46	149.91	109.17
2	4R	76	ILE	N-CA-C	26.46	149.91	109.17
2	5Z	76	ILE	N-CA-C	26.46	149.91	109.17
2	6F	76	ILE	N-CA-C	26.46	149.91	109.17
2	6Z	76	ILE	N-CA-C	26.46	149.91	109.17
2	7J	76	ILE	N-CA-C	26.46	149.91	109.17
2	7V	76	ILE	N-CA-C	26.46	149.91	109.17
2	1N	14	THR	O-C-N	-26.44	87.43	122.59
2	2J	14	THR	O-C-N	-26.44	87.43	122.59
2	3B	14	THR	O-C-N	-26.44	87.43	122.59
2	3J	14	THR	O-C-N	-26.44	87.43	122.59
2	33	14	THR	O-C-N	-26.44	87.43	122.59
2	4F	14	THR	O-C-N	-26.44	87.43	122.59
2	4Z	14	THR	O-C-N	-26.44	87.43	122.59
2	5V	14	THR	O-C-N	-26.44	87.43	122.59
2	6N	14	THR	O-C-N	-26.44	87.43	122.59
2	6V	14	THR	O-C-N	-26.44	87.43	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	14	THR	O-C-N	-26.44	87.43	122.59
2	7R	14	THR	O-C-N	-26.44	87.43	122.59
2	1F	14	THR	O-C-N	-26.44	87.43	122.59
2	2N	14	THR	O-C-N	-26.44	87.43	122.59
2	23	14	THR	O-C-N	-26.44	87.43	122.59
2	3N	14	THR	O-C-N	-26.44	87.43	122.59
2	37	14	THR	O-C-N	-26.44	87.43	122.59
2	4J	14	THR	O-C-N	-26.44	87.43	122.59
2	4R	14	THR	O-C-N	-26.44	87.43	122.59
2	5Z	14	THR	O-C-N	-26.44	87.43	122.59
2	6F	14	THR	O-C-N	-26.44	87.43	122.59
2	6Z	14	THR	O-C-N	-26.44	87.43	122.59
2	7J	14	THR	O-C-N	-26.44	87.43	122.59
2	7V	14	THR	O-C-N	-26.44	87.43	122.59
2	1R	14	THR	O-C-N	-26.43	87.44	122.59
2	1V	14	THR	O-C-N	-26.43	87.44	122.59
2	1Z	14	THR	O-C-N	-26.43	87.44	122.59
2	2R	14	THR	O-C-N	-26.43	87.44	122.59
2	2V	14	THR	O-C-N	-26.43	87.44	122.59
2	2Z	14	THR	O-C-N	-26.43	87.44	122.59
2	43	14	THR	O-C-N	-26.43	87.44	122.59
2	47	14	THR	O-C-N	-26.43	87.44	122.59
2	5B	14	THR	O-C-N	-26.43	87.44	122.59
2	53	14	THR	O-C-N	-26.43	87.44	122.59
2	57	14	THR	O-C-N	-26.43	87.44	122.59
2	6B	14	THR	O-C-N	-26.43	87.44	122.59
2	1B	14	THR	O-C-N	-26.43	87.44	122.59
2	1J	14	THR	O-C-N	-26.43	87.44	122.59
2	2F	14	THR	O-C-N	-26.43	87.44	122.59
2	27	14	THR	O-C-N	-26.43	87.44	122.59
2	3F	14	THR	O-C-N	-26.43	87.44	122.59
2	4B	14	THR	O-C-N	-26.43	87.44	122.59
2	4N	14	THR	O-C-N	-26.43	87.44	122.59
2	4V	14	THR	O-C-N	-26.43	87.44	122.59
2	5R	14	THR	O-C-N	-26.43	87.44	122.59
2	6J	14	THR	O-C-N	-26.43	87.44	122.59
2	6R	14	THR	O-C-N	-26.43	87.44	122.59
2	7N	14	THR	O-C-N	-26.43	87.44	122.59
2	13	31	PHE	CB-CG-CD1	26.41	165.59	120.70
2	17	31	PHE	CB-CG-CD1	26.41	165.59	120.70
2	2B	31	PHE	CB-CG-CD1	26.41	165.59	120.70
2	3R	31	PHE	CB-CG-CD1	26.41	165.59	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	31	PHE	CB-CG-CD1	26.41	165.59	120.70
2	3Z	31	PHE	CB-CG-CD1	26.41	165.59	120.70
2	5F	31	PHE	CB-CG-CD1	26.41	165.59	120.70
2	5J	31	PHE	CB-CG-CD1	26.41	165.59	120.70
2	5N	31	PHE	CB-CG-CD1	26.41	165.59	120.70
2	63	31	PHE	CB-CG-CD1	26.41	165.59	120.70
2	67	31	PHE	CB-CG-CD1	26.41	165.59	120.70
2	7B	31	PHE	CB-CG-CD1	26.41	165.59	120.70
2	13	14	THR	O-C-N	-26.40	87.47	122.59
2	17	14	THR	O-C-N	-26.40	87.47	122.59
2	2B	14	THR	O-C-N	-26.40	87.47	122.59
2	3R	14	THR	O-C-N	-26.40	87.47	122.59
2	3V	14	THR	O-C-N	-26.40	87.47	122.59
2	3Z	14	THR	O-C-N	-26.40	87.47	122.59
2	5F	14	THR	O-C-N	-26.40	87.47	122.59
2	5J	14	THR	O-C-N	-26.40	87.47	122.59
2	5N	14	THR	O-C-N	-26.40	87.47	122.59
2	63	14	THR	O-C-N	-26.40	87.47	122.59
2	67	14	THR	O-C-N	-26.40	87.47	122.59
2	7B	14	THR	O-C-N	-26.40	87.47	122.59
2	1B	31	PHE	CB-CG-CD1	26.40	165.58	120.70
2	1J	31	PHE	CB-CG-CD1	26.40	165.58	120.70
2	2F	31	PHE	CB-CG-CD1	26.40	165.58	120.70
2	27	31	PHE	CB-CG-CD1	26.40	165.58	120.70
2	3F	31	PHE	CB-CG-CD1	26.40	165.58	120.70
2	4B	31	PHE	CB-CG-CD1	26.40	165.58	120.70
2	4N	31	PHE	CB-CG-CD1	26.40	165.58	120.70
2	4V	31	PHE	CB-CG-CD1	26.40	165.58	120.70
2	5R	31	PHE	CB-CG-CD1	26.40	165.58	120.70
2	6J	31	PHE	CB-CG-CD1	26.40	165.58	120.70
2	6R	31	PHE	CB-CG-CD1	26.40	165.58	120.70
2	7N	31	PHE	CB-CG-CD1	26.40	165.58	120.70
2	1F	31	PHE	CB-CG-CD1	26.39	165.57	120.70
2	2N	31	PHE	CB-CG-CD1	26.39	165.57	120.70
2	23	31	PHE	CB-CG-CD1	26.39	165.57	120.70
2	3N	31	PHE	CB-CG-CD1	26.39	165.57	120.70
2	37	31	PHE	CB-CG-CD1	26.39	165.57	120.70
2	4J	31	PHE	CB-CG-CD1	26.39	165.57	120.70
2	4R	31	PHE	CB-CG-CD1	26.39	165.57	120.70
2	5Z	31	PHE	CB-CG-CD1	26.39	165.57	120.70
2	6F	31	PHE	CB-CG-CD1	26.39	165.57	120.70
2	6Z	31	PHE	CB-CG-CD1	26.39	165.57	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	31	PHE	CB-CG-CD1	26.39	165.57	120.70
2	7V	31	PHE	CB-CG-CD1	26.39	165.57	120.70
2	1N	31	PHE	CB-CG-CD1	26.39	165.56	120.70
2	2J	31	PHE	CB-CG-CD1	26.39	165.56	120.70
2	3B	31	PHE	CB-CG-CD1	26.39	165.56	120.70
2	3J	31	PHE	CB-CG-CD1	26.39	165.56	120.70
2	33	31	PHE	CB-CG-CD1	26.39	165.56	120.70
2	4F	31	PHE	CB-CG-CD1	26.39	165.56	120.70
2	4Z	31	PHE	CB-CG-CD1	26.39	165.56	120.70
2	5V	31	PHE	CB-CG-CD1	26.39	165.56	120.70
2	6N	31	PHE	CB-CG-CD1	26.39	165.56	120.70
2	6V	31	PHE	CB-CG-CD1	26.39	165.56	120.70
2	7F	31	PHE	CB-CG-CD1	26.39	165.56	120.70
2	7R	31	PHE	CB-CG-CD1	26.39	165.56	120.70
2	1R	31	PHE	CB-CG-CD1	26.38	165.54	120.70
2	1V	31	PHE	CB-CG-CD1	26.38	165.54	120.70
2	1Z	31	PHE	CB-CG-CD1	26.38	165.54	120.70
2	2R	31	PHE	CB-CG-CD1	26.38	165.54	120.70
2	2V	31	PHE	CB-CG-CD1	26.38	165.54	120.70
2	2Z	31	PHE	CB-CG-CD1	26.38	165.54	120.70
2	43	31	PHE	CB-CG-CD1	26.38	165.54	120.70
2	47	31	PHE	CB-CG-CD1	26.38	165.54	120.70
2	5B	31	PHE	CB-CG-CD1	26.38	165.54	120.70
2	53	31	PHE	CB-CG-CD1	26.38	165.54	120.70
2	57	31	PHE	CB-CG-CD1	26.38	165.54	120.70
2	6B	31	PHE	CB-CG-CD1	26.38	165.54	120.70
2	1F	108	HIS	ND1-CE1-NE2	-26.35	82.05	108.40
2	2N	108	HIS	ND1-CE1-NE2	-26.35	82.05	108.40
2	23	108	HIS	ND1-CE1-NE2	-26.35	82.05	108.40
2	3N	108	HIS	ND1-CE1-NE2	-26.35	82.05	108.40
2	37	108	HIS	ND1-CE1-NE2	-26.35	82.05	108.40
2	4J	108	HIS	ND1-CE1-NE2	-26.35	82.05	108.40
2	4R	108	HIS	ND1-CE1-NE2	-26.35	82.05	108.40
2	5Z	108	HIS	ND1-CE1-NE2	-26.35	82.05	108.40
2	6F	108	HIS	ND1-CE1-NE2	-26.35	82.05	108.40
2	6Z	108	HIS	ND1-CE1-NE2	-26.35	82.05	108.40
2	7J	108	HIS	ND1-CE1-NE2	-26.35	82.05	108.40
2	7V	108	HIS	ND1-CE1-NE2	-26.35	82.05	108.40
2	1B	108	HIS	ND1-CE1-NE2	-26.34	82.06	108.40
2	1J	108	HIS	ND1-CE1-NE2	-26.34	82.06	108.40
2	2F	108	HIS	ND1-CE1-NE2	-26.34	82.06	108.40
2	27	108	HIS	ND1-CE1-NE2	-26.34	82.06	108.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	108	HIS	ND1-CE1-NE2	-26.34	82.06	108.40
2	4B	108	HIS	ND1-CE1-NE2	-26.34	82.06	108.40
2	4N	108	HIS	ND1-CE1-NE2	-26.34	82.06	108.40
2	4V	108	HIS	ND1-CE1-NE2	-26.34	82.06	108.40
2	5R	108	HIS	ND1-CE1-NE2	-26.34	82.06	108.40
2	6J	108	HIS	ND1-CE1-NE2	-26.34	82.06	108.40
2	6R	108	HIS	ND1-CE1-NE2	-26.34	82.06	108.40
2	7N	108	HIS	ND1-CE1-NE2	-26.34	82.06	108.40
2	13	108	HIS	ND1-CE1-NE2	-26.33	82.07	108.40
2	17	108	HIS	ND1-CE1-NE2	-26.33	82.07	108.40
2	2B	108	HIS	ND1-CE1-NE2	-26.33	82.07	108.40
2	3R	108	HIS	ND1-CE1-NE2	-26.33	82.07	108.40
2	3V	108	HIS	ND1-CE1-NE2	-26.33	82.07	108.40
2	3Z	108	HIS	ND1-CE1-NE2	-26.33	82.07	108.40
2	5F	108	HIS	ND1-CE1-NE2	-26.33	82.07	108.40
2	5J	108	HIS	ND1-CE1-NE2	-26.33	82.07	108.40
2	5N	108	HIS	ND1-CE1-NE2	-26.33	82.07	108.40
2	63	108	HIS	ND1-CE1-NE2	-26.33	82.07	108.40
2	67	108	HIS	ND1-CE1-NE2	-26.33	82.07	108.40
2	7B	108	HIS	ND1-CE1-NE2	-26.33	82.07	108.40
2	1N	108	HIS	ND1-CE1-NE2	-26.32	82.08	108.40
2	2J	108	HIS	ND1-CE1-NE2	-26.32	82.08	108.40
2	3B	108	HIS	ND1-CE1-NE2	-26.32	82.08	108.40
2	3J	108	HIS	ND1-CE1-NE2	-26.32	82.08	108.40
2	33	108	HIS	ND1-CE1-NE2	-26.32	82.08	108.40
2	4F	108	HIS	ND1-CE1-NE2	-26.32	82.08	108.40
2	4Z	108	HIS	ND1-CE1-NE2	-26.32	82.08	108.40
2	5V	108	HIS	ND1-CE1-NE2	-26.32	82.08	108.40
2	6N	108	HIS	ND1-CE1-NE2	-26.32	82.08	108.40
2	6V	108	HIS	ND1-CE1-NE2	-26.32	82.08	108.40
2	7F	108	HIS	ND1-CE1-NE2	-26.32	82.08	108.40
2	7R	108	HIS	ND1-CE1-NE2	-26.32	82.08	108.40
2	1R	108	HIS	ND1-CE1-NE2	-26.30	82.10	108.40
2	1V	108	HIS	ND1-CE1-NE2	-26.30	82.10	108.40
2	1Z	108	HIS	ND1-CE1-NE2	-26.30	82.10	108.40
2	2R	108	HIS	ND1-CE1-NE2	-26.30	82.10	108.40
2	2V	108	HIS	ND1-CE1-NE2	-26.30	82.10	108.40
2	2Z	108	HIS	ND1-CE1-NE2	-26.30	82.10	108.40
2	43	108	HIS	ND1-CE1-NE2	-26.30	82.10	108.40
2	47	108	HIS	ND1-CE1-NE2	-26.30	82.10	108.40
2	5B	108	HIS	ND1-CE1-NE2	-26.30	82.10	108.40
2	53	108	HIS	ND1-CE1-NE2	-26.30	82.10	108.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	108	HIS	ND1-CE1-NE2	-26.30	82.10	108.40
2	6B	108	HIS	ND1-CE1-NE2	-26.30	82.10	108.40
2	1N	27	PRO	N-CA-CB	26.14	130.69	103.25
2	2J	27	PRO	N-CA-CB	26.14	130.69	103.25
2	3B	27	PRO	N-CA-CB	26.14	130.69	103.25
2	3J	27	PRO	N-CA-CB	26.14	130.69	103.25
2	33	27	PRO	N-CA-CB	26.14	130.69	103.25
2	4F	27	PRO	N-CA-CB	26.14	130.69	103.25
2	4Z	27	PRO	N-CA-CB	26.14	130.69	103.25
2	5V	27	PRO	N-CA-CB	26.14	130.69	103.25
2	6N	27	PRO	N-CA-CB	26.14	130.69	103.25
2	6V	27	PRO	N-CA-CB	26.14	130.69	103.25
2	7F	27	PRO	N-CA-CB	26.14	130.69	103.25
2	7R	27	PRO	N-CA-CB	26.14	130.69	103.25
1	12	85	LEU	O-C-N	26.13	158.80	122.74
1	16	85	LEU	O-C-N	26.13	158.80	122.74
1	2A	85	LEU	O-C-N	26.13	158.80	122.74
1	3Q	85	LEU	O-C-N	26.13	158.80	122.74
1	3U	85	LEU	O-C-N	26.13	158.80	122.74
1	3Y	85	LEU	O-C-N	26.13	158.80	122.74
1	5E	85	LEU	O-C-N	26.13	158.80	122.74
1	5I	85	LEU	O-C-N	26.13	158.80	122.74
1	5M	85	LEU	O-C-N	26.13	158.80	122.74
1	62	85	LEU	O-C-N	26.13	158.80	122.74
1	66	85	LEU	O-C-N	26.13	158.80	122.74
1	7A	85	LEU	O-C-N	26.13	158.80	122.74
2	1B	27	PRO	N-CA-CB	26.12	130.68	103.25
2	1J	27	PRO	N-CA-CB	26.12	130.68	103.25
2	2F	27	PRO	N-CA-CB	26.12	130.68	103.25
2	27	27	PRO	N-CA-CB	26.12	130.68	103.25
2	3F	27	PRO	N-CA-CB	26.12	130.68	103.25
2	4B	27	PRO	N-CA-CB	26.12	130.68	103.25
2	4N	27	PRO	N-CA-CB	26.12	130.68	103.25
2	4V	27	PRO	N-CA-CB	26.12	130.68	103.25
2	5R	27	PRO	N-CA-CB	26.12	130.68	103.25
2	6J	27	PRO	N-CA-CB	26.12	130.68	103.25
2	6R	27	PRO	N-CA-CB	26.12	130.68	103.25
2	7N	27	PRO	N-CA-CB	26.12	130.68	103.25
1	1Q	85	LEU	O-C-N	26.12	158.79	122.74
1	1U	85	LEU	O-C-N	26.12	158.79	122.74
1	1Y	85	LEU	O-C-N	26.12	158.79	122.74
1	2Q	85	LEU	O-C-N	26.12	158.79	122.74

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	85	LEU	O-C-N	26.12	158.79	122.74
1	2Y	85	LEU	O-C-N	26.12	158.79	122.74
1	42	85	LEU	O-C-N	26.12	158.79	122.74
1	46	85	LEU	O-C-N	26.12	158.79	122.74
1	5A	85	LEU	O-C-N	26.12	158.79	122.74
1	52	85	LEU	O-C-N	26.12	158.79	122.74
1	56	85	LEU	O-C-N	26.12	158.79	122.74
1	6A	85	LEU	O-C-N	26.12	158.79	122.74
2	13	27	PRO	N-CA-CB	26.12	130.67	103.25
2	17	27	PRO	N-CA-CB	26.12	130.67	103.25
2	2B	27	PRO	N-CA-CB	26.12	130.67	103.25
2	3R	27	PRO	N-CA-CB	26.12	130.67	103.25
2	3V	27	PRO	N-CA-CB	26.12	130.67	103.25
2	3Z	27	PRO	N-CA-CB	26.12	130.67	103.25
2	5F	27	PRO	N-CA-CB	26.12	130.67	103.25
2	5J	27	PRO	N-CA-CB	26.12	130.67	103.25
2	5N	27	PRO	N-CA-CB	26.12	130.67	103.25
2	63	27	PRO	N-CA-CB	26.12	130.67	103.25
2	67	27	PRO	N-CA-CB	26.12	130.67	103.25
2	7B	27	PRO	N-CA-CB	26.12	130.67	103.25
1	1A	85	LEU	O-C-N	26.11	158.78	122.74
1	1I	85	LEU	O-C-N	26.11	158.78	122.74
1	2E	85	LEU	O-C-N	26.11	158.78	122.74
1	26	85	LEU	O-C-N	26.11	158.78	122.74
1	3E	85	LEU	O-C-N	26.11	158.78	122.74
1	4A	85	LEU	O-C-N	26.11	158.78	122.74
1	4M	85	LEU	O-C-N	26.11	158.78	122.74
1	4U	85	LEU	O-C-N	26.11	158.78	122.74
1	5Q	85	LEU	O-C-N	26.11	158.78	122.74
1	6I	85	LEU	O-C-N	26.11	158.78	122.74
1	6Q	85	LEU	O-C-N	26.11	158.78	122.74
1	7M	85	LEU	O-C-N	26.11	158.78	122.74
2	1F	27	PRO	N-CA-CB	26.11	130.66	103.25
2	2N	27	PRO	N-CA-CB	26.11	130.66	103.25
2	23	27	PRO	N-CA-CB	26.11	130.66	103.25
2	3N	27	PRO	N-CA-CB	26.11	130.66	103.25
2	37	27	PRO	N-CA-CB	26.11	130.66	103.25
2	4J	27	PRO	N-CA-CB	26.11	130.66	103.25
2	4R	27	PRO	N-CA-CB	26.11	130.66	103.25
2	5Z	27	PRO	N-CA-CB	26.11	130.66	103.25
2	6F	27	PRO	N-CA-CB	26.11	130.66	103.25
2	6Z	27	PRO	N-CA-CB	26.11	130.66	103.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	27	PRO	N-CA-CB	26.11	130.66	103.25
2	7V	27	PRO	N-CA-CB	26.11	130.66	103.25
1	1M	85	LEU	O-C-N	26.11	158.77	122.74
1	2I	85	LEU	O-C-N	26.11	158.77	122.74
1	3A	85	LEU	O-C-N	26.11	158.77	122.74
1	3I	85	LEU	O-C-N	26.11	158.77	122.74
1	32	85	LEU	O-C-N	26.11	158.77	122.74
1	4E	85	LEU	O-C-N	26.11	158.77	122.74
1	4Y	85	LEU	O-C-N	26.11	158.77	122.74
1	5U	85	LEU	O-C-N	26.11	158.77	122.74
1	6M	85	LEU	O-C-N	26.11	158.77	122.74
1	6U	85	LEU	O-C-N	26.11	158.77	122.74
1	7E	85	LEU	O-C-N	26.11	158.77	122.74
1	7Q	85	LEU	O-C-N	26.11	158.77	122.74
2	1R	27	PRO	N-CA-CB	26.11	130.66	103.25
2	1V	27	PRO	N-CA-CB	26.11	130.66	103.25
2	1Z	27	PRO	N-CA-CB	26.11	130.66	103.25
2	2R	27	PRO	N-CA-CB	26.11	130.66	103.25
2	2V	27	PRO	N-CA-CB	26.11	130.66	103.25
2	2Z	27	PRO	N-CA-CB	26.11	130.66	103.25
2	43	27	PRO	N-CA-CB	26.11	130.66	103.25
2	47	27	PRO	N-CA-CB	26.11	130.66	103.25
2	5B	27	PRO	N-CA-CB	26.11	130.66	103.25
2	53	27	PRO	N-CA-CB	26.11	130.66	103.25
2	57	27	PRO	N-CA-CB	26.11	130.66	103.25
2	6B	27	PRO	N-CA-CB	26.11	130.66	103.25
1	1E	85	LEU	O-C-N	26.10	158.76	122.74
1	2M	85	LEU	O-C-N	26.10	158.76	122.74
1	22	85	LEU	O-C-N	26.10	158.76	122.74
1	3M	85	LEU	O-C-N	26.10	158.76	122.74
1	36	85	LEU	O-C-N	26.10	158.76	122.74
1	4I	85	LEU	O-C-N	26.10	158.76	122.74
1	4Q	85	LEU	O-C-N	26.10	158.76	122.74
1	5Y	85	LEU	O-C-N	26.10	158.76	122.74
1	6E	85	LEU	O-C-N	26.10	158.76	122.74
1	6Y	85	LEU	O-C-N	26.10	158.76	122.74
1	7I	85	LEU	O-C-N	26.10	158.76	122.74
1	7U	85	LEU	O-C-N	26.10	158.76	122.74
2	1F	3	PRO	CA-C-O	-26.06	89.93	121.98
2	2N	3	PRO	CA-C-O	-26.06	89.93	121.98
2	23	3	PRO	CA-C-O	-26.06	89.93	121.98
2	3N	3	PRO	CA-C-O	-26.06	89.93	121.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	3	PRO	CA-C-O	-26.06	89.93	121.98
2	4J	3	PRO	CA-C-O	-26.06	89.93	121.98
2	4R	3	PRO	CA-C-O	-26.06	89.93	121.98
2	5Z	3	PRO	CA-C-O	-26.06	89.93	121.98
2	6F	3	PRO	CA-C-O	-26.06	89.93	121.98
2	6Z	3	PRO	CA-C-O	-26.06	89.93	121.98
2	7J	3	PRO	CA-C-O	-26.06	89.93	121.98
2	7V	3	PRO	CA-C-O	-26.06	89.93	121.98
2	1R	3	PRO	CA-C-O	-26.04	89.95	121.98
2	1V	3	PRO	CA-C-O	-26.04	89.95	121.98
2	1Z	3	PRO	CA-C-O	-26.04	89.95	121.98
2	2R	3	PRO	CA-C-O	-26.04	89.95	121.98
2	2V	3	PRO	CA-C-O	-26.04	89.95	121.98
2	2Z	3	PRO	CA-C-O	-26.04	89.95	121.98
2	43	3	PRO	CA-C-O	-26.04	89.95	121.98
2	47	3	PRO	CA-C-O	-26.04	89.95	121.98
2	5B	3	PRO	CA-C-O	-26.04	89.95	121.98
2	53	3	PRO	CA-C-O	-26.04	89.95	121.98
2	57	3	PRO	CA-C-O	-26.04	89.95	121.98
2	6B	3	PRO	CA-C-O	-26.04	89.95	121.98
2	13	3	PRO	CA-C-O	-26.03	89.96	121.98
2	17	3	PRO	CA-C-O	-26.03	89.96	121.98
2	2B	3	PRO	CA-C-O	-26.03	89.96	121.98
2	3R	3	PRO	CA-C-O	-26.03	89.96	121.98
2	3V	3	PRO	CA-C-O	-26.03	89.96	121.98
2	3Z	3	PRO	CA-C-O	-26.03	89.96	121.98
2	5F	3	PRO	CA-C-O	-26.03	89.96	121.98
2	5J	3	PRO	CA-C-O	-26.03	89.96	121.98
2	5N	3	PRO	CA-C-O	-26.03	89.96	121.98
2	63	3	PRO	CA-C-O	-26.03	89.96	121.98
2	67	3	PRO	CA-C-O	-26.03	89.96	121.98
2	7B	3	PRO	CA-C-O	-26.03	89.96	121.98
2	1N	3	PRO	CA-C-O	-26.03	89.96	121.98
2	2J	3	PRO	CA-C-O	-26.03	89.96	121.98
2	3B	3	PRO	CA-C-O	-26.03	89.96	121.98
2	3J	3	PRO	CA-C-O	-26.03	89.96	121.98
2	33	3	PRO	CA-C-O	-26.03	89.96	121.98
2	4F	3	PRO	CA-C-O	-26.03	89.96	121.98
2	4Z	3	PRO	CA-C-O	-26.03	89.96	121.98
2	5V	3	PRO	CA-C-O	-26.03	89.96	121.98
2	6N	3	PRO	CA-C-O	-26.03	89.96	121.98
2	6V	3	PRO	CA-C-O	-26.03	89.96	121.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	3	PRO	CA-C-O	-26.03	89.96	121.98
2	7R	3	PRO	CA-C-O	-26.03	89.96	121.98
2	1B	3	PRO	CA-C-O	-26.02	89.97	121.98
2	1J	3	PRO	CA-C-O	-26.02	89.97	121.98
2	2F	3	PRO	CA-C-O	-26.02	89.97	121.98
2	27	3	PRO	CA-C-O	-26.02	89.97	121.98
2	3F	3	PRO	CA-C-O	-26.02	89.97	121.98
2	4B	3	PRO	CA-C-O	-26.02	89.97	121.98
2	4N	3	PRO	CA-C-O	-26.02	89.97	121.98
2	4V	3	PRO	CA-C-O	-26.02	89.97	121.98
2	5R	3	PRO	CA-C-O	-26.02	89.97	121.98
2	6J	3	PRO	CA-C-O	-26.02	89.97	121.98
2	6R	3	PRO	CA-C-O	-26.02	89.97	121.98
2	7N	3	PRO	CA-C-O	-26.02	89.97	121.98
2	13	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	17	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	2B	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	3R	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	3V	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	3Z	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	5F	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	5J	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	5N	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	63	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	67	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	7B	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	1N	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	2J	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	3B	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	3J	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	33	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	4F	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	4Z	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	5V	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	6N	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	6V	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	7F	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	7R	42	HIS	CB-CG-CD2	25.91	164.88	131.20
2	1R	42	HIS	CB-CG-CD2	25.90	164.88	131.20
2	1V	42	HIS	CB-CG-CD2	25.90	164.88	131.20
2	1Z	42	HIS	CB-CG-CD2	25.90	164.88	131.20
2	2R	42	HIS	CB-CG-CD2	25.90	164.88	131.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	42	HIS	CB-CG-CD2	25.90	164.88	131.20
2	2Z	42	HIS	CB-CG-CD2	25.90	164.88	131.20
2	43	42	HIS	CB-CG-CD2	25.90	164.88	131.20
2	47	42	HIS	CB-CG-CD2	25.90	164.88	131.20
2	5B	42	HIS	CB-CG-CD2	25.90	164.88	131.20
2	53	42	HIS	CB-CG-CD2	25.90	164.88	131.20
2	57	42	HIS	CB-CG-CD2	25.90	164.88	131.20
2	6B	42	HIS	CB-CG-CD2	25.90	164.88	131.20
2	1F	42	HIS	CB-CG-CD2	25.90	164.87	131.20
2	2N	42	HIS	CB-CG-CD2	25.90	164.87	131.20
2	23	42	HIS	CB-CG-CD2	25.90	164.87	131.20
2	3N	42	HIS	CB-CG-CD2	25.90	164.87	131.20
2	37	42	HIS	CB-CG-CD2	25.90	164.87	131.20
2	4J	42	HIS	CB-CG-CD2	25.90	164.87	131.20
2	4R	42	HIS	CB-CG-CD2	25.90	164.87	131.20
2	5Z	42	HIS	CB-CG-CD2	25.90	164.87	131.20
2	6F	42	HIS	CB-CG-CD2	25.90	164.87	131.20
2	6Z	42	HIS	CB-CG-CD2	25.90	164.87	131.20
2	7J	42	HIS	CB-CG-CD2	25.90	164.87	131.20
2	7V	42	HIS	CB-CG-CD2	25.90	164.87	131.20
1	1Q	89	PHE	CD1-CG-CD2	-25.90	79.76	118.60
1	1U	89	PHE	CD1-CG-CD2	-25.90	79.76	118.60
1	1Y	89	PHE	CD1-CG-CD2	-25.90	79.76	118.60
1	2Q	89	PHE	CD1-CG-CD2	-25.90	79.76	118.60
1	2U	89	PHE	CD1-CG-CD2	-25.90	79.76	118.60
1	2Y	89	PHE	CD1-CG-CD2	-25.90	79.76	118.60
1	42	89	PHE	CD1-CG-CD2	-25.90	79.76	118.60
1	46	89	PHE	CD1-CG-CD2	-25.90	79.76	118.60
1	5A	89	PHE	CD1-CG-CD2	-25.90	79.76	118.60
1	52	89	PHE	CD1-CG-CD2	-25.90	79.76	118.60
1	56	89	PHE	CD1-CG-CD2	-25.90	79.76	118.60
1	6A	89	PHE	CD1-CG-CD2	-25.90	79.76	118.60
1	12	89	PHE	CD1-CG-CD2	-25.89	79.76	118.60
1	16	89	PHE	CD1-CG-CD2	-25.89	79.76	118.60
1	2A	89	PHE	CD1-CG-CD2	-25.89	79.76	118.60
1	3Q	89	PHE	CD1-CG-CD2	-25.89	79.76	118.60
1	3U	89	PHE	CD1-CG-CD2	-25.89	79.76	118.60
1	3Y	89	PHE	CD1-CG-CD2	-25.89	79.76	118.60
1	5E	89	PHE	CD1-CG-CD2	-25.89	79.76	118.60
1	5I	89	PHE	CD1-CG-CD2	-25.89	79.76	118.60
1	5M	89	PHE	CD1-CG-CD2	-25.89	79.76	118.60
1	62	89	PHE	CD1-CG-CD2	-25.89	79.76	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	89	PHE	CD1-CG-CD2	-25.89	79.76	118.60
1	7A	89	PHE	CD1-CG-CD2	-25.89	79.76	118.60
1	1E	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	2M	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	22	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	3M	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	36	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	4I	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	4Q	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	5Y	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	6E	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	6Y	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	7I	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	7U	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	1M	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	2I	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	3A	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	3I	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	32	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	4E	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	4Y	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	5U	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	6M	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	6U	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	7E	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	7Q	89	PHE	CD1-CG-CD2	-25.88	79.78	118.60
1	1A	89	PHE	CD1-CG-CD2	-25.87	79.79	118.60
1	1I	89	PHE	CD1-CG-CD2	-25.87	79.79	118.60
1	2E	89	PHE	CD1-CG-CD2	-25.87	79.79	118.60
1	26	89	PHE	CD1-CG-CD2	-25.87	79.79	118.60
1	3E	89	PHE	CD1-CG-CD2	-25.87	79.79	118.60
1	4A	89	PHE	CD1-CG-CD2	-25.87	79.79	118.60
1	4M	89	PHE	CD1-CG-CD2	-25.87	79.79	118.60
1	4U	89	PHE	CD1-CG-CD2	-25.87	79.79	118.60
1	5Q	89	PHE	CD1-CG-CD2	-25.87	79.79	118.60
1	6I	89	PHE	CD1-CG-CD2	-25.87	79.79	118.60
1	6Q	89	PHE	CD1-CG-CD2	-25.87	79.79	118.60
1	7M	89	PHE	CD1-CG-CD2	-25.87	79.79	118.60
2	1B	42	HIS	CB-CG-CD2	25.86	164.81	131.20
2	1J	42	HIS	CB-CG-CD2	25.86	164.81	131.20
2	2F	42	HIS	CB-CG-CD2	25.86	164.81	131.20
2	27	42	HIS	CB-CG-CD2	25.86	164.81	131.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	42	HIS	CB-CG-CD2	25.86	164.81	131.20
2	4B	42	HIS	CB-CG-CD2	25.86	164.81	131.20
2	4N	42	HIS	CB-CG-CD2	25.86	164.81	131.20
2	4V	42	HIS	CB-CG-CD2	25.86	164.81	131.20
2	5R	42	HIS	CB-CG-CD2	25.86	164.81	131.20
2	6J	42	HIS	CB-CG-CD2	25.86	164.81	131.20
2	6R	42	HIS	CB-CG-CD2	25.86	164.81	131.20
2	7N	42	HIS	CB-CG-CD2	25.86	164.81	131.20
1	1M	152	SER	CA-C-O	-25.61	93.50	120.90
1	2I	152	SER	CA-C-O	-25.61	93.50	120.90
1	3A	152	SER	CA-C-O	-25.61	93.50	120.90
1	3I	152	SER	CA-C-O	-25.61	93.50	120.90
1	32	152	SER	CA-C-O	-25.61	93.50	120.90
1	4E	152	SER	CA-C-O	-25.61	93.50	120.90
1	4Y	152	SER	CA-C-O	-25.61	93.50	120.90
1	5U	152	SER	CA-C-O	-25.61	93.50	120.90
1	6M	152	SER	CA-C-O	-25.61	93.50	120.90
1	6U	152	SER	CA-C-O	-25.61	93.50	120.90
1	7E	152	SER	CA-C-O	-25.61	93.50	120.90
1	7Q	152	SER	CA-C-O	-25.61	93.50	120.90
1	1A	152	SER	CA-C-O	-25.58	93.53	120.90
1	1I	152	SER	CA-C-O	-25.58	93.53	120.90
1	2E	152	SER	CA-C-O	-25.58	93.53	120.90
1	26	152	SER	CA-C-O	-25.58	93.53	120.90
1	3E	152	SER	CA-C-O	-25.58	93.53	120.90
1	4A	152	SER	CA-C-O	-25.58	93.53	120.90
1	4M	152	SER	CA-C-O	-25.58	93.53	120.90
1	4U	152	SER	CA-C-O	-25.58	93.53	120.90
1	5Q	152	SER	CA-C-O	-25.58	93.53	120.90
1	6I	152	SER	CA-C-O	-25.58	93.53	120.90
1	6Q	152	SER	CA-C-O	-25.58	93.53	120.90
1	7M	152	SER	CA-C-O	-25.58	93.53	120.90
1	1E	152	SER	CA-C-O	-25.58	93.53	120.90
1	2M	152	SER	CA-C-O	-25.58	93.53	120.90
1	22	152	SER	CA-C-O	-25.58	93.53	120.90
1	3M	152	SER	CA-C-O	-25.58	93.53	120.90
1	36	152	SER	CA-C-O	-25.58	93.53	120.90
1	4I	152	SER	CA-C-O	-25.58	93.53	120.90
1	4Q	152	SER	CA-C-O	-25.58	93.53	120.90
1	5Y	152	SER	CA-C-O	-25.58	93.53	120.90
1	6E	152	SER	CA-C-O	-25.58	93.53	120.90
1	6Y	152	SER	CA-C-O	-25.58	93.53	120.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	152	SER	CA-C-O	-25.58	93.53	120.90
1	7U	152	SER	CA-C-O	-25.58	93.53	120.90
1	1Q	152	SER	CA-C-O	-25.57	93.54	120.90
1	1U	152	SER	CA-C-O	-25.57	93.54	120.90
1	1Y	152	SER	CA-C-O	-25.57	93.54	120.90
1	2Q	152	SER	CA-C-O	-25.57	93.54	120.90
1	2U	152	SER	CA-C-O	-25.57	93.54	120.90
1	2Y	152	SER	CA-C-O	-25.57	93.54	120.90
1	42	152	SER	CA-C-O	-25.57	93.54	120.90
1	46	152	SER	CA-C-O	-25.57	93.54	120.90
1	5A	152	SER	CA-C-O	-25.57	93.54	120.90
1	52	152	SER	CA-C-O	-25.57	93.54	120.90
1	56	152	SER	CA-C-O	-25.57	93.54	120.90
1	6A	152	SER	CA-C-O	-25.57	93.54	120.90
1	12	152	SER	CA-C-O	-25.54	93.57	120.90
1	16	152	SER	CA-C-O	-25.54	93.57	120.90
1	2A	152	SER	CA-C-O	-25.54	93.57	120.90
1	3Q	152	SER	CA-C-O	-25.54	93.57	120.90
1	3U	152	SER	CA-C-O	-25.54	93.57	120.90
1	3Y	152	SER	CA-C-O	-25.54	93.57	120.90
1	5E	152	SER	CA-C-O	-25.54	93.57	120.90
1	5I	152	SER	CA-C-O	-25.54	93.57	120.90
1	5M	152	SER	CA-C-O	-25.54	93.57	120.90
1	62	152	SER	CA-C-O	-25.54	93.57	120.90
1	66	152	SER	CA-C-O	-25.54	93.57	120.90
1	7A	152	SER	CA-C-O	-25.54	93.57	120.90
1	12	172	PHE	CA-CB-CG	25.54	139.34	113.80
1	16	172	PHE	CA-CB-CG	25.54	139.34	113.80
1	2A	172	PHE	CA-CB-CG	25.54	139.34	113.80
1	3Q	172	PHE	CA-CB-CG	25.54	139.34	113.80
1	3U	172	PHE	CA-CB-CG	25.54	139.34	113.80
1	3Y	172	PHE	CA-CB-CG	25.54	139.34	113.80
1	5E	172	PHE	CA-CB-CG	25.54	139.34	113.80
1	5I	172	PHE	CA-CB-CG	25.54	139.34	113.80
1	5M	172	PHE	CA-CB-CG	25.54	139.34	113.80
1	62	172	PHE	CA-CB-CG	25.54	139.34	113.80
1	66	172	PHE	CA-CB-CG	25.54	139.34	113.80
1	7A	172	PHE	CA-CB-CG	25.54	139.34	113.80
1	1E	172	PHE	CA-CB-CG	25.53	139.33	113.80
1	2M	172	PHE	CA-CB-CG	25.53	139.33	113.80
1	22	172	PHE	CA-CB-CG	25.53	139.33	113.80
1	3M	172	PHE	CA-CB-CG	25.53	139.33	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	172	PHE	CA-CB-CG	25.53	139.33	113.80
1	4I	172	PHE	CA-CB-CG	25.53	139.33	113.80
1	4Q	172	PHE	CA-CB-CG	25.53	139.33	113.80
1	5Y	172	PHE	CA-CB-CG	25.53	139.33	113.80
1	6E	172	PHE	CA-CB-CG	25.53	139.33	113.80
1	6Y	172	PHE	CA-CB-CG	25.53	139.33	113.80
1	7I	172	PHE	CA-CB-CG	25.53	139.33	113.80
1	7U	172	PHE	CA-CB-CG	25.53	139.33	113.80
1	1Q	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	1U	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	1Y	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	2Q	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	2U	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	2Y	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	42	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	46	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	5A	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	52	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	56	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	6A	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	1A	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	1I	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	2E	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	26	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	3E	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	4A	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	4M	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	4U	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	5Q	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	6I	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	6Q	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	7M	172	PHE	CA-CB-CG	25.52	139.32	113.80
1	1M	172	PHE	CA-CB-CG	25.51	139.31	113.80
1	2I	172	PHE	CA-CB-CG	25.51	139.31	113.80
1	3A	172	PHE	CA-CB-CG	25.51	139.31	113.80
1	3I	172	PHE	CA-CB-CG	25.51	139.31	113.80
1	32	172	PHE	CA-CB-CG	25.51	139.31	113.80
1	4E	172	PHE	CA-CB-CG	25.51	139.31	113.80
1	4Y	172	PHE	CA-CB-CG	25.51	139.31	113.80
1	5U	172	PHE	CA-CB-CG	25.51	139.31	113.80
1	6M	172	PHE	CA-CB-CG	25.51	139.31	113.80
1	6U	172	PHE	CA-CB-CG	25.51	139.31	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	172	PHE	CA-CB-CG	25.51	139.31	113.80
1	7Q	172	PHE	CA-CB-CG	25.51	139.31	113.80
2	1B	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
1	1E	15	SER	CA-C-O	25.42	156.05	121.73
2	1F	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	1J	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	13	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	17	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	2B	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	2F	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
1	2M	15	SER	CA-C-O	25.42	156.05	121.73
2	2N	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
1	22	15	SER	CA-C-O	25.42	156.05	121.73
2	23	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	27	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	3F	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
1	3M	15	SER	CA-C-O	25.42	156.05	121.73
2	3N	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	3R	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	3V	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	3Z	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
1	36	15	SER	CA-C-O	25.42	156.05	121.73
2	37	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	4B	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
1	4I	15	SER	CA-C-O	25.42	156.05	121.73
2	4J	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	4N	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
1	4Q	15	SER	CA-C-O	25.42	156.05	121.73
2	4R	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	4V	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	5F	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	5J	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	5N	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	5R	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
1	5Y	15	SER	CA-C-O	25.42	156.05	121.73
2	5Z	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
1	6E	15	SER	CA-C-O	25.42	156.05	121.73
2	6F	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	6J	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	6R	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
1	6Y	15	SER	CA-C-O	25.42	156.05	121.73
2	6Z	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	63	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	67	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	7B	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
1	7I	15	SER	CA-C-O	25.42	156.05	121.73
2	7J	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	7N	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
1	7U	15	SER	CA-C-O	25.42	156.05	121.73
2	7V	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	1R	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	1V	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	1Z	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	2R	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	2V	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	2Z	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	43	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	47	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	5B	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	53	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	57	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	6B	227	TYR	CG-CD1-CE1	-25.42	83.07	121.20
2	1N	227	TYR	CG-CD1-CE1	-25.41	83.08	121.20
2	2J	227	TYR	CG-CD1-CE1	-25.41	83.08	121.20
2	3B	227	TYR	CG-CD1-CE1	-25.41	83.08	121.20
2	3J	227	TYR	CG-CD1-CE1	-25.41	83.08	121.20
2	33	227	TYR	CG-CD1-CE1	-25.41	83.08	121.20
2	4F	227	TYR	CG-CD1-CE1	-25.41	83.08	121.20
2	4Z	227	TYR	CG-CD1-CE1	-25.41	83.08	121.20
2	5V	227	TYR	CG-CD1-CE1	-25.41	83.08	121.20
2	6N	227	TYR	CG-CD1-CE1	-25.41	83.08	121.20
2	6V	227	TYR	CG-CD1-CE1	-25.41	83.08	121.20
2	7F	227	TYR	CG-CD1-CE1	-25.41	83.08	121.20
2	7R	227	TYR	CG-CD1-CE1	-25.41	83.08	121.20
2	1B	67	THR	CA-C-O	-25.41	94.49	120.66
2	1J	67	THR	CA-C-O	-25.41	94.49	120.66
2	2F	67	THR	CA-C-O	-25.41	94.49	120.66
2	27	67	THR	CA-C-O	-25.41	94.49	120.66
2	3F	67	THR	CA-C-O	-25.41	94.49	120.66
2	4B	67	THR	CA-C-O	-25.41	94.49	120.66
2	4N	67	THR	CA-C-O	-25.41	94.49	120.66
2	4V	67	THR	CA-C-O	-25.41	94.49	120.66
2	5R	67	THR	CA-C-O	-25.41	94.49	120.66
2	6J	67	THR	CA-C-O	-25.41	94.49	120.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	67	THR	CA-C-O	-25.41	94.49	120.66
2	7N	67	THR	CA-C-O	-25.41	94.49	120.66
1	1A	15	SER	CA-C-O	25.41	156.03	121.73
2	1F	67	THR	CA-C-O	-25.41	94.49	120.66
1	1I	15	SER	CA-C-O	25.41	156.03	121.73
1	2E	15	SER	CA-C-O	25.41	156.03	121.73
2	2N	67	THR	CA-C-O	-25.41	94.49	120.66
2	23	67	THR	CA-C-O	-25.41	94.49	120.66
1	26	15	SER	CA-C-O	25.41	156.03	121.73
1	3E	15	SER	CA-C-O	25.41	156.03	121.73
2	3N	67	THR	CA-C-O	-25.41	94.49	120.66
2	37	67	THR	CA-C-O	-25.41	94.49	120.66
1	4A	15	SER	CA-C-O	25.41	156.03	121.73
2	4J	67	THR	CA-C-O	-25.41	94.49	120.66
1	4M	15	SER	CA-C-O	25.41	156.03	121.73
2	4R	67	THR	CA-C-O	-25.41	94.49	120.66
1	4U	15	SER	CA-C-O	25.41	156.03	121.73
1	5Q	15	SER	CA-C-O	25.41	156.03	121.73
2	5Z	67	THR	CA-C-O	-25.41	94.49	120.66
2	6F	67	THR	CA-C-O	-25.41	94.49	120.66
1	6I	15	SER	CA-C-O	25.41	156.03	121.73
1	6Q	15	SER	CA-C-O	25.41	156.03	121.73
2	6Z	67	THR	CA-C-O	-25.41	94.49	120.66
2	7J	67	THR	CA-C-O	-25.41	94.49	120.66
1	7M	15	SER	CA-C-O	25.41	156.03	121.73
2	7V	67	THR	CA-C-O	-25.41	94.49	120.66
1	1Q	15	SER	CA-C-O	25.39	156.01	121.73
1	1U	15	SER	CA-C-O	25.39	156.01	121.73
1	1Y	15	SER	CA-C-O	25.39	156.01	121.73
1	2Q	15	SER	CA-C-O	25.39	156.01	121.73
1	2U	15	SER	CA-C-O	25.39	156.01	121.73
1	2Y	15	SER	CA-C-O	25.39	156.01	121.73
1	42	15	SER	CA-C-O	25.39	156.01	121.73
1	46	15	SER	CA-C-O	25.39	156.01	121.73
1	5A	15	SER	CA-C-O	25.39	156.01	121.73
1	52	15	SER	CA-C-O	25.39	156.01	121.73
1	56	15	SER	CA-C-O	25.39	156.01	121.73
1	6A	15	SER	CA-C-O	25.39	156.01	121.73
1	12	15	SER	CA-C-O	25.39	156.01	121.73
1	16	15	SER	CA-C-O	25.39	156.01	121.73
1	2A	15	SER	CA-C-O	25.39	156.01	121.73
1	3Q	15	SER	CA-C-O	25.39	156.01	121.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	15	SER	CA-C-O	25.39	156.01	121.73
1	3Y	15	SER	CA-C-O	25.39	156.01	121.73
1	5E	15	SER	CA-C-O	25.39	156.01	121.73
1	5I	15	SER	CA-C-O	25.39	156.01	121.73
1	5M	15	SER	CA-C-O	25.39	156.01	121.73
1	62	15	SER	CA-C-O	25.39	156.01	121.73
1	66	15	SER	CA-C-O	25.39	156.01	121.73
1	7A	15	SER	CA-C-O	25.39	156.01	121.73
2	1N	67	THR	CA-C-O	-25.38	94.52	120.66
2	2J	67	THR	CA-C-O	-25.38	94.52	120.66
2	3B	67	THR	CA-C-O	-25.38	94.52	120.66
2	3J	67	THR	CA-C-O	-25.38	94.52	120.66
2	33	67	THR	CA-C-O	-25.38	94.52	120.66
2	4F	67	THR	CA-C-O	-25.38	94.52	120.66
2	4Z	67	THR	CA-C-O	-25.38	94.52	120.66
2	5V	67	THR	CA-C-O	-25.38	94.52	120.66
2	6N	67	THR	CA-C-O	-25.38	94.52	120.66
2	6V	67	THR	CA-C-O	-25.38	94.52	120.66
2	7F	67	THR	CA-C-O	-25.38	94.52	120.66
2	7R	67	THR	CA-C-O	-25.38	94.52	120.66
1	1M	15	SER	CA-C-O	25.38	155.99	121.73
2	13	67	THR	CA-C-O	-25.38	94.52	120.66
2	17	67	THR	CA-C-O	-25.38	94.52	120.66
2	2B	67	THR	CA-C-O	-25.38	94.52	120.66
1	2I	15	SER	CA-C-O	25.38	155.99	121.73
1	3A	15	SER	CA-C-O	25.38	155.99	121.73
1	3I	15	SER	CA-C-O	25.38	155.99	121.73
2	3R	67	THR	CA-C-O	-25.38	94.52	120.66
2	3V	67	THR	CA-C-O	-25.38	94.52	120.66
2	3Z	67	THR	CA-C-O	-25.38	94.52	120.66
1	32	15	SER	CA-C-O	25.38	155.99	121.73
1	4E	15	SER	CA-C-O	25.38	155.99	121.73
1	4Y	15	SER	CA-C-O	25.38	155.99	121.73
2	5F	67	THR	CA-C-O	-25.38	94.52	120.66
2	5J	67	THR	CA-C-O	-25.38	94.52	120.66
2	5N	67	THR	CA-C-O	-25.38	94.52	120.66
1	5U	15	SER	CA-C-O	25.38	155.99	121.73
1	6M	15	SER	CA-C-O	25.38	155.99	121.73
1	6U	15	SER	CA-C-O	25.38	155.99	121.73
2	63	67	THR	CA-C-O	-25.38	94.52	120.66
2	67	67	THR	CA-C-O	-25.38	94.52	120.66
2	7B	67	THR	CA-C-O	-25.38	94.52	120.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	15	SER	CA-C-O	25.38	155.99	121.73
1	7Q	15	SER	CA-C-O	25.38	155.99	121.73
2	1R	67	THR	CA-C-O	-25.37	94.53	120.66
2	1V	67	THR	CA-C-O	-25.37	94.53	120.66
2	1Z	67	THR	CA-C-O	-25.37	94.53	120.66
2	2R	67	THR	CA-C-O	-25.37	94.53	120.66
2	2V	67	THR	CA-C-O	-25.37	94.53	120.66
2	2Z	67	THR	CA-C-O	-25.37	94.53	120.66
2	43	67	THR	CA-C-O	-25.37	94.53	120.66
2	47	67	THR	CA-C-O	-25.37	94.53	120.66
2	5B	67	THR	CA-C-O	-25.37	94.53	120.66
2	53	67	THR	CA-C-O	-25.37	94.53	120.66
2	57	67	THR	CA-C-O	-25.37	94.53	120.66
2	6B	67	THR	CA-C-O	-25.37	94.53	120.66
2	13	46	TYR	CB-CG-CD2	-25.32	82.82	120.80
2	17	46	TYR	CB-CG-CD2	-25.32	82.82	120.80
2	2B	46	TYR	CB-CG-CD2	-25.32	82.82	120.80
2	3R	46	TYR	CB-CG-CD2	-25.32	82.82	120.80
2	3V	46	TYR	CB-CG-CD2	-25.32	82.82	120.80
2	3Z	46	TYR	CB-CG-CD2	-25.32	82.82	120.80
2	5F	46	TYR	CB-CG-CD2	-25.32	82.82	120.80
2	5J	46	TYR	CB-CG-CD2	-25.32	82.82	120.80
2	5N	46	TYR	CB-CG-CD2	-25.32	82.82	120.80
2	63	46	TYR	CB-CG-CD2	-25.32	82.82	120.80
2	67	46	TYR	CB-CG-CD2	-25.32	82.82	120.80
2	7B	46	TYR	CB-CG-CD2	-25.32	82.82	120.80
2	1B	46	TYR	CB-CG-CD2	-25.30	82.86	120.80
2	1J	46	TYR	CB-CG-CD2	-25.30	82.86	120.80
2	2F	46	TYR	CB-CG-CD2	-25.30	82.86	120.80
2	27	46	TYR	CB-CG-CD2	-25.30	82.86	120.80
2	3F	46	TYR	CB-CG-CD2	-25.30	82.86	120.80
2	4B	46	TYR	CB-CG-CD2	-25.30	82.86	120.80
2	4N	46	TYR	CB-CG-CD2	-25.30	82.86	120.80
2	4V	46	TYR	CB-CG-CD2	-25.30	82.86	120.80
2	5R	46	TYR	CB-CG-CD2	-25.30	82.86	120.80
2	6J	46	TYR	CB-CG-CD2	-25.30	82.86	120.80
2	6R	46	TYR	CB-CG-CD2	-25.30	82.86	120.80
2	7N	46	TYR	CB-CG-CD2	-25.30	82.86	120.80
2	1R	46	TYR	CB-CG-CD2	-25.29	82.87	120.80
2	1V	46	TYR	CB-CG-CD2	-25.29	82.87	120.80
2	1Z	46	TYR	CB-CG-CD2	-25.29	82.87	120.80
2	2R	46	TYR	CB-CG-CD2	-25.29	82.87	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	46	TYR	CB-CG-CD2	-25.29	82.87	120.80
2	2Z	46	TYR	CB-CG-CD2	-25.29	82.87	120.80
2	43	46	TYR	CB-CG-CD2	-25.29	82.87	120.80
2	47	46	TYR	CB-CG-CD2	-25.29	82.87	120.80
2	5B	46	TYR	CB-CG-CD2	-25.29	82.87	120.80
2	53	46	TYR	CB-CG-CD2	-25.29	82.87	120.80
2	57	46	TYR	CB-CG-CD2	-25.29	82.87	120.80
2	6B	46	TYR	CB-CG-CD2	-25.29	82.87	120.80
2	1F	46	TYR	CB-CG-CD2	-25.28	82.88	120.80
2	2N	46	TYR	CB-CG-CD2	-25.28	82.88	120.80
2	23	46	TYR	CB-CG-CD2	-25.28	82.88	120.80
2	3N	46	TYR	CB-CG-CD2	-25.28	82.88	120.80
2	37	46	TYR	CB-CG-CD2	-25.28	82.88	120.80
2	4J	46	TYR	CB-CG-CD2	-25.28	82.88	120.80
2	4R	46	TYR	CB-CG-CD2	-25.28	82.88	120.80
2	5Z	46	TYR	CB-CG-CD2	-25.28	82.88	120.80
2	6F	46	TYR	CB-CG-CD2	-25.28	82.88	120.80
2	6Z	46	TYR	CB-CG-CD2	-25.28	82.88	120.80
2	7J	46	TYR	CB-CG-CD2	-25.28	82.88	120.80
2	7V	46	TYR	CB-CG-CD2	-25.28	82.88	120.80
2	1N	46	TYR	CB-CG-CD2	-25.27	82.89	120.80
2	2J	46	TYR	CB-CG-CD2	-25.27	82.89	120.80
2	3B	46	TYR	CB-CG-CD2	-25.27	82.89	120.80
2	3J	46	TYR	CB-CG-CD2	-25.27	82.89	120.80
2	33	46	TYR	CB-CG-CD2	-25.27	82.89	120.80
2	4F	46	TYR	CB-CG-CD2	-25.27	82.89	120.80
2	4Z	46	TYR	CB-CG-CD2	-25.27	82.89	120.80
2	5V	46	TYR	CB-CG-CD2	-25.27	82.89	120.80
2	6N	46	TYR	CB-CG-CD2	-25.27	82.89	120.80
2	6V	46	TYR	CB-CG-CD2	-25.27	82.89	120.80
2	7F	46	TYR	CB-CG-CD2	-25.27	82.89	120.80
2	7R	46	TYR	CB-CG-CD2	-25.27	82.89	120.80
2	1R	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	1V	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	1Z	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	2R	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	2V	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	2Z	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	43	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	47	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	5B	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	53	70	TRP	CG-CD2-CE3	25.23	159.13	133.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	6B	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	1B	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	1J	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	13	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	17	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	2B	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	2F	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	27	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	3F	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	3R	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	3V	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	3Z	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	4B	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	4N	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	4V	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	5F	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	5J	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	5N	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	5R	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	6J	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	6R	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	63	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	67	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	7B	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	7N	70	TRP	CG-CD2-CE3	25.23	159.13	133.90
2	1F	70	TRP	CG-CD2-CE3	25.19	159.09	133.90
2	2N	70	TRP	CG-CD2-CE3	25.19	159.09	133.90
2	23	70	TRP	CG-CD2-CE3	25.19	159.09	133.90
2	3N	70	TRP	CG-CD2-CE3	25.19	159.09	133.90
2	37	70	TRP	CG-CD2-CE3	25.19	159.09	133.90
2	4J	70	TRP	CG-CD2-CE3	25.19	159.09	133.90
2	4R	70	TRP	CG-CD2-CE3	25.19	159.09	133.90
2	5Z	70	TRP	CG-CD2-CE3	25.19	159.09	133.90
2	6F	70	TRP	CG-CD2-CE3	25.19	159.09	133.90
2	6Z	70	TRP	CG-CD2-CE3	25.19	159.09	133.90
2	7J	70	TRP	CG-CD2-CE3	25.19	159.09	133.90
2	7V	70	TRP	CG-CD2-CE3	25.19	159.09	133.90
2	1N	70	TRP	CG-CD2-CE3	25.18	159.08	133.90
2	2J	70	TRP	CG-CD2-CE3	25.18	159.08	133.90
2	3B	70	TRP	CG-CD2-CE3	25.18	159.08	133.90
2	3J	70	TRP	CG-CD2-CE3	25.18	159.08	133.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	70	TRP	CG-CD2-CE3	25.18	159.08	133.90
2	4F	70	TRP	CG-CD2-CE3	25.18	159.08	133.90
2	4Z	70	TRP	CG-CD2-CE3	25.18	159.08	133.90
2	5V	70	TRP	CG-CD2-CE3	25.18	159.08	133.90
2	6N	70	TRP	CG-CD2-CE3	25.18	159.08	133.90
2	6V	70	TRP	CG-CD2-CE3	25.18	159.08	133.90
2	7F	70	TRP	CG-CD2-CE3	25.18	159.08	133.90
2	7R	70	TRP	CG-CD2-CE3	25.18	159.08	133.90
2	13	60	ARG	NE-CZ-NH2	24.95	141.65	119.20
2	17	60	ARG	NE-CZ-NH2	24.95	141.65	119.20
2	2B	60	ARG	NE-CZ-NH2	24.95	141.65	119.20
2	3R	60	ARG	NE-CZ-NH2	24.95	141.65	119.20
2	3V	60	ARG	NE-CZ-NH2	24.95	141.65	119.20
2	3Z	60	ARG	NE-CZ-NH2	24.95	141.65	119.20
2	5F	60	ARG	NE-CZ-NH2	24.95	141.65	119.20
2	5J	60	ARG	NE-CZ-NH2	24.95	141.65	119.20
2	5N	60	ARG	NE-CZ-NH2	24.95	141.65	119.20
2	63	60	ARG	NE-CZ-NH2	24.95	141.65	119.20
2	67	60	ARG	NE-CZ-NH2	24.95	141.65	119.20
2	7B	60	ARG	NE-CZ-NH2	24.95	141.65	119.20
2	1N	60	ARG	NE-CZ-NH2	24.93	141.64	119.20
2	2J	60	ARG	NE-CZ-NH2	24.93	141.64	119.20
2	3B	60	ARG	NE-CZ-NH2	24.93	141.64	119.20
2	3J	60	ARG	NE-CZ-NH2	24.93	141.64	119.20
2	33	60	ARG	NE-CZ-NH2	24.93	141.64	119.20
2	4F	60	ARG	NE-CZ-NH2	24.93	141.64	119.20
2	4Z	60	ARG	NE-CZ-NH2	24.93	141.64	119.20
2	5V	60	ARG	NE-CZ-NH2	24.93	141.64	119.20
2	6N	60	ARG	NE-CZ-NH2	24.93	141.64	119.20
2	6V	60	ARG	NE-CZ-NH2	24.93	141.64	119.20
2	7F	60	ARG	NE-CZ-NH2	24.93	141.64	119.20
2	7R	60	ARG	NE-CZ-NH2	24.93	141.64	119.20
2	1R	60	ARG	NE-CZ-NH2	24.92	141.63	119.20
2	1V	60	ARG	NE-CZ-NH2	24.92	141.63	119.20
2	1Z	60	ARG	NE-CZ-NH2	24.92	141.63	119.20
2	2R	60	ARG	NE-CZ-NH2	24.92	141.63	119.20
2	2V	60	ARG	NE-CZ-NH2	24.92	141.63	119.20
2	2Z	60	ARG	NE-CZ-NH2	24.92	141.63	119.20
2	43	60	ARG	NE-CZ-NH2	24.92	141.63	119.20
2	47	60	ARG	NE-CZ-NH2	24.92	141.63	119.20
2	5B	60	ARG	NE-CZ-NH2	24.92	141.63	119.20
2	53	60	ARG	NE-CZ-NH2	24.92	141.63	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	60	ARG	NE-CZ-NH2	24.92	141.63	119.20
2	6B	60	ARG	NE-CZ-NH2	24.92	141.63	119.20
2	1F	60	ARG	NE-CZ-NH2	24.91	141.62	119.20
2	2N	60	ARG	NE-CZ-NH2	24.91	141.62	119.20
2	23	60	ARG	NE-CZ-NH2	24.91	141.62	119.20
2	3N	60	ARG	NE-CZ-NH2	24.91	141.62	119.20
2	37	60	ARG	NE-CZ-NH2	24.91	141.62	119.20
2	4J	60	ARG	NE-CZ-NH2	24.91	141.62	119.20
2	4R	60	ARG	NE-CZ-NH2	24.91	141.62	119.20
2	5Z	60	ARG	NE-CZ-NH2	24.91	141.62	119.20
2	6F	60	ARG	NE-CZ-NH2	24.91	141.62	119.20
2	6Z	60	ARG	NE-CZ-NH2	24.91	141.62	119.20
2	7J	60	ARG	NE-CZ-NH2	24.91	141.62	119.20
2	7V	60	ARG	NE-CZ-NH2	24.91	141.62	119.20
2	1B	60	ARG	NE-CZ-NH2	24.90	141.61	119.20
2	1J	60	ARG	NE-CZ-NH2	24.90	141.61	119.20
2	2F	60	ARG	NE-CZ-NH2	24.90	141.61	119.20
2	27	60	ARG	NE-CZ-NH2	24.90	141.61	119.20
2	3F	60	ARG	NE-CZ-NH2	24.90	141.61	119.20
2	4B	60	ARG	NE-CZ-NH2	24.90	141.61	119.20
2	4N	60	ARG	NE-CZ-NH2	24.90	141.61	119.20
2	4V	60	ARG	NE-CZ-NH2	24.90	141.61	119.20
2	5R	60	ARG	NE-CZ-NH2	24.90	141.61	119.20
2	6J	60	ARG	NE-CZ-NH2	24.90	141.61	119.20
2	6R	60	ARG	NE-CZ-NH2	24.90	141.61	119.20
2	7N	60	ARG	NE-CZ-NH2	24.90	141.61	119.20
2	1F	28	THR	CA-C-O	-24.90	90.43	119.56
2	2N	28	THR	CA-C-O	-24.90	90.43	119.56
2	23	28	THR	CA-C-O	-24.90	90.43	119.56
2	3N	28	THR	CA-C-O	-24.90	90.43	119.56
2	37	28	THR	CA-C-O	-24.90	90.43	119.56
2	4J	28	THR	CA-C-O	-24.90	90.43	119.56
2	4R	28	THR	CA-C-O	-24.90	90.43	119.56
2	5Z	28	THR	CA-C-O	-24.90	90.43	119.56
2	6F	28	THR	CA-C-O	-24.90	90.43	119.56
2	6Z	28	THR	CA-C-O	-24.90	90.43	119.56
2	7J	28	THR	CA-C-O	-24.90	90.43	119.56
2	7V	28	THR	CA-C-O	-24.90	90.43	119.56
2	13	28	THR	CA-C-O	-24.89	90.44	119.56
2	17	28	THR	CA-C-O	-24.89	90.44	119.56
2	2B	28	THR	CA-C-O	-24.89	90.44	119.56
2	3R	28	THR	CA-C-O	-24.89	90.44	119.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	28	THR	CA-C-O	-24.89	90.44	119.56
2	3Z	28	THR	CA-C-O	-24.89	90.44	119.56
2	5F	28	THR	CA-C-O	-24.89	90.44	119.56
2	5J	28	THR	CA-C-O	-24.89	90.44	119.56
2	5N	28	THR	CA-C-O	-24.89	90.44	119.56
2	63	28	THR	CA-C-O	-24.89	90.44	119.56
2	67	28	THR	CA-C-O	-24.89	90.44	119.56
2	7B	28	THR	CA-C-O	-24.89	90.44	119.56
2	1B	28	THR	CA-C-O	-24.89	90.44	119.56
2	1J	28	THR	CA-C-O	-24.89	90.44	119.56
2	2F	28	THR	CA-C-O	-24.89	90.44	119.56
2	27	28	THR	CA-C-O	-24.89	90.44	119.56
2	3F	28	THR	CA-C-O	-24.89	90.44	119.56
2	4B	28	THR	CA-C-O	-24.89	90.44	119.56
2	4N	28	THR	CA-C-O	-24.89	90.44	119.56
2	4V	28	THR	CA-C-O	-24.89	90.44	119.56
2	5R	28	THR	CA-C-O	-24.89	90.44	119.56
2	6J	28	THR	CA-C-O	-24.89	90.44	119.56
2	6R	28	THR	CA-C-O	-24.89	90.44	119.56
2	7N	28	THR	CA-C-O	-24.89	90.44	119.56
2	1N	28	THR	CA-C-O	-24.89	90.44	119.56
2	2J	28	THR	CA-C-O	-24.89	90.44	119.56
2	3B	28	THR	CA-C-O	-24.89	90.44	119.56
2	3J	28	THR	CA-C-O	-24.89	90.44	119.56
2	33	28	THR	CA-C-O	-24.89	90.44	119.56
2	4F	28	THR	CA-C-O	-24.89	90.44	119.56
2	4Z	28	THR	CA-C-O	-24.89	90.44	119.56
2	5V	28	THR	CA-C-O	-24.89	90.44	119.56
2	6N	28	THR	CA-C-O	-24.89	90.44	119.56
2	6V	28	THR	CA-C-O	-24.89	90.44	119.56
2	7F	28	THR	CA-C-O	-24.89	90.44	119.56
2	7R	28	THR	CA-C-O	-24.89	90.44	119.56
2	1R	28	THR	CA-C-O	-24.84	90.49	119.56
2	1V	28	THR	CA-C-O	-24.84	90.49	119.56
2	1Z	28	THR	CA-C-O	-24.84	90.49	119.56
2	2R	28	THR	CA-C-O	-24.84	90.49	119.56
2	2V	28	THR	CA-C-O	-24.84	90.49	119.56
2	2Z	28	THR	CA-C-O	-24.84	90.49	119.56
2	43	28	THR	CA-C-O	-24.84	90.49	119.56
2	47	28	THR	CA-C-O	-24.84	90.49	119.56
2	5B	28	THR	CA-C-O	-24.84	90.49	119.56
2	53	28	THR	CA-C-O	-24.84	90.49	119.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	28	THR	CA-C-O	-24.84	90.49	119.56
2	6B	28	THR	CA-C-O	-24.84	90.49	119.56
1	12	81	ASN	CA-C-N	-24.83	88.27	121.79
1	12	81	ASN	C-N-CA	-24.83	88.27	121.79
1	16	81	ASN	CA-C-N	-24.83	88.27	121.79
1	16	81	ASN	C-N-CA	-24.83	88.27	121.79
1	2A	81	ASN	CA-C-N	-24.83	88.27	121.79
1	2A	81	ASN	C-N-CA	-24.83	88.27	121.79
1	3Q	81	ASN	CA-C-N	-24.83	88.27	121.79
1	3Q	81	ASN	C-N-CA	-24.83	88.27	121.79
1	3U	81	ASN	CA-C-N	-24.83	88.27	121.79
1	3U	81	ASN	C-N-CA	-24.83	88.27	121.79
1	3Y	81	ASN	CA-C-N	-24.83	88.27	121.79
1	3Y	81	ASN	C-N-CA	-24.83	88.27	121.79
1	5E	81	ASN	CA-C-N	-24.83	88.27	121.79
1	5E	81	ASN	C-N-CA	-24.83	88.27	121.79
1	5I	81	ASN	CA-C-N	-24.83	88.27	121.79
1	5I	81	ASN	C-N-CA	-24.83	88.27	121.79
1	5M	81	ASN	CA-C-N	-24.83	88.27	121.79
1	5M	81	ASN	C-N-CA	-24.83	88.27	121.79
1	62	81	ASN	CA-C-N	-24.83	88.27	121.79
1	62	81	ASN	C-N-CA	-24.83	88.27	121.79
1	66	81	ASN	CA-C-N	-24.83	88.27	121.79
1	66	81	ASN	C-N-CA	-24.83	88.27	121.79
1	7A	81	ASN	CA-C-N	-24.83	88.27	121.79
1	7A	81	ASN	C-N-CA	-24.83	88.27	121.79
1	1M	81	ASN	CA-C-N	-24.82	88.29	121.79
1	1M	81	ASN	C-N-CA	-24.82	88.29	121.79
1	2I	81	ASN	CA-C-N	-24.82	88.29	121.79
1	2I	81	ASN	C-N-CA	-24.82	88.29	121.79
1	3A	81	ASN	CA-C-N	-24.82	88.29	121.79
1	3A	81	ASN	C-N-CA	-24.82	88.29	121.79
1	3I	81	ASN	CA-C-N	-24.82	88.29	121.79
1	3I	81	ASN	C-N-CA	-24.82	88.29	121.79
1	32	81	ASN	CA-C-N	-24.82	88.29	121.79
1	32	81	ASN	C-N-CA	-24.82	88.29	121.79
1	4E	81	ASN	CA-C-N	-24.82	88.29	121.79
1	4E	81	ASN	C-N-CA	-24.82	88.29	121.79
1	4Y	81	ASN	CA-C-N	-24.82	88.29	121.79
1	4Y	81	ASN	C-N-CA	-24.82	88.29	121.79
1	5U	81	ASN	CA-C-N	-24.82	88.29	121.79
1	5U	81	ASN	C-N-CA	-24.82	88.29	121.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6M	81	ASN	CA-C-N	-24.82	88.29	121.79
1	6M	81	ASN	C-N-CA	-24.82	88.29	121.79
1	6U	81	ASN	CA-C-N	-24.82	88.29	121.79
1	6U	81	ASN	C-N-CA	-24.82	88.29	121.79
1	7E	81	ASN	CA-C-N	-24.82	88.29	121.79
1	7E	81	ASN	C-N-CA	-24.82	88.29	121.79
1	7Q	81	ASN	CA-C-N	-24.82	88.29	121.79
1	7Q	81	ASN	C-N-CA	-24.82	88.29	121.79
1	1A	81	ASN	CA-C-N	-24.81	88.30	121.79
1	1A	81	ASN	C-N-CA	-24.81	88.30	121.79
1	1I	81	ASN	CA-C-N	-24.81	88.30	121.79
1	1I	81	ASN	C-N-CA	-24.81	88.30	121.79
1	2E	81	ASN	CA-C-N	-24.81	88.30	121.79
1	2E	81	ASN	C-N-CA	-24.81	88.30	121.79
1	26	81	ASN	CA-C-N	-24.81	88.30	121.79
1	26	81	ASN	C-N-CA	-24.81	88.30	121.79
1	3E	81	ASN	CA-C-N	-24.81	88.30	121.79
1	3E	81	ASN	C-N-CA	-24.81	88.30	121.79
1	4A	81	ASN	CA-C-N	-24.81	88.30	121.79
1	4A	81	ASN	C-N-CA	-24.81	88.30	121.79
1	4M	81	ASN	CA-C-N	-24.81	88.30	121.79
1	4M	81	ASN	C-N-CA	-24.81	88.30	121.79
1	4U	81	ASN	CA-C-N	-24.81	88.30	121.79
1	4U	81	ASN	C-N-CA	-24.81	88.30	121.79
1	5Q	81	ASN	CA-C-N	-24.81	88.30	121.79
1	5Q	81	ASN	C-N-CA	-24.81	88.30	121.79
1	6I	81	ASN	CA-C-N	-24.81	88.30	121.79
1	6I	81	ASN	C-N-CA	-24.81	88.30	121.79
1	6Q	81	ASN	CA-C-N	-24.81	88.30	121.79
1	6Q	81	ASN	C-N-CA	-24.81	88.30	121.79
1	7M	81	ASN	CA-C-N	-24.81	88.30	121.79
1	7M	81	ASN	C-N-CA	-24.81	88.30	121.79
1	1Q	81	ASN	CA-C-N	-24.80	88.31	121.79
1	1Q	81	ASN	C-N-CA	-24.80	88.31	121.79
1	1U	81	ASN	CA-C-N	-24.80	88.31	121.79
1	1U	81	ASN	C-N-CA	-24.80	88.31	121.79
1	1Y	81	ASN	CA-C-N	-24.80	88.31	121.79
1	1Y	81	ASN	C-N-CA	-24.80	88.31	121.79
1	2Q	81	ASN	CA-C-N	-24.80	88.31	121.79
1	2Q	81	ASN	C-N-CA	-24.80	88.31	121.79
1	2U	81	ASN	CA-C-N	-24.80	88.31	121.79
1	2U	81	ASN	C-N-CA	-24.80	88.31	121.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2Y	81	ASN	CA-C-N	-24.80	88.31	121.79
1	2Y	81	ASN	C-N-CA	-24.80	88.31	121.79
1	42	81	ASN	CA-C-N	-24.80	88.31	121.79
1	42	81	ASN	C-N-CA	-24.80	88.31	121.79
1	46	81	ASN	CA-C-N	-24.80	88.31	121.79
1	46	81	ASN	C-N-CA	-24.80	88.31	121.79
1	5A	81	ASN	CA-C-N	-24.80	88.31	121.79
1	5A	81	ASN	C-N-CA	-24.80	88.31	121.79
1	52	81	ASN	CA-C-N	-24.80	88.31	121.79
1	52	81	ASN	C-N-CA	-24.80	88.31	121.79
1	56	81	ASN	CA-C-N	-24.80	88.31	121.79
1	56	81	ASN	C-N-CA	-24.80	88.31	121.79
1	6A	81	ASN	CA-C-N	-24.80	88.31	121.79
1	6A	81	ASN	C-N-CA	-24.80	88.31	121.79
1	1E	81	ASN	CA-C-N	-24.80	88.32	121.79
1	1E	81	ASN	C-N-CA	-24.80	88.32	121.79
1	2M	81	ASN	CA-C-N	-24.80	88.32	121.79
1	2M	81	ASN	C-N-CA	-24.80	88.32	121.79
1	22	81	ASN	CA-C-N	-24.80	88.32	121.79
1	22	81	ASN	C-N-CA	-24.80	88.32	121.79
1	3M	81	ASN	CA-C-N	-24.80	88.32	121.79
1	3M	81	ASN	C-N-CA	-24.80	88.32	121.79
1	36	81	ASN	CA-C-N	-24.80	88.32	121.79
1	36	81	ASN	C-N-CA	-24.80	88.32	121.79
1	4I	81	ASN	CA-C-N	-24.80	88.32	121.79
1	4I	81	ASN	C-N-CA	-24.80	88.32	121.79
1	4Q	81	ASN	CA-C-N	-24.80	88.32	121.79
1	4Q	81	ASN	C-N-CA	-24.80	88.32	121.79
1	5Y	81	ASN	CA-C-N	-24.80	88.32	121.79
1	5Y	81	ASN	C-N-CA	-24.80	88.32	121.79
1	6E	81	ASN	CA-C-N	-24.80	88.32	121.79
1	6E	81	ASN	C-N-CA	-24.80	88.32	121.79
1	6Y	81	ASN	CA-C-N	-24.80	88.32	121.79
1	6Y	81	ASN	C-N-CA	-24.80	88.32	121.79
1	7I	81	ASN	CA-C-N	-24.80	88.32	121.79
1	7I	81	ASN	C-N-CA	-24.80	88.32	121.79
1	7U	81	ASN	CA-C-N	-24.80	88.32	121.79
1	7U	81	ASN	C-N-CA	-24.80	88.32	121.79
2	1R	43	SER	CA-C-O	24.66	149.09	120.49
2	1V	43	SER	CA-C-O	24.66	149.09	120.49
2	1Z	43	SER	CA-C-O	24.66	149.09	120.49
2	2R	43	SER	CA-C-O	24.66	149.09	120.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	43	SER	CA-C-O	24.66	149.09	120.49
2	2Z	43	SER	CA-C-O	24.66	149.09	120.49
2	43	43	SER	CA-C-O	24.66	149.09	120.49
2	47	43	SER	CA-C-O	24.66	149.09	120.49
2	5B	43	SER	CA-C-O	24.66	149.09	120.49
2	53	43	SER	CA-C-O	24.66	149.09	120.49
2	57	43	SER	CA-C-O	24.66	149.09	120.49
2	6B	43	SER	CA-C-O	24.66	149.09	120.49
2	13	43	SER	CA-C-O	24.64	149.08	120.49
2	17	43	SER	CA-C-O	24.64	149.08	120.49
2	2B	43	SER	CA-C-O	24.64	149.08	120.49
2	3R	43	SER	CA-C-O	24.64	149.08	120.49
2	3V	43	SER	CA-C-O	24.64	149.08	120.49
2	3Z	43	SER	CA-C-O	24.64	149.08	120.49
2	5F	43	SER	CA-C-O	24.64	149.08	120.49
2	5J	43	SER	CA-C-O	24.64	149.08	120.49
2	5N	43	SER	CA-C-O	24.64	149.08	120.49
2	63	43	SER	CA-C-O	24.64	149.08	120.49
2	67	43	SER	CA-C-O	24.64	149.08	120.49
2	7B	43	SER	CA-C-O	24.64	149.08	120.49
2	1N	43	SER	CA-C-O	24.64	149.07	120.49
2	2J	43	SER	CA-C-O	24.64	149.07	120.49
2	3B	43	SER	CA-C-O	24.64	149.07	120.49
2	3J	43	SER	CA-C-O	24.64	149.07	120.49
2	33	43	SER	CA-C-O	24.64	149.07	120.49
2	4F	43	SER	CA-C-O	24.64	149.07	120.49
2	4Z	43	SER	CA-C-O	24.64	149.07	120.49
2	5V	43	SER	CA-C-O	24.64	149.07	120.49
2	6N	43	SER	CA-C-O	24.64	149.07	120.49
2	6V	43	SER	CA-C-O	24.64	149.07	120.49
2	7F	43	SER	CA-C-O	24.64	149.07	120.49
2	7R	43	SER	CA-C-O	24.64	149.07	120.49
2	1B	43	SER	CA-C-O	24.63	149.06	120.49
2	1F	43	SER	CA-C-O	24.63	149.06	120.49
2	1J	43	SER	CA-C-O	24.63	149.06	120.49
2	2F	43	SER	CA-C-O	24.63	149.06	120.49
2	2N	43	SER	CA-C-O	24.63	149.06	120.49
2	23	43	SER	CA-C-O	24.63	149.06	120.49
2	27	43	SER	CA-C-O	24.63	149.06	120.49
2	3F	43	SER	CA-C-O	24.63	149.06	120.49
2	3N	43	SER	CA-C-O	24.63	149.06	120.49
2	37	43	SER	CA-C-O	24.63	149.06	120.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	43	SER	CA-C-O	24.63	149.06	120.49
2	4J	43	SER	CA-C-O	24.63	149.06	120.49
2	4N	43	SER	CA-C-O	24.63	149.06	120.49
2	4R	43	SER	CA-C-O	24.63	149.06	120.49
2	4V	43	SER	CA-C-O	24.63	149.06	120.49
2	5R	43	SER	CA-C-O	24.63	149.06	120.49
2	5Z	43	SER	CA-C-O	24.63	149.06	120.49
2	6F	43	SER	CA-C-O	24.63	149.06	120.49
2	6J	43	SER	CA-C-O	24.63	149.06	120.49
2	6R	43	SER	CA-C-O	24.63	149.06	120.49
2	6Z	43	SER	CA-C-O	24.63	149.06	120.49
2	7J	43	SER	CA-C-O	24.63	149.06	120.49
2	7N	43	SER	CA-C-O	24.63	149.06	120.49
2	7V	43	SER	CA-C-O	24.63	149.06	120.49
2	1F	2	GLU	O-C-N	24.48	145.76	121.28
2	2N	2	GLU	O-C-N	24.48	145.76	121.28
2	23	2	GLU	O-C-N	24.48	145.76	121.28
2	3N	2	GLU	O-C-N	24.48	145.76	121.28
2	37	2	GLU	O-C-N	24.48	145.76	121.28
2	4J	2	GLU	O-C-N	24.48	145.76	121.28
2	4R	2	GLU	O-C-N	24.48	145.76	121.28
2	5Z	2	GLU	O-C-N	24.48	145.76	121.28
2	6F	2	GLU	O-C-N	24.48	145.76	121.28
2	6Z	2	GLU	O-C-N	24.48	145.76	121.28
2	7J	2	GLU	O-C-N	24.48	145.76	121.28
2	7V	2	GLU	O-C-N	24.48	145.76	121.28
2	13	2	GLU	O-C-N	24.47	145.75	121.28
2	17	2	GLU	O-C-N	24.47	145.75	121.28
2	2B	2	GLU	O-C-N	24.47	145.75	121.28
2	3R	2	GLU	O-C-N	24.47	145.75	121.28
2	3V	2	GLU	O-C-N	24.47	145.75	121.28
2	3Z	2	GLU	O-C-N	24.47	145.75	121.28
2	5F	2	GLU	O-C-N	24.47	145.75	121.28
2	5J	2	GLU	O-C-N	24.47	145.75	121.28
2	5N	2	GLU	O-C-N	24.47	145.75	121.28
2	63	2	GLU	O-C-N	24.47	145.75	121.28
2	67	2	GLU	O-C-N	24.47	145.75	121.28
2	7B	2	GLU	O-C-N	24.47	145.75	121.28
2	1B	2	GLU	O-C-N	24.46	145.74	121.28
2	1J	2	GLU	O-C-N	24.46	145.74	121.28
2	2F	2	GLU	O-C-N	24.46	145.74	121.28
2	27	2	GLU	O-C-N	24.46	145.74	121.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	2	GLU	O-C-N	24.46	145.74	121.28
2	4B	2	GLU	O-C-N	24.46	145.74	121.28
2	4N	2	GLU	O-C-N	24.46	145.74	121.28
2	4V	2	GLU	O-C-N	24.46	145.74	121.28
2	5R	2	GLU	O-C-N	24.46	145.74	121.28
2	6J	2	GLU	O-C-N	24.46	145.74	121.28
2	6R	2	GLU	O-C-N	24.46	145.74	121.28
2	7N	2	GLU	O-C-N	24.46	145.74	121.28
2	1B	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	1J	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	2F	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	27	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	3F	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	4B	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	4N	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	4V	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	5R	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	6J	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	6R	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	7N	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	1F	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	2N	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	23	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	3N	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	37	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	4J	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	4R	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	5Z	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	6F	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	6Z	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	7J	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	7V	35	PHE	CB-CG-CD2	-24.45	79.14	120.70
2	1N	2	GLU	O-C-N	24.44	145.72	121.28
2	13	35	PHE	CB-CG-CD2	-24.44	79.14	120.70
2	17	35	PHE	CB-CG-CD2	-24.44	79.14	120.70
2	2B	35	PHE	CB-CG-CD2	-24.44	79.14	120.70
2	2J	2	GLU	O-C-N	24.44	145.72	121.28
2	3B	2	GLU	O-C-N	24.44	145.72	121.28
2	3J	2	GLU	O-C-N	24.44	145.72	121.28
2	3R	35	PHE	CB-CG-CD2	-24.44	79.14	120.70
2	3V	35	PHE	CB-CG-CD2	-24.44	79.14	120.70
2	3Z	35	PHE	CB-CG-CD2	-24.44	79.14	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	2	GLU	O-C-N	24.44	145.72	121.28
2	4F	2	GLU	O-C-N	24.44	145.72	121.28
2	4Z	2	GLU	O-C-N	24.44	145.72	121.28
2	5F	35	PHE	CB-CG-CD2	-24.44	79.14	120.70
2	5J	35	PHE	CB-CG-CD2	-24.44	79.14	120.70
2	5N	35	PHE	CB-CG-CD2	-24.44	79.14	120.70
2	5V	2	GLU	O-C-N	24.44	145.72	121.28
2	6N	2	GLU	O-C-N	24.44	145.72	121.28
2	6V	2	GLU	O-C-N	24.44	145.72	121.28
2	63	35	PHE	CB-CG-CD2	-24.44	79.14	120.70
2	67	35	PHE	CB-CG-CD2	-24.44	79.14	120.70
2	7B	35	PHE	CB-CG-CD2	-24.44	79.14	120.70
2	7F	2	GLU	O-C-N	24.44	145.72	121.28
2	7R	2	GLU	O-C-N	24.44	145.72	121.28
2	1N	35	PHE	CB-CG-CD2	-24.43	79.16	120.70
2	2J	35	PHE	CB-CG-CD2	-24.43	79.16	120.70
2	3B	35	PHE	CB-CG-CD2	-24.43	79.16	120.70
2	3J	35	PHE	CB-CG-CD2	-24.43	79.16	120.70
2	33	35	PHE	CB-CG-CD2	-24.43	79.16	120.70
2	4F	35	PHE	CB-CG-CD2	-24.43	79.16	120.70
2	4Z	35	PHE	CB-CG-CD2	-24.43	79.16	120.70
2	5V	35	PHE	CB-CG-CD2	-24.43	79.16	120.70
2	6N	35	PHE	CB-CG-CD2	-24.43	79.16	120.70
2	6V	35	PHE	CB-CG-CD2	-24.43	79.16	120.70
2	7F	35	PHE	CB-CG-CD2	-24.43	79.16	120.70
2	7R	35	PHE	CB-CG-CD2	-24.43	79.16	120.70
2	1R	35	PHE	CB-CG-CD2	-24.43	79.17	120.70
2	1V	35	PHE	CB-CG-CD2	-24.43	79.17	120.70
2	1Z	35	PHE	CB-CG-CD2	-24.43	79.17	120.70
2	2R	35	PHE	CB-CG-CD2	-24.43	79.17	120.70
2	2V	35	PHE	CB-CG-CD2	-24.43	79.17	120.70
2	2Z	35	PHE	CB-CG-CD2	-24.43	79.17	120.70
2	43	35	PHE	CB-CG-CD2	-24.43	79.17	120.70
2	47	35	PHE	CB-CG-CD2	-24.43	79.17	120.70
2	5B	35	PHE	CB-CG-CD2	-24.43	79.17	120.70
2	53	35	PHE	CB-CG-CD2	-24.43	79.17	120.70
2	57	35	PHE	CB-CG-CD2	-24.43	79.17	120.70
2	6B	35	PHE	CB-CG-CD2	-24.43	79.17	120.70
2	1R	2	GLU	O-C-N	24.43	145.71	121.28
2	1V	2	GLU	O-C-N	24.43	145.71	121.28
2	1Z	2	GLU	O-C-N	24.43	145.71	121.28
2	2R	2	GLU	O-C-N	24.43	145.71	121.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	2	GLU	O-C-N	24.43	145.71	121.28
2	2Z	2	GLU	O-C-N	24.43	145.71	121.28
2	43	2	GLU	O-C-N	24.43	145.71	121.28
2	47	2	GLU	O-C-N	24.43	145.71	121.28
2	5B	2	GLU	O-C-N	24.43	145.71	121.28
2	53	2	GLU	O-C-N	24.43	145.71	121.28
2	57	2	GLU	O-C-N	24.43	145.71	121.28
2	6B	2	GLU	O-C-N	24.43	145.71	121.28
2	1N	106	GLY	CA-C-N	-24.41	87.44	120.63
2	1N	106	GLY	C-N-CA	-24.41	87.44	120.63
2	2J	106	GLY	CA-C-N	-24.41	87.44	120.63
2	2J	106	GLY	C-N-CA	-24.41	87.44	120.63
2	3B	106	GLY	CA-C-N	-24.41	87.44	120.63
2	3B	106	GLY	C-N-CA	-24.41	87.44	120.63
2	3J	106	GLY	CA-C-N	-24.41	87.44	120.63
2	3J	106	GLY	C-N-CA	-24.41	87.44	120.63
2	33	106	GLY	CA-C-N	-24.41	87.44	120.63
2	33	106	GLY	C-N-CA	-24.41	87.44	120.63
2	4F	106	GLY	CA-C-N	-24.41	87.44	120.63
2	4F	106	GLY	C-N-CA	-24.41	87.44	120.63
2	4Z	106	GLY	CA-C-N	-24.41	87.44	120.63
2	4Z	106	GLY	C-N-CA	-24.41	87.44	120.63
2	5V	106	GLY	CA-C-N	-24.41	87.44	120.63
2	5V	106	GLY	C-N-CA	-24.41	87.44	120.63
2	6N	106	GLY	CA-C-N	-24.41	87.44	120.63
2	6N	106	GLY	C-N-CA	-24.41	87.44	120.63
2	6V	106	GLY	CA-C-N	-24.41	87.44	120.63
2	6V	106	GLY	C-N-CA	-24.41	87.44	120.63
2	7F	106	GLY	CA-C-N	-24.41	87.44	120.63
2	7F	106	GLY	C-N-CA	-24.41	87.44	120.63
2	7R	106	GLY	CA-C-N	-24.41	87.44	120.63
2	7R	106	GLY	C-N-CA	-24.41	87.44	120.63
2	1F	106	GLY	CA-C-N	-24.40	87.45	120.63
2	1F	106	GLY	C-N-CA	-24.40	87.45	120.63
2	2N	106	GLY	CA-C-N	-24.40	87.45	120.63
2	2N	106	GLY	C-N-CA	-24.40	87.45	120.63
2	23	106	GLY	CA-C-N	-24.40	87.45	120.63
2	23	106	GLY	C-N-CA	-24.40	87.45	120.63
2	3N	106	GLY	CA-C-N	-24.40	87.45	120.63
2	3N	106	GLY	C-N-CA	-24.40	87.45	120.63
2	37	106	GLY	CA-C-N	-24.40	87.45	120.63
2	37	106	GLY	C-N-CA	-24.40	87.45	120.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4J	106	GLY	CA-C-N	-24.40	87.45	120.63
2	4J	106	GLY	C-N-CA	-24.40	87.45	120.63
2	4R	106	GLY	CA-C-N	-24.40	87.45	120.63
2	4R	106	GLY	C-N-CA	-24.40	87.45	120.63
2	5Z	106	GLY	CA-C-N	-24.40	87.45	120.63
2	5Z	106	GLY	C-N-CA	-24.40	87.45	120.63
2	6F	106	GLY	CA-C-N	-24.40	87.45	120.63
2	6F	106	GLY	C-N-CA	-24.40	87.45	120.63
2	6Z	106	GLY	CA-C-N	-24.40	87.45	120.63
2	6Z	106	GLY	C-N-CA	-24.40	87.45	120.63
2	7J	106	GLY	CA-C-N	-24.40	87.45	120.63
2	7J	106	GLY	C-N-CA	-24.40	87.45	120.63
2	7V	106	GLY	CA-C-N	-24.40	87.45	120.63
2	7V	106	GLY	C-N-CA	-24.40	87.45	120.63
2	1B	106	GLY	CA-C-N	-24.39	87.46	120.63
2	1B	106	GLY	C-N-CA	-24.39	87.46	120.63
2	1J	106	GLY	CA-C-N	-24.39	87.46	120.63
2	1J	106	GLY	C-N-CA	-24.39	87.46	120.63
2	1R	106	GLY	CA-C-N	-24.39	87.46	120.63
2	1R	106	GLY	C-N-CA	-24.39	87.46	120.63
2	1V	106	GLY	CA-C-N	-24.39	87.46	120.63
2	1V	106	GLY	C-N-CA	-24.39	87.46	120.63
2	1Z	106	GLY	CA-C-N	-24.39	87.46	120.63
2	1Z	106	GLY	C-N-CA	-24.39	87.46	120.63
2	13	106	GLY	CA-C-N	-24.39	87.46	120.63
2	13	106	GLY	C-N-CA	-24.39	87.46	120.63
2	17	106	GLY	CA-C-N	-24.39	87.46	120.63
2	17	106	GLY	C-N-CA	-24.39	87.46	120.63
2	2B	106	GLY	CA-C-N	-24.39	87.46	120.63
2	2B	106	GLY	C-N-CA	-24.39	87.46	120.63
2	2F	106	GLY	CA-C-N	-24.39	87.46	120.63
2	2F	106	GLY	C-N-CA	-24.39	87.46	120.63
2	2R	106	GLY	CA-C-N	-24.39	87.46	120.63
2	2R	106	GLY	C-N-CA	-24.39	87.46	120.63
2	2V	106	GLY	CA-C-N	-24.39	87.46	120.63
2	2V	106	GLY	C-N-CA	-24.39	87.46	120.63
2	2Z	106	GLY	CA-C-N	-24.39	87.46	120.63
2	2Z	106	GLY	C-N-CA	-24.39	87.46	120.63
2	27	106	GLY	CA-C-N	-24.39	87.46	120.63
2	27	106	GLY	C-N-CA	-24.39	87.46	120.63
2	3F	106	GLY	CA-C-N	-24.39	87.46	120.63
2	3F	106	GLY	C-N-CA	-24.39	87.46	120.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3R	106	GLY	CA-C-N	-24.39	87.46	120.63
2	3R	106	GLY	C-N-CA	-24.39	87.46	120.63
2	3V	106	GLY	CA-C-N	-24.39	87.46	120.63
2	3V	106	GLY	C-N-CA	-24.39	87.46	120.63
2	3Z	106	GLY	CA-C-N	-24.39	87.46	120.63
2	3Z	106	GLY	C-N-CA	-24.39	87.46	120.63
2	4B	106	GLY	CA-C-N	-24.39	87.46	120.63
2	4B	106	GLY	C-N-CA	-24.39	87.46	120.63
2	4N	106	GLY	CA-C-N	-24.39	87.46	120.63
2	4N	106	GLY	C-N-CA	-24.39	87.46	120.63
2	4V	106	GLY	CA-C-N	-24.39	87.46	120.63
2	4V	106	GLY	C-N-CA	-24.39	87.46	120.63
2	43	106	GLY	CA-C-N	-24.39	87.46	120.63
2	43	106	GLY	C-N-CA	-24.39	87.46	120.63
2	47	106	GLY	CA-C-N	-24.39	87.46	120.63
2	47	106	GLY	C-N-CA	-24.39	87.46	120.63
2	5B	106	GLY	CA-C-N	-24.39	87.46	120.63
2	5B	106	GLY	C-N-CA	-24.39	87.46	120.63
2	5F	106	GLY	CA-C-N	-24.39	87.46	120.63
2	5F	106	GLY	C-N-CA	-24.39	87.46	120.63
2	5J	106	GLY	CA-C-N	-24.39	87.46	120.63
2	5J	106	GLY	C-N-CA	-24.39	87.46	120.63
2	5N	106	GLY	CA-C-N	-24.39	87.46	120.63
2	5N	106	GLY	C-N-CA	-24.39	87.46	120.63
2	5R	106	GLY	CA-C-N	-24.39	87.46	120.63
2	5R	106	GLY	C-N-CA	-24.39	87.46	120.63
2	53	106	GLY	CA-C-N	-24.39	87.46	120.63
2	53	106	GLY	C-N-CA	-24.39	87.46	120.63
2	57	106	GLY	CA-C-N	-24.39	87.46	120.63
2	57	106	GLY	C-N-CA	-24.39	87.46	120.63
2	6B	106	GLY	CA-C-N	-24.39	87.46	120.63
2	6B	106	GLY	C-N-CA	-24.39	87.46	120.63
2	6J	106	GLY	CA-C-N	-24.39	87.46	120.63
2	6J	106	GLY	C-N-CA	-24.39	87.46	120.63
2	6R	106	GLY	CA-C-N	-24.39	87.46	120.63
2	6R	106	GLY	C-N-CA	-24.39	87.46	120.63
2	63	106	GLY	CA-C-N	-24.39	87.46	120.63
2	63	106	GLY	C-N-CA	-24.39	87.46	120.63
2	67	106	GLY	CA-C-N	-24.39	87.46	120.63
2	67	106	GLY	C-N-CA	-24.39	87.46	120.63
2	7B	106	GLY	CA-C-N	-24.39	87.46	120.63
2	7B	106	GLY	C-N-CA	-24.39	87.46	120.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	106	GLY	CA-C-N	-24.39	87.46	120.63
2	7N	106	GLY	C-N-CA	-24.39	87.46	120.63
1	1A	79	THR	CB-CA-C	24.35	149.63	110.92
1	1I	79	THR	CB-CA-C	24.35	149.63	110.92
1	2E	79	THR	CB-CA-C	24.35	149.63	110.92
1	26	79	THR	CB-CA-C	24.35	149.63	110.92
1	3E	79	THR	CB-CA-C	24.35	149.63	110.92
1	4A	79	THR	CB-CA-C	24.35	149.63	110.92
1	4M	79	THR	CB-CA-C	24.35	149.63	110.92
1	4U	79	THR	CB-CA-C	24.35	149.63	110.92
1	5Q	79	THR	CB-CA-C	24.35	149.63	110.92
1	6I	79	THR	CB-CA-C	24.35	149.63	110.92
1	6Q	79	THR	CB-CA-C	24.35	149.63	110.92
1	7M	79	THR	CB-CA-C	24.35	149.63	110.92
1	1E	79	THR	CB-CA-C	24.34	149.62	110.92
1	2M	79	THR	CB-CA-C	24.34	149.62	110.92
1	22	79	THR	CB-CA-C	24.34	149.62	110.92
1	3M	79	THR	CB-CA-C	24.34	149.62	110.92
1	36	79	THR	CB-CA-C	24.34	149.62	110.92
1	4I	79	THR	CB-CA-C	24.34	149.62	110.92
1	4Q	79	THR	CB-CA-C	24.34	149.62	110.92
1	5Y	79	THR	CB-CA-C	24.34	149.62	110.92
1	6E	79	THR	CB-CA-C	24.34	149.62	110.92
1	6Y	79	THR	CB-CA-C	24.34	149.62	110.92
1	7I	79	THR	CB-CA-C	24.34	149.62	110.92
1	7U	79	THR	CB-CA-C	24.34	149.62	110.92
1	1M	79	THR	CB-CA-C	24.33	149.60	110.92
1	2I	79	THR	CB-CA-C	24.33	149.60	110.92
1	3A	79	THR	CB-CA-C	24.33	149.60	110.92
1	3I	79	THR	CB-CA-C	24.33	149.60	110.92
1	32	79	THR	CB-CA-C	24.33	149.60	110.92
1	4E	79	THR	CB-CA-C	24.33	149.60	110.92
1	4Y	79	THR	CB-CA-C	24.33	149.60	110.92
1	5U	79	THR	CB-CA-C	24.33	149.60	110.92
1	6M	79	THR	CB-CA-C	24.33	149.60	110.92
1	6U	79	THR	CB-CA-C	24.33	149.60	110.92
1	7E	79	THR	CB-CA-C	24.33	149.60	110.92
1	7Q	79	THR	CB-CA-C	24.33	149.60	110.92
1	12	79	THR	CB-CA-C	24.31	149.58	110.92
1	16	79	THR	CB-CA-C	24.31	149.58	110.92
1	2A	79	THR	CB-CA-C	24.31	149.58	110.92
1	3Q	79	THR	CB-CA-C	24.31	149.58	110.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	79	THR	CB-CA-C	24.31	149.58	110.92
1	3Y	79	THR	CB-CA-C	24.31	149.58	110.92
1	5E	79	THR	CB-CA-C	24.31	149.58	110.92
1	5I	79	THR	CB-CA-C	24.31	149.58	110.92
1	5M	79	THR	CB-CA-C	24.31	149.58	110.92
1	62	79	THR	CB-CA-C	24.31	149.58	110.92
1	66	79	THR	CB-CA-C	24.31	149.58	110.92
1	7A	79	THR	CB-CA-C	24.31	149.58	110.92
2	1F	46	TYR	CG-CD1-CE1	-24.31	84.74	121.20
1	1Q	79	THR	CB-CA-C	24.31	149.57	110.92
1	1U	79	THR	CB-CA-C	24.31	149.57	110.92
1	1Y	79	THR	CB-CA-C	24.31	149.57	110.92
2	2N	46	TYR	CG-CD1-CE1	-24.31	84.74	121.20
1	2Q	79	THR	CB-CA-C	24.31	149.57	110.92
1	2U	79	THR	CB-CA-C	24.31	149.57	110.92
1	2Y	79	THR	CB-CA-C	24.31	149.57	110.92
2	23	46	TYR	CG-CD1-CE1	-24.31	84.74	121.20
2	3N	46	TYR	CG-CD1-CE1	-24.31	84.74	121.20
2	37	46	TYR	CG-CD1-CE1	-24.31	84.74	121.20
2	4J	46	TYR	CG-CD1-CE1	-24.31	84.74	121.20
2	4R	46	TYR	CG-CD1-CE1	-24.31	84.74	121.20
1	42	79	THR	CB-CA-C	24.31	149.57	110.92
1	46	79	THR	CB-CA-C	24.31	149.57	110.92
1	5A	79	THR	CB-CA-C	24.31	149.57	110.92
2	5Z	46	TYR	CG-CD1-CE1	-24.31	84.74	121.20
1	52	79	THR	CB-CA-C	24.31	149.57	110.92
1	56	79	THR	CB-CA-C	24.31	149.57	110.92
1	6A	79	THR	CB-CA-C	24.31	149.57	110.92
2	6F	46	TYR	CG-CD1-CE1	-24.31	84.74	121.20
2	6Z	46	TYR	CG-CD1-CE1	-24.31	84.74	121.20
2	7J	46	TYR	CG-CD1-CE1	-24.31	84.74	121.20
2	7V	46	TYR	CG-CD1-CE1	-24.31	84.74	121.20
2	1B	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	1J	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	2F	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	27	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	3F	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	4B	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	4N	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	4V	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	5R	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	6J	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	7N	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	13	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	17	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	2B	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	3R	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	3V	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	3Z	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	5F	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	5J	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	5N	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	63	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	67	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	7B	46	TYR	CG-CD1-CE1	-24.29	84.77	121.20
2	1N	46	TYR	CG-CD1-CE1	-24.28	84.77	121.20
2	2J	46	TYR	CG-CD1-CE1	-24.28	84.77	121.20
2	3B	46	TYR	CG-CD1-CE1	-24.28	84.77	121.20
2	3J	46	TYR	CG-CD1-CE1	-24.28	84.77	121.20
2	33	46	TYR	CG-CD1-CE1	-24.28	84.77	121.20
2	4F	46	TYR	CG-CD1-CE1	-24.28	84.77	121.20
2	4Z	46	TYR	CG-CD1-CE1	-24.28	84.77	121.20
2	5V	46	TYR	CG-CD1-CE1	-24.28	84.77	121.20
2	6N	46	TYR	CG-CD1-CE1	-24.28	84.77	121.20
2	6V	46	TYR	CG-CD1-CE1	-24.28	84.77	121.20
2	7F	46	TYR	CG-CD1-CE1	-24.28	84.77	121.20
2	7R	46	TYR	CG-CD1-CE1	-24.28	84.77	121.20
2	1R	46	TYR	CG-CD1-CE1	-24.28	84.79	121.20
2	1V	46	TYR	CG-CD1-CE1	-24.28	84.79	121.20
2	1Z	46	TYR	CG-CD1-CE1	-24.28	84.79	121.20
2	2R	46	TYR	CG-CD1-CE1	-24.28	84.79	121.20
2	2V	46	TYR	CG-CD1-CE1	-24.28	84.79	121.20
2	2Z	46	TYR	CG-CD1-CE1	-24.28	84.79	121.20
2	43	46	TYR	CG-CD1-CE1	-24.28	84.79	121.20
2	47	46	TYR	CG-CD1-CE1	-24.28	84.79	121.20
2	5B	46	TYR	CG-CD1-CE1	-24.28	84.79	121.20
2	53	46	TYR	CG-CD1-CE1	-24.28	84.79	121.20
2	57	46	TYR	CG-CD1-CE1	-24.28	84.79	121.20
2	6B	46	TYR	CG-CD1-CE1	-24.28	84.79	121.20
2	1R	55	PRO	CA-C-O	-24.22	83.74	119.34
2	1V	55	PRO	CA-C-O	-24.22	83.74	119.34
2	1Z	55	PRO	CA-C-O	-24.22	83.74	119.34
2	2R	55	PRO	CA-C-O	-24.22	83.74	119.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	55	PRO	CA-C-O	-24.22	83.74	119.34
2	2Z	55	PRO	CA-C-O	-24.22	83.74	119.34
2	43	55	PRO	CA-C-O	-24.22	83.74	119.34
2	47	55	PRO	CA-C-O	-24.22	83.74	119.34
2	5B	55	PRO	CA-C-O	-24.22	83.74	119.34
2	53	55	PRO	CA-C-O	-24.22	83.74	119.34
2	57	55	PRO	CA-C-O	-24.22	83.74	119.34
2	6B	55	PRO	CA-C-O	-24.22	83.74	119.34
2	1F	55	PRO	CA-C-O	-24.21	83.75	119.34
2	2N	55	PRO	CA-C-O	-24.21	83.75	119.34
2	23	55	PRO	CA-C-O	-24.21	83.75	119.34
2	3N	55	PRO	CA-C-O	-24.21	83.75	119.34
2	37	55	PRO	CA-C-O	-24.21	83.75	119.34
2	4J	55	PRO	CA-C-O	-24.21	83.75	119.34
2	4R	55	PRO	CA-C-O	-24.21	83.75	119.34
2	5Z	55	PRO	CA-C-O	-24.21	83.75	119.34
2	6F	55	PRO	CA-C-O	-24.21	83.75	119.34
2	6Z	55	PRO	CA-C-O	-24.21	83.75	119.34
2	7J	55	PRO	CA-C-O	-24.21	83.75	119.34
2	7V	55	PRO	CA-C-O	-24.21	83.75	119.34
2	1B	55	PRO	CA-C-O	-24.20	83.76	119.34
2	1J	55	PRO	CA-C-O	-24.20	83.76	119.34
2	2F	55	PRO	CA-C-O	-24.20	83.76	119.34
2	27	55	PRO	CA-C-O	-24.20	83.76	119.34
2	3F	55	PRO	CA-C-O	-24.20	83.76	119.34
2	4B	55	PRO	CA-C-O	-24.20	83.76	119.34
2	4N	55	PRO	CA-C-O	-24.20	83.76	119.34
2	4V	55	PRO	CA-C-O	-24.20	83.76	119.34
2	5R	55	PRO	CA-C-O	-24.20	83.76	119.34
2	6J	55	PRO	CA-C-O	-24.20	83.76	119.34
2	6R	55	PRO	CA-C-O	-24.20	83.76	119.34
2	7N	55	PRO	CA-C-O	-24.20	83.76	119.34
2	1B	27	PRO	CA-C-N	-24.20	83.93	122.65
2	1B	27	PRO	C-N-CA	-24.20	83.93	122.65
2	1J	27	PRO	CA-C-N	-24.20	83.93	122.65
2	1J	27	PRO	C-N-CA	-24.20	83.93	122.65
2	2F	27	PRO	CA-C-N	-24.20	83.93	122.65
2	2F	27	PRO	C-N-CA	-24.20	83.93	122.65
2	27	27	PRO	CA-C-N	-24.20	83.93	122.65
2	27	27	PRO	C-N-CA	-24.20	83.93	122.65
2	3F	27	PRO	CA-C-N	-24.20	83.93	122.65
2	3F	27	PRO	C-N-CA	-24.20	83.93	122.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	27	PRO	CA-C-N	-24.20	83.93	122.65
2	4B	27	PRO	C-N-CA	-24.20	83.93	122.65
2	4N	27	PRO	CA-C-N	-24.20	83.93	122.65
2	4N	27	PRO	C-N-CA	-24.20	83.93	122.65
2	4V	27	PRO	CA-C-N	-24.20	83.93	122.65
2	4V	27	PRO	C-N-CA	-24.20	83.93	122.65
2	5R	27	PRO	CA-C-N	-24.20	83.93	122.65
2	5R	27	PRO	C-N-CA	-24.20	83.93	122.65
2	6J	27	PRO	CA-C-N	-24.20	83.93	122.65
2	6J	27	PRO	C-N-CA	-24.20	83.93	122.65
2	6R	27	PRO	CA-C-N	-24.20	83.93	122.65
2	6R	27	PRO	C-N-CA	-24.20	83.93	122.65
2	7N	27	PRO	CA-C-N	-24.20	83.93	122.65
2	7N	27	PRO	C-N-CA	-24.20	83.93	122.65
2	1F	27	PRO	CA-C-N	-24.20	83.93	122.65
2	1F	27	PRO	C-N-CA	-24.20	83.93	122.65
2	2N	27	PRO	CA-C-N	-24.20	83.93	122.65
2	2N	27	PRO	C-N-CA	-24.20	83.93	122.65
2	23	27	PRO	CA-C-N	-24.20	83.93	122.65
2	23	27	PRO	C-N-CA	-24.20	83.93	122.65
2	3N	27	PRO	CA-C-N	-24.20	83.93	122.65
2	3N	27	PRO	C-N-CA	-24.20	83.93	122.65
2	37	27	PRO	CA-C-N	-24.20	83.93	122.65
2	37	27	PRO	C-N-CA	-24.20	83.93	122.65
2	4J	27	PRO	CA-C-N	-24.20	83.93	122.65
2	4J	27	PRO	C-N-CA	-24.20	83.93	122.65
2	4R	27	PRO	CA-C-N	-24.20	83.93	122.65
2	4R	27	PRO	C-N-CA	-24.20	83.93	122.65
2	5Z	27	PRO	CA-C-N	-24.20	83.93	122.65
2	5Z	27	PRO	C-N-CA	-24.20	83.93	122.65
2	6F	27	PRO	CA-C-N	-24.20	83.93	122.65
2	6F	27	PRO	C-N-CA	-24.20	83.93	122.65
2	6Z	27	PRO	CA-C-N	-24.20	83.93	122.65
2	6Z	27	PRO	C-N-CA	-24.20	83.93	122.65
2	7J	27	PRO	CA-C-N	-24.20	83.93	122.65
2	7J	27	PRO	C-N-CA	-24.20	83.93	122.65
2	7V	27	PRO	CA-C-N	-24.20	83.93	122.65
2	7V	27	PRO	C-N-CA	-24.20	83.93	122.65
2	13	27	PRO	CA-C-N	-24.20	83.94	122.65
2	13	27	PRO	C-N-CA	-24.20	83.94	122.65
2	17	27	PRO	CA-C-N	-24.20	83.94	122.65
2	17	27	PRO	C-N-CA	-24.20	83.94	122.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	27	PRO	CA-C-N	-24.20	83.94	122.65
2	2B	27	PRO	C-N-CA	-24.20	83.94	122.65
2	3R	27	PRO	CA-C-N	-24.20	83.94	122.65
2	3R	27	PRO	C-N-CA	-24.20	83.94	122.65
2	3V	27	PRO	CA-C-N	-24.20	83.94	122.65
2	3V	27	PRO	C-N-CA	-24.20	83.94	122.65
2	3Z	27	PRO	CA-C-N	-24.20	83.94	122.65
2	3Z	27	PRO	C-N-CA	-24.20	83.94	122.65
2	5F	27	PRO	CA-C-N	-24.20	83.94	122.65
2	5F	27	PRO	C-N-CA	-24.20	83.94	122.65
2	5J	27	PRO	CA-C-N	-24.20	83.94	122.65
2	5J	27	PRO	C-N-CA	-24.20	83.94	122.65
2	5N	27	PRO	CA-C-N	-24.20	83.94	122.65
2	5N	27	PRO	C-N-CA	-24.20	83.94	122.65
2	63	27	PRO	CA-C-N	-24.20	83.94	122.65
2	63	27	PRO	C-N-CA	-24.20	83.94	122.65
2	67	27	PRO	CA-C-N	-24.20	83.94	122.65
2	67	27	PRO	C-N-CA	-24.20	83.94	122.65
2	7B	27	PRO	CA-C-N	-24.20	83.94	122.65
2	7B	27	PRO	C-N-CA	-24.20	83.94	122.65
2	1N	27	PRO	CA-C-N	-24.19	83.94	122.65
2	1N	27	PRO	C-N-CA	-24.19	83.94	122.65
2	2J	27	PRO	CA-C-N	-24.19	83.94	122.65
2	2J	27	PRO	C-N-CA	-24.19	83.94	122.65
2	3B	27	PRO	CA-C-N	-24.19	83.94	122.65
2	3B	27	PRO	C-N-CA	-24.19	83.94	122.65
2	3J	27	PRO	CA-C-N	-24.19	83.94	122.65
2	3J	27	PRO	C-N-CA	-24.19	83.94	122.65
2	33	27	PRO	CA-C-N	-24.19	83.94	122.65
2	33	27	PRO	C-N-CA	-24.19	83.94	122.65
2	4F	27	PRO	CA-C-N	-24.19	83.94	122.65
2	4F	27	PRO	C-N-CA	-24.19	83.94	122.65
2	4Z	27	PRO	CA-C-N	-24.19	83.94	122.65
2	4Z	27	PRO	C-N-CA	-24.19	83.94	122.65
2	5V	27	PRO	CA-C-N	-24.19	83.94	122.65
2	5V	27	PRO	C-N-CA	-24.19	83.94	122.65
2	6N	27	PRO	CA-C-N	-24.19	83.94	122.65
2	6N	27	PRO	C-N-CA	-24.19	83.94	122.65
2	6V	27	PRO	CA-C-N	-24.19	83.94	122.65
2	6V	27	PRO	C-N-CA	-24.19	83.94	122.65
2	7F	27	PRO	CA-C-N	-24.19	83.94	122.65
2	7F	27	PRO	C-N-CA	-24.19	83.94	122.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	27	PRO	CA-C-N	-24.19	83.94	122.65
2	7R	27	PRO	C-N-CA	-24.19	83.94	122.65
2	1R	27	PRO	CA-C-N	-24.19	83.94	122.65
2	1R	27	PRO	C-N-CA	-24.19	83.94	122.65
2	1V	27	PRO	CA-C-N	-24.19	83.94	122.65
2	1V	27	PRO	C-N-CA	-24.19	83.94	122.65
2	1Z	27	PRO	CA-C-N	-24.19	83.94	122.65
2	1Z	27	PRO	C-N-CA	-24.19	83.94	122.65
2	2R	27	PRO	CA-C-N	-24.19	83.94	122.65
2	2R	27	PRO	C-N-CA	-24.19	83.94	122.65
2	2V	27	PRO	CA-C-N	-24.19	83.94	122.65
2	2V	27	PRO	C-N-CA	-24.19	83.94	122.65
2	2Z	27	PRO	CA-C-N	-24.19	83.94	122.65
2	2Z	27	PRO	C-N-CA	-24.19	83.94	122.65
2	43	27	PRO	CA-C-N	-24.19	83.94	122.65
2	43	27	PRO	C-N-CA	-24.19	83.94	122.65
2	47	27	PRO	CA-C-N	-24.19	83.94	122.65
2	47	27	PRO	C-N-CA	-24.19	83.94	122.65
2	5B	27	PRO	CA-C-N	-24.19	83.94	122.65
2	5B	27	PRO	C-N-CA	-24.19	83.94	122.65
2	53	27	PRO	CA-C-N	-24.19	83.94	122.65
2	53	27	PRO	C-N-CA	-24.19	83.94	122.65
2	57	27	PRO	CA-C-N	-24.19	83.94	122.65
2	57	27	PRO	C-N-CA	-24.19	83.94	122.65
2	6B	27	PRO	CA-C-N	-24.19	83.94	122.65
2	6B	27	PRO	C-N-CA	-24.19	83.94	122.65
2	1N	55	PRO	CA-C-O	-24.18	83.79	119.34
2	2J	55	PRO	CA-C-O	-24.18	83.79	119.34
2	3B	55	PRO	CA-C-O	-24.18	83.79	119.34
2	3J	55	PRO	CA-C-O	-24.18	83.79	119.34
2	33	55	PRO	CA-C-O	-24.18	83.79	119.34
2	4F	55	PRO	CA-C-O	-24.18	83.79	119.34
2	4Z	55	PRO	CA-C-O	-24.18	83.79	119.34
2	5V	55	PRO	CA-C-O	-24.18	83.79	119.34
2	6N	55	PRO	CA-C-O	-24.18	83.79	119.34
2	6V	55	PRO	CA-C-O	-24.18	83.79	119.34
2	7F	55	PRO	CA-C-O	-24.18	83.79	119.34
2	7R	55	PRO	CA-C-O	-24.18	83.79	119.34
2	13	55	PRO	CA-C-O	-24.16	83.82	119.34
2	17	55	PRO	CA-C-O	-24.16	83.82	119.34
2	2B	55	PRO	CA-C-O	-24.16	83.82	119.34
2	3R	55	PRO	CA-C-O	-24.16	83.82	119.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	55	PRO	CA-C-O	-24.16	83.82	119.34
2	3Z	55	PRO	CA-C-O	-24.16	83.82	119.34
2	5F	55	PRO	CA-C-O	-24.16	83.82	119.34
2	5J	55	PRO	CA-C-O	-24.16	83.82	119.34
2	5N	55	PRO	CA-C-O	-24.16	83.82	119.34
2	63	55	PRO	CA-C-O	-24.16	83.82	119.34
2	67	55	PRO	CA-C-O	-24.16	83.82	119.34
2	7B	55	PRO	CA-C-O	-24.16	83.82	119.34
2	1N	28	THR	N-CA-C	-23.99	83.41	112.92
2	2J	28	THR	N-CA-C	-23.99	83.41	112.92
2	3B	28	THR	N-CA-C	-23.99	83.41	112.92
2	3J	28	THR	N-CA-C	-23.99	83.41	112.92
2	33	28	THR	N-CA-C	-23.99	83.41	112.92
2	4F	28	THR	N-CA-C	-23.99	83.41	112.92
2	4Z	28	THR	N-CA-C	-23.99	83.41	112.92
2	5V	28	THR	N-CA-C	-23.99	83.41	112.92
2	6N	28	THR	N-CA-C	-23.99	83.41	112.92
2	6V	28	THR	N-CA-C	-23.99	83.41	112.92
2	7F	28	THR	N-CA-C	-23.99	83.41	112.92
2	7R	28	THR	N-CA-C	-23.99	83.41	112.92
2	1F	28	THR	N-CA-C	-23.98	83.43	112.92
2	2N	28	THR	N-CA-C	-23.98	83.43	112.92
2	23	28	THR	N-CA-C	-23.98	83.43	112.92
2	3N	28	THR	N-CA-C	-23.98	83.43	112.92
2	37	28	THR	N-CA-C	-23.98	83.43	112.92
2	4J	28	THR	N-CA-C	-23.98	83.43	112.92
2	4R	28	THR	N-CA-C	-23.98	83.43	112.92
2	5Z	28	THR	N-CA-C	-23.98	83.43	112.92
2	6F	28	THR	N-CA-C	-23.98	83.43	112.92
2	6Z	28	THR	N-CA-C	-23.98	83.43	112.92
2	7J	28	THR	N-CA-C	-23.98	83.43	112.92
2	7V	28	THR	N-CA-C	-23.98	83.43	112.92
2	1B	28	THR	N-CA-C	-23.97	83.44	112.92
2	1J	28	THR	N-CA-C	-23.97	83.44	112.92
2	2F	28	THR	N-CA-C	-23.97	83.44	112.92
2	27	28	THR	N-CA-C	-23.97	83.44	112.92
2	3F	28	THR	N-CA-C	-23.97	83.44	112.92
2	4B	28	THR	N-CA-C	-23.97	83.44	112.92
2	4N	28	THR	N-CA-C	-23.97	83.44	112.92
2	4V	28	THR	N-CA-C	-23.97	83.44	112.92
2	5R	28	THR	N-CA-C	-23.97	83.44	112.92
2	6J	28	THR	N-CA-C	-23.97	83.44	112.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	28	THR	N-CA-C	-23.97	83.44	112.92
2	7N	28	THR	N-CA-C	-23.97	83.44	112.92
2	13	28	THR	N-CA-C	-23.96	83.44	112.92
2	17	28	THR	N-CA-C	-23.96	83.44	112.92
2	2B	28	THR	N-CA-C	-23.96	83.44	112.92
2	3R	28	THR	N-CA-C	-23.96	83.44	112.92
2	3V	28	THR	N-CA-C	-23.96	83.44	112.92
2	3Z	28	THR	N-CA-C	-23.96	83.44	112.92
2	5F	28	THR	N-CA-C	-23.96	83.44	112.92
2	5J	28	THR	N-CA-C	-23.96	83.44	112.92
2	5N	28	THR	N-CA-C	-23.96	83.44	112.92
2	63	28	THR	N-CA-C	-23.96	83.44	112.92
2	67	28	THR	N-CA-C	-23.96	83.44	112.92
2	7B	28	THR	N-CA-C	-23.96	83.44	112.92
2	1R	28	THR	N-CA-C	-23.96	83.45	112.92
2	1V	28	THR	N-CA-C	-23.96	83.45	112.92
2	1Z	28	THR	N-CA-C	-23.96	83.45	112.92
2	2R	28	THR	N-CA-C	-23.96	83.45	112.92
2	2V	28	THR	N-CA-C	-23.96	83.45	112.92
2	2Z	28	THR	N-CA-C	-23.96	83.45	112.92
2	43	28	THR	N-CA-C	-23.96	83.45	112.92
2	47	28	THR	N-CA-C	-23.96	83.45	112.92
2	5B	28	THR	N-CA-C	-23.96	83.45	112.92
2	53	28	THR	N-CA-C	-23.96	83.45	112.92
2	57	28	THR	N-CA-C	-23.96	83.45	112.92
2	6B	28	THR	N-CA-C	-23.96	83.45	112.92
1	1A	182	PHE	CG-CD2-CE2	-23.90	80.06	120.70
1	1I	182	PHE	CG-CD2-CE2	-23.90	80.06	120.70
1	2E	182	PHE	CG-CD2-CE2	-23.90	80.06	120.70
1	26	182	PHE	CG-CD2-CE2	-23.90	80.06	120.70
1	3E	182	PHE	CG-CD2-CE2	-23.90	80.06	120.70
1	4A	182	PHE	CG-CD2-CE2	-23.90	80.06	120.70
1	4M	182	PHE	CG-CD2-CE2	-23.90	80.06	120.70
1	4U	182	PHE	CG-CD2-CE2	-23.90	80.06	120.70
1	5Q	182	PHE	CG-CD2-CE2	-23.90	80.06	120.70
1	6I	182	PHE	CG-CD2-CE2	-23.90	80.06	120.70
1	6Q	182	PHE	CG-CD2-CE2	-23.90	80.06	120.70
1	7M	182	PHE	CG-CD2-CE2	-23.90	80.06	120.70
1	1E	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	1M	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	2I	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	2M	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	3A	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	3I	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	3M	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	32	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	36	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	4E	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	4I	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	4Q	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	4Y	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	5U	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	5Y	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	6E	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	6M	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	6U	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	6Y	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	7E	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	7I	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	7Q	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
1	7U	182	PHE	CG-CD2-CE2	-23.89	80.09	120.70
2	13	74	TYR	CE1-CZ-CE2	-23.89	72.52	120.30
2	17	74	TYR	CE1-CZ-CE2	-23.89	72.52	120.30
2	2B	74	TYR	CE1-CZ-CE2	-23.89	72.52	120.30
2	3R	74	TYR	CE1-CZ-CE2	-23.89	72.52	120.30
2	3V	74	TYR	CE1-CZ-CE2	-23.89	72.52	120.30
2	3Z	74	TYR	CE1-CZ-CE2	-23.89	72.52	120.30
2	5F	74	TYR	CE1-CZ-CE2	-23.89	72.52	120.30
2	5J	74	TYR	CE1-CZ-CE2	-23.89	72.52	120.30
2	5N	74	TYR	CE1-CZ-CE2	-23.89	72.52	120.30
2	63	74	TYR	CE1-CZ-CE2	-23.89	72.52	120.30
2	67	74	TYR	CE1-CZ-CE2	-23.89	72.52	120.30
2	7B	74	TYR	CE1-CZ-CE2	-23.89	72.52	120.30
1	12	182	PHE	CG-CD2-CE2	-23.89	80.10	120.70
1	16	182	PHE	CG-CD2-CE2	-23.89	80.10	120.70
1	2A	182	PHE	CG-CD2-CE2	-23.89	80.10	120.70
1	3Q	182	PHE	CG-CD2-CE2	-23.89	80.10	120.70
1	3U	182	PHE	CG-CD2-CE2	-23.89	80.10	120.70
1	3Y	182	PHE	CG-CD2-CE2	-23.89	80.10	120.70
1	5E	182	PHE	CG-CD2-CE2	-23.89	80.10	120.70
1	5I	182	PHE	CG-CD2-CE2	-23.89	80.10	120.70
1	5M	182	PHE	CG-CD2-CE2	-23.89	80.10	120.70
1	62	182	PHE	CG-CD2-CE2	-23.89	80.10	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	182	PHE	CG-CD2-CE2	-23.89	80.10	120.70
1	7A	182	PHE	CG-CD2-CE2	-23.89	80.10	120.70
1	1Q	182	PHE	CG-CD2-CE2	-23.88	80.10	120.70
1	1U	182	PHE	CG-CD2-CE2	-23.88	80.10	120.70
1	1Y	182	PHE	CG-CD2-CE2	-23.88	80.10	120.70
1	2Q	182	PHE	CG-CD2-CE2	-23.88	80.10	120.70
1	2U	182	PHE	CG-CD2-CE2	-23.88	80.10	120.70
1	2Y	182	PHE	CG-CD2-CE2	-23.88	80.10	120.70
1	42	182	PHE	CG-CD2-CE2	-23.88	80.10	120.70
1	46	182	PHE	CG-CD2-CE2	-23.88	80.10	120.70
1	5A	182	PHE	CG-CD2-CE2	-23.88	80.10	120.70
1	52	182	PHE	CG-CD2-CE2	-23.88	80.10	120.70
1	56	182	PHE	CG-CD2-CE2	-23.88	80.10	120.70
1	6A	182	PHE	CG-CD2-CE2	-23.88	80.10	120.70
2	1B	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	1J	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	1N	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	2F	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	2J	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	27	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	3B	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	3F	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	3J	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	33	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	4B	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	4F	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	4N	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	4V	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	4Z	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	5R	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	5V	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	6J	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	6N	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	6R	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	6V	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	7F	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	7N	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	7R	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	1F	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	1R	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	1V	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	1Z	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	2R	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	2V	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	2Z	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	23	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	3N	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	37	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	4J	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	4R	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	43	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	47	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	5B	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	5Z	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	53	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	57	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	6B	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	6F	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	6Z	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	7J	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	7V	74	TYR	CE1-CZ-CE2	-23.88	72.54	120.30
2	1F	31	PHE	CA-CB-CG	-23.75	90.05	113.80
2	2N	31	PHE	CA-CB-CG	-23.75	90.05	113.80
2	23	31	PHE	CA-CB-CG	-23.75	90.05	113.80
2	3N	31	PHE	CA-CB-CG	-23.75	90.05	113.80
2	37	31	PHE	CA-CB-CG	-23.75	90.05	113.80
2	4J	31	PHE	CA-CB-CG	-23.75	90.05	113.80
2	4R	31	PHE	CA-CB-CG	-23.75	90.05	113.80
2	5Z	31	PHE	CA-CB-CG	-23.75	90.05	113.80
2	6F	31	PHE	CA-CB-CG	-23.75	90.05	113.80
2	6Z	31	PHE	CA-CB-CG	-23.75	90.05	113.80
2	7J	31	PHE	CA-CB-CG	-23.75	90.05	113.80
2	7V	31	PHE	CA-CB-CG	-23.75	90.05	113.80
2	1R	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	1V	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	1Z	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	13	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	17	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	2B	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	2R	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	2V	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	2Z	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	3R	31	PHE	CA-CB-CG	-23.73	90.07	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	3Z	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	43	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	47	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	5B	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	5F	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	5J	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	5N	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	53	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	57	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	6B	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	63	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	67	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	7B	31	PHE	CA-CB-CG	-23.73	90.07	113.80
2	1N	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	2J	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	3B	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	3J	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	33	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	4F	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	4Z	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	5V	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	6N	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	6V	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	7F	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	7R	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	1B	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	1J	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	2F	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	27	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	3F	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	4B	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	4N	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	4V	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	5R	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	6J	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	6R	31	PHE	CA-CB-CG	-23.72	90.08	113.80
2	7N	31	PHE	CA-CB-CG	-23.72	90.08	113.80
1	1M	36	THR	CA-CB-OG1	-23.69	74.06	109.60
1	2I	36	THR	CA-CB-OG1	-23.69	74.06	109.60
1	3A	36	THR	CA-CB-OG1	-23.69	74.06	109.60
1	3I	36	THR	CA-CB-OG1	-23.69	74.06	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	36	THR	CA-CB-OG1	-23.69	74.06	109.60
1	4E	36	THR	CA-CB-OG1	-23.69	74.06	109.60
1	4Y	36	THR	CA-CB-OG1	-23.69	74.06	109.60
1	5U	36	THR	CA-CB-OG1	-23.69	74.06	109.60
1	6M	36	THR	CA-CB-OG1	-23.69	74.06	109.60
1	6U	36	THR	CA-CB-OG1	-23.69	74.06	109.60
1	7E	36	THR	CA-CB-OG1	-23.69	74.06	109.60
1	7Q	36	THR	CA-CB-OG1	-23.69	74.06	109.60
1	12	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	16	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	2A	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	3Q	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	3U	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	3Y	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	5E	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	5I	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	5M	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	62	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	66	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	7A	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	1E	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	2M	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	22	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	3M	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	36	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	4I	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	4Q	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	5Y	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	6E	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	6Y	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	7I	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	7U	36	THR	CA-CB-OG1	-23.69	74.07	109.60
1	1Q	36	THR	CA-CB-OG1	-23.68	74.07	109.60
1	1U	36	THR	CA-CB-OG1	-23.68	74.07	109.60
1	1Y	36	THR	CA-CB-OG1	-23.68	74.07	109.60
1	2Q	36	THR	CA-CB-OG1	-23.68	74.07	109.60
1	2U	36	THR	CA-CB-OG1	-23.68	74.07	109.60
1	2Y	36	THR	CA-CB-OG1	-23.68	74.07	109.60
1	42	36	THR	CA-CB-OG1	-23.68	74.07	109.60
1	46	36	THR	CA-CB-OG1	-23.68	74.07	109.60
1	5A	36	THR	CA-CB-OG1	-23.68	74.07	109.60
1	52	36	THR	CA-CB-OG1	-23.68	74.07	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	36	THR	CA-CB-OG1	-23.68	74.07	109.60
1	6A	36	THR	CA-CB-OG1	-23.68	74.07	109.60
1	1A	36	THR	CA-CB-OG1	-23.68	74.08	109.60
1	1I	36	THR	CA-CB-OG1	-23.68	74.08	109.60
1	2E	36	THR	CA-CB-OG1	-23.68	74.08	109.60
1	26	36	THR	CA-CB-OG1	-23.68	74.08	109.60
1	3E	36	THR	CA-CB-OG1	-23.68	74.08	109.60
1	4A	36	THR	CA-CB-OG1	-23.68	74.08	109.60
1	4M	36	THR	CA-CB-OG1	-23.68	74.08	109.60
1	4U	36	THR	CA-CB-OG1	-23.68	74.08	109.60
1	5Q	36	THR	CA-CB-OG1	-23.68	74.08	109.60
1	6I	36	THR	CA-CB-OG1	-23.68	74.08	109.60
1	6Q	36	THR	CA-CB-OG1	-23.68	74.08	109.60
1	7M	36	THR	CA-CB-OG1	-23.68	74.08	109.60
1	12	89	PHE	CZ-CE2-CD2	-23.68	77.38	120.00
1	16	89	PHE	CZ-CE2-CD2	-23.68	77.38	120.00
1	2A	89	PHE	CZ-CE2-CD2	-23.68	77.38	120.00
1	3Q	89	PHE	CZ-CE2-CD2	-23.68	77.38	120.00
1	3U	89	PHE	CZ-CE2-CD2	-23.68	77.38	120.00
1	3Y	89	PHE	CZ-CE2-CD2	-23.68	77.38	120.00
1	5E	89	PHE	CZ-CE2-CD2	-23.68	77.38	120.00
1	5I	89	PHE	CZ-CE2-CD2	-23.68	77.38	120.00
1	5M	89	PHE	CZ-CE2-CD2	-23.68	77.38	120.00
1	62	89	PHE	CZ-CE2-CD2	-23.68	77.38	120.00
1	66	89	PHE	CZ-CE2-CD2	-23.68	77.38	120.00
1	7A	89	PHE	CZ-CE2-CD2	-23.68	77.38	120.00
1	1A	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	1I	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	2E	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	26	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	3E	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	4A	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	4M	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	4U	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	5Q	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	6I	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	6Q	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	7M	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	1E	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	2M	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	22	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	3M	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	4I	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	4Q	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	5Y	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	6E	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	6Y	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	7I	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	7U	89	PHE	CZ-CE2-CD2	-23.67	77.39	120.00
1	1M	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	1Q	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	1U	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	1Y	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	2I	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	2Q	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	2U	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	2Y	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	3A	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	3I	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	32	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	4E	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	4Y	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	42	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	46	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	5A	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	5U	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	52	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	56	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	6A	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	6M	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	6U	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	7E	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
1	7Q	89	PHE	CZ-CE2-CD2	-23.66	77.41	120.00
2	1N	27	PRO	CA-N-CD	-23.63	78.92	112.00
2	2J	27	PRO	CA-N-CD	-23.63	78.92	112.00
2	3B	27	PRO	CA-N-CD	-23.63	78.92	112.00
2	3J	27	PRO	CA-N-CD	-23.63	78.92	112.00
2	33	27	PRO	CA-N-CD	-23.63	78.92	112.00
2	4F	27	PRO	CA-N-CD	-23.63	78.92	112.00
2	4Z	27	PRO	CA-N-CD	-23.63	78.92	112.00
2	5V	27	PRO	CA-N-CD	-23.63	78.92	112.00
2	6N	27	PRO	CA-N-CD	-23.63	78.92	112.00
2	6V	27	PRO	CA-N-CD	-23.63	78.92	112.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	27	PRO	CA-N-CD	-23.63	78.92	112.00
2	7R	27	PRO	CA-N-CD	-23.63	78.92	112.00
2	1B	27	PRO	CA-N-CD	-23.62	78.92	112.00
2	1J	27	PRO	CA-N-CD	-23.62	78.92	112.00
2	2F	27	PRO	CA-N-CD	-23.62	78.92	112.00
2	27	27	PRO	CA-N-CD	-23.62	78.92	112.00
2	3F	27	PRO	CA-N-CD	-23.62	78.92	112.00
2	4B	27	PRO	CA-N-CD	-23.62	78.92	112.00
2	4N	27	PRO	CA-N-CD	-23.62	78.92	112.00
2	4V	27	PRO	CA-N-CD	-23.62	78.92	112.00
2	5R	27	PRO	CA-N-CD	-23.62	78.92	112.00
2	6J	27	PRO	CA-N-CD	-23.62	78.92	112.00
2	6R	27	PRO	CA-N-CD	-23.62	78.92	112.00
2	7N	27	PRO	CA-N-CD	-23.62	78.92	112.00
2	1F	27	PRO	CA-N-CD	-23.62	78.94	112.00
2	2N	27	PRO	CA-N-CD	-23.62	78.94	112.00
2	23	27	PRO	CA-N-CD	-23.62	78.94	112.00
2	3N	27	PRO	CA-N-CD	-23.62	78.94	112.00
2	37	27	PRO	CA-N-CD	-23.62	78.94	112.00
2	4J	27	PRO	CA-N-CD	-23.62	78.94	112.00
2	4R	27	PRO	CA-N-CD	-23.62	78.94	112.00
2	5Z	27	PRO	CA-N-CD	-23.62	78.94	112.00
2	6F	27	PRO	CA-N-CD	-23.62	78.94	112.00
2	6Z	27	PRO	CA-N-CD	-23.62	78.94	112.00
2	7J	27	PRO	CA-N-CD	-23.62	78.94	112.00
2	7V	27	PRO	CA-N-CD	-23.62	78.94	112.00
2	13	27	PRO	CA-N-CD	-23.61	78.94	112.00
2	17	27	PRO	CA-N-CD	-23.61	78.94	112.00
2	2B	27	PRO	CA-N-CD	-23.61	78.94	112.00
2	3R	27	PRO	CA-N-CD	-23.61	78.94	112.00
2	3V	27	PRO	CA-N-CD	-23.61	78.94	112.00
2	3Z	27	PRO	CA-N-CD	-23.61	78.94	112.00
2	5F	27	PRO	CA-N-CD	-23.61	78.94	112.00
2	5J	27	PRO	CA-N-CD	-23.61	78.94	112.00
2	5N	27	PRO	CA-N-CD	-23.61	78.94	112.00
2	63	27	PRO	CA-N-CD	-23.61	78.94	112.00
2	67	27	PRO	CA-N-CD	-23.61	78.94	112.00
2	7B	27	PRO	CA-N-CD	-23.61	78.94	112.00
2	1R	27	PRO	CA-N-CD	-23.61	78.95	112.00
2	1V	27	PRO	CA-N-CD	-23.61	78.95	112.00
2	1Z	27	PRO	CA-N-CD	-23.61	78.95	112.00
2	2R	27	PRO	CA-N-CD	-23.61	78.95	112.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	27	PRO	CA-N-CD	-23.61	78.95	112.00
2	2Z	27	PRO	CA-N-CD	-23.61	78.95	112.00
2	43	27	PRO	CA-N-CD	-23.61	78.95	112.00
2	47	27	PRO	CA-N-CD	-23.61	78.95	112.00
2	5B	27	PRO	CA-N-CD	-23.61	78.95	112.00
2	53	27	PRO	CA-N-CD	-23.61	78.95	112.00
2	57	27	PRO	CA-N-CD	-23.61	78.95	112.00
2	6B	27	PRO	CA-N-CD	-23.61	78.95	112.00
2	1R	25	SER	CA-C-O	23.58	154.24	120.51
2	1V	25	SER	CA-C-O	23.58	154.24	120.51
2	1Z	25	SER	CA-C-O	23.58	154.24	120.51
2	2R	25	SER	CA-C-O	23.58	154.24	120.51
2	2V	25	SER	CA-C-O	23.58	154.24	120.51
2	2Z	25	SER	CA-C-O	23.58	154.24	120.51
2	43	25	SER	CA-C-O	23.58	154.24	120.51
2	47	25	SER	CA-C-O	23.58	154.24	120.51
2	5B	25	SER	CA-C-O	23.58	154.24	120.51
2	53	25	SER	CA-C-O	23.58	154.24	120.51
2	57	25	SER	CA-C-O	23.58	154.24	120.51
2	6B	25	SER	CA-C-O	23.58	154.24	120.51
2	1N	25	SER	CA-C-O	23.58	154.23	120.51
2	2J	25	SER	CA-C-O	23.58	154.23	120.51
2	3B	25	SER	CA-C-O	23.58	154.23	120.51
2	3J	25	SER	CA-C-O	23.58	154.23	120.51
2	33	25	SER	CA-C-O	23.58	154.23	120.51
2	4F	25	SER	CA-C-O	23.58	154.23	120.51
2	4Z	25	SER	CA-C-O	23.58	154.23	120.51
2	5V	25	SER	CA-C-O	23.58	154.23	120.51
2	6N	25	SER	CA-C-O	23.58	154.23	120.51
2	6V	25	SER	CA-C-O	23.58	154.23	120.51
2	7F	25	SER	CA-C-O	23.58	154.23	120.51
2	7R	25	SER	CA-C-O	23.58	154.23	120.51
2	13	25	SER	CA-C-O	23.58	154.22	120.51
2	17	25	SER	CA-C-O	23.58	154.22	120.51
2	2B	25	SER	CA-C-O	23.58	154.22	120.51
2	3R	25	SER	CA-C-O	23.58	154.22	120.51
2	3V	25	SER	CA-C-O	23.58	154.22	120.51
2	3Z	25	SER	CA-C-O	23.58	154.22	120.51
2	5F	25	SER	CA-C-O	23.58	154.22	120.51
2	5J	25	SER	CA-C-O	23.58	154.22	120.51
2	5N	25	SER	CA-C-O	23.58	154.22	120.51
2	63	25	SER	CA-C-O	23.58	154.22	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	25	SER	CA-C-O	23.58	154.22	120.51
2	7B	25	SER	CA-C-O	23.58	154.22	120.51
2	1F	25	SER	CA-C-O	23.57	154.22	120.51
2	2N	25	SER	CA-C-O	23.57	154.22	120.51
2	23	25	SER	CA-C-O	23.57	154.22	120.51
2	3N	25	SER	CA-C-O	23.57	154.22	120.51
2	37	25	SER	CA-C-O	23.57	154.22	120.51
2	4J	25	SER	CA-C-O	23.57	154.22	120.51
2	4R	25	SER	CA-C-O	23.57	154.22	120.51
2	5Z	25	SER	CA-C-O	23.57	154.22	120.51
2	6F	25	SER	CA-C-O	23.57	154.22	120.51
2	6Z	25	SER	CA-C-O	23.57	154.22	120.51
2	7J	25	SER	CA-C-O	23.57	154.22	120.51
2	7V	25	SER	CA-C-O	23.57	154.22	120.51
2	1B	25	SER	CA-C-O	23.57	154.22	120.51
2	1J	25	SER	CA-C-O	23.57	154.22	120.51
2	1R	28	THR	N-CA-CB	-23.57	76.14	110.56
2	1V	28	THR	N-CA-CB	-23.57	76.14	110.56
2	1Z	28	THR	N-CA-CB	-23.57	76.14	110.56
2	2F	25	SER	CA-C-O	23.57	154.22	120.51
2	2R	28	THR	N-CA-CB	-23.57	76.14	110.56
2	2V	28	THR	N-CA-CB	-23.57	76.14	110.56
2	2Z	28	THR	N-CA-CB	-23.57	76.14	110.56
2	27	25	SER	CA-C-O	23.57	154.22	120.51
2	3F	25	SER	CA-C-O	23.57	154.22	120.51
2	4B	25	SER	CA-C-O	23.57	154.22	120.51
2	4N	25	SER	CA-C-O	23.57	154.22	120.51
2	4V	25	SER	CA-C-O	23.57	154.22	120.51
2	43	28	THR	N-CA-CB	-23.57	76.14	110.56
2	47	28	THR	N-CA-CB	-23.57	76.14	110.56
2	5B	28	THR	N-CA-CB	-23.57	76.14	110.56
2	5R	25	SER	CA-C-O	23.57	154.22	120.51
2	53	28	THR	N-CA-CB	-23.57	76.14	110.56
2	57	28	THR	N-CA-CB	-23.57	76.14	110.56
2	6B	28	THR	N-CA-CB	-23.57	76.14	110.56
2	6J	25	SER	CA-C-O	23.57	154.22	120.51
2	6R	25	SER	CA-C-O	23.57	154.22	120.51
2	7N	25	SER	CA-C-O	23.57	154.22	120.51
2	13	28	THR	N-CA-CB	-23.57	76.16	110.56
2	17	28	THR	N-CA-CB	-23.57	76.16	110.56
2	2B	28	THR	N-CA-CB	-23.57	76.16	110.56
2	3R	28	THR	N-CA-CB	-23.57	76.16	110.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	28	THR	N-CA-CB	-23.57	76.16	110.56
2	3Z	28	THR	N-CA-CB	-23.57	76.16	110.56
2	5F	28	THR	N-CA-CB	-23.57	76.16	110.56
2	5J	28	THR	N-CA-CB	-23.57	76.16	110.56
2	5N	28	THR	N-CA-CB	-23.57	76.16	110.56
2	63	28	THR	N-CA-CB	-23.57	76.16	110.56
2	67	28	THR	N-CA-CB	-23.57	76.16	110.56
2	7B	28	THR	N-CA-CB	-23.57	76.16	110.56
2	1B	28	THR	N-CA-CB	-23.56	76.16	110.56
2	1J	28	THR	N-CA-CB	-23.56	76.16	110.56
2	2F	28	THR	N-CA-CB	-23.56	76.16	110.56
2	27	28	THR	N-CA-CB	-23.56	76.16	110.56
2	3F	28	THR	N-CA-CB	-23.56	76.16	110.56
2	4B	28	THR	N-CA-CB	-23.56	76.16	110.56
2	4N	28	THR	N-CA-CB	-23.56	76.16	110.56
2	4V	28	THR	N-CA-CB	-23.56	76.16	110.56
2	5R	28	THR	N-CA-CB	-23.56	76.16	110.56
2	6J	28	THR	N-CA-CB	-23.56	76.16	110.56
2	6R	28	THR	N-CA-CB	-23.56	76.16	110.56
2	7N	28	THR	N-CA-CB	-23.56	76.16	110.56
2	1N	28	THR	N-CA-CB	-23.56	76.17	110.56
2	2J	28	THR	N-CA-CB	-23.56	76.17	110.56
2	3B	28	THR	N-CA-CB	-23.56	76.17	110.56
2	3J	28	THR	N-CA-CB	-23.56	76.17	110.56
2	33	28	THR	N-CA-CB	-23.56	76.17	110.56
2	4F	28	THR	N-CA-CB	-23.56	76.17	110.56
2	4Z	28	THR	N-CA-CB	-23.56	76.17	110.56
2	5V	28	THR	N-CA-CB	-23.56	76.17	110.56
2	6N	28	THR	N-CA-CB	-23.56	76.17	110.56
2	6V	28	THR	N-CA-CB	-23.56	76.17	110.56
2	7F	28	THR	N-CA-CB	-23.56	76.17	110.56
2	7R	28	THR	N-CA-CB	-23.56	76.17	110.56
2	1F	28	THR	N-CA-CB	-23.55	76.17	110.56
2	2N	28	THR	N-CA-CB	-23.55	76.17	110.56
2	23	28	THR	N-CA-CB	-23.55	76.17	110.56
2	3N	28	THR	N-CA-CB	-23.55	76.17	110.56
2	37	28	THR	N-CA-CB	-23.55	76.17	110.56
2	4J	28	THR	N-CA-CB	-23.55	76.17	110.56
2	4R	28	THR	N-CA-CB	-23.55	76.17	110.56
2	5Z	28	THR	N-CA-CB	-23.55	76.17	110.56
2	6F	28	THR	N-CA-CB	-23.55	76.17	110.56
2	6Z	28	THR	N-CA-CB	-23.55	76.17	110.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	28	THR	N-CA-CB	-23.55	76.17	110.56
2	7V	28	THR	N-CA-CB	-23.55	76.17	110.56
2	1F	46	TYR	CD1-CG-CD2	23.55	153.42	118.10
2	2N	46	TYR	CD1-CG-CD2	23.55	153.42	118.10
2	23	46	TYR	CD1-CG-CD2	23.55	153.42	118.10
2	3N	46	TYR	CD1-CG-CD2	23.55	153.42	118.10
2	37	46	TYR	CD1-CG-CD2	23.55	153.42	118.10
2	4J	46	TYR	CD1-CG-CD2	23.55	153.42	118.10
2	4R	46	TYR	CD1-CG-CD2	23.55	153.42	118.10
2	5Z	46	TYR	CD1-CG-CD2	23.55	153.42	118.10
2	6F	46	TYR	CD1-CG-CD2	23.55	153.42	118.10
2	6Z	46	TYR	CD1-CG-CD2	23.55	153.42	118.10
2	7J	46	TYR	CD1-CG-CD2	23.55	153.42	118.10
2	7V	46	TYR	CD1-CG-CD2	23.55	153.42	118.10
2	13	46	TYR	CD1-CG-CD2	23.54	153.42	118.10
2	17	46	TYR	CD1-CG-CD2	23.54	153.42	118.10
2	2B	46	TYR	CD1-CG-CD2	23.54	153.42	118.10
2	3R	46	TYR	CD1-CG-CD2	23.54	153.42	118.10
2	3V	46	TYR	CD1-CG-CD2	23.54	153.42	118.10
2	3Z	46	TYR	CD1-CG-CD2	23.54	153.42	118.10
2	5F	46	TYR	CD1-CG-CD2	23.54	153.42	118.10
2	5J	46	TYR	CD1-CG-CD2	23.54	153.42	118.10
2	5N	46	TYR	CD1-CG-CD2	23.54	153.42	118.10
2	63	46	TYR	CD1-CG-CD2	23.54	153.42	118.10
2	67	46	TYR	CD1-CG-CD2	23.54	153.42	118.10
2	7B	46	TYR	CD1-CG-CD2	23.54	153.42	118.10
2	1B	46	TYR	CD1-CG-CD2	23.54	153.41	118.10
2	1J	46	TYR	CD1-CG-CD2	23.54	153.41	118.10
2	2F	46	TYR	CD1-CG-CD2	23.54	153.41	118.10
2	27	46	TYR	CD1-CG-CD2	23.54	153.41	118.10
2	3F	46	TYR	CD1-CG-CD2	23.54	153.41	118.10
2	4B	46	TYR	CD1-CG-CD2	23.54	153.41	118.10
2	4N	46	TYR	CD1-CG-CD2	23.54	153.41	118.10
2	4V	46	TYR	CD1-CG-CD2	23.54	153.41	118.10
2	5R	46	TYR	CD1-CG-CD2	23.54	153.41	118.10
2	6J	46	TYR	CD1-CG-CD2	23.54	153.41	118.10
2	6R	46	TYR	CD1-CG-CD2	23.54	153.41	118.10
2	7N	46	TYR	CD1-CG-CD2	23.54	153.41	118.10
2	1R	46	TYR	CD1-CG-CD2	23.54	153.40	118.10
2	1V	46	TYR	CD1-CG-CD2	23.54	153.40	118.10
2	1Z	46	TYR	CD1-CG-CD2	23.54	153.40	118.10
2	2R	46	TYR	CD1-CG-CD2	23.54	153.40	118.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	46	TYR	CD1-CG-CD2	23.54	153.40	118.10
2	2Z	46	TYR	CD1-CG-CD2	23.54	153.40	118.10
2	43	46	TYR	CD1-CG-CD2	23.54	153.40	118.10
2	47	46	TYR	CD1-CG-CD2	23.54	153.40	118.10
2	5B	46	TYR	CD1-CG-CD2	23.54	153.40	118.10
2	53	46	TYR	CD1-CG-CD2	23.54	153.40	118.10
2	57	46	TYR	CD1-CG-CD2	23.54	153.40	118.10
2	6B	46	TYR	CD1-CG-CD2	23.54	153.40	118.10
2	1N	46	TYR	CD1-CG-CD2	23.51	153.36	118.10
2	2J	46	TYR	CD1-CG-CD2	23.51	153.36	118.10
2	3B	46	TYR	CD1-CG-CD2	23.51	153.36	118.10
2	3J	46	TYR	CD1-CG-CD2	23.51	153.36	118.10
2	33	46	TYR	CD1-CG-CD2	23.51	153.36	118.10
2	4F	46	TYR	CD1-CG-CD2	23.51	153.36	118.10
2	4Z	46	TYR	CD1-CG-CD2	23.51	153.36	118.10
2	5V	46	TYR	CD1-CG-CD2	23.51	153.36	118.10
2	6N	46	TYR	CD1-CG-CD2	23.51	153.36	118.10
2	6V	46	TYR	CD1-CG-CD2	23.51	153.36	118.10
2	7F	46	TYR	CD1-CG-CD2	23.51	153.36	118.10
2	7R	46	TYR	CD1-CG-CD2	23.51	153.36	118.10
1	1E	146	ASN	OD1-CG-ND2	-23.49	99.11	122.60
1	2M	146	ASN	OD1-CG-ND2	-23.49	99.11	122.60
1	22	146	ASN	OD1-CG-ND2	-23.49	99.11	122.60
1	3M	146	ASN	OD1-CG-ND2	-23.49	99.11	122.60
1	36	146	ASN	OD1-CG-ND2	-23.49	99.11	122.60
1	4I	146	ASN	OD1-CG-ND2	-23.49	99.11	122.60
1	4Q	146	ASN	OD1-CG-ND2	-23.49	99.11	122.60
1	5Y	146	ASN	OD1-CG-ND2	-23.49	99.11	122.60
1	6E	146	ASN	OD1-CG-ND2	-23.49	99.11	122.60
1	6Y	146	ASN	OD1-CG-ND2	-23.49	99.11	122.60
1	7I	146	ASN	OD1-CG-ND2	-23.49	99.11	122.60
1	7U	146	ASN	OD1-CG-ND2	-23.49	99.11	122.60
1	12	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	16	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	2A	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	3Q	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	3U	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	3Y	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	5E	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	5I	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	5M	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	62	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	7A	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	1A	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	1I	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	2E	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	26	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	3E	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	4A	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	4M	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	4U	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	5Q	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	6I	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	6Q	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	7M	146	ASN	OD1-CG-ND2	-23.48	99.12	122.60
1	1M	146	ASN	OD1-CG-ND2	-23.47	99.13	122.60
1	2I	146	ASN	OD1-CG-ND2	-23.47	99.13	122.60
1	3A	146	ASN	OD1-CG-ND2	-23.47	99.13	122.60
1	3I	146	ASN	OD1-CG-ND2	-23.47	99.13	122.60
1	32	146	ASN	OD1-CG-ND2	-23.47	99.13	122.60
1	4E	146	ASN	OD1-CG-ND2	-23.47	99.13	122.60
1	4Y	146	ASN	OD1-CG-ND2	-23.47	99.13	122.60
1	5U	146	ASN	OD1-CG-ND2	-23.47	99.13	122.60
1	6M	146	ASN	OD1-CG-ND2	-23.47	99.13	122.60
1	6U	146	ASN	OD1-CG-ND2	-23.47	99.13	122.60
1	7E	146	ASN	OD1-CG-ND2	-23.47	99.13	122.60
1	7Q	146	ASN	OD1-CG-ND2	-23.47	99.13	122.60
1	1Q	146	ASN	OD1-CG-ND2	-23.45	99.15	122.60
1	1U	146	ASN	OD1-CG-ND2	-23.45	99.15	122.60
1	1Y	146	ASN	OD1-CG-ND2	-23.45	99.15	122.60
1	2Q	146	ASN	OD1-CG-ND2	-23.45	99.15	122.60
1	2U	146	ASN	OD1-CG-ND2	-23.45	99.15	122.60
1	2Y	146	ASN	OD1-CG-ND2	-23.45	99.15	122.60
1	42	146	ASN	OD1-CG-ND2	-23.45	99.15	122.60
1	46	146	ASN	OD1-CG-ND2	-23.45	99.15	122.60
1	5A	146	ASN	OD1-CG-ND2	-23.45	99.15	122.60
1	52	146	ASN	OD1-CG-ND2	-23.45	99.15	122.60
1	56	146	ASN	OD1-CG-ND2	-23.45	99.15	122.60
1	6A	146	ASN	OD1-CG-ND2	-23.45	99.15	122.60
1	1M	96	ASP	N-CA-C	23.29	143.18	111.74
1	2I	96	ASP	N-CA-C	23.29	143.18	111.74
1	3A	96	ASP	N-CA-C	23.29	143.18	111.74
1	3I	96	ASP	N-CA-C	23.29	143.18	111.74

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	96	ASP	N-CA-C	23.29	143.18	111.74
1	4E	96	ASP	N-CA-C	23.29	143.18	111.74
1	4Y	96	ASP	N-CA-C	23.29	143.18	111.74
1	5U	96	ASP	N-CA-C	23.29	143.18	111.74
1	6M	96	ASP	N-CA-C	23.29	143.18	111.74
1	6U	96	ASP	N-CA-C	23.29	143.18	111.74
1	7E	96	ASP	N-CA-C	23.29	143.18	111.74
1	7Q	96	ASP	N-CA-C	23.29	143.18	111.74
1	1Q	96	ASP	N-CA-C	23.29	143.18	111.74
1	1U	96	ASP	N-CA-C	23.29	143.18	111.74
1	1Y	96	ASP	N-CA-C	23.29	143.18	111.74
1	2Q	96	ASP	N-CA-C	23.29	143.18	111.74
1	2U	96	ASP	N-CA-C	23.29	143.18	111.74
1	2Y	96	ASP	N-CA-C	23.29	143.18	111.74
1	42	96	ASP	N-CA-C	23.29	143.18	111.74
1	46	96	ASP	N-CA-C	23.29	143.18	111.74
1	5A	96	ASP	N-CA-C	23.29	143.18	111.74
1	52	96	ASP	N-CA-C	23.29	143.18	111.74
1	56	96	ASP	N-CA-C	23.29	143.18	111.74
1	6A	96	ASP	N-CA-C	23.29	143.18	111.74
1	1A	96	ASP	N-CA-C	23.26	143.14	111.74
1	1I	96	ASP	N-CA-C	23.26	143.14	111.74
1	2E	96	ASP	N-CA-C	23.26	143.14	111.74
1	26	96	ASP	N-CA-C	23.26	143.14	111.74
1	3E	96	ASP	N-CA-C	23.26	143.14	111.74
1	4A	96	ASP	N-CA-C	23.26	143.14	111.74
1	4M	96	ASP	N-CA-C	23.26	143.14	111.74
1	4U	96	ASP	N-CA-C	23.26	143.14	111.74
1	5Q	96	ASP	N-CA-C	23.26	143.14	111.74
1	6I	96	ASP	N-CA-C	23.26	143.14	111.74
1	6Q	96	ASP	N-CA-C	23.26	143.14	111.74
1	7M	96	ASP	N-CA-C	23.26	143.14	111.74
1	12	96	ASP	N-CA-C	23.23	143.10	111.74
1	16	96	ASP	N-CA-C	23.23	143.10	111.74
1	2A	96	ASP	N-CA-C	23.23	143.10	111.74
1	3Q	96	ASP	N-CA-C	23.23	143.10	111.74
1	3U	96	ASP	N-CA-C	23.23	143.10	111.74
1	3Y	96	ASP	N-CA-C	23.23	143.10	111.74
1	5E	96	ASP	N-CA-C	23.23	143.10	111.74
1	5I	96	ASP	N-CA-C	23.23	143.10	111.74
1	5M	96	ASP	N-CA-C	23.23	143.10	111.74
1	62	96	ASP	N-CA-C	23.23	143.10	111.74

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	96	ASP	N-CA-C	23.23	143.10	111.74
1	7A	96	ASP	N-CA-C	23.23	143.10	111.74
1	1E	96	ASP	N-CA-C	23.23	143.10	111.74
1	2M	96	ASP	N-CA-C	23.23	143.10	111.74
1	22	96	ASP	N-CA-C	23.23	143.10	111.74
1	3M	96	ASP	N-CA-C	23.23	143.10	111.74
1	36	96	ASP	N-CA-C	23.23	143.10	111.74
1	4I	96	ASP	N-CA-C	23.23	143.10	111.74
1	4Q	96	ASP	N-CA-C	23.23	143.10	111.74
1	5Y	96	ASP	N-CA-C	23.23	143.10	111.74
1	6E	96	ASP	N-CA-C	23.23	143.10	111.74
1	6Y	96	ASP	N-CA-C	23.23	143.10	111.74
1	7I	96	ASP	N-CA-C	23.23	143.10	111.74
1	7U	96	ASP	N-CA-C	23.23	143.10	111.74
2	1N	67	THR	O-C-N	23.15	141.03	121.35
2	2J	67	THR	O-C-N	23.15	141.03	121.35
2	3B	67	THR	O-C-N	23.15	141.03	121.35
2	3J	67	THR	O-C-N	23.15	141.03	121.35
2	33	67	THR	O-C-N	23.15	141.03	121.35
2	4F	67	THR	O-C-N	23.15	141.03	121.35
2	4Z	67	THR	O-C-N	23.15	141.03	121.35
2	5V	67	THR	O-C-N	23.15	141.03	121.35
2	6N	67	THR	O-C-N	23.15	141.03	121.35
2	6V	67	THR	O-C-N	23.15	141.03	121.35
2	7F	67	THR	O-C-N	23.15	141.03	121.35
2	7R	67	THR	O-C-N	23.15	141.03	121.35
2	1R	67	THR	O-C-N	23.14	141.02	121.35
2	1V	67	THR	O-C-N	23.14	141.02	121.35
2	1Z	67	THR	O-C-N	23.14	141.02	121.35
2	2R	67	THR	O-C-N	23.14	141.02	121.35
2	2V	67	THR	O-C-N	23.14	141.02	121.35
2	2Z	67	THR	O-C-N	23.14	141.02	121.35
2	43	67	THR	O-C-N	23.14	141.02	121.35
2	47	67	THR	O-C-N	23.14	141.02	121.35
2	5B	67	THR	O-C-N	23.14	141.02	121.35
2	53	67	THR	O-C-N	23.14	141.02	121.35
2	57	67	THR	O-C-N	23.14	141.02	121.35
2	6B	67	THR	O-C-N	23.14	141.02	121.35
2	1B	67	THR	O-C-N	23.10	140.99	121.35
2	1J	67	THR	O-C-N	23.10	140.99	121.35
2	2F	67	THR	O-C-N	23.10	140.99	121.35
2	27	67	THR	O-C-N	23.10	140.99	121.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	67	THR	O-C-N	23.10	140.99	121.35
2	4B	67	THR	O-C-N	23.10	140.99	121.35
2	4N	67	THR	O-C-N	23.10	140.99	121.35
2	4V	67	THR	O-C-N	23.10	140.99	121.35
2	5R	67	THR	O-C-N	23.10	140.99	121.35
2	6J	67	THR	O-C-N	23.10	140.99	121.35
2	6R	67	THR	O-C-N	23.10	140.99	121.35
2	7N	67	THR	O-C-N	23.10	140.99	121.35
2	13	67	THR	O-C-N	23.10	140.99	121.35
2	17	67	THR	O-C-N	23.10	140.99	121.35
2	2B	67	THR	O-C-N	23.10	140.99	121.35
2	3R	67	THR	O-C-N	23.10	140.99	121.35
2	3V	67	THR	O-C-N	23.10	140.99	121.35
2	3Z	67	THR	O-C-N	23.10	140.99	121.35
2	5F	67	THR	O-C-N	23.10	140.99	121.35
2	5J	67	THR	O-C-N	23.10	140.99	121.35
2	5N	67	THR	O-C-N	23.10	140.99	121.35
2	63	67	THR	O-C-N	23.10	140.99	121.35
2	67	67	THR	O-C-N	23.10	140.99	121.35
2	7B	67	THR	O-C-N	23.10	140.99	121.35
2	1F	67	THR	O-C-N	23.10	140.98	121.35
2	2N	67	THR	O-C-N	23.10	140.98	121.35
2	23	67	THR	O-C-N	23.10	140.98	121.35
2	3N	67	THR	O-C-N	23.10	140.98	121.35
2	37	67	THR	O-C-N	23.10	140.98	121.35
2	4J	67	THR	O-C-N	23.10	140.98	121.35
2	4R	67	THR	O-C-N	23.10	140.98	121.35
2	5Z	67	THR	O-C-N	23.10	140.98	121.35
2	6F	67	THR	O-C-N	23.10	140.98	121.35
2	6Z	67	THR	O-C-N	23.10	140.98	121.35
2	7J	67	THR	O-C-N	23.10	140.98	121.35
2	7V	67	THR	O-C-N	23.10	140.98	121.35
1	1E	22	HIS	CG-CD2-NE2	23.04	130.24	107.20
1	2M	22	HIS	CG-CD2-NE2	23.04	130.24	107.20
1	22	22	HIS	CG-CD2-NE2	23.04	130.24	107.20
1	3M	22	HIS	CG-CD2-NE2	23.04	130.24	107.20
1	36	22	HIS	CG-CD2-NE2	23.04	130.24	107.20
1	4I	22	HIS	CG-CD2-NE2	23.04	130.24	107.20
1	4Q	22	HIS	CG-CD2-NE2	23.04	130.24	107.20
1	5Y	22	HIS	CG-CD2-NE2	23.04	130.24	107.20
1	6E	22	HIS	CG-CD2-NE2	23.04	130.24	107.20
1	6Y	22	HIS	CG-CD2-NE2	23.04	130.24	107.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	22	HIS	CG-CD2-NE2	23.04	130.24	107.20
1	7U	22	HIS	CG-CD2-NE2	23.04	130.24	107.20
1	1Q	22	HIS	CG-CD2-NE2	23.02	130.22	107.20
1	1U	22	HIS	CG-CD2-NE2	23.02	130.22	107.20
1	1Y	22	HIS	CG-CD2-NE2	23.02	130.22	107.20
1	2Q	22	HIS	CG-CD2-NE2	23.02	130.22	107.20
1	2U	22	HIS	CG-CD2-NE2	23.02	130.22	107.20
1	2Y	22	HIS	CG-CD2-NE2	23.02	130.22	107.20
1	42	22	HIS	CG-CD2-NE2	23.02	130.22	107.20
1	46	22	HIS	CG-CD2-NE2	23.02	130.22	107.20
1	5A	22	HIS	CG-CD2-NE2	23.02	130.22	107.20
1	52	22	HIS	CG-CD2-NE2	23.02	130.22	107.20
1	56	22	HIS	CG-CD2-NE2	23.02	130.22	107.20
1	6A	22	HIS	CG-CD2-NE2	23.02	130.22	107.20
1	1A	22	HIS	CG-CD2-NE2	22.95	130.16	107.20
1	1I	22	HIS	CG-CD2-NE2	22.95	130.16	107.20
1	2E	22	HIS	CG-CD2-NE2	22.95	130.16	107.20
1	26	22	HIS	CG-CD2-NE2	22.95	130.16	107.20
1	3E	22	HIS	CG-CD2-NE2	22.95	130.16	107.20
1	4A	22	HIS	CG-CD2-NE2	22.95	130.16	107.20
1	4M	22	HIS	CG-CD2-NE2	22.95	130.16	107.20
1	4U	22	HIS	CG-CD2-NE2	22.95	130.16	107.20
1	5Q	22	HIS	CG-CD2-NE2	22.95	130.16	107.20
1	6I	22	HIS	CG-CD2-NE2	22.95	130.16	107.20
1	6Q	22	HIS	CG-CD2-NE2	22.95	130.16	107.20
1	7M	22	HIS	CG-CD2-NE2	22.95	130.16	107.20
1	1M	22	HIS	CG-CD2-NE2	22.94	130.14	107.20
1	2I	22	HIS	CG-CD2-NE2	22.94	130.14	107.20
1	3A	22	HIS	CG-CD2-NE2	22.94	130.14	107.20
1	3I	22	HIS	CG-CD2-NE2	22.94	130.14	107.20
1	32	22	HIS	CG-CD2-NE2	22.94	130.14	107.20
1	4E	22	HIS	CG-CD2-NE2	22.94	130.14	107.20
1	4Y	22	HIS	CG-CD2-NE2	22.94	130.14	107.20
1	5U	22	HIS	CG-CD2-NE2	22.94	130.14	107.20
1	6M	22	HIS	CG-CD2-NE2	22.94	130.14	107.20
1	6U	22	HIS	CG-CD2-NE2	22.94	130.14	107.20
1	7E	22	HIS	CG-CD2-NE2	22.94	130.14	107.20
1	7Q	22	HIS	CG-CD2-NE2	22.94	130.14	107.20
1	12	22	HIS	CG-CD2-NE2	22.93	130.13	107.20
2	13	24	PRO	O-C-N	-22.93	91.69	122.64
1	16	22	HIS	CG-CD2-NE2	22.93	130.13	107.20
2	17	24	PRO	O-C-N	-22.93	91.69	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	22	HIS	CG-CD2-NE2	22.93	130.13	107.20
2	2B	24	PRO	O-C-N	-22.93	91.69	122.64
1	3Q	22	HIS	CG-CD2-NE2	22.93	130.13	107.20
2	3R	24	PRO	O-C-N	-22.93	91.69	122.64
1	3U	22	HIS	CG-CD2-NE2	22.93	130.13	107.20
2	3V	24	PRO	O-C-N	-22.93	91.69	122.64
1	3Y	22	HIS	CG-CD2-NE2	22.93	130.13	107.20
2	3Z	24	PRO	O-C-N	-22.93	91.69	122.64
1	5E	22	HIS	CG-CD2-NE2	22.93	130.13	107.20
2	5F	24	PRO	O-C-N	-22.93	91.69	122.64
1	5I	22	HIS	CG-CD2-NE2	22.93	130.13	107.20
2	5J	24	PRO	O-C-N	-22.93	91.69	122.64
1	5M	22	HIS	CG-CD2-NE2	22.93	130.13	107.20
2	5N	24	PRO	O-C-N	-22.93	91.69	122.64
1	62	22	HIS	CG-CD2-NE2	22.93	130.13	107.20
2	63	24	PRO	O-C-N	-22.93	91.69	122.64
1	66	22	HIS	CG-CD2-NE2	22.93	130.13	107.20
2	67	24	PRO	O-C-N	-22.93	91.69	122.64
1	7A	22	HIS	CG-CD2-NE2	22.93	130.13	107.20
2	7B	24	PRO	O-C-N	-22.93	91.69	122.64
2	1N	24	PRO	O-C-N	-22.92	91.70	122.64
2	2J	24	PRO	O-C-N	-22.92	91.70	122.64
2	3B	24	PRO	O-C-N	-22.92	91.70	122.64
2	3J	24	PRO	O-C-N	-22.92	91.70	122.64
2	33	24	PRO	O-C-N	-22.92	91.70	122.64
2	4F	24	PRO	O-C-N	-22.92	91.70	122.64
2	4Z	24	PRO	O-C-N	-22.92	91.70	122.64
2	5V	24	PRO	O-C-N	-22.92	91.70	122.64
2	6N	24	PRO	O-C-N	-22.92	91.70	122.64
2	6V	24	PRO	O-C-N	-22.92	91.70	122.64
2	7F	24	PRO	O-C-N	-22.92	91.70	122.64
2	7R	24	PRO	O-C-N	-22.92	91.70	122.64
2	1B	24	PRO	O-C-N	-22.91	91.71	122.64
2	1J	24	PRO	O-C-N	-22.91	91.71	122.64
2	2F	24	PRO	O-C-N	-22.91	91.71	122.64
2	27	24	PRO	O-C-N	-22.91	91.71	122.64
2	3F	24	PRO	O-C-N	-22.91	91.71	122.64
2	4B	24	PRO	O-C-N	-22.91	91.71	122.64
2	4N	24	PRO	O-C-N	-22.91	91.71	122.64
2	4V	24	PRO	O-C-N	-22.91	91.71	122.64
2	5R	24	PRO	O-C-N	-22.91	91.71	122.64
2	6J	24	PRO	O-C-N	-22.91	91.71	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	24	PRO	O-C-N	-22.91	91.71	122.64
2	7N	24	PRO	O-C-N	-22.91	91.71	122.64
2	13	74	TYR	CG-CD2-CE2	-22.90	86.84	121.20
2	17	74	TYR	CG-CD2-CE2	-22.90	86.84	121.20
2	2B	74	TYR	CG-CD2-CE2	-22.90	86.84	121.20
2	3R	74	TYR	CG-CD2-CE2	-22.90	86.84	121.20
2	3V	74	TYR	CG-CD2-CE2	-22.90	86.84	121.20
2	3Z	74	TYR	CG-CD2-CE2	-22.90	86.84	121.20
2	5F	74	TYR	CG-CD2-CE2	-22.90	86.84	121.20
2	5J	74	TYR	CG-CD2-CE2	-22.90	86.84	121.20
2	5N	74	TYR	CG-CD2-CE2	-22.90	86.84	121.20
2	63	74	TYR	CG-CD2-CE2	-22.90	86.84	121.20
2	67	74	TYR	CG-CD2-CE2	-22.90	86.84	121.20
2	7B	74	TYR	CG-CD2-CE2	-22.90	86.84	121.20
2	1R	24	PRO	O-C-N	-22.89	91.75	122.64
2	1V	24	PRO	O-C-N	-22.89	91.75	122.64
2	1Z	24	PRO	O-C-N	-22.89	91.75	122.64
2	2R	24	PRO	O-C-N	-22.89	91.75	122.64
2	2V	24	PRO	O-C-N	-22.89	91.75	122.64
2	2Z	24	PRO	O-C-N	-22.89	91.75	122.64
2	43	24	PRO	O-C-N	-22.89	91.75	122.64
2	47	24	PRO	O-C-N	-22.89	91.75	122.64
2	5B	24	PRO	O-C-N	-22.89	91.75	122.64
2	53	24	PRO	O-C-N	-22.89	91.75	122.64
2	57	24	PRO	O-C-N	-22.89	91.75	122.64
2	6B	24	PRO	O-C-N	-22.89	91.75	122.64
2	1F	24	PRO	O-C-N	-22.88	91.75	122.64
2	2N	24	PRO	O-C-N	-22.88	91.75	122.64
2	23	24	PRO	O-C-N	-22.88	91.75	122.64
2	3N	24	PRO	O-C-N	-22.88	91.75	122.64
2	37	24	PRO	O-C-N	-22.88	91.75	122.64
2	4J	24	PRO	O-C-N	-22.88	91.75	122.64
2	4R	24	PRO	O-C-N	-22.88	91.75	122.64
2	5Z	24	PRO	O-C-N	-22.88	91.75	122.64
2	6F	24	PRO	O-C-N	-22.88	91.75	122.64
2	6Z	24	PRO	O-C-N	-22.88	91.75	122.64
2	7J	24	PRO	O-C-N	-22.88	91.75	122.64
2	7V	24	PRO	O-C-N	-22.88	91.75	122.64
2	1B	74	TYR	CG-CD2-CE2	-22.87	86.89	121.20
2	1J	74	TYR	CG-CD2-CE2	-22.87	86.89	121.20
2	2F	74	TYR	CG-CD2-CE2	-22.87	86.89	121.20
2	27	74	TYR	CG-CD2-CE2	-22.87	86.89	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	74	TYR	CG-CD2-CE2	-22.87	86.89	121.20
2	4B	74	TYR	CG-CD2-CE2	-22.87	86.89	121.20
2	4N	74	TYR	CG-CD2-CE2	-22.87	86.89	121.20
2	4V	74	TYR	CG-CD2-CE2	-22.87	86.89	121.20
2	5R	74	TYR	CG-CD2-CE2	-22.87	86.89	121.20
2	6J	74	TYR	CG-CD2-CE2	-22.87	86.89	121.20
2	6R	74	TYR	CG-CD2-CE2	-22.87	86.89	121.20
2	7N	74	TYR	CG-CD2-CE2	-22.87	86.89	121.20
2	1F	74	TYR	CG-CD2-CE2	-22.87	86.90	121.20
2	2N	74	TYR	CG-CD2-CE2	-22.87	86.90	121.20
2	23	74	TYR	CG-CD2-CE2	-22.87	86.90	121.20
2	3N	74	TYR	CG-CD2-CE2	-22.87	86.90	121.20
2	37	74	TYR	CG-CD2-CE2	-22.87	86.90	121.20
2	4J	74	TYR	CG-CD2-CE2	-22.87	86.90	121.20
2	4R	74	TYR	CG-CD2-CE2	-22.87	86.90	121.20
2	5Z	74	TYR	CG-CD2-CE2	-22.87	86.90	121.20
2	6F	74	TYR	CG-CD2-CE2	-22.87	86.90	121.20
2	6Z	74	TYR	CG-CD2-CE2	-22.87	86.90	121.20
2	7J	74	TYR	CG-CD2-CE2	-22.87	86.90	121.20
2	7V	74	TYR	CG-CD2-CE2	-22.87	86.90	121.20
2	1R	74	TYR	CG-CD2-CE2	-22.86	86.92	121.20
2	1V	74	TYR	CG-CD2-CE2	-22.86	86.92	121.20
2	1Z	74	TYR	CG-CD2-CE2	-22.86	86.92	121.20
2	2R	74	TYR	CG-CD2-CE2	-22.86	86.92	121.20
2	2V	74	TYR	CG-CD2-CE2	-22.86	86.92	121.20
2	2Z	74	TYR	CG-CD2-CE2	-22.86	86.92	121.20
2	43	74	TYR	CG-CD2-CE2	-22.86	86.92	121.20
2	47	74	TYR	CG-CD2-CE2	-22.86	86.92	121.20
2	5B	74	TYR	CG-CD2-CE2	-22.86	86.92	121.20
2	53	74	TYR	CG-CD2-CE2	-22.86	86.92	121.20
2	57	74	TYR	CG-CD2-CE2	-22.86	86.92	121.20
2	6B	74	TYR	CG-CD2-CE2	-22.86	86.92	121.20
2	1N	74	TYR	CG-CD2-CE2	-22.82	86.97	121.20
2	2J	74	TYR	CG-CD2-CE2	-22.82	86.97	121.20
2	3B	74	TYR	CG-CD2-CE2	-22.82	86.97	121.20
2	3J	74	TYR	CG-CD2-CE2	-22.82	86.97	121.20
2	33	74	TYR	CG-CD2-CE2	-22.82	86.97	121.20
2	4F	74	TYR	CG-CD2-CE2	-22.82	86.97	121.20
2	4Z	74	TYR	CG-CD2-CE2	-22.82	86.97	121.20
2	5V	74	TYR	CG-CD2-CE2	-22.82	86.97	121.20
2	6N	74	TYR	CG-CD2-CE2	-22.82	86.97	121.20
2	6V	74	TYR	CG-CD2-CE2	-22.82	86.97	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	74	TYR	CG-CD2-CE2	-22.82	86.97	121.20
2	7R	74	TYR	CG-CD2-CE2	-22.82	86.97	121.20
1	1Q	82	ARG	O-C-N	-22.76	103.99	120.83
1	1U	82	ARG	O-C-N	-22.76	103.99	120.83
1	1Y	82	ARG	O-C-N	-22.76	103.99	120.83
1	2Q	82	ARG	O-C-N	-22.76	103.99	120.83
1	2U	82	ARG	O-C-N	-22.76	103.99	120.83
1	2Y	82	ARG	O-C-N	-22.76	103.99	120.83
1	42	82	ARG	O-C-N	-22.76	103.99	120.83
1	46	82	ARG	O-C-N	-22.76	103.99	120.83
1	5A	82	ARG	O-C-N	-22.76	103.99	120.83
1	52	82	ARG	O-C-N	-22.76	103.99	120.83
1	56	82	ARG	O-C-N	-22.76	103.99	120.83
1	6A	82	ARG	O-C-N	-22.76	103.99	120.83
1	1E	82	ARG	O-C-N	-22.75	104.00	120.83
1	2M	82	ARG	O-C-N	-22.75	104.00	120.83
1	22	82	ARG	O-C-N	-22.75	104.00	120.83
1	3M	82	ARG	O-C-N	-22.75	104.00	120.83
1	36	82	ARG	O-C-N	-22.75	104.00	120.83
1	4I	82	ARG	O-C-N	-22.75	104.00	120.83
1	4Q	82	ARG	O-C-N	-22.75	104.00	120.83
1	5Y	82	ARG	O-C-N	-22.75	104.00	120.83
1	6E	82	ARG	O-C-N	-22.75	104.00	120.83
1	6Y	82	ARG	O-C-N	-22.75	104.00	120.83
1	7I	82	ARG	O-C-N	-22.75	104.00	120.83
1	7U	82	ARG	O-C-N	-22.75	104.00	120.83
1	1M	169	ASP	CA-C-O	-22.73	94.97	120.43
1	2I	169	ASP	CA-C-O	-22.73	94.97	120.43
1	3A	169	ASP	CA-C-O	-22.73	94.97	120.43
1	3I	169	ASP	CA-C-O	-22.73	94.97	120.43
1	32	169	ASP	CA-C-O	-22.73	94.97	120.43
1	4E	169	ASP	CA-C-O	-22.73	94.97	120.43
1	4Y	169	ASP	CA-C-O	-22.73	94.97	120.43
1	5U	169	ASP	CA-C-O	-22.73	94.97	120.43
1	6M	169	ASP	CA-C-O	-22.73	94.97	120.43
1	6U	169	ASP	CA-C-O	-22.73	94.97	120.43
1	7E	169	ASP	CA-C-O	-22.73	94.97	120.43
1	7Q	169	ASP	CA-C-O	-22.73	94.97	120.43
1	1M	82	ARG	O-C-N	-22.73	104.01	120.83
1	1Q	169	ASP	CA-C-O	-22.73	94.97	120.43
1	1U	169	ASP	CA-C-O	-22.73	94.97	120.43
1	1Y	169	ASP	CA-C-O	-22.73	94.97	120.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	82	ARG	O-C-N	-22.73	104.01	120.83
1	2Q	169	ASP	CA-C-O	-22.73	94.97	120.43
1	2U	169	ASP	CA-C-O	-22.73	94.97	120.43
1	2Y	169	ASP	CA-C-O	-22.73	94.97	120.43
1	3A	82	ARG	O-C-N	-22.73	104.01	120.83
1	3I	82	ARG	O-C-N	-22.73	104.01	120.83
1	32	82	ARG	O-C-N	-22.73	104.01	120.83
1	4E	82	ARG	O-C-N	-22.73	104.01	120.83
1	4Y	82	ARG	O-C-N	-22.73	104.01	120.83
1	42	169	ASP	CA-C-O	-22.73	94.97	120.43
1	46	169	ASP	CA-C-O	-22.73	94.97	120.43
1	5A	169	ASP	CA-C-O	-22.73	94.97	120.43
1	5U	82	ARG	O-C-N	-22.73	104.01	120.83
1	52	169	ASP	CA-C-O	-22.73	94.97	120.43
1	56	169	ASP	CA-C-O	-22.73	94.97	120.43
1	6A	169	ASP	CA-C-O	-22.73	94.97	120.43
1	6M	82	ARG	O-C-N	-22.73	104.01	120.83
1	6U	82	ARG	O-C-N	-22.73	104.01	120.83
1	7E	82	ARG	O-C-N	-22.73	104.01	120.83
1	7Q	82	ARG	O-C-N	-22.73	104.01	120.83
1	1A	82	ARG	O-C-N	-22.72	104.02	120.83
1	1I	82	ARG	O-C-N	-22.72	104.02	120.83
1	2E	82	ARG	O-C-N	-22.72	104.02	120.83
1	26	82	ARG	O-C-N	-22.72	104.02	120.83
1	3E	82	ARG	O-C-N	-22.72	104.02	120.83
1	4A	82	ARG	O-C-N	-22.72	104.02	120.83
1	4M	82	ARG	O-C-N	-22.72	104.02	120.83
1	4U	82	ARG	O-C-N	-22.72	104.02	120.83
1	5Q	82	ARG	O-C-N	-22.72	104.02	120.83
1	6I	82	ARG	O-C-N	-22.72	104.02	120.83
1	6Q	82	ARG	O-C-N	-22.72	104.02	120.83
1	7M	82	ARG	O-C-N	-22.72	104.02	120.83
1	1E	30	PHE	CB-CG-CD2	-22.71	82.08	120.70
1	2M	30	PHE	CB-CG-CD2	-22.71	82.08	120.70
1	22	30	PHE	CB-CG-CD2	-22.71	82.08	120.70
1	3M	30	PHE	CB-CG-CD2	-22.71	82.08	120.70
1	36	30	PHE	CB-CG-CD2	-22.71	82.08	120.70
1	4I	30	PHE	CB-CG-CD2	-22.71	82.08	120.70
1	4Q	30	PHE	CB-CG-CD2	-22.71	82.08	120.70
1	5Y	30	PHE	CB-CG-CD2	-22.71	82.08	120.70
1	6E	30	PHE	CB-CG-CD2	-22.71	82.08	120.70
1	6Y	30	PHE	CB-CG-CD2	-22.71	82.08	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	30	PHE	CB-CG-CD2	-22.71	82.08	120.70
1	7U	30	PHE	CB-CG-CD2	-22.71	82.08	120.70
1	1E	169	ASP	CA-C-O	-22.71	94.99	120.43
1	2M	169	ASP	CA-C-O	-22.71	94.99	120.43
1	22	169	ASP	CA-C-O	-22.71	94.99	120.43
1	3M	169	ASP	CA-C-O	-22.71	94.99	120.43
1	36	169	ASP	CA-C-O	-22.71	94.99	120.43
1	4I	169	ASP	CA-C-O	-22.71	94.99	120.43
1	4Q	169	ASP	CA-C-O	-22.71	94.99	120.43
1	5Y	169	ASP	CA-C-O	-22.71	94.99	120.43
1	6E	169	ASP	CA-C-O	-22.71	94.99	120.43
1	6Y	169	ASP	CA-C-O	-22.71	94.99	120.43
1	7I	169	ASP	CA-C-O	-22.71	94.99	120.43
1	7U	169	ASP	CA-C-O	-22.71	94.99	120.43
1	1Q	30	PHE	CB-CG-CD2	-22.71	82.09	120.70
1	1U	30	PHE	CB-CG-CD2	-22.71	82.09	120.70
1	1Y	30	PHE	CB-CG-CD2	-22.71	82.09	120.70
1	2Q	30	PHE	CB-CG-CD2	-22.71	82.09	120.70
1	2U	30	PHE	CB-CG-CD2	-22.71	82.09	120.70
1	2Y	30	PHE	CB-CG-CD2	-22.71	82.09	120.70
1	42	30	PHE	CB-CG-CD2	-22.71	82.09	120.70
1	46	30	PHE	CB-CG-CD2	-22.71	82.09	120.70
1	5A	30	PHE	CB-CG-CD2	-22.71	82.09	120.70
1	52	30	PHE	CB-CG-CD2	-22.71	82.09	120.70
1	56	30	PHE	CB-CG-CD2	-22.71	82.09	120.70
1	6A	30	PHE	CB-CG-CD2	-22.71	82.09	120.70
2	1F	108	HIS	CA-CB-CG	22.71	136.51	113.80
2	2N	108	HIS	CA-CB-CG	22.71	136.51	113.80
2	23	108	HIS	CA-CB-CG	22.71	136.51	113.80
2	3N	108	HIS	CA-CB-CG	22.71	136.51	113.80
2	37	108	HIS	CA-CB-CG	22.71	136.51	113.80
2	4J	108	HIS	CA-CB-CG	22.71	136.51	113.80
2	4R	108	HIS	CA-CB-CG	22.71	136.51	113.80
2	5Z	108	HIS	CA-CB-CG	22.71	136.51	113.80
2	6F	108	HIS	CA-CB-CG	22.71	136.51	113.80
2	6Z	108	HIS	CA-CB-CG	22.71	136.51	113.80
2	7J	108	HIS	CA-CB-CG	22.71	136.51	113.80
2	7V	108	HIS	CA-CB-CG	22.71	136.51	113.80
1	1A	30	PHE	CB-CG-CD2	-22.71	82.10	120.70
1	1I	30	PHE	CB-CG-CD2	-22.71	82.10	120.70
1	2E	30	PHE	CB-CG-CD2	-22.71	82.10	120.70
1	26	30	PHE	CB-CG-CD2	-22.71	82.10	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	30	PHE	CB-CG-CD2	-22.71	82.10	120.70
1	4A	30	PHE	CB-CG-CD2	-22.71	82.10	120.70
1	4M	30	PHE	CB-CG-CD2	-22.71	82.10	120.70
1	4U	30	PHE	CB-CG-CD2	-22.71	82.10	120.70
1	5Q	30	PHE	CB-CG-CD2	-22.71	82.10	120.70
1	6I	30	PHE	CB-CG-CD2	-22.71	82.10	120.70
1	6Q	30	PHE	CB-CG-CD2	-22.71	82.10	120.70
1	7M	30	PHE	CB-CG-CD2	-22.71	82.10	120.70
1	1A	169	ASP	CA-C-O	-22.70	95.00	120.43
1	1I	169	ASP	CA-C-O	-22.70	95.00	120.43
2	1N	58	LEU	N-CA-C	22.70	159.16	110.80
1	2E	169	ASP	CA-C-O	-22.70	95.00	120.43
2	2J	58	LEU	N-CA-C	22.70	159.16	110.80
1	26	169	ASP	CA-C-O	-22.70	95.00	120.43
2	3B	58	LEU	N-CA-C	22.70	159.16	110.80
1	3E	169	ASP	CA-C-O	-22.70	95.00	120.43
2	3J	58	LEU	N-CA-C	22.70	159.16	110.80
2	33	58	LEU	N-CA-C	22.70	159.16	110.80
1	4A	169	ASP	CA-C-O	-22.70	95.00	120.43
2	4F	58	LEU	N-CA-C	22.70	159.16	110.80
1	4M	169	ASP	CA-C-O	-22.70	95.00	120.43
1	4U	169	ASP	CA-C-O	-22.70	95.00	120.43
2	4Z	58	LEU	N-CA-C	22.70	159.16	110.80
1	5Q	169	ASP	CA-C-O	-22.70	95.00	120.43
2	5V	58	LEU	N-CA-C	22.70	159.16	110.80
1	6I	169	ASP	CA-C-O	-22.70	95.00	120.43
2	6N	58	LEU	N-CA-C	22.70	159.16	110.80
1	6Q	169	ASP	CA-C-O	-22.70	95.00	120.43
2	6V	58	LEU	N-CA-C	22.70	159.16	110.80
2	7F	58	LEU	N-CA-C	22.70	159.16	110.80
1	7M	169	ASP	CA-C-O	-22.70	95.00	120.43
2	7R	58	LEU	N-CA-C	22.70	159.16	110.80
1	12	82	ARG	O-C-N	-22.70	104.03	120.83
1	16	82	ARG	O-C-N	-22.70	104.03	120.83
1	2A	82	ARG	O-C-N	-22.70	104.03	120.83
1	3Q	82	ARG	O-C-N	-22.70	104.03	120.83
1	3U	82	ARG	O-C-N	-22.70	104.03	120.83
1	3Y	82	ARG	O-C-N	-22.70	104.03	120.83
1	5E	82	ARG	O-C-N	-22.70	104.03	120.83
1	5I	82	ARG	O-C-N	-22.70	104.03	120.83
1	5M	82	ARG	O-C-N	-22.70	104.03	120.83
1	62	82	ARG	O-C-N	-22.70	104.03	120.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	82	ARG	O-C-N	-22.70	104.03	120.83
1	7A	82	ARG	O-C-N	-22.70	104.03	120.83
1	12	169	ASP	CA-C-O	-22.70	95.01	120.43
1	16	169	ASP	CA-C-O	-22.70	95.01	120.43
1	2A	169	ASP	CA-C-O	-22.70	95.01	120.43
1	3Q	169	ASP	CA-C-O	-22.70	95.01	120.43
1	3U	169	ASP	CA-C-O	-22.70	95.01	120.43
1	3Y	169	ASP	CA-C-O	-22.70	95.01	120.43
1	5E	169	ASP	CA-C-O	-22.70	95.01	120.43
1	5I	169	ASP	CA-C-O	-22.70	95.01	120.43
1	5M	169	ASP	CA-C-O	-22.70	95.01	120.43
1	62	169	ASP	CA-C-O	-22.70	95.01	120.43
1	66	169	ASP	CA-C-O	-22.70	95.01	120.43
1	7A	169	ASP	CA-C-O	-22.70	95.01	120.43
2	1F	58	LEU	N-CA-C	22.69	159.13	110.80
2	2N	58	LEU	N-CA-C	22.69	159.13	110.80
2	23	58	LEU	N-CA-C	22.69	159.13	110.80
2	3N	58	LEU	N-CA-C	22.69	159.13	110.80
2	37	58	LEU	N-CA-C	22.69	159.13	110.80
2	4J	58	LEU	N-CA-C	22.69	159.13	110.80
2	4R	58	LEU	N-CA-C	22.69	159.13	110.80
2	5Z	58	LEU	N-CA-C	22.69	159.13	110.80
2	6F	58	LEU	N-CA-C	22.69	159.13	110.80
2	6Z	58	LEU	N-CA-C	22.69	159.13	110.80
2	7J	58	LEU	N-CA-C	22.69	159.13	110.80
2	7V	58	LEU	N-CA-C	22.69	159.13	110.80
2	1B	58	LEU	N-CA-C	22.68	159.12	110.80
2	1J	58	LEU	N-CA-C	22.68	159.12	110.80
2	2F	58	LEU	N-CA-C	22.68	159.12	110.80
2	27	58	LEU	N-CA-C	22.68	159.12	110.80
2	3F	58	LEU	N-CA-C	22.68	159.12	110.80
2	4B	58	LEU	N-CA-C	22.68	159.12	110.80
2	4N	58	LEU	N-CA-C	22.68	159.12	110.80
2	4V	58	LEU	N-CA-C	22.68	159.12	110.80
2	5R	58	LEU	N-CA-C	22.68	159.12	110.80
2	6J	58	LEU	N-CA-C	22.68	159.12	110.80
2	6R	58	LEU	N-CA-C	22.68	159.12	110.80
2	7N	58	LEU	N-CA-C	22.68	159.12	110.80
1	12	30	PHE	CB-CG-CD2	-22.68	82.14	120.70
1	16	30	PHE	CB-CG-CD2	-22.68	82.14	120.70
1	2A	30	PHE	CB-CG-CD2	-22.68	82.14	120.70
1	3Q	30	PHE	CB-CG-CD2	-22.68	82.14	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	30	PHE	CB-CG-CD2	-22.68	82.14	120.70
1	3Y	30	PHE	CB-CG-CD2	-22.68	82.14	120.70
1	5E	30	PHE	CB-CG-CD2	-22.68	82.14	120.70
1	5I	30	PHE	CB-CG-CD2	-22.68	82.14	120.70
1	5M	30	PHE	CB-CG-CD2	-22.68	82.14	120.70
1	62	30	PHE	CB-CG-CD2	-22.68	82.14	120.70
1	66	30	PHE	CB-CG-CD2	-22.68	82.14	120.70
1	7A	30	PHE	CB-CG-CD2	-22.68	82.14	120.70
2	1B	108	HIS	CA-CB-CG	22.68	136.47	113.80
2	1J	108	HIS	CA-CB-CG	22.68	136.47	113.80
1	1M	30	PHE	CB-CG-CD2	-22.68	82.15	120.70
2	2F	108	HIS	CA-CB-CG	22.68	136.47	113.80
1	2I	30	PHE	CB-CG-CD2	-22.68	82.15	120.70
2	27	108	HIS	CA-CB-CG	22.68	136.47	113.80
1	3A	30	PHE	CB-CG-CD2	-22.68	82.15	120.70
2	3F	108	HIS	CA-CB-CG	22.68	136.47	113.80
1	3I	30	PHE	CB-CG-CD2	-22.68	82.15	120.70
1	32	30	PHE	CB-CG-CD2	-22.68	82.15	120.70
2	4B	108	HIS	CA-CB-CG	22.68	136.47	113.80
1	4E	30	PHE	CB-CG-CD2	-22.68	82.15	120.70
2	4N	108	HIS	CA-CB-CG	22.68	136.47	113.80
2	4V	108	HIS	CA-CB-CG	22.68	136.47	113.80
1	4Y	30	PHE	CB-CG-CD2	-22.68	82.15	120.70
2	5R	108	HIS	CA-CB-CG	22.68	136.47	113.80
1	5U	30	PHE	CB-CG-CD2	-22.68	82.15	120.70
2	6J	108	HIS	CA-CB-CG	22.68	136.47	113.80
1	6M	30	PHE	CB-CG-CD2	-22.68	82.15	120.70
2	6R	108	HIS	CA-CB-CG	22.68	136.47	113.80
1	6U	30	PHE	CB-CG-CD2	-22.68	82.15	120.70
1	7E	30	PHE	CB-CG-CD2	-22.68	82.15	120.70
2	7N	108	HIS	CA-CB-CG	22.68	136.47	113.80
1	7Q	30	PHE	CB-CG-CD2	-22.68	82.15	120.70
2	1R	58	LEU	N-CA-C	22.67	159.10	110.80
2	1V	58	LEU	N-CA-C	22.67	159.10	110.80
2	1Z	58	LEU	N-CA-C	22.67	159.10	110.80
2	13	58	LEU	N-CA-C	22.67	159.09	110.80
2	17	58	LEU	N-CA-C	22.67	159.09	110.80
2	2B	58	LEU	N-CA-C	22.67	159.09	110.80
2	2R	58	LEU	N-CA-C	22.67	159.10	110.80
2	2V	58	LEU	N-CA-C	22.67	159.10	110.80
2	2Z	58	LEU	N-CA-C	22.67	159.10	110.80
2	3R	58	LEU	N-CA-C	22.67	159.09	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	58	LEU	N-CA-C	22.67	159.09	110.80
2	3Z	58	LEU	N-CA-C	22.67	159.09	110.80
2	43	58	LEU	N-CA-C	22.67	159.10	110.80
2	47	58	LEU	N-CA-C	22.67	159.10	110.80
2	5B	58	LEU	N-CA-C	22.67	159.10	110.80
2	5F	58	LEU	N-CA-C	22.67	159.09	110.80
2	5J	58	LEU	N-CA-C	22.67	159.09	110.80
2	5N	58	LEU	N-CA-C	22.67	159.09	110.80
2	53	58	LEU	N-CA-C	22.67	159.10	110.80
2	57	58	LEU	N-CA-C	22.67	159.10	110.80
2	6B	58	LEU	N-CA-C	22.67	159.10	110.80
2	63	58	LEU	N-CA-C	22.67	159.09	110.80
2	67	58	LEU	N-CA-C	22.67	159.09	110.80
2	7B	58	LEU	N-CA-C	22.67	159.09	110.80
2	1N	108	HIS	CA-CB-CG	22.67	136.47	113.80
2	2J	108	HIS	CA-CB-CG	22.67	136.47	113.80
2	3B	108	HIS	CA-CB-CG	22.67	136.47	113.80
2	3J	108	HIS	CA-CB-CG	22.67	136.47	113.80
2	33	108	HIS	CA-CB-CG	22.67	136.47	113.80
2	4F	108	HIS	CA-CB-CG	22.67	136.47	113.80
2	4Z	108	HIS	CA-CB-CG	22.67	136.47	113.80
2	5V	108	HIS	CA-CB-CG	22.67	136.47	113.80
2	6N	108	HIS	CA-CB-CG	22.67	136.47	113.80
2	6V	108	HIS	CA-CB-CG	22.67	136.47	113.80
2	7F	108	HIS	CA-CB-CG	22.67	136.47	113.80
2	7R	108	HIS	CA-CB-CG	22.67	136.47	113.80
2	13	108	HIS	CA-CB-CG	22.66	136.46	113.80
2	17	108	HIS	CA-CB-CG	22.66	136.46	113.80
2	2B	108	HIS	CA-CB-CG	22.66	136.46	113.80
2	3R	108	HIS	CA-CB-CG	22.66	136.46	113.80
2	3V	108	HIS	CA-CB-CG	22.66	136.46	113.80
2	3Z	108	HIS	CA-CB-CG	22.66	136.46	113.80
2	5F	108	HIS	CA-CB-CG	22.66	136.46	113.80
2	5J	108	HIS	CA-CB-CG	22.66	136.46	113.80
2	5N	108	HIS	CA-CB-CG	22.66	136.46	113.80
2	63	108	HIS	CA-CB-CG	22.66	136.46	113.80
2	67	108	HIS	CA-CB-CG	22.66	136.46	113.80
2	7B	108	HIS	CA-CB-CG	22.66	136.46	113.80
2	1R	108	HIS	CA-CB-CG	22.65	136.45	113.80
2	1V	108	HIS	CA-CB-CG	22.65	136.45	113.80
2	1Z	108	HIS	CA-CB-CG	22.65	136.45	113.80
2	2R	108	HIS	CA-CB-CG	22.65	136.45	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	108	HIS	CA-CB-CG	22.65	136.45	113.80
2	2Z	108	HIS	CA-CB-CG	22.65	136.45	113.80
2	43	108	HIS	CA-CB-CG	22.65	136.45	113.80
2	47	108	HIS	CA-CB-CG	22.65	136.45	113.80
2	5B	108	HIS	CA-CB-CG	22.65	136.45	113.80
2	53	108	HIS	CA-CB-CG	22.65	136.45	113.80
2	57	108	HIS	CA-CB-CG	22.65	136.45	113.80
2	6B	108	HIS	CA-CB-CG	22.65	136.45	113.80
2	1N	47	ASP	CA-CB-CG	22.55	135.15	112.60
2	2J	47	ASP	CA-CB-CG	22.55	135.15	112.60
2	3B	47	ASP	CA-CB-CG	22.55	135.15	112.60
2	3J	47	ASP	CA-CB-CG	22.55	135.15	112.60
2	33	47	ASP	CA-CB-CG	22.55	135.15	112.60
2	4F	47	ASP	CA-CB-CG	22.55	135.15	112.60
2	4Z	47	ASP	CA-CB-CG	22.55	135.15	112.60
2	5V	47	ASP	CA-CB-CG	22.55	135.15	112.60
2	6N	47	ASP	CA-CB-CG	22.55	135.15	112.60
2	6V	47	ASP	CA-CB-CG	22.55	135.15	112.60
2	7F	47	ASP	CA-CB-CG	22.55	135.15	112.60
2	7R	47	ASP	CA-CB-CG	22.55	135.15	112.60
2	1R	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	1V	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	1Z	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	2R	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	2V	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	2Z	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	43	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	47	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	5B	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	53	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	57	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	6B	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	13	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	17	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	2B	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	3R	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	3V	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	3Z	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	5F	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	5J	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	5N	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	63	47	ASP	CA-CB-CG	22.52	135.12	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	7B	47	ASP	CA-CB-CG	22.52	135.12	112.60
2	1B	47	ASP	CA-CB-CG	22.51	135.11	112.60
2	1J	47	ASP	CA-CB-CG	22.51	135.11	112.60
2	2F	47	ASP	CA-CB-CG	22.51	135.11	112.60
2	27	47	ASP	CA-CB-CG	22.51	135.11	112.60
2	3F	47	ASP	CA-CB-CG	22.51	135.11	112.60
2	4B	47	ASP	CA-CB-CG	22.51	135.11	112.60
2	4N	47	ASP	CA-CB-CG	22.51	135.11	112.60
2	4V	47	ASP	CA-CB-CG	22.51	135.11	112.60
2	5R	47	ASP	CA-CB-CG	22.51	135.11	112.60
2	6J	47	ASP	CA-CB-CG	22.51	135.11	112.60
2	6R	47	ASP	CA-CB-CG	22.51	135.11	112.60
2	7N	47	ASP	CA-CB-CG	22.51	135.11	112.60
1	1E	65	PHE	CB-CG-CD1	-22.51	82.44	120.70
1	2M	65	PHE	CB-CG-CD1	-22.51	82.44	120.70
1	22	65	PHE	CB-CG-CD1	-22.51	82.44	120.70
1	3M	65	PHE	CB-CG-CD1	-22.51	82.44	120.70
1	36	65	PHE	CB-CG-CD1	-22.51	82.44	120.70
1	4I	65	PHE	CB-CG-CD1	-22.51	82.44	120.70
1	4Q	65	PHE	CB-CG-CD1	-22.51	82.44	120.70
1	5Y	65	PHE	CB-CG-CD1	-22.51	82.44	120.70
1	6E	65	PHE	CB-CG-CD1	-22.51	82.44	120.70
1	6Y	65	PHE	CB-CG-CD1	-22.51	82.44	120.70
1	7I	65	PHE	CB-CG-CD1	-22.51	82.44	120.70
1	7U	65	PHE	CB-CG-CD1	-22.51	82.44	120.70
1	1A	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	1I	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	1M	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	2E	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	2I	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	26	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	3A	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	3E	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	3I	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	32	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	4A	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	4E	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	4M	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	4U	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	4Y	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	5Q	65	PHE	CB-CG-CD1	-22.50	82.45	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5U	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	6I	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	6M	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	6Q	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	6U	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	7E	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	7M	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	7Q	65	PHE	CB-CG-CD1	-22.50	82.45	120.70
1	12	65	PHE	CB-CG-CD1	-22.49	82.47	120.70
1	16	65	PHE	CB-CG-CD1	-22.49	82.47	120.70
1	2A	65	PHE	CB-CG-CD1	-22.49	82.47	120.70
1	3Q	65	PHE	CB-CG-CD1	-22.49	82.47	120.70
1	3U	65	PHE	CB-CG-CD1	-22.49	82.47	120.70
1	3Y	65	PHE	CB-CG-CD1	-22.49	82.47	120.70
1	5E	65	PHE	CB-CG-CD1	-22.49	82.47	120.70
1	5I	65	PHE	CB-CG-CD1	-22.49	82.47	120.70
1	5M	65	PHE	CB-CG-CD1	-22.49	82.47	120.70
1	62	65	PHE	CB-CG-CD1	-22.49	82.47	120.70
1	66	65	PHE	CB-CG-CD1	-22.49	82.47	120.70
1	7A	65	PHE	CB-CG-CD1	-22.49	82.47	120.70
2	1F	47	ASP	CA-CB-CG	22.49	135.09	112.60
2	2N	47	ASP	CA-CB-CG	22.49	135.09	112.60
2	23	47	ASP	CA-CB-CG	22.49	135.09	112.60
2	3N	47	ASP	CA-CB-CG	22.49	135.09	112.60
2	37	47	ASP	CA-CB-CG	22.49	135.09	112.60
2	4J	47	ASP	CA-CB-CG	22.49	135.09	112.60
2	4R	47	ASP	CA-CB-CG	22.49	135.09	112.60
2	5Z	47	ASP	CA-CB-CG	22.49	135.09	112.60
2	6F	47	ASP	CA-CB-CG	22.49	135.09	112.60
2	6Z	47	ASP	CA-CB-CG	22.49	135.09	112.60
2	7J	47	ASP	CA-CB-CG	22.49	135.09	112.60
2	7V	47	ASP	CA-CB-CG	22.49	135.09	112.60
1	1Q	65	PHE	CB-CG-CD1	-22.48	82.48	120.70
1	1U	65	PHE	CB-CG-CD1	-22.48	82.48	120.70
1	1Y	65	PHE	CB-CG-CD1	-22.48	82.48	120.70
1	2Q	65	PHE	CB-CG-CD1	-22.48	82.48	120.70
1	2U	65	PHE	CB-CG-CD1	-22.48	82.48	120.70
1	2Y	65	PHE	CB-CG-CD1	-22.48	82.48	120.70
1	42	65	PHE	CB-CG-CD1	-22.48	82.48	120.70
1	46	65	PHE	CB-CG-CD1	-22.48	82.48	120.70
1	5A	65	PHE	CB-CG-CD1	-22.48	82.48	120.70
1	52	65	PHE	CB-CG-CD1	-22.48	82.48	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	65	PHE	CB-CG-CD1	-22.48	82.48	120.70
1	6A	65	PHE	CB-CG-CD1	-22.48	82.48	120.70
1	1A	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	1I	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	2E	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	26	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	3E	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	4A	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	4M	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	4U	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	5Q	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	6I	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	6Q	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	7M	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	1M	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	2I	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	3A	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	3I	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	32	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	4E	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	4Y	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	5U	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	6M	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	6U	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	7E	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	7Q	90	PHE	CG-CD2-CE2	-22.48	82.49	120.70
1	1E	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	2M	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	22	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	3M	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	36	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	4I	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	4Q	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	5Y	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	6E	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	6Y	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	7I	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	7U	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	12	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	16	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	2A	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	3Q	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	3Y	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	5E	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	5I	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	5M	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	62	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	66	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	7A	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	1Q	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	1U	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	1Y	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	2Q	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	2U	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	2Y	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	42	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	46	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	5A	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	52	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	56	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
1	6A	90	PHE	CG-CD2-CE2	-22.47	82.50	120.70
2	13	23	HIS	CE1-NE2-CD2	-22.37	86.63	109.00
2	17	23	HIS	CE1-NE2-CD2	-22.37	86.63	109.00
2	2B	23	HIS	CE1-NE2-CD2	-22.37	86.63	109.00
2	3R	23	HIS	CE1-NE2-CD2	-22.37	86.63	109.00
2	3V	23	HIS	CE1-NE2-CD2	-22.37	86.63	109.00
2	3Z	23	HIS	CE1-NE2-CD2	-22.37	86.63	109.00
2	5F	23	HIS	CE1-NE2-CD2	-22.37	86.63	109.00
2	5J	23	HIS	CE1-NE2-CD2	-22.37	86.63	109.00
2	5N	23	HIS	CE1-NE2-CD2	-22.37	86.63	109.00
2	63	23	HIS	CE1-NE2-CD2	-22.37	86.63	109.00
2	67	23	HIS	CE1-NE2-CD2	-22.37	86.63	109.00
2	7B	23	HIS	CE1-NE2-CD2	-22.37	86.63	109.00
2	1F	23	HIS	CE1-NE2-CD2	-22.35	86.65	109.00
2	2N	23	HIS	CE1-NE2-CD2	-22.35	86.65	109.00
2	23	23	HIS	CE1-NE2-CD2	-22.35	86.65	109.00
2	3N	23	HIS	CE1-NE2-CD2	-22.35	86.65	109.00
2	37	23	HIS	CE1-NE2-CD2	-22.35	86.65	109.00
2	4J	23	HIS	CE1-NE2-CD2	-22.35	86.65	109.00
2	4R	23	HIS	CE1-NE2-CD2	-22.35	86.65	109.00
2	5Z	23	HIS	CE1-NE2-CD2	-22.35	86.65	109.00
2	6F	23	HIS	CE1-NE2-CD2	-22.35	86.65	109.00
2	6Z	23	HIS	CE1-NE2-CD2	-22.35	86.65	109.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	23	HIS	CE1-NE2-CD2	-22.35	86.65	109.00
2	7V	23	HIS	CE1-NE2-CD2	-22.35	86.65	109.00
2	1B	23	HIS	CE1-NE2-CD2	-22.33	86.67	109.00
2	1J	23	HIS	CE1-NE2-CD2	-22.33	86.67	109.00
2	2F	23	HIS	CE1-NE2-CD2	-22.33	86.67	109.00
2	27	23	HIS	CE1-NE2-CD2	-22.33	86.67	109.00
2	3F	23	HIS	CE1-NE2-CD2	-22.33	86.67	109.00
2	4B	23	HIS	CE1-NE2-CD2	-22.33	86.67	109.00
2	4N	23	HIS	CE1-NE2-CD2	-22.33	86.67	109.00
2	4V	23	HIS	CE1-NE2-CD2	-22.33	86.67	109.00
2	5R	23	HIS	CE1-NE2-CD2	-22.33	86.67	109.00
2	6J	23	HIS	CE1-NE2-CD2	-22.33	86.67	109.00
2	6R	23	HIS	CE1-NE2-CD2	-22.33	86.67	109.00
2	7N	23	HIS	CE1-NE2-CD2	-22.33	86.67	109.00
2	1N	23	HIS	CE1-NE2-CD2	-22.32	86.68	109.00
2	2J	23	HIS	CE1-NE2-CD2	-22.32	86.68	109.00
2	3B	23	HIS	CE1-NE2-CD2	-22.32	86.68	109.00
2	3J	23	HIS	CE1-NE2-CD2	-22.32	86.68	109.00
2	33	23	HIS	CE1-NE2-CD2	-22.32	86.68	109.00
2	4F	23	HIS	CE1-NE2-CD2	-22.32	86.68	109.00
2	4Z	23	HIS	CE1-NE2-CD2	-22.32	86.68	109.00
2	5V	23	HIS	CE1-NE2-CD2	-22.32	86.68	109.00
2	6N	23	HIS	CE1-NE2-CD2	-22.32	86.68	109.00
2	6V	23	HIS	CE1-NE2-CD2	-22.32	86.68	109.00
2	7F	23	HIS	CE1-NE2-CD2	-22.32	86.68	109.00
2	7R	23	HIS	CE1-NE2-CD2	-22.32	86.68	109.00
2	1R	23	HIS	CE1-NE2-CD2	-22.32	86.69	109.00
2	1V	23	HIS	CE1-NE2-CD2	-22.32	86.69	109.00
2	1Z	23	HIS	CE1-NE2-CD2	-22.32	86.69	109.00
2	2R	23	HIS	CE1-NE2-CD2	-22.32	86.69	109.00
2	2V	23	HIS	CE1-NE2-CD2	-22.32	86.69	109.00
2	2Z	23	HIS	CE1-NE2-CD2	-22.32	86.69	109.00
2	43	23	HIS	CE1-NE2-CD2	-22.32	86.69	109.00
2	47	23	HIS	CE1-NE2-CD2	-22.32	86.69	109.00
2	5B	23	HIS	CE1-NE2-CD2	-22.32	86.69	109.00
2	53	23	HIS	CE1-NE2-CD2	-22.32	86.69	109.00
2	57	23	HIS	CE1-NE2-CD2	-22.32	86.69	109.00
2	6B	23	HIS	CE1-NE2-CD2	-22.32	86.69	109.00
1	1Q	78	SER	CB-CA-C	22.21	154.29	110.30
1	1U	78	SER	CB-CA-C	22.21	154.29	110.30
1	1Y	78	SER	CB-CA-C	22.21	154.29	110.30
1	12	78	SER	CB-CA-C	22.21	154.29	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16	78	SER	CB-CA-C	22.21	154.29	110.30
1	2A	78	SER	CB-CA-C	22.21	154.29	110.30
1	2Q	78	SER	CB-CA-C	22.21	154.29	110.30
1	2U	78	SER	CB-CA-C	22.21	154.29	110.30
1	2Y	78	SER	CB-CA-C	22.21	154.29	110.30
1	3Q	78	SER	CB-CA-C	22.21	154.29	110.30
1	3U	78	SER	CB-CA-C	22.21	154.29	110.30
1	3Y	78	SER	CB-CA-C	22.21	154.29	110.30
1	42	78	SER	CB-CA-C	22.21	154.29	110.30
1	46	78	SER	CB-CA-C	22.21	154.29	110.30
1	5A	78	SER	CB-CA-C	22.21	154.29	110.30
1	5E	78	SER	CB-CA-C	22.21	154.29	110.30
1	5I	78	SER	CB-CA-C	22.21	154.29	110.30
1	5M	78	SER	CB-CA-C	22.21	154.29	110.30
1	52	78	SER	CB-CA-C	22.21	154.29	110.30
1	56	78	SER	CB-CA-C	22.21	154.29	110.30
1	6A	78	SER	CB-CA-C	22.21	154.29	110.30
1	62	78	SER	CB-CA-C	22.21	154.29	110.30
1	66	78	SER	CB-CA-C	22.21	154.29	110.30
1	7A	78	SER	CB-CA-C	22.21	154.29	110.30
1	1M	78	SER	CB-CA-C	22.21	154.28	110.30
1	2I	78	SER	CB-CA-C	22.21	154.28	110.30
1	3A	78	SER	CB-CA-C	22.21	154.28	110.30
1	3I	78	SER	CB-CA-C	22.21	154.28	110.30
1	32	78	SER	CB-CA-C	22.21	154.28	110.30
1	4E	78	SER	CB-CA-C	22.21	154.28	110.30
1	4Y	78	SER	CB-CA-C	22.21	154.28	110.30
1	5U	78	SER	CB-CA-C	22.21	154.28	110.30
1	6M	78	SER	CB-CA-C	22.21	154.28	110.30
1	6U	78	SER	CB-CA-C	22.21	154.28	110.30
1	7E	78	SER	CB-CA-C	22.21	154.28	110.30
1	7Q	78	SER	CB-CA-C	22.21	154.28	110.30
1	1A	78	SER	CB-CA-C	22.21	154.28	110.30
1	1I	78	SER	CB-CA-C	22.21	154.28	110.30
1	2E	78	SER	CB-CA-C	22.21	154.28	110.30
1	26	78	SER	CB-CA-C	22.21	154.28	110.30
1	3E	78	SER	CB-CA-C	22.21	154.28	110.30
1	4A	78	SER	CB-CA-C	22.21	154.28	110.30
1	4M	78	SER	CB-CA-C	22.21	154.28	110.30
1	4U	78	SER	CB-CA-C	22.21	154.28	110.30
1	5Q	78	SER	CB-CA-C	22.21	154.28	110.30
1	6I	78	SER	CB-CA-C	22.21	154.28	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	78	SER	CB-CA-C	22.21	154.28	110.30
1	7M	78	SER	CB-CA-C	22.21	154.28	110.30
1	1E	78	SER	CB-CA-C	22.20	154.25	110.30
1	2M	78	SER	CB-CA-C	22.20	154.25	110.30
1	22	78	SER	CB-CA-C	22.20	154.25	110.30
1	3M	78	SER	CB-CA-C	22.20	154.25	110.30
1	36	78	SER	CB-CA-C	22.20	154.25	110.30
1	4I	78	SER	CB-CA-C	22.20	154.25	110.30
1	4Q	78	SER	CB-CA-C	22.20	154.25	110.30
1	5Y	78	SER	CB-CA-C	22.20	154.25	110.30
1	6E	78	SER	CB-CA-C	22.20	154.25	110.30
1	6Y	78	SER	CB-CA-C	22.20	154.25	110.30
1	7I	78	SER	CB-CA-C	22.20	154.25	110.30
1	7U	78	SER	CB-CA-C	22.20	154.25	110.30
1	12	13	ALA	CB-CA-C	22.18	154.55	110.42
1	16	13	ALA	CB-CA-C	22.18	154.55	110.42
1	2A	13	ALA	CB-CA-C	22.18	154.55	110.42
1	3Q	13	ALA	CB-CA-C	22.18	154.55	110.42
1	3U	13	ALA	CB-CA-C	22.18	154.55	110.42
1	3Y	13	ALA	CB-CA-C	22.18	154.55	110.42
1	5E	13	ALA	CB-CA-C	22.18	154.55	110.42
1	5I	13	ALA	CB-CA-C	22.18	154.55	110.42
1	5M	13	ALA	CB-CA-C	22.18	154.55	110.42
1	62	13	ALA	CB-CA-C	22.18	154.55	110.42
1	66	13	ALA	CB-CA-C	22.18	154.55	110.42
1	7A	13	ALA	CB-CA-C	22.18	154.55	110.42
1	1A	13	ALA	CB-CA-C	22.16	154.53	110.42
1	1I	13	ALA	CB-CA-C	22.16	154.53	110.42
1	2E	13	ALA	CB-CA-C	22.16	154.53	110.42
1	26	13	ALA	CB-CA-C	22.16	154.53	110.42
1	3E	13	ALA	CB-CA-C	22.16	154.53	110.42
1	4A	13	ALA	CB-CA-C	22.16	154.53	110.42
1	4M	13	ALA	CB-CA-C	22.16	154.53	110.42
1	4U	13	ALA	CB-CA-C	22.16	154.53	110.42
1	5Q	13	ALA	CB-CA-C	22.16	154.53	110.42
1	6I	13	ALA	CB-CA-C	22.16	154.53	110.42
1	6Q	13	ALA	CB-CA-C	22.16	154.53	110.42
1	7M	13	ALA	CB-CA-C	22.16	154.53	110.42
1	1E	13	ALA	CB-CA-C	22.16	154.51	110.42
1	2M	13	ALA	CB-CA-C	22.16	154.51	110.42
1	22	13	ALA	CB-CA-C	22.16	154.51	110.42
1	3M	13	ALA	CB-CA-C	22.16	154.51	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	13	ALA	CB-CA-C	22.16	154.51	110.42
1	4I	13	ALA	CB-CA-C	22.16	154.51	110.42
1	4Q	13	ALA	CB-CA-C	22.16	154.51	110.42
1	5Y	13	ALA	CB-CA-C	22.16	154.51	110.42
1	6E	13	ALA	CB-CA-C	22.16	154.51	110.42
1	6Y	13	ALA	CB-CA-C	22.16	154.51	110.42
1	7I	13	ALA	CB-CA-C	22.16	154.51	110.42
1	7U	13	ALA	CB-CA-C	22.16	154.51	110.42
1	1M	13	ALA	CB-CA-C	22.15	154.49	110.42
1	2I	13	ALA	CB-CA-C	22.15	154.49	110.42
1	3A	13	ALA	CB-CA-C	22.15	154.49	110.42
1	3I	13	ALA	CB-CA-C	22.15	154.49	110.42
1	32	13	ALA	CB-CA-C	22.15	154.49	110.42
1	4E	13	ALA	CB-CA-C	22.15	154.49	110.42
1	4Y	13	ALA	CB-CA-C	22.15	154.49	110.42
1	5U	13	ALA	CB-CA-C	22.15	154.49	110.42
1	6M	13	ALA	CB-CA-C	22.15	154.49	110.42
1	6U	13	ALA	CB-CA-C	22.15	154.49	110.42
1	7E	13	ALA	CB-CA-C	22.15	154.49	110.42
1	7Q	13	ALA	CB-CA-C	22.15	154.49	110.42
2	1N	42	HIS	CA-CB-CG	22.14	135.94	113.80
1	1Q	13	ALA	CB-CA-C	22.14	154.48	110.42
1	1U	13	ALA	CB-CA-C	22.14	154.48	110.42
1	1Y	13	ALA	CB-CA-C	22.14	154.48	110.42
2	2J	42	HIS	CA-CB-CG	22.14	135.94	113.80
1	2Q	13	ALA	CB-CA-C	22.14	154.48	110.42
1	2U	13	ALA	CB-CA-C	22.14	154.48	110.42
1	2Y	13	ALA	CB-CA-C	22.14	154.48	110.42
2	3B	42	HIS	CA-CB-CG	22.14	135.94	113.80
2	3J	42	HIS	CA-CB-CG	22.14	135.94	113.80
2	33	42	HIS	CA-CB-CG	22.14	135.94	113.80
2	4F	42	HIS	CA-CB-CG	22.14	135.94	113.80
2	4Z	42	HIS	CA-CB-CG	22.14	135.94	113.80
1	42	13	ALA	CB-CA-C	22.14	154.48	110.42
1	46	13	ALA	CB-CA-C	22.14	154.48	110.42
1	5A	13	ALA	CB-CA-C	22.14	154.48	110.42
2	5V	42	HIS	CA-CB-CG	22.14	135.94	113.80
1	52	13	ALA	CB-CA-C	22.14	154.48	110.42
1	56	13	ALA	CB-CA-C	22.14	154.48	110.42
1	6A	13	ALA	CB-CA-C	22.14	154.48	110.42
2	6N	42	HIS	CA-CB-CG	22.14	135.94	113.80
2	6V	42	HIS	CA-CB-CG	22.14	135.94	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	42	HIS	CA-CB-CG	22.14	135.94	113.80
2	7R	42	HIS	CA-CB-CG	22.14	135.94	113.80
2	13	42	HIS	CA-CB-CG	22.12	135.93	113.80
2	17	42	HIS	CA-CB-CG	22.12	135.93	113.80
2	2B	42	HIS	CA-CB-CG	22.12	135.93	113.80
2	3R	42	HIS	CA-CB-CG	22.12	135.93	113.80
2	3V	42	HIS	CA-CB-CG	22.12	135.93	113.80
2	3Z	42	HIS	CA-CB-CG	22.12	135.93	113.80
2	5F	42	HIS	CA-CB-CG	22.12	135.93	113.80
2	5J	42	HIS	CA-CB-CG	22.12	135.93	113.80
2	5N	42	HIS	CA-CB-CG	22.12	135.93	113.80
2	63	42	HIS	CA-CB-CG	22.12	135.93	113.80
2	67	42	HIS	CA-CB-CG	22.12	135.93	113.80
2	7B	42	HIS	CA-CB-CG	22.12	135.93	113.80
2	1F	42	HIS	CA-CB-CG	22.12	135.92	113.80
2	2N	42	HIS	CA-CB-CG	22.12	135.92	113.80
2	23	42	HIS	CA-CB-CG	22.12	135.92	113.80
2	3N	42	HIS	CA-CB-CG	22.12	135.92	113.80
2	37	42	HIS	CA-CB-CG	22.12	135.92	113.80
2	4J	42	HIS	CA-CB-CG	22.12	135.92	113.80
2	4R	42	HIS	CA-CB-CG	22.12	135.92	113.80
2	5Z	42	HIS	CA-CB-CG	22.12	135.92	113.80
2	6F	42	HIS	CA-CB-CG	22.12	135.92	113.80
2	6Z	42	HIS	CA-CB-CG	22.12	135.92	113.80
2	7J	42	HIS	CA-CB-CG	22.12	135.92	113.80
2	7V	42	HIS	CA-CB-CG	22.12	135.92	113.80
2	1R	42	HIS	CA-CB-CG	22.09	135.89	113.80
2	1V	42	HIS	CA-CB-CG	22.09	135.89	113.80
2	1Z	42	HIS	CA-CB-CG	22.09	135.89	113.80
2	2R	42	HIS	CA-CB-CG	22.09	135.89	113.80
2	2V	42	HIS	CA-CB-CG	22.09	135.89	113.80
2	2Z	42	HIS	CA-CB-CG	22.09	135.89	113.80
2	43	42	HIS	CA-CB-CG	22.09	135.89	113.80
2	47	42	HIS	CA-CB-CG	22.09	135.89	113.80
2	5B	42	HIS	CA-CB-CG	22.09	135.89	113.80
2	53	42	HIS	CA-CB-CG	22.09	135.89	113.80
2	57	42	HIS	CA-CB-CG	22.09	135.89	113.80
2	6B	42	HIS	CA-CB-CG	22.09	135.89	113.80
2	13	46	TYR	CG-CD2-CE2	-22.09	88.07	121.20
2	17	46	TYR	CG-CD2-CE2	-22.09	88.07	121.20
2	2B	46	TYR	CG-CD2-CE2	-22.09	88.07	121.20
2	3R	46	TYR	CG-CD2-CE2	-22.09	88.07	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	46	TYR	CG-CD2-CE2	-22.09	88.07	121.20
2	3Z	46	TYR	CG-CD2-CE2	-22.09	88.07	121.20
2	5F	46	TYR	CG-CD2-CE2	-22.09	88.07	121.20
2	5J	46	TYR	CG-CD2-CE2	-22.09	88.07	121.20
2	5N	46	TYR	CG-CD2-CE2	-22.09	88.07	121.20
2	63	46	TYR	CG-CD2-CE2	-22.09	88.07	121.20
2	67	46	TYR	CG-CD2-CE2	-22.09	88.07	121.20
2	7B	46	TYR	CG-CD2-CE2	-22.09	88.07	121.20
2	1F	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	2N	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	23	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	3N	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	37	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	4J	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	4R	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	5Z	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	6F	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	6Z	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	7J	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	7V	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	1B	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	1J	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	2F	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	27	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	3F	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	4B	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	4N	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	4V	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	5R	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	6J	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	6R	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	7N	46	TYR	CG-CD2-CE2	-22.08	88.08	121.20
2	1B	42	HIS	CA-CB-CG	22.07	135.87	113.80
2	1J	42	HIS	CA-CB-CG	22.07	135.87	113.80
2	2F	42	HIS	CA-CB-CG	22.07	135.87	113.80
2	27	42	HIS	CA-CB-CG	22.07	135.87	113.80
2	3F	42	HIS	CA-CB-CG	22.07	135.87	113.80
2	4B	42	HIS	CA-CB-CG	22.07	135.87	113.80
2	4N	42	HIS	CA-CB-CG	22.07	135.87	113.80
2	4V	42	HIS	CA-CB-CG	22.07	135.87	113.80
2	5R	42	HIS	CA-CB-CG	22.07	135.87	113.80
2	6J	42	HIS	CA-CB-CG	22.07	135.87	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	42	HIS	CA-CB-CG	22.07	135.87	113.80
2	7N	42	HIS	CA-CB-CG	22.07	135.87	113.80
2	1N	46	TYR	CG-CD2-CE2	-22.07	88.09	121.20
2	2J	46	TYR	CG-CD2-CE2	-22.07	88.09	121.20
2	3B	46	TYR	CG-CD2-CE2	-22.07	88.09	121.20
2	3J	46	TYR	CG-CD2-CE2	-22.07	88.09	121.20
2	33	46	TYR	CG-CD2-CE2	-22.07	88.09	121.20
2	4F	46	TYR	CG-CD2-CE2	-22.07	88.09	121.20
2	4Z	46	TYR	CG-CD2-CE2	-22.07	88.09	121.20
2	5V	46	TYR	CG-CD2-CE2	-22.07	88.09	121.20
2	6N	46	TYR	CG-CD2-CE2	-22.07	88.09	121.20
2	6V	46	TYR	CG-CD2-CE2	-22.07	88.09	121.20
2	7F	46	TYR	CG-CD2-CE2	-22.07	88.09	121.20
2	7R	46	TYR	CG-CD2-CE2	-22.07	88.09	121.20
2	1R	46	TYR	CG-CD2-CE2	-22.05	88.13	121.20
2	1V	46	TYR	CG-CD2-CE2	-22.05	88.13	121.20
2	1Z	46	TYR	CG-CD2-CE2	-22.05	88.13	121.20
2	2R	46	TYR	CG-CD2-CE2	-22.05	88.13	121.20
2	2V	46	TYR	CG-CD2-CE2	-22.05	88.13	121.20
2	2Z	46	TYR	CG-CD2-CE2	-22.05	88.13	121.20
2	43	46	TYR	CG-CD2-CE2	-22.05	88.13	121.20
2	47	46	TYR	CG-CD2-CE2	-22.05	88.13	121.20
2	5B	46	TYR	CG-CD2-CE2	-22.05	88.13	121.20
2	53	46	TYR	CG-CD2-CE2	-22.05	88.13	121.20
2	57	46	TYR	CG-CD2-CE2	-22.05	88.13	121.20
2	6B	46	TYR	CG-CD2-CE2	-22.05	88.13	121.20
2	13	78	HIS	ND1-CE1-NE2	21.76	130.16	108.40
2	17	78	HIS	ND1-CE1-NE2	21.76	130.16	108.40
2	2B	78	HIS	ND1-CE1-NE2	21.76	130.16	108.40
2	3R	78	HIS	ND1-CE1-NE2	21.76	130.16	108.40
2	3V	78	HIS	ND1-CE1-NE2	21.76	130.16	108.40
2	3Z	78	HIS	ND1-CE1-NE2	21.76	130.16	108.40
2	5F	78	HIS	ND1-CE1-NE2	21.76	130.16	108.40
2	5J	78	HIS	ND1-CE1-NE2	21.76	130.16	108.40
2	5N	78	HIS	ND1-CE1-NE2	21.76	130.16	108.40
2	63	78	HIS	ND1-CE1-NE2	21.76	130.16	108.40
2	67	78	HIS	ND1-CE1-NE2	21.76	130.16	108.40
2	7B	78	HIS	ND1-CE1-NE2	21.76	130.16	108.40
2	1B	78	HIS	ND1-CE1-NE2	21.74	130.14	108.40
2	1J	78	HIS	ND1-CE1-NE2	21.74	130.14	108.40
2	2F	78	HIS	ND1-CE1-NE2	21.74	130.14	108.40
2	27	78	HIS	ND1-CE1-NE2	21.74	130.14	108.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	78	HIS	ND1-CE1-NE2	21.74	130.14	108.40
2	4B	78	HIS	ND1-CE1-NE2	21.74	130.14	108.40
2	4N	78	HIS	ND1-CE1-NE2	21.74	130.14	108.40
2	4V	78	HIS	ND1-CE1-NE2	21.74	130.14	108.40
2	5R	78	HIS	ND1-CE1-NE2	21.74	130.14	108.40
2	6J	78	HIS	ND1-CE1-NE2	21.74	130.14	108.40
2	6R	78	HIS	ND1-CE1-NE2	21.74	130.14	108.40
2	7N	78	HIS	ND1-CE1-NE2	21.74	130.14	108.40
2	1N	78	HIS	ND1-CE1-NE2	21.70	130.10	108.40
2	2J	78	HIS	ND1-CE1-NE2	21.70	130.10	108.40
2	3B	78	HIS	ND1-CE1-NE2	21.70	130.10	108.40
2	3J	78	HIS	ND1-CE1-NE2	21.70	130.10	108.40
2	33	78	HIS	ND1-CE1-NE2	21.70	130.10	108.40
2	4F	78	HIS	ND1-CE1-NE2	21.70	130.10	108.40
2	4Z	78	HIS	ND1-CE1-NE2	21.70	130.10	108.40
2	5V	78	HIS	ND1-CE1-NE2	21.70	130.10	108.40
2	6N	78	HIS	ND1-CE1-NE2	21.70	130.10	108.40
2	6V	78	HIS	ND1-CE1-NE2	21.70	130.10	108.40
2	7F	78	HIS	ND1-CE1-NE2	21.70	130.10	108.40
2	7R	78	HIS	ND1-CE1-NE2	21.70	130.10	108.40
2	1R	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	1V	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	1Z	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	2R	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	2V	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	2Z	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	43	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	47	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	5B	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	53	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	57	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	6B	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	1F	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	2N	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	23	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	3N	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	37	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	4J	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	4R	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	5Z	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	6F	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	6Z	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
2	7V	78	HIS	ND1-CE1-NE2	21.69	130.09	108.40
1	1E	17	THR	CB-CA-C	21.63	152.78	110.17
1	2M	17	THR	CB-CA-C	21.63	152.78	110.17
1	22	17	THR	CB-CA-C	21.63	152.78	110.17
1	3M	17	THR	CB-CA-C	21.63	152.78	110.17
1	36	17	THR	CB-CA-C	21.63	152.78	110.17
1	4I	17	THR	CB-CA-C	21.63	152.78	110.17
1	4Q	17	THR	CB-CA-C	21.63	152.78	110.17
1	5Y	17	THR	CB-CA-C	21.63	152.78	110.17
1	6E	17	THR	CB-CA-C	21.63	152.78	110.17
1	6Y	17	THR	CB-CA-C	21.63	152.78	110.17
1	7I	17	THR	CB-CA-C	21.63	152.78	110.17
1	7U	17	THR	CB-CA-C	21.63	152.78	110.17
1	1M	17	THR	CB-CA-C	21.62	152.77	110.17
1	2I	17	THR	CB-CA-C	21.62	152.77	110.17
1	3A	17	THR	CB-CA-C	21.62	152.77	110.17
1	3I	17	THR	CB-CA-C	21.62	152.77	110.17
1	32	17	THR	CB-CA-C	21.62	152.77	110.17
1	4E	17	THR	CB-CA-C	21.62	152.77	110.17
1	4Y	17	THR	CB-CA-C	21.62	152.77	110.17
1	5U	17	THR	CB-CA-C	21.62	152.77	110.17
1	6M	17	THR	CB-CA-C	21.62	152.77	110.17
1	6U	17	THR	CB-CA-C	21.62	152.77	110.17
1	7E	17	THR	CB-CA-C	21.62	152.77	110.17
1	7Q	17	THR	CB-CA-C	21.62	152.77	110.17
1	1A	17	THR	CB-CA-C	21.62	152.76	110.17
1	1I	17	THR	CB-CA-C	21.62	152.76	110.17
1	2E	17	THR	CB-CA-C	21.62	152.76	110.17
1	26	17	THR	CB-CA-C	21.62	152.76	110.17
1	3E	17	THR	CB-CA-C	21.62	152.76	110.17
1	4A	17	THR	CB-CA-C	21.62	152.76	110.17
1	4M	17	THR	CB-CA-C	21.62	152.76	110.17
1	4U	17	THR	CB-CA-C	21.62	152.76	110.17
1	5Q	17	THR	CB-CA-C	21.62	152.76	110.17
1	6I	17	THR	CB-CA-C	21.62	152.76	110.17
1	6Q	17	THR	CB-CA-C	21.62	152.76	110.17
1	7M	17	THR	CB-CA-C	21.62	152.76	110.17
2	1F	215	GLN	O-C-N	21.61	148.94	122.35
2	2N	215	GLN	O-C-N	21.61	148.94	122.35
2	23	215	GLN	O-C-N	21.61	148.94	122.35
2	3N	215	GLN	O-C-N	21.61	148.94	122.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	215	GLN	O-C-N	21.61	148.94	122.35
2	4J	215	GLN	O-C-N	21.61	148.94	122.35
2	4R	215	GLN	O-C-N	21.61	148.94	122.35
2	5Z	215	GLN	O-C-N	21.61	148.94	122.35
2	6F	215	GLN	O-C-N	21.61	148.94	122.35
2	6Z	215	GLN	O-C-N	21.61	148.94	122.35
2	7J	215	GLN	O-C-N	21.61	148.94	122.35
2	7V	215	GLN	O-C-N	21.61	148.94	122.35
2	1R	215	GLN	O-C-N	21.61	148.93	122.35
2	1V	215	GLN	O-C-N	21.61	148.93	122.35
2	1Z	215	GLN	O-C-N	21.61	148.93	122.35
2	2R	215	GLN	O-C-N	21.61	148.93	122.35
2	2V	215	GLN	O-C-N	21.61	148.93	122.35
2	2Z	215	GLN	O-C-N	21.61	148.93	122.35
2	43	215	GLN	O-C-N	21.61	148.93	122.35
2	47	215	GLN	O-C-N	21.61	148.93	122.35
2	5B	215	GLN	O-C-N	21.61	148.93	122.35
2	53	215	GLN	O-C-N	21.61	148.93	122.35
2	57	215	GLN	O-C-N	21.61	148.93	122.35
2	6B	215	GLN	O-C-N	21.61	148.93	122.35
2	1B	215	GLN	O-C-N	21.61	148.93	122.35
2	1J	215	GLN	O-C-N	21.61	148.93	122.35
2	2F	215	GLN	O-C-N	21.61	148.93	122.35
2	27	215	GLN	O-C-N	21.61	148.93	122.35
2	3F	215	GLN	O-C-N	21.61	148.93	122.35
2	4B	215	GLN	O-C-N	21.61	148.93	122.35
2	4N	215	GLN	O-C-N	21.61	148.93	122.35
2	4V	215	GLN	O-C-N	21.61	148.93	122.35
2	5R	215	GLN	O-C-N	21.61	148.93	122.35
2	6J	215	GLN	O-C-N	21.61	148.93	122.35
2	6R	215	GLN	O-C-N	21.61	148.93	122.35
2	7N	215	GLN	O-C-N	21.61	148.93	122.35
2	1N	215	GLN	O-C-N	21.59	148.91	122.35
2	2J	215	GLN	O-C-N	21.59	148.91	122.35
2	3B	215	GLN	O-C-N	21.59	148.91	122.35
2	3J	215	GLN	O-C-N	21.59	148.91	122.35
2	33	215	GLN	O-C-N	21.59	148.91	122.35
2	4F	215	GLN	O-C-N	21.59	148.91	122.35
2	4Z	215	GLN	O-C-N	21.59	148.91	122.35
2	5V	215	GLN	O-C-N	21.59	148.91	122.35
2	6N	215	GLN	O-C-N	21.59	148.91	122.35
2	6V	215	GLN	O-C-N	21.59	148.91	122.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	215	GLN	O-C-N	21.59	148.91	122.35
2	7R	215	GLN	O-C-N	21.59	148.91	122.35
1	12	17	THR	CB-CA-C	21.59	152.70	110.17
1	16	17	THR	CB-CA-C	21.59	152.70	110.17
1	2A	17	THR	CB-CA-C	21.59	152.70	110.17
1	3Q	17	THR	CB-CA-C	21.59	152.70	110.17
1	3U	17	THR	CB-CA-C	21.59	152.70	110.17
1	3Y	17	THR	CB-CA-C	21.59	152.70	110.17
1	5E	17	THR	CB-CA-C	21.59	152.70	110.17
1	5I	17	THR	CB-CA-C	21.59	152.70	110.17
1	5M	17	THR	CB-CA-C	21.59	152.70	110.17
1	62	17	THR	CB-CA-C	21.59	152.70	110.17
1	66	17	THR	CB-CA-C	21.59	152.70	110.17
1	7A	17	THR	CB-CA-C	21.59	152.70	110.17
2	13	215	GLN	O-C-N	21.59	148.90	122.35
2	17	215	GLN	O-C-N	21.59	148.90	122.35
2	2B	215	GLN	O-C-N	21.59	148.90	122.35
2	3R	215	GLN	O-C-N	21.59	148.90	122.35
2	3V	215	GLN	O-C-N	21.59	148.90	122.35
2	3Z	215	GLN	O-C-N	21.59	148.90	122.35
2	5F	215	GLN	O-C-N	21.59	148.90	122.35
2	5J	215	GLN	O-C-N	21.59	148.90	122.35
2	5N	215	GLN	O-C-N	21.59	148.90	122.35
2	63	215	GLN	O-C-N	21.59	148.90	122.35
2	67	215	GLN	O-C-N	21.59	148.90	122.35
2	7B	215	GLN	O-C-N	21.59	148.90	122.35
1	1Q	17	THR	CB-CA-C	21.58	152.69	110.17
1	1U	17	THR	CB-CA-C	21.58	152.69	110.17
1	1Y	17	THR	CB-CA-C	21.58	152.69	110.17
1	2Q	17	THR	CB-CA-C	21.58	152.69	110.17
1	2U	17	THR	CB-CA-C	21.58	152.69	110.17
1	2Y	17	THR	CB-CA-C	21.58	152.69	110.17
1	42	17	THR	CB-CA-C	21.58	152.69	110.17
1	46	17	THR	CB-CA-C	21.58	152.69	110.17
1	5A	17	THR	CB-CA-C	21.58	152.69	110.17
1	52	17	THR	CB-CA-C	21.58	152.69	110.17
1	56	17	THR	CB-CA-C	21.58	152.69	110.17
1	6A	17	THR	CB-CA-C	21.58	152.69	110.17
2	1R	75	GLN	O-C-N	21.58	150.93	123.10
2	1V	75	GLN	O-C-N	21.58	150.93	123.10
2	1Z	75	GLN	O-C-N	21.58	150.93	123.10
2	2R	75	GLN	O-C-N	21.58	150.93	123.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	75	GLN	O-C-N	21.58	150.93	123.10
2	2Z	75	GLN	O-C-N	21.58	150.93	123.10
2	43	75	GLN	O-C-N	21.58	150.93	123.10
2	47	75	GLN	O-C-N	21.58	150.93	123.10
2	5B	75	GLN	O-C-N	21.58	150.93	123.10
2	53	75	GLN	O-C-N	21.58	150.93	123.10
2	57	75	GLN	O-C-N	21.58	150.93	123.10
2	6B	75	GLN	O-C-N	21.58	150.93	123.10
2	1B	75	GLN	O-C-N	21.56	150.91	123.10
2	1J	75	GLN	O-C-N	21.56	150.91	123.10
2	2F	75	GLN	O-C-N	21.56	150.91	123.10
2	27	75	GLN	O-C-N	21.56	150.91	123.10
2	3F	75	GLN	O-C-N	21.56	150.91	123.10
2	4B	75	GLN	O-C-N	21.56	150.91	123.10
2	4N	75	GLN	O-C-N	21.56	150.91	123.10
2	4V	75	GLN	O-C-N	21.56	150.91	123.10
2	5R	75	GLN	O-C-N	21.56	150.91	123.10
2	6J	75	GLN	O-C-N	21.56	150.91	123.10
2	6R	75	GLN	O-C-N	21.56	150.91	123.10
2	7N	75	GLN	O-C-N	21.56	150.91	123.10
2	13	75	GLN	O-C-N	21.54	150.89	123.10
2	17	75	GLN	O-C-N	21.54	150.89	123.10
2	2B	75	GLN	O-C-N	21.54	150.89	123.10
2	3R	75	GLN	O-C-N	21.54	150.89	123.10
2	3V	75	GLN	O-C-N	21.54	150.89	123.10
2	3Z	75	GLN	O-C-N	21.54	150.89	123.10
2	5F	75	GLN	O-C-N	21.54	150.89	123.10
2	5J	75	GLN	O-C-N	21.54	150.89	123.10
2	5N	75	GLN	O-C-N	21.54	150.89	123.10
2	63	75	GLN	O-C-N	21.54	150.89	123.10
2	67	75	GLN	O-C-N	21.54	150.89	123.10
2	7B	75	GLN	O-C-N	21.54	150.89	123.10
2	1F	75	GLN	O-C-N	21.51	150.85	123.10
2	2N	75	GLN	O-C-N	21.51	150.85	123.10
2	23	75	GLN	O-C-N	21.51	150.85	123.10
2	3N	75	GLN	O-C-N	21.51	150.85	123.10
2	37	75	GLN	O-C-N	21.51	150.85	123.10
2	4J	75	GLN	O-C-N	21.51	150.85	123.10
2	4R	75	GLN	O-C-N	21.51	150.85	123.10
2	5Z	75	GLN	O-C-N	21.51	150.85	123.10
2	6F	75	GLN	O-C-N	21.51	150.85	123.10
2	6Z	75	GLN	O-C-N	21.51	150.85	123.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	75	GLN	O-C-N	21.51	150.85	123.10
2	7V	75	GLN	O-C-N	21.51	150.85	123.10
2	1N	75	GLN	O-C-N	21.51	150.84	123.10
2	2J	75	GLN	O-C-N	21.51	150.84	123.10
2	3B	75	GLN	O-C-N	21.51	150.84	123.10
2	3J	75	GLN	O-C-N	21.51	150.84	123.10
2	33	75	GLN	O-C-N	21.51	150.84	123.10
2	4F	75	GLN	O-C-N	21.51	150.84	123.10
2	4Z	75	GLN	O-C-N	21.51	150.84	123.10
2	5V	75	GLN	O-C-N	21.51	150.84	123.10
2	6N	75	GLN	O-C-N	21.51	150.84	123.10
2	6V	75	GLN	O-C-N	21.51	150.84	123.10
2	7F	75	GLN	O-C-N	21.51	150.84	123.10
2	7R	75	GLN	O-C-N	21.51	150.84	123.10
2	13	35	PHE	CB-CA-C	-21.39	70.09	110.51
2	17	35	PHE	CB-CA-C	-21.39	70.09	110.51
2	2B	35	PHE	CB-CA-C	-21.39	70.09	110.51
2	3R	35	PHE	CB-CA-C	-21.39	70.09	110.51
2	3V	35	PHE	CB-CA-C	-21.39	70.09	110.51
2	3Z	35	PHE	CB-CA-C	-21.39	70.09	110.51
2	5F	35	PHE	CB-CA-C	-21.39	70.09	110.51
2	5J	35	PHE	CB-CA-C	-21.39	70.09	110.51
2	5N	35	PHE	CB-CA-C	-21.39	70.09	110.51
2	63	35	PHE	CB-CA-C	-21.39	70.09	110.51
2	67	35	PHE	CB-CA-C	-21.39	70.09	110.51
2	7B	35	PHE	CB-CA-C	-21.39	70.09	110.51
2	1B	35	PHE	CB-CA-C	-21.38	70.10	110.51
2	1J	35	PHE	CB-CA-C	-21.38	70.10	110.51
2	2F	35	PHE	CB-CA-C	-21.38	70.10	110.51
2	27	35	PHE	CB-CA-C	-21.38	70.10	110.51
2	3F	35	PHE	CB-CA-C	-21.38	70.10	110.51
2	4B	35	PHE	CB-CA-C	-21.38	70.10	110.51
2	4N	35	PHE	CB-CA-C	-21.38	70.10	110.51
2	4V	35	PHE	CB-CA-C	-21.38	70.10	110.51
2	5R	35	PHE	CB-CA-C	-21.38	70.10	110.51
2	6J	35	PHE	CB-CA-C	-21.38	70.10	110.51
2	6R	35	PHE	CB-CA-C	-21.38	70.10	110.51
2	7N	35	PHE	CB-CA-C	-21.38	70.10	110.51
2	1R	35	PHE	CB-CA-C	-21.38	70.11	110.51
2	1V	35	PHE	CB-CA-C	-21.38	70.11	110.51
2	1Z	35	PHE	CB-CA-C	-21.38	70.11	110.51
2	2R	35	PHE	CB-CA-C	-21.38	70.11	110.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	35	PHE	CB-CA-C	-21.38	70.11	110.51
2	2Z	35	PHE	CB-CA-C	-21.38	70.11	110.51
2	43	35	PHE	CB-CA-C	-21.38	70.11	110.51
2	47	35	PHE	CB-CA-C	-21.38	70.11	110.51
2	5B	35	PHE	CB-CA-C	-21.38	70.11	110.51
2	53	35	PHE	CB-CA-C	-21.38	70.11	110.51
2	57	35	PHE	CB-CA-C	-21.38	70.11	110.51
2	6B	35	PHE	CB-CA-C	-21.38	70.11	110.51
2	1N	35	PHE	CB-CA-C	-21.37	70.11	110.51
2	2J	35	PHE	CB-CA-C	-21.37	70.11	110.51
2	3B	35	PHE	CB-CA-C	-21.37	70.11	110.51
2	3J	35	PHE	CB-CA-C	-21.37	70.11	110.51
2	33	35	PHE	CB-CA-C	-21.37	70.11	110.51
2	4F	35	PHE	CB-CA-C	-21.37	70.11	110.51
2	4Z	35	PHE	CB-CA-C	-21.37	70.11	110.51
2	5V	35	PHE	CB-CA-C	-21.37	70.11	110.51
2	6N	35	PHE	CB-CA-C	-21.37	70.11	110.51
2	6V	35	PHE	CB-CA-C	-21.37	70.11	110.51
2	7F	35	PHE	CB-CA-C	-21.37	70.11	110.51
2	7R	35	PHE	CB-CA-C	-21.37	70.11	110.51
2	1F	35	PHE	CB-CA-C	-21.37	70.12	110.51
2	2N	35	PHE	CB-CA-C	-21.37	70.12	110.51
2	23	35	PHE	CB-CA-C	-21.37	70.12	110.51
2	3N	35	PHE	CB-CA-C	-21.37	70.12	110.51
2	37	35	PHE	CB-CA-C	-21.37	70.12	110.51
2	4J	35	PHE	CB-CA-C	-21.37	70.12	110.51
2	4R	35	PHE	CB-CA-C	-21.37	70.12	110.51
2	5Z	35	PHE	CB-CA-C	-21.37	70.12	110.51
2	6F	35	PHE	CB-CA-C	-21.37	70.12	110.51
2	6Z	35	PHE	CB-CA-C	-21.37	70.12	110.51
2	7J	35	PHE	CB-CA-C	-21.37	70.12	110.51
2	7V	35	PHE	CB-CA-C	-21.37	70.12	110.51
1	1M	17	THR	CA-C-N	21.36	146.54	119.84
1	1M	17	THR	C-N-CA	21.36	146.54	119.84
1	2I	17	THR	CA-C-N	21.36	146.54	119.84
1	2I	17	THR	C-N-CA	21.36	146.54	119.84
1	3A	17	THR	CA-C-N	21.36	146.54	119.84
1	3A	17	THR	C-N-CA	21.36	146.54	119.84
1	3I	17	THR	CA-C-N	21.36	146.54	119.84
1	3I	17	THR	C-N-CA	21.36	146.54	119.84
1	32	17	THR	CA-C-N	21.36	146.54	119.84
1	32	17	THR	C-N-CA	21.36	146.54	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	17	THR	CA-C-N	21.36	146.54	119.84
1	4E	17	THR	C-N-CA	21.36	146.54	119.84
1	4Y	17	THR	CA-C-N	21.36	146.54	119.84
1	4Y	17	THR	C-N-CA	21.36	146.54	119.84
1	5U	17	THR	CA-C-N	21.36	146.54	119.84
1	5U	17	THR	C-N-CA	21.36	146.54	119.84
1	6M	17	THR	CA-C-N	21.36	146.54	119.84
1	6M	17	THR	C-N-CA	21.36	146.54	119.84
1	6U	17	THR	CA-C-N	21.36	146.54	119.84
1	6U	17	THR	C-N-CA	21.36	146.54	119.84
1	7E	17	THR	CA-C-N	21.36	146.54	119.84
1	7E	17	THR	C-N-CA	21.36	146.54	119.84
1	7Q	17	THR	CA-C-N	21.36	146.54	119.84
1	7Q	17	THR	C-N-CA	21.36	146.54	119.84
1	12	172	PHE	CD1-CG-CD2	-21.35	86.57	118.60
1	16	172	PHE	CD1-CG-CD2	-21.35	86.57	118.60
1	2A	172	PHE	CD1-CG-CD2	-21.35	86.57	118.60
1	3Q	172	PHE	CD1-CG-CD2	-21.35	86.57	118.60
1	3U	172	PHE	CD1-CG-CD2	-21.35	86.57	118.60
1	3Y	172	PHE	CD1-CG-CD2	-21.35	86.57	118.60
1	5E	172	PHE	CD1-CG-CD2	-21.35	86.57	118.60
1	5I	172	PHE	CD1-CG-CD2	-21.35	86.57	118.60
1	5M	172	PHE	CD1-CG-CD2	-21.35	86.57	118.60
1	62	172	PHE	CD1-CG-CD2	-21.35	86.57	118.60
1	66	172	PHE	CD1-CG-CD2	-21.35	86.57	118.60
1	7A	172	PHE	CD1-CG-CD2	-21.35	86.57	118.60
1	1E	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	2M	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	22	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	3M	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	36	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	4I	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	4Q	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	5Y	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	6E	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	6Y	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	7I	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	7U	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	1A	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	1I	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	2E	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	26	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	4A	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	4M	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	4U	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	5Q	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	6I	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	6Q	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	7M	172	PHE	CD1-CG-CD2	-21.34	86.59	118.60
1	1Q	172	PHE	CD1-CG-CD2	-21.33	86.60	118.60
1	1U	172	PHE	CD1-CG-CD2	-21.33	86.60	118.60
1	1Y	172	PHE	CD1-CG-CD2	-21.33	86.60	118.60
1	2Q	172	PHE	CD1-CG-CD2	-21.33	86.60	118.60
1	2U	172	PHE	CD1-CG-CD2	-21.33	86.60	118.60
1	2Y	172	PHE	CD1-CG-CD2	-21.33	86.60	118.60
1	42	172	PHE	CD1-CG-CD2	-21.33	86.60	118.60
1	46	172	PHE	CD1-CG-CD2	-21.33	86.60	118.60
1	5A	172	PHE	CD1-CG-CD2	-21.33	86.60	118.60
1	52	172	PHE	CD1-CG-CD2	-21.33	86.60	118.60
1	56	172	PHE	CD1-CG-CD2	-21.33	86.60	118.60
1	6A	172	PHE	CD1-CG-CD2	-21.33	86.60	118.60
1	1M	172	PHE	CD1-CG-CD2	-21.33	86.61	118.60
1	2I	172	PHE	CD1-CG-CD2	-21.33	86.61	118.60
1	3A	172	PHE	CD1-CG-CD2	-21.33	86.61	118.60
1	3I	172	PHE	CD1-CG-CD2	-21.33	86.61	118.60
1	32	172	PHE	CD1-CG-CD2	-21.33	86.61	118.60
1	4E	172	PHE	CD1-CG-CD2	-21.33	86.61	118.60
1	4Y	172	PHE	CD1-CG-CD2	-21.33	86.61	118.60
1	5U	172	PHE	CD1-CG-CD2	-21.33	86.61	118.60
1	6M	172	PHE	CD1-CG-CD2	-21.33	86.61	118.60
1	6U	172	PHE	CD1-CG-CD2	-21.33	86.61	118.60
1	7E	172	PHE	CD1-CG-CD2	-21.33	86.61	118.60
1	7Q	172	PHE	CD1-CG-CD2	-21.33	86.61	118.60
1	1Q	17	THR	CA-C-N	21.32	146.49	119.84
1	1Q	17	THR	C-N-CA	21.32	146.49	119.84
1	1U	17	THR	CA-C-N	21.32	146.49	119.84
1	1U	17	THR	C-N-CA	21.32	146.49	119.84
1	1Y	17	THR	CA-C-N	21.32	146.49	119.84
1	1Y	17	THR	C-N-CA	21.32	146.49	119.84
1	2Q	17	THR	CA-C-N	21.32	146.49	119.84
1	2Q	17	THR	C-N-CA	21.32	146.49	119.84
1	2U	17	THR	CA-C-N	21.32	146.49	119.84
1	2U	17	THR	C-N-CA	21.32	146.49	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2Y	17	THR	CA-C-N	21.32	146.49	119.84
1	2Y	17	THR	C-N-CA	21.32	146.49	119.84
1	42	17	THR	CA-C-N	21.32	146.49	119.84
1	42	17	THR	C-N-CA	21.32	146.49	119.84
1	46	17	THR	CA-C-N	21.32	146.49	119.84
1	46	17	THR	C-N-CA	21.32	146.49	119.84
1	5A	17	THR	CA-C-N	21.32	146.49	119.84
1	5A	17	THR	C-N-CA	21.32	146.49	119.84
1	52	17	THR	CA-C-N	21.32	146.49	119.84
1	52	17	THR	C-N-CA	21.32	146.49	119.84
1	56	17	THR	CA-C-N	21.32	146.49	119.84
1	56	17	THR	C-N-CA	21.32	146.49	119.84
1	6A	17	THR	CA-C-N	21.32	146.49	119.84
1	6A	17	THR	C-N-CA	21.32	146.49	119.84
1	1A	17	THR	CA-C-N	21.32	146.49	119.84
1	1A	17	THR	C-N-CA	21.32	146.49	119.84
1	1I	17	THR	CA-C-N	21.32	146.49	119.84
1	1I	17	THR	C-N-CA	21.32	146.49	119.84
1	2E	17	THR	CA-C-N	21.32	146.49	119.84
1	2E	17	THR	C-N-CA	21.32	146.49	119.84
1	26	17	THR	CA-C-N	21.32	146.49	119.84
1	26	17	THR	C-N-CA	21.32	146.49	119.84
1	3E	17	THR	CA-C-N	21.32	146.49	119.84
1	3E	17	THR	C-N-CA	21.32	146.49	119.84
1	4A	17	THR	CA-C-N	21.32	146.49	119.84
1	4A	17	THR	C-N-CA	21.32	146.49	119.84
1	4M	17	THR	CA-C-N	21.32	146.49	119.84
1	4M	17	THR	C-N-CA	21.32	146.49	119.84
1	4U	17	THR	CA-C-N	21.32	146.49	119.84
1	4U	17	THR	C-N-CA	21.32	146.49	119.84
1	5Q	17	THR	CA-C-N	21.32	146.49	119.84
1	5Q	17	THR	C-N-CA	21.32	146.49	119.84
1	6I	17	THR	CA-C-N	21.32	146.49	119.84
1	6I	17	THR	C-N-CA	21.32	146.49	119.84
1	6Q	17	THR	CA-C-N	21.32	146.49	119.84
1	6Q	17	THR	C-N-CA	21.32	146.49	119.84
1	7M	17	THR	CA-C-N	21.32	146.49	119.84
1	7M	17	THR	C-N-CA	21.32	146.49	119.84
1	1E	17	THR	CA-C-N	21.31	146.47	119.84
1	1E	17	THR	C-N-CA	21.31	146.47	119.84
1	2M	17	THR	CA-C-N	21.31	146.47	119.84
1	2M	17	THR	C-N-CA	21.31	146.47	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22	17	THR	CA-C-N	21.31	146.47	119.84
1	22	17	THR	C-N-CA	21.31	146.47	119.84
1	3M	17	THR	CA-C-N	21.31	146.47	119.84
1	3M	17	THR	C-N-CA	21.31	146.47	119.84
1	36	17	THR	CA-C-N	21.31	146.47	119.84
1	36	17	THR	C-N-CA	21.31	146.47	119.84
1	4I	17	THR	CA-C-N	21.31	146.47	119.84
1	4I	17	THR	C-N-CA	21.31	146.47	119.84
1	4Q	17	THR	CA-C-N	21.31	146.47	119.84
1	4Q	17	THR	C-N-CA	21.31	146.47	119.84
1	5Y	17	THR	CA-C-N	21.31	146.47	119.84
1	5Y	17	THR	C-N-CA	21.31	146.47	119.84
1	6E	17	THR	CA-C-N	21.31	146.47	119.84
1	6E	17	THR	C-N-CA	21.31	146.47	119.84
1	6Y	17	THR	CA-C-N	21.31	146.47	119.84
1	6Y	17	THR	C-N-CA	21.31	146.47	119.84
1	7I	17	THR	CA-C-N	21.31	146.47	119.84
1	7I	17	THR	C-N-CA	21.31	146.47	119.84
1	7U	17	THR	CA-C-N	21.31	146.47	119.84
1	7U	17	THR	C-N-CA	21.31	146.47	119.84
1	1Q	49	LEU	CA-C-O	-21.29	98.45	120.80
1	1U	49	LEU	CA-C-O	-21.29	98.45	120.80
1	1Y	49	LEU	CA-C-O	-21.29	98.45	120.80
1	2Q	49	LEU	CA-C-O	-21.29	98.45	120.80
1	2U	49	LEU	CA-C-O	-21.29	98.45	120.80
1	2Y	49	LEU	CA-C-O	-21.29	98.45	120.80
1	42	49	LEU	CA-C-O	-21.29	98.45	120.80
1	46	49	LEU	CA-C-O	-21.29	98.45	120.80
1	5A	49	LEU	CA-C-O	-21.29	98.45	120.80
1	52	49	LEU	CA-C-O	-21.29	98.45	120.80
1	56	49	LEU	CA-C-O	-21.29	98.45	120.80
1	6A	49	LEU	CA-C-O	-21.29	98.45	120.80
1	12	17	THR	CA-C-N	21.28	146.44	119.84
1	12	17	THR	C-N-CA	21.28	146.44	119.84
1	16	17	THR	CA-C-N	21.28	146.44	119.84
1	16	17	THR	C-N-CA	21.28	146.44	119.84
1	2A	17	THR	CA-C-N	21.28	146.44	119.84
1	2A	17	THR	C-N-CA	21.28	146.44	119.84
1	3Q	17	THR	CA-C-N	21.28	146.44	119.84
1	3Q	17	THR	C-N-CA	21.28	146.44	119.84
1	3U	17	THR	CA-C-N	21.28	146.44	119.84
1	3U	17	THR	C-N-CA	21.28	146.44	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Y	17	THR	CA-C-N	21.28	146.44	119.84
1	3Y	17	THR	C-N-CA	21.28	146.44	119.84
1	5E	17	THR	CA-C-N	21.28	146.44	119.84
1	5E	17	THR	C-N-CA	21.28	146.44	119.84
1	5I	17	THR	CA-C-N	21.28	146.44	119.84
1	5I	17	THR	C-N-CA	21.28	146.44	119.84
1	5M	17	THR	CA-C-N	21.28	146.44	119.84
1	5M	17	THR	C-N-CA	21.28	146.44	119.84
1	62	17	THR	CA-C-N	21.28	146.44	119.84
1	62	17	THR	C-N-CA	21.28	146.44	119.84
1	66	17	THR	CA-C-N	21.28	146.44	119.84
1	66	17	THR	C-N-CA	21.28	146.44	119.84
1	7A	17	THR	CA-C-N	21.28	146.44	119.84
1	7A	17	THR	C-N-CA	21.28	146.44	119.84
1	1A	49	LEU	CA-C-O	-21.25	98.48	120.80
2	1F	55	PRO	N-CA-CB	-21.25	80.99	103.52
1	1I	49	LEU	CA-C-O	-21.25	98.48	120.80
1	12	49	LEU	CA-C-O	-21.25	98.48	120.80
1	16	49	LEU	CA-C-O	-21.25	98.48	120.80
1	2A	49	LEU	CA-C-O	-21.25	98.48	120.80
1	2E	49	LEU	CA-C-O	-21.25	98.48	120.80
2	2N	55	PRO	N-CA-CB	-21.25	80.99	103.52
2	23	55	PRO	N-CA-CB	-21.25	80.99	103.52
1	26	49	LEU	CA-C-O	-21.25	98.48	120.80
1	3E	49	LEU	CA-C-O	-21.25	98.48	120.80
2	3N	55	PRO	N-CA-CB	-21.25	80.99	103.52
1	3Q	49	LEU	CA-C-O	-21.25	98.48	120.80
1	3U	49	LEU	CA-C-O	-21.25	98.48	120.80
1	3Y	49	LEU	CA-C-O	-21.25	98.48	120.80
2	37	55	PRO	N-CA-CB	-21.25	80.99	103.52
1	4A	49	LEU	CA-C-O	-21.25	98.48	120.80
2	4J	55	PRO	N-CA-CB	-21.25	80.99	103.52
1	4M	49	LEU	CA-C-O	-21.25	98.48	120.80
2	4R	55	PRO	N-CA-CB	-21.25	80.99	103.52
1	4U	49	LEU	CA-C-O	-21.25	98.48	120.80
1	5E	49	LEU	CA-C-O	-21.25	98.48	120.80
1	5I	49	LEU	CA-C-O	-21.25	98.48	120.80
1	5M	49	LEU	CA-C-O	-21.25	98.48	120.80
1	5Q	49	LEU	CA-C-O	-21.25	98.48	120.80
2	5Z	55	PRO	N-CA-CB	-21.25	80.99	103.52
2	6F	55	PRO	N-CA-CB	-21.25	80.99	103.52
1	6I	49	LEU	CA-C-O	-21.25	98.48	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	49	LEU	CA-C-O	-21.25	98.48	120.80
2	6Z	55	PRO	N-CA-CB	-21.25	80.99	103.52
1	62	49	LEU	CA-C-O	-21.25	98.48	120.80
1	66	49	LEU	CA-C-O	-21.25	98.48	120.80
1	7A	49	LEU	CA-C-O	-21.25	98.48	120.80
2	7J	55	PRO	N-CA-CB	-21.25	80.99	103.52
1	7M	49	LEU	CA-C-O	-21.25	98.48	120.80
2	7V	55	PRO	N-CA-CB	-21.25	80.99	103.52
1	1M	49	LEU	CA-C-O	-21.25	98.49	120.80
1	2I	49	LEU	CA-C-O	-21.25	98.49	120.80
1	3A	49	LEU	CA-C-O	-21.25	98.49	120.80
1	3I	49	LEU	CA-C-O	-21.25	98.49	120.80
1	32	49	LEU	CA-C-O	-21.25	98.49	120.80
1	4E	49	LEU	CA-C-O	-21.25	98.49	120.80
1	4Y	49	LEU	CA-C-O	-21.25	98.49	120.80
1	5U	49	LEU	CA-C-O	-21.25	98.49	120.80
1	6M	49	LEU	CA-C-O	-21.25	98.49	120.80
1	6U	49	LEU	CA-C-O	-21.25	98.49	120.80
1	7E	49	LEU	CA-C-O	-21.25	98.49	120.80
1	7Q	49	LEU	CA-C-O	-21.25	98.49	120.80
1	1E	49	LEU	CA-C-O	-21.24	98.50	120.80
1	2M	49	LEU	CA-C-O	-21.24	98.50	120.80
1	22	49	LEU	CA-C-O	-21.24	98.50	120.80
1	3M	49	LEU	CA-C-O	-21.24	98.50	120.80
1	36	49	LEU	CA-C-O	-21.24	98.50	120.80
1	4I	49	LEU	CA-C-O	-21.24	98.50	120.80
1	4Q	49	LEU	CA-C-O	-21.24	98.50	120.80
1	5Y	49	LEU	CA-C-O	-21.24	98.50	120.80
1	6E	49	LEU	CA-C-O	-21.24	98.50	120.80
1	6Y	49	LEU	CA-C-O	-21.24	98.50	120.80
1	7I	49	LEU	CA-C-O	-21.24	98.50	120.80
1	7U	49	LEU	CA-C-O	-21.24	98.50	120.80
2	1R	55	PRO	N-CA-CB	-21.23	81.02	103.52
2	1V	55	PRO	N-CA-CB	-21.23	81.02	103.52
2	1Z	55	PRO	N-CA-CB	-21.23	81.02	103.52
2	2R	55	PRO	N-CA-CB	-21.23	81.02	103.52
2	2V	55	PRO	N-CA-CB	-21.23	81.02	103.52
2	2Z	55	PRO	N-CA-CB	-21.23	81.02	103.52
2	43	55	PRO	N-CA-CB	-21.23	81.02	103.52
2	47	55	PRO	N-CA-CB	-21.23	81.02	103.52
2	5B	55	PRO	N-CA-CB	-21.23	81.02	103.52
2	53	55	PRO	N-CA-CB	-21.23	81.02	103.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	55	PRO	N-CA-CB	-21.23	81.02	103.52
2	6B	55	PRO	N-CA-CB	-21.23	81.02	103.52
1	1M	147	ARG	CA-C-N	21.22	156.62	121.39
1	1M	147	ARG	C-N-CA	21.22	156.62	121.39
1	2I	147	ARG	CA-C-N	21.22	156.62	121.39
1	2I	147	ARG	C-N-CA	21.22	156.62	121.39
1	3A	147	ARG	CA-C-N	21.22	156.62	121.39
1	3A	147	ARG	C-N-CA	21.22	156.62	121.39
1	3I	147	ARG	CA-C-N	21.22	156.62	121.39
1	3I	147	ARG	C-N-CA	21.22	156.62	121.39
1	32	147	ARG	CA-C-N	21.22	156.62	121.39
1	32	147	ARG	C-N-CA	21.22	156.62	121.39
1	4E	147	ARG	CA-C-N	21.22	156.62	121.39
1	4E	147	ARG	C-N-CA	21.22	156.62	121.39
1	4Y	147	ARG	CA-C-N	21.22	156.62	121.39
1	4Y	147	ARG	C-N-CA	21.22	156.62	121.39
1	5U	147	ARG	CA-C-N	21.22	156.62	121.39
1	5U	147	ARG	C-N-CA	21.22	156.62	121.39
1	6M	147	ARG	CA-C-N	21.22	156.62	121.39
1	6M	147	ARG	C-N-CA	21.22	156.62	121.39
1	6U	147	ARG	CA-C-N	21.22	156.62	121.39
1	6U	147	ARG	C-N-CA	21.22	156.62	121.39
1	7E	147	ARG	CA-C-N	21.22	156.62	121.39
1	7E	147	ARG	C-N-CA	21.22	156.62	121.39
1	7Q	147	ARG	CA-C-N	21.22	156.62	121.39
1	7Q	147	ARG	C-N-CA	21.22	156.62	121.39
2	1B	55	PRO	N-CA-CB	-21.22	81.03	103.52
2	1J	55	PRO	N-CA-CB	-21.22	81.03	103.52
2	2F	55	PRO	N-CA-CB	-21.22	81.03	103.52
2	27	55	PRO	N-CA-CB	-21.22	81.03	103.52
2	3F	55	PRO	N-CA-CB	-21.22	81.03	103.52
2	4B	55	PRO	N-CA-CB	-21.22	81.03	103.52
2	4N	55	PRO	N-CA-CB	-21.22	81.03	103.52
2	4V	55	PRO	N-CA-CB	-21.22	81.03	103.52
2	5R	55	PRO	N-CA-CB	-21.22	81.03	103.52
2	6J	55	PRO	N-CA-CB	-21.22	81.03	103.52
2	6R	55	PRO	N-CA-CB	-21.22	81.03	103.52
2	7N	55	PRO	N-CA-CB	-21.22	81.03	103.52
2	1N	55	PRO	N-CA-CB	-21.21	81.03	103.52
2	2J	55	PRO	N-CA-CB	-21.21	81.03	103.52
2	3B	55	PRO	N-CA-CB	-21.21	81.03	103.52
2	3J	55	PRO	N-CA-CB	-21.21	81.03	103.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	55	PRO	N-CA-CB	-21.21	81.03	103.52
2	4F	55	PRO	N-CA-CB	-21.21	81.03	103.52
2	4Z	55	PRO	N-CA-CB	-21.21	81.03	103.52
2	5V	55	PRO	N-CA-CB	-21.21	81.03	103.52
2	6N	55	PRO	N-CA-CB	-21.21	81.03	103.52
2	6V	55	PRO	N-CA-CB	-21.21	81.03	103.52
2	7F	55	PRO	N-CA-CB	-21.21	81.03	103.52
2	7R	55	PRO	N-CA-CB	-21.21	81.03	103.52
2	13	55	PRO	N-CA-CB	-21.21	81.04	103.52
2	17	55	PRO	N-CA-CB	-21.21	81.04	103.52
2	2B	55	PRO	N-CA-CB	-21.21	81.04	103.52
2	3R	55	PRO	N-CA-CB	-21.21	81.04	103.52
2	3V	55	PRO	N-CA-CB	-21.21	81.04	103.52
2	3Z	55	PRO	N-CA-CB	-21.21	81.04	103.52
2	5F	55	PRO	N-CA-CB	-21.21	81.04	103.52
2	5J	55	PRO	N-CA-CB	-21.21	81.04	103.52
2	5N	55	PRO	N-CA-CB	-21.21	81.04	103.52
2	63	55	PRO	N-CA-CB	-21.21	81.04	103.52
2	67	55	PRO	N-CA-CB	-21.21	81.04	103.52
2	7B	55	PRO	N-CA-CB	-21.21	81.04	103.52
1	1A	147	ARG	CA-C-N	21.20	156.59	121.39
1	1A	147	ARG	C-N-CA	21.20	156.59	121.39
1	1I	147	ARG	CA-C-N	21.20	156.59	121.39
1	1I	147	ARG	C-N-CA	21.20	156.59	121.39
1	2E	147	ARG	CA-C-N	21.20	156.59	121.39
1	2E	147	ARG	C-N-CA	21.20	156.59	121.39
1	26	147	ARG	CA-C-N	21.20	156.59	121.39
1	26	147	ARG	C-N-CA	21.20	156.59	121.39
1	3E	147	ARG	CA-C-N	21.20	156.59	121.39
1	3E	147	ARG	C-N-CA	21.20	156.59	121.39
1	4A	147	ARG	CA-C-N	21.20	156.59	121.39
1	4A	147	ARG	C-N-CA	21.20	156.59	121.39
1	4M	147	ARG	CA-C-N	21.20	156.59	121.39
1	4M	147	ARG	C-N-CA	21.20	156.59	121.39
1	4U	147	ARG	CA-C-N	21.20	156.59	121.39
1	4U	147	ARG	C-N-CA	21.20	156.59	121.39
1	5Q	147	ARG	CA-C-N	21.20	156.59	121.39
1	5Q	147	ARG	C-N-CA	21.20	156.59	121.39
1	6I	147	ARG	CA-C-N	21.20	156.59	121.39
1	6I	147	ARG	C-N-CA	21.20	156.59	121.39
1	6Q	147	ARG	CA-C-N	21.20	156.59	121.39
1	6Q	147	ARG	C-N-CA	21.20	156.59	121.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	147	ARG	CA-C-N	21.20	156.59	121.39
1	7M	147	ARG	C-N-CA	21.20	156.59	121.39
1	12	147	ARG	CA-C-N	21.19	156.57	121.39
1	12	147	ARG	C-N-CA	21.19	156.57	121.39
1	16	147	ARG	CA-C-N	21.19	156.57	121.39
1	16	147	ARG	C-N-CA	21.19	156.57	121.39
1	2A	147	ARG	CA-C-N	21.19	156.57	121.39
1	2A	147	ARG	C-N-CA	21.19	156.57	121.39
1	3Q	147	ARG	CA-C-N	21.19	156.57	121.39
1	3Q	147	ARG	C-N-CA	21.19	156.57	121.39
1	3U	147	ARG	CA-C-N	21.19	156.57	121.39
1	3U	147	ARG	C-N-CA	21.19	156.57	121.39
1	3Y	147	ARG	CA-C-N	21.19	156.57	121.39
1	3Y	147	ARG	C-N-CA	21.19	156.57	121.39
1	5E	147	ARG	CA-C-N	21.19	156.57	121.39
1	5E	147	ARG	C-N-CA	21.19	156.57	121.39
1	5I	147	ARG	CA-C-N	21.19	156.57	121.39
1	5I	147	ARG	C-N-CA	21.19	156.57	121.39
1	5M	147	ARG	CA-C-N	21.19	156.57	121.39
1	5M	147	ARG	C-N-CA	21.19	156.57	121.39
1	62	147	ARG	CA-C-N	21.19	156.57	121.39
1	62	147	ARG	C-N-CA	21.19	156.57	121.39
1	66	147	ARG	CA-C-N	21.19	156.57	121.39
1	66	147	ARG	C-N-CA	21.19	156.57	121.39
1	7A	147	ARG	CA-C-N	21.19	156.57	121.39
1	7A	147	ARG	C-N-CA	21.19	156.57	121.39
1	1Q	147	ARG	CA-C-N	21.19	156.56	121.39
1	1Q	147	ARG	C-N-CA	21.19	156.56	121.39
1	1U	147	ARG	CA-C-N	21.19	156.56	121.39
1	1U	147	ARG	C-N-CA	21.19	156.56	121.39
1	1Y	147	ARG	CA-C-N	21.19	156.56	121.39
1	1Y	147	ARG	C-N-CA	21.19	156.56	121.39
1	2Q	147	ARG	CA-C-N	21.19	156.56	121.39
1	2Q	147	ARG	C-N-CA	21.19	156.56	121.39
1	2U	147	ARG	CA-C-N	21.19	156.56	121.39
1	2U	147	ARG	C-N-CA	21.19	156.56	121.39
1	2Y	147	ARG	CA-C-N	21.19	156.56	121.39
1	2Y	147	ARG	C-N-CA	21.19	156.56	121.39
1	42	147	ARG	CA-C-N	21.19	156.56	121.39
1	42	147	ARG	C-N-CA	21.19	156.56	121.39
1	46	147	ARG	CA-C-N	21.19	156.56	121.39
1	46	147	ARG	C-N-CA	21.19	156.56	121.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	147	ARG	CA-C-N	21.19	156.56	121.39
1	5A	147	ARG	C-N-CA	21.19	156.56	121.39
1	52	147	ARG	CA-C-N	21.19	156.56	121.39
1	52	147	ARG	C-N-CA	21.19	156.56	121.39
1	56	147	ARG	CA-C-N	21.19	156.56	121.39
1	56	147	ARG	C-N-CA	21.19	156.56	121.39
1	6A	147	ARG	CA-C-N	21.19	156.56	121.39
1	6A	147	ARG	C-N-CA	21.19	156.56	121.39
1	1E	147	ARG	CA-C-N	21.17	156.53	121.39
1	1E	147	ARG	C-N-CA	21.17	156.53	121.39
1	2M	147	ARG	CA-C-N	21.17	156.53	121.39
1	2M	147	ARG	C-N-CA	21.17	156.53	121.39
1	22	147	ARG	CA-C-N	21.17	156.53	121.39
1	22	147	ARG	C-N-CA	21.17	156.53	121.39
1	3M	147	ARG	CA-C-N	21.17	156.53	121.39
1	3M	147	ARG	C-N-CA	21.17	156.53	121.39
1	36	147	ARG	CA-C-N	21.17	156.53	121.39
1	36	147	ARG	C-N-CA	21.17	156.53	121.39
1	4I	147	ARG	CA-C-N	21.17	156.53	121.39
1	4I	147	ARG	C-N-CA	21.17	156.53	121.39
1	4Q	147	ARG	CA-C-N	21.17	156.53	121.39
1	4Q	147	ARG	C-N-CA	21.17	156.53	121.39
1	5Y	147	ARG	CA-C-N	21.17	156.53	121.39
1	5Y	147	ARG	C-N-CA	21.17	156.53	121.39
1	6E	147	ARG	CA-C-N	21.17	156.53	121.39
1	6E	147	ARG	C-N-CA	21.17	156.53	121.39
1	6Y	147	ARG	CA-C-N	21.17	156.53	121.39
1	6Y	147	ARG	C-N-CA	21.17	156.53	121.39
1	7I	147	ARG	CA-C-N	21.17	156.53	121.39
1	7I	147	ARG	C-N-CA	21.17	156.53	121.39
1	7U	147	ARG	CA-C-N	21.17	156.53	121.39
1	7U	147	ARG	C-N-CA	21.17	156.53	121.39
2	1F	216	ASN	OD1-CG-ND2	21.14	143.74	122.60
2	2N	216	ASN	OD1-CG-ND2	21.14	143.74	122.60
2	23	216	ASN	OD1-CG-ND2	21.14	143.74	122.60
2	3N	216	ASN	OD1-CG-ND2	21.14	143.74	122.60
2	37	216	ASN	OD1-CG-ND2	21.14	143.74	122.60
2	4J	216	ASN	OD1-CG-ND2	21.14	143.74	122.60
2	4R	216	ASN	OD1-CG-ND2	21.14	143.74	122.60
2	5Z	216	ASN	OD1-CG-ND2	21.14	143.74	122.60
2	6F	216	ASN	OD1-CG-ND2	21.14	143.74	122.60
2	6Z	216	ASN	OD1-CG-ND2	21.14	143.74	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	216	ASN	OD1-CG-ND2	21.14	143.74	122.60
2	7V	216	ASN	OD1-CG-ND2	21.14	143.74	122.60
2	13	216	ASN	OD1-CG-ND2	21.13	143.73	122.60
2	17	216	ASN	OD1-CG-ND2	21.13	143.73	122.60
2	2B	216	ASN	OD1-CG-ND2	21.13	143.73	122.60
2	3R	216	ASN	OD1-CG-ND2	21.13	143.73	122.60
2	3V	216	ASN	OD1-CG-ND2	21.13	143.73	122.60
2	3Z	216	ASN	OD1-CG-ND2	21.13	143.73	122.60
2	5F	216	ASN	OD1-CG-ND2	21.13	143.73	122.60
2	5J	216	ASN	OD1-CG-ND2	21.13	143.73	122.60
2	5N	216	ASN	OD1-CG-ND2	21.13	143.73	122.60
2	63	216	ASN	OD1-CG-ND2	21.13	143.73	122.60
2	67	216	ASN	OD1-CG-ND2	21.13	143.73	122.60
2	7B	216	ASN	OD1-CG-ND2	21.13	143.73	122.60
2	13	208	SER	O-C-N	-21.12	97.77	122.27
2	17	208	SER	O-C-N	-21.12	97.77	122.27
2	2B	208	SER	O-C-N	-21.12	97.77	122.27
2	3R	208	SER	O-C-N	-21.12	97.77	122.27
2	3V	208	SER	O-C-N	-21.12	97.77	122.27
2	3Z	208	SER	O-C-N	-21.12	97.77	122.27
2	5F	208	SER	O-C-N	-21.12	97.77	122.27
2	5J	208	SER	O-C-N	-21.12	97.77	122.27
2	5N	208	SER	O-C-N	-21.12	97.77	122.27
2	63	208	SER	O-C-N	-21.12	97.77	122.27
2	67	208	SER	O-C-N	-21.12	97.77	122.27
2	7B	208	SER	O-C-N	-21.12	97.77	122.27
2	1B	208	SER	O-C-N	-21.12	97.77	122.27
2	1J	208	SER	O-C-N	-21.12	97.77	122.27
2	2F	208	SER	O-C-N	-21.12	97.77	122.27
2	27	208	SER	O-C-N	-21.12	97.77	122.27
2	3F	208	SER	O-C-N	-21.12	97.77	122.27
2	4B	208	SER	O-C-N	-21.12	97.77	122.27
2	4N	208	SER	O-C-N	-21.12	97.77	122.27
2	4V	208	SER	O-C-N	-21.12	97.77	122.27
2	5R	208	SER	O-C-N	-21.12	97.77	122.27
2	6J	208	SER	O-C-N	-21.12	97.77	122.27
2	6R	208	SER	O-C-N	-21.12	97.77	122.27
2	7N	208	SER	O-C-N	-21.12	97.77	122.27
2	1B	216	ASN	OD1-CG-ND2	21.11	143.71	122.60
2	1J	216	ASN	OD1-CG-ND2	21.11	143.71	122.60
2	2F	216	ASN	OD1-CG-ND2	21.11	143.71	122.60
2	27	216	ASN	OD1-CG-ND2	21.11	143.71	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	216	ASN	OD1-CG-ND2	21.11	143.71	122.60
2	4B	216	ASN	OD1-CG-ND2	21.11	143.71	122.60
2	4N	216	ASN	OD1-CG-ND2	21.11	143.71	122.60
2	4V	216	ASN	OD1-CG-ND2	21.11	143.71	122.60
2	5R	216	ASN	OD1-CG-ND2	21.11	143.71	122.60
2	6J	216	ASN	OD1-CG-ND2	21.11	143.71	122.60
2	6R	216	ASN	OD1-CG-ND2	21.11	143.71	122.60
2	7N	216	ASN	OD1-CG-ND2	21.11	143.71	122.60
2	1N	208	SER	O-C-N	-21.11	97.78	122.27
2	2J	208	SER	O-C-N	-21.11	97.78	122.27
2	3B	208	SER	O-C-N	-21.11	97.78	122.27
2	3J	208	SER	O-C-N	-21.11	97.78	122.27
2	33	208	SER	O-C-N	-21.11	97.78	122.27
2	4F	208	SER	O-C-N	-21.11	97.78	122.27
2	4Z	208	SER	O-C-N	-21.11	97.78	122.27
2	5V	208	SER	O-C-N	-21.11	97.78	122.27
2	6N	208	SER	O-C-N	-21.11	97.78	122.27
2	6V	208	SER	O-C-N	-21.11	97.78	122.27
2	7F	208	SER	O-C-N	-21.11	97.78	122.27
2	7R	208	SER	O-C-N	-21.11	97.78	122.27
2	1N	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	2J	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	3B	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	3J	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	33	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	4F	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	4Z	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	5V	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	6N	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	6V	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	7F	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	7R	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	1B	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	1J	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	1N	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	2F	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	2J	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	27	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	3B	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	3F	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	3J	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	33	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	4F	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	4N	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	4V	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	4Z	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	5R	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	5V	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	6J	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	6N	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	6R	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	6V	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	7F	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	7N	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	7R	108	HIS	CE1-NE2-CD2	21.10	130.10	109.00
2	1F	208	SER	O-C-N	-21.10	97.80	122.27
2	1R	208	SER	O-C-N	-21.10	97.80	122.27
2	1R	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	1V	208	SER	O-C-N	-21.10	97.80	122.27
2	1V	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	1Z	208	SER	O-C-N	-21.10	97.80	122.27
2	1Z	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	2N	208	SER	O-C-N	-21.10	97.80	122.27
2	2R	208	SER	O-C-N	-21.10	97.80	122.27
2	2R	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	2V	208	SER	O-C-N	-21.10	97.80	122.27
2	2V	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	2Z	208	SER	O-C-N	-21.10	97.80	122.27
2	2Z	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	23	208	SER	O-C-N	-21.10	97.80	122.27
2	3N	208	SER	O-C-N	-21.10	97.80	122.27
2	37	208	SER	O-C-N	-21.10	97.80	122.27
2	4J	208	SER	O-C-N	-21.10	97.80	122.27
2	4R	208	SER	O-C-N	-21.10	97.80	122.27
2	43	208	SER	O-C-N	-21.10	97.80	122.27
2	43	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	47	208	SER	O-C-N	-21.10	97.80	122.27
2	47	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	5B	208	SER	O-C-N	-21.10	97.80	122.27
2	5B	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	5Z	208	SER	O-C-N	-21.10	97.80	122.27
2	53	208	SER	O-C-N	-21.10	97.80	122.27
2	53	216	ASN	OD1-CG-ND2	21.10	143.70	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	208	SER	O-C-N	-21.10	97.80	122.27
2	57	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	6B	208	SER	O-C-N	-21.10	97.80	122.27
2	6B	216	ASN	OD1-CG-ND2	21.10	143.70	122.60
2	6F	208	SER	O-C-N	-21.10	97.80	122.27
2	6Z	208	SER	O-C-N	-21.10	97.80	122.27
2	7J	208	SER	O-C-N	-21.10	97.80	122.27
2	7V	208	SER	O-C-N	-21.10	97.80	122.27
2	13	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	17	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	2B	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	3R	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	3V	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	3Z	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	5F	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	5J	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	5N	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	63	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	67	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	7B	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	1F	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	2N	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	23	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	3N	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	37	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	4J	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	4R	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	5Z	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	6F	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	6Z	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	7J	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	7V	108	HIS	CE1-NE2-CD2	21.09	130.09	109.00
2	1R	108	HIS	CE1-NE2-CD2	21.08	130.08	109.00
2	1V	108	HIS	CE1-NE2-CD2	21.08	130.08	109.00
2	1Z	108	HIS	CE1-NE2-CD2	21.08	130.08	109.00
2	2R	108	HIS	CE1-NE2-CD2	21.08	130.08	109.00
2	2V	108	HIS	CE1-NE2-CD2	21.08	130.08	109.00
2	2Z	108	HIS	CE1-NE2-CD2	21.08	130.08	109.00
2	43	108	HIS	CE1-NE2-CD2	21.08	130.08	109.00
2	47	108	HIS	CE1-NE2-CD2	21.08	130.08	109.00
2	5B	108	HIS	CE1-NE2-CD2	21.08	130.08	109.00
2	53	108	HIS	CE1-NE2-CD2	21.08	130.08	109.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	108	HIS	CE1-NE2-CD2	21.08	130.08	109.00
2	6B	108	HIS	CE1-NE2-CD2	21.08	130.08	109.00
2	1R	74	TYR	CD1-CG-CD2	21.04	149.65	118.10
2	1V	74	TYR	CD1-CG-CD2	21.04	149.65	118.10
2	1Z	74	TYR	CD1-CG-CD2	21.04	149.65	118.10
2	2R	74	TYR	CD1-CG-CD2	21.04	149.65	118.10
2	2V	74	TYR	CD1-CG-CD2	21.04	149.65	118.10
2	2Z	74	TYR	CD1-CG-CD2	21.04	149.65	118.10
2	43	74	TYR	CD1-CG-CD2	21.04	149.65	118.10
2	47	74	TYR	CD1-CG-CD2	21.04	149.65	118.10
2	5B	74	TYR	CD1-CG-CD2	21.04	149.65	118.10
2	53	74	TYR	CD1-CG-CD2	21.04	149.65	118.10
2	57	74	TYR	CD1-CG-CD2	21.04	149.65	118.10
2	6B	74	TYR	CD1-CG-CD2	21.04	149.65	118.10
2	13	74	TYR	CD1-CG-CD2	21.02	149.63	118.10
2	17	74	TYR	CD1-CG-CD2	21.02	149.63	118.10
2	2B	74	TYR	CD1-CG-CD2	21.02	149.63	118.10
2	3R	74	TYR	CD1-CG-CD2	21.02	149.63	118.10
2	3V	74	TYR	CD1-CG-CD2	21.02	149.63	118.10
2	3Z	74	TYR	CD1-CG-CD2	21.02	149.63	118.10
2	5F	74	TYR	CD1-CG-CD2	21.02	149.63	118.10
2	5J	74	TYR	CD1-CG-CD2	21.02	149.63	118.10
2	5N	74	TYR	CD1-CG-CD2	21.02	149.63	118.10
2	63	74	TYR	CD1-CG-CD2	21.02	149.63	118.10
2	67	74	TYR	CD1-CG-CD2	21.02	149.63	118.10
2	7B	74	TYR	CD1-CG-CD2	21.02	149.63	118.10
2	1N	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	2J	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	3B	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	3J	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	33	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	4F	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	4Z	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	5V	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	6N	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	6V	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	7F	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	7R	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	1B	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	1F	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	1J	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	2F	74	TYR	CD1-CG-CD2	21.00	149.60	118.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	23	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	27	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	3F	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	3N	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	37	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	4B	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	4J	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	4N	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	4R	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	4V	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	5R	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	5Z	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	6F	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	6J	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	6R	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	6Z	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	7J	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	7N	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	7V	74	TYR	CD1-CG-CD2	21.00	149.60	118.10
2	1F	78	HIS	CA-C-O	-20.92	95.77	119.41
2	2N	78	HIS	CA-C-O	-20.92	95.77	119.41
2	23	78	HIS	CA-C-O	-20.92	95.77	119.41
2	3N	78	HIS	CA-C-O	-20.92	95.77	119.41
2	37	78	HIS	CA-C-O	-20.92	95.77	119.41
2	4J	78	HIS	CA-C-O	-20.92	95.77	119.41
2	4R	78	HIS	CA-C-O	-20.92	95.77	119.41
2	5Z	78	HIS	CA-C-O	-20.92	95.77	119.41
2	6F	78	HIS	CA-C-O	-20.92	95.77	119.41
2	6Z	78	HIS	CA-C-O	-20.92	95.77	119.41
2	7J	78	HIS	CA-C-O	-20.92	95.77	119.41
2	7V	78	HIS	CA-C-O	-20.92	95.77	119.41
2	1F	225	ASN	OD1-CG-ND2	20.90	143.50	122.60
2	2N	225	ASN	OD1-CG-ND2	20.90	143.50	122.60
2	23	225	ASN	OD1-CG-ND2	20.90	143.50	122.60
2	3N	225	ASN	OD1-CG-ND2	20.90	143.50	122.60
2	37	225	ASN	OD1-CG-ND2	20.90	143.50	122.60
2	4J	225	ASN	OD1-CG-ND2	20.90	143.50	122.60
2	4R	225	ASN	OD1-CG-ND2	20.90	143.50	122.60
2	5Z	225	ASN	OD1-CG-ND2	20.90	143.50	122.60
2	6F	225	ASN	OD1-CG-ND2	20.90	143.50	122.60
2	6Z	225	ASN	OD1-CG-ND2	20.90	143.50	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	225	ASN	OD1-CG-ND2	20.90	143.50	122.60
2	7V	225	ASN	OD1-CG-ND2	20.90	143.50	122.60
2	1B	78	HIS	CA-C-O	-20.90	95.79	119.41
2	1J	78	HIS	CA-C-O	-20.90	95.79	119.41
2	2F	78	HIS	CA-C-O	-20.90	95.79	119.41
2	27	78	HIS	CA-C-O	-20.90	95.79	119.41
2	3F	78	HIS	CA-C-O	-20.90	95.79	119.41
2	4B	78	HIS	CA-C-O	-20.90	95.79	119.41
2	4N	78	HIS	CA-C-O	-20.90	95.79	119.41
2	4V	78	HIS	CA-C-O	-20.90	95.79	119.41
2	5R	78	HIS	CA-C-O	-20.90	95.79	119.41
2	6J	78	HIS	CA-C-O	-20.90	95.79	119.41
2	6R	78	HIS	CA-C-O	-20.90	95.79	119.41
2	7N	78	HIS	CA-C-O	-20.90	95.79	119.41
2	1R	78	HIS	CA-C-O	-20.90	95.80	119.41
2	1V	78	HIS	CA-C-O	-20.90	95.80	119.41
2	1Z	78	HIS	CA-C-O	-20.90	95.80	119.41
2	2R	78	HIS	CA-C-O	-20.90	95.80	119.41
2	2V	78	HIS	CA-C-O	-20.90	95.80	119.41
2	2Z	78	HIS	CA-C-O	-20.90	95.80	119.41
2	43	78	HIS	CA-C-O	-20.90	95.80	119.41
2	47	78	HIS	CA-C-O	-20.90	95.80	119.41
2	5B	78	HIS	CA-C-O	-20.90	95.80	119.41
2	53	78	HIS	CA-C-O	-20.90	95.80	119.41
2	57	78	HIS	CA-C-O	-20.90	95.80	119.41
2	6B	78	HIS	CA-C-O	-20.90	95.80	119.41
2	1N	78	HIS	CA-C-O	-20.90	95.80	119.41
2	2J	78	HIS	CA-C-O	-20.90	95.80	119.41
2	3B	78	HIS	CA-C-O	-20.90	95.80	119.41
2	3J	78	HIS	CA-C-O	-20.90	95.80	119.41
2	33	78	HIS	CA-C-O	-20.90	95.80	119.41
2	4F	78	HIS	CA-C-O	-20.90	95.80	119.41
2	4Z	78	HIS	CA-C-O	-20.90	95.80	119.41
2	5V	78	HIS	CA-C-O	-20.90	95.80	119.41
2	6N	78	HIS	CA-C-O	-20.90	95.80	119.41
2	6V	78	HIS	CA-C-O	-20.90	95.80	119.41
2	7F	78	HIS	CA-C-O	-20.90	95.80	119.41
2	7R	78	HIS	CA-C-O	-20.90	95.80	119.41
2	13	78	HIS	CA-C-O	-20.89	95.81	119.41
2	17	78	HIS	CA-C-O	-20.89	95.81	119.41
2	2B	78	HIS	CA-C-O	-20.89	95.81	119.41
2	3R	78	HIS	CA-C-O	-20.89	95.81	119.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	78	HIS	CA-C-O	-20.89	95.81	119.41
2	3Z	78	HIS	CA-C-O	-20.89	95.81	119.41
2	5F	78	HIS	CA-C-O	-20.89	95.81	119.41
2	5J	78	HIS	CA-C-O	-20.89	95.81	119.41
2	5N	78	HIS	CA-C-O	-20.89	95.81	119.41
2	63	78	HIS	CA-C-O	-20.89	95.81	119.41
2	67	78	HIS	CA-C-O	-20.89	95.81	119.41
2	7B	78	HIS	CA-C-O	-20.89	95.81	119.41
1	1E	171	ARG	CA-C-O	20.88	143.13	120.38
1	2M	171	ARG	CA-C-O	20.88	143.13	120.38
1	22	171	ARG	CA-C-O	20.88	143.13	120.38
1	3M	171	ARG	CA-C-O	20.88	143.13	120.38
1	36	171	ARG	CA-C-O	20.88	143.13	120.38
1	4I	171	ARG	CA-C-O	20.88	143.13	120.38
1	4Q	171	ARG	CA-C-O	20.88	143.13	120.38
1	5Y	171	ARG	CA-C-O	20.88	143.13	120.38
1	6E	171	ARG	CA-C-O	20.88	143.13	120.38
1	6Y	171	ARG	CA-C-O	20.88	143.13	120.38
1	7I	171	ARG	CA-C-O	20.88	143.13	120.38
1	7U	171	ARG	CA-C-O	20.88	143.13	120.38
2	1B	225	ASN	OD1-CG-ND2	20.87	143.47	122.60
2	1J	225	ASN	OD1-CG-ND2	20.87	143.47	122.60
2	2F	225	ASN	OD1-CG-ND2	20.87	143.47	122.60
2	27	225	ASN	OD1-CG-ND2	20.87	143.47	122.60
2	3F	225	ASN	OD1-CG-ND2	20.87	143.47	122.60
2	4B	225	ASN	OD1-CG-ND2	20.87	143.47	122.60
2	4N	225	ASN	OD1-CG-ND2	20.87	143.47	122.60
2	4V	225	ASN	OD1-CG-ND2	20.87	143.47	122.60
2	5R	225	ASN	OD1-CG-ND2	20.87	143.47	122.60
2	6J	225	ASN	OD1-CG-ND2	20.87	143.47	122.60
2	6R	225	ASN	OD1-CG-ND2	20.87	143.47	122.60
2	7N	225	ASN	OD1-CG-ND2	20.87	143.47	122.60
1	12	171	ARG	CA-C-O	20.86	143.12	120.38
1	16	171	ARG	CA-C-O	20.86	143.12	120.38
1	2A	171	ARG	CA-C-O	20.86	143.12	120.38
1	3Q	171	ARG	CA-C-O	20.86	143.12	120.38
1	3U	171	ARG	CA-C-O	20.86	143.12	120.38
1	3Y	171	ARG	CA-C-O	20.86	143.12	120.38
1	5E	171	ARG	CA-C-O	20.86	143.12	120.38
1	5I	171	ARG	CA-C-O	20.86	143.12	120.38
1	5M	171	ARG	CA-C-O	20.86	143.12	120.38
1	62	171	ARG	CA-C-O	20.86	143.12	120.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	171	ARG	CA-C-O	20.86	143.12	120.38
1	7A	171	ARG	CA-C-O	20.86	143.12	120.38
1	1A	171	ARG	CA-C-O	20.86	143.12	120.38
1	1I	171	ARG	CA-C-O	20.86	143.12	120.38
1	1Q	90	PHE	CD1-CE1-CZ	-20.86	82.45	120.00
1	1U	90	PHE	CD1-CE1-CZ	-20.86	82.45	120.00
1	1Y	90	PHE	CD1-CE1-CZ	-20.86	82.45	120.00
1	2E	171	ARG	CA-C-O	20.86	143.12	120.38
1	2Q	90	PHE	CD1-CE1-CZ	-20.86	82.45	120.00
1	2U	90	PHE	CD1-CE1-CZ	-20.86	82.45	120.00
1	2Y	90	PHE	CD1-CE1-CZ	-20.86	82.45	120.00
1	26	171	ARG	CA-C-O	20.86	143.12	120.38
1	3E	171	ARG	CA-C-O	20.86	143.12	120.38
1	4A	171	ARG	CA-C-O	20.86	143.12	120.38
1	4M	171	ARG	CA-C-O	20.86	143.12	120.38
1	4U	171	ARG	CA-C-O	20.86	143.12	120.38
1	42	90	PHE	CD1-CE1-CZ	-20.86	82.45	120.00
1	46	90	PHE	CD1-CE1-CZ	-20.86	82.45	120.00
1	5A	90	PHE	CD1-CE1-CZ	-20.86	82.45	120.00
1	5Q	171	ARG	CA-C-O	20.86	143.12	120.38
1	52	90	PHE	CD1-CE1-CZ	-20.86	82.45	120.00
1	56	90	PHE	CD1-CE1-CZ	-20.86	82.45	120.00
1	6A	90	PHE	CD1-CE1-CZ	-20.86	82.45	120.00
1	6I	171	ARG	CA-C-O	20.86	143.12	120.38
1	6Q	171	ARG	CA-C-O	20.86	143.12	120.38
1	7M	171	ARG	CA-C-O	20.86	143.12	120.38
1	1Q	171	ARG	CA-C-O	20.85	143.11	120.38
1	1U	171	ARG	CA-C-O	20.85	143.11	120.38
1	1Y	171	ARG	CA-C-O	20.85	143.11	120.38
1	2Q	171	ARG	CA-C-O	20.85	143.11	120.38
1	2U	171	ARG	CA-C-O	20.85	143.11	120.38
1	2Y	171	ARG	CA-C-O	20.85	143.11	120.38
1	42	171	ARG	CA-C-O	20.85	143.11	120.38
1	46	171	ARG	CA-C-O	20.85	143.11	120.38
1	5A	171	ARG	CA-C-O	20.85	143.11	120.38
1	52	171	ARG	CA-C-O	20.85	143.11	120.38
1	56	171	ARG	CA-C-O	20.85	143.11	120.38
1	6A	171	ARG	CA-C-O	20.85	143.11	120.38
2	13	225	ASN	O-C-N	20.85	150.32	122.59
2	17	225	ASN	O-C-N	20.85	150.32	122.59
2	2B	225	ASN	O-C-N	20.85	150.32	122.59
2	3R	225	ASN	O-C-N	20.85	150.32	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	225	ASN	O-C-N	20.85	150.32	122.59
2	3Z	225	ASN	O-C-N	20.85	150.32	122.59
2	5F	225	ASN	O-C-N	20.85	150.32	122.59
2	5J	225	ASN	O-C-N	20.85	150.32	122.59
2	5N	225	ASN	O-C-N	20.85	150.32	122.59
2	63	225	ASN	O-C-N	20.85	150.32	122.59
2	67	225	ASN	O-C-N	20.85	150.32	122.59
2	7B	225	ASN	O-C-N	20.85	150.32	122.59
1	1M	90	PHE	CD1-CE1-CZ	-20.84	82.48	120.00
1	2I	90	PHE	CD1-CE1-CZ	-20.84	82.48	120.00
1	3A	90	PHE	CD1-CE1-CZ	-20.84	82.48	120.00
1	3I	90	PHE	CD1-CE1-CZ	-20.84	82.48	120.00
1	32	90	PHE	CD1-CE1-CZ	-20.84	82.48	120.00
1	4E	90	PHE	CD1-CE1-CZ	-20.84	82.48	120.00
1	4Y	90	PHE	CD1-CE1-CZ	-20.84	82.48	120.00
1	5U	90	PHE	CD1-CE1-CZ	-20.84	82.48	120.00
1	6M	90	PHE	CD1-CE1-CZ	-20.84	82.48	120.00
1	6U	90	PHE	CD1-CE1-CZ	-20.84	82.48	120.00
1	7E	90	PHE	CD1-CE1-CZ	-20.84	82.48	120.00
1	7Q	90	PHE	CD1-CE1-CZ	-20.84	82.48	120.00
2	13	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	17	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	2B	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	3R	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	3V	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	3Z	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	5F	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	5J	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	5N	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	63	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	67	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	7B	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
1	1M	171	ARG	CA-C-O	20.84	143.10	120.38
1	2I	171	ARG	CA-C-O	20.84	143.10	120.38
1	3A	171	ARG	CA-C-O	20.84	143.10	120.38
1	3I	171	ARG	CA-C-O	20.84	143.10	120.38
1	32	171	ARG	CA-C-O	20.84	143.10	120.38
1	4E	171	ARG	CA-C-O	20.84	143.10	120.38
1	4Y	171	ARG	CA-C-O	20.84	143.10	120.38
1	5U	171	ARG	CA-C-O	20.84	143.10	120.38
1	6M	171	ARG	CA-C-O	20.84	143.10	120.38
1	6U	171	ARG	CA-C-O	20.84	143.10	120.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	171	ARG	CA-C-O	20.84	143.10	120.38
1	7Q	171	ARG	CA-C-O	20.84	143.10	120.38
2	1R	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	1V	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	1Z	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	2R	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	2V	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	2Z	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	43	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	47	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	5B	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	53	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	57	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	6B	225	ASN	OD1-CG-ND2	20.84	143.44	122.60
2	1F	225	ASN	O-C-N	20.84	150.31	122.59
2	2N	225	ASN	O-C-N	20.84	150.31	122.59
2	23	225	ASN	O-C-N	20.84	150.31	122.59
2	3N	225	ASN	O-C-N	20.84	150.31	122.59
2	37	225	ASN	O-C-N	20.84	150.31	122.59
2	4J	225	ASN	O-C-N	20.84	150.31	122.59
2	4R	225	ASN	O-C-N	20.84	150.31	122.59
2	5Z	225	ASN	O-C-N	20.84	150.31	122.59
2	6F	225	ASN	O-C-N	20.84	150.31	122.59
2	6Z	225	ASN	O-C-N	20.84	150.31	122.59
2	7J	225	ASN	O-C-N	20.84	150.31	122.59
2	7V	225	ASN	O-C-N	20.84	150.31	122.59
2	1B	225	ASN	O-C-N	20.83	150.30	122.59
2	1J	225	ASN	O-C-N	20.83	150.30	122.59
2	2F	225	ASN	O-C-N	20.83	150.30	122.59
2	27	225	ASN	O-C-N	20.83	150.30	122.59
2	3F	225	ASN	O-C-N	20.83	150.30	122.59
2	4B	225	ASN	O-C-N	20.83	150.30	122.59
2	4N	225	ASN	O-C-N	20.83	150.30	122.59
2	4V	225	ASN	O-C-N	20.83	150.30	122.59
2	5R	225	ASN	O-C-N	20.83	150.30	122.59
2	6J	225	ASN	O-C-N	20.83	150.30	122.59
2	6R	225	ASN	O-C-N	20.83	150.30	122.59
2	7N	225	ASN	O-C-N	20.83	150.30	122.59
1	1A	90	PHE	CD1-CE1-CZ	-20.83	82.50	120.00
1	1I	90	PHE	CD1-CE1-CZ	-20.83	82.50	120.00
1	2E	90	PHE	CD1-CE1-CZ	-20.83	82.50	120.00
1	26	90	PHE	CD1-CE1-CZ	-20.83	82.50	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	90	PHE	CD1-CE1-CZ	-20.83	82.50	120.00
1	4A	90	PHE	CD1-CE1-CZ	-20.83	82.50	120.00
1	4M	90	PHE	CD1-CE1-CZ	-20.83	82.50	120.00
1	4U	90	PHE	CD1-CE1-CZ	-20.83	82.50	120.00
1	5Q	90	PHE	CD1-CE1-CZ	-20.83	82.50	120.00
1	6I	90	PHE	CD1-CE1-CZ	-20.83	82.50	120.00
1	6Q	90	PHE	CD1-CE1-CZ	-20.83	82.50	120.00
1	7M	90	PHE	CD1-CE1-CZ	-20.83	82.50	120.00
2	1N	225	ASN	OD1-CG-ND2	20.83	143.43	122.60
2	1R	225	ASN	O-C-N	20.83	150.29	122.59
2	1V	225	ASN	O-C-N	20.83	150.29	122.59
2	1Z	225	ASN	O-C-N	20.83	150.29	122.59
1	12	90	PHE	CD1-CE1-CZ	-20.83	82.51	120.00
1	16	90	PHE	CD1-CE1-CZ	-20.83	82.51	120.00
1	2A	90	PHE	CD1-CE1-CZ	-20.83	82.51	120.00
2	2J	225	ASN	OD1-CG-ND2	20.83	143.43	122.60
2	2R	225	ASN	O-C-N	20.83	150.29	122.59
2	2V	225	ASN	O-C-N	20.83	150.29	122.59
2	2Z	225	ASN	O-C-N	20.83	150.29	122.59
2	3B	225	ASN	OD1-CG-ND2	20.83	143.43	122.60
2	3J	225	ASN	OD1-CG-ND2	20.83	143.43	122.60
1	3Q	90	PHE	CD1-CE1-CZ	-20.83	82.51	120.00
1	3U	90	PHE	CD1-CE1-CZ	-20.83	82.51	120.00
1	3Y	90	PHE	CD1-CE1-CZ	-20.83	82.51	120.00
2	33	225	ASN	OD1-CG-ND2	20.83	143.43	122.60
2	4F	225	ASN	OD1-CG-ND2	20.83	143.43	122.60
2	4Z	225	ASN	OD1-CG-ND2	20.83	143.43	122.60
2	43	225	ASN	O-C-N	20.83	150.29	122.59
2	47	225	ASN	O-C-N	20.83	150.29	122.59
2	5B	225	ASN	O-C-N	20.83	150.29	122.59
1	5E	90	PHE	CD1-CE1-CZ	-20.83	82.51	120.00
1	5I	90	PHE	CD1-CE1-CZ	-20.83	82.51	120.00
1	5M	90	PHE	CD1-CE1-CZ	-20.83	82.51	120.00
2	5V	225	ASN	OD1-CG-ND2	20.83	143.43	122.60
2	53	225	ASN	O-C-N	20.83	150.29	122.59
2	57	225	ASN	O-C-N	20.83	150.29	122.59
2	6B	225	ASN	O-C-N	20.83	150.29	122.59
2	6N	225	ASN	OD1-CG-ND2	20.83	143.43	122.60
2	6V	225	ASN	OD1-CG-ND2	20.83	143.43	122.60
1	62	90	PHE	CD1-CE1-CZ	-20.83	82.51	120.00
1	66	90	PHE	CD1-CE1-CZ	-20.83	82.51	120.00
1	7A	90	PHE	CD1-CE1-CZ	-20.83	82.51	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	225	ASN	OD1-CG-ND2	20.83	143.43	122.60
2	7R	225	ASN	OD1-CG-ND2	20.83	143.43	122.60
1	1E	90	PHE	CD1-CE1-CZ	-20.82	82.52	120.00
1	2M	90	PHE	CD1-CE1-CZ	-20.82	82.52	120.00
1	22	90	PHE	CD1-CE1-CZ	-20.82	82.52	120.00
1	3M	90	PHE	CD1-CE1-CZ	-20.82	82.52	120.00
1	36	90	PHE	CD1-CE1-CZ	-20.82	82.52	120.00
1	4I	90	PHE	CD1-CE1-CZ	-20.82	82.52	120.00
1	4Q	90	PHE	CD1-CE1-CZ	-20.82	82.52	120.00
1	5Y	90	PHE	CD1-CE1-CZ	-20.82	82.52	120.00
1	6E	90	PHE	CD1-CE1-CZ	-20.82	82.52	120.00
1	6Y	90	PHE	CD1-CE1-CZ	-20.82	82.52	120.00
1	7I	90	PHE	CD1-CE1-CZ	-20.82	82.52	120.00
1	7U	90	PHE	CD1-CE1-CZ	-20.82	82.52	120.00
2	1N	225	ASN	O-C-N	20.80	150.26	122.59
2	2J	225	ASN	O-C-N	20.80	150.26	122.59
2	3B	225	ASN	O-C-N	20.80	150.26	122.59
2	3J	225	ASN	O-C-N	20.80	150.26	122.59
2	33	225	ASN	O-C-N	20.80	150.26	122.59
2	4F	225	ASN	O-C-N	20.80	150.26	122.59
2	4Z	225	ASN	O-C-N	20.80	150.26	122.59
2	5V	225	ASN	O-C-N	20.80	150.26	122.59
2	6N	225	ASN	O-C-N	20.80	150.26	122.59
2	6V	225	ASN	O-C-N	20.80	150.26	122.59
2	7F	225	ASN	O-C-N	20.80	150.26	122.59
2	7R	225	ASN	O-C-N	20.80	150.26	122.59
2	1R	70	TRP	CE2-CD2-CE3	-20.80	98.00	118.80
2	1V	70	TRP	CE2-CD2-CE3	-20.80	98.00	118.80
2	1Z	70	TRP	CE2-CD2-CE3	-20.80	98.00	118.80
2	2R	70	TRP	CE2-CD2-CE3	-20.80	98.00	118.80
2	2V	70	TRP	CE2-CD2-CE3	-20.80	98.00	118.80
2	2Z	70	TRP	CE2-CD2-CE3	-20.80	98.00	118.80
2	43	70	TRP	CE2-CD2-CE3	-20.80	98.00	118.80
2	47	70	TRP	CE2-CD2-CE3	-20.80	98.00	118.80
2	5B	70	TRP	CE2-CD2-CE3	-20.80	98.00	118.80
2	53	70	TRP	CE2-CD2-CE3	-20.80	98.00	118.80
2	57	70	TRP	CE2-CD2-CE3	-20.80	98.00	118.80
2	6B	70	TRP	CE2-CD2-CE3	-20.80	98.00	118.80
1	1E	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	2M	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	22	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	3M	43	HIS	CB-CG-CD2	-20.79	104.17	131.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	4I	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	4Q	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	5Y	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	6E	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	6Y	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	7I	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	7U	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	1A	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
2	1F	70	TRP	CE2-CD2-CE3	-20.79	98.01	118.80
1	1I	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	2E	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
2	2N	70	TRP	CE2-CD2-CE3	-20.79	98.01	118.80
2	23	70	TRP	CE2-CD2-CE3	-20.79	98.01	118.80
1	26	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	3E	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
2	3N	70	TRP	CE2-CD2-CE3	-20.79	98.01	118.80
2	37	70	TRP	CE2-CD2-CE3	-20.79	98.01	118.80
1	4A	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
2	4J	70	TRP	CE2-CD2-CE3	-20.79	98.01	118.80
1	4M	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
2	4R	70	TRP	CE2-CD2-CE3	-20.79	98.01	118.80
1	4U	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	5Q	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
2	5Z	70	TRP	CE2-CD2-CE3	-20.79	98.01	118.80
2	6F	70	TRP	CE2-CD2-CE3	-20.79	98.01	118.80
1	6I	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
1	6Q	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
2	6Z	70	TRP	CE2-CD2-CE3	-20.79	98.01	118.80
2	7J	70	TRP	CE2-CD2-CE3	-20.79	98.01	118.80
1	7M	43	HIS	CB-CG-CD2	-20.79	104.17	131.20
2	7V	70	TRP	CE2-CD2-CE3	-20.79	98.01	118.80
2	13	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	17	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	2B	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	3R	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	3V	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	3Z	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	5F	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	5J	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	5N	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	63	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	7B	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	1B	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	1J	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	2F	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	27	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	3F	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	4B	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	4N	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	4V	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	5R	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	6J	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	6R	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
2	7N	70	TRP	CE2-CD2-CE3	-20.78	98.02	118.80
1	12	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	16	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	2A	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	3Q	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	3U	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	3Y	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	5E	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	5I	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	5M	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	62	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	66	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	7A	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	1Q	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	1U	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	1Y	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	2Q	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	2U	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	2Y	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	42	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	46	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	5A	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	52	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	56	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	6A	43	HIS	CB-CG-CD2	-20.77	104.20	131.20
1	1M	43	HIS	CB-CG-CD2	-20.76	104.21	131.20
1	2I	43	HIS	CB-CG-CD2	-20.76	104.21	131.20
1	3A	43	HIS	CB-CG-CD2	-20.76	104.21	131.20
1	3I	43	HIS	CB-CG-CD2	-20.76	104.21	131.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	43	HIS	CB-CG-CD2	-20.76	104.21	131.20
1	4E	43	HIS	CB-CG-CD2	-20.76	104.21	131.20
1	4Y	43	HIS	CB-CG-CD2	-20.76	104.21	131.20
1	5U	43	HIS	CB-CG-CD2	-20.76	104.21	131.20
1	6M	43	HIS	CB-CG-CD2	-20.76	104.21	131.20
1	6U	43	HIS	CB-CG-CD2	-20.76	104.21	131.20
1	7E	43	HIS	CB-CG-CD2	-20.76	104.21	131.20
1	7Q	43	HIS	CB-CG-CD2	-20.76	104.21	131.20
1	1M	19	SER	N-CA-CB	-20.76	79.53	110.87
1	2I	19	SER	N-CA-CB	-20.76	79.53	110.87
1	3A	19	SER	N-CA-CB	-20.76	79.53	110.87
1	3I	19	SER	N-CA-CB	-20.76	79.53	110.87
1	32	19	SER	N-CA-CB	-20.76	79.53	110.87
1	4E	19	SER	N-CA-CB	-20.76	79.53	110.87
1	4Y	19	SER	N-CA-CB	-20.76	79.53	110.87
1	5U	19	SER	N-CA-CB	-20.76	79.53	110.87
1	6M	19	SER	N-CA-CB	-20.76	79.53	110.87
1	6U	19	SER	N-CA-CB	-20.76	79.53	110.87
1	7E	19	SER	N-CA-CB	-20.76	79.53	110.87
1	7Q	19	SER	N-CA-CB	-20.76	79.53	110.87
1	1E	19	SER	N-CA-CB	-20.75	79.54	110.87
1	2M	19	SER	N-CA-CB	-20.75	79.54	110.87
1	22	19	SER	N-CA-CB	-20.75	79.54	110.87
1	3M	19	SER	N-CA-CB	-20.75	79.54	110.87
1	36	19	SER	N-CA-CB	-20.75	79.54	110.87
1	4I	19	SER	N-CA-CB	-20.75	79.54	110.87
1	4Q	19	SER	N-CA-CB	-20.75	79.54	110.87
1	5Y	19	SER	N-CA-CB	-20.75	79.54	110.87
1	6E	19	SER	N-CA-CB	-20.75	79.54	110.87
1	6Y	19	SER	N-CA-CB	-20.75	79.54	110.87
1	7I	19	SER	N-CA-CB	-20.75	79.54	110.87
1	7U	19	SER	N-CA-CB	-20.75	79.54	110.87
2	1N	70	TRP	CE2-CD2-CE3	-20.75	98.05	118.80
2	2J	70	TRP	CE2-CD2-CE3	-20.75	98.05	118.80
2	3B	70	TRP	CE2-CD2-CE3	-20.75	98.05	118.80
2	3J	70	TRP	CE2-CD2-CE3	-20.75	98.05	118.80
2	33	70	TRP	CE2-CD2-CE3	-20.75	98.05	118.80
2	4F	70	TRP	CE2-CD2-CE3	-20.75	98.05	118.80
2	4Z	70	TRP	CE2-CD2-CE3	-20.75	98.05	118.80
2	5V	70	TRP	CE2-CD2-CE3	-20.75	98.05	118.80
2	6N	70	TRP	CE2-CD2-CE3	-20.75	98.05	118.80
2	6V	70	TRP	CE2-CD2-CE3	-20.75	98.05	118.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	70	TRP	CE2-CD2-CE3	-20.75	98.05	118.80
2	7R	70	TRP	CE2-CD2-CE3	-20.75	98.05	118.80
1	1A	19	SER	N-CA-CB	-20.75	79.55	110.87
1	1I	19	SER	N-CA-CB	-20.75	79.55	110.87
1	2E	19	SER	N-CA-CB	-20.75	79.55	110.87
1	26	19	SER	N-CA-CB	-20.75	79.55	110.87
1	3E	19	SER	N-CA-CB	-20.75	79.55	110.87
1	4A	19	SER	N-CA-CB	-20.75	79.55	110.87
1	4M	19	SER	N-CA-CB	-20.75	79.55	110.87
1	4U	19	SER	N-CA-CB	-20.75	79.55	110.87
1	5Q	19	SER	N-CA-CB	-20.75	79.55	110.87
1	6I	19	SER	N-CA-CB	-20.75	79.55	110.87
1	6Q	19	SER	N-CA-CB	-20.75	79.55	110.87
1	7M	19	SER	N-CA-CB	-20.75	79.55	110.87
1	1Q	19	SER	N-CA-CB	-20.74	79.55	110.87
1	1U	19	SER	N-CA-CB	-20.74	79.55	110.87
1	1Y	19	SER	N-CA-CB	-20.74	79.55	110.87
1	2Q	19	SER	N-CA-CB	-20.74	79.55	110.87
1	2U	19	SER	N-CA-CB	-20.74	79.55	110.87
1	2Y	19	SER	N-CA-CB	-20.74	79.55	110.87
1	42	19	SER	N-CA-CB	-20.74	79.55	110.87
1	46	19	SER	N-CA-CB	-20.74	79.55	110.87
1	5A	19	SER	N-CA-CB	-20.74	79.55	110.87
1	52	19	SER	N-CA-CB	-20.74	79.55	110.87
1	56	19	SER	N-CA-CB	-20.74	79.55	110.87
1	6A	19	SER	N-CA-CB	-20.74	79.55	110.87
1	12	19	SER	N-CA-CB	-20.73	79.57	110.87
1	16	19	SER	N-CA-CB	-20.73	79.57	110.87
1	2A	19	SER	N-CA-CB	-20.73	79.57	110.87
1	3Q	19	SER	N-CA-CB	-20.73	79.57	110.87
1	3U	19	SER	N-CA-CB	-20.73	79.57	110.87
1	3Y	19	SER	N-CA-CB	-20.73	79.57	110.87
1	5E	19	SER	N-CA-CB	-20.73	79.57	110.87
1	5I	19	SER	N-CA-CB	-20.73	79.57	110.87
1	5M	19	SER	N-CA-CB	-20.73	79.57	110.87
1	62	19	SER	N-CA-CB	-20.73	79.57	110.87
1	66	19	SER	N-CA-CB	-20.73	79.57	110.87
1	7A	19	SER	N-CA-CB	-20.73	79.57	110.87
1	1A	80	PHE	CA-C-N	-20.73	89.50	122.87
1	1A	80	PHE	C-N-CA	-20.73	89.50	122.87
1	1I	80	PHE	CA-C-N	-20.73	89.50	122.87
1	1I	80	PHE	C-N-CA	-20.73	89.50	122.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2E	80	PHE	CA-C-N	-20.73	89.50	122.87
1	2E	80	PHE	C-N-CA	-20.73	89.50	122.87
1	26	80	PHE	CA-C-N	-20.73	89.50	122.87
1	26	80	PHE	C-N-CA	-20.73	89.50	122.87
1	3E	80	PHE	CA-C-N	-20.73	89.50	122.87
1	3E	80	PHE	C-N-CA	-20.73	89.50	122.87
1	4A	80	PHE	CA-C-N	-20.73	89.50	122.87
1	4A	80	PHE	C-N-CA	-20.73	89.50	122.87
1	4M	80	PHE	CA-C-N	-20.73	89.50	122.87
1	4M	80	PHE	C-N-CA	-20.73	89.50	122.87
1	4U	80	PHE	CA-C-N	-20.73	89.50	122.87
1	4U	80	PHE	C-N-CA	-20.73	89.50	122.87
1	5Q	80	PHE	CA-C-N	-20.73	89.50	122.87
1	5Q	80	PHE	C-N-CA	-20.73	89.50	122.87
1	6I	80	PHE	CA-C-N	-20.73	89.50	122.87
1	6I	80	PHE	C-N-CA	-20.73	89.50	122.87
1	6Q	80	PHE	CA-C-N	-20.73	89.50	122.87
1	6Q	80	PHE	C-N-CA	-20.73	89.50	122.87
1	7M	80	PHE	CA-C-N	-20.73	89.50	122.87
1	7M	80	PHE	C-N-CA	-20.73	89.50	122.87
1	1E	80	PHE	CA-C-N	-20.72	89.52	122.87
1	1E	80	PHE	C-N-CA	-20.72	89.52	122.87
1	2M	80	PHE	CA-C-N	-20.72	89.52	122.87
1	2M	80	PHE	C-N-CA	-20.72	89.52	122.87
1	22	80	PHE	CA-C-N	-20.72	89.52	122.87
1	22	80	PHE	C-N-CA	-20.72	89.52	122.87
1	3M	80	PHE	CA-C-N	-20.72	89.52	122.87
1	3M	80	PHE	C-N-CA	-20.72	89.52	122.87
1	36	80	PHE	CA-C-N	-20.72	89.52	122.87
1	36	80	PHE	C-N-CA	-20.72	89.52	122.87
1	4I	80	PHE	CA-C-N	-20.72	89.52	122.87
1	4I	80	PHE	C-N-CA	-20.72	89.52	122.87
1	4Q	80	PHE	CA-C-N	-20.72	89.52	122.87
1	4Q	80	PHE	C-N-CA	-20.72	89.52	122.87
1	5Y	80	PHE	CA-C-N	-20.72	89.52	122.87
1	5Y	80	PHE	C-N-CA	-20.72	89.52	122.87
1	6E	80	PHE	CA-C-N	-20.72	89.52	122.87
1	6E	80	PHE	C-N-CA	-20.72	89.52	122.87
1	6Y	80	PHE	CA-C-N	-20.72	89.52	122.87
1	6Y	80	PHE	C-N-CA	-20.72	89.52	122.87
1	7I	80	PHE	CA-C-N	-20.72	89.52	122.87
1	7I	80	PHE	C-N-CA	-20.72	89.52	122.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	80	PHE	CA-C-N	-20.72	89.52	122.87
1	7U	80	PHE	C-N-CA	-20.72	89.52	122.87
1	1M	80	PHE	CA-C-N	-20.71	89.52	122.87
1	1M	80	PHE	C-N-CA	-20.71	89.52	122.87
1	2I	80	PHE	CA-C-N	-20.71	89.52	122.87
1	2I	80	PHE	C-N-CA	-20.71	89.52	122.87
1	3A	80	PHE	CA-C-N	-20.71	89.52	122.87
1	3A	80	PHE	C-N-CA	-20.71	89.52	122.87
1	3I	80	PHE	CA-C-N	-20.71	89.52	122.87
1	3I	80	PHE	C-N-CA	-20.71	89.52	122.87
1	32	80	PHE	CA-C-N	-20.71	89.52	122.87
1	32	80	PHE	C-N-CA	-20.71	89.52	122.87
1	4E	80	PHE	CA-C-N	-20.71	89.52	122.87
1	4E	80	PHE	C-N-CA	-20.71	89.52	122.87
1	4Y	80	PHE	CA-C-N	-20.71	89.52	122.87
1	4Y	80	PHE	C-N-CA	-20.71	89.52	122.87
1	5U	80	PHE	CA-C-N	-20.71	89.52	122.87
1	5U	80	PHE	C-N-CA	-20.71	89.52	122.87
1	6M	80	PHE	CA-C-N	-20.71	89.52	122.87
1	6M	80	PHE	C-N-CA	-20.71	89.52	122.87
1	6U	80	PHE	CA-C-N	-20.71	89.52	122.87
1	6U	80	PHE	C-N-CA	-20.71	89.52	122.87
1	7E	80	PHE	CA-C-N	-20.71	89.52	122.87
1	7E	80	PHE	C-N-CA	-20.71	89.52	122.87
1	7Q	80	PHE	CA-C-N	-20.71	89.52	122.87
1	7Q	80	PHE	C-N-CA	-20.71	89.52	122.87
1	12	80	PHE	CA-C-N	-20.70	89.54	122.87
1	12	80	PHE	C-N-CA	-20.70	89.54	122.87
1	16	80	PHE	CA-C-N	-20.70	89.54	122.87
1	16	80	PHE	C-N-CA	-20.70	89.54	122.87
1	2A	80	PHE	CA-C-N	-20.70	89.54	122.87
1	2A	80	PHE	C-N-CA	-20.70	89.54	122.87
1	3Q	80	PHE	CA-C-N	-20.70	89.54	122.87
1	3Q	80	PHE	C-N-CA	-20.70	89.54	122.87
1	3U	80	PHE	CA-C-N	-20.70	89.54	122.87
1	3U	80	PHE	C-N-CA	-20.70	89.54	122.87
1	3Y	80	PHE	CA-C-N	-20.70	89.54	122.87
1	3Y	80	PHE	C-N-CA	-20.70	89.54	122.87
1	5E	80	PHE	CA-C-N	-20.70	89.54	122.87
1	5E	80	PHE	C-N-CA	-20.70	89.54	122.87
1	5I	80	PHE	CA-C-N	-20.70	89.54	122.87
1	5I	80	PHE	C-N-CA	-20.70	89.54	122.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	80	PHE	CA-C-N	-20.70	89.54	122.87
1	5M	80	PHE	C-N-CA	-20.70	89.54	122.87
1	62	80	PHE	CA-C-N	-20.70	89.54	122.87
1	62	80	PHE	C-N-CA	-20.70	89.54	122.87
1	66	80	PHE	CA-C-N	-20.70	89.54	122.87
1	66	80	PHE	C-N-CA	-20.70	89.54	122.87
1	7A	80	PHE	CA-C-N	-20.70	89.54	122.87
1	7A	80	PHE	C-N-CA	-20.70	89.54	122.87
1	1Q	80	PHE	CA-C-N	-20.69	89.56	122.87
1	1Q	80	PHE	C-N-CA	-20.69	89.56	122.87
1	1U	80	PHE	CA-C-N	-20.69	89.56	122.87
1	1U	80	PHE	C-N-CA	-20.69	89.56	122.87
1	1Y	80	PHE	CA-C-N	-20.69	89.56	122.87
1	1Y	80	PHE	C-N-CA	-20.69	89.56	122.87
1	2Q	80	PHE	CA-C-N	-20.69	89.56	122.87
1	2Q	80	PHE	C-N-CA	-20.69	89.56	122.87
1	2U	80	PHE	CA-C-N	-20.69	89.56	122.87
1	2U	80	PHE	C-N-CA	-20.69	89.56	122.87
1	2Y	80	PHE	CA-C-N	-20.69	89.56	122.87
1	2Y	80	PHE	C-N-CA	-20.69	89.56	122.87
1	42	80	PHE	CA-C-N	-20.69	89.56	122.87
1	42	80	PHE	C-N-CA	-20.69	89.56	122.87
1	46	80	PHE	CA-C-N	-20.69	89.56	122.87
1	46	80	PHE	C-N-CA	-20.69	89.56	122.87
1	5A	80	PHE	CA-C-N	-20.69	89.56	122.87
1	5A	80	PHE	C-N-CA	-20.69	89.56	122.87
1	52	80	PHE	CA-C-N	-20.69	89.56	122.87
1	52	80	PHE	C-N-CA	-20.69	89.56	122.87
1	56	80	PHE	CA-C-N	-20.69	89.56	122.87
1	56	80	PHE	C-N-CA	-20.69	89.56	122.87
1	6A	80	PHE	CA-C-N	-20.69	89.56	122.87
1	6A	80	PHE	C-N-CA	-20.69	89.56	122.87
1	12	29	TYR	CA-C-O	20.65	150.04	120.51
1	16	29	TYR	CA-C-O	20.65	150.04	120.51
1	2A	29	TYR	CA-C-O	20.65	150.04	120.51
1	3Q	29	TYR	CA-C-O	20.65	150.04	120.51
1	3U	29	TYR	CA-C-O	20.65	150.04	120.51
1	3Y	29	TYR	CA-C-O	20.65	150.04	120.51
1	5E	29	TYR	CA-C-O	20.65	150.04	120.51
1	5I	29	TYR	CA-C-O	20.65	150.04	120.51
1	5M	29	TYR	CA-C-O	20.65	150.04	120.51
1	62	29	TYR	CA-C-O	20.65	150.04	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	29	TYR	CA-C-O	20.65	150.04	120.51
1	7A	29	TYR	CA-C-O	20.65	150.04	120.51
1	1M	29	TYR	CA-C-O	20.64	150.03	120.51
1	2I	29	TYR	CA-C-O	20.64	150.03	120.51
1	3A	29	TYR	CA-C-O	20.64	150.03	120.51
1	3I	29	TYR	CA-C-O	20.64	150.03	120.51
1	32	29	TYR	CA-C-O	20.64	150.03	120.51
1	4E	29	TYR	CA-C-O	20.64	150.03	120.51
1	4Y	29	TYR	CA-C-O	20.64	150.03	120.51
1	5U	29	TYR	CA-C-O	20.64	150.03	120.51
1	6M	29	TYR	CA-C-O	20.64	150.03	120.51
1	6U	29	TYR	CA-C-O	20.64	150.03	120.51
1	7E	29	TYR	CA-C-O	20.64	150.03	120.51
1	7Q	29	TYR	CA-C-O	20.64	150.03	120.51
1	1E	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	2M	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	22	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	3M	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	36	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	4I	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	4Q	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	5Y	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	6E	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	6Y	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	7I	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	7U	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	1A	29	TYR	CA-C-O	20.64	150.02	120.51
1	1I	29	TYR	CA-C-O	20.64	150.02	120.51
1	1Q	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	1U	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	1Y	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	2E	29	TYR	CA-C-O	20.64	150.02	120.51
1	2Q	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	2U	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	2Y	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	26	29	TYR	CA-C-O	20.64	150.02	120.51
1	3E	29	TYR	CA-C-O	20.64	150.02	120.51
1	4A	29	TYR	CA-C-O	20.64	150.02	120.51
1	4M	29	TYR	CA-C-O	20.64	150.02	120.51
1	4U	29	TYR	CA-C-O	20.64	150.02	120.51
1	42	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	46	48	TYR	CD1-CG-CD2	20.64	149.06	118.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	5Q	29	TYR	CA-C-O	20.64	150.02	120.51
1	52	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	56	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	6A	48	TYR	CD1-CG-CD2	20.64	149.06	118.10
1	6I	29	TYR	CA-C-O	20.64	150.02	120.51
1	6Q	29	TYR	CA-C-O	20.64	150.02	120.51
1	7M	29	TYR	CA-C-O	20.64	150.02	120.51
1	1M	48	TYR	CD1-CG-CD2	20.63	149.04	118.10
1	2I	48	TYR	CD1-CG-CD2	20.63	149.04	118.10
1	3A	48	TYR	CD1-CG-CD2	20.63	149.04	118.10
1	3I	48	TYR	CD1-CG-CD2	20.63	149.04	118.10
1	32	48	TYR	CD1-CG-CD2	20.63	149.04	118.10
1	4E	48	TYR	CD1-CG-CD2	20.63	149.04	118.10
1	4Y	48	TYR	CD1-CG-CD2	20.63	149.04	118.10
1	5U	48	TYR	CD1-CG-CD2	20.63	149.04	118.10
1	6M	48	TYR	CD1-CG-CD2	20.63	149.04	118.10
1	6U	48	TYR	CD1-CG-CD2	20.63	149.04	118.10
1	7E	48	TYR	CD1-CG-CD2	20.63	149.04	118.10
1	7Q	48	TYR	CD1-CG-CD2	20.63	149.04	118.10
1	1Q	94	THR	O-C-N	20.62	150.02	122.59
1	1U	94	THR	O-C-N	20.62	150.02	122.59
1	1Y	94	THR	O-C-N	20.62	150.02	122.59
1	2Q	94	THR	O-C-N	20.62	150.02	122.59
1	2U	94	THR	O-C-N	20.62	150.02	122.59
1	2Y	94	THR	O-C-N	20.62	150.02	122.59
1	42	94	THR	O-C-N	20.62	150.02	122.59
1	46	94	THR	O-C-N	20.62	150.02	122.59
1	5A	94	THR	O-C-N	20.62	150.02	122.59
1	52	94	THR	O-C-N	20.62	150.02	122.59
1	56	94	THR	O-C-N	20.62	150.02	122.59
1	6A	94	THR	O-C-N	20.62	150.02	122.59
1	12	48	TYR	CD1-CG-CD2	20.62	149.03	118.10
1	16	48	TYR	CD1-CG-CD2	20.62	149.03	118.10
1	2A	48	TYR	CD1-CG-CD2	20.62	149.03	118.10
1	3Q	48	TYR	CD1-CG-CD2	20.62	149.03	118.10
1	3U	48	TYR	CD1-CG-CD2	20.62	149.03	118.10
1	3Y	48	TYR	CD1-CG-CD2	20.62	149.03	118.10
1	5E	48	TYR	CD1-CG-CD2	20.62	149.03	118.10
1	5I	48	TYR	CD1-CG-CD2	20.62	149.03	118.10
1	5M	48	TYR	CD1-CG-CD2	20.62	149.03	118.10
1	62	48	TYR	CD1-CG-CD2	20.62	149.03	118.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	48	TYR	CD1-CG-CD2	20.62	149.03	118.10
1	7A	48	TYR	CD1-CG-CD2	20.62	149.03	118.10
1	1A	94	THR	O-C-N	20.62	150.01	122.59
1	1I	94	THR	O-C-N	20.62	150.01	122.59
1	2E	94	THR	O-C-N	20.62	150.01	122.59
1	26	94	THR	O-C-N	20.62	150.01	122.59
1	3E	94	THR	O-C-N	20.62	150.01	122.59
1	4A	94	THR	O-C-N	20.62	150.01	122.59
1	4M	94	THR	O-C-N	20.62	150.01	122.59
1	4U	94	THR	O-C-N	20.62	150.01	122.59
1	5Q	94	THR	O-C-N	20.62	150.01	122.59
1	6I	94	THR	O-C-N	20.62	150.01	122.59
1	6Q	94	THR	O-C-N	20.62	150.01	122.59
1	7M	94	THR	O-C-N	20.62	150.01	122.59
1	1A	48	TYR	CD1-CG-CD2	20.61	149.02	118.10
1	1I	48	TYR	CD1-CG-CD2	20.61	149.02	118.10
1	2E	48	TYR	CD1-CG-CD2	20.61	149.02	118.10
1	26	48	TYR	CD1-CG-CD2	20.61	149.02	118.10
1	3E	48	TYR	CD1-CG-CD2	20.61	149.02	118.10
1	4A	48	TYR	CD1-CG-CD2	20.61	149.02	118.10
1	4M	48	TYR	CD1-CG-CD2	20.61	149.02	118.10
1	4U	48	TYR	CD1-CG-CD2	20.61	149.02	118.10
1	5Q	48	TYR	CD1-CG-CD2	20.61	149.02	118.10
1	6I	48	TYR	CD1-CG-CD2	20.61	149.02	118.10
1	6Q	48	TYR	CD1-CG-CD2	20.61	149.02	118.10
1	7M	48	TYR	CD1-CG-CD2	20.61	149.02	118.10
1	1E	29	TYR	CA-C-O	20.61	149.99	120.51
1	2M	29	TYR	CA-C-O	20.61	149.99	120.51
1	22	29	TYR	CA-C-O	20.61	149.99	120.51
1	3M	29	TYR	CA-C-O	20.61	149.99	120.51
1	36	29	TYR	CA-C-O	20.61	149.99	120.51
1	4I	29	TYR	CA-C-O	20.61	149.99	120.51
1	4Q	29	TYR	CA-C-O	20.61	149.99	120.51
1	5Y	29	TYR	CA-C-O	20.61	149.99	120.51
1	6E	29	TYR	CA-C-O	20.61	149.99	120.51
1	6Y	29	TYR	CA-C-O	20.61	149.99	120.51
1	7I	29	TYR	CA-C-O	20.61	149.99	120.51
1	7U	29	TYR	CA-C-O	20.61	149.99	120.51
1	1M	94	THR	O-C-N	20.61	150.00	122.59
1	1Q	29	TYR	CA-C-O	20.61	149.98	120.51
1	1U	29	TYR	CA-C-O	20.61	149.98	120.51
1	1Y	29	TYR	CA-C-O	20.61	149.98	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	94	THR	O-C-N	20.61	150.00	122.59
1	2Q	29	TYR	CA-C-O	20.61	149.98	120.51
1	2U	29	TYR	CA-C-O	20.61	149.98	120.51
1	2Y	29	TYR	CA-C-O	20.61	149.98	120.51
1	3A	94	THR	O-C-N	20.61	150.00	122.59
1	3I	94	THR	O-C-N	20.61	150.00	122.59
1	32	94	THR	O-C-N	20.61	150.00	122.59
1	4E	94	THR	O-C-N	20.61	150.00	122.59
1	4Y	94	THR	O-C-N	20.61	150.00	122.59
1	42	29	TYR	CA-C-O	20.61	149.98	120.51
1	46	29	TYR	CA-C-O	20.61	149.98	120.51
1	5A	29	TYR	CA-C-O	20.61	149.98	120.51
1	5U	94	THR	O-C-N	20.61	150.00	122.59
1	52	29	TYR	CA-C-O	20.61	149.98	120.51
1	56	29	TYR	CA-C-O	20.61	149.98	120.51
1	6A	29	TYR	CA-C-O	20.61	149.98	120.51
1	6M	94	THR	O-C-N	20.61	150.00	122.59
1	6U	94	THR	O-C-N	20.61	150.00	122.59
1	7E	94	THR	O-C-N	20.61	150.00	122.59
1	7Q	94	THR	O-C-N	20.61	150.00	122.59
1	1E	94	THR	O-C-N	20.59	149.97	122.59
1	2M	94	THR	O-C-N	20.59	149.97	122.59
1	22	94	THR	O-C-N	20.59	149.97	122.59
1	3M	94	THR	O-C-N	20.59	149.97	122.59
1	36	94	THR	O-C-N	20.59	149.97	122.59
1	4I	94	THR	O-C-N	20.59	149.97	122.59
1	4Q	94	THR	O-C-N	20.59	149.97	122.59
1	5Y	94	THR	O-C-N	20.59	149.97	122.59
1	6E	94	THR	O-C-N	20.59	149.97	122.59
1	6Y	94	THR	O-C-N	20.59	149.97	122.59
1	7I	94	THR	O-C-N	20.59	149.97	122.59
1	7U	94	THR	O-C-N	20.59	149.97	122.59
1	1M	18	PRO	N-CA-CB	20.58	124.86	103.25
1	2I	18	PRO	N-CA-CB	20.58	124.86	103.25
1	3A	18	PRO	N-CA-CB	20.58	124.86	103.25
1	3I	18	PRO	N-CA-CB	20.58	124.86	103.25
1	32	18	PRO	N-CA-CB	20.58	124.86	103.25
1	4E	18	PRO	N-CA-CB	20.58	124.86	103.25
1	4Y	18	PRO	N-CA-CB	20.58	124.86	103.25
1	5U	18	PRO	N-CA-CB	20.58	124.86	103.25
1	6M	18	PRO	N-CA-CB	20.58	124.86	103.25
1	6U	18	PRO	N-CA-CB	20.58	124.86	103.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	18	PRO	N-CA-CB	20.58	124.86	103.25
1	7Q	18	PRO	N-CA-CB	20.58	124.86	103.25
1	1Q	18	PRO	N-CA-CB	20.57	124.85	103.25
1	1U	18	PRO	N-CA-CB	20.57	124.85	103.25
1	1Y	18	PRO	N-CA-CB	20.57	124.85	103.25
1	2Q	18	PRO	N-CA-CB	20.57	124.85	103.25
1	2U	18	PRO	N-CA-CB	20.57	124.85	103.25
1	2Y	18	PRO	N-CA-CB	20.57	124.85	103.25
1	42	18	PRO	N-CA-CB	20.57	124.85	103.25
1	46	18	PRO	N-CA-CB	20.57	124.85	103.25
1	5A	18	PRO	N-CA-CB	20.57	124.85	103.25
1	52	18	PRO	N-CA-CB	20.57	124.85	103.25
1	56	18	PRO	N-CA-CB	20.57	124.85	103.25
1	6A	18	PRO	N-CA-CB	20.57	124.85	103.25
1	12	94	THR	O-C-N	20.55	149.93	122.59
1	16	94	THR	O-C-N	20.55	149.93	122.59
1	2A	94	THR	O-C-N	20.55	149.93	122.59
1	3Q	94	THR	O-C-N	20.55	149.93	122.59
1	3U	94	THR	O-C-N	20.55	149.93	122.59
1	3Y	94	THR	O-C-N	20.55	149.93	122.59
1	5E	94	THR	O-C-N	20.55	149.93	122.59
1	5I	94	THR	O-C-N	20.55	149.93	122.59
1	5M	94	THR	O-C-N	20.55	149.93	122.59
1	62	94	THR	O-C-N	20.55	149.93	122.59
1	66	94	THR	O-C-N	20.55	149.93	122.59
1	7A	94	THR	O-C-N	20.55	149.93	122.59
1	1A	18	PRO	N-CA-CB	20.55	124.83	103.25
1	1I	18	PRO	N-CA-CB	20.55	124.83	103.25
1	2E	18	PRO	N-CA-CB	20.55	124.83	103.25
1	26	18	PRO	N-CA-CB	20.55	124.83	103.25
1	3E	18	PRO	N-CA-CB	20.55	124.83	103.25
1	4A	18	PRO	N-CA-CB	20.55	124.83	103.25
1	4M	18	PRO	N-CA-CB	20.55	124.83	103.25
1	4U	18	PRO	N-CA-CB	20.55	124.83	103.25
1	5Q	18	PRO	N-CA-CB	20.55	124.83	103.25
1	6I	18	PRO	N-CA-CB	20.55	124.83	103.25
1	6Q	18	PRO	N-CA-CB	20.55	124.83	103.25
1	7M	18	PRO	N-CA-CB	20.55	124.83	103.25
2	13	107	PHE	CD1-CE1-CZ	20.55	156.98	120.00
2	17	107	PHE	CD1-CE1-CZ	20.55	156.98	120.00
2	2B	107	PHE	CD1-CE1-CZ	20.55	156.98	120.00
2	3R	107	PHE	CD1-CE1-CZ	20.55	156.98	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	107	PHE	CD1-CE1-CZ	20.55	156.98	120.00
2	3Z	107	PHE	CD1-CE1-CZ	20.55	156.98	120.00
2	5F	107	PHE	CD1-CE1-CZ	20.55	156.98	120.00
2	5J	107	PHE	CD1-CE1-CZ	20.55	156.98	120.00
2	5N	107	PHE	CD1-CE1-CZ	20.55	156.98	120.00
2	63	107	PHE	CD1-CE1-CZ	20.55	156.98	120.00
2	67	107	PHE	CD1-CE1-CZ	20.55	156.98	120.00
2	7B	107	PHE	CD1-CE1-CZ	20.55	156.98	120.00
2	1R	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	1V	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	1Z	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	2R	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	2V	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	2Z	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	43	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	47	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	5B	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	53	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	57	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	6B	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	1B	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	1J	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	2F	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	27	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	3F	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	4B	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	4N	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	4V	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	5R	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	6J	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	6R	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
2	7N	107	PHE	CD1-CE1-CZ	20.54	156.98	120.00
1	1E	18	PRO	N-CA-CB	20.54	124.82	103.25
2	1N	107	PHE	CD1-CE1-CZ	20.54	156.97	120.00
2	2J	107	PHE	CD1-CE1-CZ	20.54	156.97	120.00
1	2M	18	PRO	N-CA-CB	20.54	124.82	103.25
1	22	18	PRO	N-CA-CB	20.54	124.82	103.25
2	3B	107	PHE	CD1-CE1-CZ	20.54	156.97	120.00
2	3J	107	PHE	CD1-CE1-CZ	20.54	156.97	120.00
1	3M	18	PRO	N-CA-CB	20.54	124.82	103.25
2	33	107	PHE	CD1-CE1-CZ	20.54	156.97	120.00
1	36	18	PRO	N-CA-CB	20.54	124.82	103.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	107	PHE	CD1-CE1-CZ	20.54	156.97	120.00
1	4I	18	PRO	N-CA-CB	20.54	124.82	103.25
1	4Q	18	PRO	N-CA-CB	20.54	124.82	103.25
2	4Z	107	PHE	CD1-CE1-CZ	20.54	156.97	120.00
2	5V	107	PHE	CD1-CE1-CZ	20.54	156.97	120.00
1	5Y	18	PRO	N-CA-CB	20.54	124.82	103.25
1	6E	18	PRO	N-CA-CB	20.54	124.82	103.25
2	6N	107	PHE	CD1-CE1-CZ	20.54	156.97	120.00
2	6V	107	PHE	CD1-CE1-CZ	20.54	156.97	120.00
1	6Y	18	PRO	N-CA-CB	20.54	124.82	103.25
2	7F	107	PHE	CD1-CE1-CZ	20.54	156.97	120.00
1	7I	18	PRO	N-CA-CB	20.54	124.82	103.25
2	7R	107	PHE	CD1-CE1-CZ	20.54	156.97	120.00
1	7U	18	PRO	N-CA-CB	20.54	124.82	103.25
2	1N	107	PHE	N-CA-C	20.52	133.80	111.03
1	12	18	PRO	N-CA-CB	20.52	124.79	103.25
1	16	18	PRO	N-CA-CB	20.52	124.79	103.25
1	2A	18	PRO	N-CA-CB	20.52	124.79	103.25
2	2J	107	PHE	N-CA-C	20.52	133.80	111.03
2	3B	107	PHE	N-CA-C	20.52	133.80	111.03
2	3J	107	PHE	N-CA-C	20.52	133.80	111.03
1	3Q	18	PRO	N-CA-CB	20.52	124.79	103.25
1	3U	18	PRO	N-CA-CB	20.52	124.79	103.25
1	3Y	18	PRO	N-CA-CB	20.52	124.79	103.25
2	33	107	PHE	N-CA-C	20.52	133.80	111.03
2	4F	107	PHE	N-CA-C	20.52	133.80	111.03
2	4Z	107	PHE	N-CA-C	20.52	133.80	111.03
1	5E	18	PRO	N-CA-CB	20.52	124.79	103.25
1	5I	18	PRO	N-CA-CB	20.52	124.79	103.25
1	5M	18	PRO	N-CA-CB	20.52	124.79	103.25
2	5V	107	PHE	N-CA-C	20.52	133.80	111.03
2	6N	107	PHE	N-CA-C	20.52	133.80	111.03
2	6V	107	PHE	N-CA-C	20.52	133.80	111.03
1	62	18	PRO	N-CA-CB	20.52	124.79	103.25
1	66	18	PRO	N-CA-CB	20.52	124.79	103.25
1	7A	18	PRO	N-CA-CB	20.52	124.79	103.25
2	7F	107	PHE	N-CA-C	20.52	133.80	111.03
2	7R	107	PHE	N-CA-C	20.52	133.80	111.03
2	13	107	PHE	N-CA-C	20.50	133.79	111.03
2	17	107	PHE	N-CA-C	20.50	133.79	111.03
2	2B	107	PHE	N-CA-C	20.50	133.79	111.03
2	3R	107	PHE	N-CA-C	20.50	133.79	111.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	107	PHE	N-CA-C	20.50	133.79	111.03
2	3Z	107	PHE	N-CA-C	20.50	133.79	111.03
2	5F	107	PHE	N-CA-C	20.50	133.79	111.03
2	5J	107	PHE	N-CA-C	20.50	133.79	111.03
2	5N	107	PHE	N-CA-C	20.50	133.79	111.03
2	63	107	PHE	N-CA-C	20.50	133.79	111.03
2	67	107	PHE	N-CA-C	20.50	133.79	111.03
2	7B	107	PHE	N-CA-C	20.50	133.79	111.03
2	1R	107	PHE	N-CA-C	20.49	133.78	111.03
2	1V	107	PHE	N-CA-C	20.49	133.78	111.03
2	1Z	107	PHE	N-CA-C	20.49	133.78	111.03
2	2R	107	PHE	N-CA-C	20.49	133.78	111.03
2	2V	107	PHE	N-CA-C	20.49	133.78	111.03
2	2Z	107	PHE	N-CA-C	20.49	133.78	111.03
2	43	107	PHE	N-CA-C	20.49	133.78	111.03
2	47	107	PHE	N-CA-C	20.49	133.78	111.03
2	5B	107	PHE	N-CA-C	20.49	133.78	111.03
2	53	107	PHE	N-CA-C	20.49	133.78	111.03
2	57	107	PHE	N-CA-C	20.49	133.78	111.03
2	6B	107	PHE	N-CA-C	20.49	133.78	111.03
2	1F	107	PHE	CD1-CE1-CZ	20.49	156.88	120.00
2	2N	107	PHE	CD1-CE1-CZ	20.49	156.88	120.00
2	23	107	PHE	CD1-CE1-CZ	20.49	156.88	120.00
2	3N	107	PHE	CD1-CE1-CZ	20.49	156.88	120.00
2	37	107	PHE	CD1-CE1-CZ	20.49	156.88	120.00
2	4J	107	PHE	CD1-CE1-CZ	20.49	156.88	120.00
2	4R	107	PHE	CD1-CE1-CZ	20.49	156.88	120.00
2	5Z	107	PHE	CD1-CE1-CZ	20.49	156.88	120.00
2	6F	107	PHE	CD1-CE1-CZ	20.49	156.88	120.00
2	6Z	107	PHE	CD1-CE1-CZ	20.49	156.88	120.00
2	7J	107	PHE	CD1-CE1-CZ	20.49	156.88	120.00
2	7V	107	PHE	CD1-CE1-CZ	20.49	156.88	120.00
2	1F	107	PHE	N-CA-C	20.49	133.77	111.03
2	2N	107	PHE	N-CA-C	20.49	133.77	111.03
2	23	107	PHE	N-CA-C	20.49	133.77	111.03
2	3N	107	PHE	N-CA-C	20.49	133.77	111.03
2	37	107	PHE	N-CA-C	20.49	133.77	111.03
2	4J	107	PHE	N-CA-C	20.49	133.77	111.03
2	4R	107	PHE	N-CA-C	20.49	133.77	111.03
2	5Z	107	PHE	N-CA-C	20.49	133.77	111.03
2	6F	107	PHE	N-CA-C	20.49	133.77	111.03
2	6Z	107	PHE	N-CA-C	20.49	133.77	111.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	107	PHE	N-CA-C	20.49	133.77	111.03
2	7V	107	PHE	N-CA-C	20.49	133.77	111.03
2	1R	207	GLY	CA-C-N	-20.48	90.08	122.23
2	1R	207	GLY	C-N-CA	-20.48	90.08	122.23
2	1V	207	GLY	CA-C-N	-20.48	90.08	122.23
2	1V	207	GLY	C-N-CA	-20.48	90.08	122.23
2	1Z	207	GLY	CA-C-N	-20.48	90.08	122.23
2	1Z	207	GLY	C-N-CA	-20.48	90.08	122.23
2	2R	207	GLY	CA-C-N	-20.48	90.08	122.23
2	2R	207	GLY	C-N-CA	-20.48	90.08	122.23
2	2V	207	GLY	CA-C-N	-20.48	90.08	122.23
2	2V	207	GLY	C-N-CA	-20.48	90.08	122.23
2	2Z	207	GLY	CA-C-N	-20.48	90.08	122.23
2	2Z	207	GLY	C-N-CA	-20.48	90.08	122.23
2	43	207	GLY	CA-C-N	-20.48	90.08	122.23
2	43	207	GLY	C-N-CA	-20.48	90.08	122.23
2	47	207	GLY	CA-C-N	-20.48	90.08	122.23
2	47	207	GLY	C-N-CA	-20.48	90.08	122.23
2	5B	207	GLY	CA-C-N	-20.48	90.08	122.23
2	5B	207	GLY	C-N-CA	-20.48	90.08	122.23
2	53	207	GLY	CA-C-N	-20.48	90.08	122.23
2	53	207	GLY	C-N-CA	-20.48	90.08	122.23
2	57	207	GLY	CA-C-N	-20.48	90.08	122.23
2	57	207	GLY	C-N-CA	-20.48	90.08	122.23
2	6B	207	GLY	CA-C-N	-20.48	90.08	122.23
2	6B	207	GLY	C-N-CA	-20.48	90.08	122.23
2	1B	207	GLY	CA-C-N	-20.48	90.08	122.23
2	1B	207	GLY	C-N-CA	-20.48	90.08	122.23
2	1J	207	GLY	CA-C-N	-20.48	90.08	122.23
2	1J	207	GLY	C-N-CA	-20.48	90.08	122.23
2	2F	207	GLY	CA-C-N	-20.48	90.08	122.23
2	2F	207	GLY	C-N-CA	-20.48	90.08	122.23
2	27	207	GLY	CA-C-N	-20.48	90.08	122.23
2	27	207	GLY	C-N-CA	-20.48	90.08	122.23
2	3F	207	GLY	CA-C-N	-20.48	90.08	122.23
2	3F	207	GLY	C-N-CA	-20.48	90.08	122.23
2	4B	207	GLY	CA-C-N	-20.48	90.08	122.23
2	4B	207	GLY	C-N-CA	-20.48	90.08	122.23
2	4N	207	GLY	CA-C-N	-20.48	90.08	122.23
2	4N	207	GLY	C-N-CA	-20.48	90.08	122.23
2	4V	207	GLY	CA-C-N	-20.48	90.08	122.23
2	4V	207	GLY	C-N-CA	-20.48	90.08	122.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5R	207	GLY	CA-C-N	-20.48	90.08	122.23
2	5R	207	GLY	C-N-CA	-20.48	90.08	122.23
2	6J	207	GLY	CA-C-N	-20.48	90.08	122.23
2	6J	207	GLY	C-N-CA	-20.48	90.08	122.23
2	6R	207	GLY	CA-C-N	-20.48	90.08	122.23
2	6R	207	GLY	C-N-CA	-20.48	90.08	122.23
2	7N	207	GLY	CA-C-N	-20.48	90.08	122.23
2	7N	207	GLY	C-N-CA	-20.48	90.08	122.23
2	1N	207	GLY	CA-C-N	-20.47	90.09	122.23
2	1N	207	GLY	C-N-CA	-20.47	90.09	122.23
2	2J	207	GLY	CA-C-N	-20.47	90.09	122.23
2	2J	207	GLY	C-N-CA	-20.47	90.09	122.23
2	3B	207	GLY	CA-C-N	-20.47	90.09	122.23
2	3B	207	GLY	C-N-CA	-20.47	90.09	122.23
2	3J	207	GLY	CA-C-N	-20.47	90.09	122.23
2	3J	207	GLY	C-N-CA	-20.47	90.09	122.23
2	33	207	GLY	CA-C-N	-20.47	90.09	122.23
2	33	207	GLY	C-N-CA	-20.47	90.09	122.23
2	4F	207	GLY	CA-C-N	-20.47	90.09	122.23
2	4F	207	GLY	C-N-CA	-20.47	90.09	122.23
2	4Z	207	GLY	CA-C-N	-20.47	90.09	122.23
2	4Z	207	GLY	C-N-CA	-20.47	90.09	122.23
2	5V	207	GLY	CA-C-N	-20.47	90.09	122.23
2	5V	207	GLY	C-N-CA	-20.47	90.09	122.23
2	6N	207	GLY	CA-C-N	-20.47	90.09	122.23
2	6N	207	GLY	C-N-CA	-20.47	90.09	122.23
2	6V	207	GLY	CA-C-N	-20.47	90.09	122.23
2	6V	207	GLY	C-N-CA	-20.47	90.09	122.23
2	7F	207	GLY	CA-C-N	-20.47	90.09	122.23
2	7F	207	GLY	C-N-CA	-20.47	90.09	122.23
2	7R	207	GLY	CA-C-N	-20.47	90.09	122.23
2	7R	207	GLY	C-N-CA	-20.47	90.09	122.23
2	1B	107	PHE	N-CA-C	20.46	133.75	111.03
2	1J	107	PHE	N-CA-C	20.46	133.75	111.03
2	2F	107	PHE	N-CA-C	20.46	133.75	111.03
2	27	107	PHE	N-CA-C	20.46	133.75	111.03
2	3F	107	PHE	N-CA-C	20.46	133.75	111.03
2	4B	107	PHE	N-CA-C	20.46	133.75	111.03
2	4N	107	PHE	N-CA-C	20.46	133.75	111.03
2	4V	107	PHE	N-CA-C	20.46	133.75	111.03
2	5R	107	PHE	N-CA-C	20.46	133.75	111.03
2	6J	107	PHE	N-CA-C	20.46	133.75	111.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	107	PHE	N-CA-C	20.46	133.75	111.03
2	7N	107	PHE	N-CA-C	20.46	133.75	111.03
2	13	207	GLY	CA-C-N	-20.46	90.11	122.23
2	13	207	GLY	C-N-CA	-20.46	90.11	122.23
2	17	207	GLY	CA-C-N	-20.46	90.11	122.23
2	17	207	GLY	C-N-CA	-20.46	90.11	122.23
2	2B	207	GLY	CA-C-N	-20.46	90.11	122.23
2	2B	207	GLY	C-N-CA	-20.46	90.11	122.23
2	3R	207	GLY	CA-C-N	-20.46	90.11	122.23
2	3R	207	GLY	C-N-CA	-20.46	90.11	122.23
2	3V	207	GLY	CA-C-N	-20.46	90.11	122.23
2	3V	207	GLY	C-N-CA	-20.46	90.11	122.23
2	3Z	207	GLY	CA-C-N	-20.46	90.11	122.23
2	3Z	207	GLY	C-N-CA	-20.46	90.11	122.23
2	5F	207	GLY	CA-C-N	-20.46	90.11	122.23
2	5F	207	GLY	C-N-CA	-20.46	90.11	122.23
2	5J	207	GLY	CA-C-N	-20.46	90.11	122.23
2	5J	207	GLY	C-N-CA	-20.46	90.11	122.23
2	5N	207	GLY	CA-C-N	-20.46	90.11	122.23
2	5N	207	GLY	C-N-CA	-20.46	90.11	122.23
2	63	207	GLY	CA-C-N	-20.46	90.11	122.23
2	63	207	GLY	C-N-CA	-20.46	90.11	122.23
2	67	207	GLY	CA-C-N	-20.46	90.11	122.23
2	67	207	GLY	C-N-CA	-20.46	90.11	122.23
2	7B	207	GLY	CA-C-N	-20.46	90.11	122.23
2	7B	207	GLY	C-N-CA	-20.46	90.11	122.23
2	1F	207	GLY	CA-C-N	-20.45	90.12	122.23
2	1F	207	GLY	C-N-CA	-20.45	90.12	122.23
2	2N	207	GLY	CA-C-N	-20.45	90.12	122.23
2	2N	207	GLY	C-N-CA	-20.45	90.12	122.23
2	23	207	GLY	CA-C-N	-20.45	90.12	122.23
2	23	207	GLY	C-N-CA	-20.45	90.12	122.23
2	3N	207	GLY	CA-C-N	-20.45	90.12	122.23
2	3N	207	GLY	C-N-CA	-20.45	90.12	122.23
2	37	207	GLY	CA-C-N	-20.45	90.12	122.23
2	37	207	GLY	C-N-CA	-20.45	90.12	122.23
2	4J	207	GLY	CA-C-N	-20.45	90.12	122.23
2	4J	207	GLY	C-N-CA	-20.45	90.12	122.23
2	4R	207	GLY	CA-C-N	-20.45	90.12	122.23
2	4R	207	GLY	C-N-CA	-20.45	90.12	122.23
2	5Z	207	GLY	CA-C-N	-20.45	90.12	122.23
2	5Z	207	GLY	C-N-CA	-20.45	90.12	122.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	207	GLY	CA-C-N	-20.45	90.12	122.23
2	6F	207	GLY	C-N-CA	-20.45	90.12	122.23
2	6Z	207	GLY	CA-C-N	-20.45	90.12	122.23
2	6Z	207	GLY	C-N-CA	-20.45	90.12	122.23
2	7J	207	GLY	CA-C-N	-20.45	90.12	122.23
2	7J	207	GLY	C-N-CA	-20.45	90.12	122.23
2	7V	207	GLY	CA-C-N	-20.45	90.12	122.23
2	7V	207	GLY	C-N-CA	-20.45	90.12	122.23
1	1Q	40	SER	CA-C-O	20.42	143.20	121.55
1	1U	40	SER	CA-C-O	20.42	143.20	121.55
1	1Y	40	SER	CA-C-O	20.42	143.20	121.55
1	2Q	40	SER	CA-C-O	20.42	143.20	121.55
1	2U	40	SER	CA-C-O	20.42	143.20	121.55
1	2Y	40	SER	CA-C-O	20.42	143.20	121.55
1	42	40	SER	CA-C-O	20.42	143.20	121.55
1	46	40	SER	CA-C-O	20.42	143.20	121.55
1	5A	40	SER	CA-C-O	20.42	143.20	121.55
1	52	40	SER	CA-C-O	20.42	143.20	121.55
1	56	40	SER	CA-C-O	20.42	143.20	121.55
1	6A	40	SER	CA-C-O	20.42	143.20	121.55
1	1Q	43	HIS	ND1-CE1-NE2	-20.41	87.99	108.40
1	1U	43	HIS	ND1-CE1-NE2	-20.41	87.99	108.40
1	1Y	43	HIS	ND1-CE1-NE2	-20.41	87.99	108.40
1	2Q	43	HIS	ND1-CE1-NE2	-20.41	87.99	108.40
1	2U	43	HIS	ND1-CE1-NE2	-20.41	87.99	108.40
1	2Y	43	HIS	ND1-CE1-NE2	-20.41	87.99	108.40
1	42	43	HIS	ND1-CE1-NE2	-20.41	87.99	108.40
1	46	43	HIS	ND1-CE1-NE2	-20.41	87.99	108.40
1	5A	43	HIS	ND1-CE1-NE2	-20.41	87.99	108.40
1	52	43	HIS	ND1-CE1-NE2	-20.41	87.99	108.40
1	56	43	HIS	ND1-CE1-NE2	-20.41	87.99	108.40
1	6A	43	HIS	ND1-CE1-NE2	-20.41	87.99	108.40
1	1A	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	1I	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	12	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	16	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	2A	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	2E	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	26	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	3E	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	3Q	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	3U	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Y	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	4A	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	4M	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	4U	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	5E	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	5I	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	5M	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	5Q	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	6I	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	6Q	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	62	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	66	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	7A	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	7M	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	1E	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	2M	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	22	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	3M	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	36	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	4I	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	4Q	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	5Y	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	6E	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	6Y	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	7I	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	7U	43	HIS	ND1-CE1-NE2	-20.40	88.00	108.40
1	1M	43	HIS	ND1-CE1-NE2	-20.39	88.01	108.40
1	2I	43	HIS	ND1-CE1-NE2	-20.39	88.01	108.40
1	3A	43	HIS	ND1-CE1-NE2	-20.39	88.01	108.40
1	3I	43	HIS	ND1-CE1-NE2	-20.39	88.01	108.40
1	32	43	HIS	ND1-CE1-NE2	-20.39	88.01	108.40
1	4E	43	HIS	ND1-CE1-NE2	-20.39	88.01	108.40
1	4Y	43	HIS	ND1-CE1-NE2	-20.39	88.01	108.40
1	5U	43	HIS	ND1-CE1-NE2	-20.39	88.01	108.40
1	6M	43	HIS	ND1-CE1-NE2	-20.39	88.01	108.40
1	6U	43	HIS	ND1-CE1-NE2	-20.39	88.01	108.40
1	7E	43	HIS	ND1-CE1-NE2	-20.39	88.01	108.40
1	7Q	43	HIS	ND1-CE1-NE2	-20.39	88.01	108.40
1	1E	40	SER	CA-C-O	20.39	143.16	121.55
1	2M	40	SER	CA-C-O	20.39	143.16	121.55
1	22	40	SER	CA-C-O	20.39	143.16	121.55
1	3M	40	SER	CA-C-O	20.39	143.16	121.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	40	SER	CA-C-O	20.39	143.16	121.55
1	4I	40	SER	CA-C-O	20.39	143.16	121.55
1	4Q	40	SER	CA-C-O	20.39	143.16	121.55
1	5Y	40	SER	CA-C-O	20.39	143.16	121.55
1	6E	40	SER	CA-C-O	20.39	143.16	121.55
1	6Y	40	SER	CA-C-O	20.39	143.16	121.55
1	7I	40	SER	CA-C-O	20.39	143.16	121.55
1	7U	40	SER	CA-C-O	20.39	143.16	121.55
1	1M	40	SER	CA-C-O	20.37	143.15	121.55
1	2I	40	SER	CA-C-O	20.37	143.15	121.55
1	3A	40	SER	CA-C-O	20.37	143.15	121.55
1	3I	40	SER	CA-C-O	20.37	143.15	121.55
1	32	40	SER	CA-C-O	20.37	143.15	121.55
1	4E	40	SER	CA-C-O	20.37	143.15	121.55
1	4Y	40	SER	CA-C-O	20.37	143.15	121.55
1	5U	40	SER	CA-C-O	20.37	143.15	121.55
1	6M	40	SER	CA-C-O	20.37	143.15	121.55
1	6U	40	SER	CA-C-O	20.37	143.15	121.55
1	7E	40	SER	CA-C-O	20.37	143.15	121.55
1	7Q	40	SER	CA-C-O	20.37	143.15	121.55
1	1A	40	SER	CA-C-O	20.37	143.14	121.55
1	1I	40	SER	CA-C-O	20.37	143.14	121.55
1	2E	40	SER	CA-C-O	20.37	143.14	121.55
1	26	40	SER	CA-C-O	20.37	143.14	121.55
1	3E	40	SER	CA-C-O	20.37	143.14	121.55
1	4A	40	SER	CA-C-O	20.37	143.14	121.55
1	4M	40	SER	CA-C-O	20.37	143.14	121.55
1	4U	40	SER	CA-C-O	20.37	143.14	121.55
1	5Q	40	SER	CA-C-O	20.37	143.14	121.55
1	6I	40	SER	CA-C-O	20.37	143.14	121.55
1	6Q	40	SER	CA-C-O	20.37	143.14	121.55
1	7M	40	SER	CA-C-O	20.37	143.14	121.55
1	12	40	SER	CA-C-O	20.37	143.14	121.55
1	16	40	SER	CA-C-O	20.37	143.14	121.55
1	2A	40	SER	CA-C-O	20.37	143.14	121.55
1	3Q	40	SER	CA-C-O	20.37	143.14	121.55
1	3U	40	SER	CA-C-O	20.37	143.14	121.55
1	3Y	40	SER	CA-C-O	20.37	143.14	121.55
1	5E	40	SER	CA-C-O	20.37	143.14	121.55
1	5I	40	SER	CA-C-O	20.37	143.14	121.55
1	5M	40	SER	CA-C-O	20.37	143.14	121.55
1	62	40	SER	CA-C-O	20.37	143.14	121.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	40	SER	CA-C-O	20.37	143.14	121.55
1	7A	40	SER	CA-C-O	20.37	143.14	121.55
2	1F	226	ILE	CA-C-N	-20.32	94.00	122.86
2	1F	226	ILE	C-N-CA	-20.32	94.00	122.86
2	2N	226	ILE	CA-C-N	-20.32	94.00	122.86
2	2N	226	ILE	C-N-CA	-20.32	94.00	122.86
2	23	226	ILE	CA-C-N	-20.32	94.00	122.86
2	23	226	ILE	C-N-CA	-20.32	94.00	122.86
2	3N	226	ILE	CA-C-N	-20.32	94.00	122.86
2	3N	226	ILE	C-N-CA	-20.32	94.00	122.86
2	37	226	ILE	CA-C-N	-20.32	94.00	122.86
2	37	226	ILE	C-N-CA	-20.32	94.00	122.86
2	4J	226	ILE	CA-C-N	-20.32	94.00	122.86
2	4J	226	ILE	C-N-CA	-20.32	94.00	122.86
2	4R	226	ILE	CA-C-N	-20.32	94.00	122.86
2	4R	226	ILE	C-N-CA	-20.32	94.00	122.86
2	5Z	226	ILE	CA-C-N	-20.32	94.00	122.86
2	5Z	226	ILE	C-N-CA	-20.32	94.00	122.86
2	6F	226	ILE	CA-C-N	-20.32	94.00	122.86
2	6F	226	ILE	C-N-CA	-20.32	94.00	122.86
2	6Z	226	ILE	CA-C-N	-20.32	94.00	122.86
2	6Z	226	ILE	C-N-CA	-20.32	94.00	122.86
2	7J	226	ILE	CA-C-N	-20.32	94.00	122.86
2	7J	226	ILE	C-N-CA	-20.32	94.00	122.86
2	7V	226	ILE	CA-C-N	-20.32	94.00	122.86
2	7V	226	ILE	C-N-CA	-20.32	94.00	122.86
2	1N	226	ILE	CA-C-N	-20.31	94.02	122.86
2	1N	226	ILE	C-N-CA	-20.31	94.02	122.86
2	2J	226	ILE	CA-C-N	-20.31	94.02	122.86
2	2J	226	ILE	C-N-CA	-20.31	94.02	122.86
2	3B	226	ILE	CA-C-N	-20.31	94.02	122.86
2	3B	226	ILE	C-N-CA	-20.31	94.02	122.86
2	3J	226	ILE	CA-C-N	-20.31	94.02	122.86
2	3J	226	ILE	C-N-CA	-20.31	94.02	122.86
2	33	226	ILE	CA-C-N	-20.31	94.02	122.86
2	33	226	ILE	C-N-CA	-20.31	94.02	122.86
2	4F	226	ILE	CA-C-N	-20.31	94.02	122.86
2	4F	226	ILE	C-N-CA	-20.31	94.02	122.86
2	4Z	226	ILE	CA-C-N	-20.31	94.02	122.86
2	4Z	226	ILE	C-N-CA	-20.31	94.02	122.86
2	5V	226	ILE	CA-C-N	-20.31	94.02	122.86
2	5V	226	ILE	C-N-CA	-20.31	94.02	122.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6N	226	ILE	CA-C-N	-20.31	94.02	122.86
2	6N	226	ILE	C-N-CA	-20.31	94.02	122.86
2	6V	226	ILE	CA-C-N	-20.31	94.02	122.86
2	6V	226	ILE	C-N-CA	-20.31	94.02	122.86
2	7F	226	ILE	CA-C-N	-20.31	94.02	122.86
2	7F	226	ILE	C-N-CA	-20.31	94.02	122.86
2	7R	226	ILE	CA-C-N	-20.31	94.02	122.86
2	7R	226	ILE	C-N-CA	-20.31	94.02	122.86
2	13	226	ILE	CA-C-N	-20.31	94.02	122.86
2	13	226	ILE	C-N-CA	-20.31	94.02	122.86
2	17	226	ILE	CA-C-N	-20.31	94.02	122.86
2	17	226	ILE	C-N-CA	-20.31	94.02	122.86
2	2B	226	ILE	CA-C-N	-20.31	94.02	122.86
2	2B	226	ILE	C-N-CA	-20.31	94.02	122.86
2	3R	226	ILE	CA-C-N	-20.31	94.02	122.86
2	3R	226	ILE	C-N-CA	-20.31	94.02	122.86
2	3V	226	ILE	CA-C-N	-20.31	94.02	122.86
2	3V	226	ILE	C-N-CA	-20.31	94.02	122.86
2	3Z	226	ILE	CA-C-N	-20.31	94.02	122.86
2	3Z	226	ILE	C-N-CA	-20.31	94.02	122.86
2	5F	226	ILE	CA-C-N	-20.31	94.02	122.86
2	5F	226	ILE	C-N-CA	-20.31	94.02	122.86
2	5J	226	ILE	CA-C-N	-20.31	94.02	122.86
2	5J	226	ILE	C-N-CA	-20.31	94.02	122.86
2	5N	226	ILE	CA-C-N	-20.31	94.02	122.86
2	5N	226	ILE	C-N-CA	-20.31	94.02	122.86
2	63	226	ILE	CA-C-N	-20.31	94.02	122.86
2	63	226	ILE	C-N-CA	-20.31	94.02	122.86
2	67	226	ILE	CA-C-N	-20.31	94.02	122.86
2	67	226	ILE	C-N-CA	-20.31	94.02	122.86
2	7B	226	ILE	CA-C-N	-20.31	94.02	122.86
2	7B	226	ILE	C-N-CA	-20.31	94.02	122.86
2	1R	226	ILE	CA-C-N	-20.31	94.03	122.86
2	1R	226	ILE	C-N-CA	-20.31	94.03	122.86
2	1V	226	ILE	CA-C-N	-20.31	94.03	122.86
2	1V	226	ILE	C-N-CA	-20.31	94.03	122.86
2	1Z	226	ILE	CA-C-N	-20.31	94.03	122.86
2	1Z	226	ILE	C-N-CA	-20.31	94.03	122.86
2	2R	226	ILE	CA-C-N	-20.31	94.03	122.86
2	2R	226	ILE	C-N-CA	-20.31	94.03	122.86
2	2V	226	ILE	CA-C-N	-20.31	94.03	122.86
2	2V	226	ILE	C-N-CA	-20.31	94.03	122.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2Z	226	ILE	CA-C-N	-20.31	94.03	122.86
2	2Z	226	ILE	C-N-CA	-20.31	94.03	122.86
2	43	226	ILE	CA-C-N	-20.31	94.03	122.86
2	43	226	ILE	C-N-CA	-20.31	94.03	122.86
2	47	226	ILE	CA-C-N	-20.31	94.03	122.86
2	47	226	ILE	C-N-CA	-20.31	94.03	122.86
2	5B	226	ILE	CA-C-N	-20.31	94.03	122.86
2	5B	226	ILE	C-N-CA	-20.31	94.03	122.86
2	53	226	ILE	CA-C-N	-20.31	94.03	122.86
2	53	226	ILE	C-N-CA	-20.31	94.03	122.86
2	57	226	ILE	CA-C-N	-20.31	94.03	122.86
2	57	226	ILE	C-N-CA	-20.31	94.03	122.86
2	6B	226	ILE	CA-C-N	-20.31	94.03	122.86
2	6B	226	ILE	C-N-CA	-20.31	94.03	122.86
2	1B	226	ILE	CA-C-N	-20.30	94.03	122.86
2	1B	226	ILE	C-N-CA	-20.30	94.03	122.86
2	1J	226	ILE	CA-C-N	-20.30	94.03	122.86
2	1J	226	ILE	C-N-CA	-20.30	94.03	122.86
2	2F	226	ILE	CA-C-N	-20.30	94.03	122.86
2	2F	226	ILE	C-N-CA	-20.30	94.03	122.86
2	27	226	ILE	CA-C-N	-20.30	94.03	122.86
2	27	226	ILE	C-N-CA	-20.30	94.03	122.86
2	3F	226	ILE	CA-C-N	-20.30	94.03	122.86
2	3F	226	ILE	C-N-CA	-20.30	94.03	122.86
2	4B	226	ILE	CA-C-N	-20.30	94.03	122.86
2	4B	226	ILE	C-N-CA	-20.30	94.03	122.86
2	4N	226	ILE	CA-C-N	-20.30	94.03	122.86
2	4N	226	ILE	C-N-CA	-20.30	94.03	122.86
2	4V	226	ILE	CA-C-N	-20.30	94.03	122.86
2	4V	226	ILE	C-N-CA	-20.30	94.03	122.86
2	5R	226	ILE	CA-C-N	-20.30	94.03	122.86
2	5R	226	ILE	C-N-CA	-20.30	94.03	122.86
2	6J	226	ILE	CA-C-N	-20.30	94.03	122.86
2	6J	226	ILE	C-N-CA	-20.30	94.03	122.86
2	6R	226	ILE	CA-C-N	-20.30	94.03	122.86
2	6R	226	ILE	C-N-CA	-20.30	94.03	122.86
2	7N	226	ILE	CA-C-N	-20.30	94.03	122.86
2	7N	226	ILE	C-N-CA	-20.30	94.03	122.86
1	1A	43	HIS	CG-CD2-NE2	-20.27	86.93	107.20
1	1I	43	HIS	CG-CD2-NE2	-20.27	86.93	107.20
1	2E	43	HIS	CG-CD2-NE2	-20.27	86.93	107.20
1	26	43	HIS	CG-CD2-NE2	-20.27	86.93	107.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	43	HIS	CG-CD2-NE2	-20.27	86.93	107.20
1	4A	43	HIS	CG-CD2-NE2	-20.27	86.93	107.20
1	4M	43	HIS	CG-CD2-NE2	-20.27	86.93	107.20
1	4U	43	HIS	CG-CD2-NE2	-20.27	86.93	107.20
1	5Q	43	HIS	CG-CD2-NE2	-20.27	86.93	107.20
1	6I	43	HIS	CG-CD2-NE2	-20.27	86.93	107.20
1	6Q	43	HIS	CG-CD2-NE2	-20.27	86.93	107.20
1	7M	43	HIS	CG-CD2-NE2	-20.27	86.93	107.20
1	1E	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	1Q	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	1U	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	1Y	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	2M	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	2Q	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	2U	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	2Y	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	22	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	3M	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	36	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	4I	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	4Q	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	42	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	46	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	5A	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	5Y	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	52	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	56	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	6A	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	6E	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	6Y	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	7I	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	7U	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	12	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	16	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	2A	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	3Q	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	3U	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	3Y	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	5E	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	5I	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	5M	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	62	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	7A	43	HIS	CG-CD2-NE2	-20.26	86.94	107.20
1	1E	22	HIS	ND1-CG-CD2	-20.25	85.85	106.10
1	2M	22	HIS	ND1-CG-CD2	-20.25	85.85	106.10
1	22	22	HIS	ND1-CG-CD2	-20.25	85.85	106.10
1	3M	22	HIS	ND1-CG-CD2	-20.25	85.85	106.10
1	36	22	HIS	ND1-CG-CD2	-20.25	85.85	106.10
1	4I	22	HIS	ND1-CG-CD2	-20.25	85.85	106.10
1	4Q	22	HIS	ND1-CG-CD2	-20.25	85.85	106.10
1	5Y	22	HIS	ND1-CG-CD2	-20.25	85.85	106.10
1	6E	22	HIS	ND1-CG-CD2	-20.25	85.85	106.10
1	6Y	22	HIS	ND1-CG-CD2	-20.25	85.85	106.10
1	7I	22	HIS	ND1-CG-CD2	-20.25	85.85	106.10
1	7U	22	HIS	ND1-CG-CD2	-20.25	85.85	106.10
1	1Q	22	HIS	ND1-CG-CD2	-20.24	85.86	106.10
1	1U	22	HIS	ND1-CG-CD2	-20.24	85.86	106.10
1	1Y	22	HIS	ND1-CG-CD2	-20.24	85.86	106.10
1	2Q	22	HIS	ND1-CG-CD2	-20.24	85.86	106.10
1	2U	22	HIS	ND1-CG-CD2	-20.24	85.86	106.10
1	2Y	22	HIS	ND1-CG-CD2	-20.24	85.86	106.10
1	42	22	HIS	ND1-CG-CD2	-20.24	85.86	106.10
1	46	22	HIS	ND1-CG-CD2	-20.24	85.86	106.10
1	5A	22	HIS	ND1-CG-CD2	-20.24	85.86	106.10
1	52	22	HIS	ND1-CG-CD2	-20.24	85.86	106.10
1	56	22	HIS	ND1-CG-CD2	-20.24	85.86	106.10
1	6A	22	HIS	ND1-CG-CD2	-20.24	85.86	106.10
1	1M	43	HIS	CG-CD2-NE2	-20.23	86.97	107.20
1	2I	43	HIS	CG-CD2-NE2	-20.23	86.97	107.20
1	3A	43	HIS	CG-CD2-NE2	-20.23	86.97	107.20
1	3I	43	HIS	CG-CD2-NE2	-20.23	86.97	107.20
1	32	43	HIS	CG-CD2-NE2	-20.23	86.97	107.20
1	4E	43	HIS	CG-CD2-NE2	-20.23	86.97	107.20
1	4Y	43	HIS	CG-CD2-NE2	-20.23	86.97	107.20
1	5U	43	HIS	CG-CD2-NE2	-20.23	86.97	107.20
1	6M	43	HIS	CG-CD2-NE2	-20.23	86.97	107.20
1	6U	43	HIS	CG-CD2-NE2	-20.23	86.97	107.20
1	7E	43	HIS	CG-CD2-NE2	-20.23	86.97	107.20
1	7Q	43	HIS	CG-CD2-NE2	-20.23	86.97	107.20
1	1A	22	HIS	ND1-CG-CD2	-20.21	85.89	106.10
1	1I	22	HIS	ND1-CG-CD2	-20.21	85.89	106.10
1	2E	22	HIS	ND1-CG-CD2	-20.21	85.89	106.10
1	26	22	HIS	ND1-CG-CD2	-20.21	85.89	106.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	22	HIS	ND1-CG-CD2	-20.21	85.89	106.10
1	4A	22	HIS	ND1-CG-CD2	-20.21	85.89	106.10
1	4M	22	HIS	ND1-CG-CD2	-20.21	85.89	106.10
1	4U	22	HIS	ND1-CG-CD2	-20.21	85.89	106.10
1	5Q	22	HIS	ND1-CG-CD2	-20.21	85.89	106.10
1	6I	22	HIS	ND1-CG-CD2	-20.21	85.89	106.10
1	6Q	22	HIS	ND1-CG-CD2	-20.21	85.89	106.10
1	7M	22	HIS	ND1-CG-CD2	-20.21	85.89	106.10
1	12	22	HIS	ND1-CG-CD2	-20.20	85.90	106.10
1	16	22	HIS	ND1-CG-CD2	-20.20	85.90	106.10
1	2A	22	HIS	ND1-CG-CD2	-20.20	85.90	106.10
1	3Q	22	HIS	ND1-CG-CD2	-20.20	85.90	106.10
1	3U	22	HIS	ND1-CG-CD2	-20.20	85.90	106.10
1	3Y	22	HIS	ND1-CG-CD2	-20.20	85.90	106.10
1	5E	22	HIS	ND1-CG-CD2	-20.20	85.90	106.10
1	5I	22	HIS	ND1-CG-CD2	-20.20	85.90	106.10
1	5M	22	HIS	ND1-CG-CD2	-20.20	85.90	106.10
1	62	22	HIS	ND1-CG-CD2	-20.20	85.90	106.10
1	66	22	HIS	ND1-CG-CD2	-20.20	85.90	106.10
1	7A	22	HIS	ND1-CG-CD2	-20.20	85.90	106.10
1	1M	181	THR	O-C-N	20.18	149.43	122.59
1	2I	181	THR	O-C-N	20.18	149.43	122.59
1	3A	181	THR	O-C-N	20.18	149.43	122.59
1	3I	181	THR	O-C-N	20.18	149.43	122.59
1	32	181	THR	O-C-N	20.18	149.43	122.59
1	4E	181	THR	O-C-N	20.18	149.43	122.59
1	4Y	181	THR	O-C-N	20.18	149.43	122.59
1	5U	181	THR	O-C-N	20.18	149.43	122.59
1	6M	181	THR	O-C-N	20.18	149.43	122.59
1	6U	181	THR	O-C-N	20.18	149.43	122.59
1	7E	181	THR	O-C-N	20.18	149.43	122.59
1	7Q	181	THR	O-C-N	20.18	149.43	122.59
1	1M	22	HIS	ND1-CG-CD2	-20.18	85.92	106.10
1	2I	22	HIS	ND1-CG-CD2	-20.18	85.92	106.10
1	3A	22	HIS	ND1-CG-CD2	-20.18	85.92	106.10
1	3I	22	HIS	ND1-CG-CD2	-20.18	85.92	106.10
1	32	22	HIS	ND1-CG-CD2	-20.18	85.92	106.10
1	4E	22	HIS	ND1-CG-CD2	-20.18	85.92	106.10
1	4Y	22	HIS	ND1-CG-CD2	-20.18	85.92	106.10
1	5U	22	HIS	ND1-CG-CD2	-20.18	85.92	106.10
1	6M	22	HIS	ND1-CG-CD2	-20.18	85.92	106.10
1	6U	22	HIS	ND1-CG-CD2	-20.18	85.92	106.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	22	HIS	ND1-CG-CD2	-20.18	85.92	106.10
1	7Q	22	HIS	ND1-CG-CD2	-20.18	85.92	106.10
1	1Q	181	THR	O-C-N	20.16	149.40	122.59
1	1U	181	THR	O-C-N	20.16	149.40	122.59
1	1Y	181	THR	O-C-N	20.16	149.40	122.59
1	12	181	THR	O-C-N	20.16	149.40	122.59
1	16	181	THR	O-C-N	20.16	149.40	122.59
1	2A	181	THR	O-C-N	20.16	149.40	122.59
1	2Q	181	THR	O-C-N	20.16	149.40	122.59
1	2U	181	THR	O-C-N	20.16	149.40	122.59
1	2Y	181	THR	O-C-N	20.16	149.40	122.59
1	3Q	181	THR	O-C-N	20.16	149.40	122.59
1	3U	181	THR	O-C-N	20.16	149.40	122.59
1	3Y	181	THR	O-C-N	20.16	149.40	122.59
1	42	181	THR	O-C-N	20.16	149.40	122.59
1	46	181	THR	O-C-N	20.16	149.40	122.59
1	5A	181	THR	O-C-N	20.16	149.40	122.59
1	5E	181	THR	O-C-N	20.16	149.40	122.59
1	5I	181	THR	O-C-N	20.16	149.40	122.59
1	5M	181	THR	O-C-N	20.16	149.40	122.59
1	52	181	THR	O-C-N	20.16	149.40	122.59
1	56	181	THR	O-C-N	20.16	149.40	122.59
1	6A	181	THR	O-C-N	20.16	149.40	122.59
1	62	181	THR	O-C-N	20.16	149.40	122.59
1	66	181	THR	O-C-N	20.16	149.40	122.59
1	7A	181	THR	O-C-N	20.16	149.40	122.59
1	1M	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	12	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	16	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	2A	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	2I	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	3A	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	3I	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	3Q	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	3U	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	3Y	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	32	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	4E	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	4Y	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	5E	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	5I	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	5M	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5U	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	6M	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	6U	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	62	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	66	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	7A	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	7E	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	7Q	29	TYR	CG-CD2-CE2	-20.14	90.98	121.20
1	1A	29	TYR	CG-CD2-CE2	-20.14	91.00	121.20
1	1I	29	TYR	CG-CD2-CE2	-20.14	91.00	121.20
1	2E	29	TYR	CG-CD2-CE2	-20.14	91.00	121.20
1	26	29	TYR	CG-CD2-CE2	-20.14	91.00	121.20
1	3E	29	TYR	CG-CD2-CE2	-20.14	91.00	121.20
1	4A	29	TYR	CG-CD2-CE2	-20.14	91.00	121.20
1	4M	29	TYR	CG-CD2-CE2	-20.14	91.00	121.20
1	4U	29	TYR	CG-CD2-CE2	-20.14	91.00	121.20
1	5Q	29	TYR	CG-CD2-CE2	-20.14	91.00	121.20
1	6I	29	TYR	CG-CD2-CE2	-20.14	91.00	121.20
1	6Q	29	TYR	CG-CD2-CE2	-20.14	91.00	121.20
1	7M	29	TYR	CG-CD2-CE2	-20.14	91.00	121.20
1	1A	181	THR	O-C-N	20.13	149.37	122.59
1	1I	181	THR	O-C-N	20.13	149.37	122.59
1	2E	181	THR	O-C-N	20.13	149.37	122.59
1	26	181	THR	O-C-N	20.13	149.37	122.59
1	3E	181	THR	O-C-N	20.13	149.37	122.59
1	4A	181	THR	O-C-N	20.13	149.37	122.59
1	4M	181	THR	O-C-N	20.13	149.37	122.59
1	4U	181	THR	O-C-N	20.13	149.37	122.59
1	5Q	181	THR	O-C-N	20.13	149.37	122.59
1	6I	181	THR	O-C-N	20.13	149.37	122.59
1	6Q	181	THR	O-C-N	20.13	149.37	122.59
1	7M	181	THR	O-C-N	20.13	149.37	122.59
1	1E	181	THR	O-C-N	20.13	149.36	122.59
1	2M	181	THR	O-C-N	20.13	149.36	122.59
1	22	181	THR	O-C-N	20.13	149.36	122.59
1	3M	181	THR	O-C-N	20.13	149.36	122.59
1	36	181	THR	O-C-N	20.13	149.36	122.59
1	4I	181	THR	O-C-N	20.13	149.36	122.59
1	4Q	181	THR	O-C-N	20.13	149.36	122.59
1	5Y	181	THR	O-C-N	20.13	149.36	122.59
1	6E	181	THR	O-C-N	20.13	149.36	122.59
1	6Y	181	THR	O-C-N	20.13	149.36	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	181	THR	O-C-N	20.13	149.36	122.59
1	7U	181	THR	O-C-N	20.13	149.36	122.59
1	1E	29	TYR	CG-CD2-CE2	-20.12	91.02	121.20
1	2M	29	TYR	CG-CD2-CE2	-20.12	91.02	121.20
1	22	29	TYR	CG-CD2-CE2	-20.12	91.02	121.20
1	3M	29	TYR	CG-CD2-CE2	-20.12	91.02	121.20
1	36	29	TYR	CG-CD2-CE2	-20.12	91.02	121.20
1	4I	29	TYR	CG-CD2-CE2	-20.12	91.02	121.20
1	4Q	29	TYR	CG-CD2-CE2	-20.12	91.02	121.20
1	5Y	29	TYR	CG-CD2-CE2	-20.12	91.02	121.20
1	6E	29	TYR	CG-CD2-CE2	-20.12	91.02	121.20
1	6Y	29	TYR	CG-CD2-CE2	-20.12	91.02	121.20
1	7I	29	TYR	CG-CD2-CE2	-20.12	91.02	121.20
1	7U	29	TYR	CG-CD2-CE2	-20.12	91.02	121.20
1	1Q	29	TYR	CG-CD2-CE2	-20.12	91.03	121.20
1	1U	29	TYR	CG-CD2-CE2	-20.12	91.03	121.20
1	1Y	29	TYR	CG-CD2-CE2	-20.12	91.03	121.20
1	2Q	29	TYR	CG-CD2-CE2	-20.12	91.03	121.20
1	2U	29	TYR	CG-CD2-CE2	-20.12	91.03	121.20
1	2Y	29	TYR	CG-CD2-CE2	-20.12	91.03	121.20
1	42	29	TYR	CG-CD2-CE2	-20.12	91.03	121.20
1	46	29	TYR	CG-CD2-CE2	-20.12	91.03	121.20
1	5A	29	TYR	CG-CD2-CE2	-20.12	91.03	121.20
1	52	29	TYR	CG-CD2-CE2	-20.12	91.03	121.20
1	56	29	TYR	CG-CD2-CE2	-20.12	91.03	121.20
1	6A	29	TYR	CG-CD2-CE2	-20.12	91.03	121.20
1	1M	41	ILE	CA-CB-CG2	20.10	144.67	110.50
2	1R	108	HIS	CA-C-O	-20.10	91.77	120.51
2	1V	108	HIS	CA-C-O	-20.10	91.77	120.51
2	1Z	108	HIS	CA-C-O	-20.10	91.77	120.51
1	2I	41	ILE	CA-CB-CG2	20.10	144.67	110.50
2	2R	108	HIS	CA-C-O	-20.10	91.77	120.51
2	2V	108	HIS	CA-C-O	-20.10	91.77	120.51
2	2Z	108	HIS	CA-C-O	-20.10	91.77	120.51
1	3A	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	3I	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	32	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	4E	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	4Y	41	ILE	CA-CB-CG2	20.10	144.67	110.50
2	43	108	HIS	CA-C-O	-20.10	91.77	120.51
2	47	108	HIS	CA-C-O	-20.10	91.77	120.51
2	5B	108	HIS	CA-C-O	-20.10	91.77	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5U	41	ILE	CA-CB-CG2	20.10	144.67	110.50
2	53	108	HIS	CA-C-O	-20.10	91.77	120.51
2	57	108	HIS	CA-C-O	-20.10	91.77	120.51
2	6B	108	HIS	CA-C-O	-20.10	91.77	120.51
1	6M	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	6U	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	7E	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	7Q	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	1E	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	2M	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	22	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	3M	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	36	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	4I	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	4Q	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	5Y	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	6E	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	6Y	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	7I	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	7U	41	ILE	CA-CB-CG2	20.10	144.67	110.50
1	1A	41	ILE	CA-CB-CG2	20.09	144.65	110.50
2	1F	108	HIS	CA-C-O	-20.09	91.78	120.51
1	1I	41	ILE	CA-CB-CG2	20.09	144.65	110.50
1	2E	41	ILE	CA-CB-CG2	20.09	144.65	110.50
2	2N	108	HIS	CA-C-O	-20.09	91.78	120.51
2	23	108	HIS	CA-C-O	-20.09	91.78	120.51
1	26	41	ILE	CA-CB-CG2	20.09	144.65	110.50
1	3E	41	ILE	CA-CB-CG2	20.09	144.65	110.50
2	3N	108	HIS	CA-C-O	-20.09	91.78	120.51
2	37	108	HIS	CA-C-O	-20.09	91.78	120.51
1	4A	41	ILE	CA-CB-CG2	20.09	144.65	110.50
2	4J	108	HIS	CA-C-O	-20.09	91.78	120.51
1	4M	41	ILE	CA-CB-CG2	20.09	144.65	110.50
2	4R	108	HIS	CA-C-O	-20.09	91.78	120.51
1	4U	41	ILE	CA-CB-CG2	20.09	144.65	110.50
1	5Q	41	ILE	CA-CB-CG2	20.09	144.65	110.50
2	5Z	108	HIS	CA-C-O	-20.09	91.78	120.51
2	6F	108	HIS	CA-C-O	-20.09	91.78	120.51
1	6I	41	ILE	CA-CB-CG2	20.09	144.65	110.50
1	6Q	41	ILE	CA-CB-CG2	20.09	144.65	110.50
2	6Z	108	HIS	CA-C-O	-20.09	91.78	120.51
2	7J	108	HIS	CA-C-O	-20.09	91.78	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	41	ILE	CA-CB-CG2	20.09	144.65	110.50
2	7V	108	HIS	CA-C-O	-20.09	91.78	120.51
2	1B	108	HIS	CA-C-O	-20.06	91.82	120.51
2	1J	108	HIS	CA-C-O	-20.06	91.82	120.51
1	12	41	ILE	CA-CB-CG2	20.06	144.60	110.50
2	13	108	HIS	CA-C-O	-20.06	91.82	120.51
1	16	41	ILE	CA-CB-CG2	20.06	144.60	110.50
2	17	108	HIS	CA-C-O	-20.06	91.82	120.51
1	2A	41	ILE	CA-CB-CG2	20.06	144.60	110.50
2	2B	108	HIS	CA-C-O	-20.06	91.82	120.51
2	2F	108	HIS	CA-C-O	-20.06	91.82	120.51
2	27	108	HIS	CA-C-O	-20.06	91.82	120.51
2	3F	108	HIS	CA-C-O	-20.06	91.82	120.51
1	3Q	41	ILE	CA-CB-CG2	20.06	144.60	110.50
2	3R	108	HIS	CA-C-O	-20.06	91.82	120.51
1	3U	41	ILE	CA-CB-CG2	20.06	144.60	110.50
2	3V	108	HIS	CA-C-O	-20.06	91.82	120.51
1	3Y	41	ILE	CA-CB-CG2	20.06	144.60	110.50
2	3Z	108	HIS	CA-C-O	-20.06	91.82	120.51
2	4B	108	HIS	CA-C-O	-20.06	91.82	120.51
2	4N	108	HIS	CA-C-O	-20.06	91.82	120.51
2	4V	108	HIS	CA-C-O	-20.06	91.82	120.51
1	5E	41	ILE	CA-CB-CG2	20.06	144.60	110.50
2	5F	108	HIS	CA-C-O	-20.06	91.82	120.51
1	5I	41	ILE	CA-CB-CG2	20.06	144.60	110.50
2	5J	108	HIS	CA-C-O	-20.06	91.82	120.51
1	5M	41	ILE	CA-CB-CG2	20.06	144.60	110.50
2	5N	108	HIS	CA-C-O	-20.06	91.82	120.51
2	5R	108	HIS	CA-C-O	-20.06	91.82	120.51
2	6J	108	HIS	CA-C-O	-20.06	91.82	120.51
2	6R	108	HIS	CA-C-O	-20.06	91.82	120.51
1	62	41	ILE	CA-CB-CG2	20.06	144.60	110.50
2	63	108	HIS	CA-C-O	-20.06	91.82	120.51
1	66	41	ILE	CA-CB-CG2	20.06	144.60	110.50
2	67	108	HIS	CA-C-O	-20.06	91.82	120.51
1	7A	41	ILE	CA-CB-CG2	20.06	144.60	110.50
2	7B	108	HIS	CA-C-O	-20.06	91.82	120.51
2	7N	108	HIS	CA-C-O	-20.06	91.82	120.51
2	1N	108	HIS	CA-C-O	-20.06	91.82	120.51
2	2J	108	HIS	CA-C-O	-20.06	91.82	120.51
2	3B	108	HIS	CA-C-O	-20.06	91.82	120.51
2	3J	108	HIS	CA-C-O	-20.06	91.82	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	108	HIS	CA-C-O	-20.06	91.82	120.51
2	4F	108	HIS	CA-C-O	-20.06	91.82	120.51
2	4Z	108	HIS	CA-C-O	-20.06	91.82	120.51
2	5V	108	HIS	CA-C-O	-20.06	91.82	120.51
2	6N	108	HIS	CA-C-O	-20.06	91.82	120.51
2	6V	108	HIS	CA-C-O	-20.06	91.82	120.51
2	7F	108	HIS	CA-C-O	-20.06	91.82	120.51
2	7R	108	HIS	CA-C-O	-20.06	91.82	120.51
1	1Q	41	ILE	CA-CB-CG2	20.06	144.60	110.50
1	1U	41	ILE	CA-CB-CG2	20.06	144.60	110.50
1	1Y	41	ILE	CA-CB-CG2	20.06	144.60	110.50
1	2Q	41	ILE	CA-CB-CG2	20.06	144.60	110.50
1	2U	41	ILE	CA-CB-CG2	20.06	144.60	110.50
1	2Y	41	ILE	CA-CB-CG2	20.06	144.60	110.50
1	42	41	ILE	CA-CB-CG2	20.06	144.60	110.50
1	46	41	ILE	CA-CB-CG2	20.06	144.60	110.50
1	5A	41	ILE	CA-CB-CG2	20.06	144.60	110.50
1	52	41	ILE	CA-CB-CG2	20.06	144.60	110.50
1	56	41	ILE	CA-CB-CG2	20.06	144.60	110.50
1	6A	41	ILE	CA-CB-CG2	20.06	144.60	110.50
2	1F	53	LYS	N-CA-C	-19.98	84.67	112.45
2	2N	53	LYS	N-CA-C	-19.98	84.67	112.45
2	23	53	LYS	N-CA-C	-19.98	84.67	112.45
2	3N	53	LYS	N-CA-C	-19.98	84.67	112.45
2	37	53	LYS	N-CA-C	-19.98	84.67	112.45
2	4J	53	LYS	N-CA-C	-19.98	84.67	112.45
2	4R	53	LYS	N-CA-C	-19.98	84.67	112.45
2	5Z	53	LYS	N-CA-C	-19.98	84.67	112.45
2	6F	53	LYS	N-CA-C	-19.98	84.67	112.45
2	6Z	53	LYS	N-CA-C	-19.98	84.67	112.45
2	7J	53	LYS	N-CA-C	-19.98	84.67	112.45
2	7V	53	LYS	N-CA-C	-19.98	84.67	112.45
1	12	52	PHE	CA-CB-CG	19.98	133.78	113.80
1	16	52	PHE	CA-CB-CG	19.98	133.78	113.80
1	2A	52	PHE	CA-CB-CG	19.98	133.78	113.80
1	3Q	52	PHE	CA-CB-CG	19.98	133.78	113.80
1	3U	52	PHE	CA-CB-CG	19.98	133.78	113.80
1	3Y	52	PHE	CA-CB-CG	19.98	133.78	113.80
1	5E	52	PHE	CA-CB-CG	19.98	133.78	113.80
1	5I	52	PHE	CA-CB-CG	19.98	133.78	113.80
1	5M	52	PHE	CA-CB-CG	19.98	133.78	113.80
1	62	52	PHE	CA-CB-CG	19.98	133.78	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	52	PHE	CA-CB-CG	19.98	133.78	113.80
1	7A	52	PHE	CA-CB-CG	19.98	133.78	113.80
1	1A	172	PHE	O-C-N	-19.98	96.02	122.59
1	1I	172	PHE	O-C-N	-19.98	96.02	122.59
1	2E	172	PHE	O-C-N	-19.98	96.02	122.59
1	26	172	PHE	O-C-N	-19.98	96.02	122.59
1	3E	172	PHE	O-C-N	-19.98	96.02	122.59
1	4A	172	PHE	O-C-N	-19.98	96.02	122.59
1	4M	172	PHE	O-C-N	-19.98	96.02	122.59
1	4U	172	PHE	O-C-N	-19.98	96.02	122.59
1	5Q	172	PHE	O-C-N	-19.98	96.02	122.59
1	6I	172	PHE	O-C-N	-19.98	96.02	122.59
1	6Q	172	PHE	O-C-N	-19.98	96.02	122.59
1	7M	172	PHE	O-C-N	-19.98	96.02	122.59
1	1E	172	PHE	O-C-N	-19.97	96.03	122.59
1	2M	172	PHE	O-C-N	-19.97	96.03	122.59
1	22	172	PHE	O-C-N	-19.97	96.03	122.59
1	3M	172	PHE	O-C-N	-19.97	96.03	122.59
1	36	172	PHE	O-C-N	-19.97	96.03	122.59
1	4I	172	PHE	O-C-N	-19.97	96.03	122.59
1	4Q	172	PHE	O-C-N	-19.97	96.03	122.59
1	5Y	172	PHE	O-C-N	-19.97	96.03	122.59
1	6E	172	PHE	O-C-N	-19.97	96.03	122.59
1	6Y	172	PHE	O-C-N	-19.97	96.03	122.59
1	7I	172	PHE	O-C-N	-19.97	96.03	122.59
1	7U	172	PHE	O-C-N	-19.97	96.03	122.59
1	12	172	PHE	O-C-N	-19.97	96.03	122.59
1	16	172	PHE	O-C-N	-19.97	96.03	122.59
1	2A	172	PHE	O-C-N	-19.97	96.03	122.59
1	3Q	172	PHE	O-C-N	-19.97	96.03	122.59
1	3U	172	PHE	O-C-N	-19.97	96.03	122.59
1	3Y	172	PHE	O-C-N	-19.97	96.03	122.59
1	5E	172	PHE	O-C-N	-19.97	96.03	122.59
1	5I	172	PHE	O-C-N	-19.97	96.03	122.59
1	5M	172	PHE	O-C-N	-19.97	96.03	122.59
1	62	172	PHE	O-C-N	-19.97	96.03	122.59
1	66	172	PHE	O-C-N	-19.97	96.03	122.59
1	7A	172	PHE	O-C-N	-19.97	96.03	122.59
2	1B	53	LYS	N-CA-C	-19.97	84.70	112.45
2	1J	53	LYS	N-CA-C	-19.97	84.70	112.45
2	2F	53	LYS	N-CA-C	-19.97	84.70	112.45
2	27	53	LYS	N-CA-C	-19.97	84.70	112.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	53	LYS	N-CA-C	-19.97	84.70	112.45
2	4B	53	LYS	N-CA-C	-19.97	84.70	112.45
2	4N	53	LYS	N-CA-C	-19.97	84.70	112.45
2	4V	53	LYS	N-CA-C	-19.97	84.70	112.45
2	5R	53	LYS	N-CA-C	-19.97	84.70	112.45
2	6J	53	LYS	N-CA-C	-19.97	84.70	112.45
2	6R	53	LYS	N-CA-C	-19.97	84.70	112.45
2	7N	53	LYS	N-CA-C	-19.97	84.70	112.45
1	1Q	172	PHE	O-C-N	-19.96	96.04	122.59
1	1U	172	PHE	O-C-N	-19.96	96.04	122.59
1	1Y	172	PHE	O-C-N	-19.96	96.04	122.59
1	2Q	172	PHE	O-C-N	-19.96	96.04	122.59
1	2U	172	PHE	O-C-N	-19.96	96.04	122.59
1	2Y	172	PHE	O-C-N	-19.96	96.04	122.59
1	42	172	PHE	O-C-N	-19.96	96.04	122.59
1	46	172	PHE	O-C-N	-19.96	96.04	122.59
1	5A	172	PHE	O-C-N	-19.96	96.04	122.59
1	52	172	PHE	O-C-N	-19.96	96.04	122.59
1	56	172	PHE	O-C-N	-19.96	96.04	122.59
1	6A	172	PHE	O-C-N	-19.96	96.04	122.59
2	13	53	LYS	N-CA-C	-19.96	84.70	112.45
2	17	53	LYS	N-CA-C	-19.96	84.70	112.45
2	2B	53	LYS	N-CA-C	-19.96	84.70	112.45
2	3R	53	LYS	N-CA-C	-19.96	84.70	112.45
2	3V	53	LYS	N-CA-C	-19.96	84.70	112.45
2	3Z	53	LYS	N-CA-C	-19.96	84.70	112.45
2	5F	53	LYS	N-CA-C	-19.96	84.70	112.45
2	5J	53	LYS	N-CA-C	-19.96	84.70	112.45
2	5N	53	LYS	N-CA-C	-19.96	84.70	112.45
2	63	53	LYS	N-CA-C	-19.96	84.70	112.45
2	67	53	LYS	N-CA-C	-19.96	84.70	112.45
2	7B	53	LYS	N-CA-C	-19.96	84.70	112.45
2	1R	53	LYS	N-CA-C	-19.95	84.72	112.45
2	1V	53	LYS	N-CA-C	-19.95	84.72	112.45
2	1Z	53	LYS	N-CA-C	-19.95	84.72	112.45
2	2R	53	LYS	N-CA-C	-19.95	84.72	112.45
2	2V	53	LYS	N-CA-C	-19.95	84.72	112.45
2	2Z	53	LYS	N-CA-C	-19.95	84.72	112.45
2	43	53	LYS	N-CA-C	-19.95	84.72	112.45
2	47	53	LYS	N-CA-C	-19.95	84.72	112.45
2	5B	53	LYS	N-CA-C	-19.95	84.72	112.45
2	53	53	LYS	N-CA-C	-19.95	84.72	112.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	53	LYS	N-CA-C	-19.95	84.72	112.45
2	6B	53	LYS	N-CA-C	-19.95	84.72	112.45
1	1A	52	PHE	CA-CB-CG	19.95	133.75	113.80
1	1I	52	PHE	CA-CB-CG	19.95	133.75	113.80
1	2E	52	PHE	CA-CB-CG	19.95	133.75	113.80
1	26	52	PHE	CA-CB-CG	19.95	133.75	113.80
1	3E	52	PHE	CA-CB-CG	19.95	133.75	113.80
1	4A	52	PHE	CA-CB-CG	19.95	133.75	113.80
1	4M	52	PHE	CA-CB-CG	19.95	133.75	113.80
1	4U	52	PHE	CA-CB-CG	19.95	133.75	113.80
1	5Q	52	PHE	CA-CB-CG	19.95	133.75	113.80
1	6I	52	PHE	CA-CB-CG	19.95	133.75	113.80
1	6Q	52	PHE	CA-CB-CG	19.95	133.75	113.80
1	7M	52	PHE	CA-CB-CG	19.95	133.75	113.80
1	1M	172	PHE	O-C-N	-19.93	96.08	122.59
1	2I	172	PHE	O-C-N	-19.93	96.08	122.59
1	3A	172	PHE	O-C-N	-19.93	96.08	122.59
1	3I	172	PHE	O-C-N	-19.93	96.08	122.59
1	32	172	PHE	O-C-N	-19.93	96.08	122.59
1	4E	172	PHE	O-C-N	-19.93	96.08	122.59
1	4Y	172	PHE	O-C-N	-19.93	96.08	122.59
1	5U	172	PHE	O-C-N	-19.93	96.08	122.59
1	6M	172	PHE	O-C-N	-19.93	96.08	122.59
1	6U	172	PHE	O-C-N	-19.93	96.08	122.59
1	7E	172	PHE	O-C-N	-19.93	96.08	122.59
1	7Q	172	PHE	O-C-N	-19.93	96.08	122.59
1	1Q	52	PHE	CA-CB-CG	19.93	133.73	113.80
1	1U	52	PHE	CA-CB-CG	19.93	133.73	113.80
1	1Y	52	PHE	CA-CB-CG	19.93	133.73	113.80
1	2Q	52	PHE	CA-CB-CG	19.93	133.73	113.80
1	2U	52	PHE	CA-CB-CG	19.93	133.73	113.80
1	2Y	52	PHE	CA-CB-CG	19.93	133.73	113.80
1	42	52	PHE	CA-CB-CG	19.93	133.73	113.80
1	46	52	PHE	CA-CB-CG	19.93	133.73	113.80
1	5A	52	PHE	CA-CB-CG	19.93	133.73	113.80
1	52	52	PHE	CA-CB-CG	19.93	133.73	113.80
1	56	52	PHE	CA-CB-CG	19.93	133.73	113.80
1	6A	52	PHE	CA-CB-CG	19.93	133.73	113.80
2	1N	53	LYS	N-CA-C	-19.92	84.75	112.45
2	2J	53	LYS	N-CA-C	-19.92	84.75	112.45
2	3B	53	LYS	N-CA-C	-19.92	84.75	112.45
2	3J	53	LYS	N-CA-C	-19.92	84.75	112.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	53	LYS	N-CA-C	-19.92	84.75	112.45
2	4F	53	LYS	N-CA-C	-19.92	84.75	112.45
2	4Z	53	LYS	N-CA-C	-19.92	84.75	112.45
2	5V	53	LYS	N-CA-C	-19.92	84.75	112.45
2	6N	53	LYS	N-CA-C	-19.92	84.75	112.45
2	6V	53	LYS	N-CA-C	-19.92	84.75	112.45
2	7F	53	LYS	N-CA-C	-19.92	84.75	112.45
2	7R	53	LYS	N-CA-C	-19.92	84.75	112.45
1	1E	52	PHE	CA-CB-CG	19.92	133.72	113.80
1	2M	52	PHE	CA-CB-CG	19.92	133.72	113.80
1	22	52	PHE	CA-CB-CG	19.92	133.72	113.80
1	3M	52	PHE	CA-CB-CG	19.92	133.72	113.80
1	36	52	PHE	CA-CB-CG	19.92	133.72	113.80
1	4I	52	PHE	CA-CB-CG	19.92	133.72	113.80
1	4Q	52	PHE	CA-CB-CG	19.92	133.72	113.80
1	5Y	52	PHE	CA-CB-CG	19.92	133.72	113.80
1	6E	52	PHE	CA-CB-CG	19.92	133.72	113.80
1	6Y	52	PHE	CA-CB-CG	19.92	133.72	113.80
1	7I	52	PHE	CA-CB-CG	19.92	133.72	113.80
1	7U	52	PHE	CA-CB-CG	19.92	133.72	113.80
1	1M	52	PHE	CA-CB-CG	19.89	133.69	113.80
1	2I	52	PHE	CA-CB-CG	19.89	133.69	113.80
1	3A	52	PHE	CA-CB-CG	19.89	133.69	113.80
1	3I	52	PHE	CA-CB-CG	19.89	133.69	113.80
1	32	52	PHE	CA-CB-CG	19.89	133.69	113.80
1	4E	52	PHE	CA-CB-CG	19.89	133.69	113.80
1	4Y	52	PHE	CA-CB-CG	19.89	133.69	113.80
1	5U	52	PHE	CA-CB-CG	19.89	133.69	113.80
1	6M	52	PHE	CA-CB-CG	19.89	133.69	113.80
1	6U	52	PHE	CA-CB-CG	19.89	133.69	113.80
1	7E	52	PHE	CA-CB-CG	19.89	133.69	113.80
1	7Q	52	PHE	CA-CB-CG	19.89	133.69	113.80
2	1R	31	PHE	CG-CD2-CE2	-19.84	86.98	120.70
2	1V	31	PHE	CG-CD2-CE2	-19.84	86.98	120.70
2	1Z	31	PHE	CG-CD2-CE2	-19.84	86.98	120.70
2	2R	31	PHE	CG-CD2-CE2	-19.84	86.98	120.70
2	2V	31	PHE	CG-CD2-CE2	-19.84	86.98	120.70
2	2Z	31	PHE	CG-CD2-CE2	-19.84	86.98	120.70
2	43	31	PHE	CG-CD2-CE2	-19.84	86.98	120.70
2	47	31	PHE	CG-CD2-CE2	-19.84	86.98	120.70
2	5B	31	PHE	CG-CD2-CE2	-19.84	86.98	120.70
2	53	31	PHE	CG-CD2-CE2	-19.84	86.98	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	31	PHE	CG-CD2-CE2	-19.84	86.98	120.70
2	6B	31	PHE	CG-CD2-CE2	-19.84	86.98	120.70
2	13	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	17	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	2B	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	3R	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	3V	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	3Z	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	5F	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	5J	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	5N	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	63	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	67	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	7B	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	1B	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	1J	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	2F	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	27	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	3F	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	4B	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	4N	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	4V	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	5R	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	6J	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	6R	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	7N	31	PHE	CG-CD2-CE2	-19.81	87.02	120.70
2	1N	31	PHE	CG-CD2-CE2	-19.80	87.05	120.70
2	2J	31	PHE	CG-CD2-CE2	-19.80	87.05	120.70
2	3B	31	PHE	CG-CD2-CE2	-19.80	87.05	120.70
2	3J	31	PHE	CG-CD2-CE2	-19.80	87.05	120.70
2	33	31	PHE	CG-CD2-CE2	-19.80	87.05	120.70
2	4F	31	PHE	CG-CD2-CE2	-19.80	87.05	120.70
2	4Z	31	PHE	CG-CD2-CE2	-19.80	87.05	120.70
2	5V	31	PHE	CG-CD2-CE2	-19.80	87.05	120.70
2	6N	31	PHE	CG-CD2-CE2	-19.80	87.05	120.70
2	6V	31	PHE	CG-CD2-CE2	-19.80	87.05	120.70
2	7F	31	PHE	CG-CD2-CE2	-19.80	87.05	120.70
2	7R	31	PHE	CG-CD2-CE2	-19.80	87.05	120.70
2	1F	31	PHE	CG-CD2-CE2	-19.78	87.07	120.70
2	2N	31	PHE	CG-CD2-CE2	-19.78	87.07	120.70
2	23	31	PHE	CG-CD2-CE2	-19.78	87.07	120.70
2	3N	31	PHE	CG-CD2-CE2	-19.78	87.07	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	31	PHE	CG-CD2-CE2	-19.78	87.07	120.70
2	4J	31	PHE	CG-CD2-CE2	-19.78	87.07	120.70
2	4R	31	PHE	CG-CD2-CE2	-19.78	87.07	120.70
2	5Z	31	PHE	CG-CD2-CE2	-19.78	87.07	120.70
2	6F	31	PHE	CG-CD2-CE2	-19.78	87.07	120.70
2	6Z	31	PHE	CG-CD2-CE2	-19.78	87.07	120.70
2	7J	31	PHE	CG-CD2-CE2	-19.78	87.07	120.70
2	7V	31	PHE	CG-CD2-CE2	-19.78	87.07	120.70
1	1E	43	HIS	ND1-CG-CD2	19.71	125.81	106.10
1	2M	43	HIS	ND1-CG-CD2	19.71	125.81	106.10
1	22	43	HIS	ND1-CG-CD2	19.71	125.81	106.10
1	3M	43	HIS	ND1-CG-CD2	19.71	125.81	106.10
1	36	43	HIS	ND1-CG-CD2	19.71	125.81	106.10
1	4I	43	HIS	ND1-CG-CD2	19.71	125.81	106.10
1	4Q	43	HIS	ND1-CG-CD2	19.71	125.81	106.10
1	5Y	43	HIS	ND1-CG-CD2	19.71	125.81	106.10
1	6E	43	HIS	ND1-CG-CD2	19.71	125.81	106.10
1	6Y	43	HIS	ND1-CG-CD2	19.71	125.81	106.10
1	7I	43	HIS	ND1-CG-CD2	19.71	125.81	106.10
1	7U	43	HIS	ND1-CG-CD2	19.71	125.81	106.10
1	1M	147	ARG	NE-CZ-NH2	-19.70	101.47	119.20
1	1Q	43	HIS	ND1-CG-CD2	19.70	125.80	106.10
1	1U	43	HIS	ND1-CG-CD2	19.70	125.80	106.10
1	1Y	43	HIS	ND1-CG-CD2	19.70	125.80	106.10
1	2I	147	ARG	NE-CZ-NH2	-19.70	101.47	119.20
1	2Q	43	HIS	ND1-CG-CD2	19.70	125.80	106.10
1	2U	43	HIS	ND1-CG-CD2	19.70	125.80	106.10
1	2Y	43	HIS	ND1-CG-CD2	19.70	125.80	106.10
1	3A	147	ARG	NE-CZ-NH2	-19.70	101.47	119.20
1	3I	147	ARG	NE-CZ-NH2	-19.70	101.47	119.20
1	32	147	ARG	NE-CZ-NH2	-19.70	101.47	119.20
1	4E	147	ARG	NE-CZ-NH2	-19.70	101.47	119.20
1	4Y	147	ARG	NE-CZ-NH2	-19.70	101.47	119.20
1	42	43	HIS	ND1-CG-CD2	19.70	125.80	106.10
1	46	43	HIS	ND1-CG-CD2	19.70	125.80	106.10
1	5A	43	HIS	ND1-CG-CD2	19.70	125.80	106.10
1	5U	147	ARG	NE-CZ-NH2	-19.70	101.47	119.20
1	52	43	HIS	ND1-CG-CD2	19.70	125.80	106.10
1	56	43	HIS	ND1-CG-CD2	19.70	125.80	106.10
1	6A	43	HIS	ND1-CG-CD2	19.70	125.80	106.10
1	6M	147	ARG	NE-CZ-NH2	-19.70	101.47	119.20
1	6U	147	ARG	NE-CZ-NH2	-19.70	101.47	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	147	ARG	NE-CZ-NH2	-19.70	101.47	119.20
1	7Q	147	ARG	NE-CZ-NH2	-19.70	101.47	119.20
1	1E	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	2M	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	22	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	3M	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	36	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	4I	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	4Q	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	5Y	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	6E	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	6Y	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	7I	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	7U	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	1A	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	1I	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	2E	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	26	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	3E	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	4A	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	4M	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	4U	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	5Q	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	6I	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	6Q	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	7M	147	ARG	NE-CZ-NH2	-19.69	101.48	119.20
1	1Q	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	1U	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	1Y	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	12	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	16	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	2A	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	2Q	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	2U	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	2Y	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	3Q	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	3U	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	3Y	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	42	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	46	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	5A	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	5E	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5I	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	5M	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	52	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	56	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	6A	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	62	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	66	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
1	7A	147	ARG	NE-CZ-NH2	-19.67	101.50	119.20
2	1R	41	PHE	CB-CA-C	19.67	143.44	110.79
2	1V	41	PHE	CB-CA-C	19.67	143.44	110.79
2	1Z	41	PHE	CB-CA-C	19.67	143.44	110.79
2	2R	41	PHE	CB-CA-C	19.67	143.44	110.79
2	2V	41	PHE	CB-CA-C	19.67	143.44	110.79
2	2Z	41	PHE	CB-CA-C	19.67	143.44	110.79
2	43	41	PHE	CB-CA-C	19.67	143.44	110.79
2	47	41	PHE	CB-CA-C	19.67	143.44	110.79
2	5B	41	PHE	CB-CA-C	19.67	143.44	110.79
2	53	41	PHE	CB-CA-C	19.67	143.44	110.79
2	57	41	PHE	CB-CA-C	19.67	143.44	110.79
2	6B	41	PHE	CB-CA-C	19.67	143.44	110.79
2	1N	41	PHE	CB-CA-C	19.67	143.44	110.79
2	2J	41	PHE	CB-CA-C	19.67	143.44	110.79
2	3B	41	PHE	CB-CA-C	19.67	143.44	110.79
2	3J	41	PHE	CB-CA-C	19.67	143.44	110.79
2	33	41	PHE	CB-CA-C	19.67	143.44	110.79
2	4F	41	PHE	CB-CA-C	19.67	143.44	110.79
2	4Z	41	PHE	CB-CA-C	19.67	143.44	110.79
2	5V	41	PHE	CB-CA-C	19.67	143.44	110.79
2	6N	41	PHE	CB-CA-C	19.67	143.44	110.79
2	6V	41	PHE	CB-CA-C	19.67	143.44	110.79
2	7F	41	PHE	CB-CA-C	19.67	143.44	110.79
2	7R	41	PHE	CB-CA-C	19.67	143.44	110.79
1	12	150	TYR	CG-CD1-CE1	-19.66	91.71	121.20
1	16	150	TYR	CG-CD1-CE1	-19.66	91.71	121.20
1	2A	150	TYR	CG-CD1-CE1	-19.66	91.71	121.20
1	3Q	150	TYR	CG-CD1-CE1	-19.66	91.71	121.20
1	3U	150	TYR	CG-CD1-CE1	-19.66	91.71	121.20
1	3Y	150	TYR	CG-CD1-CE1	-19.66	91.71	121.20
1	5E	150	TYR	CG-CD1-CE1	-19.66	91.71	121.20
1	5I	150	TYR	CG-CD1-CE1	-19.66	91.71	121.20
1	5M	150	TYR	CG-CD1-CE1	-19.66	91.71	121.20
1	62	150	TYR	CG-CD1-CE1	-19.66	91.71	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	150	TYR	CG-CD1-CE1	-19.66	91.71	121.20
1	7A	150	TYR	CG-CD1-CE1	-19.66	91.71	121.20
2	13	41	PHE	CB-CA-C	19.66	143.42	110.79
2	17	41	PHE	CB-CA-C	19.66	143.42	110.79
2	2B	41	PHE	CB-CA-C	19.66	143.42	110.79
2	3R	41	PHE	CB-CA-C	19.66	143.42	110.79
2	3V	41	PHE	CB-CA-C	19.66	143.42	110.79
2	3Z	41	PHE	CB-CA-C	19.66	143.42	110.79
2	5F	41	PHE	CB-CA-C	19.66	143.42	110.79
2	5J	41	PHE	CB-CA-C	19.66	143.42	110.79
2	5N	41	PHE	CB-CA-C	19.66	143.42	110.79
2	63	41	PHE	CB-CA-C	19.66	143.42	110.79
2	67	41	PHE	CB-CA-C	19.66	143.42	110.79
2	7B	41	PHE	CB-CA-C	19.66	143.42	110.79
1	1A	150	TYR	CG-CD1-CE1	-19.66	91.72	121.20
1	1I	150	TYR	CG-CD1-CE1	-19.66	91.72	121.20
1	2E	150	TYR	CG-CD1-CE1	-19.66	91.72	121.20
1	26	150	TYR	CG-CD1-CE1	-19.66	91.72	121.20
1	3E	150	TYR	CG-CD1-CE1	-19.66	91.72	121.20
1	4A	150	TYR	CG-CD1-CE1	-19.66	91.72	121.20
1	4M	150	TYR	CG-CD1-CE1	-19.66	91.72	121.20
1	4U	150	TYR	CG-CD1-CE1	-19.66	91.72	121.20
1	5Q	150	TYR	CG-CD1-CE1	-19.66	91.72	121.20
1	6I	150	TYR	CG-CD1-CE1	-19.66	91.72	121.20
1	6Q	150	TYR	CG-CD1-CE1	-19.66	91.72	121.20
1	7M	150	TYR	CG-CD1-CE1	-19.66	91.72	121.20
1	1A	43	HIS	ND1-CG-CD2	19.65	125.75	106.10
1	1I	43	HIS	ND1-CG-CD2	19.65	125.75	106.10
1	2E	43	HIS	ND1-CG-CD2	19.65	125.75	106.10
1	26	43	HIS	ND1-CG-CD2	19.65	125.75	106.10
1	3E	43	HIS	ND1-CG-CD2	19.65	125.75	106.10
1	4A	43	HIS	ND1-CG-CD2	19.65	125.75	106.10
1	4M	43	HIS	ND1-CG-CD2	19.65	125.75	106.10
1	4U	43	HIS	ND1-CG-CD2	19.65	125.75	106.10
1	5Q	43	HIS	ND1-CG-CD2	19.65	125.75	106.10
1	6I	43	HIS	ND1-CG-CD2	19.65	125.75	106.10
1	6Q	43	HIS	ND1-CG-CD2	19.65	125.75	106.10
1	7M	43	HIS	ND1-CG-CD2	19.65	125.75	106.10
2	1F	41	PHE	CB-CA-C	19.65	143.41	110.79
2	2N	41	PHE	CB-CA-C	19.65	143.41	110.79
2	23	41	PHE	CB-CA-C	19.65	143.41	110.79
2	3N	41	PHE	CB-CA-C	19.65	143.41	110.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	41	PHE	CB-CA-C	19.65	143.41	110.79
2	4J	41	PHE	CB-CA-C	19.65	143.41	110.79
2	4R	41	PHE	CB-CA-C	19.65	143.41	110.79
2	5Z	41	PHE	CB-CA-C	19.65	143.41	110.79
2	6F	41	PHE	CB-CA-C	19.65	143.41	110.79
2	6Z	41	PHE	CB-CA-C	19.65	143.41	110.79
2	7J	41	PHE	CB-CA-C	19.65	143.41	110.79
2	7V	41	PHE	CB-CA-C	19.65	143.41	110.79
1	1E	150	TYR	CG-CD1-CE1	-19.65	91.73	121.20
1	2M	150	TYR	CG-CD1-CE1	-19.65	91.73	121.20
1	22	150	TYR	CG-CD1-CE1	-19.65	91.73	121.20
1	3M	150	TYR	CG-CD1-CE1	-19.65	91.73	121.20
1	36	150	TYR	CG-CD1-CE1	-19.65	91.73	121.20
1	4I	150	TYR	CG-CD1-CE1	-19.65	91.73	121.20
1	4Q	150	TYR	CG-CD1-CE1	-19.65	91.73	121.20
1	5Y	150	TYR	CG-CD1-CE1	-19.65	91.73	121.20
1	6E	150	TYR	CG-CD1-CE1	-19.65	91.73	121.20
1	6Y	150	TYR	CG-CD1-CE1	-19.65	91.73	121.20
1	7I	150	TYR	CG-CD1-CE1	-19.65	91.73	121.20
1	7U	150	TYR	CG-CD1-CE1	-19.65	91.73	121.20
2	1B	41	PHE	CB-CA-C	19.64	143.40	110.79
2	1J	41	PHE	CB-CA-C	19.64	143.40	110.79
2	2F	41	PHE	CB-CA-C	19.64	143.40	110.79
2	27	41	PHE	CB-CA-C	19.64	143.40	110.79
2	3F	41	PHE	CB-CA-C	19.64	143.40	110.79
2	4B	41	PHE	CB-CA-C	19.64	143.40	110.79
2	4N	41	PHE	CB-CA-C	19.64	143.40	110.79
2	4V	41	PHE	CB-CA-C	19.64	143.40	110.79
2	5R	41	PHE	CB-CA-C	19.64	143.40	110.79
2	6J	41	PHE	CB-CA-C	19.64	143.40	110.79
2	6R	41	PHE	CB-CA-C	19.64	143.40	110.79
2	7N	41	PHE	CB-CA-C	19.64	143.40	110.79
1	1M	43	HIS	ND1-CG-CD2	19.64	125.74	106.10
1	1M	150	TYR	CG-CD1-CE1	-19.64	91.74	121.20
1	2I	43	HIS	ND1-CG-CD2	19.64	125.74	106.10
1	2I	150	TYR	CG-CD1-CE1	-19.64	91.74	121.20
1	3A	43	HIS	ND1-CG-CD2	19.64	125.74	106.10
1	3A	150	TYR	CG-CD1-CE1	-19.64	91.74	121.20
1	3I	43	HIS	ND1-CG-CD2	19.64	125.74	106.10
1	3I	150	TYR	CG-CD1-CE1	-19.64	91.74	121.20
1	32	43	HIS	ND1-CG-CD2	19.64	125.74	106.10
1	32	150	TYR	CG-CD1-CE1	-19.64	91.74	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	43	HIS	ND1-CG-CD2	19.64	125.74	106.10
1	4E	150	TYR	CG-CD1-CE1	-19.64	91.74	121.20
1	4Y	43	HIS	ND1-CG-CD2	19.64	125.74	106.10
1	4Y	150	TYR	CG-CD1-CE1	-19.64	91.74	121.20
1	5U	43	HIS	ND1-CG-CD2	19.64	125.74	106.10
1	5U	150	TYR	CG-CD1-CE1	-19.64	91.74	121.20
1	6M	43	HIS	ND1-CG-CD2	19.64	125.74	106.10
1	6M	150	TYR	CG-CD1-CE1	-19.64	91.74	121.20
1	6U	43	HIS	ND1-CG-CD2	19.64	125.74	106.10
1	6U	150	TYR	CG-CD1-CE1	-19.64	91.74	121.20
1	7E	43	HIS	ND1-CG-CD2	19.64	125.74	106.10
1	7E	150	TYR	CG-CD1-CE1	-19.64	91.74	121.20
1	7Q	43	HIS	ND1-CG-CD2	19.64	125.74	106.10
1	7Q	150	TYR	CG-CD1-CE1	-19.64	91.74	121.20
1	12	43	HIS	ND1-CG-CD2	19.64	125.73	106.10
1	16	43	HIS	ND1-CG-CD2	19.64	125.73	106.10
1	2A	43	HIS	ND1-CG-CD2	19.64	125.73	106.10
1	3Q	43	HIS	ND1-CG-CD2	19.64	125.73	106.10
1	3U	43	HIS	ND1-CG-CD2	19.64	125.73	106.10
1	3Y	43	HIS	ND1-CG-CD2	19.64	125.73	106.10
1	5E	43	HIS	ND1-CG-CD2	19.64	125.73	106.10
1	5I	43	HIS	ND1-CG-CD2	19.64	125.73	106.10
1	5M	43	HIS	ND1-CG-CD2	19.64	125.73	106.10
1	62	43	HIS	ND1-CG-CD2	19.64	125.73	106.10
1	66	43	HIS	ND1-CG-CD2	19.64	125.73	106.10
1	7A	43	HIS	ND1-CG-CD2	19.64	125.73	106.10
1	1Q	150	TYR	CG-CD1-CE1	-19.63	91.76	121.20
1	1U	150	TYR	CG-CD1-CE1	-19.63	91.76	121.20
1	1Y	150	TYR	CG-CD1-CE1	-19.63	91.76	121.20
1	2Q	150	TYR	CG-CD1-CE1	-19.63	91.76	121.20
1	2U	150	TYR	CG-CD1-CE1	-19.63	91.76	121.20
1	2Y	150	TYR	CG-CD1-CE1	-19.63	91.76	121.20
1	42	150	TYR	CG-CD1-CE1	-19.63	91.76	121.20
1	46	150	TYR	CG-CD1-CE1	-19.63	91.76	121.20
1	5A	150	TYR	CG-CD1-CE1	-19.63	91.76	121.20
1	52	150	TYR	CG-CD1-CE1	-19.63	91.76	121.20
1	56	150	TYR	CG-CD1-CE1	-19.63	91.76	121.20
1	6A	150	TYR	CG-CD1-CE1	-19.63	91.76	121.20
1	1Q	41	ILE	O-C-N	-19.53	100.96	122.83
1	1U	41	ILE	O-C-N	-19.53	100.96	122.83
1	1Y	41	ILE	O-C-N	-19.53	100.96	122.83
1	2Q	41	ILE	O-C-N	-19.53	100.96	122.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	41	ILE	O-C-N	-19.53	100.96	122.83
1	2Y	41	ILE	O-C-N	-19.53	100.96	122.83
1	42	41	ILE	O-C-N	-19.53	100.96	122.83
1	46	41	ILE	O-C-N	-19.53	100.96	122.83
1	5A	41	ILE	O-C-N	-19.53	100.96	122.83
1	52	41	ILE	O-C-N	-19.53	100.96	122.83
1	56	41	ILE	O-C-N	-19.53	100.96	122.83
1	6A	41	ILE	O-C-N	-19.53	100.96	122.83
1	1A	41	ILE	O-C-N	-19.52	100.96	122.83
1	1I	41	ILE	O-C-N	-19.52	100.96	122.83
1	2E	41	ILE	O-C-N	-19.52	100.96	122.83
1	26	41	ILE	O-C-N	-19.52	100.96	122.83
1	3E	41	ILE	O-C-N	-19.52	100.96	122.83
1	4A	41	ILE	O-C-N	-19.52	100.96	122.83
1	4M	41	ILE	O-C-N	-19.52	100.96	122.83
1	4U	41	ILE	O-C-N	-19.52	100.96	122.83
1	5Q	41	ILE	O-C-N	-19.52	100.96	122.83
1	6I	41	ILE	O-C-N	-19.52	100.96	122.83
1	6Q	41	ILE	O-C-N	-19.52	100.96	122.83
1	7M	41	ILE	O-C-N	-19.52	100.96	122.83
1	1E	41	ILE	O-C-N	-19.51	100.97	122.83
1	2M	41	ILE	O-C-N	-19.51	100.97	122.83
1	22	41	ILE	O-C-N	-19.51	100.97	122.83
1	3M	41	ILE	O-C-N	-19.51	100.97	122.83
1	36	41	ILE	O-C-N	-19.51	100.97	122.83
1	4I	41	ILE	O-C-N	-19.51	100.97	122.83
1	4Q	41	ILE	O-C-N	-19.51	100.97	122.83
1	5Y	41	ILE	O-C-N	-19.51	100.97	122.83
1	6E	41	ILE	O-C-N	-19.51	100.97	122.83
1	6Y	41	ILE	O-C-N	-19.51	100.97	122.83
1	7I	41	ILE	O-C-N	-19.51	100.97	122.83
1	7U	41	ILE	O-C-N	-19.51	100.97	122.83
1	1A	89	PHE	CD1-CE1-CZ	-19.51	84.88	120.00
1	1I	89	PHE	CD1-CE1-CZ	-19.51	84.88	120.00
1	2E	89	PHE	CD1-CE1-CZ	-19.51	84.88	120.00
1	26	89	PHE	CD1-CE1-CZ	-19.51	84.88	120.00
1	3E	89	PHE	CD1-CE1-CZ	-19.51	84.88	120.00
1	4A	89	PHE	CD1-CE1-CZ	-19.51	84.88	120.00
1	4M	89	PHE	CD1-CE1-CZ	-19.51	84.88	120.00
1	4U	89	PHE	CD1-CE1-CZ	-19.51	84.88	120.00
1	5Q	89	PHE	CD1-CE1-CZ	-19.51	84.88	120.00
1	6I	89	PHE	CD1-CE1-CZ	-19.51	84.88	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	89	PHE	CD1-CE1-CZ	-19.51	84.88	120.00
1	7M	89	PHE	CD1-CE1-CZ	-19.51	84.88	120.00
1	12	89	PHE	CD1-CE1-CZ	-19.50	84.89	120.00
1	16	89	PHE	CD1-CE1-CZ	-19.50	84.89	120.00
1	2A	89	PHE	CD1-CE1-CZ	-19.50	84.89	120.00
1	3Q	89	PHE	CD1-CE1-CZ	-19.50	84.89	120.00
1	3U	89	PHE	CD1-CE1-CZ	-19.50	84.89	120.00
1	3Y	89	PHE	CD1-CE1-CZ	-19.50	84.89	120.00
1	5E	89	PHE	CD1-CE1-CZ	-19.50	84.89	120.00
1	5I	89	PHE	CD1-CE1-CZ	-19.50	84.89	120.00
1	5M	89	PHE	CD1-CE1-CZ	-19.50	84.89	120.00
1	62	89	PHE	CD1-CE1-CZ	-19.50	84.89	120.00
1	66	89	PHE	CD1-CE1-CZ	-19.50	84.89	120.00
1	7A	89	PHE	CD1-CE1-CZ	-19.50	84.89	120.00
1	1M	89	PHE	CD1-CE1-CZ	-19.50	84.90	120.00
1	2I	89	PHE	CD1-CE1-CZ	-19.50	84.90	120.00
1	3A	89	PHE	CD1-CE1-CZ	-19.50	84.90	120.00
1	3I	89	PHE	CD1-CE1-CZ	-19.50	84.90	120.00
1	32	89	PHE	CD1-CE1-CZ	-19.50	84.90	120.00
1	4E	89	PHE	CD1-CE1-CZ	-19.50	84.90	120.00
1	4Y	89	PHE	CD1-CE1-CZ	-19.50	84.90	120.00
1	5U	89	PHE	CD1-CE1-CZ	-19.50	84.90	120.00
1	6M	89	PHE	CD1-CE1-CZ	-19.50	84.90	120.00
1	6U	89	PHE	CD1-CE1-CZ	-19.50	84.90	120.00
1	7E	89	PHE	CD1-CE1-CZ	-19.50	84.90	120.00
1	7Q	89	PHE	CD1-CE1-CZ	-19.50	84.90	120.00
1	12	41	ILE	O-C-N	-19.50	100.99	122.83
1	16	41	ILE	O-C-N	-19.50	100.99	122.83
1	2A	41	ILE	O-C-N	-19.50	100.99	122.83
1	3Q	41	ILE	O-C-N	-19.50	100.99	122.83
1	3U	41	ILE	O-C-N	-19.50	100.99	122.83
1	3Y	41	ILE	O-C-N	-19.50	100.99	122.83
1	5E	41	ILE	O-C-N	-19.50	100.99	122.83
1	5I	41	ILE	O-C-N	-19.50	100.99	122.83
1	5M	41	ILE	O-C-N	-19.50	100.99	122.83
1	62	41	ILE	O-C-N	-19.50	100.99	122.83
1	66	41	ILE	O-C-N	-19.50	100.99	122.83
1	7A	41	ILE	O-C-N	-19.50	100.99	122.83
1	1E	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	1Q	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	1U	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	1Y	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	2Q	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	2U	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	2Y	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	22	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	3M	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	36	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	4I	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	4Q	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	42	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	46	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	5A	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	5Y	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	52	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	56	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	6A	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	6E	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	6Y	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	7I	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	7U	89	PHE	CD1-CE1-CZ	-19.48	84.93	120.00
1	1M	41	ILE	O-C-N	-19.46	101.03	122.83
1	2I	41	ILE	O-C-N	-19.46	101.03	122.83
1	3A	41	ILE	O-C-N	-19.46	101.03	122.83
1	3I	41	ILE	O-C-N	-19.46	101.03	122.83
1	32	41	ILE	O-C-N	-19.46	101.03	122.83
1	4E	41	ILE	O-C-N	-19.46	101.03	122.83
1	4Y	41	ILE	O-C-N	-19.46	101.03	122.83
1	5U	41	ILE	O-C-N	-19.46	101.03	122.83
1	6M	41	ILE	O-C-N	-19.46	101.03	122.83
1	6U	41	ILE	O-C-N	-19.46	101.03	122.83
1	7E	41	ILE	O-C-N	-19.46	101.03	122.83
1	7Q	41	ILE	O-C-N	-19.46	101.03	122.83
1	1E	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	2M	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	22	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	3M	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	36	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	4I	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	4Q	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	5Y	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	6E	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	6Y	172	PHE	CB-CG-CD2	19.38	153.65	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	7U	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	1Q	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	1U	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	1Y	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	2Q	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	2U	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	2Y	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	42	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	46	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	5A	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	52	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	56	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	6A	172	PHE	CB-CG-CD2	19.38	153.65	120.70
1	1M	172	PHE	CB-CG-CD2	19.38	153.64	120.70
1	2I	172	PHE	CB-CG-CD2	19.38	153.64	120.70
1	3A	172	PHE	CB-CG-CD2	19.38	153.64	120.70
1	3I	172	PHE	CB-CG-CD2	19.38	153.64	120.70
1	32	172	PHE	CB-CG-CD2	19.38	153.64	120.70
1	4E	172	PHE	CB-CG-CD2	19.38	153.64	120.70
1	4Y	172	PHE	CB-CG-CD2	19.38	153.64	120.70
1	5U	172	PHE	CB-CG-CD2	19.38	153.64	120.70
1	6M	172	PHE	CB-CG-CD2	19.38	153.64	120.70
1	6U	172	PHE	CB-CG-CD2	19.38	153.64	120.70
1	7E	172	PHE	CB-CG-CD2	19.38	153.64	120.70
1	7Q	172	PHE	CB-CG-CD2	19.38	153.64	120.70
1	1A	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	1I	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	2E	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	26	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	3E	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	4A	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	4M	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	4U	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	5Q	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	6I	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	6Q	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	7M	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	12	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	16	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	2A	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	3Q	172	PHE	CB-CG-CD2	19.37	153.63	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	3Y	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	5E	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	5I	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	5M	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	62	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	66	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	7A	172	PHE	CB-CG-CD2	19.37	153.63	120.70
1	1M	28	GLY	O-C-N	19.30	140.72	122.19
1	2I	28	GLY	O-C-N	19.30	140.72	122.19
1	3A	28	GLY	O-C-N	19.30	140.72	122.19
1	3I	28	GLY	O-C-N	19.30	140.72	122.19
1	32	28	GLY	O-C-N	19.30	140.72	122.19
1	4E	28	GLY	O-C-N	19.30	140.72	122.19
1	4Y	28	GLY	O-C-N	19.30	140.72	122.19
1	5U	28	GLY	O-C-N	19.30	140.72	122.19
1	6M	28	GLY	O-C-N	19.30	140.72	122.19
1	6U	28	GLY	O-C-N	19.30	140.72	122.19
1	7E	28	GLY	O-C-N	19.30	140.72	122.19
1	7Q	28	GLY	O-C-N	19.30	140.72	122.19
1	12	28	GLY	O-C-N	19.29	140.71	122.19
1	16	28	GLY	O-C-N	19.29	140.71	122.19
1	2A	28	GLY	O-C-N	19.29	140.71	122.19
1	3Q	28	GLY	O-C-N	19.29	140.71	122.19
1	3U	28	GLY	O-C-N	19.29	140.71	122.19
1	3Y	28	GLY	O-C-N	19.29	140.71	122.19
1	5E	28	GLY	O-C-N	19.29	140.71	122.19
1	5I	28	GLY	O-C-N	19.29	140.71	122.19
1	5M	28	GLY	O-C-N	19.29	140.71	122.19
1	62	28	GLY	O-C-N	19.29	140.71	122.19
1	66	28	GLY	O-C-N	19.29	140.71	122.19
1	7A	28	GLY	O-C-N	19.29	140.71	122.19
2	1B	27	PRO	CA-CB-CG	-19.29	67.85	104.50
2	1J	27	PRO	CA-CB-CG	-19.29	67.85	104.50
2	2F	27	PRO	CA-CB-CG	-19.29	67.85	104.50
2	27	27	PRO	CA-CB-CG	-19.29	67.85	104.50
2	3F	27	PRO	CA-CB-CG	-19.29	67.85	104.50
2	4B	27	PRO	CA-CB-CG	-19.29	67.85	104.50
2	4N	27	PRO	CA-CB-CG	-19.29	67.85	104.50
2	4V	27	PRO	CA-CB-CG	-19.29	67.85	104.50
2	5R	27	PRO	CA-CB-CG	-19.29	67.85	104.50
2	6J	27	PRO	CA-CB-CG	-19.29	67.85	104.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	27	PRO	CA-CB-CG	-19.29	67.85	104.50
2	7N	27	PRO	CA-CB-CG	-19.29	67.85	104.50
2	1R	27	PRO	CA-CB-CG	-19.29	67.86	104.50
2	1V	27	PRO	CA-CB-CG	-19.29	67.86	104.50
2	1Z	27	PRO	CA-CB-CG	-19.29	67.86	104.50
2	2R	27	PRO	CA-CB-CG	-19.29	67.86	104.50
2	2V	27	PRO	CA-CB-CG	-19.29	67.86	104.50
2	2Z	27	PRO	CA-CB-CG	-19.29	67.86	104.50
2	43	27	PRO	CA-CB-CG	-19.29	67.86	104.50
2	47	27	PRO	CA-CB-CG	-19.29	67.86	104.50
2	5B	27	PRO	CA-CB-CG	-19.29	67.86	104.50
2	53	27	PRO	CA-CB-CG	-19.29	67.86	104.50
2	57	27	PRO	CA-CB-CG	-19.29	67.86	104.50
2	6B	27	PRO	CA-CB-CG	-19.29	67.86	104.50
2	1N	27	PRO	CA-CB-CG	-19.28	67.86	104.50
2	2J	27	PRO	CA-CB-CG	-19.28	67.86	104.50
2	3B	27	PRO	CA-CB-CG	-19.28	67.86	104.50
2	3J	27	PRO	CA-CB-CG	-19.28	67.86	104.50
2	33	27	PRO	CA-CB-CG	-19.28	67.86	104.50
2	4F	27	PRO	CA-CB-CG	-19.28	67.86	104.50
2	4Z	27	PRO	CA-CB-CG	-19.28	67.86	104.50
2	5V	27	PRO	CA-CB-CG	-19.28	67.86	104.50
2	6N	27	PRO	CA-CB-CG	-19.28	67.86	104.50
2	6V	27	PRO	CA-CB-CG	-19.28	67.86	104.50
2	7F	27	PRO	CA-CB-CG	-19.28	67.86	104.50
2	7R	27	PRO	CA-CB-CG	-19.28	67.86	104.50
1	1Q	50	ARG	NE-CZ-NH1	-19.28	102.22	121.50
1	1U	50	ARG	NE-CZ-NH1	-19.28	102.22	121.50
1	1Y	50	ARG	NE-CZ-NH1	-19.28	102.22	121.50
1	2Q	50	ARG	NE-CZ-NH1	-19.28	102.22	121.50
1	2U	50	ARG	NE-CZ-NH1	-19.28	102.22	121.50
1	2Y	50	ARG	NE-CZ-NH1	-19.28	102.22	121.50
1	42	50	ARG	NE-CZ-NH1	-19.28	102.22	121.50
1	46	50	ARG	NE-CZ-NH1	-19.28	102.22	121.50
1	5A	50	ARG	NE-CZ-NH1	-19.28	102.22	121.50
1	52	50	ARG	NE-CZ-NH1	-19.28	102.22	121.50
1	56	50	ARG	NE-CZ-NH1	-19.28	102.22	121.50
1	6A	50	ARG	NE-CZ-NH1	-19.28	102.22	121.50
2	13	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	17	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	2B	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	3R	27	PRO	CA-CB-CG	-19.27	67.88	104.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	3Z	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	5F	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	5J	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	5N	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	63	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	67	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	7B	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	1F	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	2N	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	23	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	3N	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	37	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	4J	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	4R	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	5Z	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	6F	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	6Z	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	7J	27	PRO	CA-CB-CG	-19.27	67.88	104.50
2	7V	27	PRO	CA-CB-CG	-19.27	67.88	104.50
1	1E	28	GLY	O-C-N	19.27	140.69	122.19
1	2M	28	GLY	O-C-N	19.27	140.69	122.19
1	22	28	GLY	O-C-N	19.27	140.69	122.19
1	3M	28	GLY	O-C-N	19.27	140.69	122.19
1	36	28	GLY	O-C-N	19.27	140.69	122.19
1	4I	28	GLY	O-C-N	19.27	140.69	122.19
1	4Q	28	GLY	O-C-N	19.27	140.69	122.19
1	5Y	28	GLY	O-C-N	19.27	140.69	122.19
1	6E	28	GLY	O-C-N	19.27	140.69	122.19
1	6Y	28	GLY	O-C-N	19.27	140.69	122.19
1	7I	28	GLY	O-C-N	19.27	140.69	122.19
1	7U	28	GLY	O-C-N	19.27	140.69	122.19
1	1A	28	GLY	O-C-N	19.25	140.68	122.19
1	1A	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	1I	28	GLY	O-C-N	19.25	140.68	122.19
1	1I	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	1M	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	1Q	28	GLY	O-C-N	19.25	140.68	122.19
1	1U	28	GLY	O-C-N	19.25	140.68	122.19
1	1Y	28	GLY	O-C-N	19.25	140.68	122.19
1	12	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	16	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	2E	28	GLY	O-C-N	19.25	140.68	122.19
1	2E	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	2I	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	2Q	28	GLY	O-C-N	19.25	140.68	122.19
1	2U	28	GLY	O-C-N	19.25	140.68	122.19
1	2Y	28	GLY	O-C-N	19.25	140.68	122.19
1	26	28	GLY	O-C-N	19.25	140.68	122.19
1	26	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	3A	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	3E	28	GLY	O-C-N	19.25	140.68	122.19
1	3E	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	3I	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	3Q	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	3U	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	3Y	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	32	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	4A	28	GLY	O-C-N	19.25	140.68	122.19
1	4A	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	4E	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	4M	28	GLY	O-C-N	19.25	140.68	122.19
1	4M	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	4U	28	GLY	O-C-N	19.25	140.68	122.19
1	4U	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	4Y	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	42	28	GLY	O-C-N	19.25	140.68	122.19
1	46	28	GLY	O-C-N	19.25	140.68	122.19
1	5A	28	GLY	O-C-N	19.25	140.68	122.19
1	5E	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	5I	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	5M	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	5Q	28	GLY	O-C-N	19.25	140.68	122.19
1	5Q	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	5U	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	52	28	GLY	O-C-N	19.25	140.68	122.19
1	56	28	GLY	O-C-N	19.25	140.68	122.19
1	6A	28	GLY	O-C-N	19.25	140.68	122.19
1	6I	28	GLY	O-C-N	19.25	140.68	122.19
1	6I	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	6M	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	6Q	28	GLY	O-C-N	19.25	140.68	122.19
1	6Q	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6U	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	62	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	66	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	7A	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	7E	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	7M	28	GLY	O-C-N	19.25	140.68	122.19
1	7M	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	7Q	50	ARG	NE-CZ-NH1	-19.25	102.25	121.50
1	1E	147	ARG	NH1-CZ-NH2	19.24	144.31	119.30
1	2M	147	ARG	NH1-CZ-NH2	19.24	144.31	119.30
1	22	147	ARG	NH1-CZ-NH2	19.24	144.31	119.30
1	3M	147	ARG	NH1-CZ-NH2	19.24	144.31	119.30
1	36	147	ARG	NH1-CZ-NH2	19.24	144.31	119.30
1	4I	147	ARG	NH1-CZ-NH2	19.24	144.31	119.30
1	4Q	147	ARG	NH1-CZ-NH2	19.24	144.31	119.30
1	5Y	147	ARG	NH1-CZ-NH2	19.24	144.31	119.30
1	6E	147	ARG	NH1-CZ-NH2	19.24	144.31	119.30
1	6Y	147	ARG	NH1-CZ-NH2	19.24	144.31	119.30
1	7I	147	ARG	NH1-CZ-NH2	19.24	144.31	119.30
1	7U	147	ARG	NH1-CZ-NH2	19.24	144.31	119.30
1	1E	50	ARG	NE-CZ-NH1	-19.24	102.26	121.50
1	2M	50	ARG	NE-CZ-NH1	-19.24	102.26	121.50
1	22	50	ARG	NE-CZ-NH1	-19.24	102.26	121.50
1	3M	50	ARG	NE-CZ-NH1	-19.24	102.26	121.50
1	36	50	ARG	NE-CZ-NH1	-19.24	102.26	121.50
1	4I	50	ARG	NE-CZ-NH1	-19.24	102.26	121.50
1	4Q	50	ARG	NE-CZ-NH1	-19.24	102.26	121.50
1	5Y	50	ARG	NE-CZ-NH1	-19.24	102.26	121.50
1	6E	50	ARG	NE-CZ-NH1	-19.24	102.26	121.50
1	6Y	50	ARG	NE-CZ-NH1	-19.24	102.26	121.50
1	7I	50	ARG	NE-CZ-NH1	-19.24	102.26	121.50
1	7U	50	ARG	NE-CZ-NH1	-19.24	102.26	121.50
1	12	48	TYR	CZ-CE2-CD2	-19.23	84.98	119.60
1	16	48	TYR	CZ-CE2-CD2	-19.23	84.98	119.60
1	2A	48	TYR	CZ-CE2-CD2	-19.23	84.98	119.60
1	3Q	48	TYR	CZ-CE2-CD2	-19.23	84.98	119.60
1	3U	48	TYR	CZ-CE2-CD2	-19.23	84.98	119.60
1	3Y	48	TYR	CZ-CE2-CD2	-19.23	84.98	119.60
1	5E	48	TYR	CZ-CE2-CD2	-19.23	84.98	119.60
1	5I	48	TYR	CZ-CE2-CD2	-19.23	84.98	119.60
1	5M	48	TYR	CZ-CE2-CD2	-19.23	84.98	119.60
1	62	48	TYR	CZ-CE2-CD2	-19.23	84.98	119.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	48	TYR	CZ-CE2-CD2	-19.23	84.98	119.60
1	7A	48	TYR	CZ-CE2-CD2	-19.23	84.98	119.60
1	1M	147	ARG	NH1-CZ-NH2	19.23	144.30	119.30
1	2I	147	ARG	NH1-CZ-NH2	19.23	144.30	119.30
1	3A	147	ARG	NH1-CZ-NH2	19.23	144.30	119.30
1	3I	147	ARG	NH1-CZ-NH2	19.23	144.30	119.30
1	32	147	ARG	NH1-CZ-NH2	19.23	144.30	119.30
1	4E	147	ARG	NH1-CZ-NH2	19.23	144.30	119.30
1	4Y	147	ARG	NH1-CZ-NH2	19.23	144.30	119.30
1	5U	147	ARG	NH1-CZ-NH2	19.23	144.30	119.30
1	6M	147	ARG	NH1-CZ-NH2	19.23	144.30	119.30
1	6U	147	ARG	NH1-CZ-NH2	19.23	144.30	119.30
1	7E	147	ARG	NH1-CZ-NH2	19.23	144.30	119.30
1	7Q	147	ARG	NH1-CZ-NH2	19.23	144.30	119.30
1	1E	48	TYR	CZ-CE2-CD2	-19.23	84.99	119.60
1	2M	48	TYR	CZ-CE2-CD2	-19.23	84.99	119.60
1	22	48	TYR	CZ-CE2-CD2	-19.23	84.99	119.60
1	3M	48	TYR	CZ-CE2-CD2	-19.23	84.99	119.60
1	36	48	TYR	CZ-CE2-CD2	-19.23	84.99	119.60
1	4I	48	TYR	CZ-CE2-CD2	-19.23	84.99	119.60
1	4Q	48	TYR	CZ-CE2-CD2	-19.23	84.99	119.60
1	5Y	48	TYR	CZ-CE2-CD2	-19.23	84.99	119.60
1	6E	48	TYR	CZ-CE2-CD2	-19.23	84.99	119.60
1	6Y	48	TYR	CZ-CE2-CD2	-19.23	84.99	119.60
1	7I	48	TYR	CZ-CE2-CD2	-19.23	84.99	119.60
1	7U	48	TYR	CZ-CE2-CD2	-19.23	84.99	119.60
1	12	84	ARG	NE-CZ-NH2	-19.23	101.90	119.20
1	16	84	ARG	NE-CZ-NH2	-19.23	101.90	119.20
1	2A	84	ARG	NE-CZ-NH2	-19.23	101.90	119.20
1	3Q	84	ARG	NE-CZ-NH2	-19.23	101.90	119.20
1	3U	84	ARG	NE-CZ-NH2	-19.23	101.90	119.20
1	3Y	84	ARG	NE-CZ-NH2	-19.23	101.90	119.20
1	5E	84	ARG	NE-CZ-NH2	-19.23	101.90	119.20
1	5I	84	ARG	NE-CZ-NH2	-19.23	101.90	119.20
1	5M	84	ARG	NE-CZ-NH2	-19.23	101.90	119.20
1	62	84	ARG	NE-CZ-NH2	-19.23	101.90	119.20
1	66	84	ARG	NE-CZ-NH2	-19.23	101.90	119.20
1	7A	84	ARG	NE-CZ-NH2	-19.23	101.90	119.20
1	1A	48	TYR	CZ-CE2-CD2	-19.22	85.01	119.60
1	1I	48	TYR	CZ-CE2-CD2	-19.22	85.01	119.60
1	2E	48	TYR	CZ-CE2-CD2	-19.22	85.01	119.60
1	26	48	TYR	CZ-CE2-CD2	-19.22	85.01	119.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	48	TYR	CZ-CE2-CD2	-19.22	85.01	119.60
1	4A	48	TYR	CZ-CE2-CD2	-19.22	85.01	119.60
1	4M	48	TYR	CZ-CE2-CD2	-19.22	85.01	119.60
1	4U	48	TYR	CZ-CE2-CD2	-19.22	85.01	119.60
1	5Q	48	TYR	CZ-CE2-CD2	-19.22	85.01	119.60
1	6I	48	TYR	CZ-CE2-CD2	-19.22	85.01	119.60
1	6Q	48	TYR	CZ-CE2-CD2	-19.22	85.01	119.60
1	7M	48	TYR	CZ-CE2-CD2	-19.22	85.01	119.60
1	1Q	48	TYR	CZ-CE2-CD2	-19.21	85.01	119.60
1	1U	48	TYR	CZ-CE2-CD2	-19.21	85.01	119.60
1	1Y	48	TYR	CZ-CE2-CD2	-19.21	85.01	119.60
1	2Q	48	TYR	CZ-CE2-CD2	-19.21	85.01	119.60
1	2U	48	TYR	CZ-CE2-CD2	-19.21	85.01	119.60
1	2Y	48	TYR	CZ-CE2-CD2	-19.21	85.01	119.60
1	42	48	TYR	CZ-CE2-CD2	-19.21	85.01	119.60
1	46	48	TYR	CZ-CE2-CD2	-19.21	85.01	119.60
1	5A	48	TYR	CZ-CE2-CD2	-19.21	85.01	119.60
1	52	48	TYR	CZ-CE2-CD2	-19.21	85.01	119.60
1	56	48	TYR	CZ-CE2-CD2	-19.21	85.01	119.60
1	6A	48	TYR	CZ-CE2-CD2	-19.21	85.01	119.60
1	1M	48	TYR	CZ-CE2-CD2	-19.21	85.02	119.60
1	1M	84	ARG	NE-CZ-NH2	-19.21	101.91	119.20
1	2I	48	TYR	CZ-CE2-CD2	-19.21	85.02	119.60
1	2I	84	ARG	NE-CZ-NH2	-19.21	101.91	119.20
1	3A	48	TYR	CZ-CE2-CD2	-19.21	85.02	119.60
1	3A	84	ARG	NE-CZ-NH2	-19.21	101.91	119.20
1	3I	48	TYR	CZ-CE2-CD2	-19.21	85.02	119.60
1	3I	84	ARG	NE-CZ-NH2	-19.21	101.91	119.20
1	32	48	TYR	CZ-CE2-CD2	-19.21	85.02	119.60
1	32	84	ARG	NE-CZ-NH2	-19.21	101.91	119.20
1	4E	48	TYR	CZ-CE2-CD2	-19.21	85.02	119.60
1	4E	84	ARG	NE-CZ-NH2	-19.21	101.91	119.20
1	4Y	48	TYR	CZ-CE2-CD2	-19.21	85.02	119.60
1	4Y	84	ARG	NE-CZ-NH2	-19.21	101.91	119.20
1	5U	48	TYR	CZ-CE2-CD2	-19.21	85.02	119.60
1	5U	84	ARG	NE-CZ-NH2	-19.21	101.91	119.20
1	6M	48	TYR	CZ-CE2-CD2	-19.21	85.02	119.60
1	6M	84	ARG	NE-CZ-NH2	-19.21	101.91	119.20
1	6U	48	TYR	CZ-CE2-CD2	-19.21	85.02	119.60
1	6U	84	ARG	NE-CZ-NH2	-19.21	101.91	119.20
1	7E	48	TYR	CZ-CE2-CD2	-19.21	85.02	119.60
1	7E	84	ARG	NE-CZ-NH2	-19.21	101.91	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	48	TYR	CZ-CE2-CD2	-19.21	85.02	119.60
1	7Q	84	ARG	NE-CZ-NH2	-19.21	101.91	119.20
1	1E	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	2M	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	22	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	3M	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	36	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	4I	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	4Q	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	5Y	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	6E	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	6Y	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	7I	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	7U	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	1A	147	ARG	NH1-CZ-NH2	19.20	144.26	119.30
1	1I	147	ARG	NH1-CZ-NH2	19.20	144.26	119.30
1	1Q	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	1U	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	1Y	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	2E	147	ARG	NH1-CZ-NH2	19.20	144.26	119.30
1	2Q	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	2U	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	2Y	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	26	147	ARG	NH1-CZ-NH2	19.20	144.26	119.30
1	3E	147	ARG	NH1-CZ-NH2	19.20	144.26	119.30
1	4A	147	ARG	NH1-CZ-NH2	19.20	144.26	119.30
1	4M	147	ARG	NH1-CZ-NH2	19.20	144.26	119.30
1	4U	147	ARG	NH1-CZ-NH2	19.20	144.26	119.30
1	42	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	46	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	5A	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	5Q	147	ARG	NH1-CZ-NH2	19.20	144.26	119.30
1	52	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	56	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	6A	84	ARG	NE-CZ-NH2	-19.20	101.92	119.20
1	6I	147	ARG	NH1-CZ-NH2	19.20	144.26	119.30
1	6Q	147	ARG	NH1-CZ-NH2	19.20	144.26	119.30
1	7M	147	ARG	NH1-CZ-NH2	19.20	144.26	119.30
1	1A	84	ARG	NE-CZ-NH2	-19.19	101.92	119.20
1	1I	84	ARG	NE-CZ-NH2	-19.19	101.92	119.20
1	2E	84	ARG	NE-CZ-NH2	-19.19	101.92	119.20
1	26	84	ARG	NE-CZ-NH2	-19.19	101.92	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	84	ARG	NE-CZ-NH2	-19.19	101.92	119.20
1	4A	84	ARG	NE-CZ-NH2	-19.19	101.92	119.20
1	4M	84	ARG	NE-CZ-NH2	-19.19	101.92	119.20
1	4U	84	ARG	NE-CZ-NH2	-19.19	101.92	119.20
1	5Q	84	ARG	NE-CZ-NH2	-19.19	101.92	119.20
1	6I	84	ARG	NE-CZ-NH2	-19.19	101.92	119.20
1	6Q	84	ARG	NE-CZ-NH2	-19.19	101.92	119.20
1	7M	84	ARG	NE-CZ-NH2	-19.19	101.92	119.20
2	1F	219	VAL	O-C-N	19.19	142.71	123.14
2	2N	219	VAL	O-C-N	19.19	142.71	123.14
2	23	219	VAL	O-C-N	19.19	142.71	123.14
2	3N	219	VAL	O-C-N	19.19	142.71	123.14
2	37	219	VAL	O-C-N	19.19	142.71	123.14
2	4J	219	VAL	O-C-N	19.19	142.71	123.14
2	4R	219	VAL	O-C-N	19.19	142.71	123.14
2	5Z	219	VAL	O-C-N	19.19	142.71	123.14
2	6F	219	VAL	O-C-N	19.19	142.71	123.14
2	6Z	219	VAL	O-C-N	19.19	142.71	123.14
2	7J	219	VAL	O-C-N	19.19	142.71	123.14
2	7V	219	VAL	O-C-N	19.19	142.71	123.14
1	12	24	VAL	O-C-N	-19.19	98.58	122.57
1	12	147	ARG	NH1-CZ-NH2	19.19	144.24	119.30
1	16	24	VAL	O-C-N	-19.19	98.58	122.57
1	16	147	ARG	NH1-CZ-NH2	19.19	144.24	119.30
1	2A	24	VAL	O-C-N	-19.19	98.58	122.57
1	2A	147	ARG	NH1-CZ-NH2	19.19	144.24	119.30
1	3Q	24	VAL	O-C-N	-19.19	98.58	122.57
1	3Q	147	ARG	NH1-CZ-NH2	19.19	144.24	119.30
1	3U	24	VAL	O-C-N	-19.19	98.58	122.57
1	3U	147	ARG	NH1-CZ-NH2	19.19	144.24	119.30
1	3Y	24	VAL	O-C-N	-19.19	98.58	122.57
1	3Y	147	ARG	NH1-CZ-NH2	19.19	144.24	119.30
1	5E	24	VAL	O-C-N	-19.19	98.58	122.57
1	5E	147	ARG	NH1-CZ-NH2	19.19	144.24	119.30
1	5I	24	VAL	O-C-N	-19.19	98.58	122.57
1	5I	147	ARG	NH1-CZ-NH2	19.19	144.24	119.30
1	5M	24	VAL	O-C-N	-19.19	98.58	122.57
1	5M	147	ARG	NH1-CZ-NH2	19.19	144.24	119.30
1	62	24	VAL	O-C-N	-19.19	98.58	122.57
1	62	147	ARG	NH1-CZ-NH2	19.19	144.24	119.30
1	66	24	VAL	O-C-N	-19.19	98.58	122.57
1	66	147	ARG	NH1-CZ-NH2	19.19	144.24	119.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7A	24	VAL	O-C-N	-19.19	98.58	122.57
1	7A	147	ARG	NH1-CZ-NH2	19.19	144.24	119.30
1	1A	24	VAL	O-C-N	-19.18	98.59	122.57
1	1I	24	VAL	O-C-N	-19.18	98.59	122.57
2	1R	219	VAL	O-C-N	19.18	142.71	123.14
2	1V	219	VAL	O-C-N	19.18	142.71	123.14
2	1Z	219	VAL	O-C-N	19.18	142.71	123.14
1	2E	24	VAL	O-C-N	-19.18	98.59	122.57
2	2R	219	VAL	O-C-N	19.18	142.71	123.14
2	2V	219	VAL	O-C-N	19.18	142.71	123.14
2	2Z	219	VAL	O-C-N	19.18	142.71	123.14
1	26	24	VAL	O-C-N	-19.18	98.59	122.57
1	3E	24	VAL	O-C-N	-19.18	98.59	122.57
1	4A	24	VAL	O-C-N	-19.18	98.59	122.57
1	4M	24	VAL	O-C-N	-19.18	98.59	122.57
1	4U	24	VAL	O-C-N	-19.18	98.59	122.57
2	43	219	VAL	O-C-N	19.18	142.71	123.14
2	47	219	VAL	O-C-N	19.18	142.71	123.14
2	5B	219	VAL	O-C-N	19.18	142.71	123.14
1	5Q	24	VAL	O-C-N	-19.18	98.59	122.57
2	53	219	VAL	O-C-N	19.18	142.71	123.14
2	57	219	VAL	O-C-N	19.18	142.71	123.14
2	6B	219	VAL	O-C-N	19.18	142.71	123.14
1	6I	24	VAL	O-C-N	-19.18	98.59	122.57
1	6Q	24	VAL	O-C-N	-19.18	98.59	122.57
1	7M	24	VAL	O-C-N	-19.18	98.59	122.57
1	1E	24	VAL	O-C-N	-19.18	98.60	122.57
1	2M	24	VAL	O-C-N	-19.18	98.60	122.57
1	22	24	VAL	O-C-N	-19.18	98.60	122.57
1	3M	24	VAL	O-C-N	-19.18	98.60	122.57
1	36	24	VAL	O-C-N	-19.18	98.60	122.57
1	4I	24	VAL	O-C-N	-19.18	98.60	122.57
1	4Q	24	VAL	O-C-N	-19.18	98.60	122.57
1	5Y	24	VAL	O-C-N	-19.18	98.60	122.57
1	6E	24	VAL	O-C-N	-19.18	98.60	122.57
1	6Y	24	VAL	O-C-N	-19.18	98.60	122.57
1	7I	24	VAL	O-C-N	-19.18	98.60	122.57
1	7U	24	VAL	O-C-N	-19.18	98.60	122.57
1	1M	24	VAL	O-C-N	-19.17	98.60	122.57
1	1Q	147	ARG	NH1-CZ-NH2	19.17	144.22	119.30
1	1U	147	ARG	NH1-CZ-NH2	19.17	144.22	119.30
1	1Y	147	ARG	NH1-CZ-NH2	19.17	144.22	119.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	24	VAL	O-C-N	-19.17	98.60	122.57
1	2Q	147	ARG	NH1-CZ-NH2	19.17	144.22	119.30
1	2U	147	ARG	NH1-CZ-NH2	19.17	144.22	119.30
1	2Y	147	ARG	NH1-CZ-NH2	19.17	144.22	119.30
1	3A	24	VAL	O-C-N	-19.17	98.60	122.57
1	3I	24	VAL	O-C-N	-19.17	98.60	122.57
1	32	24	VAL	O-C-N	-19.17	98.60	122.57
1	4E	24	VAL	O-C-N	-19.17	98.60	122.57
1	4Y	24	VAL	O-C-N	-19.17	98.60	122.57
1	42	147	ARG	NH1-CZ-NH2	19.17	144.22	119.30
1	46	147	ARG	NH1-CZ-NH2	19.17	144.22	119.30
1	5A	147	ARG	NH1-CZ-NH2	19.17	144.22	119.30
1	5U	24	VAL	O-C-N	-19.17	98.60	122.57
1	52	147	ARG	NH1-CZ-NH2	19.17	144.22	119.30
1	56	147	ARG	NH1-CZ-NH2	19.17	144.22	119.30
1	6A	147	ARG	NH1-CZ-NH2	19.17	144.22	119.30
1	6M	24	VAL	O-C-N	-19.17	98.60	122.57
1	6U	24	VAL	O-C-N	-19.17	98.60	122.57
1	7E	24	VAL	O-C-N	-19.17	98.60	122.57
1	7Q	24	VAL	O-C-N	-19.17	98.60	122.57
2	1B	219	VAL	O-C-N	19.15	142.67	123.14
2	1J	219	VAL	O-C-N	19.15	142.67	123.14
2	2F	219	VAL	O-C-N	19.15	142.67	123.14
2	27	219	VAL	O-C-N	19.15	142.67	123.14
2	3F	219	VAL	O-C-N	19.15	142.67	123.14
2	4B	219	VAL	O-C-N	19.15	142.67	123.14
2	4N	219	VAL	O-C-N	19.15	142.67	123.14
2	4V	219	VAL	O-C-N	19.15	142.67	123.14
2	5R	219	VAL	O-C-N	19.15	142.67	123.14
2	6J	219	VAL	O-C-N	19.15	142.67	123.14
2	6R	219	VAL	O-C-N	19.15	142.67	123.14
2	7N	219	VAL	O-C-N	19.15	142.67	123.14
1	1Q	24	VAL	O-C-N	-19.14	98.65	122.57
1	1U	24	VAL	O-C-N	-19.14	98.65	122.57
1	1Y	24	VAL	O-C-N	-19.14	98.65	122.57
1	2Q	24	VAL	O-C-N	-19.14	98.65	122.57
1	2U	24	VAL	O-C-N	-19.14	98.65	122.57
1	2Y	24	VAL	O-C-N	-19.14	98.65	122.57
1	42	24	VAL	O-C-N	-19.14	98.65	122.57
1	46	24	VAL	O-C-N	-19.14	98.65	122.57
1	5A	24	VAL	O-C-N	-19.14	98.65	122.57
1	52	24	VAL	O-C-N	-19.14	98.65	122.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	24	VAL	O-C-N	-19.14	98.65	122.57
1	6A	24	VAL	O-C-N	-19.14	98.65	122.57
2	13	219	VAL	O-C-N	19.12	142.64	123.14
2	17	219	VAL	O-C-N	19.12	142.64	123.14
2	2B	219	VAL	O-C-N	19.12	142.64	123.14
2	3R	219	VAL	O-C-N	19.12	142.64	123.14
2	3V	219	VAL	O-C-N	19.12	142.64	123.14
2	3Z	219	VAL	O-C-N	19.12	142.64	123.14
2	5F	219	VAL	O-C-N	19.12	142.64	123.14
2	5J	219	VAL	O-C-N	19.12	142.64	123.14
2	5N	219	VAL	O-C-N	19.12	142.64	123.14
2	63	219	VAL	O-C-N	19.12	142.64	123.14
2	67	219	VAL	O-C-N	19.12	142.64	123.14
2	7B	219	VAL	O-C-N	19.12	142.64	123.14
2	1F	222	GLN	CG-CD-NE2	-19.12	87.72	116.40
2	2N	222	GLN	CG-CD-NE2	-19.12	87.72	116.40
2	23	222	GLN	CG-CD-NE2	-19.12	87.72	116.40
2	3N	222	GLN	CG-CD-NE2	-19.12	87.72	116.40
2	37	222	GLN	CG-CD-NE2	-19.12	87.72	116.40
2	4J	222	GLN	CG-CD-NE2	-19.12	87.72	116.40
2	4R	222	GLN	CG-CD-NE2	-19.12	87.72	116.40
2	5Z	222	GLN	CG-CD-NE2	-19.12	87.72	116.40
2	6F	222	GLN	CG-CD-NE2	-19.12	87.72	116.40
2	6Z	222	GLN	CG-CD-NE2	-19.12	87.72	116.40
2	7J	222	GLN	CG-CD-NE2	-19.12	87.72	116.40
2	7V	222	GLN	CG-CD-NE2	-19.12	87.72	116.40
2	1N	219	VAL	O-C-N	19.11	142.63	123.14
2	2J	219	VAL	O-C-N	19.11	142.63	123.14
2	3B	219	VAL	O-C-N	19.11	142.63	123.14
2	3J	219	VAL	O-C-N	19.11	142.63	123.14
2	33	219	VAL	O-C-N	19.11	142.63	123.14
2	4F	219	VAL	O-C-N	19.11	142.63	123.14
2	4Z	219	VAL	O-C-N	19.11	142.63	123.14
2	5V	219	VAL	O-C-N	19.11	142.63	123.14
2	6N	219	VAL	O-C-N	19.11	142.63	123.14
2	6V	219	VAL	O-C-N	19.11	142.63	123.14
2	7F	219	VAL	O-C-N	19.11	142.63	123.14
2	7R	219	VAL	O-C-N	19.11	142.63	123.14
2	13	222	GLN	CG-CD-NE2	-19.10	87.75	116.40
2	17	222	GLN	CG-CD-NE2	-19.10	87.75	116.40
2	2B	222	GLN	CG-CD-NE2	-19.10	87.75	116.40
2	3R	222	GLN	CG-CD-NE2	-19.10	87.75	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	222	GLN	CG-CD-NE2	-19.10	87.75	116.40
2	3Z	222	GLN	CG-CD-NE2	-19.10	87.75	116.40
2	5F	222	GLN	CG-CD-NE2	-19.10	87.75	116.40
2	5J	222	GLN	CG-CD-NE2	-19.10	87.75	116.40
2	5N	222	GLN	CG-CD-NE2	-19.10	87.75	116.40
2	63	222	GLN	CG-CD-NE2	-19.10	87.75	116.40
2	67	222	GLN	CG-CD-NE2	-19.10	87.75	116.40
2	7B	222	GLN	CG-CD-NE2	-19.10	87.75	116.40
2	1N	222	GLN	CG-CD-NE2	-19.09	87.76	116.40
2	2J	222	GLN	CG-CD-NE2	-19.09	87.76	116.40
2	3B	222	GLN	CG-CD-NE2	-19.09	87.76	116.40
2	3J	222	GLN	CG-CD-NE2	-19.09	87.76	116.40
2	33	222	GLN	CG-CD-NE2	-19.09	87.76	116.40
2	4F	222	GLN	CG-CD-NE2	-19.09	87.76	116.40
2	4Z	222	GLN	CG-CD-NE2	-19.09	87.76	116.40
2	5V	222	GLN	CG-CD-NE2	-19.09	87.76	116.40
2	6N	222	GLN	CG-CD-NE2	-19.09	87.76	116.40
2	6V	222	GLN	CG-CD-NE2	-19.09	87.76	116.40
2	7F	222	GLN	CG-CD-NE2	-19.09	87.76	116.40
2	7R	222	GLN	CG-CD-NE2	-19.09	87.76	116.40
2	1R	222	GLN	CG-CD-NE2	-19.09	87.77	116.40
2	1V	222	GLN	CG-CD-NE2	-19.09	87.77	116.40
2	1Z	222	GLN	CG-CD-NE2	-19.09	87.77	116.40
2	2R	222	GLN	CG-CD-NE2	-19.09	87.77	116.40
2	2V	222	GLN	CG-CD-NE2	-19.09	87.77	116.40
2	2Z	222	GLN	CG-CD-NE2	-19.09	87.77	116.40
2	43	222	GLN	CG-CD-NE2	-19.09	87.77	116.40
2	47	222	GLN	CG-CD-NE2	-19.09	87.77	116.40
2	5B	222	GLN	CG-CD-NE2	-19.09	87.77	116.40
2	53	222	GLN	CG-CD-NE2	-19.09	87.77	116.40
2	57	222	GLN	CG-CD-NE2	-19.09	87.77	116.40
2	6B	222	GLN	CG-CD-NE2	-19.09	87.77	116.40
2	1B	222	GLN	CG-CD-NE2	-19.08	87.78	116.40
2	1J	222	GLN	CG-CD-NE2	-19.08	87.78	116.40
2	2F	222	GLN	CG-CD-NE2	-19.08	87.78	116.40
2	27	222	GLN	CG-CD-NE2	-19.08	87.78	116.40
2	3F	222	GLN	CG-CD-NE2	-19.08	87.78	116.40
2	4B	222	GLN	CG-CD-NE2	-19.08	87.78	116.40
2	4N	222	GLN	CG-CD-NE2	-19.08	87.78	116.40
2	4V	222	GLN	CG-CD-NE2	-19.08	87.78	116.40
2	5R	222	GLN	CG-CD-NE2	-19.08	87.78	116.40
2	6J	222	GLN	CG-CD-NE2	-19.08	87.78	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	222	GLN	CG-CD-NE2	-19.08	87.78	116.40
2	7N	222	GLN	CG-CD-NE2	-19.08	87.78	116.40
1	12	154	SER	CA-C-N	-19.06	96.02	119.84
1	12	154	SER	C-N-CA	-19.06	96.02	119.84
1	16	154	SER	CA-C-N	-19.06	96.02	119.84
1	16	154	SER	C-N-CA	-19.06	96.02	119.84
1	2A	154	SER	CA-C-N	-19.06	96.02	119.84
1	2A	154	SER	C-N-CA	-19.06	96.02	119.84
1	3Q	154	SER	CA-C-N	-19.06	96.02	119.84
1	3Q	154	SER	C-N-CA	-19.06	96.02	119.84
1	3U	154	SER	CA-C-N	-19.06	96.02	119.84
1	3U	154	SER	C-N-CA	-19.06	96.02	119.84
1	3Y	154	SER	CA-C-N	-19.06	96.02	119.84
1	3Y	154	SER	C-N-CA	-19.06	96.02	119.84
1	5E	154	SER	CA-C-N	-19.06	96.02	119.84
1	5E	154	SER	C-N-CA	-19.06	96.02	119.84
1	5I	154	SER	CA-C-N	-19.06	96.02	119.84
1	5I	154	SER	C-N-CA	-19.06	96.02	119.84
1	5M	154	SER	CA-C-N	-19.06	96.02	119.84
1	5M	154	SER	C-N-CA	-19.06	96.02	119.84
1	62	154	SER	CA-C-N	-19.06	96.02	119.84
1	62	154	SER	C-N-CA	-19.06	96.02	119.84
1	66	154	SER	CA-C-N	-19.06	96.02	119.84
1	66	154	SER	C-N-CA	-19.06	96.02	119.84
1	7A	154	SER	CA-C-N	-19.06	96.02	119.84
1	7A	154	SER	C-N-CA	-19.06	96.02	119.84
1	1Q	154	SER	CA-C-N	-19.04	96.04	119.84
1	1Q	154	SER	C-N-CA	-19.04	96.04	119.84
1	1U	154	SER	CA-C-N	-19.04	96.04	119.84
1	1U	154	SER	C-N-CA	-19.04	96.04	119.84
1	1Y	154	SER	CA-C-N	-19.04	96.04	119.84
1	1Y	154	SER	C-N-CA	-19.04	96.04	119.84
1	2Q	154	SER	CA-C-N	-19.04	96.04	119.84
1	2Q	154	SER	C-N-CA	-19.04	96.04	119.84
1	2U	154	SER	CA-C-N	-19.04	96.04	119.84
1	2U	154	SER	C-N-CA	-19.04	96.04	119.84
1	2Y	154	SER	CA-C-N	-19.04	96.04	119.84
1	2Y	154	SER	C-N-CA	-19.04	96.04	119.84
1	42	154	SER	CA-C-N	-19.04	96.04	119.84
1	42	154	SER	C-N-CA	-19.04	96.04	119.84
1	46	154	SER	CA-C-N	-19.04	96.04	119.84
1	46	154	SER	C-N-CA	-19.04	96.04	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	154	SER	CA-C-N	-19.04	96.04	119.84
1	5A	154	SER	C-N-CA	-19.04	96.04	119.84
1	52	154	SER	CA-C-N	-19.04	96.04	119.84
1	52	154	SER	C-N-CA	-19.04	96.04	119.84
1	56	154	SER	CA-C-N	-19.04	96.04	119.84
1	56	154	SER	C-N-CA	-19.04	96.04	119.84
1	6A	154	SER	CA-C-N	-19.04	96.04	119.84
1	6A	154	SER	C-N-CA	-19.04	96.04	119.84
1	1A	154	SER	CA-C-N	-19.02	96.06	119.84
1	1A	154	SER	C-N-CA	-19.02	96.06	119.84
1	1I	154	SER	CA-C-N	-19.02	96.06	119.84
1	1I	154	SER	C-N-CA	-19.02	96.06	119.84
1	1M	154	SER	CA-C-N	-19.02	96.06	119.84
1	1M	154	SER	C-N-CA	-19.02	96.06	119.84
1	2E	154	SER	CA-C-N	-19.02	96.06	119.84
1	2E	154	SER	C-N-CA	-19.02	96.06	119.84
1	2I	154	SER	CA-C-N	-19.02	96.06	119.84
1	2I	154	SER	C-N-CA	-19.02	96.06	119.84
1	26	154	SER	CA-C-N	-19.02	96.06	119.84
1	26	154	SER	C-N-CA	-19.02	96.06	119.84
1	3A	154	SER	CA-C-N	-19.02	96.06	119.84
1	3A	154	SER	C-N-CA	-19.02	96.06	119.84
1	3E	154	SER	CA-C-N	-19.02	96.06	119.84
1	3E	154	SER	C-N-CA	-19.02	96.06	119.84
1	3I	154	SER	CA-C-N	-19.02	96.06	119.84
1	3I	154	SER	C-N-CA	-19.02	96.06	119.84
1	32	154	SER	CA-C-N	-19.02	96.06	119.84
1	32	154	SER	C-N-CA	-19.02	96.06	119.84
1	4A	154	SER	CA-C-N	-19.02	96.06	119.84
1	4A	154	SER	C-N-CA	-19.02	96.06	119.84
1	4E	154	SER	CA-C-N	-19.02	96.06	119.84
1	4E	154	SER	C-N-CA	-19.02	96.06	119.84
1	4M	154	SER	CA-C-N	-19.02	96.06	119.84
1	4M	154	SER	C-N-CA	-19.02	96.06	119.84
1	4U	154	SER	CA-C-N	-19.02	96.06	119.84
1	4U	154	SER	C-N-CA	-19.02	96.06	119.84
1	4Y	154	SER	CA-C-N	-19.02	96.06	119.84
1	4Y	154	SER	C-N-CA	-19.02	96.06	119.84
1	5Q	154	SER	CA-C-N	-19.02	96.06	119.84
1	5Q	154	SER	C-N-CA	-19.02	96.06	119.84
1	5U	154	SER	CA-C-N	-19.02	96.06	119.84
1	5U	154	SER	C-N-CA	-19.02	96.06	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6I	154	SER	CA-C-N	-19.02	96.06	119.84
1	6I	154	SER	C-N-CA	-19.02	96.06	119.84
1	6M	154	SER	CA-C-N	-19.02	96.06	119.84
1	6M	154	SER	C-N-CA	-19.02	96.06	119.84
1	6Q	154	SER	CA-C-N	-19.02	96.06	119.84
1	6Q	154	SER	C-N-CA	-19.02	96.06	119.84
1	6U	154	SER	CA-C-N	-19.02	96.06	119.84
1	6U	154	SER	C-N-CA	-19.02	96.06	119.84
1	7E	154	SER	CA-C-N	-19.02	96.06	119.84
1	7E	154	SER	C-N-CA	-19.02	96.06	119.84
1	7M	154	SER	CA-C-N	-19.02	96.06	119.84
1	7M	154	SER	C-N-CA	-19.02	96.06	119.84
1	7Q	154	SER	CA-C-N	-19.02	96.06	119.84
1	7Q	154	SER	C-N-CA	-19.02	96.06	119.84
1	1E	154	SER	CA-C-N	-19.01	96.08	119.84
1	1E	154	SER	C-N-CA	-19.01	96.08	119.84
1	2M	154	SER	CA-C-N	-19.01	96.08	119.84
1	2M	154	SER	C-N-CA	-19.01	96.08	119.84
1	22	154	SER	CA-C-N	-19.01	96.08	119.84
1	22	154	SER	C-N-CA	-19.01	96.08	119.84
1	3M	154	SER	CA-C-N	-19.01	96.08	119.84
1	3M	154	SER	C-N-CA	-19.01	96.08	119.84
1	36	154	SER	CA-C-N	-19.01	96.08	119.84
1	36	154	SER	C-N-CA	-19.01	96.08	119.84
1	4I	154	SER	CA-C-N	-19.01	96.08	119.84
1	4I	154	SER	C-N-CA	-19.01	96.08	119.84
1	4Q	154	SER	CA-C-N	-19.01	96.08	119.84
1	4Q	154	SER	C-N-CA	-19.01	96.08	119.84
1	5Y	154	SER	CA-C-N	-19.01	96.08	119.84
1	5Y	154	SER	C-N-CA	-19.01	96.08	119.84
1	6E	154	SER	CA-C-N	-19.01	96.08	119.84
1	6E	154	SER	C-N-CA	-19.01	96.08	119.84
1	6Y	154	SER	CA-C-N	-19.01	96.08	119.84
1	6Y	154	SER	C-N-CA	-19.01	96.08	119.84
1	7I	154	SER	CA-C-N	-19.01	96.08	119.84
1	7I	154	SER	C-N-CA	-19.01	96.08	119.84
1	7U	154	SER	CA-C-N	-19.01	96.08	119.84
1	7U	154	SER	C-N-CA	-19.01	96.08	119.84
2	1F	21	THR	O-C-N	-18.98	98.52	122.43
2	2N	21	THR	O-C-N	-18.98	98.52	122.43
2	23	21	THR	O-C-N	-18.98	98.52	122.43
2	3N	21	THR	O-C-N	-18.98	98.52	122.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	21	THR	O-C-N	-18.98	98.52	122.43
2	4J	21	THR	O-C-N	-18.98	98.52	122.43
2	4R	21	THR	O-C-N	-18.98	98.52	122.43
2	5Z	21	THR	O-C-N	-18.98	98.52	122.43
2	6F	21	THR	O-C-N	-18.98	98.52	122.43
2	6Z	21	THR	O-C-N	-18.98	98.52	122.43
2	7J	21	THR	O-C-N	-18.98	98.52	122.43
2	7V	21	THR	O-C-N	-18.98	98.52	122.43
2	1R	21	THR	O-C-N	-18.96	98.53	122.43
2	1V	21	THR	O-C-N	-18.96	98.53	122.43
2	1Z	21	THR	O-C-N	-18.96	98.53	122.43
2	2R	21	THR	O-C-N	-18.96	98.53	122.43
2	2V	21	THR	O-C-N	-18.96	98.53	122.43
2	2Z	21	THR	O-C-N	-18.96	98.53	122.43
2	43	21	THR	O-C-N	-18.96	98.53	122.43
2	47	21	THR	O-C-N	-18.96	98.53	122.43
2	5B	21	THR	O-C-N	-18.96	98.53	122.43
2	53	21	THR	O-C-N	-18.96	98.53	122.43
2	57	21	THR	O-C-N	-18.96	98.53	122.43
2	6B	21	THR	O-C-N	-18.96	98.53	122.43
2	1N	21	THR	O-C-N	-18.96	98.54	122.43
2	2J	21	THR	O-C-N	-18.96	98.54	122.43
2	3B	21	THR	O-C-N	-18.96	98.54	122.43
2	3J	21	THR	O-C-N	-18.96	98.54	122.43
2	33	21	THR	O-C-N	-18.96	98.54	122.43
2	4F	21	THR	O-C-N	-18.96	98.54	122.43
2	4Z	21	THR	O-C-N	-18.96	98.54	122.43
2	5V	21	THR	O-C-N	-18.96	98.54	122.43
2	6N	21	THR	O-C-N	-18.96	98.54	122.43
2	6V	21	THR	O-C-N	-18.96	98.54	122.43
2	7F	21	THR	O-C-N	-18.96	98.54	122.43
2	7R	21	THR	O-C-N	-18.96	98.54	122.43
2	1B	21	THR	O-C-N	-18.96	98.54	122.43
2	1J	21	THR	O-C-N	-18.96	98.54	122.43
2	2F	21	THR	O-C-N	-18.96	98.54	122.43
2	27	21	THR	O-C-N	-18.96	98.54	122.43
2	3F	21	THR	O-C-N	-18.96	98.54	122.43
2	4B	21	THR	O-C-N	-18.96	98.54	122.43
2	4N	21	THR	O-C-N	-18.96	98.54	122.43
2	4V	21	THR	O-C-N	-18.96	98.54	122.43
2	5R	21	THR	O-C-N	-18.96	98.54	122.43
2	6J	21	THR	O-C-N	-18.96	98.54	122.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	21	THR	O-C-N	-18.96	98.54	122.43
2	7N	21	THR	O-C-N	-18.96	98.54	122.43
2	13	21	THR	O-C-N	-18.96	98.55	122.43
2	17	21	THR	O-C-N	-18.96	98.55	122.43
2	2B	21	THR	O-C-N	-18.96	98.55	122.43
2	3R	21	THR	O-C-N	-18.96	98.55	122.43
2	3V	21	THR	O-C-N	-18.96	98.55	122.43
2	3Z	21	THR	O-C-N	-18.96	98.55	122.43
2	5F	21	THR	O-C-N	-18.96	98.55	122.43
2	5J	21	THR	O-C-N	-18.96	98.55	122.43
2	5N	21	THR	O-C-N	-18.96	98.55	122.43
2	63	21	THR	O-C-N	-18.96	98.55	122.43
2	67	21	THR	O-C-N	-18.96	98.55	122.43
2	7B	21	THR	O-C-N	-18.96	98.55	122.43
2	1B	46	TYR	N-CA-CB	18.93	137.46	110.01
2	1J	46	TYR	N-CA-CB	18.93	137.46	110.01
2	2F	46	TYR	N-CA-CB	18.93	137.46	110.01
2	27	46	TYR	N-CA-CB	18.93	137.46	110.01
2	3F	46	TYR	N-CA-CB	18.93	137.46	110.01
2	4B	46	TYR	N-CA-CB	18.93	137.46	110.01
2	4N	46	TYR	N-CA-CB	18.93	137.46	110.01
2	4V	46	TYR	N-CA-CB	18.93	137.46	110.01
2	5R	46	TYR	N-CA-CB	18.93	137.46	110.01
2	6J	46	TYR	N-CA-CB	18.93	137.46	110.01
2	6R	46	TYR	N-CA-CB	18.93	137.46	110.01
2	7N	46	TYR	N-CA-CB	18.93	137.46	110.01
2	1R	46	TYR	N-CA-CB	18.92	137.45	110.01
2	1V	46	TYR	N-CA-CB	18.92	137.45	110.01
2	1Z	46	TYR	N-CA-CB	18.92	137.45	110.01
2	13	46	TYR	N-CA-CB	18.92	137.44	110.01
2	17	46	TYR	N-CA-CB	18.92	137.44	110.01
2	2B	46	TYR	N-CA-CB	18.92	137.44	110.01
2	2R	46	TYR	N-CA-CB	18.92	137.45	110.01
2	2V	46	TYR	N-CA-CB	18.92	137.45	110.01
2	2Z	46	TYR	N-CA-CB	18.92	137.45	110.01
2	3R	46	TYR	N-CA-CB	18.92	137.44	110.01
2	3V	46	TYR	N-CA-CB	18.92	137.44	110.01
2	3Z	46	TYR	N-CA-CB	18.92	137.44	110.01
2	43	46	TYR	N-CA-CB	18.92	137.45	110.01
2	47	46	TYR	N-CA-CB	18.92	137.45	110.01
2	5B	46	TYR	N-CA-CB	18.92	137.45	110.01
2	5F	46	TYR	N-CA-CB	18.92	137.44	110.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5J	46	TYR	N-CA-CB	18.92	137.44	110.01
2	5N	46	TYR	N-CA-CB	18.92	137.44	110.01
2	53	46	TYR	N-CA-CB	18.92	137.45	110.01
2	57	46	TYR	N-CA-CB	18.92	137.45	110.01
2	6B	46	TYR	N-CA-CB	18.92	137.45	110.01
2	63	46	TYR	N-CA-CB	18.92	137.44	110.01
2	67	46	TYR	N-CA-CB	18.92	137.44	110.01
2	7B	46	TYR	N-CA-CB	18.92	137.44	110.01
1	1M	49	LEU	N-CA-C	-18.91	86.84	111.24
1	2I	49	LEU	N-CA-C	-18.91	86.84	111.24
1	3A	49	LEU	N-CA-C	-18.91	86.84	111.24
1	3I	49	LEU	N-CA-C	-18.91	86.84	111.24
1	32	49	LEU	N-CA-C	-18.91	86.84	111.24
1	4E	49	LEU	N-CA-C	-18.91	86.84	111.24
1	4Y	49	LEU	N-CA-C	-18.91	86.84	111.24
1	5U	49	LEU	N-CA-C	-18.91	86.84	111.24
1	6M	49	LEU	N-CA-C	-18.91	86.84	111.24
1	6U	49	LEU	N-CA-C	-18.91	86.84	111.24
1	7E	49	LEU	N-CA-C	-18.91	86.84	111.24
1	7Q	49	LEU	N-CA-C	-18.91	86.84	111.24
1	1Q	49	LEU	N-CA-C	-18.91	86.85	111.24
1	1U	49	LEU	N-CA-C	-18.91	86.85	111.24
1	1Y	49	LEU	N-CA-C	-18.91	86.85	111.24
1	2Q	49	LEU	N-CA-C	-18.91	86.85	111.24
1	2U	49	LEU	N-CA-C	-18.91	86.85	111.24
1	2Y	49	LEU	N-CA-C	-18.91	86.85	111.24
1	42	49	LEU	N-CA-C	-18.91	86.85	111.24
1	46	49	LEU	N-CA-C	-18.91	86.85	111.24
1	5A	49	LEU	N-CA-C	-18.91	86.85	111.24
1	52	49	LEU	N-CA-C	-18.91	86.85	111.24
1	56	49	LEU	N-CA-C	-18.91	86.85	111.24
1	6A	49	LEU	N-CA-C	-18.91	86.85	111.24
2	1F	46	TYR	N-CA-CB	18.90	137.42	110.01
2	1N	46	TYR	N-CA-CB	18.90	137.41	110.01
1	12	49	LEU	N-CA-C	-18.90	86.86	111.24
1	16	49	LEU	N-CA-C	-18.90	86.86	111.24
1	2A	49	LEU	N-CA-C	-18.90	86.86	111.24
2	2J	46	TYR	N-CA-CB	18.90	137.41	110.01
2	2N	46	TYR	N-CA-CB	18.90	137.42	110.01
2	23	46	TYR	N-CA-CB	18.90	137.42	110.01
2	3B	46	TYR	N-CA-CB	18.90	137.41	110.01
2	3J	46	TYR	N-CA-CB	18.90	137.41	110.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3N	46	TYR	N-CA-CB	18.90	137.42	110.01
1	3Q	49	LEU	N-CA-C	-18.90	86.86	111.24
1	3U	49	LEU	N-CA-C	-18.90	86.86	111.24
1	3Y	49	LEU	N-CA-C	-18.90	86.86	111.24
2	33	46	TYR	N-CA-CB	18.90	137.41	110.01
2	37	46	TYR	N-CA-CB	18.90	137.42	110.01
2	4F	46	TYR	N-CA-CB	18.90	137.41	110.01
2	4J	46	TYR	N-CA-CB	18.90	137.42	110.01
2	4R	46	TYR	N-CA-CB	18.90	137.42	110.01
2	4Z	46	TYR	N-CA-CB	18.90	137.41	110.01
1	5E	49	LEU	N-CA-C	-18.90	86.86	111.24
1	5I	49	LEU	N-CA-C	-18.90	86.86	111.24
1	5M	49	LEU	N-CA-C	-18.90	86.86	111.24
2	5V	46	TYR	N-CA-CB	18.90	137.41	110.01
2	5Z	46	TYR	N-CA-CB	18.90	137.42	110.01
2	6F	46	TYR	N-CA-CB	18.90	137.42	110.01
2	6N	46	TYR	N-CA-CB	18.90	137.41	110.01
2	6V	46	TYR	N-CA-CB	18.90	137.41	110.01
2	6Z	46	TYR	N-CA-CB	18.90	137.42	110.01
1	62	49	LEU	N-CA-C	-18.90	86.86	111.24
1	66	49	LEU	N-CA-C	-18.90	86.86	111.24
1	7A	49	LEU	N-CA-C	-18.90	86.86	111.24
2	7F	46	TYR	N-CA-CB	18.90	137.41	110.01
2	7J	46	TYR	N-CA-CB	18.90	137.42	110.01
2	7R	46	TYR	N-CA-CB	18.90	137.41	110.01
2	7V	46	TYR	N-CA-CB	18.90	137.42	110.01
1	1E	49	LEU	N-CA-C	-18.90	86.86	111.24
1	2M	49	LEU	N-CA-C	-18.90	86.86	111.24
1	22	49	LEU	N-CA-C	-18.90	86.86	111.24
1	3M	49	LEU	N-CA-C	-18.90	86.86	111.24
1	36	49	LEU	N-CA-C	-18.90	86.86	111.24
1	4I	49	LEU	N-CA-C	-18.90	86.86	111.24
1	4Q	49	LEU	N-CA-C	-18.90	86.86	111.24
1	5Y	49	LEU	N-CA-C	-18.90	86.86	111.24
1	6E	49	LEU	N-CA-C	-18.90	86.86	111.24
1	6Y	49	LEU	N-CA-C	-18.90	86.86	111.24
1	7I	49	LEU	N-CA-C	-18.90	86.86	111.24
1	7U	49	LEU	N-CA-C	-18.90	86.86	111.24
1	1A	49	LEU	N-CA-C	-18.90	86.86	111.24
1	1I	49	LEU	N-CA-C	-18.90	86.86	111.24
1	2E	49	LEU	N-CA-C	-18.90	86.86	111.24
1	26	49	LEU	N-CA-C	-18.90	86.86	111.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	49	LEU	N-CA-C	-18.90	86.86	111.24
1	4A	49	LEU	N-CA-C	-18.90	86.86	111.24
1	4M	49	LEU	N-CA-C	-18.90	86.86	111.24
1	4U	49	LEU	N-CA-C	-18.90	86.86	111.24
1	5Q	49	LEU	N-CA-C	-18.90	86.86	111.24
1	6I	49	LEU	N-CA-C	-18.90	86.86	111.24
1	6Q	49	LEU	N-CA-C	-18.90	86.86	111.24
1	7M	49	LEU	N-CA-C	-18.90	86.86	111.24
1	1A	66	ARG	NE-CZ-NH2	-18.78	102.30	119.20
1	1I	66	ARG	NE-CZ-NH2	-18.78	102.30	119.20
1	2E	66	ARG	NE-CZ-NH2	-18.78	102.30	119.20
1	26	66	ARG	NE-CZ-NH2	-18.78	102.30	119.20
1	3E	66	ARG	NE-CZ-NH2	-18.78	102.30	119.20
1	4A	66	ARG	NE-CZ-NH2	-18.78	102.30	119.20
1	4M	66	ARG	NE-CZ-NH2	-18.78	102.30	119.20
1	4U	66	ARG	NE-CZ-NH2	-18.78	102.30	119.20
1	5Q	66	ARG	NE-CZ-NH2	-18.78	102.30	119.20
1	6I	66	ARG	NE-CZ-NH2	-18.78	102.30	119.20
1	6Q	66	ARG	NE-CZ-NH2	-18.78	102.30	119.20
1	7M	66	ARG	NE-CZ-NH2	-18.78	102.30	119.20
1	1Q	66	ARG	NE-CZ-NH2	-18.77	102.31	119.20
1	1U	66	ARG	NE-CZ-NH2	-18.77	102.31	119.20
1	1Y	66	ARG	NE-CZ-NH2	-18.77	102.31	119.20
1	2Q	66	ARG	NE-CZ-NH2	-18.77	102.31	119.20
1	2U	66	ARG	NE-CZ-NH2	-18.77	102.31	119.20
1	2Y	66	ARG	NE-CZ-NH2	-18.77	102.31	119.20
1	42	66	ARG	NE-CZ-NH2	-18.77	102.31	119.20
1	46	66	ARG	NE-CZ-NH2	-18.77	102.31	119.20
1	5A	66	ARG	NE-CZ-NH2	-18.77	102.31	119.20
1	52	66	ARG	NE-CZ-NH2	-18.77	102.31	119.20
1	56	66	ARG	NE-CZ-NH2	-18.77	102.31	119.20
1	6A	66	ARG	NE-CZ-NH2	-18.77	102.31	119.20
1	1E	66	ARG	NE-CZ-NH2	-18.76	102.31	119.20
1	2M	66	ARG	NE-CZ-NH2	-18.76	102.31	119.20
1	22	66	ARG	NE-CZ-NH2	-18.76	102.31	119.20
1	3M	66	ARG	NE-CZ-NH2	-18.76	102.31	119.20
1	36	66	ARG	NE-CZ-NH2	-18.76	102.31	119.20
1	4I	66	ARG	NE-CZ-NH2	-18.76	102.31	119.20
1	4Q	66	ARG	NE-CZ-NH2	-18.76	102.31	119.20
1	5Y	66	ARG	NE-CZ-NH2	-18.76	102.31	119.20
1	6E	66	ARG	NE-CZ-NH2	-18.76	102.31	119.20
1	6Y	66	ARG	NE-CZ-NH2	-18.76	102.31	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	66	ARG	NE-CZ-NH2	-18.76	102.31	119.20
1	7U	66	ARG	NE-CZ-NH2	-18.76	102.31	119.20
2	1R	29	MET	CA-C-N	18.75	143.28	119.84
2	1R	29	MET	C-N-CA	18.75	143.28	119.84
2	1V	29	MET	CA-C-N	18.75	143.28	119.84
2	1V	29	MET	C-N-CA	18.75	143.28	119.84
2	1Z	29	MET	CA-C-N	18.75	143.28	119.84
2	1Z	29	MET	C-N-CA	18.75	143.28	119.84
2	2R	29	MET	CA-C-N	18.75	143.28	119.84
2	2R	29	MET	C-N-CA	18.75	143.28	119.84
2	2V	29	MET	CA-C-N	18.75	143.28	119.84
2	2V	29	MET	C-N-CA	18.75	143.28	119.84
2	2Z	29	MET	CA-C-N	18.75	143.28	119.84
2	2Z	29	MET	C-N-CA	18.75	143.28	119.84
2	43	29	MET	CA-C-N	18.75	143.28	119.84
2	43	29	MET	C-N-CA	18.75	143.28	119.84
2	47	29	MET	CA-C-N	18.75	143.28	119.84
2	47	29	MET	C-N-CA	18.75	143.28	119.84
2	5B	29	MET	CA-C-N	18.75	143.28	119.84
2	5B	29	MET	C-N-CA	18.75	143.28	119.84
2	53	29	MET	CA-C-N	18.75	143.28	119.84
2	53	29	MET	C-N-CA	18.75	143.28	119.84
2	57	29	MET	CA-C-N	18.75	143.28	119.84
2	57	29	MET	C-N-CA	18.75	143.28	119.84
2	6B	29	MET	CA-C-N	18.75	143.28	119.84
2	6B	29	MET	C-N-CA	18.75	143.28	119.84
1	12	66	ARG	NE-CZ-NH2	-18.74	102.33	119.20
1	16	66	ARG	NE-CZ-NH2	-18.74	102.33	119.20
1	2A	66	ARG	NE-CZ-NH2	-18.74	102.33	119.20
1	3Q	66	ARG	NE-CZ-NH2	-18.74	102.33	119.20
1	3U	66	ARG	NE-CZ-NH2	-18.74	102.33	119.20
1	3Y	66	ARG	NE-CZ-NH2	-18.74	102.33	119.20
1	5E	66	ARG	NE-CZ-NH2	-18.74	102.33	119.20
1	5I	66	ARG	NE-CZ-NH2	-18.74	102.33	119.20
1	5M	66	ARG	NE-CZ-NH2	-18.74	102.33	119.20
1	62	66	ARG	NE-CZ-NH2	-18.74	102.33	119.20
1	66	66	ARG	NE-CZ-NH2	-18.74	102.33	119.20
1	7A	66	ARG	NE-CZ-NH2	-18.74	102.33	119.20
2	1F	4	GLU	N-CA-CB	18.73	142.15	110.49
2	2N	4	GLU	N-CA-CB	18.73	142.15	110.49
2	23	4	GLU	N-CA-CB	18.73	142.15	110.49
2	3N	4	GLU	N-CA-CB	18.73	142.15	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	4	GLU	N-CA-CB	18.73	142.15	110.49
2	4J	4	GLU	N-CA-CB	18.73	142.15	110.49
2	4R	4	GLU	N-CA-CB	18.73	142.15	110.49
2	5Z	4	GLU	N-CA-CB	18.73	142.15	110.49
2	6F	4	GLU	N-CA-CB	18.73	142.15	110.49
2	6Z	4	GLU	N-CA-CB	18.73	142.15	110.49
2	7J	4	GLU	N-CA-CB	18.73	142.15	110.49
2	7V	4	GLU	N-CA-CB	18.73	142.15	110.49
2	1B	29	MET	CA-C-N	18.73	143.25	119.84
2	1B	29	MET	C-N-CA	18.73	143.25	119.84
2	1J	29	MET	CA-C-N	18.73	143.25	119.84
2	1J	29	MET	C-N-CA	18.73	143.25	119.84
1	1M	66	ARG	NE-CZ-NH2	-18.73	102.34	119.20
2	2F	29	MET	CA-C-N	18.73	143.25	119.84
2	2F	29	MET	C-N-CA	18.73	143.25	119.84
1	2I	66	ARG	NE-CZ-NH2	-18.73	102.34	119.20
2	27	29	MET	CA-C-N	18.73	143.25	119.84
2	27	29	MET	C-N-CA	18.73	143.25	119.84
1	3A	66	ARG	NE-CZ-NH2	-18.73	102.34	119.20
2	3F	29	MET	CA-C-N	18.73	143.25	119.84
2	3F	29	MET	C-N-CA	18.73	143.25	119.84
1	3I	66	ARG	NE-CZ-NH2	-18.73	102.34	119.20
1	32	66	ARG	NE-CZ-NH2	-18.73	102.34	119.20
2	4B	29	MET	CA-C-N	18.73	143.25	119.84
2	4B	29	MET	C-N-CA	18.73	143.25	119.84
1	4E	66	ARG	NE-CZ-NH2	-18.73	102.34	119.20
2	4N	29	MET	CA-C-N	18.73	143.25	119.84
2	4N	29	MET	C-N-CA	18.73	143.25	119.84
2	4V	29	MET	CA-C-N	18.73	143.25	119.84
2	4V	29	MET	C-N-CA	18.73	143.25	119.84
1	4Y	66	ARG	NE-CZ-NH2	-18.73	102.34	119.20
2	5R	29	MET	CA-C-N	18.73	143.25	119.84
2	5R	29	MET	C-N-CA	18.73	143.25	119.84
1	5U	66	ARG	NE-CZ-NH2	-18.73	102.34	119.20
2	6J	29	MET	CA-C-N	18.73	143.25	119.84
2	6J	29	MET	C-N-CA	18.73	143.25	119.84
1	6M	66	ARG	NE-CZ-NH2	-18.73	102.34	119.20
2	6R	29	MET	CA-C-N	18.73	143.25	119.84
2	6R	29	MET	C-N-CA	18.73	143.25	119.84
1	6U	66	ARG	NE-CZ-NH2	-18.73	102.34	119.20
1	7E	66	ARG	NE-CZ-NH2	-18.73	102.34	119.20
2	7N	29	MET	CA-C-N	18.73	143.25	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	29	MET	C-N-CA	18.73	143.25	119.84
1	7Q	66	ARG	NE-CZ-NH2	-18.73	102.34	119.20
2	1B	4	GLU	N-CA-CB	18.72	142.13	110.49
2	1J	4	GLU	N-CA-CB	18.72	142.13	110.49
2	2F	4	GLU	N-CA-CB	18.72	142.13	110.49
2	27	4	GLU	N-CA-CB	18.72	142.13	110.49
2	3F	4	GLU	N-CA-CB	18.72	142.13	110.49
2	4B	4	GLU	N-CA-CB	18.72	142.13	110.49
2	4N	4	GLU	N-CA-CB	18.72	142.13	110.49
2	4V	4	GLU	N-CA-CB	18.72	142.13	110.49
2	5R	4	GLU	N-CA-CB	18.72	142.13	110.49
2	6J	4	GLU	N-CA-CB	18.72	142.13	110.49
2	6R	4	GLU	N-CA-CB	18.72	142.13	110.49
2	7N	4	GLU	N-CA-CB	18.72	142.13	110.49
2	1N	4	GLU	N-CA-CB	18.72	142.13	110.49
2	1R	4	GLU	N-CA-CB	18.72	142.12	110.49
2	1V	4	GLU	N-CA-CB	18.72	142.12	110.49
2	1Z	4	GLU	N-CA-CB	18.72	142.12	110.49
2	13	4	GLU	N-CA-CB	18.72	142.13	110.49
2	17	4	GLU	N-CA-CB	18.72	142.13	110.49
2	2B	4	GLU	N-CA-CB	18.72	142.13	110.49
2	2J	4	GLU	N-CA-CB	18.72	142.13	110.49
2	2R	4	GLU	N-CA-CB	18.72	142.12	110.49
2	2V	4	GLU	N-CA-CB	18.72	142.12	110.49
2	2Z	4	GLU	N-CA-CB	18.72	142.12	110.49
2	3B	4	GLU	N-CA-CB	18.72	142.13	110.49
2	3J	4	GLU	N-CA-CB	18.72	142.13	110.49
2	3R	4	GLU	N-CA-CB	18.72	142.13	110.49
2	3V	4	GLU	N-CA-CB	18.72	142.13	110.49
2	3Z	4	GLU	N-CA-CB	18.72	142.13	110.49
2	33	4	GLU	N-CA-CB	18.72	142.13	110.49
2	4F	4	GLU	N-CA-CB	18.72	142.13	110.49
2	4Z	4	GLU	N-CA-CB	18.72	142.13	110.49
2	43	4	GLU	N-CA-CB	18.72	142.12	110.49
2	47	4	GLU	N-CA-CB	18.72	142.12	110.49
2	5B	4	GLU	N-CA-CB	18.72	142.12	110.49
2	5F	4	GLU	N-CA-CB	18.72	142.13	110.49
2	5J	4	GLU	N-CA-CB	18.72	142.13	110.49
2	5N	4	GLU	N-CA-CB	18.72	142.13	110.49
2	5V	4	GLU	N-CA-CB	18.72	142.13	110.49
2	53	4	GLU	N-CA-CB	18.72	142.12	110.49
2	57	4	GLU	N-CA-CB	18.72	142.12	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6B	4	GLU	N-CA-CB	18.72	142.12	110.49
2	6N	4	GLU	N-CA-CB	18.72	142.13	110.49
2	6V	4	GLU	N-CA-CB	18.72	142.13	110.49
2	63	4	GLU	N-CA-CB	18.72	142.13	110.49
2	67	4	GLU	N-CA-CB	18.72	142.13	110.49
2	7B	4	GLU	N-CA-CB	18.72	142.13	110.49
2	7F	4	GLU	N-CA-CB	18.72	142.13	110.49
2	7R	4	GLU	N-CA-CB	18.72	142.13	110.49
2	1F	29	MET	CA-C-N	18.71	143.22	119.84
2	1F	29	MET	C-N-CA	18.71	143.22	119.84
2	2N	29	MET	CA-C-N	18.71	143.22	119.84
2	2N	29	MET	C-N-CA	18.71	143.22	119.84
2	23	29	MET	CA-C-N	18.71	143.22	119.84
2	23	29	MET	C-N-CA	18.71	143.22	119.84
2	3N	29	MET	CA-C-N	18.71	143.22	119.84
2	3N	29	MET	C-N-CA	18.71	143.22	119.84
2	37	29	MET	CA-C-N	18.71	143.22	119.84
2	37	29	MET	C-N-CA	18.71	143.22	119.84
2	4J	29	MET	CA-C-N	18.71	143.22	119.84
2	4J	29	MET	C-N-CA	18.71	143.22	119.84
2	4R	29	MET	CA-C-N	18.71	143.22	119.84
2	4R	29	MET	C-N-CA	18.71	143.22	119.84
2	5Z	29	MET	CA-C-N	18.71	143.22	119.84
2	5Z	29	MET	C-N-CA	18.71	143.22	119.84
2	6F	29	MET	CA-C-N	18.71	143.22	119.84
2	6F	29	MET	C-N-CA	18.71	143.22	119.84
2	6Z	29	MET	CA-C-N	18.71	143.22	119.84
2	6Z	29	MET	C-N-CA	18.71	143.22	119.84
2	7J	29	MET	CA-C-N	18.71	143.22	119.84
2	7J	29	MET	C-N-CA	18.71	143.22	119.84
2	7V	29	MET	CA-C-N	18.71	143.22	119.84
2	7V	29	MET	C-N-CA	18.71	143.22	119.84
2	13	29	MET	CA-C-N	18.70	143.21	119.84
2	13	29	MET	C-N-CA	18.70	143.21	119.84
2	17	29	MET	CA-C-N	18.70	143.21	119.84
2	17	29	MET	C-N-CA	18.70	143.21	119.84
2	2B	29	MET	CA-C-N	18.70	143.21	119.84
2	2B	29	MET	C-N-CA	18.70	143.21	119.84
2	3R	29	MET	CA-C-N	18.70	143.21	119.84
2	3R	29	MET	C-N-CA	18.70	143.21	119.84
2	3V	29	MET	CA-C-N	18.70	143.21	119.84
2	3V	29	MET	C-N-CA	18.70	143.21	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3Z	29	MET	CA-C-N	18.70	143.21	119.84
2	3Z	29	MET	C-N-CA	18.70	143.21	119.84
2	5F	29	MET	CA-C-N	18.70	143.21	119.84
2	5F	29	MET	C-N-CA	18.70	143.21	119.84
2	5J	29	MET	CA-C-N	18.70	143.21	119.84
2	5J	29	MET	C-N-CA	18.70	143.21	119.84
2	5N	29	MET	CA-C-N	18.70	143.21	119.84
2	5N	29	MET	C-N-CA	18.70	143.21	119.84
2	63	29	MET	CA-C-N	18.70	143.21	119.84
2	63	29	MET	C-N-CA	18.70	143.21	119.84
2	67	29	MET	CA-C-N	18.70	143.21	119.84
2	67	29	MET	C-N-CA	18.70	143.21	119.84
2	7B	29	MET	CA-C-N	18.70	143.21	119.84
2	7B	29	MET	C-N-CA	18.70	143.21	119.84
2	1N	29	MET	CA-C-N	18.68	143.19	119.84
2	1N	29	MET	C-N-CA	18.68	143.19	119.84
2	2J	29	MET	CA-C-N	18.68	143.19	119.84
2	2J	29	MET	C-N-CA	18.68	143.19	119.84
2	3B	29	MET	CA-C-N	18.68	143.19	119.84
2	3B	29	MET	C-N-CA	18.68	143.19	119.84
2	3J	29	MET	CA-C-N	18.68	143.19	119.84
2	3J	29	MET	C-N-CA	18.68	143.19	119.84
2	33	29	MET	CA-C-N	18.68	143.19	119.84
2	33	29	MET	C-N-CA	18.68	143.19	119.84
2	4F	29	MET	CA-C-N	18.68	143.19	119.84
2	4F	29	MET	C-N-CA	18.68	143.19	119.84
2	4Z	29	MET	CA-C-N	18.68	143.19	119.84
2	4Z	29	MET	C-N-CA	18.68	143.19	119.84
2	5V	29	MET	CA-C-N	18.68	143.19	119.84
2	5V	29	MET	C-N-CA	18.68	143.19	119.84
2	6N	29	MET	CA-C-N	18.68	143.19	119.84
2	6N	29	MET	C-N-CA	18.68	143.19	119.84
2	6V	29	MET	CA-C-N	18.68	143.19	119.84
2	6V	29	MET	C-N-CA	18.68	143.19	119.84
2	7F	29	MET	CA-C-N	18.68	143.19	119.84
2	7F	29	MET	C-N-CA	18.68	143.19	119.84
2	7R	29	MET	CA-C-N	18.68	143.19	119.84
2	7R	29	MET	C-N-CA	18.68	143.19	119.84
2	1F	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	2N	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	23	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	3N	108	HIS	ND1-CG-CD2	18.62	124.72	106.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	4J	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	4R	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	5Z	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	6F	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	6Z	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	7J	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	7V	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	1N	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	2J	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	3B	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	3J	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	33	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	4F	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	4Z	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	5V	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	6N	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	6V	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	7F	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	7R	108	HIS	ND1-CG-CD2	18.62	124.72	106.10
2	1F	208	SER	N-CA-CB	18.62	136.57	110.88
2	2N	208	SER	N-CA-CB	18.62	136.57	110.88
2	23	208	SER	N-CA-CB	18.62	136.57	110.88
2	3N	208	SER	N-CA-CB	18.62	136.57	110.88
2	37	208	SER	N-CA-CB	18.62	136.57	110.88
2	4J	208	SER	N-CA-CB	18.62	136.57	110.88
2	4R	208	SER	N-CA-CB	18.62	136.57	110.88
2	5Z	208	SER	N-CA-CB	18.62	136.57	110.88
2	6F	208	SER	N-CA-CB	18.62	136.57	110.88
2	6Z	208	SER	N-CA-CB	18.62	136.57	110.88
2	7J	208	SER	N-CA-CB	18.62	136.57	110.88
2	7V	208	SER	N-CA-CB	18.62	136.57	110.88
2	1B	108	HIS	ND1-CG-CD2	18.61	124.71	106.10
2	1J	108	HIS	ND1-CG-CD2	18.61	124.71	106.10
2	2F	108	HIS	ND1-CG-CD2	18.61	124.71	106.10
2	27	108	HIS	ND1-CG-CD2	18.61	124.71	106.10
2	3F	108	HIS	ND1-CG-CD2	18.61	124.71	106.10
2	4B	108	HIS	ND1-CG-CD2	18.61	124.71	106.10
2	4N	108	HIS	ND1-CG-CD2	18.61	124.71	106.10
2	4V	108	HIS	ND1-CG-CD2	18.61	124.71	106.10
2	5R	108	HIS	ND1-CG-CD2	18.61	124.71	106.10
2	6J	108	HIS	ND1-CG-CD2	18.61	124.71	106.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	108	HIS	ND1-CG-CD2	18.61	124.71	106.10
2	7N	108	HIS	ND1-CG-CD2	18.61	124.71	106.10
2	1B	208	SER	N-CA-CB	18.61	136.56	110.88
2	1J	208	SER	N-CA-CB	18.61	136.56	110.88
2	2F	208	SER	N-CA-CB	18.61	136.56	110.88
2	27	208	SER	N-CA-CB	18.61	136.56	110.88
2	3F	208	SER	N-CA-CB	18.61	136.56	110.88
2	4B	208	SER	N-CA-CB	18.61	136.56	110.88
2	4N	208	SER	N-CA-CB	18.61	136.56	110.88
2	4V	208	SER	N-CA-CB	18.61	136.56	110.88
2	5R	208	SER	N-CA-CB	18.61	136.56	110.88
2	6J	208	SER	N-CA-CB	18.61	136.56	110.88
2	6R	208	SER	N-CA-CB	18.61	136.56	110.88
2	7N	208	SER	N-CA-CB	18.61	136.56	110.88
2	1N	208	SER	N-CA-CB	18.60	136.55	110.88
2	13	208	SER	N-CA-CB	18.60	136.55	110.88
2	17	208	SER	N-CA-CB	18.60	136.55	110.88
2	2B	208	SER	N-CA-CB	18.60	136.55	110.88
2	2J	208	SER	N-CA-CB	18.60	136.55	110.88
2	3B	208	SER	N-CA-CB	18.60	136.55	110.88
2	3J	208	SER	N-CA-CB	18.60	136.55	110.88
2	3R	208	SER	N-CA-CB	18.60	136.55	110.88
2	3V	208	SER	N-CA-CB	18.60	136.55	110.88
2	3Z	208	SER	N-CA-CB	18.60	136.55	110.88
2	33	208	SER	N-CA-CB	18.60	136.55	110.88
2	4F	208	SER	N-CA-CB	18.60	136.55	110.88
2	4Z	208	SER	N-CA-CB	18.60	136.55	110.88
2	5F	208	SER	N-CA-CB	18.60	136.55	110.88
2	5J	208	SER	N-CA-CB	18.60	136.55	110.88
2	5N	208	SER	N-CA-CB	18.60	136.55	110.88
2	5V	208	SER	N-CA-CB	18.60	136.55	110.88
2	6N	208	SER	N-CA-CB	18.60	136.55	110.88
2	6V	208	SER	N-CA-CB	18.60	136.55	110.88
2	63	208	SER	N-CA-CB	18.60	136.55	110.88
2	67	208	SER	N-CA-CB	18.60	136.55	110.88
2	7B	208	SER	N-CA-CB	18.60	136.55	110.88
2	7F	208	SER	N-CA-CB	18.60	136.55	110.88
2	7R	208	SER	N-CA-CB	18.60	136.55	110.88
2	1R	208	SER	N-CA-CB	18.60	136.55	110.88
2	1V	208	SER	N-CA-CB	18.60	136.55	110.88
2	1Z	208	SER	N-CA-CB	18.60	136.55	110.88
2	2R	208	SER	N-CA-CB	18.60	136.55	110.88

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	208	SER	N-CA-CB	18.60	136.55	110.88
2	2Z	208	SER	N-CA-CB	18.60	136.55	110.88
2	43	208	SER	N-CA-CB	18.60	136.55	110.88
2	47	208	SER	N-CA-CB	18.60	136.55	110.88
2	5B	208	SER	N-CA-CB	18.60	136.55	110.88
2	53	208	SER	N-CA-CB	18.60	136.55	110.88
2	57	208	SER	N-CA-CB	18.60	136.55	110.88
2	6B	208	SER	N-CA-CB	18.60	136.55	110.88
2	13	108	HIS	ND1-CG-CD2	18.60	124.70	106.10
2	17	108	HIS	ND1-CG-CD2	18.60	124.70	106.10
2	2B	108	HIS	ND1-CG-CD2	18.60	124.70	106.10
2	3R	108	HIS	ND1-CG-CD2	18.60	124.70	106.10
2	3V	108	HIS	ND1-CG-CD2	18.60	124.70	106.10
2	3Z	108	HIS	ND1-CG-CD2	18.60	124.70	106.10
2	5F	108	HIS	ND1-CG-CD2	18.60	124.70	106.10
2	5J	108	HIS	ND1-CG-CD2	18.60	124.70	106.10
2	5N	108	HIS	ND1-CG-CD2	18.60	124.70	106.10
2	63	108	HIS	ND1-CG-CD2	18.60	124.70	106.10
2	67	108	HIS	ND1-CG-CD2	18.60	124.70	106.10
2	7B	108	HIS	ND1-CG-CD2	18.60	124.70	106.10
2	1R	108	HIS	ND1-CG-CD2	18.59	124.69	106.10
2	1V	108	HIS	ND1-CG-CD2	18.59	124.69	106.10
2	1Z	108	HIS	ND1-CG-CD2	18.59	124.69	106.10
2	2R	108	HIS	ND1-CG-CD2	18.59	124.69	106.10
2	2V	108	HIS	ND1-CG-CD2	18.59	124.69	106.10
2	2Z	108	HIS	ND1-CG-CD2	18.59	124.69	106.10
2	43	108	HIS	ND1-CG-CD2	18.59	124.69	106.10
2	47	108	HIS	ND1-CG-CD2	18.59	124.69	106.10
2	5B	108	HIS	ND1-CG-CD2	18.59	124.69	106.10
2	53	108	HIS	ND1-CG-CD2	18.59	124.69	106.10
2	57	108	HIS	ND1-CG-CD2	18.59	124.69	106.10
2	6B	108	HIS	ND1-CG-CD2	18.59	124.69	106.10
1	1E	144	VAL	CA-CB-CG2	18.59	142.00	110.40
1	2M	144	VAL	CA-CB-CG2	18.59	142.00	110.40
1	22	144	VAL	CA-CB-CG2	18.59	142.00	110.40
1	3M	144	VAL	CA-CB-CG2	18.59	142.00	110.40
1	36	144	VAL	CA-CB-CG2	18.59	142.00	110.40
1	4I	144	VAL	CA-CB-CG2	18.59	142.00	110.40
1	4Q	144	VAL	CA-CB-CG2	18.59	142.00	110.40
1	5Y	144	VAL	CA-CB-CG2	18.59	142.00	110.40
1	6E	144	VAL	CA-CB-CG2	18.59	142.00	110.40
1	6Y	144	VAL	CA-CB-CG2	18.59	142.00	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	144	VAL	CA-CB-CG2	18.59	142.00	110.40
1	7U	144	VAL	CA-CB-CG2	18.59	142.00	110.40
1	1A	144	VAL	CA-CB-CG2	18.57	141.97	110.40
1	1I	144	VAL	CA-CB-CG2	18.57	141.97	110.40
1	2E	144	VAL	CA-CB-CG2	18.57	141.97	110.40
1	26	144	VAL	CA-CB-CG2	18.57	141.97	110.40
1	3E	144	VAL	CA-CB-CG2	18.57	141.97	110.40
1	4A	144	VAL	CA-CB-CG2	18.57	141.97	110.40
1	4M	144	VAL	CA-CB-CG2	18.57	141.97	110.40
1	4U	144	VAL	CA-CB-CG2	18.57	141.97	110.40
1	5Q	144	VAL	CA-CB-CG2	18.57	141.97	110.40
1	6I	144	VAL	CA-CB-CG2	18.57	141.97	110.40
1	6Q	144	VAL	CA-CB-CG2	18.57	141.97	110.40
1	7M	144	VAL	CA-CB-CG2	18.57	141.97	110.40
1	1M	144	VAL	CA-CB-CG2	18.56	141.95	110.40
1	2I	144	VAL	CA-CB-CG2	18.56	141.95	110.40
1	3A	144	VAL	CA-CB-CG2	18.56	141.95	110.40
1	3I	144	VAL	CA-CB-CG2	18.56	141.95	110.40
1	32	144	VAL	CA-CB-CG2	18.56	141.95	110.40
1	4E	144	VAL	CA-CB-CG2	18.56	141.95	110.40
1	4Y	144	VAL	CA-CB-CG2	18.56	141.95	110.40
1	5U	144	VAL	CA-CB-CG2	18.56	141.95	110.40
1	6M	144	VAL	CA-CB-CG2	18.56	141.95	110.40
1	6U	144	VAL	CA-CB-CG2	18.56	141.95	110.40
1	7E	144	VAL	CA-CB-CG2	18.56	141.95	110.40
1	7Q	144	VAL	CA-CB-CG2	18.56	141.95	110.40
1	12	144	VAL	CA-CB-CG2	18.55	141.94	110.40
1	16	144	VAL	CA-CB-CG2	18.55	141.94	110.40
1	2A	144	VAL	CA-CB-CG2	18.55	141.94	110.40
1	3Q	144	VAL	CA-CB-CG2	18.55	141.94	110.40
1	3U	144	VAL	CA-CB-CG2	18.55	141.94	110.40
1	3Y	144	VAL	CA-CB-CG2	18.55	141.94	110.40
1	5E	144	VAL	CA-CB-CG2	18.55	141.94	110.40
1	5I	144	VAL	CA-CB-CG2	18.55	141.94	110.40
1	5M	144	VAL	CA-CB-CG2	18.55	141.94	110.40
1	62	144	VAL	CA-CB-CG2	18.55	141.94	110.40
1	66	144	VAL	CA-CB-CG2	18.55	141.94	110.40
1	7A	144	VAL	CA-CB-CG2	18.55	141.94	110.40
1	1Q	144	VAL	CA-CB-CG2	18.54	141.92	110.40
1	1U	144	VAL	CA-CB-CG2	18.54	141.92	110.40
1	1Y	144	VAL	CA-CB-CG2	18.54	141.92	110.40
1	2Q	144	VAL	CA-CB-CG2	18.54	141.92	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	144	VAL	CA-CB-CG2	18.54	141.92	110.40
1	2Y	144	VAL	CA-CB-CG2	18.54	141.92	110.40
1	42	144	VAL	CA-CB-CG2	18.54	141.92	110.40
1	46	144	VAL	CA-CB-CG2	18.54	141.92	110.40
1	5A	144	VAL	CA-CB-CG2	18.54	141.92	110.40
1	52	144	VAL	CA-CB-CG2	18.54	141.92	110.40
1	56	144	VAL	CA-CB-CG2	18.54	141.92	110.40
1	6A	144	VAL	CA-CB-CG2	18.54	141.92	110.40
2	13	227	TYR	CB-CG-CD2	-18.51	93.03	120.80
2	17	227	TYR	CB-CG-CD2	-18.51	93.03	120.80
2	2B	227	TYR	CB-CG-CD2	-18.51	93.03	120.80
2	3R	227	TYR	CB-CG-CD2	-18.51	93.03	120.80
2	3V	227	TYR	CB-CG-CD2	-18.51	93.03	120.80
2	3Z	227	TYR	CB-CG-CD2	-18.51	93.03	120.80
2	5F	227	TYR	CB-CG-CD2	-18.51	93.03	120.80
2	5J	227	TYR	CB-CG-CD2	-18.51	93.03	120.80
2	5N	227	TYR	CB-CG-CD2	-18.51	93.03	120.80
2	63	227	TYR	CB-CG-CD2	-18.51	93.03	120.80
2	67	227	TYR	CB-CG-CD2	-18.51	93.03	120.80
2	7B	227	TYR	CB-CG-CD2	-18.51	93.03	120.80
2	1F	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	2N	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	23	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	3N	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	37	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	4J	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	4R	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	5Z	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	6F	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	6Z	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	7J	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	7V	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	1B	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	1J	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	1R	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	1V	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	1Z	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	2F	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	2R	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	2V	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	2Z	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	27	227	TYR	CB-CG-CD2	-18.50	93.05	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	4B	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	4N	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	4V	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	43	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	47	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	5B	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	5R	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	53	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	57	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	6B	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	6J	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	6R	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	7N	227	TYR	CB-CG-CD2	-18.50	93.05	120.80
2	1N	227	TYR	CB-CG-CD2	-18.48	93.07	120.80
2	2J	227	TYR	CB-CG-CD2	-18.48	93.07	120.80
2	3B	227	TYR	CB-CG-CD2	-18.48	93.07	120.80
2	3J	227	TYR	CB-CG-CD2	-18.48	93.07	120.80
2	33	227	TYR	CB-CG-CD2	-18.48	93.07	120.80
2	4F	227	TYR	CB-CG-CD2	-18.48	93.07	120.80
2	4Z	227	TYR	CB-CG-CD2	-18.48	93.07	120.80
2	5V	227	TYR	CB-CG-CD2	-18.48	93.07	120.80
2	6N	227	TYR	CB-CG-CD2	-18.48	93.07	120.80
2	6V	227	TYR	CB-CG-CD2	-18.48	93.07	120.80
2	7F	227	TYR	CB-CG-CD2	-18.48	93.07	120.80
2	7R	227	TYR	CB-CG-CD2	-18.48	93.07	120.80
4	1D	93	LEU	CB-CA-C	18.41	140.96	110.22
4	1L	93	LEU	CB-CA-C	18.41	140.96	110.22
4	1P	93	LEU	CB-CA-C	18.41	140.96	110.22
4	2H	93	LEU	CB-CA-C	18.41	140.96	110.22
4	2L	93	LEU	CB-CA-C	18.41	140.96	110.22
4	29	93	LEU	CB-CA-C	18.41	140.96	110.22
4	3D	93	LEU	CB-CA-C	18.41	140.96	110.22
4	3H	93	LEU	CB-CA-C	18.41	140.96	110.22
4	3L	93	LEU	CB-CA-C	18.41	140.96	110.22
4	35	93	LEU	CB-CA-C	18.41	140.96	110.22
4	4D	93	LEU	CB-CA-C	18.41	140.96	110.22
4	4H	93	LEU	CB-CA-C	18.41	140.96	110.22
4	4P	93	LEU	CB-CA-C	18.41	140.96	110.22
4	4X	93	LEU	CB-CA-C	18.41	140.96	110.22
4	41	93	LEU	CB-CA-C	18.41	140.96	110.22
4	5T	93	LEU	CB-CA-C	18.41	140.96	110.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	5X	93	LEU	CB-CA-C	18.41	140.96	110.22
4	6L	93	LEU	CB-CA-C	18.41	140.96	110.22
4	6P	93	LEU	CB-CA-C	18.41	140.96	110.22
4	6T	93	LEU	CB-CA-C	18.41	140.96	110.22
4	6X	93	LEU	CB-CA-C	18.41	140.96	110.22
4	7H	93	LEU	CB-CA-C	18.41	140.96	110.22
4	7P	93	LEU	CB-CA-C	18.41	140.96	110.22
4	7T	93	LEU	CB-CA-C	18.41	140.96	110.22
4	15	93	LEU	CB-CA-C	18.40	140.95	110.22
4	19	93	LEU	CB-CA-C	18.40	140.95	110.22
4	2D	93	LEU	CB-CA-C	18.40	140.95	110.22
4	3T	93	LEU	CB-CA-C	18.40	140.95	110.22
4	3X	93	LEU	CB-CA-C	18.40	140.95	110.22
4	31	93	LEU	CB-CA-C	18.40	140.95	110.22
4	5H	93	LEU	CB-CA-C	18.40	140.95	110.22
4	5L	93	LEU	CB-CA-C	18.40	140.95	110.22
4	5P	93	LEU	CB-CA-C	18.40	140.95	110.22
4	65	93	LEU	CB-CA-C	18.40	140.95	110.22
4	69	93	LEU	CB-CA-C	18.40	140.95	110.22
4	7D	93	LEU	CB-CA-C	18.40	140.95	110.22
4	1T	93	LEU	CB-CA-C	18.40	140.94	110.22
4	1X	93	LEU	CB-CA-C	18.40	140.94	110.22
4	11	93	LEU	CB-CA-C	18.40	140.94	110.22
4	2T	93	LEU	CB-CA-C	18.40	140.94	110.22
4	2X	93	LEU	CB-CA-C	18.40	140.94	110.22
4	21	93	LEU	CB-CA-C	18.40	140.94	110.22
4	45	93	LEU	CB-CA-C	18.40	140.94	110.22
4	49	93	LEU	CB-CA-C	18.40	140.94	110.22
4	5D	93	LEU	CB-CA-C	18.40	140.94	110.22
4	55	93	LEU	CB-CA-C	18.40	140.94	110.22
4	59	93	LEU	CB-CA-C	18.40	140.94	110.22
4	6D	93	LEU	CB-CA-C	18.40	140.94	110.22
4	1H	93	LEU	CB-CA-C	18.38	140.92	110.22
4	2P	93	LEU	CB-CA-C	18.38	140.92	110.22
4	25	93	LEU	CB-CA-C	18.38	140.92	110.22
4	3P	93	LEU	CB-CA-C	18.38	140.92	110.22
4	39	93	LEU	CB-CA-C	18.38	140.92	110.22
4	4L	93	LEU	CB-CA-C	18.38	140.92	110.22
4	4T	93	LEU	CB-CA-C	18.38	140.92	110.22
4	51	93	LEU	CB-CA-C	18.38	140.92	110.22
4	6H	93	LEU	CB-CA-C	18.38	140.92	110.22
4	61	93	LEU	CB-CA-C	18.38	140.92	110.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	7L	93	LEU	CB-CA-C	18.38	140.92	110.22
4	7X	93	LEU	CB-CA-C	18.38	140.92	110.22
2	1F	52	ASP	O-C-N	-18.37	99.28	122.43
2	2N	52	ASP	O-C-N	-18.37	99.28	122.43
2	23	52	ASP	O-C-N	-18.37	99.28	122.43
2	3N	52	ASP	O-C-N	-18.37	99.28	122.43
2	37	52	ASP	O-C-N	-18.37	99.28	122.43
2	4J	52	ASP	O-C-N	-18.37	99.28	122.43
2	4R	52	ASP	O-C-N	-18.37	99.28	122.43
2	5Z	52	ASP	O-C-N	-18.37	99.28	122.43
2	6F	52	ASP	O-C-N	-18.37	99.28	122.43
2	6Z	52	ASP	O-C-N	-18.37	99.28	122.43
2	7J	52	ASP	O-C-N	-18.37	99.28	122.43
2	7V	52	ASP	O-C-N	-18.37	99.28	122.43
2	13	52	ASP	O-C-N	-18.36	99.29	122.43
2	17	52	ASP	O-C-N	-18.36	99.29	122.43
2	2B	52	ASP	O-C-N	-18.36	99.29	122.43
2	3R	52	ASP	O-C-N	-18.36	99.29	122.43
2	3V	52	ASP	O-C-N	-18.36	99.29	122.43
2	3Z	52	ASP	O-C-N	-18.36	99.29	122.43
2	5F	52	ASP	O-C-N	-18.36	99.29	122.43
2	5J	52	ASP	O-C-N	-18.36	99.29	122.43
2	5N	52	ASP	O-C-N	-18.36	99.29	122.43
2	63	52	ASP	O-C-N	-18.36	99.29	122.43
2	67	52	ASP	O-C-N	-18.36	99.29	122.43
2	7B	52	ASP	O-C-N	-18.36	99.29	122.43
2	1B	52	ASP	O-C-N	-18.36	99.29	122.43
2	1J	52	ASP	O-C-N	-18.36	99.29	122.43
2	2F	52	ASP	O-C-N	-18.36	99.29	122.43
2	27	52	ASP	O-C-N	-18.36	99.29	122.43
2	3F	52	ASP	O-C-N	-18.36	99.29	122.43
2	4B	52	ASP	O-C-N	-18.36	99.29	122.43
2	4N	52	ASP	O-C-N	-18.36	99.29	122.43
2	4V	52	ASP	O-C-N	-18.36	99.29	122.43
2	5R	52	ASP	O-C-N	-18.36	99.29	122.43
2	6J	52	ASP	O-C-N	-18.36	99.29	122.43
2	6R	52	ASP	O-C-N	-18.36	99.29	122.43
2	7N	52	ASP	O-C-N	-18.36	99.29	122.43
2	1N	55	PRO	N-CD-CG	-18.35	75.67	103.20
2	2J	55	PRO	N-CD-CG	-18.35	75.67	103.20
2	3B	55	PRO	N-CD-CG	-18.35	75.67	103.20
2	3J	55	PRO	N-CD-CG	-18.35	75.67	103.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	55	PRO	N-CD-CG	-18.35	75.67	103.20
2	4F	55	PRO	N-CD-CG	-18.35	75.67	103.20
2	4Z	55	PRO	N-CD-CG	-18.35	75.67	103.20
2	5V	55	PRO	N-CD-CG	-18.35	75.67	103.20
2	6N	55	PRO	N-CD-CG	-18.35	75.67	103.20
2	6V	55	PRO	N-CD-CG	-18.35	75.67	103.20
2	7F	55	PRO	N-CD-CG	-18.35	75.67	103.20
2	7R	55	PRO	N-CD-CG	-18.35	75.67	103.20
2	1F	55	PRO	N-CD-CG	-18.35	75.68	103.20
2	2N	55	PRO	N-CD-CG	-18.35	75.68	103.20
2	23	55	PRO	N-CD-CG	-18.35	75.68	103.20
2	3N	55	PRO	N-CD-CG	-18.35	75.68	103.20
2	37	55	PRO	N-CD-CG	-18.35	75.68	103.20
2	4J	55	PRO	N-CD-CG	-18.35	75.68	103.20
2	4R	55	PRO	N-CD-CG	-18.35	75.68	103.20
2	5Z	55	PRO	N-CD-CG	-18.35	75.68	103.20
2	6F	55	PRO	N-CD-CG	-18.35	75.68	103.20
2	6Z	55	PRO	N-CD-CG	-18.35	75.68	103.20
2	7J	55	PRO	N-CD-CG	-18.35	75.68	103.20
2	7V	55	PRO	N-CD-CG	-18.35	75.68	103.20
2	1R	52	ASP	O-C-N	-18.34	99.32	122.43
2	1V	52	ASP	O-C-N	-18.34	99.32	122.43
2	1Z	52	ASP	O-C-N	-18.34	99.32	122.43
2	2R	52	ASP	O-C-N	-18.34	99.32	122.43
2	2V	52	ASP	O-C-N	-18.34	99.32	122.43
2	2Z	52	ASP	O-C-N	-18.34	99.32	122.43
2	43	52	ASP	O-C-N	-18.34	99.32	122.43
2	47	52	ASP	O-C-N	-18.34	99.32	122.43
2	5B	52	ASP	O-C-N	-18.34	99.32	122.43
2	53	52	ASP	O-C-N	-18.34	99.32	122.43
2	57	52	ASP	O-C-N	-18.34	99.32	122.43
2	6B	52	ASP	O-C-N	-18.34	99.32	122.43
2	1R	218	ARG	NH1-CZ-NH2	18.34	143.15	119.30
2	1V	218	ARG	NH1-CZ-NH2	18.34	143.15	119.30
2	1Z	218	ARG	NH1-CZ-NH2	18.34	143.15	119.30
2	2R	218	ARG	NH1-CZ-NH2	18.34	143.15	119.30
2	2V	218	ARG	NH1-CZ-NH2	18.34	143.15	119.30
2	2Z	218	ARG	NH1-CZ-NH2	18.34	143.15	119.30
2	43	218	ARG	NH1-CZ-NH2	18.34	143.15	119.30
2	47	218	ARG	NH1-CZ-NH2	18.34	143.15	119.30
2	5B	218	ARG	NH1-CZ-NH2	18.34	143.15	119.30
2	53	218	ARG	NH1-CZ-NH2	18.34	143.15	119.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	218	ARG	NH1-CZ-NH2	18.34	143.15	119.30
2	6B	218	ARG	NH1-CZ-NH2	18.34	143.15	119.30
2	1B	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	1J	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	1R	55	PRO	N-CD-CG	-18.34	75.69	103.20
2	1V	55	PRO	N-CD-CG	-18.34	75.69	103.20
2	1Z	55	PRO	N-CD-CG	-18.34	75.69	103.20
2	2F	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	2R	55	PRO	N-CD-CG	-18.34	75.69	103.20
2	2V	55	PRO	N-CD-CG	-18.34	75.69	103.20
2	2Z	55	PRO	N-CD-CG	-18.34	75.69	103.20
2	27	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	3F	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	4B	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	4N	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	4V	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	43	55	PRO	N-CD-CG	-18.34	75.69	103.20
2	47	55	PRO	N-CD-CG	-18.34	75.69	103.20
2	5B	55	PRO	N-CD-CG	-18.34	75.69	103.20
2	5R	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	53	55	PRO	N-CD-CG	-18.34	75.69	103.20
2	57	55	PRO	N-CD-CG	-18.34	75.69	103.20
2	6B	55	PRO	N-CD-CG	-18.34	75.69	103.20
2	6J	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	6R	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	7N	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	13	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	17	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	2B	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	3R	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	3V	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	3Z	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	5F	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	5J	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	5N	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	63	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	67	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	7B	218	ARG	NH1-CZ-NH2	18.34	143.14	119.30
2	1N	52	ASP	O-C-N	-18.33	99.33	122.43
2	2J	52	ASP	O-C-N	-18.33	99.33	122.43
2	3B	52	ASP	O-C-N	-18.33	99.33	122.43
2	3J	52	ASP	O-C-N	-18.33	99.33	122.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	52	ASP	O-C-N	-18.33	99.33	122.43
2	4F	52	ASP	O-C-N	-18.33	99.33	122.43
2	4Z	52	ASP	O-C-N	-18.33	99.33	122.43
2	5V	52	ASP	O-C-N	-18.33	99.33	122.43
2	6N	52	ASP	O-C-N	-18.33	99.33	122.43
2	6V	52	ASP	O-C-N	-18.33	99.33	122.43
2	7F	52	ASP	O-C-N	-18.33	99.33	122.43
2	7R	52	ASP	O-C-N	-18.33	99.33	122.43
2	1B	55	PRO	N-CD-CG	-18.33	75.71	103.20
2	1J	55	PRO	N-CD-CG	-18.33	75.71	103.20
2	2F	55	PRO	N-CD-CG	-18.33	75.71	103.20
2	27	55	PRO	N-CD-CG	-18.33	75.71	103.20
2	3F	55	PRO	N-CD-CG	-18.33	75.71	103.20
2	4B	55	PRO	N-CD-CG	-18.33	75.71	103.20
2	4N	55	PRO	N-CD-CG	-18.33	75.71	103.20
2	4V	55	PRO	N-CD-CG	-18.33	75.71	103.20
2	5R	55	PRO	N-CD-CG	-18.33	75.71	103.20
2	6J	55	PRO	N-CD-CG	-18.33	75.71	103.20
2	6R	55	PRO	N-CD-CG	-18.33	75.71	103.20
2	7N	55	PRO	N-CD-CG	-18.33	75.71	103.20
2	13	55	PRO	N-CD-CG	-18.32	75.72	103.20
2	17	55	PRO	N-CD-CG	-18.32	75.72	103.20
2	2B	55	PRO	N-CD-CG	-18.32	75.72	103.20
2	3R	55	PRO	N-CD-CG	-18.32	75.72	103.20
2	3V	55	PRO	N-CD-CG	-18.32	75.72	103.20
2	3Z	55	PRO	N-CD-CG	-18.32	75.72	103.20
2	5F	55	PRO	N-CD-CG	-18.32	75.72	103.20
2	5J	55	PRO	N-CD-CG	-18.32	75.72	103.20
2	5N	55	PRO	N-CD-CG	-18.32	75.72	103.20
2	63	55	PRO	N-CD-CG	-18.32	75.72	103.20
2	67	55	PRO	N-CD-CG	-18.32	75.72	103.20
2	7B	55	PRO	N-CD-CG	-18.32	75.72	103.20
2	1F	218	ARG	NH1-CZ-NH2	18.32	143.12	119.30
2	2N	218	ARG	NH1-CZ-NH2	18.32	143.12	119.30
2	23	218	ARG	NH1-CZ-NH2	18.32	143.12	119.30
2	3N	218	ARG	NH1-CZ-NH2	18.32	143.12	119.30
2	37	218	ARG	NH1-CZ-NH2	18.32	143.12	119.30
2	4J	218	ARG	NH1-CZ-NH2	18.32	143.12	119.30
2	4R	218	ARG	NH1-CZ-NH2	18.32	143.12	119.30
2	5Z	218	ARG	NH1-CZ-NH2	18.32	143.12	119.30
2	6F	218	ARG	NH1-CZ-NH2	18.32	143.12	119.30
2	6Z	218	ARG	NH1-CZ-NH2	18.32	143.12	119.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	218	ARG	NH1-CZ-NH2	18.32	143.12	119.30
2	7V	218	ARG	NH1-CZ-NH2	18.32	143.12	119.30
2	1N	218	ARG	NH1-CZ-NH2	18.30	143.10	119.30
2	2J	218	ARG	NH1-CZ-NH2	18.30	143.10	119.30
2	3B	218	ARG	NH1-CZ-NH2	18.30	143.10	119.30
2	3J	218	ARG	NH1-CZ-NH2	18.30	143.10	119.30
2	33	218	ARG	NH1-CZ-NH2	18.30	143.10	119.30
2	4F	218	ARG	NH1-CZ-NH2	18.30	143.10	119.30
2	4Z	218	ARG	NH1-CZ-NH2	18.30	143.10	119.30
2	5V	218	ARG	NH1-CZ-NH2	18.30	143.10	119.30
2	6N	218	ARG	NH1-CZ-NH2	18.30	143.10	119.30
2	6V	218	ARG	NH1-CZ-NH2	18.30	143.10	119.30
2	7F	218	ARG	NH1-CZ-NH2	18.30	143.10	119.30
2	7R	218	ARG	NH1-CZ-NH2	18.30	143.10	119.30
1	1Q	19	SER	CA-C-O	18.29	143.73	121.60
1	1U	19	SER	CA-C-O	18.29	143.73	121.60
1	1Y	19	SER	CA-C-O	18.29	143.73	121.60
1	2Q	19	SER	CA-C-O	18.29	143.73	121.60
1	2U	19	SER	CA-C-O	18.29	143.73	121.60
1	2Y	19	SER	CA-C-O	18.29	143.73	121.60
1	42	19	SER	CA-C-O	18.29	143.73	121.60
1	46	19	SER	CA-C-O	18.29	143.73	121.60
1	5A	19	SER	CA-C-O	18.29	143.73	121.60
1	52	19	SER	CA-C-O	18.29	143.73	121.60
1	56	19	SER	CA-C-O	18.29	143.73	121.60
1	6A	19	SER	CA-C-O	18.29	143.73	121.60
2	1F	78	HIS	O-C-N	18.28	148.32	122.36
2	2N	78	HIS	O-C-N	18.28	148.32	122.36
2	23	78	HIS	O-C-N	18.28	148.32	122.36
2	3N	78	HIS	O-C-N	18.28	148.32	122.36
2	37	78	HIS	O-C-N	18.28	148.32	122.36
2	4J	78	HIS	O-C-N	18.28	148.32	122.36
2	4R	78	HIS	O-C-N	18.28	148.32	122.36
2	5Z	78	HIS	O-C-N	18.28	148.32	122.36
2	6F	78	HIS	O-C-N	18.28	148.32	122.36
2	6Z	78	HIS	O-C-N	18.28	148.32	122.36
2	7J	78	HIS	O-C-N	18.28	148.32	122.36
2	7V	78	HIS	O-C-N	18.28	148.32	122.36
1	12	19	SER	CA-C-O	18.28	143.72	121.60
1	16	19	SER	CA-C-O	18.28	143.72	121.60
1	2A	19	SER	CA-C-O	18.28	143.72	121.60
1	3Q	19	SER	CA-C-O	18.28	143.72	121.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	19	SER	CA-C-O	18.28	143.72	121.60
1	3Y	19	SER	CA-C-O	18.28	143.72	121.60
1	5E	19	SER	CA-C-O	18.28	143.72	121.60
1	5I	19	SER	CA-C-O	18.28	143.72	121.60
1	5M	19	SER	CA-C-O	18.28	143.72	121.60
1	62	19	SER	CA-C-O	18.28	143.72	121.60
1	66	19	SER	CA-C-O	18.28	143.72	121.60
1	7A	19	SER	CA-C-O	18.28	143.72	121.60
2	1R	8	VAL	O-C-N	18.28	145.41	122.57
2	1V	8	VAL	O-C-N	18.28	145.41	122.57
2	1Z	8	VAL	O-C-N	18.28	145.41	122.57
2	2R	8	VAL	O-C-N	18.28	145.41	122.57
2	2V	8	VAL	O-C-N	18.28	145.41	122.57
2	2Z	8	VAL	O-C-N	18.28	145.41	122.57
2	43	8	VAL	O-C-N	18.28	145.41	122.57
2	47	8	VAL	O-C-N	18.28	145.41	122.57
2	5B	8	VAL	O-C-N	18.28	145.41	122.57
2	53	8	VAL	O-C-N	18.28	145.41	122.57
2	57	8	VAL	O-C-N	18.28	145.41	122.57
2	6B	8	VAL	O-C-N	18.28	145.41	122.57
1	1A	19	SER	CA-C-O	18.27	143.71	121.60
1	1I	19	SER	CA-C-O	18.27	143.71	121.60
1	2E	19	SER	CA-C-O	18.27	143.71	121.60
1	26	19	SER	CA-C-O	18.27	143.71	121.60
1	3E	19	SER	CA-C-O	18.27	143.71	121.60
1	4A	19	SER	CA-C-O	18.27	143.71	121.60
1	4M	19	SER	CA-C-O	18.27	143.71	121.60
1	4U	19	SER	CA-C-O	18.27	143.71	121.60
1	5Q	19	SER	CA-C-O	18.27	143.71	121.60
1	6I	19	SER	CA-C-O	18.27	143.71	121.60
1	6Q	19	SER	CA-C-O	18.27	143.71	121.60
1	7M	19	SER	CA-C-O	18.27	143.71	121.60
2	1B	78	HIS	O-C-N	18.26	148.29	122.36
2	1J	78	HIS	O-C-N	18.26	148.29	122.36
2	2F	78	HIS	O-C-N	18.26	148.29	122.36
2	27	78	HIS	O-C-N	18.26	148.29	122.36
2	3F	78	HIS	O-C-N	18.26	148.29	122.36
2	4B	78	HIS	O-C-N	18.26	148.29	122.36
2	4N	78	HIS	O-C-N	18.26	148.29	122.36
2	4V	78	HIS	O-C-N	18.26	148.29	122.36
2	5R	78	HIS	O-C-N	18.26	148.29	122.36
2	6J	78	HIS	O-C-N	18.26	148.29	122.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	78	HIS	O-C-N	18.26	148.29	122.36
2	7N	78	HIS	O-C-N	18.26	148.29	122.36
1	1E	19	SER	CA-C-O	18.26	143.69	121.60
1	2M	19	SER	CA-C-O	18.26	143.69	121.60
1	22	19	SER	CA-C-O	18.26	143.69	121.60
1	3M	19	SER	CA-C-O	18.26	143.69	121.60
1	36	19	SER	CA-C-O	18.26	143.69	121.60
1	4I	19	SER	CA-C-O	18.26	143.69	121.60
1	4Q	19	SER	CA-C-O	18.26	143.69	121.60
1	5Y	19	SER	CA-C-O	18.26	143.69	121.60
1	6E	19	SER	CA-C-O	18.26	143.69	121.60
1	6Y	19	SER	CA-C-O	18.26	143.69	121.60
1	7I	19	SER	CA-C-O	18.26	143.69	121.60
1	7U	19	SER	CA-C-O	18.26	143.69	121.60
2	1B	8	VAL	O-C-N	18.25	145.39	122.57
2	1J	8	VAL	O-C-N	18.25	145.39	122.57
2	1R	78	HIS	O-C-N	18.25	148.28	122.36
2	1V	78	HIS	O-C-N	18.25	148.28	122.36
2	1Z	78	HIS	O-C-N	18.25	148.28	122.36
2	2F	8	VAL	O-C-N	18.25	145.39	122.57
2	2R	78	HIS	O-C-N	18.25	148.28	122.36
2	2V	78	HIS	O-C-N	18.25	148.28	122.36
2	2Z	78	HIS	O-C-N	18.25	148.28	122.36
2	27	8	VAL	O-C-N	18.25	145.39	122.57
2	3F	8	VAL	O-C-N	18.25	145.39	122.57
2	4B	8	VAL	O-C-N	18.25	145.39	122.57
2	4N	8	VAL	O-C-N	18.25	145.39	122.57
2	4V	8	VAL	O-C-N	18.25	145.39	122.57
2	43	78	HIS	O-C-N	18.25	148.28	122.36
2	47	78	HIS	O-C-N	18.25	148.28	122.36
2	5B	78	HIS	O-C-N	18.25	148.28	122.36
2	5R	8	VAL	O-C-N	18.25	145.39	122.57
2	53	78	HIS	O-C-N	18.25	148.28	122.36
2	57	78	HIS	O-C-N	18.25	148.28	122.36
2	6B	78	HIS	O-C-N	18.25	148.28	122.36
2	6J	8	VAL	O-C-N	18.25	145.39	122.57
2	6R	8	VAL	O-C-N	18.25	145.39	122.57
2	7N	8	VAL	O-C-N	18.25	145.39	122.57
1	1M	19	SER	CA-C-O	18.25	143.68	121.60
2	1N	78	HIS	O-C-N	18.25	148.28	122.36
1	2I	19	SER	CA-C-O	18.25	143.68	121.60
2	2J	78	HIS	O-C-N	18.25	148.28	122.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3A	19	SER	CA-C-O	18.25	143.68	121.60
2	3B	78	HIS	O-C-N	18.25	148.28	122.36
1	3I	19	SER	CA-C-O	18.25	143.68	121.60
2	3J	78	HIS	O-C-N	18.25	148.28	122.36
1	32	19	SER	CA-C-O	18.25	143.68	121.60
2	33	78	HIS	O-C-N	18.25	148.28	122.36
1	4E	19	SER	CA-C-O	18.25	143.68	121.60
2	4F	78	HIS	O-C-N	18.25	148.28	122.36
1	4Y	19	SER	CA-C-O	18.25	143.68	121.60
2	4Z	78	HIS	O-C-N	18.25	148.28	122.36
1	5U	19	SER	CA-C-O	18.25	143.68	121.60
2	5V	78	HIS	O-C-N	18.25	148.28	122.36
1	6M	19	SER	CA-C-O	18.25	143.68	121.60
2	6N	78	HIS	O-C-N	18.25	148.28	122.36
1	6U	19	SER	CA-C-O	18.25	143.68	121.60
2	6V	78	HIS	O-C-N	18.25	148.28	122.36
1	7E	19	SER	CA-C-O	18.25	143.68	121.60
2	7F	78	HIS	O-C-N	18.25	148.28	122.36
1	7Q	19	SER	CA-C-O	18.25	143.68	121.60
2	7R	78	HIS	O-C-N	18.25	148.28	122.36
2	13	78	HIS	O-C-N	18.25	148.27	122.36
2	17	78	HIS	O-C-N	18.25	148.27	122.36
2	2B	78	HIS	O-C-N	18.25	148.27	122.36
2	3R	78	HIS	O-C-N	18.25	148.27	122.36
2	3V	78	HIS	O-C-N	18.25	148.27	122.36
2	3Z	78	HIS	O-C-N	18.25	148.27	122.36
2	5F	78	HIS	O-C-N	18.25	148.27	122.36
2	5J	78	HIS	O-C-N	18.25	148.27	122.36
2	5N	78	HIS	O-C-N	18.25	148.27	122.36
2	63	78	HIS	O-C-N	18.25	148.27	122.36
2	67	78	HIS	O-C-N	18.25	148.27	122.36
2	7B	78	HIS	O-C-N	18.25	148.27	122.36
2	1F	8	VAL	O-C-N	18.22	145.35	122.57
2	2N	8	VAL	O-C-N	18.22	145.35	122.57
2	23	8	VAL	O-C-N	18.22	145.35	122.57
2	3N	8	VAL	O-C-N	18.22	145.35	122.57
2	37	8	VAL	O-C-N	18.22	145.35	122.57
2	4J	8	VAL	O-C-N	18.22	145.35	122.57
2	4R	8	VAL	O-C-N	18.22	145.35	122.57
2	5Z	8	VAL	O-C-N	18.22	145.35	122.57
2	6F	8	VAL	O-C-N	18.22	145.35	122.57
2	6Z	8	VAL	O-C-N	18.22	145.35	122.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	8	VAL	O-C-N	18.22	145.35	122.57
2	7V	8	VAL	O-C-N	18.22	145.35	122.57
2	13	8	VAL	O-C-N	18.22	145.34	122.57
2	17	8	VAL	O-C-N	18.22	145.34	122.57
2	2B	8	VAL	O-C-N	18.22	145.34	122.57
2	3R	8	VAL	O-C-N	18.22	145.34	122.57
2	3V	8	VAL	O-C-N	18.22	145.34	122.57
2	3Z	8	VAL	O-C-N	18.22	145.34	122.57
2	5F	8	VAL	O-C-N	18.22	145.34	122.57
2	5J	8	VAL	O-C-N	18.22	145.34	122.57
2	5N	8	VAL	O-C-N	18.22	145.34	122.57
2	63	8	VAL	O-C-N	18.22	145.34	122.57
2	67	8	VAL	O-C-N	18.22	145.34	122.57
2	7B	8	VAL	O-C-N	18.22	145.34	122.57
2	1N	8	VAL	O-C-N	18.21	145.33	122.57
2	2J	8	VAL	O-C-N	18.21	145.33	122.57
2	3B	8	VAL	O-C-N	18.21	145.33	122.57
2	3J	8	VAL	O-C-N	18.21	145.33	122.57
2	33	8	VAL	O-C-N	18.21	145.33	122.57
2	4F	8	VAL	O-C-N	18.21	145.33	122.57
2	4Z	8	VAL	O-C-N	18.21	145.33	122.57
2	5V	8	VAL	O-C-N	18.21	145.33	122.57
2	6N	8	VAL	O-C-N	18.21	145.33	122.57
2	6V	8	VAL	O-C-N	18.21	145.33	122.57
2	7F	8	VAL	O-C-N	18.21	145.33	122.57
2	7R	8	VAL	O-C-N	18.21	145.33	122.57
1	1M	20	GLU	N-CA-C	-18.18	90.64	113.55
1	2I	20	GLU	N-CA-C	-18.18	90.64	113.55
1	3A	20	GLU	N-CA-C	-18.18	90.64	113.55
1	3I	20	GLU	N-CA-C	-18.18	90.64	113.55
1	32	20	GLU	N-CA-C	-18.18	90.64	113.55
1	4E	20	GLU	N-CA-C	-18.18	90.64	113.55
1	4Y	20	GLU	N-CA-C	-18.18	90.64	113.55
1	5U	20	GLU	N-CA-C	-18.18	90.64	113.55
1	6M	20	GLU	N-CA-C	-18.18	90.64	113.55
1	6U	20	GLU	N-CA-C	-18.18	90.64	113.55
1	7E	20	GLU	N-CA-C	-18.18	90.64	113.55
1	7Q	20	GLU	N-CA-C	-18.18	90.64	113.55
1	1Q	20	GLU	N-CA-C	-18.17	90.66	113.55
1	1U	20	GLU	N-CA-C	-18.17	90.66	113.55
1	1Y	20	GLU	N-CA-C	-18.17	90.66	113.55
1	2Q	20	GLU	N-CA-C	-18.17	90.66	113.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	20	GLU	N-CA-C	-18.17	90.66	113.55
1	2Y	20	GLU	N-CA-C	-18.17	90.66	113.55
1	42	20	GLU	N-CA-C	-18.17	90.66	113.55
1	46	20	GLU	N-CA-C	-18.17	90.66	113.55
1	5A	20	GLU	N-CA-C	-18.17	90.66	113.55
1	52	20	GLU	N-CA-C	-18.17	90.66	113.55
1	56	20	GLU	N-CA-C	-18.17	90.66	113.55
1	6A	20	GLU	N-CA-C	-18.17	90.66	113.55
1	1E	20	GLU	N-CA-C	-18.16	90.67	113.55
1	2M	20	GLU	N-CA-C	-18.16	90.67	113.55
1	22	20	GLU	N-CA-C	-18.16	90.67	113.55
1	3M	20	GLU	N-CA-C	-18.16	90.67	113.55
1	36	20	GLU	N-CA-C	-18.16	90.67	113.55
1	4I	20	GLU	N-CA-C	-18.16	90.67	113.55
1	4Q	20	GLU	N-CA-C	-18.16	90.67	113.55
1	5Y	20	GLU	N-CA-C	-18.16	90.67	113.55
1	6E	20	GLU	N-CA-C	-18.16	90.67	113.55
1	6Y	20	GLU	N-CA-C	-18.16	90.67	113.55
1	7I	20	GLU	N-CA-C	-18.16	90.67	113.55
1	7U	20	GLU	N-CA-C	-18.16	90.67	113.55
1	1A	20	GLU	N-CA-C	-18.15	90.68	113.55
1	1I	20	GLU	N-CA-C	-18.15	90.68	113.55
1	2E	20	GLU	N-CA-C	-18.15	90.68	113.55
1	26	20	GLU	N-CA-C	-18.15	90.68	113.55
1	3E	20	GLU	N-CA-C	-18.15	90.68	113.55
1	4A	20	GLU	N-CA-C	-18.15	90.68	113.55
1	4M	20	GLU	N-CA-C	-18.15	90.68	113.55
1	4U	20	GLU	N-CA-C	-18.15	90.68	113.55
1	5Q	20	GLU	N-CA-C	-18.15	90.68	113.55
1	6I	20	GLU	N-CA-C	-18.15	90.68	113.55
1	6Q	20	GLU	N-CA-C	-18.15	90.68	113.55
1	7M	20	GLU	N-CA-C	-18.15	90.68	113.55
1	12	20	GLU	N-CA-C	-18.15	90.68	113.55
1	16	20	GLU	N-CA-C	-18.15	90.68	113.55
1	2A	20	GLU	N-CA-C	-18.15	90.68	113.55
1	3Q	20	GLU	N-CA-C	-18.15	90.68	113.55
1	3U	20	GLU	N-CA-C	-18.15	90.68	113.55
1	3Y	20	GLU	N-CA-C	-18.15	90.68	113.55
1	5E	20	GLU	N-CA-C	-18.15	90.68	113.55
1	5I	20	GLU	N-CA-C	-18.15	90.68	113.55
1	5M	20	GLU	N-CA-C	-18.15	90.68	113.55
1	62	20	GLU	N-CA-C	-18.15	90.68	113.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	20	GLU	N-CA-C	-18.15	90.68	113.55
1	7A	20	GLU	N-CA-C	-18.15	90.68	113.55
1	12	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	16	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	2A	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	3Q	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	3U	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	3Y	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	5E	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	5I	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	5M	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	62	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	66	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	7A	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	1M	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	2I	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	3A	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	3I	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	32	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	4E	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	4Y	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	5U	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	6M	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	6U	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	7E	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	7Q	84	ARG	NH1-CZ-NH2	-18.14	95.71	119.30
1	1A	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	1I	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	1Q	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	1U	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	1Y	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	2E	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	2Q	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	2U	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	2Y	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	26	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	3E	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	4A	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	4M	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	4U	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	42	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	46	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	5Q	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	52	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	56	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	6A	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	6I	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	6Q	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	7M	84	ARG	NH1-CZ-NH2	-18.14	95.72	119.30
1	1E	84	ARG	NH1-CZ-NH2	-18.13	95.73	119.30
1	2M	84	ARG	NH1-CZ-NH2	-18.13	95.73	119.30
1	22	84	ARG	NH1-CZ-NH2	-18.13	95.73	119.30
1	3M	84	ARG	NH1-CZ-NH2	-18.13	95.73	119.30
1	36	84	ARG	NH1-CZ-NH2	-18.13	95.73	119.30
1	4I	84	ARG	NH1-CZ-NH2	-18.13	95.73	119.30
1	4Q	84	ARG	NH1-CZ-NH2	-18.13	95.73	119.30
1	5Y	84	ARG	NH1-CZ-NH2	-18.13	95.73	119.30
1	6E	84	ARG	NH1-CZ-NH2	-18.13	95.73	119.30
1	6Y	84	ARG	NH1-CZ-NH2	-18.13	95.73	119.30
1	7I	84	ARG	NH1-CZ-NH2	-18.13	95.73	119.30
1	7U	84	ARG	NH1-CZ-NH2	-18.13	95.73	119.30
2	1N	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	1R	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	1V	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	1Z	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	2J	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	2R	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	2V	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	2Z	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	3B	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	3J	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	33	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	4F	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	4Z	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	43	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	47	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	5B	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	5V	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	53	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	57	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	6B	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	6N	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	6V	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	7R	107	PHE	CZ-CE2-CD2	-18.13	87.37	120.00
2	1N	32	SER	CA-C-O	18.12	131.07	119.29
2	2J	32	SER	CA-C-O	18.12	131.07	119.29
2	3B	32	SER	CA-C-O	18.12	131.07	119.29
2	3J	32	SER	CA-C-O	18.12	131.07	119.29
2	33	32	SER	CA-C-O	18.12	131.07	119.29
2	4F	32	SER	CA-C-O	18.12	131.07	119.29
2	4Z	32	SER	CA-C-O	18.12	131.07	119.29
2	5V	32	SER	CA-C-O	18.12	131.07	119.29
2	6N	32	SER	CA-C-O	18.12	131.07	119.29
2	6V	32	SER	CA-C-O	18.12	131.07	119.29
2	7F	32	SER	CA-C-O	18.12	131.07	119.29
2	7R	32	SER	CA-C-O	18.12	131.07	119.29
2	1F	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	13	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	17	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	2B	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	2N	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	23	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	3N	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	3R	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	3V	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	3Z	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	37	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	4J	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	4R	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	5F	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	5J	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	5N	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	5Z	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	6F	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	6Z	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	63	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	67	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	7B	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	7J	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	7V	107	PHE	CZ-CE2-CD2	-18.12	87.39	120.00
2	1B	107	PHE	CZ-CE2-CD2	-18.11	87.39	120.00
2	1J	107	PHE	CZ-CE2-CD2	-18.11	87.39	120.00
2	2F	107	PHE	CZ-CE2-CD2	-18.11	87.39	120.00
2	27	107	PHE	CZ-CE2-CD2	-18.11	87.39	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	107	PHE	CZ-CE2-CD2	-18.11	87.39	120.00
2	4B	107	PHE	CZ-CE2-CD2	-18.11	87.39	120.00
2	4N	107	PHE	CZ-CE2-CD2	-18.11	87.39	120.00
2	4V	107	PHE	CZ-CE2-CD2	-18.11	87.39	120.00
2	5R	107	PHE	CZ-CE2-CD2	-18.11	87.39	120.00
2	6J	107	PHE	CZ-CE2-CD2	-18.11	87.39	120.00
2	6R	107	PHE	CZ-CE2-CD2	-18.11	87.39	120.00
2	7N	107	PHE	CZ-CE2-CD2	-18.11	87.39	120.00
2	13	32	SER	CA-C-O	18.10	131.05	119.29
2	17	32	SER	CA-C-O	18.10	131.05	119.29
2	2B	32	SER	CA-C-O	18.10	131.05	119.29
2	3R	32	SER	CA-C-O	18.10	131.05	119.29
2	3V	32	SER	CA-C-O	18.10	131.05	119.29
2	3Z	32	SER	CA-C-O	18.10	131.05	119.29
2	5F	32	SER	CA-C-O	18.10	131.05	119.29
2	5J	32	SER	CA-C-O	18.10	131.05	119.29
2	5N	32	SER	CA-C-O	18.10	131.05	119.29
2	63	32	SER	CA-C-O	18.10	131.05	119.29
2	67	32	SER	CA-C-O	18.10	131.05	119.29
2	7B	32	SER	CA-C-O	18.10	131.05	119.29
2	1F	32	SER	CA-C-O	18.09	131.05	119.29
2	2N	32	SER	CA-C-O	18.09	131.05	119.29
2	23	32	SER	CA-C-O	18.09	131.05	119.29
2	3N	32	SER	CA-C-O	18.09	131.05	119.29
2	37	32	SER	CA-C-O	18.09	131.05	119.29
2	4J	32	SER	CA-C-O	18.09	131.05	119.29
2	4R	32	SER	CA-C-O	18.09	131.05	119.29
2	5Z	32	SER	CA-C-O	18.09	131.05	119.29
2	6F	32	SER	CA-C-O	18.09	131.05	119.29
2	6Z	32	SER	CA-C-O	18.09	131.05	119.29
2	7J	32	SER	CA-C-O	18.09	131.05	119.29
2	7V	32	SER	CA-C-O	18.09	131.05	119.29
2	1B	32	SER	CA-C-O	18.05	131.02	119.29
2	1J	32	SER	CA-C-O	18.05	131.02	119.29
2	2F	32	SER	CA-C-O	18.05	131.02	119.29
2	27	32	SER	CA-C-O	18.05	131.02	119.29
2	3F	32	SER	CA-C-O	18.05	131.02	119.29
2	4B	32	SER	CA-C-O	18.05	131.02	119.29
2	4N	32	SER	CA-C-O	18.05	131.02	119.29
2	4V	32	SER	CA-C-O	18.05	131.02	119.29
2	5R	32	SER	CA-C-O	18.05	131.02	119.29
2	6J	32	SER	CA-C-O	18.05	131.02	119.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	32	SER	CA-C-O	18.05	131.02	119.29
2	7N	32	SER	CA-C-O	18.05	131.02	119.29
1	1Q	149	THR	O-C-N	-18.02	99.73	123.15
1	1U	149	THR	O-C-N	-18.02	99.73	123.15
1	1Y	149	THR	O-C-N	-18.02	99.73	123.15
1	2Q	149	THR	O-C-N	-18.02	99.73	123.15
1	2U	149	THR	O-C-N	-18.02	99.73	123.15
1	2Y	149	THR	O-C-N	-18.02	99.73	123.15
1	42	149	THR	O-C-N	-18.02	99.73	123.15
1	46	149	THR	O-C-N	-18.02	99.73	123.15
1	5A	149	THR	O-C-N	-18.02	99.73	123.15
1	52	149	THR	O-C-N	-18.02	99.73	123.15
1	56	149	THR	O-C-N	-18.02	99.73	123.15
1	6A	149	THR	O-C-N	-18.02	99.73	123.15
2	1N	21	THR	N-CA-C	-18.01	82.97	110.17
2	2J	21	THR	N-CA-C	-18.01	82.97	110.17
2	3B	21	THR	N-CA-C	-18.01	82.97	110.17
2	3J	21	THR	N-CA-C	-18.01	82.97	110.17
2	33	21	THR	N-CA-C	-18.01	82.97	110.17
2	4F	21	THR	N-CA-C	-18.01	82.97	110.17
2	4Z	21	THR	N-CA-C	-18.01	82.97	110.17
2	5V	21	THR	N-CA-C	-18.01	82.97	110.17
2	6N	21	THR	N-CA-C	-18.01	82.97	110.17
2	6V	21	THR	N-CA-C	-18.01	82.97	110.17
2	7F	21	THR	N-CA-C	-18.01	82.97	110.17
2	7R	21	THR	N-CA-C	-18.01	82.97	110.17
1	1M	149	THR	O-C-N	-18.01	99.74	123.15
2	1R	32	SER	CA-C-O	18.01	131.00	119.29
2	1V	32	SER	CA-C-O	18.01	131.00	119.29
2	1Z	32	SER	CA-C-O	18.01	131.00	119.29
1	12	149	THR	O-C-N	-18.01	99.74	123.15
1	16	149	THR	O-C-N	-18.01	99.74	123.15
1	2A	149	THR	O-C-N	-18.01	99.74	123.15
1	2I	149	THR	O-C-N	-18.01	99.74	123.15
2	2R	32	SER	CA-C-O	18.01	131.00	119.29
2	2V	32	SER	CA-C-O	18.01	131.00	119.29
2	2Z	32	SER	CA-C-O	18.01	131.00	119.29
1	3A	149	THR	O-C-N	-18.01	99.74	123.15
1	3I	149	THR	O-C-N	-18.01	99.74	123.15
1	3Q	149	THR	O-C-N	-18.01	99.74	123.15
1	3U	149	THR	O-C-N	-18.01	99.74	123.15
1	3Y	149	THR	O-C-N	-18.01	99.74	123.15

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	149	THR	O-C-N	-18.01	99.74	123.15
1	4E	149	THR	O-C-N	-18.01	99.74	123.15
1	4Y	149	THR	O-C-N	-18.01	99.74	123.15
2	43	32	SER	CA-C-O	18.01	131.00	119.29
2	47	32	SER	CA-C-O	18.01	131.00	119.29
2	5B	32	SER	CA-C-O	18.01	131.00	119.29
1	5E	149	THR	O-C-N	-18.01	99.74	123.15
1	5I	149	THR	O-C-N	-18.01	99.74	123.15
1	5M	149	THR	O-C-N	-18.01	99.74	123.15
1	5U	149	THR	O-C-N	-18.01	99.74	123.15
2	53	32	SER	CA-C-O	18.01	131.00	119.29
2	57	32	SER	CA-C-O	18.01	131.00	119.29
2	6B	32	SER	CA-C-O	18.01	131.00	119.29
1	6M	149	THR	O-C-N	-18.01	99.74	123.15
1	6U	149	THR	O-C-N	-18.01	99.74	123.15
1	62	149	THR	O-C-N	-18.01	99.74	123.15
1	66	149	THR	O-C-N	-18.01	99.74	123.15
1	7A	149	THR	O-C-N	-18.01	99.74	123.15
1	7E	149	THR	O-C-N	-18.01	99.74	123.15
1	7Q	149	THR	O-C-N	-18.01	99.74	123.15
2	1B	21	THR	N-CA-C	-18.00	82.98	110.17
2	1J	21	THR	N-CA-C	-18.00	82.98	110.17
2	2F	21	THR	N-CA-C	-18.00	82.98	110.17
2	27	21	THR	N-CA-C	-18.00	82.98	110.17
2	3F	21	THR	N-CA-C	-18.00	82.98	110.17
2	4B	21	THR	N-CA-C	-18.00	82.98	110.17
2	4N	21	THR	N-CA-C	-18.00	82.98	110.17
2	4V	21	THR	N-CA-C	-18.00	82.98	110.17
2	5R	21	THR	N-CA-C	-18.00	82.98	110.17
2	6J	21	THR	N-CA-C	-18.00	82.98	110.17
2	6R	21	THR	N-CA-C	-18.00	82.98	110.17
2	7N	21	THR	N-CA-C	-18.00	82.98	110.17
1	1A	149	THR	O-C-N	-18.00	99.75	123.15
2	1F	21	THR	N-CA-C	-18.00	82.99	110.17
1	1I	149	THR	O-C-N	-18.00	99.75	123.15
1	2E	149	THR	O-C-N	-18.00	99.75	123.15
2	2N	21	THR	N-CA-C	-18.00	82.99	110.17
2	23	21	THR	N-CA-C	-18.00	82.99	110.17
1	26	149	THR	O-C-N	-18.00	99.75	123.15
1	3E	149	THR	O-C-N	-18.00	99.75	123.15
2	3N	21	THR	N-CA-C	-18.00	82.99	110.17
2	37	21	THR	N-CA-C	-18.00	82.99	110.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	149	THR	O-C-N	-18.00	99.75	123.15
2	4J	21	THR	N-CA-C	-18.00	82.99	110.17
1	4M	149	THR	O-C-N	-18.00	99.75	123.15
2	4R	21	THR	N-CA-C	-18.00	82.99	110.17
1	4U	149	THR	O-C-N	-18.00	99.75	123.15
1	5Q	149	THR	O-C-N	-18.00	99.75	123.15
2	5Z	21	THR	N-CA-C	-18.00	82.99	110.17
2	6F	21	THR	N-CA-C	-18.00	82.99	110.17
1	6I	149	THR	O-C-N	-18.00	99.75	123.15
1	6Q	149	THR	O-C-N	-18.00	99.75	123.15
2	6Z	21	THR	N-CA-C	-18.00	82.99	110.17
2	7J	21	THR	N-CA-C	-18.00	82.99	110.17
1	7M	149	THR	O-C-N	-18.00	99.75	123.15
2	7V	21	THR	N-CA-C	-18.00	82.99	110.17
1	1E	149	THR	O-C-N	-18.00	99.75	123.15
1	2M	149	THR	O-C-N	-18.00	99.75	123.15
1	22	149	THR	O-C-N	-18.00	99.75	123.15
1	3M	149	THR	O-C-N	-18.00	99.75	123.15
1	36	149	THR	O-C-N	-18.00	99.75	123.15
1	4I	149	THR	O-C-N	-18.00	99.75	123.15
1	4Q	149	THR	O-C-N	-18.00	99.75	123.15
1	5Y	149	THR	O-C-N	-18.00	99.75	123.15
1	6E	149	THR	O-C-N	-18.00	99.75	123.15
1	6Y	149	THR	O-C-N	-18.00	99.75	123.15
1	7I	149	THR	O-C-N	-18.00	99.75	123.15
1	7U	149	THR	O-C-N	-18.00	99.75	123.15
2	1R	21	THR	N-CA-C	-17.99	83.00	110.17
2	1V	21	THR	N-CA-C	-17.99	83.00	110.17
2	1Z	21	THR	N-CA-C	-17.99	83.00	110.17
2	2R	21	THR	N-CA-C	-17.99	83.00	110.17
2	2V	21	THR	N-CA-C	-17.99	83.00	110.17
2	2Z	21	THR	N-CA-C	-17.99	83.00	110.17
2	43	21	THR	N-CA-C	-17.99	83.00	110.17
2	47	21	THR	N-CA-C	-17.99	83.00	110.17
2	5B	21	THR	N-CA-C	-17.99	83.00	110.17
2	53	21	THR	N-CA-C	-17.99	83.00	110.17
2	57	21	THR	N-CA-C	-17.99	83.00	110.17
2	6B	21	THR	N-CA-C	-17.99	83.00	110.17
2	13	21	THR	N-CA-C	-17.99	83.01	110.17
2	17	21	THR	N-CA-C	-17.99	83.01	110.17
2	2B	21	THR	N-CA-C	-17.99	83.01	110.17
2	3R	21	THR	N-CA-C	-17.99	83.01	110.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	21	THR	N-CA-C	-17.99	83.01	110.17
2	3Z	21	THR	N-CA-C	-17.99	83.01	110.17
2	5F	21	THR	N-CA-C	-17.99	83.01	110.17
2	5J	21	THR	N-CA-C	-17.99	83.01	110.17
2	5N	21	THR	N-CA-C	-17.99	83.01	110.17
2	63	21	THR	N-CA-C	-17.99	83.01	110.17
2	67	21	THR	N-CA-C	-17.99	83.01	110.17
2	7B	21	THR	N-CA-C	-17.99	83.01	110.17
1	1Q	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	1U	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	1Y	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	12	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	16	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	2A	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	2Q	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	2U	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	2Y	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	3Q	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	3U	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	3Y	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	42	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	46	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	5A	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	5E	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	5I	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	5M	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	52	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	56	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	6A	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	62	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	66	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	7A	90	PHE	CD1-CG-CD2	17.92	145.48	118.60
1	1A	90	PHE	CD1-CG-CD2	17.90	145.45	118.60
1	1I	90	PHE	CD1-CG-CD2	17.90	145.45	118.60
1	2E	90	PHE	CD1-CG-CD2	17.90	145.45	118.60
1	26	90	PHE	CD1-CG-CD2	17.90	145.45	118.60
1	3E	90	PHE	CD1-CG-CD2	17.90	145.45	118.60
1	4A	90	PHE	CD1-CG-CD2	17.90	145.45	118.60
1	4M	90	PHE	CD1-CG-CD2	17.90	145.45	118.60
1	4U	90	PHE	CD1-CG-CD2	17.90	145.45	118.60
1	5Q	90	PHE	CD1-CG-CD2	17.90	145.45	118.60
1	6I	90	PHE	CD1-CG-CD2	17.90	145.45	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	90	PHE	CD1-CG-CD2	17.90	145.45	118.60
1	7M	90	PHE	CD1-CG-CD2	17.90	145.45	118.60
2	1N	107	PHE	CB-CG-CD2	-17.87	90.32	120.70
2	2J	107	PHE	CB-CG-CD2	-17.87	90.32	120.70
2	3B	107	PHE	CB-CG-CD2	-17.87	90.32	120.70
2	3J	107	PHE	CB-CG-CD2	-17.87	90.32	120.70
2	33	107	PHE	CB-CG-CD2	-17.87	90.32	120.70
2	4F	107	PHE	CB-CG-CD2	-17.87	90.32	120.70
2	4Z	107	PHE	CB-CG-CD2	-17.87	90.32	120.70
2	5V	107	PHE	CB-CG-CD2	-17.87	90.32	120.70
2	6N	107	PHE	CB-CG-CD2	-17.87	90.32	120.70
2	6V	107	PHE	CB-CG-CD2	-17.87	90.32	120.70
2	7F	107	PHE	CB-CG-CD2	-17.87	90.32	120.70
2	7R	107	PHE	CB-CG-CD2	-17.87	90.32	120.70
1	1M	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	2I	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	3A	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	3I	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	32	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	4E	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	4Y	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	5U	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	6M	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	6U	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	7E	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	7Q	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	1E	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	2M	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	22	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	3M	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	36	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	4I	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	4Q	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	5Y	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	6E	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	6Y	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	7I	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
1	7U	90	PHE	CD1-CG-CD2	17.87	145.40	118.60
2	1B	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	1J	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	2F	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	27	107	PHE	CB-CG-CD2	-17.85	90.35	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	4B	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	4N	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	4V	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	5R	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	6J	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	6R	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	7N	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	1R	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	1V	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	1Z	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
1	12	84	ARG	CA-CB-CG	17.85	149.80	114.10
1	16	84	ARG	CA-CB-CG	17.85	149.80	114.10
1	2A	84	ARG	CA-CB-CG	17.85	149.80	114.10
2	2R	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	2V	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	2Z	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
1	3Q	84	ARG	CA-CB-CG	17.85	149.80	114.10
1	3U	84	ARG	CA-CB-CG	17.85	149.80	114.10
1	3Y	84	ARG	CA-CB-CG	17.85	149.80	114.10
2	43	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	47	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	5B	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
1	5E	84	ARG	CA-CB-CG	17.85	149.80	114.10
1	5I	84	ARG	CA-CB-CG	17.85	149.80	114.10
1	5M	84	ARG	CA-CB-CG	17.85	149.80	114.10
2	53	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	57	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
2	6B	107	PHE	CB-CG-CD2	-17.85	90.35	120.70
1	62	84	ARG	CA-CB-CG	17.85	149.80	114.10
1	66	84	ARG	CA-CB-CG	17.85	149.80	114.10
1	7A	84	ARG	CA-CB-CG	17.85	149.80	114.10
1	1M	84	ARG	CA-CB-CG	17.84	149.79	114.10
1	2I	84	ARG	CA-CB-CG	17.84	149.79	114.10
1	3A	84	ARG	CA-CB-CG	17.84	149.79	114.10
1	3I	84	ARG	CA-CB-CG	17.84	149.79	114.10
1	32	84	ARG	CA-CB-CG	17.84	149.79	114.10
1	4E	84	ARG	CA-CB-CG	17.84	149.79	114.10
1	4Y	84	ARG	CA-CB-CG	17.84	149.79	114.10
1	5U	84	ARG	CA-CB-CG	17.84	149.79	114.10
1	6M	84	ARG	CA-CB-CG	17.84	149.79	114.10
1	6U	84	ARG	CA-CB-CG	17.84	149.79	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	84	ARG	CA-CB-CG	17.84	149.79	114.10
1	7Q	84	ARG	CA-CB-CG	17.84	149.79	114.10
1	1A	84	ARG	CA-CB-CG	17.84	149.78	114.10
2	1F	217	PRO	N-CA-C	17.84	136.16	113.86
1	1I	84	ARG	CA-CB-CG	17.84	149.78	114.10
1	2E	84	ARG	CA-CB-CG	17.84	149.78	114.10
2	2N	217	PRO	N-CA-C	17.84	136.16	113.86
2	23	217	PRO	N-CA-C	17.84	136.16	113.86
1	26	84	ARG	CA-CB-CG	17.84	149.78	114.10
1	3E	84	ARG	CA-CB-CG	17.84	149.78	114.10
2	3N	217	PRO	N-CA-C	17.84	136.16	113.86
2	37	217	PRO	N-CA-C	17.84	136.16	113.86
1	4A	84	ARG	CA-CB-CG	17.84	149.78	114.10
2	4J	217	PRO	N-CA-C	17.84	136.16	113.86
1	4M	84	ARG	CA-CB-CG	17.84	149.78	114.10
2	4R	217	PRO	N-CA-C	17.84	136.16	113.86
1	4U	84	ARG	CA-CB-CG	17.84	149.78	114.10
1	5Q	84	ARG	CA-CB-CG	17.84	149.78	114.10
2	5Z	217	PRO	N-CA-C	17.84	136.16	113.86
2	6F	217	PRO	N-CA-C	17.84	136.16	113.86
1	6I	84	ARG	CA-CB-CG	17.84	149.78	114.10
1	6Q	84	ARG	CA-CB-CG	17.84	149.78	114.10
2	6Z	217	PRO	N-CA-C	17.84	136.16	113.86
2	7J	217	PRO	N-CA-C	17.84	136.16	113.86
1	7M	84	ARG	CA-CB-CG	17.84	149.78	114.10
2	7V	217	PRO	N-CA-C	17.84	136.16	113.86
2	1F	107	PHE	CB-CG-CD2	-17.84	90.38	120.70
2	1N	217	PRO	N-CA-C	17.84	136.16	113.86
2	2J	217	PRO	N-CA-C	17.84	136.16	113.86
2	2N	107	PHE	CB-CG-CD2	-17.84	90.38	120.70
2	23	107	PHE	CB-CG-CD2	-17.84	90.38	120.70
2	3B	217	PRO	N-CA-C	17.84	136.16	113.86
2	3J	217	PRO	N-CA-C	17.84	136.16	113.86
2	3N	107	PHE	CB-CG-CD2	-17.84	90.38	120.70
2	33	217	PRO	N-CA-C	17.84	136.16	113.86
2	37	107	PHE	CB-CG-CD2	-17.84	90.38	120.70
2	4F	217	PRO	N-CA-C	17.84	136.16	113.86
2	4J	107	PHE	CB-CG-CD2	-17.84	90.38	120.70
2	4R	107	PHE	CB-CG-CD2	-17.84	90.38	120.70
2	4Z	217	PRO	N-CA-C	17.84	136.16	113.86
2	5V	217	PRO	N-CA-C	17.84	136.16	113.86
2	5Z	107	PHE	CB-CG-CD2	-17.84	90.38	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	107	PHE	CB-CG-CD2	-17.84	90.38	120.70
2	6N	217	PRO	N-CA-C	17.84	136.16	113.86
2	6V	217	PRO	N-CA-C	17.84	136.16	113.86
2	6Z	107	PHE	CB-CG-CD2	-17.84	90.38	120.70
2	7F	217	PRO	N-CA-C	17.84	136.16	113.86
2	7J	107	PHE	CB-CG-CD2	-17.84	90.38	120.70
2	7R	217	PRO	N-CA-C	17.84	136.16	113.86
2	7V	107	PHE	CB-CG-CD2	-17.84	90.38	120.70
1	1E	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	1Q	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	1U	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	1Y	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	2M	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	2Q	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	2U	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	2Y	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	22	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	3M	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	36	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	4I	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	4Q	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	42	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	46	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	5A	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	5Y	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	52	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	56	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	6A	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	6E	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	6Y	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	7I	84	ARG	CA-CB-CG	17.83	149.76	114.10
1	7U	84	ARG	CA-CB-CG	17.83	149.76	114.10
2	1B	217	PRO	N-CA-C	17.83	136.14	113.86
2	1J	217	PRO	N-CA-C	17.83	136.14	113.86
2	13	217	PRO	N-CA-C	17.83	136.15	113.86
2	17	217	PRO	N-CA-C	17.83	136.15	113.86
2	2B	217	PRO	N-CA-C	17.83	136.15	113.86
2	2F	217	PRO	N-CA-C	17.83	136.14	113.86
2	27	217	PRO	N-CA-C	17.83	136.14	113.86
2	3F	217	PRO	N-CA-C	17.83	136.14	113.86
2	3R	217	PRO	N-CA-C	17.83	136.15	113.86
2	3V	217	PRO	N-CA-C	17.83	136.15	113.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3Z	217	PRO	N-CA-C	17.83	136.15	113.86
2	4B	217	PRO	N-CA-C	17.83	136.14	113.86
2	4N	217	PRO	N-CA-C	17.83	136.14	113.86
2	4V	217	PRO	N-CA-C	17.83	136.14	113.86
2	5F	217	PRO	N-CA-C	17.83	136.15	113.86
2	5J	217	PRO	N-CA-C	17.83	136.15	113.86
2	5N	217	PRO	N-CA-C	17.83	136.15	113.86
2	5R	217	PRO	N-CA-C	17.83	136.14	113.86
2	6J	217	PRO	N-CA-C	17.83	136.14	113.86
2	6R	217	PRO	N-CA-C	17.83	136.14	113.86
2	63	217	PRO	N-CA-C	17.83	136.15	113.86
2	67	217	PRO	N-CA-C	17.83	136.15	113.86
2	7B	217	PRO	N-CA-C	17.83	136.15	113.86
2	7N	217	PRO	N-CA-C	17.83	136.14	113.86
2	13	107	PHE	CB-CG-CD2	-17.82	90.41	120.70
2	17	107	PHE	CB-CG-CD2	-17.82	90.41	120.70
2	2B	107	PHE	CB-CG-CD2	-17.82	90.41	120.70
2	3R	107	PHE	CB-CG-CD2	-17.82	90.41	120.70
2	3V	107	PHE	CB-CG-CD2	-17.82	90.41	120.70
2	3Z	107	PHE	CB-CG-CD2	-17.82	90.41	120.70
2	5F	107	PHE	CB-CG-CD2	-17.82	90.41	120.70
2	5J	107	PHE	CB-CG-CD2	-17.82	90.41	120.70
2	5N	107	PHE	CB-CG-CD2	-17.82	90.41	120.70
2	63	107	PHE	CB-CG-CD2	-17.82	90.41	120.70
2	67	107	PHE	CB-CG-CD2	-17.82	90.41	120.70
2	7B	107	PHE	CB-CG-CD2	-17.82	90.41	120.70
2	1R	217	PRO	N-CA-C	17.81	136.12	113.86
2	1V	217	PRO	N-CA-C	17.81	136.12	113.86
2	1Z	217	PRO	N-CA-C	17.81	136.12	113.86
2	2R	217	PRO	N-CA-C	17.81	136.12	113.86
2	2V	217	PRO	N-CA-C	17.81	136.12	113.86
2	2Z	217	PRO	N-CA-C	17.81	136.12	113.86
2	43	217	PRO	N-CA-C	17.81	136.12	113.86
2	47	217	PRO	N-CA-C	17.81	136.12	113.86
2	5B	217	PRO	N-CA-C	17.81	136.12	113.86
2	53	217	PRO	N-CA-C	17.81	136.12	113.86
2	57	217	PRO	N-CA-C	17.81	136.12	113.86
2	6B	217	PRO	N-CA-C	17.81	136.12	113.86
1	1Q	147	ARG	N-CA-C	-17.78	82.06	109.79
1	1U	147	ARG	N-CA-C	-17.78	82.06	109.79
1	1Y	147	ARG	N-CA-C	-17.78	82.06	109.79
1	2Q	147	ARG	N-CA-C	-17.78	82.06	109.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	147	ARG	N-CA-C	-17.78	82.06	109.79
1	2Y	147	ARG	N-CA-C	-17.78	82.06	109.79
1	42	147	ARG	N-CA-C	-17.78	82.06	109.79
1	46	147	ARG	N-CA-C	-17.78	82.06	109.79
1	5A	147	ARG	N-CA-C	-17.78	82.06	109.79
1	52	147	ARG	N-CA-C	-17.78	82.06	109.79
1	56	147	ARG	N-CA-C	-17.78	82.06	109.79
1	6A	147	ARG	N-CA-C	-17.78	82.06	109.79
1	1E	147	ARG	N-CA-C	-17.78	82.06	109.79
1	2M	147	ARG	N-CA-C	-17.78	82.06	109.79
1	22	147	ARG	N-CA-C	-17.78	82.06	109.79
1	3M	147	ARG	N-CA-C	-17.78	82.06	109.79
1	36	147	ARG	N-CA-C	-17.78	82.06	109.79
1	4I	147	ARG	N-CA-C	-17.78	82.06	109.79
1	4Q	147	ARG	N-CA-C	-17.78	82.06	109.79
1	5Y	147	ARG	N-CA-C	-17.78	82.06	109.79
1	6E	147	ARG	N-CA-C	-17.78	82.06	109.79
1	6Y	147	ARG	N-CA-C	-17.78	82.06	109.79
1	7I	147	ARG	N-CA-C	-17.78	82.06	109.79
1	7U	147	ARG	N-CA-C	-17.78	82.06	109.79
1	12	147	ARG	N-CA-C	-17.77	82.06	109.79
1	16	147	ARG	N-CA-C	-17.77	82.06	109.79
1	2A	147	ARG	N-CA-C	-17.77	82.06	109.79
1	3Q	147	ARG	N-CA-C	-17.77	82.06	109.79
1	3U	147	ARG	N-CA-C	-17.77	82.06	109.79
1	3Y	147	ARG	N-CA-C	-17.77	82.06	109.79
1	5E	147	ARG	N-CA-C	-17.77	82.06	109.79
1	5I	147	ARG	N-CA-C	-17.77	82.06	109.79
1	5M	147	ARG	N-CA-C	-17.77	82.06	109.79
1	62	147	ARG	N-CA-C	-17.77	82.06	109.79
1	66	147	ARG	N-CA-C	-17.77	82.06	109.79
1	7A	147	ARG	N-CA-C	-17.77	82.06	109.79
1	1A	147	ARG	N-CA-C	-17.77	82.07	109.79
1	1I	147	ARG	N-CA-C	-17.77	82.07	109.79
1	2E	147	ARG	N-CA-C	-17.77	82.07	109.79
1	26	147	ARG	N-CA-C	-17.77	82.07	109.79
1	3E	147	ARG	N-CA-C	-17.77	82.07	109.79
1	4A	147	ARG	N-CA-C	-17.77	82.07	109.79
1	4M	147	ARG	N-CA-C	-17.77	82.07	109.79
1	4U	147	ARG	N-CA-C	-17.77	82.07	109.79
1	5Q	147	ARG	N-CA-C	-17.77	82.07	109.79
1	6I	147	ARG	N-CA-C	-17.77	82.07	109.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	147	ARG	N-CA-C	-17.77	82.07	109.79
1	7M	147	ARG	N-CA-C	-17.77	82.07	109.79
1	1Q	9	PHE	CD1-CG-CD2	17.77	145.25	118.60
1	1U	9	PHE	CD1-CG-CD2	17.77	145.25	118.60
1	1Y	9	PHE	CD1-CG-CD2	17.77	145.25	118.60
1	2Q	9	PHE	CD1-CG-CD2	17.77	145.25	118.60
1	2U	9	PHE	CD1-CG-CD2	17.77	145.25	118.60
1	2Y	9	PHE	CD1-CG-CD2	17.77	145.25	118.60
1	42	9	PHE	CD1-CG-CD2	17.77	145.25	118.60
1	46	9	PHE	CD1-CG-CD2	17.77	145.25	118.60
1	5A	9	PHE	CD1-CG-CD2	17.77	145.25	118.60
1	52	9	PHE	CD1-CG-CD2	17.77	145.25	118.60
1	56	9	PHE	CD1-CG-CD2	17.77	145.25	118.60
1	6A	9	PHE	CD1-CG-CD2	17.77	145.25	118.60
1	1E	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	12	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	16	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	2A	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	2M	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	22	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	3M	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	3Q	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	3U	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	3Y	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	36	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	4I	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	4Q	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	5E	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	5I	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	5M	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	5Y	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	6E	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	6Y	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	62	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	66	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	7A	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	7I	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	7U	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
2	1N	33	PRO	N-CA-CB	-17.76	84.60	103.25
2	2J	33	PRO	N-CA-CB	-17.76	84.60	103.25
2	3B	33	PRO	N-CA-CB	-17.76	84.60	103.25
2	3J	33	PRO	N-CA-CB	-17.76	84.60	103.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	33	PRO	N-CA-CB	-17.76	84.60	103.25
2	4F	33	PRO	N-CA-CB	-17.76	84.60	103.25
2	4Z	33	PRO	N-CA-CB	-17.76	84.60	103.25
2	5V	33	PRO	N-CA-CB	-17.76	84.60	103.25
2	6N	33	PRO	N-CA-CB	-17.76	84.60	103.25
2	6V	33	PRO	N-CA-CB	-17.76	84.60	103.25
2	7F	33	PRO	N-CA-CB	-17.76	84.60	103.25
2	7R	33	PRO	N-CA-CB	-17.76	84.60	103.25
1	1A	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	1I	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	2E	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	26	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	3E	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	4A	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	4M	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	4U	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	5Q	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	6I	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	6Q	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	7M	9	PHE	CD1-CG-CD2	17.76	145.24	118.60
1	1M	147	ARG	N-CA-C	-17.75	82.09	109.79
2	1R	33	PRO	N-CA-CB	-17.75	84.61	103.25
2	1V	33	PRO	N-CA-CB	-17.75	84.61	103.25
2	1Z	33	PRO	N-CA-CB	-17.75	84.61	103.25
1	2I	147	ARG	N-CA-C	-17.75	82.09	109.79
2	2R	33	PRO	N-CA-CB	-17.75	84.61	103.25
2	2V	33	PRO	N-CA-CB	-17.75	84.61	103.25
2	2Z	33	PRO	N-CA-CB	-17.75	84.61	103.25
1	3A	147	ARG	N-CA-C	-17.75	82.09	109.79
1	3I	147	ARG	N-CA-C	-17.75	82.09	109.79
1	32	147	ARG	N-CA-C	-17.75	82.09	109.79
1	4E	147	ARG	N-CA-C	-17.75	82.09	109.79
1	4Y	147	ARG	N-CA-C	-17.75	82.09	109.79
2	43	33	PRO	N-CA-CB	-17.75	84.61	103.25
2	47	33	PRO	N-CA-CB	-17.75	84.61	103.25
2	5B	33	PRO	N-CA-CB	-17.75	84.61	103.25
1	5U	147	ARG	N-CA-C	-17.75	82.09	109.79
2	53	33	PRO	N-CA-CB	-17.75	84.61	103.25
2	57	33	PRO	N-CA-CB	-17.75	84.61	103.25
2	6B	33	PRO	N-CA-CB	-17.75	84.61	103.25
1	6M	147	ARG	N-CA-C	-17.75	82.09	109.79
1	6U	147	ARG	N-CA-C	-17.75	82.09	109.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	147	ARG	N-CA-C	-17.75	82.09	109.79
1	7Q	147	ARG	N-CA-C	-17.75	82.09	109.79
2	1F	33	PRO	N-CA-CB	-17.74	84.62	103.25
2	2N	33	PRO	N-CA-CB	-17.74	84.62	103.25
2	23	33	PRO	N-CA-CB	-17.74	84.62	103.25
2	3N	33	PRO	N-CA-CB	-17.74	84.62	103.25
2	37	33	PRO	N-CA-CB	-17.74	84.62	103.25
2	4J	33	PRO	N-CA-CB	-17.74	84.62	103.25
2	4R	33	PRO	N-CA-CB	-17.74	84.62	103.25
2	5Z	33	PRO	N-CA-CB	-17.74	84.62	103.25
2	6F	33	PRO	N-CA-CB	-17.74	84.62	103.25
2	6Z	33	PRO	N-CA-CB	-17.74	84.62	103.25
2	7J	33	PRO	N-CA-CB	-17.74	84.62	103.25
2	7V	33	PRO	N-CA-CB	-17.74	84.62	103.25
1	1M	9	PHE	CD1-CG-CD2	17.74	145.21	118.60
1	2I	9	PHE	CD1-CG-CD2	17.74	145.21	118.60
1	3A	9	PHE	CD1-CG-CD2	17.74	145.21	118.60
1	3I	9	PHE	CD1-CG-CD2	17.74	145.21	118.60
1	32	9	PHE	CD1-CG-CD2	17.74	145.21	118.60
1	4E	9	PHE	CD1-CG-CD2	17.74	145.21	118.60
1	4Y	9	PHE	CD1-CG-CD2	17.74	145.21	118.60
1	5U	9	PHE	CD1-CG-CD2	17.74	145.21	118.60
1	6M	9	PHE	CD1-CG-CD2	17.74	145.21	118.60
1	6U	9	PHE	CD1-CG-CD2	17.74	145.21	118.60
1	7E	9	PHE	CD1-CG-CD2	17.74	145.21	118.60
1	7Q	9	PHE	CD1-CG-CD2	17.74	145.21	118.60
2	1B	33	PRO	N-CA-CB	-17.73	84.63	103.25
2	1J	33	PRO	N-CA-CB	-17.73	84.63	103.25
2	1N	22	GLN	OE1-CD-NE2	17.73	140.34	122.60
2	2F	33	PRO	N-CA-CB	-17.73	84.63	103.25
2	2J	22	GLN	OE1-CD-NE2	17.73	140.34	122.60
2	27	33	PRO	N-CA-CB	-17.73	84.63	103.25
2	3B	22	GLN	OE1-CD-NE2	17.73	140.34	122.60
2	3F	33	PRO	N-CA-CB	-17.73	84.63	103.25
2	3J	22	GLN	OE1-CD-NE2	17.73	140.34	122.60
2	33	22	GLN	OE1-CD-NE2	17.73	140.34	122.60
2	4B	33	PRO	N-CA-CB	-17.73	84.63	103.25
2	4F	22	GLN	OE1-CD-NE2	17.73	140.34	122.60
2	4N	33	PRO	N-CA-CB	-17.73	84.63	103.25
2	4V	33	PRO	N-CA-CB	-17.73	84.63	103.25
2	4Z	22	GLN	OE1-CD-NE2	17.73	140.34	122.60
2	5R	33	PRO	N-CA-CB	-17.73	84.63	103.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	22	GLN	OE1-CD-NE2	17.73	140.34	122.60
2	6J	33	PRO	N-CA-CB	-17.73	84.63	103.25
2	6N	22	GLN	OE1-CD-NE2	17.73	140.34	122.60
2	6R	33	PRO	N-CA-CB	-17.73	84.63	103.25
2	6V	22	GLN	OE1-CD-NE2	17.73	140.34	122.60
2	7F	22	GLN	OE1-CD-NE2	17.73	140.34	122.60
2	7N	33	PRO	N-CA-CB	-17.73	84.63	103.25
2	7R	22	GLN	OE1-CD-NE2	17.73	140.34	122.60
2	13	33	PRO	N-CA-CB	-17.72	84.64	103.25
2	17	33	PRO	N-CA-CB	-17.72	84.64	103.25
2	2B	33	PRO	N-CA-CB	-17.72	84.64	103.25
2	3R	33	PRO	N-CA-CB	-17.72	84.64	103.25
2	3V	33	PRO	N-CA-CB	-17.72	84.64	103.25
2	3Z	33	PRO	N-CA-CB	-17.72	84.64	103.25
2	5F	33	PRO	N-CA-CB	-17.72	84.64	103.25
2	5J	33	PRO	N-CA-CB	-17.72	84.64	103.25
2	5N	33	PRO	N-CA-CB	-17.72	84.64	103.25
2	63	33	PRO	N-CA-CB	-17.72	84.64	103.25
2	67	33	PRO	N-CA-CB	-17.72	84.64	103.25
2	7B	33	PRO	N-CA-CB	-17.72	84.64	103.25
2	1R	22	GLN	OE1-CD-NE2	17.72	140.32	122.60
2	1V	22	GLN	OE1-CD-NE2	17.72	140.32	122.60
2	1Z	22	GLN	OE1-CD-NE2	17.72	140.32	122.60
1	12	80	PHE	CA-C-O	-17.72	98.38	120.00
1	16	80	PHE	CA-C-O	-17.72	98.38	120.00
1	2A	80	PHE	CA-C-O	-17.72	98.38	120.00
2	2R	22	GLN	OE1-CD-NE2	17.72	140.32	122.60
2	2V	22	GLN	OE1-CD-NE2	17.72	140.32	122.60
2	2Z	22	GLN	OE1-CD-NE2	17.72	140.32	122.60
1	3Q	80	PHE	CA-C-O	-17.72	98.38	120.00
1	3U	80	PHE	CA-C-O	-17.72	98.38	120.00
1	3Y	80	PHE	CA-C-O	-17.72	98.38	120.00
2	43	22	GLN	OE1-CD-NE2	17.72	140.32	122.60
2	47	22	GLN	OE1-CD-NE2	17.72	140.32	122.60
2	5B	22	GLN	OE1-CD-NE2	17.72	140.32	122.60
1	5E	80	PHE	CA-C-O	-17.72	98.38	120.00
1	5I	80	PHE	CA-C-O	-17.72	98.38	120.00
1	5M	80	PHE	CA-C-O	-17.72	98.38	120.00
2	53	22	GLN	OE1-CD-NE2	17.72	140.32	122.60
2	57	22	GLN	OE1-CD-NE2	17.72	140.32	122.60
2	6B	22	GLN	OE1-CD-NE2	17.72	140.32	122.60
1	62	80	PHE	CA-C-O	-17.72	98.38	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	80	PHE	CA-C-O	-17.72	98.38	120.00
1	7A	80	PHE	CA-C-O	-17.72	98.38	120.00
1	1E	80	PHE	CA-C-O	-17.71	98.40	120.00
1	2M	80	PHE	CA-C-O	-17.71	98.40	120.00
1	22	80	PHE	CA-C-O	-17.71	98.40	120.00
1	3M	80	PHE	CA-C-O	-17.71	98.40	120.00
1	36	80	PHE	CA-C-O	-17.71	98.40	120.00
1	4I	80	PHE	CA-C-O	-17.71	98.40	120.00
1	4Q	80	PHE	CA-C-O	-17.71	98.40	120.00
1	5Y	80	PHE	CA-C-O	-17.71	98.40	120.00
1	6E	80	PHE	CA-C-O	-17.71	98.40	120.00
1	6Y	80	PHE	CA-C-O	-17.71	98.40	120.00
1	7I	80	PHE	CA-C-O	-17.71	98.40	120.00
1	7U	80	PHE	CA-C-O	-17.71	98.40	120.00
2	1F	22	GLN	OE1-CD-NE2	17.70	140.31	122.60
2	2N	22	GLN	OE1-CD-NE2	17.70	140.31	122.60
2	23	22	GLN	OE1-CD-NE2	17.70	140.31	122.60
2	3N	22	GLN	OE1-CD-NE2	17.70	140.31	122.60
2	37	22	GLN	OE1-CD-NE2	17.70	140.31	122.60
2	4J	22	GLN	OE1-CD-NE2	17.70	140.31	122.60
2	4R	22	GLN	OE1-CD-NE2	17.70	140.31	122.60
2	5Z	22	GLN	OE1-CD-NE2	17.70	140.31	122.60
2	6F	22	GLN	OE1-CD-NE2	17.70	140.31	122.60
2	6Z	22	GLN	OE1-CD-NE2	17.70	140.31	122.60
2	7J	22	GLN	OE1-CD-NE2	17.70	140.31	122.60
2	7V	22	GLN	OE1-CD-NE2	17.70	140.31	122.60
2	1B	22	GLN	OE1-CD-NE2	17.70	140.30	122.60
2	1J	22	GLN	OE1-CD-NE2	17.70	140.30	122.60
2	2F	22	GLN	OE1-CD-NE2	17.70	140.30	122.60
2	27	22	GLN	OE1-CD-NE2	17.70	140.30	122.60
2	3F	22	GLN	OE1-CD-NE2	17.70	140.30	122.60
2	4B	22	GLN	OE1-CD-NE2	17.70	140.30	122.60
2	4N	22	GLN	OE1-CD-NE2	17.70	140.30	122.60
2	4V	22	GLN	OE1-CD-NE2	17.70	140.30	122.60
2	5R	22	GLN	OE1-CD-NE2	17.70	140.30	122.60
2	6J	22	GLN	OE1-CD-NE2	17.70	140.30	122.60
2	6R	22	GLN	OE1-CD-NE2	17.70	140.30	122.60
2	7N	22	GLN	OE1-CD-NE2	17.70	140.30	122.60
1	1M	80	PHE	CA-C-O	-17.69	98.42	120.00
2	13	22	GLN	OE1-CD-NE2	17.69	140.29	122.60
2	17	22	GLN	OE1-CD-NE2	17.69	140.29	122.60
2	2B	22	GLN	OE1-CD-NE2	17.69	140.29	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	80	PHE	CA-C-O	-17.69	98.42	120.00
1	3A	80	PHE	CA-C-O	-17.69	98.42	120.00
1	3I	80	PHE	CA-C-O	-17.69	98.42	120.00
2	3R	22	GLN	OE1-CD-NE2	17.69	140.29	122.60
2	3V	22	GLN	OE1-CD-NE2	17.69	140.29	122.60
2	3Z	22	GLN	OE1-CD-NE2	17.69	140.29	122.60
1	32	80	PHE	CA-C-O	-17.69	98.42	120.00
1	4E	80	PHE	CA-C-O	-17.69	98.42	120.00
1	4Y	80	PHE	CA-C-O	-17.69	98.42	120.00
2	5F	22	GLN	OE1-CD-NE2	17.69	140.29	122.60
2	5J	22	GLN	OE1-CD-NE2	17.69	140.29	122.60
2	5N	22	GLN	OE1-CD-NE2	17.69	140.29	122.60
1	5U	80	PHE	CA-C-O	-17.69	98.42	120.00
1	6M	80	PHE	CA-C-O	-17.69	98.42	120.00
1	6U	80	PHE	CA-C-O	-17.69	98.42	120.00
2	63	22	GLN	OE1-CD-NE2	17.69	140.29	122.60
2	67	22	GLN	OE1-CD-NE2	17.69	140.29	122.60
2	7B	22	GLN	OE1-CD-NE2	17.69	140.29	122.60
1	7E	80	PHE	CA-C-O	-17.69	98.42	120.00
1	7Q	80	PHE	CA-C-O	-17.69	98.42	120.00
1	1Q	80	PHE	CA-C-O	-17.69	98.42	120.00
1	1U	80	PHE	CA-C-O	-17.69	98.42	120.00
1	1Y	80	PHE	CA-C-O	-17.69	98.42	120.00
1	2Q	80	PHE	CA-C-O	-17.69	98.42	120.00
1	2U	80	PHE	CA-C-O	-17.69	98.42	120.00
1	2Y	80	PHE	CA-C-O	-17.69	98.42	120.00
1	42	80	PHE	CA-C-O	-17.69	98.42	120.00
1	46	80	PHE	CA-C-O	-17.69	98.42	120.00
1	5A	80	PHE	CA-C-O	-17.69	98.42	120.00
1	52	80	PHE	CA-C-O	-17.69	98.42	120.00
1	56	80	PHE	CA-C-O	-17.69	98.42	120.00
1	6A	80	PHE	CA-C-O	-17.69	98.42	120.00
1	1A	80	PHE	CA-C-O	-17.68	98.42	120.00
2	1F	54	ASN	CA-C-N	-17.68	100.44	119.19
2	1F	54	ASN	C-N-CA	-17.68	100.44	119.19
1	1I	80	PHE	CA-C-O	-17.68	98.42	120.00
2	1R	54	ASN	CA-C-N	-17.68	100.44	119.19
2	1R	54	ASN	C-N-CA	-17.68	100.44	119.19
2	1V	54	ASN	CA-C-N	-17.68	100.44	119.19
2	1V	54	ASN	C-N-CA	-17.68	100.44	119.19
2	1Z	54	ASN	CA-C-N	-17.68	100.44	119.19
2	1Z	54	ASN	C-N-CA	-17.68	100.44	119.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2E	80	PHE	CA-C-O	-17.68	98.42	120.00
2	2N	54	ASN	CA-C-N	-17.68	100.44	119.19
2	2N	54	ASN	C-N-CA	-17.68	100.44	119.19
2	2R	54	ASN	CA-C-N	-17.68	100.44	119.19
2	2R	54	ASN	C-N-CA	-17.68	100.44	119.19
2	2V	54	ASN	CA-C-N	-17.68	100.44	119.19
2	2V	54	ASN	C-N-CA	-17.68	100.44	119.19
2	2Z	54	ASN	CA-C-N	-17.68	100.44	119.19
2	2Z	54	ASN	C-N-CA	-17.68	100.44	119.19
2	23	54	ASN	CA-C-N	-17.68	100.44	119.19
2	23	54	ASN	C-N-CA	-17.68	100.44	119.19
1	26	80	PHE	CA-C-O	-17.68	98.42	120.00
1	3E	80	PHE	CA-C-O	-17.68	98.42	120.00
2	3N	54	ASN	CA-C-N	-17.68	100.44	119.19
2	3N	54	ASN	C-N-CA	-17.68	100.44	119.19
2	37	54	ASN	CA-C-N	-17.68	100.44	119.19
2	37	54	ASN	C-N-CA	-17.68	100.44	119.19
1	4A	80	PHE	CA-C-O	-17.68	98.42	120.00
2	4J	54	ASN	CA-C-N	-17.68	100.44	119.19
2	4J	54	ASN	C-N-CA	-17.68	100.44	119.19
1	4M	80	PHE	CA-C-O	-17.68	98.42	120.00
2	4R	54	ASN	CA-C-N	-17.68	100.44	119.19
2	4R	54	ASN	C-N-CA	-17.68	100.44	119.19
1	4U	80	PHE	CA-C-O	-17.68	98.42	120.00
2	43	54	ASN	CA-C-N	-17.68	100.44	119.19
2	43	54	ASN	C-N-CA	-17.68	100.44	119.19
2	47	54	ASN	CA-C-N	-17.68	100.44	119.19
2	47	54	ASN	C-N-CA	-17.68	100.44	119.19
2	5B	54	ASN	CA-C-N	-17.68	100.44	119.19
2	5B	54	ASN	C-N-CA	-17.68	100.44	119.19
1	5Q	80	PHE	CA-C-O	-17.68	98.42	120.00
2	5Z	54	ASN	CA-C-N	-17.68	100.44	119.19
2	5Z	54	ASN	C-N-CA	-17.68	100.44	119.19
2	53	54	ASN	CA-C-N	-17.68	100.44	119.19
2	53	54	ASN	C-N-CA	-17.68	100.44	119.19
2	57	54	ASN	CA-C-N	-17.68	100.44	119.19
2	57	54	ASN	C-N-CA	-17.68	100.44	119.19
2	6B	54	ASN	CA-C-N	-17.68	100.44	119.19
2	6B	54	ASN	C-N-CA	-17.68	100.44	119.19
2	6F	54	ASN	CA-C-N	-17.68	100.44	119.19
2	6F	54	ASN	C-N-CA	-17.68	100.44	119.19
1	6I	80	PHE	CA-C-O	-17.68	98.42	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	80	PHE	CA-C-O	-17.68	98.42	120.00
2	6Z	54	ASN	CA-C-N	-17.68	100.44	119.19
2	6Z	54	ASN	C-N-CA	-17.68	100.44	119.19
2	7J	54	ASN	CA-C-N	-17.68	100.44	119.19
2	7J	54	ASN	C-N-CA	-17.68	100.44	119.19
1	7M	80	PHE	CA-C-O	-17.68	98.42	120.00
2	7V	54	ASN	CA-C-N	-17.68	100.44	119.19
2	7V	54	ASN	C-N-CA	-17.68	100.44	119.19
2	1B	54	ASN	CA-C-N	-17.67	100.46	119.19
2	1B	54	ASN	C-N-CA	-17.67	100.46	119.19
2	1J	54	ASN	CA-C-N	-17.67	100.46	119.19
2	1J	54	ASN	C-N-CA	-17.67	100.46	119.19
2	13	54	ASN	CA-C-N	-17.67	100.46	119.19
2	13	54	ASN	C-N-CA	-17.67	100.46	119.19
2	17	54	ASN	CA-C-N	-17.67	100.46	119.19
2	17	54	ASN	C-N-CA	-17.67	100.46	119.19
2	2B	54	ASN	CA-C-N	-17.67	100.46	119.19
2	2B	54	ASN	C-N-CA	-17.67	100.46	119.19
2	2F	54	ASN	CA-C-N	-17.67	100.46	119.19
2	2F	54	ASN	C-N-CA	-17.67	100.46	119.19
2	27	54	ASN	CA-C-N	-17.67	100.46	119.19
2	27	54	ASN	C-N-CA	-17.67	100.46	119.19
2	3F	54	ASN	CA-C-N	-17.67	100.46	119.19
2	3F	54	ASN	C-N-CA	-17.67	100.46	119.19
2	3R	54	ASN	CA-C-N	-17.67	100.46	119.19
2	3R	54	ASN	C-N-CA	-17.67	100.46	119.19
2	3V	54	ASN	CA-C-N	-17.67	100.46	119.19
2	3V	54	ASN	C-N-CA	-17.67	100.46	119.19
2	3Z	54	ASN	CA-C-N	-17.67	100.46	119.19
2	3Z	54	ASN	C-N-CA	-17.67	100.46	119.19
2	4B	54	ASN	CA-C-N	-17.67	100.46	119.19
2	4B	54	ASN	C-N-CA	-17.67	100.46	119.19
2	4N	54	ASN	CA-C-N	-17.67	100.46	119.19
2	4N	54	ASN	C-N-CA	-17.67	100.46	119.19
2	4V	54	ASN	CA-C-N	-17.67	100.46	119.19
2	4V	54	ASN	C-N-CA	-17.67	100.46	119.19
2	5F	54	ASN	CA-C-N	-17.67	100.46	119.19
2	5F	54	ASN	C-N-CA	-17.67	100.46	119.19
2	5J	54	ASN	CA-C-N	-17.67	100.46	119.19
2	5J	54	ASN	C-N-CA	-17.67	100.46	119.19
2	5N	54	ASN	CA-C-N	-17.67	100.46	119.19
2	5N	54	ASN	C-N-CA	-17.67	100.46	119.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5R	54	ASN	CA-C-N	-17.67	100.46	119.19
2	5R	54	ASN	C-N-CA	-17.67	100.46	119.19
2	6J	54	ASN	CA-C-N	-17.67	100.46	119.19
2	6J	54	ASN	C-N-CA	-17.67	100.46	119.19
2	6R	54	ASN	CA-C-N	-17.67	100.46	119.19
2	6R	54	ASN	C-N-CA	-17.67	100.46	119.19
2	63	54	ASN	CA-C-N	-17.67	100.46	119.19
2	63	54	ASN	C-N-CA	-17.67	100.46	119.19
2	67	54	ASN	CA-C-N	-17.67	100.46	119.19
2	67	54	ASN	C-N-CA	-17.67	100.46	119.19
2	7B	54	ASN	CA-C-N	-17.67	100.46	119.19
2	7B	54	ASN	C-N-CA	-17.67	100.46	119.19
2	7N	54	ASN	CA-C-N	-17.67	100.46	119.19
2	7N	54	ASN	C-N-CA	-17.67	100.46	119.19
2	1F	107	PHE	CA-C-N	17.67	155.28	121.54
2	1F	107	PHE	C-N-CA	17.67	155.28	121.54
2	2N	107	PHE	CA-C-N	17.67	155.28	121.54
2	2N	107	PHE	C-N-CA	17.67	155.28	121.54
2	23	107	PHE	CA-C-N	17.67	155.28	121.54
2	23	107	PHE	C-N-CA	17.67	155.28	121.54
2	3N	107	PHE	CA-C-N	17.67	155.28	121.54
2	3N	107	PHE	C-N-CA	17.67	155.28	121.54
2	37	107	PHE	CA-C-N	17.67	155.28	121.54
2	37	107	PHE	C-N-CA	17.67	155.28	121.54
2	4J	107	PHE	CA-C-N	17.67	155.28	121.54
2	4J	107	PHE	C-N-CA	17.67	155.28	121.54
2	4R	107	PHE	CA-C-N	17.67	155.28	121.54
2	4R	107	PHE	C-N-CA	17.67	155.28	121.54
2	5Z	107	PHE	CA-C-N	17.67	155.28	121.54
2	5Z	107	PHE	C-N-CA	17.67	155.28	121.54
2	6F	107	PHE	CA-C-N	17.67	155.28	121.54
2	6F	107	PHE	C-N-CA	17.67	155.28	121.54
2	6Z	107	PHE	CA-C-N	17.67	155.28	121.54
2	6Z	107	PHE	C-N-CA	17.67	155.28	121.54
2	7J	107	PHE	CA-C-N	17.67	155.28	121.54
2	7J	107	PHE	C-N-CA	17.67	155.28	121.54
2	7V	107	PHE	CA-C-N	17.67	155.28	121.54
2	7V	107	PHE	C-N-CA	17.67	155.28	121.54
2	1N	54	ASN	CA-C-N	-17.66	100.47	119.19
2	1N	54	ASN	C-N-CA	-17.66	100.47	119.19
2	2J	54	ASN	CA-C-N	-17.66	100.47	119.19
2	2J	54	ASN	C-N-CA	-17.66	100.47	119.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3B	54	ASN	CA-C-N	-17.66	100.47	119.19
2	3B	54	ASN	C-N-CA	-17.66	100.47	119.19
2	3J	54	ASN	CA-C-N	-17.66	100.47	119.19
2	3J	54	ASN	C-N-CA	-17.66	100.47	119.19
2	33	54	ASN	CA-C-N	-17.66	100.47	119.19
2	33	54	ASN	C-N-CA	-17.66	100.47	119.19
2	4F	54	ASN	CA-C-N	-17.66	100.47	119.19
2	4F	54	ASN	C-N-CA	-17.66	100.47	119.19
2	4Z	54	ASN	CA-C-N	-17.66	100.47	119.19
2	4Z	54	ASN	C-N-CA	-17.66	100.47	119.19
2	5V	54	ASN	CA-C-N	-17.66	100.47	119.19
2	5V	54	ASN	C-N-CA	-17.66	100.47	119.19
2	6N	54	ASN	CA-C-N	-17.66	100.47	119.19
2	6N	54	ASN	C-N-CA	-17.66	100.47	119.19
2	6V	54	ASN	CA-C-N	-17.66	100.47	119.19
2	6V	54	ASN	C-N-CA	-17.66	100.47	119.19
2	7F	54	ASN	CA-C-N	-17.66	100.47	119.19
2	7F	54	ASN	C-N-CA	-17.66	100.47	119.19
2	7R	54	ASN	CA-C-N	-17.66	100.47	119.19
2	7R	54	ASN	C-N-CA	-17.66	100.47	119.19
2	1B	107	PHE	CA-C-N	17.65	155.25	121.54
2	1B	107	PHE	C-N-CA	17.65	155.25	121.54
2	1J	107	PHE	CA-C-N	17.65	155.25	121.54
2	1J	107	PHE	C-N-CA	17.65	155.25	121.54
2	2F	107	PHE	CA-C-N	17.65	155.25	121.54
2	2F	107	PHE	C-N-CA	17.65	155.25	121.54
2	27	107	PHE	CA-C-N	17.65	155.25	121.54
2	27	107	PHE	C-N-CA	17.65	155.25	121.54
2	3F	107	PHE	CA-C-N	17.65	155.25	121.54
2	3F	107	PHE	C-N-CA	17.65	155.25	121.54
2	4B	107	PHE	CA-C-N	17.65	155.25	121.54
2	4B	107	PHE	C-N-CA	17.65	155.25	121.54
2	4N	107	PHE	CA-C-N	17.65	155.25	121.54
2	4N	107	PHE	C-N-CA	17.65	155.25	121.54
2	4V	107	PHE	CA-C-N	17.65	155.25	121.54
2	4V	107	PHE	C-N-CA	17.65	155.25	121.54
2	5R	107	PHE	CA-C-N	17.65	155.25	121.54
2	5R	107	PHE	C-N-CA	17.65	155.25	121.54
2	6J	107	PHE	CA-C-N	17.65	155.25	121.54
2	6J	107	PHE	C-N-CA	17.65	155.25	121.54
2	6R	107	PHE	CA-C-N	17.65	155.25	121.54
2	6R	107	PHE	C-N-CA	17.65	155.25	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	107	PHE	CA-C-N	17.65	155.25	121.54
2	7N	107	PHE	C-N-CA	17.65	155.25	121.54
2	1N	107	PHE	CA-C-N	17.65	155.25	121.54
2	1N	107	PHE	C-N-CA	17.65	155.25	121.54
2	13	107	PHE	CA-C-N	17.65	155.25	121.54
2	13	107	PHE	C-N-CA	17.65	155.25	121.54
2	17	107	PHE	CA-C-N	17.65	155.25	121.54
2	17	107	PHE	C-N-CA	17.65	155.25	121.54
2	2B	107	PHE	CA-C-N	17.65	155.25	121.54
2	2B	107	PHE	C-N-CA	17.65	155.25	121.54
2	2J	107	PHE	CA-C-N	17.65	155.25	121.54
2	2J	107	PHE	C-N-CA	17.65	155.25	121.54
2	3B	107	PHE	CA-C-N	17.65	155.25	121.54
2	3B	107	PHE	C-N-CA	17.65	155.25	121.54
2	3J	107	PHE	CA-C-N	17.65	155.25	121.54
2	3J	107	PHE	C-N-CA	17.65	155.25	121.54
2	3R	107	PHE	CA-C-N	17.65	155.25	121.54
2	3R	107	PHE	C-N-CA	17.65	155.25	121.54
2	3V	107	PHE	CA-C-N	17.65	155.25	121.54
2	3V	107	PHE	C-N-CA	17.65	155.25	121.54
2	3Z	107	PHE	CA-C-N	17.65	155.25	121.54
2	3Z	107	PHE	C-N-CA	17.65	155.25	121.54
2	33	107	PHE	CA-C-N	17.65	155.25	121.54
2	33	107	PHE	C-N-CA	17.65	155.25	121.54
2	4F	107	PHE	CA-C-N	17.65	155.25	121.54
2	4F	107	PHE	C-N-CA	17.65	155.25	121.54
2	4Z	107	PHE	CA-C-N	17.65	155.25	121.54
2	4Z	107	PHE	C-N-CA	17.65	155.25	121.54
2	5F	107	PHE	CA-C-N	17.65	155.25	121.54
2	5F	107	PHE	C-N-CA	17.65	155.25	121.54
2	5J	107	PHE	CA-C-N	17.65	155.25	121.54
2	5J	107	PHE	C-N-CA	17.65	155.25	121.54
2	5N	107	PHE	CA-C-N	17.65	155.25	121.54
2	5N	107	PHE	C-N-CA	17.65	155.25	121.54
2	5V	107	PHE	CA-C-N	17.65	155.25	121.54
2	5V	107	PHE	C-N-CA	17.65	155.25	121.54
2	6N	107	PHE	CA-C-N	17.65	155.25	121.54
2	6N	107	PHE	C-N-CA	17.65	155.25	121.54
2	6V	107	PHE	CA-C-N	17.65	155.25	121.54
2	6V	107	PHE	C-N-CA	17.65	155.25	121.54
2	63	107	PHE	CA-C-N	17.65	155.25	121.54
2	63	107	PHE	C-N-CA	17.65	155.25	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	107	PHE	CA-C-N	17.65	155.25	121.54
2	67	107	PHE	C-N-CA	17.65	155.25	121.54
2	7B	107	PHE	CA-C-N	17.65	155.25	121.54
2	7B	107	PHE	C-N-CA	17.65	155.25	121.54
2	7F	107	PHE	CA-C-N	17.65	155.25	121.54
2	7F	107	PHE	C-N-CA	17.65	155.25	121.54
2	7R	107	PHE	CA-C-N	17.65	155.25	121.54
2	7R	107	PHE	C-N-CA	17.65	155.25	121.54
2	1R	107	PHE	CA-C-N	17.64	155.22	121.54
2	1R	107	PHE	C-N-CA	17.64	155.22	121.54
2	1V	107	PHE	CA-C-N	17.64	155.22	121.54
2	1V	107	PHE	C-N-CA	17.64	155.22	121.54
2	1Z	107	PHE	CA-C-N	17.64	155.22	121.54
2	1Z	107	PHE	C-N-CA	17.64	155.22	121.54
2	2R	107	PHE	CA-C-N	17.64	155.22	121.54
2	2R	107	PHE	C-N-CA	17.64	155.22	121.54
2	2V	107	PHE	CA-C-N	17.64	155.22	121.54
2	2V	107	PHE	C-N-CA	17.64	155.22	121.54
2	2Z	107	PHE	CA-C-N	17.64	155.22	121.54
2	2Z	107	PHE	C-N-CA	17.64	155.22	121.54
2	43	107	PHE	CA-C-N	17.64	155.22	121.54
2	43	107	PHE	C-N-CA	17.64	155.22	121.54
2	47	107	PHE	CA-C-N	17.64	155.22	121.54
2	47	107	PHE	C-N-CA	17.64	155.22	121.54
2	5B	107	PHE	CA-C-N	17.64	155.22	121.54
2	5B	107	PHE	C-N-CA	17.64	155.22	121.54
2	53	107	PHE	CA-C-N	17.64	155.22	121.54
2	53	107	PHE	C-N-CA	17.64	155.22	121.54
2	57	107	PHE	CA-C-N	17.64	155.22	121.54
2	57	107	PHE	C-N-CA	17.64	155.22	121.54
2	6B	107	PHE	CA-C-N	17.64	155.22	121.54
2	6B	107	PHE	C-N-CA	17.64	155.22	121.54
1	1Q	48	TYR	CE1-CZ-CE2	17.59	155.49	120.30
1	1U	48	TYR	CE1-CZ-CE2	17.59	155.49	120.30
1	1Y	48	TYR	CE1-CZ-CE2	17.59	155.49	120.30
1	2Q	48	TYR	CE1-CZ-CE2	17.59	155.49	120.30
1	2U	48	TYR	CE1-CZ-CE2	17.59	155.49	120.30
1	2Y	48	TYR	CE1-CZ-CE2	17.59	155.49	120.30
1	42	48	TYR	CE1-CZ-CE2	17.59	155.49	120.30
1	46	48	TYR	CE1-CZ-CE2	17.59	155.49	120.30
1	5A	48	TYR	CE1-CZ-CE2	17.59	155.49	120.30
1	52	48	TYR	CE1-CZ-CE2	17.59	155.49	120.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	48	TYR	CE1-CZ-CE2	17.59	155.49	120.30
1	6A	48	TYR	CE1-CZ-CE2	17.59	155.49	120.30
1	1A	48	TYR	CE1-CZ-CE2	17.58	155.47	120.30
1	1I	48	TYR	CE1-CZ-CE2	17.58	155.47	120.30
1	2E	48	TYR	CE1-CZ-CE2	17.58	155.47	120.30
1	26	48	TYR	CE1-CZ-CE2	17.58	155.47	120.30
1	3E	48	TYR	CE1-CZ-CE2	17.58	155.47	120.30
1	4A	48	TYR	CE1-CZ-CE2	17.58	155.47	120.30
1	4M	48	TYR	CE1-CZ-CE2	17.58	155.47	120.30
1	4U	48	TYR	CE1-CZ-CE2	17.58	155.47	120.30
1	5Q	48	TYR	CE1-CZ-CE2	17.58	155.47	120.30
1	6I	48	TYR	CE1-CZ-CE2	17.58	155.47	120.30
1	6Q	48	TYR	CE1-CZ-CE2	17.58	155.47	120.30
1	7M	48	TYR	CE1-CZ-CE2	17.58	155.47	120.30
1	1E	48	TYR	CE1-CZ-CE2	17.58	155.45	120.30
1	2M	48	TYR	CE1-CZ-CE2	17.58	155.45	120.30
1	22	48	TYR	CE1-CZ-CE2	17.58	155.45	120.30
1	3M	48	TYR	CE1-CZ-CE2	17.58	155.45	120.30
1	36	48	TYR	CE1-CZ-CE2	17.58	155.45	120.30
1	4I	48	TYR	CE1-CZ-CE2	17.58	155.45	120.30
1	4Q	48	TYR	CE1-CZ-CE2	17.58	155.45	120.30
1	5Y	48	TYR	CE1-CZ-CE2	17.58	155.45	120.30
1	6E	48	TYR	CE1-CZ-CE2	17.58	155.45	120.30
1	6Y	48	TYR	CE1-CZ-CE2	17.58	155.45	120.30
1	7I	48	TYR	CE1-CZ-CE2	17.58	155.45	120.30
1	7U	48	TYR	CE1-CZ-CE2	17.58	155.45	120.30
1	12	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	16	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	2A	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	3Q	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	3U	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	3Y	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	5E	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	5I	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	5M	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	62	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	66	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	7A	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	1M	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	2I	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	3A	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	3I	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	4E	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	4Y	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	5U	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	6M	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	6U	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	7E	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	7Q	48	TYR	CE1-CZ-CE2	17.57	155.44	120.30
1	12	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	16	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	2A	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	3Q	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	3U	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	3Y	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	5E	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	5I	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	5M	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	62	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	66	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	7A	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	1A	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	1I	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	2E	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	26	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	3E	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	4A	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	4M	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	4U	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	5Q	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	6I	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	6Q	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
1	7M	43	HIS	CE1-NE2-CD2	17.40	126.40	109.00
2	1F	71	ALA	CA-C-O	-17.40	102.67	121.28
2	2N	71	ALA	CA-C-O	-17.40	102.67	121.28
2	23	71	ALA	CA-C-O	-17.40	102.67	121.28
2	3N	71	ALA	CA-C-O	-17.40	102.67	121.28
2	37	71	ALA	CA-C-O	-17.40	102.67	121.28
2	4J	71	ALA	CA-C-O	-17.40	102.67	121.28
2	4R	71	ALA	CA-C-O	-17.40	102.67	121.28
2	5Z	71	ALA	CA-C-O	-17.40	102.67	121.28
2	6F	71	ALA	CA-C-O	-17.40	102.67	121.28
2	6Z	71	ALA	CA-C-O	-17.40	102.67	121.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	71	ALA	CA-C-O	-17.40	102.67	121.28
2	7V	71	ALA	CA-C-O	-17.40	102.67	121.28
1	1Q	43	HIS	CE1-NE2-CD2	17.39	126.39	109.00
1	1U	43	HIS	CE1-NE2-CD2	17.39	126.39	109.00
1	1Y	43	HIS	CE1-NE2-CD2	17.39	126.39	109.00
1	2Q	43	HIS	CE1-NE2-CD2	17.39	126.39	109.00
1	2U	43	HIS	CE1-NE2-CD2	17.39	126.39	109.00
1	2Y	43	HIS	CE1-NE2-CD2	17.39	126.39	109.00
1	42	43	HIS	CE1-NE2-CD2	17.39	126.39	109.00
1	46	43	HIS	CE1-NE2-CD2	17.39	126.39	109.00
1	5A	43	HIS	CE1-NE2-CD2	17.39	126.39	109.00
1	52	43	HIS	CE1-NE2-CD2	17.39	126.39	109.00
1	56	43	HIS	CE1-NE2-CD2	17.39	126.39	109.00
1	6A	43	HIS	CE1-NE2-CD2	17.39	126.39	109.00
2	1B	71	ALA	CA-C-O	-17.38	102.68	121.28
2	1J	71	ALA	CA-C-O	-17.38	102.68	121.28
2	1N	71	ALA	CA-C-O	-17.38	102.68	121.28
2	2F	71	ALA	CA-C-O	-17.38	102.68	121.28
2	2J	71	ALA	CA-C-O	-17.38	102.68	121.28
2	27	71	ALA	CA-C-O	-17.38	102.68	121.28
2	3B	71	ALA	CA-C-O	-17.38	102.68	121.28
2	3F	71	ALA	CA-C-O	-17.38	102.68	121.28
2	3J	71	ALA	CA-C-O	-17.38	102.68	121.28
2	33	71	ALA	CA-C-O	-17.38	102.68	121.28
2	4B	71	ALA	CA-C-O	-17.38	102.68	121.28
2	4F	71	ALA	CA-C-O	-17.38	102.68	121.28
2	4N	71	ALA	CA-C-O	-17.38	102.68	121.28
2	4V	71	ALA	CA-C-O	-17.38	102.68	121.28
2	4Z	71	ALA	CA-C-O	-17.38	102.68	121.28
2	5R	71	ALA	CA-C-O	-17.38	102.68	121.28
2	5V	71	ALA	CA-C-O	-17.38	102.68	121.28
2	6J	71	ALA	CA-C-O	-17.38	102.68	121.28
2	6N	71	ALA	CA-C-O	-17.38	102.68	121.28
2	6R	71	ALA	CA-C-O	-17.38	102.68	121.28
2	6V	71	ALA	CA-C-O	-17.38	102.68	121.28
2	7F	71	ALA	CA-C-O	-17.38	102.68	121.28
2	7N	71	ALA	CA-C-O	-17.38	102.68	121.28
2	7R	71	ALA	CA-C-O	-17.38	102.68	121.28
1	12	18	PRO	N-CD-CG	17.38	129.27	103.20
1	16	18	PRO	N-CD-CG	17.38	129.27	103.20
1	2A	18	PRO	N-CD-CG	17.38	129.27	103.20
1	3Q	18	PRO	N-CD-CG	17.38	129.27	103.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	18	PRO	N-CD-CG	17.38	129.27	103.20
1	3Y	18	PRO	N-CD-CG	17.38	129.27	103.20
1	5E	18	PRO	N-CD-CG	17.38	129.27	103.20
1	5I	18	PRO	N-CD-CG	17.38	129.27	103.20
1	5M	18	PRO	N-CD-CG	17.38	129.27	103.20
1	62	18	PRO	N-CD-CG	17.38	129.27	103.20
1	66	18	PRO	N-CD-CG	17.38	129.27	103.20
1	7A	18	PRO	N-CD-CG	17.38	129.27	103.20
1	1E	18	PRO	N-CD-CG	17.38	129.27	103.20
1	2M	18	PRO	N-CD-CG	17.38	129.27	103.20
1	22	18	PRO	N-CD-CG	17.38	129.27	103.20
1	3M	18	PRO	N-CD-CG	17.38	129.27	103.20
1	36	18	PRO	N-CD-CG	17.38	129.27	103.20
1	4I	18	PRO	N-CD-CG	17.38	129.27	103.20
1	4Q	18	PRO	N-CD-CG	17.38	129.27	103.20
1	5Y	18	PRO	N-CD-CG	17.38	129.27	103.20
1	6E	18	PRO	N-CD-CG	17.38	129.27	103.20
1	6Y	18	PRO	N-CD-CG	17.38	129.27	103.20
1	7I	18	PRO	N-CD-CG	17.38	129.27	103.20
1	7U	18	PRO	N-CD-CG	17.38	129.27	103.20
1	1A	18	PRO	N-CD-CG	17.38	129.27	103.20
1	1I	18	PRO	N-CD-CG	17.38	129.27	103.20
1	2E	18	PRO	N-CD-CG	17.38	129.27	103.20
1	26	18	PRO	N-CD-CG	17.38	129.27	103.20
1	3E	18	PRO	N-CD-CG	17.38	129.27	103.20
1	4A	18	PRO	N-CD-CG	17.38	129.27	103.20
1	4M	18	PRO	N-CD-CG	17.38	129.27	103.20
1	4U	18	PRO	N-CD-CG	17.38	129.27	103.20
1	5Q	18	PRO	N-CD-CG	17.38	129.27	103.20
1	6I	18	PRO	N-CD-CG	17.38	129.27	103.20
1	6Q	18	PRO	N-CD-CG	17.38	129.27	103.20
1	7M	18	PRO	N-CD-CG	17.38	129.27	103.20
1	1E	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	2M	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	22	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	3M	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	36	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	4I	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	4Q	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	5Y	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	6E	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	6Y	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	7U	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	1M	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	2I	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	3A	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	3I	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	32	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	4E	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	4Y	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	5U	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	6M	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	6U	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	7E	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	7Q	43	HIS	CE1-NE2-CD2	17.36	126.36	109.00
1	1M	18	PRO	N-CD-CG	17.36	129.23	103.20
1	2I	18	PRO	N-CD-CG	17.36	129.23	103.20
1	3A	18	PRO	N-CD-CG	17.36	129.23	103.20
1	3I	18	PRO	N-CD-CG	17.36	129.23	103.20
1	32	18	PRO	N-CD-CG	17.36	129.23	103.20
1	4E	18	PRO	N-CD-CG	17.36	129.23	103.20
1	4Y	18	PRO	N-CD-CG	17.36	129.23	103.20
1	5U	18	PRO	N-CD-CG	17.36	129.23	103.20
1	6M	18	PRO	N-CD-CG	17.36	129.23	103.20
1	6U	18	PRO	N-CD-CG	17.36	129.23	103.20
1	7E	18	PRO	N-CD-CG	17.36	129.23	103.20
1	7Q	18	PRO	N-CD-CG	17.36	129.23	103.20
1	1Q	18	PRO	N-CD-CG	17.35	129.23	103.20
1	1U	18	PRO	N-CD-CG	17.35	129.23	103.20
1	1Y	18	PRO	N-CD-CG	17.35	129.23	103.20
1	2Q	18	PRO	N-CD-CG	17.35	129.23	103.20
1	2U	18	PRO	N-CD-CG	17.35	129.23	103.20
1	2Y	18	PRO	N-CD-CG	17.35	129.23	103.20
1	42	18	PRO	N-CD-CG	17.35	129.23	103.20
1	46	18	PRO	N-CD-CG	17.35	129.23	103.20
1	5A	18	PRO	N-CD-CG	17.35	129.23	103.20
1	52	18	PRO	N-CD-CG	17.35	129.23	103.20
1	56	18	PRO	N-CD-CG	17.35	129.23	103.20
1	6A	18	PRO	N-CD-CG	17.35	129.23	103.20
2	13	71	ALA	CA-C-O	-17.34	102.72	121.28
2	17	71	ALA	CA-C-O	-17.34	102.72	121.28
2	2B	71	ALA	CA-C-O	-17.34	102.72	121.28
2	3R	71	ALA	CA-C-O	-17.34	102.72	121.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	71	ALA	CA-C-O	-17.34	102.72	121.28
2	3Z	71	ALA	CA-C-O	-17.34	102.72	121.28
2	5F	71	ALA	CA-C-O	-17.34	102.72	121.28
2	5J	71	ALA	CA-C-O	-17.34	102.72	121.28
2	5N	71	ALA	CA-C-O	-17.34	102.72	121.28
2	63	71	ALA	CA-C-O	-17.34	102.72	121.28
2	67	71	ALA	CA-C-O	-17.34	102.72	121.28
2	7B	71	ALA	CA-C-O	-17.34	102.72	121.28
2	1R	216	ASN	CA-CB-CG	-17.33	95.27	112.60
2	1V	216	ASN	CA-CB-CG	-17.33	95.27	112.60
2	1Z	216	ASN	CA-CB-CG	-17.33	95.27	112.60
2	2R	216	ASN	CA-CB-CG	-17.33	95.27	112.60
2	2V	216	ASN	CA-CB-CG	-17.33	95.27	112.60
2	2Z	216	ASN	CA-CB-CG	-17.33	95.27	112.60
2	43	216	ASN	CA-CB-CG	-17.33	95.27	112.60
2	47	216	ASN	CA-CB-CG	-17.33	95.27	112.60
2	5B	216	ASN	CA-CB-CG	-17.33	95.27	112.60
2	53	216	ASN	CA-CB-CG	-17.33	95.27	112.60
2	57	216	ASN	CA-CB-CG	-17.33	95.27	112.60
2	6B	216	ASN	CA-CB-CG	-17.33	95.27	112.60
2	1R	71	ALA	CA-C-O	-17.33	102.74	121.28
2	1V	71	ALA	CA-C-O	-17.33	102.74	121.28
2	1Z	71	ALA	CA-C-O	-17.33	102.74	121.28
2	2R	71	ALA	CA-C-O	-17.33	102.74	121.28
2	2V	71	ALA	CA-C-O	-17.33	102.74	121.28
2	2Z	71	ALA	CA-C-O	-17.33	102.74	121.28
2	43	71	ALA	CA-C-O	-17.33	102.74	121.28
2	47	71	ALA	CA-C-O	-17.33	102.74	121.28
2	5B	71	ALA	CA-C-O	-17.33	102.74	121.28
2	53	71	ALA	CA-C-O	-17.33	102.74	121.28
2	57	71	ALA	CA-C-O	-17.33	102.74	121.28
2	6B	71	ALA	CA-C-O	-17.33	102.74	121.28
2	1B	216	ASN	CA-CB-CG	-17.30	95.30	112.60
2	1J	216	ASN	CA-CB-CG	-17.30	95.30	112.60
2	2F	216	ASN	CA-CB-CG	-17.30	95.30	112.60
2	27	216	ASN	CA-CB-CG	-17.30	95.30	112.60
2	3F	216	ASN	CA-CB-CG	-17.30	95.30	112.60
2	4B	216	ASN	CA-CB-CG	-17.30	95.30	112.60
2	4N	216	ASN	CA-CB-CG	-17.30	95.30	112.60
2	4V	216	ASN	CA-CB-CG	-17.30	95.30	112.60
2	5R	216	ASN	CA-CB-CG	-17.30	95.30	112.60
2	6J	216	ASN	CA-CB-CG	-17.30	95.30	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	216	ASN	CA-CB-CG	-17.30	95.30	112.60
2	7N	216	ASN	CA-CB-CG	-17.30	95.30	112.60
2	1N	216	ASN	CA-CB-CG	-17.29	95.31	112.60
2	2J	216	ASN	CA-CB-CG	-17.29	95.31	112.60
2	3B	216	ASN	CA-CB-CG	-17.29	95.31	112.60
2	3J	216	ASN	CA-CB-CG	-17.29	95.31	112.60
2	33	216	ASN	CA-CB-CG	-17.29	95.31	112.60
2	4F	216	ASN	CA-CB-CG	-17.29	95.31	112.60
2	4Z	216	ASN	CA-CB-CG	-17.29	95.31	112.60
2	5V	216	ASN	CA-CB-CG	-17.29	95.31	112.60
2	6N	216	ASN	CA-CB-CG	-17.29	95.31	112.60
2	6V	216	ASN	CA-CB-CG	-17.29	95.31	112.60
2	7F	216	ASN	CA-CB-CG	-17.29	95.31	112.60
2	7R	216	ASN	CA-CB-CG	-17.29	95.31	112.60
2	1F	216	ASN	CA-CB-CG	-17.28	95.32	112.60
2	2N	216	ASN	CA-CB-CG	-17.28	95.32	112.60
2	23	216	ASN	CA-CB-CG	-17.28	95.32	112.60
2	3N	216	ASN	CA-CB-CG	-17.28	95.32	112.60
2	37	216	ASN	CA-CB-CG	-17.28	95.32	112.60
2	4J	216	ASN	CA-CB-CG	-17.28	95.32	112.60
2	4R	216	ASN	CA-CB-CG	-17.28	95.32	112.60
2	5Z	216	ASN	CA-CB-CG	-17.28	95.32	112.60
2	6F	216	ASN	CA-CB-CG	-17.28	95.32	112.60
2	6Z	216	ASN	CA-CB-CG	-17.28	95.32	112.60
2	7J	216	ASN	CA-CB-CG	-17.28	95.32	112.60
2	7V	216	ASN	CA-CB-CG	-17.28	95.32	112.60
1	1E	52	PHE	CG-CD2-CE2	-17.28	91.33	120.70
1	2M	52	PHE	CG-CD2-CE2	-17.28	91.33	120.70
1	22	52	PHE	CG-CD2-CE2	-17.28	91.33	120.70
1	3M	52	PHE	CG-CD2-CE2	-17.28	91.33	120.70
1	36	52	PHE	CG-CD2-CE2	-17.28	91.33	120.70
1	4I	52	PHE	CG-CD2-CE2	-17.28	91.33	120.70
1	4Q	52	PHE	CG-CD2-CE2	-17.28	91.33	120.70
1	5Y	52	PHE	CG-CD2-CE2	-17.28	91.33	120.70
1	6E	52	PHE	CG-CD2-CE2	-17.28	91.33	120.70
1	6Y	52	PHE	CG-CD2-CE2	-17.28	91.33	120.70
1	7I	52	PHE	CG-CD2-CE2	-17.28	91.33	120.70
1	7U	52	PHE	CG-CD2-CE2	-17.28	91.33	120.70
1	1Q	52	PHE	CG-CD2-CE2	-17.27	91.34	120.70
1	1U	52	PHE	CG-CD2-CE2	-17.27	91.34	120.70
1	1Y	52	PHE	CG-CD2-CE2	-17.27	91.34	120.70
1	2Q	52	PHE	CG-CD2-CE2	-17.27	91.34	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	52	PHE	CG-CD2-CE2	-17.27	91.34	120.70
1	2Y	52	PHE	CG-CD2-CE2	-17.27	91.34	120.70
1	42	52	PHE	CG-CD2-CE2	-17.27	91.34	120.70
1	46	52	PHE	CG-CD2-CE2	-17.27	91.34	120.70
1	5A	52	PHE	CG-CD2-CE2	-17.27	91.34	120.70
1	52	52	PHE	CG-CD2-CE2	-17.27	91.34	120.70
1	56	52	PHE	CG-CD2-CE2	-17.27	91.34	120.70
1	6A	52	PHE	CG-CD2-CE2	-17.27	91.34	120.70
2	13	216	ASN	CA-CB-CG	-17.27	95.33	112.60
2	17	216	ASN	CA-CB-CG	-17.27	95.33	112.60
2	2B	216	ASN	CA-CB-CG	-17.27	95.33	112.60
2	3R	216	ASN	CA-CB-CG	-17.27	95.33	112.60
2	3V	216	ASN	CA-CB-CG	-17.27	95.33	112.60
2	3Z	216	ASN	CA-CB-CG	-17.27	95.33	112.60
2	5F	216	ASN	CA-CB-CG	-17.27	95.33	112.60
2	5J	216	ASN	CA-CB-CG	-17.27	95.33	112.60
2	5N	216	ASN	CA-CB-CG	-17.27	95.33	112.60
2	63	216	ASN	CA-CB-CG	-17.27	95.33	112.60
2	67	216	ASN	CA-CB-CG	-17.27	95.33	112.60
2	7B	216	ASN	CA-CB-CG	-17.27	95.33	112.60
1	12	172	PHE	CG-CD1-CE1	17.26	150.05	120.70
1	16	172	PHE	CG-CD1-CE1	17.26	150.05	120.70
1	2A	172	PHE	CG-CD1-CE1	17.26	150.05	120.70
1	3Q	172	PHE	CG-CD1-CE1	17.26	150.05	120.70
1	3U	172	PHE	CG-CD1-CE1	17.26	150.05	120.70
1	3Y	172	PHE	CG-CD1-CE1	17.26	150.05	120.70
1	5E	172	PHE	CG-CD1-CE1	17.26	150.05	120.70
1	5I	172	PHE	CG-CD1-CE1	17.26	150.05	120.70
1	5M	172	PHE	CG-CD1-CE1	17.26	150.05	120.70
1	62	172	PHE	CG-CD1-CE1	17.26	150.05	120.70
1	66	172	PHE	CG-CD1-CE1	17.26	150.05	120.70
1	7A	172	PHE	CG-CD1-CE1	17.26	150.05	120.70
1	1E	172	PHE	CG-CD1-CE1	17.26	150.04	120.70
1	2M	172	PHE	CG-CD1-CE1	17.26	150.04	120.70
1	22	172	PHE	CG-CD1-CE1	17.26	150.04	120.70
1	3M	172	PHE	CG-CD1-CE1	17.26	150.04	120.70
1	36	172	PHE	CG-CD1-CE1	17.26	150.04	120.70
1	4I	172	PHE	CG-CD1-CE1	17.26	150.04	120.70
1	4Q	172	PHE	CG-CD1-CE1	17.26	150.04	120.70
1	5Y	172	PHE	CG-CD1-CE1	17.26	150.04	120.70
1	6E	172	PHE	CG-CD1-CE1	17.26	150.04	120.70
1	6Y	172	PHE	CG-CD1-CE1	17.26	150.04	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	172	PHE	CG-CD1-CE1	17.26	150.04	120.70
1	7U	172	PHE	CG-CD1-CE1	17.26	150.04	120.70
1	1A	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	1I	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
2	1R	227	TYR	OH-CZ-CE2	17.25	171.66	119.90
2	1V	227	TYR	OH-CZ-CE2	17.25	171.66	119.90
2	1Z	227	TYR	OH-CZ-CE2	17.25	171.66	119.90
1	2E	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
2	2R	227	TYR	OH-CZ-CE2	17.25	171.66	119.90
2	2V	227	TYR	OH-CZ-CE2	17.25	171.66	119.90
2	2Z	227	TYR	OH-CZ-CE2	17.25	171.66	119.90
1	26	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	3E	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	4A	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	4M	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	4U	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
2	43	227	TYR	OH-CZ-CE2	17.25	171.66	119.90
2	47	227	TYR	OH-CZ-CE2	17.25	171.66	119.90
2	5B	227	TYR	OH-CZ-CE2	17.25	171.66	119.90
1	5Q	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
2	53	227	TYR	OH-CZ-CE2	17.25	171.66	119.90
2	57	227	TYR	OH-CZ-CE2	17.25	171.66	119.90
2	6B	227	TYR	OH-CZ-CE2	17.25	171.66	119.90
1	6I	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	6Q	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	7M	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	12	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	16	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	2A	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	3Q	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	3U	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	3Y	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	5E	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	5I	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	5M	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	62	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	66	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	7A	52	PHE	CG-CD2-CE2	-17.25	91.37	120.70
1	1A	172	PHE	CG-CD1-CE1	17.25	150.03	120.70
1	1I	172	PHE	CG-CD1-CE1	17.25	150.03	120.70
1	2E	172	PHE	CG-CD1-CE1	17.25	150.03	120.70
1	26	172	PHE	CG-CD1-CE1	17.25	150.03	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	172	PHE	CG-CD1-CE1	17.25	150.03	120.70
1	4A	172	PHE	CG-CD1-CE1	17.25	150.03	120.70
1	4M	172	PHE	CG-CD1-CE1	17.25	150.03	120.70
1	4U	172	PHE	CG-CD1-CE1	17.25	150.03	120.70
1	5Q	172	PHE	CG-CD1-CE1	17.25	150.03	120.70
1	6I	172	PHE	CG-CD1-CE1	17.25	150.03	120.70
1	6Q	172	PHE	CG-CD1-CE1	17.25	150.03	120.70
1	7M	172	PHE	CG-CD1-CE1	17.25	150.03	120.70
2	1F	227	TYR	OH-CZ-CE2	17.25	171.65	119.90
2	2N	227	TYR	OH-CZ-CE2	17.25	171.65	119.90
2	23	227	TYR	OH-CZ-CE2	17.25	171.65	119.90
2	3N	227	TYR	OH-CZ-CE2	17.25	171.65	119.90
2	37	227	TYR	OH-CZ-CE2	17.25	171.65	119.90
2	4J	227	TYR	OH-CZ-CE2	17.25	171.65	119.90
2	4R	227	TYR	OH-CZ-CE2	17.25	171.65	119.90
2	5Z	227	TYR	OH-CZ-CE2	17.25	171.65	119.90
2	6F	227	TYR	OH-CZ-CE2	17.25	171.65	119.90
2	6Z	227	TYR	OH-CZ-CE2	17.25	171.65	119.90
2	7J	227	TYR	OH-CZ-CE2	17.25	171.65	119.90
2	7V	227	TYR	OH-CZ-CE2	17.25	171.65	119.90
2	1B	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	1J	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	1N	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	2F	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	2J	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	27	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	3B	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	3F	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	3J	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	33	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	4B	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	4F	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	4N	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	4V	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	4Z	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	5R	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	5V	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	6J	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	6N	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	6R	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	6V	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	7F	227	TYR	OH-CZ-CE2	17.25	171.64	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
2	7R	227	TYR	OH-CZ-CE2	17.25	171.64	119.90
1	1M	172	PHE	CG-CD1-CE1	17.24	150.01	120.70
1	2I	172	PHE	CG-CD1-CE1	17.24	150.01	120.70
1	3A	172	PHE	CG-CD1-CE1	17.24	150.01	120.70
1	3I	172	PHE	CG-CD1-CE1	17.24	150.01	120.70
1	32	172	PHE	CG-CD1-CE1	17.24	150.01	120.70
1	4E	172	PHE	CG-CD1-CE1	17.24	150.01	120.70
1	4Y	172	PHE	CG-CD1-CE1	17.24	150.01	120.70
1	5U	172	PHE	CG-CD1-CE1	17.24	150.01	120.70
1	6M	172	PHE	CG-CD1-CE1	17.24	150.01	120.70
1	6U	172	PHE	CG-CD1-CE1	17.24	150.01	120.70
1	7E	172	PHE	CG-CD1-CE1	17.24	150.01	120.70
1	7Q	172	PHE	CG-CD1-CE1	17.24	150.01	120.70
1	1A	97	SER	CA-C-O	17.24	140.19	121.06
1	1I	97	SER	CA-C-O	17.24	140.19	121.06
1	1Q	97	SER	CA-C-O	17.24	140.20	121.06
1	1U	97	SER	CA-C-O	17.24	140.20	121.06
1	1Y	97	SER	CA-C-O	17.24	140.20	121.06
1	2E	97	SER	CA-C-O	17.24	140.19	121.06
1	2Q	97	SER	CA-C-O	17.24	140.20	121.06
1	2U	97	SER	CA-C-O	17.24	140.20	121.06
1	2Y	97	SER	CA-C-O	17.24	140.20	121.06
1	26	97	SER	CA-C-O	17.24	140.19	121.06
1	3E	97	SER	CA-C-O	17.24	140.19	121.06
1	4A	97	SER	CA-C-O	17.24	140.19	121.06
1	4M	97	SER	CA-C-O	17.24	140.19	121.06
1	4U	97	SER	CA-C-O	17.24	140.19	121.06
1	42	97	SER	CA-C-O	17.24	140.20	121.06
1	46	97	SER	CA-C-O	17.24	140.20	121.06
1	5A	97	SER	CA-C-O	17.24	140.20	121.06
1	5Q	97	SER	CA-C-O	17.24	140.19	121.06
1	52	97	SER	CA-C-O	17.24	140.20	121.06
1	56	97	SER	CA-C-O	17.24	140.20	121.06
1	6A	97	SER	CA-C-O	17.24	140.20	121.06
1	6I	97	SER	CA-C-O	17.24	140.19	121.06
1	6Q	97	SER	CA-C-O	17.24	140.19	121.06
1	7M	97	SER	CA-C-O	17.24	140.19	121.06
2	13	227	TYR	OH-CZ-CE2	17.24	171.61	119.90
2	17	227	TYR	OH-CZ-CE2	17.24	171.61	119.90
2	2B	227	TYR	OH-CZ-CE2	17.24	171.61	119.90
2	3R	227	TYR	OH-CZ-CE2	17.24	171.61	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	227	TYR	OH-CZ-CE2	17.24	171.61	119.90
2	3Z	227	TYR	OH-CZ-CE2	17.24	171.61	119.90
2	5F	227	TYR	OH-CZ-CE2	17.24	171.61	119.90
2	5J	227	TYR	OH-CZ-CE2	17.24	171.61	119.90
2	5N	227	TYR	OH-CZ-CE2	17.24	171.61	119.90
2	63	227	TYR	OH-CZ-CE2	17.24	171.61	119.90
2	67	227	TYR	OH-CZ-CE2	17.24	171.61	119.90
2	7B	227	TYR	OH-CZ-CE2	17.24	171.61	119.90
1	1M	52	PHE	CG-CD2-CE2	-17.23	91.41	120.70
1	12	97	SER	CA-C-O	17.23	140.19	121.06
1	16	97	SER	CA-C-O	17.23	140.19	121.06
1	2A	97	SER	CA-C-O	17.23	140.19	121.06
1	2I	52	PHE	CG-CD2-CE2	-17.23	91.41	120.70
1	3A	52	PHE	CG-CD2-CE2	-17.23	91.41	120.70
1	3I	52	PHE	CG-CD2-CE2	-17.23	91.41	120.70
1	3Q	97	SER	CA-C-O	17.23	140.19	121.06
1	3U	97	SER	CA-C-O	17.23	140.19	121.06
1	3Y	97	SER	CA-C-O	17.23	140.19	121.06
1	32	52	PHE	CG-CD2-CE2	-17.23	91.41	120.70
1	4E	52	PHE	CG-CD2-CE2	-17.23	91.41	120.70
1	4Y	52	PHE	CG-CD2-CE2	-17.23	91.41	120.70
1	5E	97	SER	CA-C-O	17.23	140.19	121.06
1	5I	97	SER	CA-C-O	17.23	140.19	121.06
1	5M	97	SER	CA-C-O	17.23	140.19	121.06
1	5U	52	PHE	CG-CD2-CE2	-17.23	91.41	120.70
1	6M	52	PHE	CG-CD2-CE2	-17.23	91.41	120.70
1	6U	52	PHE	CG-CD2-CE2	-17.23	91.41	120.70
1	62	97	SER	CA-C-O	17.23	140.19	121.06
1	66	97	SER	CA-C-O	17.23	140.19	121.06
1	7A	97	SER	CA-C-O	17.23	140.19	121.06
1	7E	52	PHE	CG-CD2-CE2	-17.23	91.41	120.70
1	7Q	52	PHE	CG-CD2-CE2	-17.23	91.41	120.70
1	1Q	172	PHE	CG-CD1-CE1	17.23	149.98	120.70
1	1U	172	PHE	CG-CD1-CE1	17.23	149.98	120.70
1	1Y	172	PHE	CG-CD1-CE1	17.23	149.98	120.70
1	2Q	172	PHE	CG-CD1-CE1	17.23	149.98	120.70
1	2U	172	PHE	CG-CD1-CE1	17.23	149.98	120.70
1	2Y	172	PHE	CG-CD1-CE1	17.23	149.98	120.70
1	42	172	PHE	CG-CD1-CE1	17.23	149.98	120.70
1	46	172	PHE	CG-CD1-CE1	17.23	149.98	120.70
1	5A	172	PHE	CG-CD1-CE1	17.23	149.98	120.70
1	52	172	PHE	CG-CD1-CE1	17.23	149.98	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	172	PHE	CG-CD1-CE1	17.23	149.98	120.70
1	6A	172	PHE	CG-CD1-CE1	17.23	149.98	120.70
1	1E	97	SER	CA-C-O	17.22	140.18	121.06
1	2M	97	SER	CA-C-O	17.22	140.18	121.06
1	22	97	SER	CA-C-O	17.22	140.18	121.06
1	3M	97	SER	CA-C-O	17.22	140.18	121.06
1	36	97	SER	CA-C-O	17.22	140.18	121.06
1	4I	97	SER	CA-C-O	17.22	140.18	121.06
1	4Q	97	SER	CA-C-O	17.22	140.18	121.06
1	5Y	97	SER	CA-C-O	17.22	140.18	121.06
1	6E	97	SER	CA-C-O	17.22	140.18	121.06
1	6Y	97	SER	CA-C-O	17.22	140.18	121.06
1	7I	97	SER	CA-C-O	17.22	140.18	121.06
1	7U	97	SER	CA-C-O	17.22	140.18	121.06
1	1A	81	ASN	OD1-CG-ND2	17.22	139.82	122.60
1	1I	81	ASN	OD1-CG-ND2	17.22	139.82	122.60
1	2E	81	ASN	OD1-CG-ND2	17.22	139.82	122.60
1	26	81	ASN	OD1-CG-ND2	17.22	139.82	122.60
1	3E	81	ASN	OD1-CG-ND2	17.22	139.82	122.60
1	4A	81	ASN	OD1-CG-ND2	17.22	139.82	122.60
1	4M	81	ASN	OD1-CG-ND2	17.22	139.82	122.60
1	4U	81	ASN	OD1-CG-ND2	17.22	139.82	122.60
1	5Q	81	ASN	OD1-CG-ND2	17.22	139.82	122.60
1	6I	81	ASN	OD1-CG-ND2	17.22	139.82	122.60
1	6Q	81	ASN	OD1-CG-ND2	17.22	139.82	122.60
1	7M	81	ASN	OD1-CG-ND2	17.22	139.82	122.60
1	1M	81	ASN	OD1-CG-ND2	17.21	139.81	122.60
1	2I	81	ASN	OD1-CG-ND2	17.21	139.81	122.60
1	3A	81	ASN	OD1-CG-ND2	17.21	139.81	122.60
1	3I	81	ASN	OD1-CG-ND2	17.21	139.81	122.60
1	32	81	ASN	OD1-CG-ND2	17.21	139.81	122.60
1	4E	81	ASN	OD1-CG-ND2	17.21	139.81	122.60
1	4Y	81	ASN	OD1-CG-ND2	17.21	139.81	122.60
1	5U	81	ASN	OD1-CG-ND2	17.21	139.81	122.60
1	6M	81	ASN	OD1-CG-ND2	17.21	139.81	122.60
1	6U	81	ASN	OD1-CG-ND2	17.21	139.81	122.60
1	7E	81	ASN	OD1-CG-ND2	17.21	139.81	122.60
1	7Q	81	ASN	OD1-CG-ND2	17.21	139.81	122.60
2	1F	78	HIS	ND1-CG-CD2	-17.21	88.89	106.10
2	2N	78	HIS	ND1-CG-CD2	-17.21	88.89	106.10
2	23	78	HIS	ND1-CG-CD2	-17.21	88.89	106.10
2	3N	78	HIS	ND1-CG-CD2	-17.21	88.89	106.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	78	HIS	ND1-CG-CD2	-17.21	88.89	106.10
2	4J	78	HIS	ND1-CG-CD2	-17.21	88.89	106.10
2	4R	78	HIS	ND1-CG-CD2	-17.21	88.89	106.10
2	5Z	78	HIS	ND1-CG-CD2	-17.21	88.89	106.10
2	6F	78	HIS	ND1-CG-CD2	-17.21	88.89	106.10
2	6Z	78	HIS	ND1-CG-CD2	-17.21	88.89	106.10
2	7J	78	HIS	ND1-CG-CD2	-17.21	88.89	106.10
2	7V	78	HIS	ND1-CG-CD2	-17.21	88.89	106.10
1	1M	97	SER	CA-C-O	17.20	140.16	121.06
1	2I	97	SER	CA-C-O	17.20	140.16	121.06
1	3A	97	SER	CA-C-O	17.20	140.16	121.06
1	3I	97	SER	CA-C-O	17.20	140.16	121.06
1	32	97	SER	CA-C-O	17.20	140.16	121.06
1	4E	97	SER	CA-C-O	17.20	140.16	121.06
1	4Y	97	SER	CA-C-O	17.20	140.16	121.06
1	5U	97	SER	CA-C-O	17.20	140.16	121.06
1	6M	97	SER	CA-C-O	17.20	140.16	121.06
1	6U	97	SER	CA-C-O	17.20	140.16	121.06
1	7E	97	SER	CA-C-O	17.20	140.16	121.06
1	7Q	97	SER	CA-C-O	17.20	140.16	121.06
2	13	78	HIS	ND1-CG-CD2	-17.18	88.92	106.10
2	17	78	HIS	ND1-CG-CD2	-17.18	88.92	106.10
2	2B	78	HIS	ND1-CG-CD2	-17.18	88.92	106.10
2	3R	78	HIS	ND1-CG-CD2	-17.18	88.92	106.10
2	3V	78	HIS	ND1-CG-CD2	-17.18	88.92	106.10
2	3Z	78	HIS	ND1-CG-CD2	-17.18	88.92	106.10
2	5F	78	HIS	ND1-CG-CD2	-17.18	88.92	106.10
2	5J	78	HIS	ND1-CG-CD2	-17.18	88.92	106.10
2	5N	78	HIS	ND1-CG-CD2	-17.18	88.92	106.10
2	63	78	HIS	ND1-CG-CD2	-17.18	88.92	106.10
2	67	78	HIS	ND1-CG-CD2	-17.18	88.92	106.10
2	7B	78	HIS	ND1-CG-CD2	-17.18	88.92	106.10
1	1E	81	ASN	OD1-CG-ND2	17.18	139.78	122.60
1	2M	81	ASN	OD1-CG-ND2	17.18	139.78	122.60
1	22	81	ASN	OD1-CG-ND2	17.18	139.78	122.60
1	3M	81	ASN	OD1-CG-ND2	17.18	139.78	122.60
1	36	81	ASN	OD1-CG-ND2	17.18	139.78	122.60
1	4I	81	ASN	OD1-CG-ND2	17.18	139.78	122.60
1	4Q	81	ASN	OD1-CG-ND2	17.18	139.78	122.60
1	5Y	81	ASN	OD1-CG-ND2	17.18	139.78	122.60
1	6E	81	ASN	OD1-CG-ND2	17.18	139.78	122.60
1	6Y	81	ASN	OD1-CG-ND2	17.18	139.78	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	81	ASN	OD1-CG-ND2	17.18	139.78	122.60
1	7U	81	ASN	OD1-CG-ND2	17.18	139.78	122.60
1	1Q	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	1U	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	1Y	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	2Q	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	2U	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	2Y	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	42	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	46	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	5A	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	52	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	56	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	6A	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	12	81	ASN	OD1-CG-ND2	17.17	139.77	122.60
1	16	81	ASN	OD1-CG-ND2	17.17	139.77	122.60
1	2A	81	ASN	OD1-CG-ND2	17.17	139.77	122.60
1	3Q	81	ASN	OD1-CG-ND2	17.17	139.77	122.60
1	3U	81	ASN	OD1-CG-ND2	17.17	139.77	122.60
1	3Y	81	ASN	OD1-CG-ND2	17.17	139.77	122.60
1	5E	81	ASN	OD1-CG-ND2	17.17	139.77	122.60
1	5I	81	ASN	OD1-CG-ND2	17.17	139.77	122.60
1	5M	81	ASN	OD1-CG-ND2	17.17	139.77	122.60
1	62	81	ASN	OD1-CG-ND2	17.17	139.77	122.60
1	66	81	ASN	OD1-CG-ND2	17.17	139.77	122.60
1	7A	81	ASN	OD1-CG-ND2	17.17	139.77	122.60
1	12	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	16	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	2A	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	3Q	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	3U	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	3Y	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	5E	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	5I	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	5M	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	62	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	66	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	7A	96	ASP	CA-CB-CG	17.17	129.77	112.60
1	1Q	81	ASN	OD1-CG-ND2	17.16	139.76	122.60
1	1U	81	ASN	OD1-CG-ND2	17.16	139.76	122.60
1	1Y	81	ASN	OD1-CG-ND2	17.16	139.76	122.60
1	2Q	81	ASN	OD1-CG-ND2	17.16	139.76	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	81	ASN	OD1-CG-ND2	17.16	139.76	122.60
1	2Y	81	ASN	OD1-CG-ND2	17.16	139.76	122.60
1	42	81	ASN	OD1-CG-ND2	17.16	139.76	122.60
1	46	81	ASN	OD1-CG-ND2	17.16	139.76	122.60
1	5A	81	ASN	OD1-CG-ND2	17.16	139.76	122.60
1	52	81	ASN	OD1-CG-ND2	17.16	139.76	122.60
1	56	81	ASN	OD1-CG-ND2	17.16	139.76	122.60
1	6A	81	ASN	OD1-CG-ND2	17.16	139.76	122.60
1	1M	147	ARG	NE-CZ-NH1	-17.16	104.34	121.50
1	2I	147	ARG	NE-CZ-NH1	-17.16	104.34	121.50
1	3A	147	ARG	NE-CZ-NH1	-17.16	104.34	121.50
1	3I	147	ARG	NE-CZ-NH1	-17.16	104.34	121.50
1	32	147	ARG	NE-CZ-NH1	-17.16	104.34	121.50
1	4E	147	ARG	NE-CZ-NH1	-17.16	104.34	121.50
1	4Y	147	ARG	NE-CZ-NH1	-17.16	104.34	121.50
1	5U	147	ARG	NE-CZ-NH1	-17.16	104.34	121.50
1	6M	147	ARG	NE-CZ-NH1	-17.16	104.34	121.50
1	6U	147	ARG	NE-CZ-NH1	-17.16	104.34	121.50
1	7E	147	ARG	NE-CZ-NH1	-17.16	104.34	121.50
1	7Q	147	ARG	NE-CZ-NH1	-17.16	104.34	121.50
2	1B	78	HIS	ND1-CG-CD2	-17.16	88.94	106.10
2	1J	78	HIS	ND1-CG-CD2	-17.16	88.94	106.10
2	2F	78	HIS	ND1-CG-CD2	-17.16	88.94	106.10
2	27	78	HIS	ND1-CG-CD2	-17.16	88.94	106.10
2	3F	78	HIS	ND1-CG-CD2	-17.16	88.94	106.10
2	4B	78	HIS	ND1-CG-CD2	-17.16	88.94	106.10
2	4N	78	HIS	ND1-CG-CD2	-17.16	88.94	106.10
2	4V	78	HIS	ND1-CG-CD2	-17.16	88.94	106.10
2	5R	78	HIS	ND1-CG-CD2	-17.16	88.94	106.10
2	6J	78	HIS	ND1-CG-CD2	-17.16	88.94	106.10
2	6R	78	HIS	ND1-CG-CD2	-17.16	88.94	106.10
2	7N	78	HIS	ND1-CG-CD2	-17.16	88.94	106.10
1	1A	96	ASP	CA-CB-CG	17.16	129.76	112.60
1	1I	96	ASP	CA-CB-CG	17.16	129.76	112.60
1	2E	96	ASP	CA-CB-CG	17.16	129.76	112.60
1	26	96	ASP	CA-CB-CG	17.16	129.76	112.60
1	3E	96	ASP	CA-CB-CG	17.16	129.76	112.60
1	4A	96	ASP	CA-CB-CG	17.16	129.76	112.60
1	4M	96	ASP	CA-CB-CG	17.16	129.76	112.60
1	4U	96	ASP	CA-CB-CG	17.16	129.76	112.60
1	5Q	96	ASP	CA-CB-CG	17.16	129.76	112.60
1	6I	96	ASP	CA-CB-CG	17.16	129.76	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	96	ASP	CA-CB-CG	17.16	129.76	112.60
1	7M	96	ASP	CA-CB-CG	17.16	129.76	112.60
2	1R	78	HIS	ND1-CG-CD2	-17.14	88.95	106.10
2	1V	78	HIS	ND1-CG-CD2	-17.14	88.95	106.10
2	1Z	78	HIS	ND1-CG-CD2	-17.14	88.95	106.10
2	2R	78	HIS	ND1-CG-CD2	-17.14	88.95	106.10
2	2V	78	HIS	ND1-CG-CD2	-17.14	88.95	106.10
2	2Z	78	HIS	ND1-CG-CD2	-17.14	88.95	106.10
2	43	78	HIS	ND1-CG-CD2	-17.14	88.95	106.10
2	47	78	HIS	ND1-CG-CD2	-17.14	88.95	106.10
2	5B	78	HIS	ND1-CG-CD2	-17.14	88.95	106.10
2	53	78	HIS	ND1-CG-CD2	-17.14	88.95	106.10
2	57	78	HIS	ND1-CG-CD2	-17.14	88.95	106.10
2	6B	78	HIS	ND1-CG-CD2	-17.14	88.95	106.10
1	1A	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	1I	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	12	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	16	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	2A	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	2E	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	26	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	3E	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	3Q	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	3U	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	3Y	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	4A	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	4M	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	4U	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	5E	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	5I	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	5M	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	5Q	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	6I	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	6Q	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	62	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	66	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	7A	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	7M	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	1E	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	2M	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	22	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	3M	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	4I	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	4Q	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	5Y	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	6E	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	6Y	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	7I	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	7U	147	ARG	NE-CZ-NH1	-17.14	104.36	121.50
1	1M	96	ASP	CA-CB-CG	17.13	129.73	112.60
1	2I	96	ASP	CA-CB-CG	17.13	129.73	112.60
1	3A	96	ASP	CA-CB-CG	17.13	129.73	112.60
1	3I	96	ASP	CA-CB-CG	17.13	129.73	112.60
1	32	96	ASP	CA-CB-CG	17.13	129.73	112.60
1	4E	96	ASP	CA-CB-CG	17.13	129.73	112.60
1	4Y	96	ASP	CA-CB-CG	17.13	129.73	112.60
1	5U	96	ASP	CA-CB-CG	17.13	129.73	112.60
1	6M	96	ASP	CA-CB-CG	17.13	129.73	112.60
1	6U	96	ASP	CA-CB-CG	17.13	129.73	112.60
1	7E	96	ASP	CA-CB-CG	17.13	129.73	112.60
1	7Q	96	ASP	CA-CB-CG	17.13	129.73	112.60
2	1N	78	HIS	ND1-CG-CD2	-17.13	88.97	106.10
2	2J	78	HIS	ND1-CG-CD2	-17.13	88.97	106.10
2	3B	78	HIS	ND1-CG-CD2	-17.13	88.97	106.10
2	3J	78	HIS	ND1-CG-CD2	-17.13	88.97	106.10
2	33	78	HIS	ND1-CG-CD2	-17.13	88.97	106.10
2	4F	78	HIS	ND1-CG-CD2	-17.13	88.97	106.10
2	4Z	78	HIS	ND1-CG-CD2	-17.13	88.97	106.10
2	5V	78	HIS	ND1-CG-CD2	-17.13	88.97	106.10
2	6N	78	HIS	ND1-CG-CD2	-17.13	88.97	106.10
2	6V	78	HIS	ND1-CG-CD2	-17.13	88.97	106.10
2	7F	78	HIS	ND1-CG-CD2	-17.13	88.97	106.10
2	7R	78	HIS	ND1-CG-CD2	-17.13	88.97	106.10
1	1E	65	PHE	N-CA-CB	-17.11	81.81	111.08
1	2M	65	PHE	N-CA-CB	-17.11	81.81	111.08
1	22	65	PHE	N-CA-CB	-17.11	81.81	111.08
1	3M	65	PHE	N-CA-CB	-17.11	81.81	111.08
1	36	65	PHE	N-CA-CB	-17.11	81.81	111.08
1	4I	65	PHE	N-CA-CB	-17.11	81.81	111.08
1	4Q	65	PHE	N-CA-CB	-17.11	81.81	111.08
1	5Y	65	PHE	N-CA-CB	-17.11	81.81	111.08
1	6E	65	PHE	N-CA-CB	-17.11	81.81	111.08
1	6Y	65	PHE	N-CA-CB	-17.11	81.81	111.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	65	PHE	N-CA-CB	-17.11	81.81	111.08
1	7U	65	PHE	N-CA-CB	-17.11	81.81	111.08
1	1E	96	ASP	CA-CB-CG	17.11	129.71	112.60
1	2M	96	ASP	CA-CB-CG	17.11	129.71	112.60
1	22	96	ASP	CA-CB-CG	17.11	129.71	112.60
1	3M	96	ASP	CA-CB-CG	17.11	129.71	112.60
1	36	96	ASP	CA-CB-CG	17.11	129.71	112.60
1	4I	96	ASP	CA-CB-CG	17.11	129.71	112.60
1	4Q	96	ASP	CA-CB-CG	17.11	129.71	112.60
1	5Y	96	ASP	CA-CB-CG	17.11	129.71	112.60
1	6E	96	ASP	CA-CB-CG	17.11	129.71	112.60
1	6Y	96	ASP	CA-CB-CG	17.11	129.71	112.60
1	7I	96	ASP	CA-CB-CG	17.11	129.71	112.60
1	7U	96	ASP	CA-CB-CG	17.11	129.71	112.60
1	1Q	18	PRO	O-C-N	17.11	145.74	122.64
1	1U	18	PRO	O-C-N	17.11	145.74	122.64
1	1Y	18	PRO	O-C-N	17.11	145.74	122.64
1	12	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	16	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	2A	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	2Q	18	PRO	O-C-N	17.11	145.74	122.64
1	2U	18	PRO	O-C-N	17.11	145.74	122.64
1	2Y	18	PRO	O-C-N	17.11	145.74	122.64
1	3Q	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	3U	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	3Y	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	42	18	PRO	O-C-N	17.11	145.74	122.64
1	46	18	PRO	O-C-N	17.11	145.74	122.64
1	5A	18	PRO	O-C-N	17.11	145.74	122.64
1	5E	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	5I	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	5M	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	52	18	PRO	O-C-N	17.11	145.74	122.64
1	56	18	PRO	O-C-N	17.11	145.74	122.64
1	6A	18	PRO	O-C-N	17.11	145.74	122.64
1	62	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	66	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	7A	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	1M	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	2I	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	3A	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	3I	65	PHE	N-CA-CB	-17.11	81.82	111.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	4E	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	4Y	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	5U	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	6M	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	6U	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	7E	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	7Q	65	PHE	N-CA-CB	-17.11	81.82	111.08
1	1A	18	PRO	O-C-N	17.11	145.73	122.64
1	1A	65	PHE	N-CA-CB	-17.11	81.83	111.08
1	1I	18	PRO	O-C-N	17.11	145.73	122.64
1	1I	65	PHE	N-CA-CB	-17.11	81.83	111.08
1	2E	18	PRO	O-C-N	17.11	145.73	122.64
1	2E	65	PHE	N-CA-CB	-17.11	81.83	111.08
1	26	18	PRO	O-C-N	17.11	145.73	122.64
1	26	65	PHE	N-CA-CB	-17.11	81.83	111.08
1	3E	18	PRO	O-C-N	17.11	145.73	122.64
1	3E	65	PHE	N-CA-CB	-17.11	81.83	111.08
1	4A	18	PRO	O-C-N	17.11	145.73	122.64
1	4A	65	PHE	N-CA-CB	-17.11	81.83	111.08
1	4M	18	PRO	O-C-N	17.11	145.73	122.64
1	4M	65	PHE	N-CA-CB	-17.11	81.83	111.08
1	4U	18	PRO	O-C-N	17.11	145.73	122.64
1	4U	65	PHE	N-CA-CB	-17.11	81.83	111.08
1	5Q	18	PRO	O-C-N	17.11	145.73	122.64
1	5Q	65	PHE	N-CA-CB	-17.11	81.83	111.08
1	6I	18	PRO	O-C-N	17.11	145.73	122.64
1	6I	65	PHE	N-CA-CB	-17.11	81.83	111.08
1	6Q	18	PRO	O-C-N	17.11	145.73	122.64
1	6Q	65	PHE	N-CA-CB	-17.11	81.83	111.08
1	7M	18	PRO	O-C-N	17.11	145.73	122.64
1	7M	65	PHE	N-CA-CB	-17.11	81.83	111.08
1	1M	18	PRO	O-C-N	17.10	145.73	122.64
1	1Q	147	ARG	NE-CZ-NH1	-17.10	104.40	121.50
1	1U	147	ARG	NE-CZ-NH1	-17.10	104.40	121.50
1	1Y	147	ARG	NE-CZ-NH1	-17.10	104.40	121.50
1	2I	18	PRO	O-C-N	17.10	145.73	122.64
1	2Q	147	ARG	NE-CZ-NH1	-17.10	104.40	121.50
1	2U	147	ARG	NE-CZ-NH1	-17.10	104.40	121.50
1	2Y	147	ARG	NE-CZ-NH1	-17.10	104.40	121.50
1	3A	18	PRO	O-C-N	17.10	145.73	122.64
1	3I	18	PRO	O-C-N	17.10	145.73	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	18	PRO	O-C-N	17.10	145.73	122.64
1	4E	18	PRO	O-C-N	17.10	145.73	122.64
1	4Y	18	PRO	O-C-N	17.10	145.73	122.64
1	42	147	ARG	NE-CZ-NH1	-17.10	104.40	121.50
1	46	147	ARG	NE-CZ-NH1	-17.10	104.40	121.50
1	5A	147	ARG	NE-CZ-NH1	-17.10	104.40	121.50
1	5U	18	PRO	O-C-N	17.10	145.73	122.64
1	52	147	ARG	NE-CZ-NH1	-17.10	104.40	121.50
1	56	147	ARG	NE-CZ-NH1	-17.10	104.40	121.50
1	6A	147	ARG	NE-CZ-NH1	-17.10	104.40	121.50
1	6M	18	PRO	O-C-N	17.10	145.73	122.64
1	6U	18	PRO	O-C-N	17.10	145.73	122.64
1	7E	18	PRO	O-C-N	17.10	145.73	122.64
1	7Q	18	PRO	O-C-N	17.10	145.73	122.64
1	12	18	PRO	O-C-N	17.09	145.72	122.64
1	16	18	PRO	O-C-N	17.09	145.72	122.64
1	2A	18	PRO	O-C-N	17.09	145.72	122.64
1	3Q	18	PRO	O-C-N	17.09	145.72	122.64
1	3U	18	PRO	O-C-N	17.09	145.72	122.64
1	3Y	18	PRO	O-C-N	17.09	145.72	122.64
1	5E	18	PRO	O-C-N	17.09	145.72	122.64
1	5I	18	PRO	O-C-N	17.09	145.72	122.64
1	5M	18	PRO	O-C-N	17.09	145.72	122.64
1	62	18	PRO	O-C-N	17.09	145.72	122.64
1	66	18	PRO	O-C-N	17.09	145.72	122.64
1	7A	18	PRO	O-C-N	17.09	145.72	122.64
1	1Q	65	PHE	N-CA-CB	-17.09	81.85	111.08
1	1U	65	PHE	N-CA-CB	-17.09	81.85	111.08
1	1Y	65	PHE	N-CA-CB	-17.09	81.85	111.08
1	2Q	65	PHE	N-CA-CB	-17.09	81.85	111.08
1	2U	65	PHE	N-CA-CB	-17.09	81.85	111.08
1	2Y	65	PHE	N-CA-CB	-17.09	81.85	111.08
1	42	65	PHE	N-CA-CB	-17.09	81.85	111.08
1	46	65	PHE	N-CA-CB	-17.09	81.85	111.08
1	5A	65	PHE	N-CA-CB	-17.09	81.85	111.08
1	52	65	PHE	N-CA-CB	-17.09	81.85	111.08
1	56	65	PHE	N-CA-CB	-17.09	81.85	111.08
1	6A	65	PHE	N-CA-CB	-17.09	81.85	111.08
1	1E	18	PRO	O-C-N	17.09	145.71	122.64
1	2M	18	PRO	O-C-N	17.09	145.71	122.64
1	22	18	PRO	O-C-N	17.09	145.71	122.64
1	3M	18	PRO	O-C-N	17.09	145.71	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	18	PRO	O-C-N	17.09	145.71	122.64
1	4I	18	PRO	O-C-N	17.09	145.71	122.64
1	4Q	18	PRO	O-C-N	17.09	145.71	122.64
1	5Y	18	PRO	O-C-N	17.09	145.71	122.64
1	6E	18	PRO	O-C-N	17.09	145.71	122.64
1	6Y	18	PRO	O-C-N	17.09	145.71	122.64
1	7I	18	PRO	O-C-N	17.09	145.71	122.64
1	7U	18	PRO	O-C-N	17.09	145.71	122.64
1	1Q	82	ARG	NE-CZ-NH2	-17.09	103.82	119.20
1	1U	82	ARG	NE-CZ-NH2	-17.09	103.82	119.20
1	1Y	82	ARG	NE-CZ-NH2	-17.09	103.82	119.20
1	2Q	82	ARG	NE-CZ-NH2	-17.09	103.82	119.20
1	2U	82	ARG	NE-CZ-NH2	-17.09	103.82	119.20
1	2Y	82	ARG	NE-CZ-NH2	-17.09	103.82	119.20
1	42	82	ARG	NE-CZ-NH2	-17.09	103.82	119.20
1	46	82	ARG	NE-CZ-NH2	-17.09	103.82	119.20
1	5A	82	ARG	NE-CZ-NH2	-17.09	103.82	119.20
1	52	82	ARG	NE-CZ-NH2	-17.09	103.82	119.20
1	56	82	ARG	NE-CZ-NH2	-17.09	103.82	119.20
1	6A	82	ARG	NE-CZ-NH2	-17.09	103.82	119.20
1	1A	82	ARG	NE-CZ-NH2	-17.07	103.84	119.20
1	1I	82	ARG	NE-CZ-NH2	-17.07	103.84	119.20
1	2E	82	ARG	NE-CZ-NH2	-17.07	103.84	119.20
1	26	82	ARG	NE-CZ-NH2	-17.07	103.84	119.20
1	3E	82	ARG	NE-CZ-NH2	-17.07	103.84	119.20
1	4A	82	ARG	NE-CZ-NH2	-17.07	103.84	119.20
1	4M	82	ARG	NE-CZ-NH2	-17.07	103.84	119.20
1	4U	82	ARG	NE-CZ-NH2	-17.07	103.84	119.20
1	5Q	82	ARG	NE-CZ-NH2	-17.07	103.84	119.20
1	6I	82	ARG	NE-CZ-NH2	-17.07	103.84	119.20
1	6Q	82	ARG	NE-CZ-NH2	-17.07	103.84	119.20
1	7M	82	ARG	NE-CZ-NH2	-17.07	103.84	119.20
1	12	82	ARG	NE-CZ-NH2	-17.06	103.85	119.20
1	16	82	ARG	NE-CZ-NH2	-17.06	103.85	119.20
1	2A	82	ARG	NE-CZ-NH2	-17.06	103.85	119.20
1	3Q	82	ARG	NE-CZ-NH2	-17.06	103.85	119.20
1	3U	82	ARG	NE-CZ-NH2	-17.06	103.85	119.20
1	3Y	82	ARG	NE-CZ-NH2	-17.06	103.85	119.20
1	5E	82	ARG	NE-CZ-NH2	-17.06	103.85	119.20
1	5I	82	ARG	NE-CZ-NH2	-17.06	103.85	119.20
1	5M	82	ARG	NE-CZ-NH2	-17.06	103.85	119.20
1	62	82	ARG	NE-CZ-NH2	-17.06	103.85	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	82	ARG	NE-CZ-NH2	-17.06	103.85	119.20
1	7A	82	ARG	NE-CZ-NH2	-17.06	103.85	119.20
2	1R	31	PHE	CA-C-O	-17.05	96.13	120.51
2	1V	31	PHE	CA-C-O	-17.05	96.13	120.51
2	1Z	31	PHE	CA-C-O	-17.05	96.13	120.51
2	2R	31	PHE	CA-C-O	-17.05	96.13	120.51
2	2V	31	PHE	CA-C-O	-17.05	96.13	120.51
2	2Z	31	PHE	CA-C-O	-17.05	96.13	120.51
2	43	31	PHE	CA-C-O	-17.05	96.13	120.51
2	47	31	PHE	CA-C-O	-17.05	96.13	120.51
2	5B	31	PHE	CA-C-O	-17.05	96.13	120.51
2	53	31	PHE	CA-C-O	-17.05	96.13	120.51
2	57	31	PHE	CA-C-O	-17.05	96.13	120.51
2	6B	31	PHE	CA-C-O	-17.05	96.13	120.51
2	13	31	PHE	CA-C-O	-17.04	96.14	120.51
2	17	31	PHE	CA-C-O	-17.04	96.14	120.51
2	2B	31	PHE	CA-C-O	-17.04	96.14	120.51
2	3R	31	PHE	CA-C-O	-17.04	96.14	120.51
2	3V	31	PHE	CA-C-O	-17.04	96.14	120.51
2	3Z	31	PHE	CA-C-O	-17.04	96.14	120.51
2	5F	31	PHE	CA-C-O	-17.04	96.14	120.51
2	5J	31	PHE	CA-C-O	-17.04	96.14	120.51
2	5N	31	PHE	CA-C-O	-17.04	96.14	120.51
2	63	31	PHE	CA-C-O	-17.04	96.14	120.51
2	67	31	PHE	CA-C-O	-17.04	96.14	120.51
2	7B	31	PHE	CA-C-O	-17.04	96.14	120.51
2	1B	31	PHE	CA-C-O	-17.04	96.15	120.51
1	1E	82	ARG	NE-CZ-NH2	-17.04	103.87	119.20
2	1J	31	PHE	CA-C-O	-17.04	96.15	120.51
2	2F	31	PHE	CA-C-O	-17.04	96.15	120.51
1	2M	82	ARG	NE-CZ-NH2	-17.04	103.87	119.20
1	22	82	ARG	NE-CZ-NH2	-17.04	103.87	119.20
2	27	31	PHE	CA-C-O	-17.04	96.15	120.51
2	3F	31	PHE	CA-C-O	-17.04	96.15	120.51
1	3M	82	ARG	NE-CZ-NH2	-17.04	103.87	119.20
1	36	82	ARG	NE-CZ-NH2	-17.04	103.87	119.20
2	4B	31	PHE	CA-C-O	-17.04	96.15	120.51
1	4I	82	ARG	NE-CZ-NH2	-17.04	103.87	119.20
2	4N	31	PHE	CA-C-O	-17.04	96.15	120.51
1	4Q	82	ARG	NE-CZ-NH2	-17.04	103.87	119.20
2	4V	31	PHE	CA-C-O	-17.04	96.15	120.51
2	5R	31	PHE	CA-C-O	-17.04	96.15	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	82	ARG	NE-CZ-NH2	-17.04	103.87	119.20
1	6E	82	ARG	NE-CZ-NH2	-17.04	103.87	119.20
2	6J	31	PHE	CA-C-O	-17.04	96.15	120.51
2	6R	31	PHE	CA-C-O	-17.04	96.15	120.51
1	6Y	82	ARG	NE-CZ-NH2	-17.04	103.87	119.20
1	7I	82	ARG	NE-CZ-NH2	-17.04	103.87	119.20
2	7N	31	PHE	CA-C-O	-17.04	96.15	120.51
1	7U	82	ARG	NE-CZ-NH2	-17.04	103.87	119.20
2	1N	31	PHE	CA-C-O	-17.03	96.16	120.51
2	2J	31	PHE	CA-C-O	-17.03	96.16	120.51
2	3B	31	PHE	CA-C-O	-17.03	96.16	120.51
2	3J	31	PHE	CA-C-O	-17.03	96.16	120.51
2	33	31	PHE	CA-C-O	-17.03	96.16	120.51
2	4F	31	PHE	CA-C-O	-17.03	96.16	120.51
2	4Z	31	PHE	CA-C-O	-17.03	96.16	120.51
2	5V	31	PHE	CA-C-O	-17.03	96.16	120.51
2	6N	31	PHE	CA-C-O	-17.03	96.16	120.51
2	6V	31	PHE	CA-C-O	-17.03	96.16	120.51
2	7F	31	PHE	CA-C-O	-17.03	96.16	120.51
2	7R	31	PHE	CA-C-O	-17.03	96.16	120.51
1	1M	82	ARG	NE-CZ-NH2	-17.03	103.87	119.20
1	2I	82	ARG	NE-CZ-NH2	-17.03	103.87	119.20
1	3A	82	ARG	NE-CZ-NH2	-17.03	103.87	119.20
1	3I	82	ARG	NE-CZ-NH2	-17.03	103.87	119.20
1	32	82	ARG	NE-CZ-NH2	-17.03	103.87	119.20
1	4E	82	ARG	NE-CZ-NH2	-17.03	103.87	119.20
1	4Y	82	ARG	NE-CZ-NH2	-17.03	103.87	119.20
1	5U	82	ARG	NE-CZ-NH2	-17.03	103.87	119.20
1	6M	82	ARG	NE-CZ-NH2	-17.03	103.87	119.20
1	6U	82	ARG	NE-CZ-NH2	-17.03	103.87	119.20
1	7E	82	ARG	NE-CZ-NH2	-17.03	103.87	119.20
1	7Q	82	ARG	NE-CZ-NH2	-17.03	103.87	119.20
1	1A	29	TYR	CD1-CG-CD2	17.02	143.64	118.10
1	1I	29	TYR	CD1-CG-CD2	17.02	143.64	118.10
1	2E	29	TYR	CD1-CG-CD2	17.02	143.64	118.10
1	26	29	TYR	CD1-CG-CD2	17.02	143.64	118.10
1	3E	29	TYR	CD1-CG-CD2	17.02	143.64	118.10
1	4A	29	TYR	CD1-CG-CD2	17.02	143.64	118.10
1	4M	29	TYR	CD1-CG-CD2	17.02	143.64	118.10
1	4U	29	TYR	CD1-CG-CD2	17.02	143.64	118.10
1	5Q	29	TYR	CD1-CG-CD2	17.02	143.64	118.10
1	6I	29	TYR	CD1-CG-CD2	17.02	143.64	118.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	29	TYR	CD1-CG-CD2	17.02	143.64	118.10
1	7M	29	TYR	CD1-CG-CD2	17.02	143.64	118.10
1	12	29	TYR	CD1-CG-CD2	17.02	143.63	118.10
1	16	29	TYR	CD1-CG-CD2	17.02	143.63	118.10
1	2A	29	TYR	CD1-CG-CD2	17.02	143.63	118.10
1	3Q	29	TYR	CD1-CG-CD2	17.02	143.63	118.10
1	3U	29	TYR	CD1-CG-CD2	17.02	143.63	118.10
1	3Y	29	TYR	CD1-CG-CD2	17.02	143.63	118.10
1	5E	29	TYR	CD1-CG-CD2	17.02	143.63	118.10
1	5I	29	TYR	CD1-CG-CD2	17.02	143.63	118.10
1	5M	29	TYR	CD1-CG-CD2	17.02	143.63	118.10
1	62	29	TYR	CD1-CG-CD2	17.02	143.63	118.10
1	66	29	TYR	CD1-CG-CD2	17.02	143.63	118.10
1	7A	29	TYR	CD1-CG-CD2	17.02	143.63	118.10
1	1Q	29	TYR	CD1-CG-CD2	17.02	143.62	118.10
1	1U	29	TYR	CD1-CG-CD2	17.02	143.62	118.10
1	1Y	29	TYR	CD1-CG-CD2	17.02	143.62	118.10
1	2Q	29	TYR	CD1-CG-CD2	17.02	143.62	118.10
1	2U	29	TYR	CD1-CG-CD2	17.02	143.62	118.10
1	2Y	29	TYR	CD1-CG-CD2	17.02	143.62	118.10
1	42	29	TYR	CD1-CG-CD2	17.02	143.62	118.10
1	46	29	TYR	CD1-CG-CD2	17.02	143.62	118.10
1	5A	29	TYR	CD1-CG-CD2	17.02	143.62	118.10
1	52	29	TYR	CD1-CG-CD2	17.02	143.62	118.10
1	56	29	TYR	CD1-CG-CD2	17.02	143.62	118.10
1	6A	29	TYR	CD1-CG-CD2	17.02	143.62	118.10
1	1E	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	1M	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	2I	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	2M	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	22	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	3A	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	3I	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	3M	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	32	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	36	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	4E	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	4I	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	4Q	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	4Y	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	5U	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	5Y	29	TYR	CD1-CG-CD2	17.01	143.62	118.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6E	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	6M	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	6U	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	6Y	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	7E	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	7I	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	7Q	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
1	7U	29	TYR	CD1-CG-CD2	17.01	143.62	118.10
2	1F	31	PHE	CA-C-O	-17.01	96.19	120.51
2	2N	31	PHE	CA-C-O	-17.01	96.19	120.51
2	23	31	PHE	CA-C-O	-17.01	96.19	120.51
2	3N	31	PHE	CA-C-O	-17.01	96.19	120.51
2	37	31	PHE	CA-C-O	-17.01	96.19	120.51
2	4J	31	PHE	CA-C-O	-17.01	96.19	120.51
2	4R	31	PHE	CA-C-O	-17.01	96.19	120.51
2	5Z	31	PHE	CA-C-O	-17.01	96.19	120.51
2	6F	31	PHE	CA-C-O	-17.01	96.19	120.51
2	6Z	31	PHE	CA-C-O	-17.01	96.19	120.51
2	7J	31	PHE	CA-C-O	-17.01	96.19	120.51
2	7V	31	PHE	CA-C-O	-17.01	96.19	120.51
1	1M	17	THR	O-C-N	-16.98	101.79	121.32
1	2I	17	THR	O-C-N	-16.98	101.79	121.32
1	3A	17	THR	O-C-N	-16.98	101.79	121.32
1	3I	17	THR	O-C-N	-16.98	101.79	121.32
1	32	17	THR	O-C-N	-16.98	101.79	121.32
1	4E	17	THR	O-C-N	-16.98	101.79	121.32
1	4Y	17	THR	O-C-N	-16.98	101.79	121.32
1	5U	17	THR	O-C-N	-16.98	101.79	121.32
1	6M	17	THR	O-C-N	-16.98	101.79	121.32
1	6U	17	THR	O-C-N	-16.98	101.79	121.32
1	7E	17	THR	O-C-N	-16.98	101.79	121.32
1	7Q	17	THR	O-C-N	-16.98	101.79	121.32
1	1A	17	THR	O-C-N	-16.97	101.80	121.32
1	1I	17	THR	O-C-N	-16.97	101.80	121.32
1	2E	17	THR	O-C-N	-16.97	101.80	121.32
1	26	17	THR	O-C-N	-16.97	101.80	121.32
1	3E	17	THR	O-C-N	-16.97	101.80	121.32
1	4A	17	THR	O-C-N	-16.97	101.80	121.32
1	4M	17	THR	O-C-N	-16.97	101.80	121.32
1	4U	17	THR	O-C-N	-16.97	101.80	121.32
1	5Q	17	THR	O-C-N	-16.97	101.80	121.32
1	6I	17	THR	O-C-N	-16.97	101.80	121.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	17	THR	O-C-N	-16.97	101.80	121.32
1	7M	17	THR	O-C-N	-16.97	101.80	121.32
1	1Q	17	THR	O-C-N	-16.97	101.80	121.32
1	1U	17	THR	O-C-N	-16.97	101.80	121.32
1	1Y	17	THR	O-C-N	-16.97	101.80	121.32
1	2Q	17	THR	O-C-N	-16.97	101.80	121.32
1	2U	17	THR	O-C-N	-16.97	101.80	121.32
1	2Y	17	THR	O-C-N	-16.97	101.80	121.32
1	42	17	THR	O-C-N	-16.97	101.80	121.32
1	46	17	THR	O-C-N	-16.97	101.80	121.32
1	5A	17	THR	O-C-N	-16.97	101.80	121.32
1	52	17	THR	O-C-N	-16.97	101.80	121.32
1	56	17	THR	O-C-N	-16.97	101.80	121.32
1	6A	17	THR	O-C-N	-16.97	101.80	121.32
1	1E	17	THR	O-C-N	-16.96	101.82	121.32
1	2M	17	THR	O-C-N	-16.96	101.82	121.32
1	22	17	THR	O-C-N	-16.96	101.82	121.32
1	3M	17	THR	O-C-N	-16.96	101.82	121.32
1	36	17	THR	O-C-N	-16.96	101.82	121.32
1	4I	17	THR	O-C-N	-16.96	101.82	121.32
1	4Q	17	THR	O-C-N	-16.96	101.82	121.32
1	5Y	17	THR	O-C-N	-16.96	101.82	121.32
1	6E	17	THR	O-C-N	-16.96	101.82	121.32
1	6Y	17	THR	O-C-N	-16.96	101.82	121.32
1	7I	17	THR	O-C-N	-16.96	101.82	121.32
1	7U	17	THR	O-C-N	-16.96	101.82	121.32
1	12	17	THR	O-C-N	-16.94	101.83	121.32
1	16	17	THR	O-C-N	-16.94	101.83	121.32
1	2A	17	THR	O-C-N	-16.94	101.83	121.32
1	3Q	17	THR	O-C-N	-16.94	101.83	121.32
1	3U	17	THR	O-C-N	-16.94	101.83	121.32
1	3Y	17	THR	O-C-N	-16.94	101.83	121.32
1	5E	17	THR	O-C-N	-16.94	101.83	121.32
1	5I	17	THR	O-C-N	-16.94	101.83	121.32
1	5M	17	THR	O-C-N	-16.94	101.83	121.32
1	62	17	THR	O-C-N	-16.94	101.83	121.32
1	66	17	THR	O-C-N	-16.94	101.83	121.32
1	7A	17	THR	O-C-N	-16.94	101.83	121.32
2	1N	37	ASN	CA-CB-CG	-16.92	95.68	112.60
2	2J	37	ASN	CA-CB-CG	-16.92	95.68	112.60
2	3B	37	ASN	CA-CB-CG	-16.92	95.68	112.60
2	3J	37	ASN	CA-CB-CG	-16.92	95.68	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	37	ASN	CA-CB-CG	-16.92	95.68	112.60
2	4F	37	ASN	CA-CB-CG	-16.92	95.68	112.60
2	4Z	37	ASN	CA-CB-CG	-16.92	95.68	112.60
2	5V	37	ASN	CA-CB-CG	-16.92	95.68	112.60
2	6N	37	ASN	CA-CB-CG	-16.92	95.68	112.60
2	6V	37	ASN	CA-CB-CG	-16.92	95.68	112.60
2	7F	37	ASN	CA-CB-CG	-16.92	95.68	112.60
2	7R	37	ASN	CA-CB-CG	-16.92	95.68	112.60
2	1B	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	1J	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	2F	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	27	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	3F	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	4B	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	4N	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	4V	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	5R	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	6J	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	6R	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	7N	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	1F	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	2N	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	23	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	3N	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	37	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	4J	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	4R	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	5Z	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	6F	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	6Z	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	7J	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	7V	37	ASN	CA-CB-CG	-16.90	95.70	112.60
2	1R	37	ASN	CA-CB-CG	-16.89	95.71	112.60
2	1V	37	ASN	CA-CB-CG	-16.89	95.71	112.60
2	1Z	37	ASN	CA-CB-CG	-16.89	95.71	112.60
2	2R	37	ASN	CA-CB-CG	-16.89	95.71	112.60
2	2V	37	ASN	CA-CB-CG	-16.89	95.71	112.60
2	2Z	37	ASN	CA-CB-CG	-16.89	95.71	112.60
2	43	37	ASN	CA-CB-CG	-16.89	95.71	112.60
2	47	37	ASN	CA-CB-CG	-16.89	95.71	112.60
2	5B	37	ASN	CA-CB-CG	-16.89	95.71	112.60
2	53	37	ASN	CA-CB-CG	-16.89	95.71	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	37	ASN	CA-CB-CG	-16.89	95.71	112.60
2	6B	37	ASN	CA-CB-CG	-16.89	95.71	112.60
2	13	37	ASN	CA-CB-CG	-16.88	95.72	112.60
2	17	37	ASN	CA-CB-CG	-16.88	95.72	112.60
2	2B	37	ASN	CA-CB-CG	-16.88	95.72	112.60
2	3R	37	ASN	CA-CB-CG	-16.88	95.72	112.60
2	3V	37	ASN	CA-CB-CG	-16.88	95.72	112.60
2	3Z	37	ASN	CA-CB-CG	-16.88	95.72	112.60
2	5F	37	ASN	CA-CB-CG	-16.88	95.72	112.60
2	5J	37	ASN	CA-CB-CG	-16.88	95.72	112.60
2	5N	37	ASN	CA-CB-CG	-16.88	95.72	112.60
2	63	37	ASN	CA-CB-CG	-16.88	95.72	112.60
2	67	37	ASN	CA-CB-CG	-16.88	95.72	112.60
2	7B	37	ASN	CA-CB-CG	-16.88	95.72	112.60
2	13	42	HIS	ND1-CE1-NE2	16.85	125.25	108.40
2	17	42	HIS	ND1-CE1-NE2	16.85	125.25	108.40
2	2B	42	HIS	ND1-CE1-NE2	16.85	125.25	108.40
2	3R	42	HIS	ND1-CE1-NE2	16.85	125.25	108.40
2	3V	42	HIS	ND1-CE1-NE2	16.85	125.25	108.40
2	3Z	42	HIS	ND1-CE1-NE2	16.85	125.25	108.40
2	5F	42	HIS	ND1-CE1-NE2	16.85	125.25	108.40
2	5J	42	HIS	ND1-CE1-NE2	16.85	125.25	108.40
2	5N	42	HIS	ND1-CE1-NE2	16.85	125.25	108.40
2	63	42	HIS	ND1-CE1-NE2	16.85	125.25	108.40
2	67	42	HIS	ND1-CE1-NE2	16.85	125.25	108.40
2	7B	42	HIS	ND1-CE1-NE2	16.85	125.25	108.40
2	1R	42	HIS	ND1-CE1-NE2	16.84	125.24	108.40
2	1V	42	HIS	ND1-CE1-NE2	16.84	125.24	108.40
2	1Z	42	HIS	ND1-CE1-NE2	16.84	125.24	108.40
2	2R	42	HIS	ND1-CE1-NE2	16.84	125.24	108.40
2	2V	42	HIS	ND1-CE1-NE2	16.84	125.24	108.40
2	2Z	42	HIS	ND1-CE1-NE2	16.84	125.24	108.40
2	43	42	HIS	ND1-CE1-NE2	16.84	125.24	108.40
2	47	42	HIS	ND1-CE1-NE2	16.84	125.24	108.40
2	5B	42	HIS	ND1-CE1-NE2	16.84	125.24	108.40
2	53	42	HIS	ND1-CE1-NE2	16.84	125.24	108.40
2	57	42	HIS	ND1-CE1-NE2	16.84	125.24	108.40
2	6B	42	HIS	ND1-CE1-NE2	16.84	125.24	108.40
2	1F	42	HIS	ND1-CE1-NE2	16.83	125.23	108.40
2	2N	42	HIS	ND1-CE1-NE2	16.83	125.23	108.40
2	23	42	HIS	ND1-CE1-NE2	16.83	125.23	108.40
2	3N	42	HIS	ND1-CE1-NE2	16.83	125.23	108.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	42	HIS	ND1-CE1-NE2	16.83	125.23	108.40
2	4J	42	HIS	ND1-CE1-NE2	16.83	125.23	108.40
2	4R	42	HIS	ND1-CE1-NE2	16.83	125.23	108.40
2	5Z	42	HIS	ND1-CE1-NE2	16.83	125.23	108.40
2	6F	42	HIS	ND1-CE1-NE2	16.83	125.23	108.40
2	6Z	42	HIS	ND1-CE1-NE2	16.83	125.23	108.40
2	7J	42	HIS	ND1-CE1-NE2	16.83	125.23	108.40
2	7V	42	HIS	ND1-CE1-NE2	16.83	125.23	108.40
2	1B	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	1J	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	2F	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	27	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	3F	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	4B	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	4N	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	4V	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	5R	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	6J	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	6R	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	7N	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	1N	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	2J	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	3B	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	3J	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	33	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	4F	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	4Z	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	5V	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	6N	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	6V	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	7F	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	7R	42	HIS	ND1-CE1-NE2	16.82	125.22	108.40
2	1N	29	MET	CA-C-O	16.78	143.15	120.16
2	2J	29	MET	CA-C-O	16.78	143.15	120.16
2	3B	29	MET	CA-C-O	16.78	143.15	120.16
2	3J	29	MET	CA-C-O	16.78	143.15	120.16
2	33	29	MET	CA-C-O	16.78	143.15	120.16
2	4F	29	MET	CA-C-O	16.78	143.15	120.16
2	4Z	29	MET	CA-C-O	16.78	143.15	120.16
2	5V	29	MET	CA-C-O	16.78	143.15	120.16
2	6N	29	MET	CA-C-O	16.78	143.15	120.16
2	6V	29	MET	CA-C-O	16.78	143.15	120.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	29	MET	CA-C-O	16.78	143.15	120.16
2	7R	29	MET	CA-C-O	16.78	143.15	120.16
2	1B	29	MET	CA-C-O	16.78	143.14	120.16
2	1J	29	MET	CA-C-O	16.78	143.14	120.16
2	2F	29	MET	CA-C-O	16.78	143.14	120.16
2	27	29	MET	CA-C-O	16.78	143.14	120.16
2	3F	29	MET	CA-C-O	16.78	143.14	120.16
2	4B	29	MET	CA-C-O	16.78	143.14	120.16
2	4N	29	MET	CA-C-O	16.78	143.14	120.16
2	4V	29	MET	CA-C-O	16.78	143.14	120.16
2	5R	29	MET	CA-C-O	16.78	143.14	120.16
2	6J	29	MET	CA-C-O	16.78	143.14	120.16
2	6R	29	MET	CA-C-O	16.78	143.14	120.16
2	7N	29	MET	CA-C-O	16.78	143.14	120.16
2	13	29	MET	CA-C-O	16.77	143.14	120.16
2	17	29	MET	CA-C-O	16.77	143.14	120.16
2	2B	29	MET	CA-C-O	16.77	143.14	120.16
2	3R	29	MET	CA-C-O	16.77	143.14	120.16
2	3V	29	MET	CA-C-O	16.77	143.14	120.16
2	3Z	29	MET	CA-C-O	16.77	143.14	120.16
2	5F	29	MET	CA-C-O	16.77	143.14	120.16
2	5J	29	MET	CA-C-O	16.77	143.14	120.16
2	5N	29	MET	CA-C-O	16.77	143.14	120.16
2	63	29	MET	CA-C-O	16.77	143.14	120.16
2	67	29	MET	CA-C-O	16.77	143.14	120.16
2	7B	29	MET	CA-C-O	16.77	143.14	120.16
2	1B	24	PRO	CA-C-O	16.77	151.12	120.60
2	1J	24	PRO	CA-C-O	16.77	151.12	120.60
2	1N	24	PRO	CA-C-O	16.77	151.12	120.60
2	2F	24	PRO	CA-C-O	16.77	151.12	120.60
2	2J	24	PRO	CA-C-O	16.77	151.12	120.60
2	27	24	PRO	CA-C-O	16.77	151.12	120.60
2	3B	24	PRO	CA-C-O	16.77	151.12	120.60
2	3F	24	PRO	CA-C-O	16.77	151.12	120.60
2	3J	24	PRO	CA-C-O	16.77	151.12	120.60
2	33	24	PRO	CA-C-O	16.77	151.12	120.60
2	4B	24	PRO	CA-C-O	16.77	151.12	120.60
2	4F	24	PRO	CA-C-O	16.77	151.12	120.60
2	4N	24	PRO	CA-C-O	16.77	151.12	120.60
2	4V	24	PRO	CA-C-O	16.77	151.12	120.60
2	4Z	24	PRO	CA-C-O	16.77	151.12	120.60
2	5R	24	PRO	CA-C-O	16.77	151.12	120.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	24	PRO	CA-C-O	16.77	151.12	120.60
2	6J	24	PRO	CA-C-O	16.77	151.12	120.60
2	6N	24	PRO	CA-C-O	16.77	151.12	120.60
2	6R	24	PRO	CA-C-O	16.77	151.12	120.60
2	6V	24	PRO	CA-C-O	16.77	151.12	120.60
2	7F	24	PRO	CA-C-O	16.77	151.12	120.60
2	7N	24	PRO	CA-C-O	16.77	151.12	120.60
2	7R	24	PRO	CA-C-O	16.77	151.12	120.60
2	1F	24	PRO	CA-C-O	16.77	151.12	120.60
2	1F	29	MET	CA-C-O	16.77	143.13	120.16
2	2N	24	PRO	CA-C-O	16.77	151.12	120.60
2	2N	29	MET	CA-C-O	16.77	143.13	120.16
2	23	24	PRO	CA-C-O	16.77	151.12	120.60
2	23	29	MET	CA-C-O	16.77	143.13	120.16
2	3N	24	PRO	CA-C-O	16.77	151.12	120.60
2	3N	29	MET	CA-C-O	16.77	143.13	120.16
2	37	24	PRO	CA-C-O	16.77	151.12	120.60
2	37	29	MET	CA-C-O	16.77	143.13	120.16
2	4J	24	PRO	CA-C-O	16.77	151.12	120.60
2	4J	29	MET	CA-C-O	16.77	143.13	120.16
2	4R	24	PRO	CA-C-O	16.77	151.12	120.60
2	4R	29	MET	CA-C-O	16.77	143.13	120.16
2	5Z	24	PRO	CA-C-O	16.77	151.12	120.60
2	5Z	29	MET	CA-C-O	16.77	143.13	120.16
2	6F	24	PRO	CA-C-O	16.77	151.12	120.60
2	6F	29	MET	CA-C-O	16.77	143.13	120.16
2	6Z	24	PRO	CA-C-O	16.77	151.12	120.60
2	6Z	29	MET	CA-C-O	16.77	143.13	120.16
2	7J	24	PRO	CA-C-O	16.77	151.12	120.60
2	7J	29	MET	CA-C-O	16.77	143.13	120.16
2	7V	24	PRO	CA-C-O	16.77	151.12	120.60
2	7V	29	MET	CA-C-O	16.77	143.13	120.16
2	13	24	PRO	CA-C-O	16.76	151.10	120.60
2	17	24	PRO	CA-C-O	16.76	151.10	120.60
2	2B	24	PRO	CA-C-O	16.76	151.10	120.60
2	3R	24	PRO	CA-C-O	16.76	151.10	120.60
2	3V	24	PRO	CA-C-O	16.76	151.10	120.60
2	3Z	24	PRO	CA-C-O	16.76	151.10	120.60
2	5F	24	PRO	CA-C-O	16.76	151.10	120.60
2	5J	24	PRO	CA-C-O	16.76	151.10	120.60
2	5N	24	PRO	CA-C-O	16.76	151.10	120.60
2	63	24	PRO	CA-C-O	16.76	151.10	120.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	24	PRO	CA-C-O	16.76	151.10	120.60
2	7B	24	PRO	CA-C-O	16.76	151.10	120.60
2	1R	29	MET	CA-C-O	16.75	143.11	120.16
2	1V	29	MET	CA-C-O	16.75	143.11	120.16
2	1Z	29	MET	CA-C-O	16.75	143.11	120.16
2	2R	29	MET	CA-C-O	16.75	143.11	120.16
2	2V	29	MET	CA-C-O	16.75	143.11	120.16
2	2Z	29	MET	CA-C-O	16.75	143.11	120.16
2	43	29	MET	CA-C-O	16.75	143.11	120.16
2	47	29	MET	CA-C-O	16.75	143.11	120.16
2	5B	29	MET	CA-C-O	16.75	143.11	120.16
2	53	29	MET	CA-C-O	16.75	143.11	120.16
2	57	29	MET	CA-C-O	16.75	143.11	120.16
2	6B	29	MET	CA-C-O	16.75	143.11	120.16
2	1R	225	ASN	CA-CB-CG	16.75	129.35	112.60
2	1V	225	ASN	CA-CB-CG	16.75	129.35	112.60
2	1Z	225	ASN	CA-CB-CG	16.75	129.35	112.60
2	2R	225	ASN	CA-CB-CG	16.75	129.35	112.60
2	2V	225	ASN	CA-CB-CG	16.75	129.35	112.60
2	2Z	225	ASN	CA-CB-CG	16.75	129.35	112.60
2	43	225	ASN	CA-CB-CG	16.75	129.35	112.60
2	47	225	ASN	CA-CB-CG	16.75	129.35	112.60
2	5B	225	ASN	CA-CB-CG	16.75	129.35	112.60
2	53	225	ASN	CA-CB-CG	16.75	129.35	112.60
2	57	225	ASN	CA-CB-CG	16.75	129.35	112.60
2	6B	225	ASN	CA-CB-CG	16.75	129.35	112.60
2	1R	24	PRO	CA-C-O	16.74	151.06	120.60
2	1V	24	PRO	CA-C-O	16.74	151.06	120.60
2	1Z	24	PRO	CA-C-O	16.74	151.06	120.60
2	13	225	ASN	CA-CB-CG	16.74	129.34	112.60
2	17	225	ASN	CA-CB-CG	16.74	129.34	112.60
2	2B	225	ASN	CA-CB-CG	16.74	129.34	112.60
2	2R	24	PRO	CA-C-O	16.74	151.06	120.60
2	2V	24	PRO	CA-C-O	16.74	151.06	120.60
2	2Z	24	PRO	CA-C-O	16.74	151.06	120.60
2	3R	225	ASN	CA-CB-CG	16.74	129.34	112.60
2	3V	225	ASN	CA-CB-CG	16.74	129.34	112.60
2	3Z	225	ASN	CA-CB-CG	16.74	129.34	112.60
2	43	24	PRO	CA-C-O	16.74	151.06	120.60
2	47	24	PRO	CA-C-O	16.74	151.06	120.60
2	5B	24	PRO	CA-C-O	16.74	151.06	120.60
2	5F	225	ASN	CA-CB-CG	16.74	129.34	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5J	225	ASN	CA-CB-CG	16.74	129.34	112.60
2	5N	225	ASN	CA-CB-CG	16.74	129.34	112.60
2	53	24	PRO	CA-C-O	16.74	151.06	120.60
2	57	24	PRO	CA-C-O	16.74	151.06	120.60
2	6B	24	PRO	CA-C-O	16.74	151.06	120.60
2	63	225	ASN	CA-CB-CG	16.74	129.34	112.60
2	67	225	ASN	CA-CB-CG	16.74	129.34	112.60
2	7B	225	ASN	CA-CB-CG	16.74	129.34	112.60
2	13	79	VAL	CB-CA-C	16.73	138.73	111.29
2	17	79	VAL	CB-CA-C	16.73	138.73	111.29
2	2B	79	VAL	CB-CA-C	16.73	138.73	111.29
2	3R	79	VAL	CB-CA-C	16.73	138.73	111.29
2	3V	79	VAL	CB-CA-C	16.73	138.73	111.29
2	3Z	79	VAL	CB-CA-C	16.73	138.73	111.29
2	5F	79	VAL	CB-CA-C	16.73	138.73	111.29
2	5J	79	VAL	CB-CA-C	16.73	138.73	111.29
2	5N	79	VAL	CB-CA-C	16.73	138.73	111.29
2	63	79	VAL	CB-CA-C	16.73	138.73	111.29
2	67	79	VAL	CB-CA-C	16.73	138.73	111.29
2	7B	79	VAL	CB-CA-C	16.73	138.73	111.29
2	1B	79	VAL	CB-CA-C	16.73	138.73	111.29
2	1J	79	VAL	CB-CA-C	16.73	138.73	111.29
2	1N	79	VAL	CB-CA-C	16.73	138.73	111.29
2	2F	79	VAL	CB-CA-C	16.73	138.73	111.29
2	2J	79	VAL	CB-CA-C	16.73	138.73	111.29
2	27	79	VAL	CB-CA-C	16.73	138.73	111.29
2	3B	79	VAL	CB-CA-C	16.73	138.73	111.29
2	3F	79	VAL	CB-CA-C	16.73	138.73	111.29
2	3J	79	VAL	CB-CA-C	16.73	138.73	111.29
2	33	79	VAL	CB-CA-C	16.73	138.73	111.29
2	4B	79	VAL	CB-CA-C	16.73	138.73	111.29
2	4F	79	VAL	CB-CA-C	16.73	138.73	111.29
2	4N	79	VAL	CB-CA-C	16.73	138.73	111.29
2	4V	79	VAL	CB-CA-C	16.73	138.73	111.29
2	4Z	79	VAL	CB-CA-C	16.73	138.73	111.29
2	5R	79	VAL	CB-CA-C	16.73	138.73	111.29
2	5V	79	VAL	CB-CA-C	16.73	138.73	111.29
2	6J	79	VAL	CB-CA-C	16.73	138.73	111.29
2	6N	79	VAL	CB-CA-C	16.73	138.73	111.29
2	6R	79	VAL	CB-CA-C	16.73	138.73	111.29
2	6V	79	VAL	CB-CA-C	16.73	138.73	111.29
2	7F	79	VAL	CB-CA-C	16.73	138.73	111.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	79	VAL	CB-CA-C	16.73	138.73	111.29
2	7R	79	VAL	CB-CA-C	16.73	138.73	111.29
2	1F	79	VAL	CB-CA-C	16.72	138.72	111.29
2	2N	79	VAL	CB-CA-C	16.72	138.72	111.29
2	23	79	VAL	CB-CA-C	16.72	138.72	111.29
2	3N	79	VAL	CB-CA-C	16.72	138.72	111.29
2	37	79	VAL	CB-CA-C	16.72	138.72	111.29
2	4J	79	VAL	CB-CA-C	16.72	138.72	111.29
2	4R	79	VAL	CB-CA-C	16.72	138.72	111.29
2	5Z	79	VAL	CB-CA-C	16.72	138.72	111.29
2	6F	79	VAL	CB-CA-C	16.72	138.72	111.29
2	6Z	79	VAL	CB-CA-C	16.72	138.72	111.29
2	7J	79	VAL	CB-CA-C	16.72	138.72	111.29
2	7V	79	VAL	CB-CA-C	16.72	138.72	111.29
2	1R	79	VAL	CB-CA-C	16.72	138.71	111.29
2	1V	79	VAL	CB-CA-C	16.72	138.71	111.29
2	1Z	79	VAL	CB-CA-C	16.72	138.71	111.29
2	2R	79	VAL	CB-CA-C	16.72	138.71	111.29
2	2V	79	VAL	CB-CA-C	16.72	138.71	111.29
2	2Z	79	VAL	CB-CA-C	16.72	138.71	111.29
2	43	79	VAL	CB-CA-C	16.72	138.71	111.29
2	47	79	VAL	CB-CA-C	16.72	138.71	111.29
2	5B	79	VAL	CB-CA-C	16.72	138.71	111.29
2	53	79	VAL	CB-CA-C	16.72	138.71	111.29
2	57	79	VAL	CB-CA-C	16.72	138.71	111.29
2	6B	79	VAL	CB-CA-C	16.72	138.71	111.29
1	1Q	50	ARG	NH1-CZ-NH2	16.71	141.03	119.30
1	1U	50	ARG	NH1-CZ-NH2	16.71	141.03	119.30
1	1Y	50	ARG	NH1-CZ-NH2	16.71	141.03	119.30
1	2Q	50	ARG	NH1-CZ-NH2	16.71	141.03	119.30
1	2U	50	ARG	NH1-CZ-NH2	16.71	141.03	119.30
1	2Y	50	ARG	NH1-CZ-NH2	16.71	141.03	119.30
1	42	50	ARG	NH1-CZ-NH2	16.71	141.03	119.30
1	46	50	ARG	NH1-CZ-NH2	16.71	141.03	119.30
1	5A	50	ARG	NH1-CZ-NH2	16.71	141.03	119.30
1	52	50	ARG	NH1-CZ-NH2	16.71	141.03	119.30
1	56	50	ARG	NH1-CZ-NH2	16.71	141.03	119.30
1	6A	50	ARG	NH1-CZ-NH2	16.71	141.03	119.30
2	1N	77	THR	O-C-N	16.71	143.63	121.74
2	2J	77	THR	O-C-N	16.71	143.63	121.74
2	3B	77	THR	O-C-N	16.71	143.63	121.74
2	3J	77	THR	O-C-N	16.71	143.63	121.74

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	77	THR	O-C-N	16.71	143.63	121.74
2	4F	77	THR	O-C-N	16.71	143.63	121.74
2	4Z	77	THR	O-C-N	16.71	143.63	121.74
2	5V	77	THR	O-C-N	16.71	143.63	121.74
2	6N	77	THR	O-C-N	16.71	143.63	121.74
2	6V	77	THR	O-C-N	16.71	143.63	121.74
2	7F	77	THR	O-C-N	16.71	143.63	121.74
2	7R	77	THR	O-C-N	16.71	143.63	121.74
2	1B	77	THR	O-C-N	16.71	143.62	121.74
2	1J	77	THR	O-C-N	16.71	143.62	121.74
2	2F	77	THR	O-C-N	16.71	143.62	121.74
2	27	77	THR	O-C-N	16.71	143.62	121.74
2	3F	77	THR	O-C-N	16.71	143.62	121.74
2	4B	77	THR	O-C-N	16.71	143.62	121.74
2	4N	77	THR	O-C-N	16.71	143.62	121.74
2	4V	77	THR	O-C-N	16.71	143.62	121.74
2	5R	77	THR	O-C-N	16.71	143.62	121.74
2	6J	77	THR	O-C-N	16.71	143.62	121.74
2	6R	77	THR	O-C-N	16.71	143.62	121.74
2	7N	77	THR	O-C-N	16.71	143.62	121.74
2	1F	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	2N	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	23	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	3N	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	37	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	4J	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	4R	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	5Z	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	6F	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	6Z	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	7J	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	7V	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	1B	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	1J	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	1R	77	THR	O-C-N	16.70	143.62	121.74
2	1V	77	THR	O-C-N	16.70	143.62	121.74
2	1Z	77	THR	O-C-N	16.70	143.62	121.74
2	2F	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	2R	77	THR	O-C-N	16.70	143.62	121.74
2	2V	77	THR	O-C-N	16.70	143.62	121.74
2	2Z	77	THR	O-C-N	16.70	143.62	121.74
2	27	225	ASN	CA-CB-CG	16.70	129.30	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	4B	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	4N	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	4V	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	43	77	THR	O-C-N	16.70	143.62	121.74
2	47	77	THR	O-C-N	16.70	143.62	121.74
2	5B	77	THR	O-C-N	16.70	143.62	121.74
2	5R	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	53	77	THR	O-C-N	16.70	143.62	121.74
2	57	77	THR	O-C-N	16.70	143.62	121.74
2	6B	77	THR	O-C-N	16.70	143.62	121.74
2	6J	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	6R	225	ASN	CA-CB-CG	16.70	129.30	112.60
2	7N	225	ASN	CA-CB-CG	16.70	129.30	112.60
1	1M	50	ARG	NH1-CZ-NH2	16.69	141.00	119.30
1	1M	78	SER	CA-CB-OG	-16.69	77.71	111.10
1	1M	149	THR	OG1-CB-CG2	-16.69	75.91	109.30
1	2I	50	ARG	NH1-CZ-NH2	16.69	141.00	119.30
1	2I	78	SER	CA-CB-OG	-16.69	77.71	111.10
1	2I	149	THR	OG1-CB-CG2	-16.69	75.91	109.30
1	3A	50	ARG	NH1-CZ-NH2	16.69	141.00	119.30
1	3A	78	SER	CA-CB-OG	-16.69	77.71	111.10
1	3A	149	THR	OG1-CB-CG2	-16.69	75.91	109.30
1	3I	50	ARG	NH1-CZ-NH2	16.69	141.00	119.30
1	3I	78	SER	CA-CB-OG	-16.69	77.71	111.10
1	3I	149	THR	OG1-CB-CG2	-16.69	75.91	109.30
1	32	50	ARG	NH1-CZ-NH2	16.69	141.00	119.30
1	32	78	SER	CA-CB-OG	-16.69	77.71	111.10
1	32	149	THR	OG1-CB-CG2	-16.69	75.91	109.30
1	4E	50	ARG	NH1-CZ-NH2	16.69	141.00	119.30
1	4E	78	SER	CA-CB-OG	-16.69	77.71	111.10
1	4E	149	THR	OG1-CB-CG2	-16.69	75.91	109.30
1	4Y	50	ARG	NH1-CZ-NH2	16.69	141.00	119.30
1	4Y	78	SER	CA-CB-OG	-16.69	77.71	111.10
1	4Y	149	THR	OG1-CB-CG2	-16.69	75.91	109.30
1	5U	50	ARG	NH1-CZ-NH2	16.69	141.00	119.30
1	5U	78	SER	CA-CB-OG	-16.69	77.71	111.10
1	5U	149	THR	OG1-CB-CG2	-16.69	75.91	109.30
1	6M	50	ARG	NH1-CZ-NH2	16.69	141.00	119.30
1	6M	78	SER	CA-CB-OG	-16.69	77.71	111.10
1	6M	149	THR	OG1-CB-CG2	-16.69	75.91	109.30
1	6U	50	ARG	NH1-CZ-NH2	16.69	141.00	119.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6U	78	SER	CA-CB-OG	-16.69	77.71	111.10
1	6U	149	THR	OG1-CB-CG2	-16.69	75.91	109.30
1	7E	50	ARG	NH1-CZ-NH2	16.69	141.00	119.30
1	7E	78	SER	CA-CB-OG	-16.69	77.71	111.10
1	7E	149	THR	OG1-CB-CG2	-16.69	75.91	109.30
1	7Q	50	ARG	NH1-CZ-NH2	16.69	141.00	119.30
1	7Q	78	SER	CA-CB-OG	-16.69	77.71	111.10
1	7Q	149	THR	OG1-CB-CG2	-16.69	75.91	109.30
1	1A	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	1I	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	2E	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	26	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	3E	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	4A	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	4M	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	4U	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	5Q	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	6I	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	6Q	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	7M	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	1A	149	THR	OG1-CB-CG2	-16.69	75.92	109.30
1	1I	149	THR	OG1-CB-CG2	-16.69	75.92	109.30
1	1Q	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	1U	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	1Y	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	2E	149	THR	OG1-CB-CG2	-16.69	75.92	109.30
1	2Q	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	2U	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	2Y	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	26	149	THR	OG1-CB-CG2	-16.69	75.92	109.30
1	3E	149	THR	OG1-CB-CG2	-16.69	75.92	109.30
1	4A	149	THR	OG1-CB-CG2	-16.69	75.92	109.30
1	4M	149	THR	OG1-CB-CG2	-16.69	75.92	109.30
1	4U	149	THR	OG1-CB-CG2	-16.69	75.92	109.30
1	42	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	46	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	5A	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	5Q	149	THR	OG1-CB-CG2	-16.69	75.92	109.30
1	52	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	56	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	6A	78	SER	CA-CB-OG	-16.69	77.72	111.10
1	6I	149	THR	OG1-CB-CG2	-16.69	75.92	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	149	THR	OG1-CB-CG2	-16.69	75.92	109.30
1	7M	149	THR	OG1-CB-CG2	-16.69	75.92	109.30
2	1N	225	ASN	CA-CB-CG	16.69	129.29	112.60
2	2J	225	ASN	CA-CB-CG	16.69	129.29	112.60
2	3B	225	ASN	CA-CB-CG	16.69	129.29	112.60
2	3J	225	ASN	CA-CB-CG	16.69	129.29	112.60
2	33	225	ASN	CA-CB-CG	16.69	129.29	112.60
2	4F	225	ASN	CA-CB-CG	16.69	129.29	112.60
2	4Z	225	ASN	CA-CB-CG	16.69	129.29	112.60
2	5V	225	ASN	CA-CB-CG	16.69	129.29	112.60
2	6N	225	ASN	CA-CB-CG	16.69	129.29	112.60
2	6V	225	ASN	CA-CB-CG	16.69	129.29	112.60
2	7F	225	ASN	CA-CB-CG	16.69	129.29	112.60
2	7R	225	ASN	CA-CB-CG	16.69	129.29	112.60
1	12	50	ARG	NH1-CZ-NH2	16.69	140.99	119.30
2	13	77	THR	O-C-N	16.69	143.60	121.74
1	16	50	ARG	NH1-CZ-NH2	16.69	140.99	119.30
2	17	77	THR	O-C-N	16.69	143.60	121.74
1	2A	50	ARG	NH1-CZ-NH2	16.69	140.99	119.30
2	2B	77	THR	O-C-N	16.69	143.60	121.74
1	3Q	50	ARG	NH1-CZ-NH2	16.69	140.99	119.30
2	3R	77	THR	O-C-N	16.69	143.60	121.74
1	3U	50	ARG	NH1-CZ-NH2	16.69	140.99	119.30
2	3V	77	THR	O-C-N	16.69	143.60	121.74
1	3Y	50	ARG	NH1-CZ-NH2	16.69	140.99	119.30
2	3Z	77	THR	O-C-N	16.69	143.60	121.74
1	5E	50	ARG	NH1-CZ-NH2	16.69	140.99	119.30
2	5F	77	THR	O-C-N	16.69	143.60	121.74
1	5I	50	ARG	NH1-CZ-NH2	16.69	140.99	119.30
2	5J	77	THR	O-C-N	16.69	143.60	121.74
1	5M	50	ARG	NH1-CZ-NH2	16.69	140.99	119.30
2	5N	77	THR	O-C-N	16.69	143.60	121.74
1	62	50	ARG	NH1-CZ-NH2	16.69	140.99	119.30
2	63	77	THR	O-C-N	16.69	143.60	121.74
1	66	50	ARG	NH1-CZ-NH2	16.69	140.99	119.30
2	67	77	THR	O-C-N	16.69	143.60	121.74
1	7A	50	ARG	NH1-CZ-NH2	16.69	140.99	119.30
2	7B	77	THR	O-C-N	16.69	143.60	121.74
1	1A	15	SER	N-CA-C	-16.68	85.93	109.95
1	1A	167	GLY	CA-C-N	-16.68	89.68	121.54
1	1A	167	GLY	C-N-CA	-16.68	89.68	121.54
1	1I	15	SER	N-CA-C	-16.68	85.93	109.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1I	167	GLY	CA-C-N	-16.68	89.68	121.54
1	1I	167	GLY	C-N-CA	-16.68	89.68	121.54
1	1Q	149	THR	OG1-CB-CG2	-16.68	75.94	109.30
1	1U	149	THR	OG1-CB-CG2	-16.68	75.94	109.30
1	1Y	149	THR	OG1-CB-CG2	-16.68	75.94	109.30
1	2E	15	SER	N-CA-C	-16.68	85.93	109.95
1	2E	167	GLY	CA-C-N	-16.68	89.68	121.54
1	2E	167	GLY	C-N-CA	-16.68	89.68	121.54
1	2Q	149	THR	OG1-CB-CG2	-16.68	75.94	109.30
1	2U	149	THR	OG1-CB-CG2	-16.68	75.94	109.30
1	2Y	149	THR	OG1-CB-CG2	-16.68	75.94	109.30
1	26	15	SER	N-CA-C	-16.68	85.93	109.95
1	26	167	GLY	CA-C-N	-16.68	89.68	121.54
1	26	167	GLY	C-N-CA	-16.68	89.68	121.54
1	3E	15	SER	N-CA-C	-16.68	85.93	109.95
1	3E	167	GLY	CA-C-N	-16.68	89.68	121.54
1	3E	167	GLY	C-N-CA	-16.68	89.68	121.54
1	4A	15	SER	N-CA-C	-16.68	85.93	109.95
1	4A	167	GLY	CA-C-N	-16.68	89.68	121.54
1	4A	167	GLY	C-N-CA	-16.68	89.68	121.54
1	4M	15	SER	N-CA-C	-16.68	85.93	109.95
1	4M	167	GLY	CA-C-N	-16.68	89.68	121.54
1	4M	167	GLY	C-N-CA	-16.68	89.68	121.54
1	4U	15	SER	N-CA-C	-16.68	85.93	109.95
1	4U	167	GLY	CA-C-N	-16.68	89.68	121.54
1	4U	167	GLY	C-N-CA	-16.68	89.68	121.54
1	42	149	THR	OG1-CB-CG2	-16.68	75.94	109.30
1	46	149	THR	OG1-CB-CG2	-16.68	75.94	109.30
1	5A	149	THR	OG1-CB-CG2	-16.68	75.94	109.30
1	5Q	15	SER	N-CA-C	-16.68	85.93	109.95
1	5Q	167	GLY	CA-C-N	-16.68	89.68	121.54
1	5Q	167	GLY	C-N-CA	-16.68	89.68	121.54
1	52	149	THR	OG1-CB-CG2	-16.68	75.94	109.30
1	56	149	THR	OG1-CB-CG2	-16.68	75.94	109.30
1	6A	149	THR	OG1-CB-CG2	-16.68	75.94	109.30
1	6I	15	SER	N-CA-C	-16.68	85.93	109.95
1	6I	167	GLY	CA-C-N	-16.68	89.68	121.54
1	6I	167	GLY	C-N-CA	-16.68	89.68	121.54
1	6Q	15	SER	N-CA-C	-16.68	85.93	109.95
1	6Q	167	GLY	CA-C-N	-16.68	89.68	121.54
1	6Q	167	GLY	C-N-CA	-16.68	89.68	121.54
1	7M	15	SER	N-CA-C	-16.68	85.93	109.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	167	GLY	CA-C-N	-16.68	89.68	121.54
1	7M	167	GLY	C-N-CA	-16.68	89.68	121.54
1	12	15	SER	N-CA-C	-16.68	85.93	109.95
1	16	15	SER	N-CA-C	-16.68	85.93	109.95
1	2A	15	SER	N-CA-C	-16.68	85.93	109.95
1	3Q	15	SER	N-CA-C	-16.68	85.93	109.95
1	3U	15	SER	N-CA-C	-16.68	85.93	109.95
1	3Y	15	SER	N-CA-C	-16.68	85.93	109.95
1	5E	15	SER	N-CA-C	-16.68	85.93	109.95
1	5I	15	SER	N-CA-C	-16.68	85.93	109.95
1	5M	15	SER	N-CA-C	-16.68	85.93	109.95
1	62	15	SER	N-CA-C	-16.68	85.93	109.95
1	66	15	SER	N-CA-C	-16.68	85.93	109.95
1	7A	15	SER	N-CA-C	-16.68	85.93	109.95
1	1E	50	ARG	NH1-CZ-NH2	16.68	140.98	119.30
1	12	78	SER	CA-CB-OG	-16.68	77.74	111.10
1	16	78	SER	CA-CB-OG	-16.68	77.74	111.10
1	2A	78	SER	CA-CB-OG	-16.68	77.74	111.10
1	2M	50	ARG	NH1-CZ-NH2	16.68	140.98	119.30
1	22	50	ARG	NH1-CZ-NH2	16.68	140.98	119.30
1	3M	50	ARG	NH1-CZ-NH2	16.68	140.98	119.30
1	3Q	78	SER	CA-CB-OG	-16.68	77.74	111.10
1	3U	78	SER	CA-CB-OG	-16.68	77.74	111.10
1	3Y	78	SER	CA-CB-OG	-16.68	77.74	111.10
1	36	50	ARG	NH1-CZ-NH2	16.68	140.98	119.30
1	4I	50	ARG	NH1-CZ-NH2	16.68	140.98	119.30
1	4Q	50	ARG	NH1-CZ-NH2	16.68	140.98	119.30
1	5E	78	SER	CA-CB-OG	-16.68	77.74	111.10
1	5I	78	SER	CA-CB-OG	-16.68	77.74	111.10
1	5M	78	SER	CA-CB-OG	-16.68	77.74	111.10
1	5Y	50	ARG	NH1-CZ-NH2	16.68	140.98	119.30
1	6E	50	ARG	NH1-CZ-NH2	16.68	140.98	119.30
1	6Y	50	ARG	NH1-CZ-NH2	16.68	140.98	119.30
1	62	78	SER	CA-CB-OG	-16.68	77.74	111.10
1	66	78	SER	CA-CB-OG	-16.68	77.74	111.10
1	7A	78	SER	CA-CB-OG	-16.68	77.74	111.10
1	7I	50	ARG	NH1-CZ-NH2	16.68	140.98	119.30
1	7U	50	ARG	NH1-CZ-NH2	16.68	140.98	119.30
1	1E	167	GLY	CA-C-N	-16.68	89.69	121.54
1	1E	167	GLY	C-N-CA	-16.68	89.69	121.54
1	1Q	167	GLY	CA-C-N	-16.68	89.69	121.54
1	1Q	167	GLY	C-N-CA	-16.68	89.69	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1U	167	GLY	CA-C-N	-16.68	89.69	121.54
1	1U	167	GLY	C-N-CA	-16.68	89.69	121.54
1	1Y	167	GLY	CA-C-N	-16.68	89.69	121.54
1	1Y	167	GLY	C-N-CA	-16.68	89.69	121.54
1	2M	167	GLY	CA-C-N	-16.68	89.69	121.54
1	2M	167	GLY	C-N-CA	-16.68	89.69	121.54
1	2Q	167	GLY	CA-C-N	-16.68	89.69	121.54
1	2Q	167	GLY	C-N-CA	-16.68	89.69	121.54
1	2U	167	GLY	CA-C-N	-16.68	89.69	121.54
1	2U	167	GLY	C-N-CA	-16.68	89.69	121.54
1	2Y	167	GLY	CA-C-N	-16.68	89.69	121.54
1	2Y	167	GLY	C-N-CA	-16.68	89.69	121.54
1	22	167	GLY	CA-C-N	-16.68	89.69	121.54
1	22	167	GLY	C-N-CA	-16.68	89.69	121.54
1	3M	167	GLY	CA-C-N	-16.68	89.69	121.54
1	3M	167	GLY	C-N-CA	-16.68	89.69	121.54
1	36	167	GLY	CA-C-N	-16.68	89.69	121.54
1	36	167	GLY	C-N-CA	-16.68	89.69	121.54
1	4I	167	GLY	CA-C-N	-16.68	89.69	121.54
1	4I	167	GLY	C-N-CA	-16.68	89.69	121.54
1	4Q	167	GLY	CA-C-N	-16.68	89.69	121.54
1	4Q	167	GLY	C-N-CA	-16.68	89.69	121.54
1	42	167	GLY	CA-C-N	-16.68	89.69	121.54
1	42	167	GLY	C-N-CA	-16.68	89.69	121.54
1	46	167	GLY	CA-C-N	-16.68	89.69	121.54
1	46	167	GLY	C-N-CA	-16.68	89.69	121.54
1	5A	167	GLY	CA-C-N	-16.68	89.69	121.54
1	5A	167	GLY	C-N-CA	-16.68	89.69	121.54
1	5Y	167	GLY	CA-C-N	-16.68	89.69	121.54
1	5Y	167	GLY	C-N-CA	-16.68	89.69	121.54
1	52	167	GLY	CA-C-N	-16.68	89.69	121.54
1	52	167	GLY	C-N-CA	-16.68	89.69	121.54
1	56	167	GLY	CA-C-N	-16.68	89.69	121.54
1	56	167	GLY	C-N-CA	-16.68	89.69	121.54
1	6A	167	GLY	CA-C-N	-16.68	89.69	121.54
1	6A	167	GLY	C-N-CA	-16.68	89.69	121.54
1	6E	167	GLY	CA-C-N	-16.68	89.69	121.54
1	6E	167	GLY	C-N-CA	-16.68	89.69	121.54
1	6Y	167	GLY	CA-C-N	-16.68	89.69	121.54
1	6Y	167	GLY	C-N-CA	-16.68	89.69	121.54
1	7I	167	GLY	CA-C-N	-16.68	89.69	121.54
1	7I	167	GLY	C-N-CA	-16.68	89.69	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	167	GLY	CA-C-N	-16.68	89.69	121.54
1	7U	167	GLY	C-N-CA	-16.68	89.69	121.54
1	1E	78	SER	CA-CB-OG	-16.68	77.75	111.10
1	12	149	THR	OG1-CB-CG2	-16.68	75.95	109.30
1	16	149	THR	OG1-CB-CG2	-16.68	75.95	109.30
1	2A	149	THR	OG1-CB-CG2	-16.68	75.95	109.30
1	2M	78	SER	CA-CB-OG	-16.68	77.75	111.10
1	22	78	SER	CA-CB-OG	-16.68	77.75	111.10
1	3M	78	SER	CA-CB-OG	-16.68	77.75	111.10
1	3Q	149	THR	OG1-CB-CG2	-16.68	75.95	109.30
1	3U	149	THR	OG1-CB-CG2	-16.68	75.95	109.30
1	3Y	149	THR	OG1-CB-CG2	-16.68	75.95	109.30
1	36	78	SER	CA-CB-OG	-16.68	77.75	111.10
1	4I	78	SER	CA-CB-OG	-16.68	77.75	111.10
1	4Q	78	SER	CA-CB-OG	-16.68	77.75	111.10
1	5E	149	THR	OG1-CB-CG2	-16.68	75.95	109.30
1	5I	149	THR	OG1-CB-CG2	-16.68	75.95	109.30
1	5M	149	THR	OG1-CB-CG2	-16.68	75.95	109.30
1	5Y	78	SER	CA-CB-OG	-16.68	77.75	111.10
1	6E	78	SER	CA-CB-OG	-16.68	77.75	111.10
1	6Y	78	SER	CA-CB-OG	-16.68	77.75	111.10
1	62	149	THR	OG1-CB-CG2	-16.68	75.95	109.30
1	66	149	THR	OG1-CB-CG2	-16.68	75.95	109.30
1	7A	149	THR	OG1-CB-CG2	-16.68	75.95	109.30
1	7I	78	SER	CA-CB-OG	-16.68	77.75	111.10
1	7U	78	SER	CA-CB-OG	-16.68	77.75	111.10
1	1Q	15	SER	N-CA-C	-16.67	85.94	109.95
1	1U	15	SER	N-CA-C	-16.67	85.94	109.95
1	1Y	15	SER	N-CA-C	-16.67	85.94	109.95
1	2Q	15	SER	N-CA-C	-16.67	85.94	109.95
1	2U	15	SER	N-CA-C	-16.67	85.94	109.95
1	2Y	15	SER	N-CA-C	-16.67	85.94	109.95
1	42	15	SER	N-CA-C	-16.67	85.94	109.95
1	46	15	SER	N-CA-C	-16.67	85.94	109.95
1	5A	15	SER	N-CA-C	-16.67	85.94	109.95
1	52	15	SER	N-CA-C	-16.67	85.94	109.95
1	56	15	SER	N-CA-C	-16.67	85.94	109.95
1	6A	15	SER	N-CA-C	-16.67	85.94	109.95
1	1E	15	SER	N-CA-C	-16.67	85.94	109.95
1	1E	149	THR	OG1-CB-CG2	-16.67	75.96	109.30
2	1F	77	THR	O-C-N	16.67	143.58	121.74
1	2M	15	SER	N-CA-C	-16.67	85.94	109.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	149	THR	OG1-CB-CG2	-16.67	75.96	109.30
2	2N	77	THR	O-C-N	16.67	143.58	121.74
1	22	15	SER	N-CA-C	-16.67	85.94	109.95
1	22	149	THR	OG1-CB-CG2	-16.67	75.96	109.30
2	23	77	THR	O-C-N	16.67	143.58	121.74
1	3M	15	SER	N-CA-C	-16.67	85.94	109.95
1	3M	149	THR	OG1-CB-CG2	-16.67	75.96	109.30
2	3N	77	THR	O-C-N	16.67	143.58	121.74
1	36	15	SER	N-CA-C	-16.67	85.94	109.95
1	36	149	THR	OG1-CB-CG2	-16.67	75.96	109.30
2	37	77	THR	O-C-N	16.67	143.58	121.74
1	4I	15	SER	N-CA-C	-16.67	85.94	109.95
1	4I	149	THR	OG1-CB-CG2	-16.67	75.96	109.30
2	4J	77	THR	O-C-N	16.67	143.58	121.74
1	4Q	15	SER	N-CA-C	-16.67	85.94	109.95
1	4Q	149	THR	OG1-CB-CG2	-16.67	75.96	109.30
2	4R	77	THR	O-C-N	16.67	143.58	121.74
1	5Y	15	SER	N-CA-C	-16.67	85.94	109.95
1	5Y	149	THR	OG1-CB-CG2	-16.67	75.96	109.30
2	5Z	77	THR	O-C-N	16.67	143.58	121.74
1	6E	15	SER	N-CA-C	-16.67	85.94	109.95
1	6E	149	THR	OG1-CB-CG2	-16.67	75.96	109.30
2	6F	77	THR	O-C-N	16.67	143.58	121.74
1	6Y	15	SER	N-CA-C	-16.67	85.94	109.95
1	6Y	149	THR	OG1-CB-CG2	-16.67	75.96	109.30
2	6Z	77	THR	O-C-N	16.67	143.58	121.74
1	7I	15	SER	N-CA-C	-16.67	85.94	109.95
1	7I	149	THR	OG1-CB-CG2	-16.67	75.96	109.30
2	7J	77	THR	O-C-N	16.67	143.58	121.74
1	7U	15	SER	N-CA-C	-16.67	85.94	109.95
1	7U	149	THR	OG1-CB-CG2	-16.67	75.96	109.30
2	7V	77	THR	O-C-N	16.67	143.58	121.74
1	1A	50	ARG	NH1-CZ-NH2	16.67	140.97	119.30
1	1I	50	ARG	NH1-CZ-NH2	16.67	140.97	119.30
1	2E	50	ARG	NH1-CZ-NH2	16.67	140.97	119.30
1	26	50	ARG	NH1-CZ-NH2	16.67	140.97	119.30
1	3E	50	ARG	NH1-CZ-NH2	16.67	140.97	119.30
1	4A	50	ARG	NH1-CZ-NH2	16.67	140.97	119.30
1	4M	50	ARG	NH1-CZ-NH2	16.67	140.97	119.30
1	4U	50	ARG	NH1-CZ-NH2	16.67	140.97	119.30
1	5Q	50	ARG	NH1-CZ-NH2	16.67	140.97	119.30
1	6I	50	ARG	NH1-CZ-NH2	16.67	140.97	119.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	50	ARG	NH1-CZ-NH2	16.67	140.97	119.30
1	7M	50	ARG	NH1-CZ-NH2	16.67	140.97	119.30
1	1M	15	SER	N-CA-C	-16.66	85.95	109.95
1	2I	15	SER	N-CA-C	-16.66	85.95	109.95
1	3A	15	SER	N-CA-C	-16.66	85.95	109.95
1	3I	15	SER	N-CA-C	-16.66	85.95	109.95
1	32	15	SER	N-CA-C	-16.66	85.95	109.95
1	4E	15	SER	N-CA-C	-16.66	85.95	109.95
1	4Y	15	SER	N-CA-C	-16.66	85.95	109.95
1	5U	15	SER	N-CA-C	-16.66	85.95	109.95
1	6M	15	SER	N-CA-C	-16.66	85.95	109.95
1	6U	15	SER	N-CA-C	-16.66	85.95	109.95
1	7E	15	SER	N-CA-C	-16.66	85.95	109.95
1	7Q	15	SER	N-CA-C	-16.66	85.95	109.95
1	1M	167	GLY	CA-C-N	-16.66	89.72	121.54
1	1M	167	GLY	C-N-CA	-16.66	89.72	121.54
1	2I	167	GLY	CA-C-N	-16.66	89.72	121.54
1	2I	167	GLY	C-N-CA	-16.66	89.72	121.54
1	3A	167	GLY	CA-C-N	-16.66	89.72	121.54
1	3A	167	GLY	C-N-CA	-16.66	89.72	121.54
1	3I	167	GLY	CA-C-N	-16.66	89.72	121.54
1	3I	167	GLY	C-N-CA	-16.66	89.72	121.54
1	32	167	GLY	CA-C-N	-16.66	89.72	121.54
1	32	167	GLY	C-N-CA	-16.66	89.72	121.54
1	4E	167	GLY	CA-C-N	-16.66	89.72	121.54
1	4E	167	GLY	C-N-CA	-16.66	89.72	121.54
1	4Y	167	GLY	CA-C-N	-16.66	89.72	121.54
1	4Y	167	GLY	C-N-CA	-16.66	89.72	121.54
1	5U	167	GLY	CA-C-N	-16.66	89.72	121.54
1	5U	167	GLY	C-N-CA	-16.66	89.72	121.54
1	6M	167	GLY	CA-C-N	-16.66	89.72	121.54
1	6M	167	GLY	C-N-CA	-16.66	89.72	121.54
1	6U	167	GLY	CA-C-N	-16.66	89.72	121.54
1	6U	167	GLY	C-N-CA	-16.66	89.72	121.54
1	7E	167	GLY	CA-C-N	-16.66	89.72	121.54
1	7E	167	GLY	C-N-CA	-16.66	89.72	121.54
1	7Q	167	GLY	CA-C-N	-16.66	89.72	121.54
1	7Q	167	GLY	C-N-CA	-16.66	89.72	121.54
1	12	167	GLY	CA-C-N	-16.66	89.72	121.54
1	12	167	GLY	C-N-CA	-16.66	89.72	121.54
1	16	167	GLY	CA-C-N	-16.66	89.72	121.54
1	16	167	GLY	C-N-CA	-16.66	89.72	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	167	GLY	CA-C-N	-16.66	89.72	121.54
1	2A	167	GLY	C-N-CA	-16.66	89.72	121.54
1	3Q	167	GLY	CA-C-N	-16.66	89.72	121.54
1	3Q	167	GLY	C-N-CA	-16.66	89.72	121.54
1	3U	167	GLY	CA-C-N	-16.66	89.72	121.54
1	3U	167	GLY	C-N-CA	-16.66	89.72	121.54
1	3Y	167	GLY	CA-C-N	-16.66	89.72	121.54
1	3Y	167	GLY	C-N-CA	-16.66	89.72	121.54
1	5E	167	GLY	CA-C-N	-16.66	89.72	121.54
1	5E	167	GLY	C-N-CA	-16.66	89.72	121.54
1	5I	167	GLY	CA-C-N	-16.66	89.72	121.54
1	5I	167	GLY	C-N-CA	-16.66	89.72	121.54
1	5M	167	GLY	CA-C-N	-16.66	89.72	121.54
1	5M	167	GLY	C-N-CA	-16.66	89.72	121.54
1	62	167	GLY	CA-C-N	-16.66	89.72	121.54
1	62	167	GLY	C-N-CA	-16.66	89.72	121.54
1	66	167	GLY	CA-C-N	-16.66	89.72	121.54
1	66	167	GLY	C-N-CA	-16.66	89.72	121.54
1	7A	167	GLY	CA-C-N	-16.66	89.72	121.54
1	7A	167	GLY	C-N-CA	-16.66	89.72	121.54
1	1Q	155	PRO	CA-C-O	-16.62	90.35	120.60
1	1U	155	PRO	CA-C-O	-16.62	90.35	120.60
1	1Y	155	PRO	CA-C-O	-16.62	90.35	120.60
1	2Q	155	PRO	CA-C-O	-16.62	90.35	120.60
1	2U	155	PRO	CA-C-O	-16.62	90.35	120.60
1	2Y	155	PRO	CA-C-O	-16.62	90.35	120.60
1	42	155	PRO	CA-C-O	-16.62	90.35	120.60
1	46	155	PRO	CA-C-O	-16.62	90.35	120.60
1	5A	155	PRO	CA-C-O	-16.62	90.35	120.60
1	52	155	PRO	CA-C-O	-16.62	90.35	120.60
1	56	155	PRO	CA-C-O	-16.62	90.35	120.60
1	6A	155	PRO	CA-C-O	-16.62	90.35	120.60
1	1A	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	1A	155	PRO	CA-C-O	-16.62	90.36	120.60
1	1E	155	PRO	CA-C-O	-16.62	90.36	120.60
1	1I	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	1I	155	PRO	CA-C-O	-16.62	90.36	120.60
1	12	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	16	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	2A	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	2E	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	2E	155	PRO	CA-C-O	-16.62	90.36	120.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	155	PRO	CA-C-O	-16.62	90.36	120.60
1	22	155	PRO	CA-C-O	-16.62	90.36	120.60
1	26	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	26	155	PRO	CA-C-O	-16.62	90.36	120.60
1	3E	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	3E	155	PRO	CA-C-O	-16.62	90.36	120.60
1	3M	155	PRO	CA-C-O	-16.62	90.36	120.60
1	3Q	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	3U	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	3Y	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	36	155	PRO	CA-C-O	-16.62	90.36	120.60
1	4A	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	4A	155	PRO	CA-C-O	-16.62	90.36	120.60
1	4I	155	PRO	CA-C-O	-16.62	90.36	120.60
1	4M	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	4M	155	PRO	CA-C-O	-16.62	90.36	120.60
1	4Q	155	PRO	CA-C-O	-16.62	90.36	120.60
1	4U	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	4U	155	PRO	CA-C-O	-16.62	90.36	120.60
1	5E	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	5I	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	5M	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	5Q	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	5Q	155	PRO	CA-C-O	-16.62	90.36	120.60
1	5Y	155	PRO	CA-C-O	-16.62	90.36	120.60
1	6E	155	PRO	CA-C-O	-16.62	90.36	120.60
1	6I	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	6I	155	PRO	CA-C-O	-16.62	90.36	120.60
1	6Q	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	6Q	155	PRO	CA-C-O	-16.62	90.36	120.60
1	6Y	155	PRO	CA-C-O	-16.62	90.36	120.60
1	62	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	66	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	7A	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	7I	155	PRO	CA-C-O	-16.62	90.36	120.60
1	7M	42	VAL	CA-CB-CG1	-16.62	82.15	110.40
1	7M	155	PRO	CA-C-O	-16.62	90.36	120.60
1	7U	155	PRO	CA-C-O	-16.62	90.36	120.60
1	1Q	42	VAL	CA-CB-CG1	-16.61	82.16	110.40
1	1U	42	VAL	CA-CB-CG1	-16.61	82.16	110.40
1	1Y	42	VAL	CA-CB-CG1	-16.61	82.16	110.40
1	2Q	42	VAL	CA-CB-CG1	-16.61	82.16	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	42	VAL	CA-CB-CG1	-16.61	82.16	110.40
1	2Y	42	VAL	CA-CB-CG1	-16.61	82.16	110.40
1	42	42	VAL	CA-CB-CG1	-16.61	82.16	110.40
1	46	42	VAL	CA-CB-CG1	-16.61	82.16	110.40
1	5A	42	VAL	CA-CB-CG1	-16.61	82.16	110.40
1	52	42	VAL	CA-CB-CG1	-16.61	82.16	110.40
1	56	42	VAL	CA-CB-CG1	-16.61	82.16	110.40
1	6A	42	VAL	CA-CB-CG1	-16.61	82.16	110.40
1	12	155	PRO	CA-C-O	-16.61	90.36	120.60
1	16	155	PRO	CA-C-O	-16.61	90.36	120.60
1	2A	155	PRO	CA-C-O	-16.61	90.36	120.60
1	3Q	155	PRO	CA-C-O	-16.61	90.36	120.60
1	3U	155	PRO	CA-C-O	-16.61	90.36	120.60
1	3Y	155	PRO	CA-C-O	-16.61	90.36	120.60
1	5E	155	PRO	CA-C-O	-16.61	90.36	120.60
1	5I	155	PRO	CA-C-O	-16.61	90.36	120.60
1	5M	155	PRO	CA-C-O	-16.61	90.36	120.60
1	62	155	PRO	CA-C-O	-16.61	90.36	120.60
1	66	155	PRO	CA-C-O	-16.61	90.36	120.60
1	7A	155	PRO	CA-C-O	-16.61	90.36	120.60
1	1E	42	VAL	CA-CB-CG1	-16.61	82.17	110.40
2	1F	5	ASN	OD1-CG-ND2	16.61	139.21	122.60
1	2M	42	VAL	CA-CB-CG1	-16.61	82.17	110.40
2	2N	5	ASN	OD1-CG-ND2	16.61	139.21	122.60
1	22	42	VAL	CA-CB-CG1	-16.61	82.17	110.40
2	23	5	ASN	OD1-CG-ND2	16.61	139.21	122.60
1	3M	42	VAL	CA-CB-CG1	-16.61	82.17	110.40
2	3N	5	ASN	OD1-CG-ND2	16.61	139.21	122.60
1	36	42	VAL	CA-CB-CG1	-16.61	82.17	110.40
2	37	5	ASN	OD1-CG-ND2	16.61	139.21	122.60
1	4I	42	VAL	CA-CB-CG1	-16.61	82.17	110.40
2	4J	5	ASN	OD1-CG-ND2	16.61	139.21	122.60
1	4Q	42	VAL	CA-CB-CG1	-16.61	82.17	110.40
2	4R	5	ASN	OD1-CG-ND2	16.61	139.21	122.60
1	5Y	42	VAL	CA-CB-CG1	-16.61	82.17	110.40
2	5Z	5	ASN	OD1-CG-ND2	16.61	139.21	122.60
1	6E	42	VAL	CA-CB-CG1	-16.61	82.17	110.40
2	6F	5	ASN	OD1-CG-ND2	16.61	139.21	122.60
1	6Y	42	VAL	CA-CB-CG1	-16.61	82.17	110.40
2	6Z	5	ASN	OD1-CG-ND2	16.61	139.21	122.60
1	7I	42	VAL	CA-CB-CG1	-16.61	82.17	110.40
2	7J	5	ASN	OD1-CG-ND2	16.61	139.21	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	42	VAL	CA-CB-CG1	-16.61	82.17	110.40
2	7V	5	ASN	OD1-CG-ND2	16.61	139.21	122.60
1	1M	155	PRO	CA-C-O	-16.60	90.38	120.60
1	2I	155	PRO	CA-C-O	-16.60	90.38	120.60
1	3A	155	PRO	CA-C-O	-16.60	90.38	120.60
1	3I	155	PRO	CA-C-O	-16.60	90.38	120.60
1	32	155	PRO	CA-C-O	-16.60	90.38	120.60
1	4E	155	PRO	CA-C-O	-16.60	90.38	120.60
1	4Y	155	PRO	CA-C-O	-16.60	90.38	120.60
1	5U	155	PRO	CA-C-O	-16.60	90.38	120.60
1	6M	155	PRO	CA-C-O	-16.60	90.38	120.60
1	6U	155	PRO	CA-C-O	-16.60	90.38	120.60
1	7E	155	PRO	CA-C-O	-16.60	90.38	120.60
1	7Q	155	PRO	CA-C-O	-16.60	90.38	120.60
1	12	47	VAL	CA-C-N	16.60	148.92	122.36
1	12	47	VAL	C-N-CA	16.60	148.92	122.36
1	16	47	VAL	CA-C-N	16.60	148.92	122.36
1	16	47	VAL	C-N-CA	16.60	148.92	122.36
1	2A	47	VAL	CA-C-N	16.60	148.92	122.36
1	2A	47	VAL	C-N-CA	16.60	148.92	122.36
1	3Q	47	VAL	CA-C-N	16.60	148.92	122.36
1	3Q	47	VAL	C-N-CA	16.60	148.92	122.36
1	3U	47	VAL	CA-C-N	16.60	148.92	122.36
1	3U	47	VAL	C-N-CA	16.60	148.92	122.36
1	3Y	47	VAL	CA-C-N	16.60	148.92	122.36
1	3Y	47	VAL	C-N-CA	16.60	148.92	122.36
1	5E	47	VAL	CA-C-N	16.60	148.92	122.36
1	5E	47	VAL	C-N-CA	16.60	148.92	122.36
1	5I	47	VAL	CA-C-N	16.60	148.92	122.36
1	5I	47	VAL	C-N-CA	16.60	148.92	122.36
1	5M	47	VAL	CA-C-N	16.60	148.92	122.36
1	5M	47	VAL	C-N-CA	16.60	148.92	122.36
1	62	47	VAL	CA-C-N	16.60	148.92	122.36
1	62	47	VAL	C-N-CA	16.60	148.92	122.36
1	66	47	VAL	CA-C-N	16.60	148.92	122.36
1	66	47	VAL	C-N-CA	16.60	148.92	122.36
1	7A	47	VAL	CA-C-N	16.60	148.92	122.36
1	7A	47	VAL	C-N-CA	16.60	148.92	122.36
1	1M	42	VAL	CA-CB-CG1	-16.60	82.19	110.40
1	2I	42	VAL	CA-CB-CG1	-16.60	82.19	110.40
1	3A	42	VAL	CA-CB-CG1	-16.60	82.19	110.40
1	3I	42	VAL	CA-CB-CG1	-16.60	82.19	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	42	VAL	CA-CB-CG1	-16.60	82.19	110.40
1	4E	42	VAL	CA-CB-CG1	-16.60	82.19	110.40
1	4Y	42	VAL	CA-CB-CG1	-16.60	82.19	110.40
1	5U	42	VAL	CA-CB-CG1	-16.60	82.19	110.40
1	6M	42	VAL	CA-CB-CG1	-16.60	82.19	110.40
1	6U	42	VAL	CA-CB-CG1	-16.60	82.19	110.40
1	7E	42	VAL	CA-CB-CG1	-16.60	82.19	110.40
1	7Q	42	VAL	CA-CB-CG1	-16.60	82.19	110.40
1	1E	47	VAL	CA-C-N	16.58	148.89	122.36
1	1E	47	VAL	C-N-CA	16.58	148.89	122.36
2	1R	5	ASN	OD1-CG-ND2	16.58	139.18	122.60
2	1V	5	ASN	OD1-CG-ND2	16.58	139.18	122.60
2	1Z	5	ASN	OD1-CG-ND2	16.58	139.18	122.60
1	2M	47	VAL	CA-C-N	16.58	148.89	122.36
1	2M	47	VAL	C-N-CA	16.58	148.89	122.36
2	2R	5	ASN	OD1-CG-ND2	16.58	139.18	122.60
2	2V	5	ASN	OD1-CG-ND2	16.58	139.18	122.60
2	2Z	5	ASN	OD1-CG-ND2	16.58	139.18	122.60
1	22	47	VAL	CA-C-N	16.58	148.89	122.36
1	22	47	VAL	C-N-CA	16.58	148.89	122.36
1	3M	47	VAL	CA-C-N	16.58	148.89	122.36
1	3M	47	VAL	C-N-CA	16.58	148.89	122.36
1	36	47	VAL	CA-C-N	16.58	148.89	122.36
1	36	47	VAL	C-N-CA	16.58	148.89	122.36
1	4I	47	VAL	CA-C-N	16.58	148.89	122.36
1	4I	47	VAL	C-N-CA	16.58	148.89	122.36
1	4Q	47	VAL	CA-C-N	16.58	148.89	122.36
1	4Q	47	VAL	C-N-CA	16.58	148.89	122.36
2	43	5	ASN	OD1-CG-ND2	16.58	139.18	122.60
2	47	5	ASN	OD1-CG-ND2	16.58	139.18	122.60
2	5B	5	ASN	OD1-CG-ND2	16.58	139.18	122.60
1	5Y	47	VAL	CA-C-N	16.58	148.89	122.36
1	5Y	47	VAL	C-N-CA	16.58	148.89	122.36
2	53	5	ASN	OD1-CG-ND2	16.58	139.18	122.60
2	57	5	ASN	OD1-CG-ND2	16.58	139.18	122.60
2	6B	5	ASN	OD1-CG-ND2	16.58	139.18	122.60
1	6E	47	VAL	CA-C-N	16.58	148.89	122.36
1	6E	47	VAL	C-N-CA	16.58	148.89	122.36
1	6Y	47	VAL	CA-C-N	16.58	148.89	122.36
1	6Y	47	VAL	C-N-CA	16.58	148.89	122.36
1	7I	47	VAL	CA-C-N	16.58	148.89	122.36
1	7I	47	VAL	C-N-CA	16.58	148.89	122.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	47	VAL	CA-C-N	16.58	148.89	122.36
1	7U	47	VAL	C-N-CA	16.58	148.89	122.36
1	1A	47	VAL	CA-C-N	16.57	148.88	122.36
1	1A	47	VAL	C-N-CA	16.57	148.88	122.36
1	1I	47	VAL	CA-C-N	16.57	148.88	122.36
1	1I	47	VAL	C-N-CA	16.57	148.88	122.36
1	2E	47	VAL	CA-C-N	16.57	148.88	122.36
1	2E	47	VAL	C-N-CA	16.57	148.88	122.36
1	26	47	VAL	CA-C-N	16.57	148.88	122.36
1	26	47	VAL	C-N-CA	16.57	148.88	122.36
1	3E	47	VAL	CA-C-N	16.57	148.88	122.36
1	3E	47	VAL	C-N-CA	16.57	148.88	122.36
1	4A	47	VAL	CA-C-N	16.57	148.88	122.36
1	4A	47	VAL	C-N-CA	16.57	148.88	122.36
1	4M	47	VAL	CA-C-N	16.57	148.88	122.36
1	4M	47	VAL	C-N-CA	16.57	148.88	122.36
1	4U	47	VAL	CA-C-N	16.57	148.88	122.36
1	4U	47	VAL	C-N-CA	16.57	148.88	122.36
1	5Q	47	VAL	CA-C-N	16.57	148.88	122.36
1	5Q	47	VAL	C-N-CA	16.57	148.88	122.36
1	6I	47	VAL	CA-C-N	16.57	148.88	122.36
1	6I	47	VAL	C-N-CA	16.57	148.88	122.36
1	6Q	47	VAL	CA-C-N	16.57	148.88	122.36
1	6Q	47	VAL	C-N-CA	16.57	148.88	122.36
1	7M	47	VAL	CA-C-N	16.57	148.88	122.36
1	7M	47	VAL	C-N-CA	16.57	148.88	122.36
1	1M	47	VAL	CA-C-N	16.55	148.85	122.36
1	1M	47	VAL	C-N-CA	16.55	148.85	122.36
1	2I	47	VAL	CA-C-N	16.55	148.85	122.36
1	2I	47	VAL	C-N-CA	16.55	148.85	122.36
1	3A	47	VAL	CA-C-N	16.55	148.85	122.36
1	3A	47	VAL	C-N-CA	16.55	148.85	122.36
1	3I	47	VAL	CA-C-N	16.55	148.85	122.36
1	3I	47	VAL	C-N-CA	16.55	148.85	122.36
1	32	47	VAL	CA-C-N	16.55	148.85	122.36
1	32	47	VAL	C-N-CA	16.55	148.85	122.36
1	4E	47	VAL	CA-C-N	16.55	148.85	122.36
1	4E	47	VAL	C-N-CA	16.55	148.85	122.36
1	4Y	47	VAL	CA-C-N	16.55	148.85	122.36
1	4Y	47	VAL	C-N-CA	16.55	148.85	122.36
1	5U	47	VAL	CA-C-N	16.55	148.85	122.36
1	5U	47	VAL	C-N-CA	16.55	148.85	122.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6M	47	VAL	CA-C-N	16.55	148.85	122.36
1	6M	47	VAL	C-N-CA	16.55	148.85	122.36
1	6U	47	VAL	CA-C-N	16.55	148.85	122.36
1	6U	47	VAL	C-N-CA	16.55	148.85	122.36
1	7E	47	VAL	CA-C-N	16.55	148.85	122.36
1	7E	47	VAL	C-N-CA	16.55	148.85	122.36
1	7Q	47	VAL	CA-C-N	16.55	148.85	122.36
1	7Q	47	VAL	C-N-CA	16.55	148.85	122.36
1	1Q	47	VAL	CA-C-N	16.55	148.84	122.36
1	1Q	47	VAL	C-N-CA	16.55	148.84	122.36
1	1U	47	VAL	CA-C-N	16.55	148.84	122.36
1	1U	47	VAL	C-N-CA	16.55	148.84	122.36
1	1Y	47	VAL	CA-C-N	16.55	148.84	122.36
1	1Y	47	VAL	C-N-CA	16.55	148.84	122.36
1	2Q	47	VAL	CA-C-N	16.55	148.84	122.36
1	2Q	47	VAL	C-N-CA	16.55	148.84	122.36
1	2U	47	VAL	CA-C-N	16.55	148.84	122.36
1	2U	47	VAL	C-N-CA	16.55	148.84	122.36
1	2Y	47	VAL	CA-C-N	16.55	148.84	122.36
1	2Y	47	VAL	C-N-CA	16.55	148.84	122.36
1	42	47	VAL	CA-C-N	16.55	148.84	122.36
1	42	47	VAL	C-N-CA	16.55	148.84	122.36
1	46	47	VAL	CA-C-N	16.55	148.84	122.36
1	46	47	VAL	C-N-CA	16.55	148.84	122.36
1	5A	47	VAL	CA-C-N	16.55	148.84	122.36
1	5A	47	VAL	C-N-CA	16.55	148.84	122.36
1	52	47	VAL	CA-C-N	16.55	148.84	122.36
1	52	47	VAL	C-N-CA	16.55	148.84	122.36
1	56	47	VAL	CA-C-N	16.55	148.84	122.36
1	56	47	VAL	C-N-CA	16.55	148.84	122.36
1	6A	47	VAL	CA-C-N	16.55	148.84	122.36
1	6A	47	VAL	C-N-CA	16.55	148.84	122.36
2	1B	5	ASN	OD1-CG-ND2	16.55	139.15	122.60
2	1J	5	ASN	OD1-CG-ND2	16.55	139.15	122.60
2	2F	5	ASN	OD1-CG-ND2	16.55	139.15	122.60
2	27	5	ASN	OD1-CG-ND2	16.55	139.15	122.60
2	3F	5	ASN	OD1-CG-ND2	16.55	139.15	122.60
2	4B	5	ASN	OD1-CG-ND2	16.55	139.15	122.60
2	4N	5	ASN	OD1-CG-ND2	16.55	139.15	122.60
2	4V	5	ASN	OD1-CG-ND2	16.55	139.15	122.60
2	5R	5	ASN	OD1-CG-ND2	16.55	139.15	122.60
2	6J	5	ASN	OD1-CG-ND2	16.55	139.15	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	5	ASN	OD1-CG-ND2	16.55	139.15	122.60
2	7N	5	ASN	OD1-CG-ND2	16.55	139.15	122.60
1	1Q	154	SER	CA-C-O	-16.54	101.09	119.61
1	1U	154	SER	CA-C-O	-16.54	101.09	119.61
1	1Y	154	SER	CA-C-O	-16.54	101.09	119.61
1	12	154	SER	CA-C-O	-16.54	101.09	119.61
1	16	154	SER	CA-C-O	-16.54	101.09	119.61
1	2A	154	SER	CA-C-O	-16.54	101.09	119.61
1	2Q	154	SER	CA-C-O	-16.54	101.09	119.61
1	2U	154	SER	CA-C-O	-16.54	101.09	119.61
1	2Y	154	SER	CA-C-O	-16.54	101.09	119.61
1	3Q	154	SER	CA-C-O	-16.54	101.09	119.61
1	3U	154	SER	CA-C-O	-16.54	101.09	119.61
1	3Y	154	SER	CA-C-O	-16.54	101.09	119.61
1	42	154	SER	CA-C-O	-16.54	101.09	119.61
1	46	154	SER	CA-C-O	-16.54	101.09	119.61
1	5A	154	SER	CA-C-O	-16.54	101.09	119.61
1	5E	154	SER	CA-C-O	-16.54	101.09	119.61
1	5I	154	SER	CA-C-O	-16.54	101.09	119.61
1	5M	154	SER	CA-C-O	-16.54	101.09	119.61
1	52	154	SER	CA-C-O	-16.54	101.09	119.61
1	56	154	SER	CA-C-O	-16.54	101.09	119.61
1	6A	154	SER	CA-C-O	-16.54	101.09	119.61
1	62	154	SER	CA-C-O	-16.54	101.09	119.61
1	66	154	SER	CA-C-O	-16.54	101.09	119.61
1	7A	154	SER	CA-C-O	-16.54	101.09	119.61
2	1N	5	ASN	OD1-CG-ND2	16.53	139.13	122.60
2	2J	5	ASN	OD1-CG-ND2	16.53	139.13	122.60
2	3B	5	ASN	OD1-CG-ND2	16.53	139.13	122.60
2	3J	5	ASN	OD1-CG-ND2	16.53	139.13	122.60
2	33	5	ASN	OD1-CG-ND2	16.53	139.13	122.60
2	4F	5	ASN	OD1-CG-ND2	16.53	139.13	122.60
2	4Z	5	ASN	OD1-CG-ND2	16.53	139.13	122.60
2	5V	5	ASN	OD1-CG-ND2	16.53	139.13	122.60
2	6N	5	ASN	OD1-CG-ND2	16.53	139.13	122.60
2	6V	5	ASN	OD1-CG-ND2	16.53	139.13	122.60
2	7F	5	ASN	OD1-CG-ND2	16.53	139.13	122.60
2	7R	5	ASN	OD1-CG-ND2	16.53	139.13	122.60
1	1A	154	SER	CA-C-O	-16.51	101.12	119.61
1	1I	154	SER	CA-C-O	-16.51	101.12	119.61
1	2E	154	SER	CA-C-O	-16.51	101.12	119.61
1	26	154	SER	CA-C-O	-16.51	101.12	119.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	154	SER	CA-C-O	-16.51	101.12	119.61
1	4A	154	SER	CA-C-O	-16.51	101.12	119.61
1	4M	154	SER	CA-C-O	-16.51	101.12	119.61
1	4U	154	SER	CA-C-O	-16.51	101.12	119.61
1	5Q	154	SER	CA-C-O	-16.51	101.12	119.61
1	6I	154	SER	CA-C-O	-16.51	101.12	119.61
1	6Q	154	SER	CA-C-O	-16.51	101.12	119.61
1	7M	154	SER	CA-C-O	-16.51	101.12	119.61
2	13	5	ASN	OD1-CG-ND2	16.51	139.11	122.60
2	17	5	ASN	OD1-CG-ND2	16.51	139.11	122.60
2	2B	5	ASN	OD1-CG-ND2	16.51	139.11	122.60
2	3R	5	ASN	OD1-CG-ND2	16.51	139.11	122.60
2	3V	5	ASN	OD1-CG-ND2	16.51	139.11	122.60
2	3Z	5	ASN	OD1-CG-ND2	16.51	139.11	122.60
2	5F	5	ASN	OD1-CG-ND2	16.51	139.11	122.60
2	5J	5	ASN	OD1-CG-ND2	16.51	139.11	122.60
2	5N	5	ASN	OD1-CG-ND2	16.51	139.11	122.60
2	63	5	ASN	OD1-CG-ND2	16.51	139.11	122.60
2	67	5	ASN	OD1-CG-ND2	16.51	139.11	122.60
2	7B	5	ASN	OD1-CG-ND2	16.51	139.11	122.60
2	13	218	ARG	NE-CZ-NH1	-16.50	105.00	121.50
2	17	218	ARG	NE-CZ-NH1	-16.50	105.00	121.50
2	2B	218	ARG	NE-CZ-NH1	-16.50	105.00	121.50
2	3R	218	ARG	NE-CZ-NH1	-16.50	105.00	121.50
2	3V	218	ARG	NE-CZ-NH1	-16.50	105.00	121.50
2	3Z	218	ARG	NE-CZ-NH1	-16.50	105.00	121.50
2	5F	218	ARG	NE-CZ-NH1	-16.50	105.00	121.50
2	5J	218	ARG	NE-CZ-NH1	-16.50	105.00	121.50
2	5N	218	ARG	NE-CZ-NH1	-16.50	105.00	121.50
2	63	218	ARG	NE-CZ-NH1	-16.50	105.00	121.50
2	67	218	ARG	NE-CZ-NH1	-16.50	105.00	121.50
2	7B	218	ARG	NE-CZ-NH1	-16.50	105.00	121.50
1	1E	154	SER	CA-C-O	-16.49	101.14	119.61
2	1F	218	ARG	NE-CZ-NH1	-16.49	105.01	121.50
1	2M	154	SER	CA-C-O	-16.49	101.14	119.61
2	2N	218	ARG	NE-CZ-NH1	-16.49	105.01	121.50
1	22	154	SER	CA-C-O	-16.49	101.14	119.61
2	23	218	ARG	NE-CZ-NH1	-16.49	105.01	121.50
1	3M	154	SER	CA-C-O	-16.49	101.14	119.61
2	3N	218	ARG	NE-CZ-NH1	-16.49	105.01	121.50
1	36	154	SER	CA-C-O	-16.49	101.14	119.61
2	37	218	ARG	NE-CZ-NH1	-16.49	105.01	121.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4I	154	SER	CA-C-O	-16.49	101.14	119.61
2	4J	218	ARG	NE-CZ-NH1	-16.49	105.01	121.50
1	4Q	154	SER	CA-C-O	-16.49	101.14	119.61
2	4R	218	ARG	NE-CZ-NH1	-16.49	105.01	121.50
1	5Y	154	SER	CA-C-O	-16.49	101.14	119.61
2	5Z	218	ARG	NE-CZ-NH1	-16.49	105.01	121.50
1	6E	154	SER	CA-C-O	-16.49	101.14	119.61
2	6F	218	ARG	NE-CZ-NH1	-16.49	105.01	121.50
1	6Y	154	SER	CA-C-O	-16.49	101.14	119.61
2	6Z	218	ARG	NE-CZ-NH1	-16.49	105.01	121.50
1	7I	154	SER	CA-C-O	-16.49	101.14	119.61
2	7J	218	ARG	NE-CZ-NH1	-16.49	105.01	121.50
1	7U	154	SER	CA-C-O	-16.49	101.14	119.61
2	7V	218	ARG	NE-CZ-NH1	-16.49	105.01	121.50
1	1M	154	SER	CA-C-O	-16.48	101.15	119.61
1	2I	154	SER	CA-C-O	-16.48	101.15	119.61
1	3A	154	SER	CA-C-O	-16.48	101.15	119.61
1	3I	154	SER	CA-C-O	-16.48	101.15	119.61
1	32	154	SER	CA-C-O	-16.48	101.15	119.61
1	4E	154	SER	CA-C-O	-16.48	101.15	119.61
1	4Y	154	SER	CA-C-O	-16.48	101.15	119.61
1	5U	154	SER	CA-C-O	-16.48	101.15	119.61
1	6M	154	SER	CA-C-O	-16.48	101.15	119.61
1	6U	154	SER	CA-C-O	-16.48	101.15	119.61
1	7E	154	SER	CA-C-O	-16.48	101.15	119.61
1	7Q	154	SER	CA-C-O	-16.48	101.15	119.61
1	1M	146	ASN	CA-CB-CG	-16.48	96.12	112.60
2	1R	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	1V	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	1Z	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
1	2I	146	ASN	CA-CB-CG	-16.48	96.12	112.60
2	2R	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	2V	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	2Z	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
1	3A	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	3I	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	32	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	4E	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	4Y	146	ASN	CA-CB-CG	-16.48	96.12	112.60
2	43	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	47	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	5B	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5U	146	ASN	CA-CB-CG	-16.48	96.12	112.60
2	53	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	57	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	6B	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
1	6M	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	6U	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	7E	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	7Q	146	ASN	CA-CB-CG	-16.48	96.12	112.60
2	1B	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	1J	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	2F	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	27	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	3F	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	4B	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	4N	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	4V	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	5R	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	6J	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	6R	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
2	7N	218	ARG	NE-CZ-NH1	-16.48	105.02	121.50
1	1A	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	1I	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	2E	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	26	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	3E	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	4A	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	4M	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	4U	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	5Q	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	6I	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	6Q	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	7M	146	ASN	CA-CB-CG	-16.48	96.12	112.60
1	12	146	ASN	CA-CB-CG	-16.47	96.13	112.60
1	16	146	ASN	CA-CB-CG	-16.47	96.13	112.60
1	2A	146	ASN	CA-CB-CG	-16.47	96.13	112.60
1	3Q	146	ASN	CA-CB-CG	-16.47	96.13	112.60
1	3U	146	ASN	CA-CB-CG	-16.47	96.13	112.60
1	3Y	146	ASN	CA-CB-CG	-16.47	96.13	112.60
1	5E	146	ASN	CA-CB-CG	-16.47	96.13	112.60
1	5I	146	ASN	CA-CB-CG	-16.47	96.13	112.60
1	5M	146	ASN	CA-CB-CG	-16.47	96.13	112.60
1	62	146	ASN	CA-CB-CG	-16.47	96.13	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	146	ASN	CA-CB-CG	-16.47	96.13	112.60
1	7A	146	ASN	CA-CB-CG	-16.47	96.13	112.60
2	1N	218	ARG	NE-CZ-NH1	-16.46	105.04	121.50
1	1Q	16	THR	O-C-N	-16.46	92.72	122.34
1	1Q	146	ASN	CA-CB-CG	-16.46	96.14	112.60
1	1U	16	THR	O-C-N	-16.46	92.72	122.34
1	1U	146	ASN	CA-CB-CG	-16.46	96.14	112.60
1	1Y	16	THR	O-C-N	-16.46	92.72	122.34
1	1Y	146	ASN	CA-CB-CG	-16.46	96.14	112.60
2	2J	218	ARG	NE-CZ-NH1	-16.46	105.04	121.50
1	2Q	16	THR	O-C-N	-16.46	92.72	122.34
1	2Q	146	ASN	CA-CB-CG	-16.46	96.14	112.60
1	2U	16	THR	O-C-N	-16.46	92.72	122.34
1	2U	146	ASN	CA-CB-CG	-16.46	96.14	112.60
1	2Y	16	THR	O-C-N	-16.46	92.72	122.34
1	2Y	146	ASN	CA-CB-CG	-16.46	96.14	112.60
2	3B	218	ARG	NE-CZ-NH1	-16.46	105.04	121.50
2	3J	218	ARG	NE-CZ-NH1	-16.46	105.04	121.50
2	33	218	ARG	NE-CZ-NH1	-16.46	105.04	121.50
2	4F	218	ARG	NE-CZ-NH1	-16.46	105.04	121.50
2	4Z	218	ARG	NE-CZ-NH1	-16.46	105.04	121.50
1	42	16	THR	O-C-N	-16.46	92.72	122.34
1	42	146	ASN	CA-CB-CG	-16.46	96.14	112.60
1	46	16	THR	O-C-N	-16.46	92.72	122.34
1	46	146	ASN	CA-CB-CG	-16.46	96.14	112.60
1	5A	16	THR	O-C-N	-16.46	92.72	122.34
1	5A	146	ASN	CA-CB-CG	-16.46	96.14	112.60
2	5V	218	ARG	NE-CZ-NH1	-16.46	105.04	121.50
1	52	16	THR	O-C-N	-16.46	92.72	122.34
1	52	146	ASN	CA-CB-CG	-16.46	96.14	112.60
1	56	16	THR	O-C-N	-16.46	92.72	122.34
1	56	146	ASN	CA-CB-CG	-16.46	96.14	112.60
1	6A	16	THR	O-C-N	-16.46	92.72	122.34
1	6A	146	ASN	CA-CB-CG	-16.46	96.14	112.60
2	6N	218	ARG	NE-CZ-NH1	-16.46	105.04	121.50
2	6V	218	ARG	NE-CZ-NH1	-16.46	105.04	121.50
2	7F	218	ARG	NE-CZ-NH1	-16.46	105.04	121.50
2	7R	218	ARG	NE-CZ-NH1	-16.46	105.04	121.50
1	1A	16	THR	O-C-N	-16.45	92.73	122.34
2	1B	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
2	1F	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
1	1I	16	THR	O-C-N	-16.45	92.73	122.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1J	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
1	2E	16	THR	O-C-N	-16.45	92.73	122.34
2	2F	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
2	2N	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
2	23	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
1	26	16	THR	O-C-N	-16.45	92.73	122.34
2	27	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
1	3E	16	THR	O-C-N	-16.45	92.73	122.34
2	3F	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
2	3N	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
2	37	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
1	4A	16	THR	O-C-N	-16.45	92.73	122.34
2	4B	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
2	4J	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
1	4M	16	THR	O-C-N	-16.45	92.73	122.34
2	4N	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
2	4R	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
1	4U	16	THR	O-C-N	-16.45	92.73	122.34
2	4V	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
1	5Q	16	THR	O-C-N	-16.45	92.73	122.34
2	5R	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
2	5Z	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
2	6F	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
1	6I	16	THR	O-C-N	-16.45	92.73	122.34
2	6J	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
1	6Q	16	THR	O-C-N	-16.45	92.73	122.34
2	6R	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
2	6Z	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
2	7J	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
1	7M	16	THR	O-C-N	-16.45	92.73	122.34
2	7N	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
2	7V	74	TYR	CB-CG-CD2	-16.45	96.12	120.80
1	12	16	THR	O-C-N	-16.45	92.73	122.34
1	16	16	THR	O-C-N	-16.45	92.73	122.34
1	2A	16	THR	O-C-N	-16.45	92.73	122.34
1	3Q	16	THR	O-C-N	-16.45	92.73	122.34
1	3U	16	THR	O-C-N	-16.45	92.73	122.34
1	3Y	16	THR	O-C-N	-16.45	92.73	122.34
1	5E	16	THR	O-C-N	-16.45	92.73	122.34
1	5I	16	THR	O-C-N	-16.45	92.73	122.34
1	5M	16	THR	O-C-N	-16.45	92.73	122.34
1	62	16	THR	O-C-N	-16.45	92.73	122.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	16	THR	O-C-N	-16.45	92.73	122.34
1	7A	16	THR	O-C-N	-16.45	92.73	122.34
2	1R	74	TYR	CB-CG-CD2	-16.45	96.13	120.80
2	1V	74	TYR	CB-CG-CD2	-16.45	96.13	120.80
2	1Z	74	TYR	CB-CG-CD2	-16.45	96.13	120.80
2	2R	74	TYR	CB-CG-CD2	-16.45	96.13	120.80
2	2V	74	TYR	CB-CG-CD2	-16.45	96.13	120.80
2	2Z	74	TYR	CB-CG-CD2	-16.45	96.13	120.80
2	43	74	TYR	CB-CG-CD2	-16.45	96.13	120.80
2	47	74	TYR	CB-CG-CD2	-16.45	96.13	120.80
2	5B	74	TYR	CB-CG-CD2	-16.45	96.13	120.80
2	53	74	TYR	CB-CG-CD2	-16.45	96.13	120.80
2	57	74	TYR	CB-CG-CD2	-16.45	96.13	120.80
2	6B	74	TYR	CB-CG-CD2	-16.45	96.13	120.80
2	1F	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	13	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	17	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	2B	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	2N	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	23	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	3N	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	3R	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	3V	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	3Z	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	37	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	4J	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	4R	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	5F	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	5J	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	5N	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	5Z	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	6F	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	6Z	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	63	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	67	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	7B	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	7J	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
2	7V	42	HIS	CB-CG-ND1	-16.44	98.03	122.70
1	1M	16	THR	O-C-N	-16.44	92.75	122.34
2	1R	25	SER	CA-CB-OG	16.44	143.98	111.10
2	1V	25	SER	CA-CB-OG	16.44	143.98	111.10
2	1Z	25	SER	CA-CB-OG	16.44	143.98	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	16	THR	O-C-N	-16.44	92.75	122.34
2	2R	25	SER	CA-CB-OG	16.44	143.98	111.10
2	2V	25	SER	CA-CB-OG	16.44	143.98	111.10
2	2Z	25	SER	CA-CB-OG	16.44	143.98	111.10
1	3A	16	THR	O-C-N	-16.44	92.75	122.34
1	3I	16	THR	O-C-N	-16.44	92.75	122.34
1	32	16	THR	O-C-N	-16.44	92.75	122.34
1	4E	16	THR	O-C-N	-16.44	92.75	122.34
1	4Y	16	THR	O-C-N	-16.44	92.75	122.34
2	43	25	SER	CA-CB-OG	16.44	143.98	111.10
2	47	25	SER	CA-CB-OG	16.44	143.98	111.10
2	5B	25	SER	CA-CB-OG	16.44	143.98	111.10
1	5U	16	THR	O-C-N	-16.44	92.75	122.34
2	53	25	SER	CA-CB-OG	16.44	143.98	111.10
2	57	25	SER	CA-CB-OG	16.44	143.98	111.10
2	6B	25	SER	CA-CB-OG	16.44	143.98	111.10
1	6M	16	THR	O-C-N	-16.44	92.75	122.34
1	6U	16	THR	O-C-N	-16.44	92.75	122.34
1	7E	16	THR	O-C-N	-16.44	92.75	122.34
1	7Q	16	THR	O-C-N	-16.44	92.75	122.34
1	1E	16	THR	O-C-N	-16.44	92.75	122.34
1	1E	146	ASN	CA-CB-CG	-16.44	96.16	112.60
2	1F	25	SER	CA-CB-OG	16.44	143.98	111.10
2	1N	42	HIS	CB-CG-ND1	-16.44	98.04	122.70
2	2J	42	HIS	CB-CG-ND1	-16.44	98.04	122.70
1	2M	16	THR	O-C-N	-16.44	92.75	122.34
1	2M	146	ASN	CA-CB-CG	-16.44	96.16	112.60
2	2N	25	SER	CA-CB-OG	16.44	143.98	111.10
1	22	16	THR	O-C-N	-16.44	92.75	122.34
1	22	146	ASN	CA-CB-CG	-16.44	96.16	112.60
2	23	25	SER	CA-CB-OG	16.44	143.98	111.10
2	3B	42	HIS	CB-CG-ND1	-16.44	98.04	122.70
2	3J	42	HIS	CB-CG-ND1	-16.44	98.04	122.70
1	3M	16	THR	O-C-N	-16.44	92.75	122.34
1	3M	146	ASN	CA-CB-CG	-16.44	96.16	112.60
2	3N	25	SER	CA-CB-OG	16.44	143.98	111.10
2	33	42	HIS	CB-CG-ND1	-16.44	98.04	122.70
1	36	16	THR	O-C-N	-16.44	92.75	122.34
1	36	146	ASN	CA-CB-CG	-16.44	96.16	112.60
2	37	25	SER	CA-CB-OG	16.44	143.98	111.10
2	4F	42	HIS	CB-CG-ND1	-16.44	98.04	122.70
1	4I	16	THR	O-C-N	-16.44	92.75	122.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4I	146	ASN	CA-CB-CG	-16.44	96.16	112.60
2	4J	25	SER	CA-CB-OG	16.44	143.98	111.10
1	4Q	16	THR	O-C-N	-16.44	92.75	122.34
1	4Q	146	ASN	CA-CB-CG	-16.44	96.16	112.60
2	4R	25	SER	CA-CB-OG	16.44	143.98	111.10
2	4Z	42	HIS	CB-CG-ND1	-16.44	98.04	122.70
2	5V	42	HIS	CB-CG-ND1	-16.44	98.04	122.70
1	5Y	16	THR	O-C-N	-16.44	92.75	122.34
1	5Y	146	ASN	CA-CB-CG	-16.44	96.16	112.60
2	5Z	25	SER	CA-CB-OG	16.44	143.98	111.10
1	6E	16	THR	O-C-N	-16.44	92.75	122.34
1	6E	146	ASN	CA-CB-CG	-16.44	96.16	112.60
2	6F	25	SER	CA-CB-OG	16.44	143.98	111.10
2	6N	42	HIS	CB-CG-ND1	-16.44	98.04	122.70
2	6V	42	HIS	CB-CG-ND1	-16.44	98.04	122.70
1	6Y	16	THR	O-C-N	-16.44	92.75	122.34
1	6Y	146	ASN	CA-CB-CG	-16.44	96.16	112.60
2	6Z	25	SER	CA-CB-OG	16.44	143.98	111.10
2	7F	42	HIS	CB-CG-ND1	-16.44	98.04	122.70
1	7I	16	THR	O-C-N	-16.44	92.75	122.34
1	7I	146	ASN	CA-CB-CG	-16.44	96.16	112.60
2	7J	25	SER	CA-CB-OG	16.44	143.98	111.10
2	7R	42	HIS	CB-CG-ND1	-16.44	98.04	122.70
1	7U	16	THR	O-C-N	-16.44	92.75	122.34
1	7U	146	ASN	CA-CB-CG	-16.44	96.16	112.60
2	7V	25	SER	CA-CB-OG	16.44	143.98	111.10
2	1N	25	SER	CA-CB-OG	16.43	143.97	111.10
2	1R	73	GLY	O-C-N	16.43	137.52	122.57
2	1V	73	GLY	O-C-N	16.43	137.52	122.57
2	1Z	73	GLY	O-C-N	16.43	137.52	122.57
2	13	25	SER	CA-CB-OG	16.43	143.97	111.10
2	17	25	SER	CA-CB-OG	16.43	143.97	111.10
2	2B	25	SER	CA-CB-OG	16.43	143.97	111.10
2	2J	25	SER	CA-CB-OG	16.43	143.97	111.10
2	2R	73	GLY	O-C-N	16.43	137.52	122.57
2	2V	73	GLY	O-C-N	16.43	137.52	122.57
2	2Z	73	GLY	O-C-N	16.43	137.52	122.57
2	3B	25	SER	CA-CB-OG	16.43	143.97	111.10
2	3J	25	SER	CA-CB-OG	16.43	143.97	111.10
2	3R	25	SER	CA-CB-OG	16.43	143.97	111.10
2	3V	25	SER	CA-CB-OG	16.43	143.97	111.10
2	3Z	25	SER	CA-CB-OG	16.43	143.97	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	25	SER	CA-CB-OG	16.43	143.97	111.10
2	4F	25	SER	CA-CB-OG	16.43	143.97	111.10
2	4Z	25	SER	CA-CB-OG	16.43	143.97	111.10
2	43	73	GLY	O-C-N	16.43	137.52	122.57
2	47	73	GLY	O-C-N	16.43	137.52	122.57
2	5B	73	GLY	O-C-N	16.43	137.52	122.57
2	5F	25	SER	CA-CB-OG	16.43	143.97	111.10
2	5J	25	SER	CA-CB-OG	16.43	143.97	111.10
2	5N	25	SER	CA-CB-OG	16.43	143.97	111.10
2	5V	25	SER	CA-CB-OG	16.43	143.97	111.10
2	53	73	GLY	O-C-N	16.43	137.52	122.57
2	57	73	GLY	O-C-N	16.43	137.52	122.57
2	6B	73	GLY	O-C-N	16.43	137.52	122.57
2	6N	25	SER	CA-CB-OG	16.43	143.97	111.10
2	6V	25	SER	CA-CB-OG	16.43	143.97	111.10
2	63	25	SER	CA-CB-OG	16.43	143.97	111.10
2	67	25	SER	CA-CB-OG	16.43	143.97	111.10
2	7B	25	SER	CA-CB-OG	16.43	143.97	111.10
2	7F	25	SER	CA-CB-OG	16.43	143.97	111.10
2	7R	25	SER	CA-CB-OG	16.43	143.97	111.10
2	1N	74	TYR	CB-CG-CD2	-16.43	96.15	120.80
2	2J	74	TYR	CB-CG-CD2	-16.43	96.15	120.80
2	3B	74	TYR	CB-CG-CD2	-16.43	96.15	120.80
2	3J	74	TYR	CB-CG-CD2	-16.43	96.15	120.80
2	33	74	TYR	CB-CG-CD2	-16.43	96.15	120.80
2	4F	74	TYR	CB-CG-CD2	-16.43	96.15	120.80
2	4Z	74	TYR	CB-CG-CD2	-16.43	96.15	120.80
2	5V	74	TYR	CB-CG-CD2	-16.43	96.15	120.80
2	6N	74	TYR	CB-CG-CD2	-16.43	96.15	120.80
2	6V	74	TYR	CB-CG-CD2	-16.43	96.15	120.80
2	7F	74	TYR	CB-CG-CD2	-16.43	96.15	120.80
2	7R	74	TYR	CB-CG-CD2	-16.43	96.15	120.80
2	1B	25	SER	CA-CB-OG	16.43	143.95	111.10
2	1J	25	SER	CA-CB-OG	16.43	143.95	111.10
2	2F	25	SER	CA-CB-OG	16.43	143.95	111.10
2	27	25	SER	CA-CB-OG	16.43	143.95	111.10
2	3F	25	SER	CA-CB-OG	16.43	143.95	111.10
2	4B	25	SER	CA-CB-OG	16.43	143.95	111.10
2	4N	25	SER	CA-CB-OG	16.43	143.95	111.10
2	4V	25	SER	CA-CB-OG	16.43	143.95	111.10
2	5R	25	SER	CA-CB-OG	16.43	143.95	111.10
2	6J	25	SER	CA-CB-OG	16.43	143.95	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	25	SER	CA-CB-OG	16.43	143.95	111.10
2	7N	25	SER	CA-CB-OG	16.43	143.95	111.10
2	13	74	TYR	CB-CG-CD2	-16.42	96.16	120.80
2	17	74	TYR	CB-CG-CD2	-16.42	96.16	120.80
2	2B	74	TYR	CB-CG-CD2	-16.42	96.16	120.80
2	3R	74	TYR	CB-CG-CD2	-16.42	96.16	120.80
2	3V	74	TYR	CB-CG-CD2	-16.42	96.16	120.80
2	3Z	74	TYR	CB-CG-CD2	-16.42	96.16	120.80
2	5F	74	TYR	CB-CG-CD2	-16.42	96.16	120.80
2	5J	74	TYR	CB-CG-CD2	-16.42	96.16	120.80
2	5N	74	TYR	CB-CG-CD2	-16.42	96.16	120.80
2	63	74	TYR	CB-CG-CD2	-16.42	96.16	120.80
2	67	74	TYR	CB-CG-CD2	-16.42	96.16	120.80
2	7B	74	TYR	CB-CG-CD2	-16.42	96.16	120.80
2	1B	42	HIS	CB-CG-ND1	-16.42	98.07	122.70
2	1J	42	HIS	CB-CG-ND1	-16.42	98.07	122.70
2	2F	42	HIS	CB-CG-ND1	-16.42	98.07	122.70
2	27	42	HIS	CB-CG-ND1	-16.42	98.07	122.70
2	3F	42	HIS	CB-CG-ND1	-16.42	98.07	122.70
2	4B	42	HIS	CB-CG-ND1	-16.42	98.07	122.70
2	4N	42	HIS	CB-CG-ND1	-16.42	98.07	122.70
2	4V	42	HIS	CB-CG-ND1	-16.42	98.07	122.70
2	5R	42	HIS	CB-CG-ND1	-16.42	98.07	122.70
2	6J	42	HIS	CB-CG-ND1	-16.42	98.07	122.70
2	6R	42	HIS	CB-CG-ND1	-16.42	98.07	122.70
2	7N	42	HIS	CB-CG-ND1	-16.42	98.07	122.70
2	13	4	GLU	O-C-N	-16.42	100.75	122.59
2	17	4	GLU	O-C-N	-16.42	100.75	122.59
2	2B	4	GLU	O-C-N	-16.42	100.75	122.59
2	3R	4	GLU	O-C-N	-16.42	100.75	122.59
2	3V	4	GLU	O-C-N	-16.42	100.75	122.59
2	3Z	4	GLU	O-C-N	-16.42	100.75	122.59
2	5F	4	GLU	O-C-N	-16.42	100.75	122.59
2	5J	4	GLU	O-C-N	-16.42	100.75	122.59
2	5N	4	GLU	O-C-N	-16.42	100.75	122.59
2	63	4	GLU	O-C-N	-16.42	100.75	122.59
2	67	4	GLU	O-C-N	-16.42	100.75	122.59
2	7B	4	GLU	O-C-N	-16.42	100.75	122.59
2	1R	42	HIS	CB-CG-ND1	-16.41	98.08	122.70
2	1V	42	HIS	CB-CG-ND1	-16.41	98.08	122.70
2	1Z	42	HIS	CB-CG-ND1	-16.41	98.08	122.70
2	2R	42	HIS	CB-CG-ND1	-16.41	98.08	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	42	HIS	CB-CG-ND1	-16.41	98.08	122.70
2	2Z	42	HIS	CB-CG-ND1	-16.41	98.08	122.70
2	43	42	HIS	CB-CG-ND1	-16.41	98.08	122.70
2	47	42	HIS	CB-CG-ND1	-16.41	98.08	122.70
2	5B	42	HIS	CB-CG-ND1	-16.41	98.08	122.70
2	53	42	HIS	CB-CG-ND1	-16.41	98.08	122.70
2	57	42	HIS	CB-CG-ND1	-16.41	98.08	122.70
2	6B	42	HIS	CB-CG-ND1	-16.41	98.08	122.70
2	1F	73	GLY	O-C-N	16.41	137.50	122.57
2	1R	4	GLU	O-C-N	-16.41	100.77	122.59
2	1V	4	GLU	O-C-N	-16.41	100.77	122.59
2	1Z	4	GLU	O-C-N	-16.41	100.77	122.59
2	2N	73	GLY	O-C-N	16.41	137.50	122.57
2	2R	4	GLU	O-C-N	-16.41	100.77	122.59
2	2V	4	GLU	O-C-N	-16.41	100.77	122.59
2	2Z	4	GLU	O-C-N	-16.41	100.77	122.59
2	23	73	GLY	O-C-N	16.41	137.50	122.57
2	3N	73	GLY	O-C-N	16.41	137.50	122.57
2	37	73	GLY	O-C-N	16.41	137.50	122.57
2	4J	73	GLY	O-C-N	16.41	137.50	122.57
2	4R	73	GLY	O-C-N	16.41	137.50	122.57
2	43	4	GLU	O-C-N	-16.41	100.77	122.59
2	47	4	GLU	O-C-N	-16.41	100.77	122.59
2	5B	4	GLU	O-C-N	-16.41	100.77	122.59
2	5Z	73	GLY	O-C-N	16.41	137.50	122.57
2	53	4	GLU	O-C-N	-16.41	100.77	122.59
2	57	4	GLU	O-C-N	-16.41	100.77	122.59
2	6B	4	GLU	O-C-N	-16.41	100.77	122.59
2	6F	73	GLY	O-C-N	16.41	137.50	122.57
2	6Z	73	GLY	O-C-N	16.41	137.50	122.57
2	7J	73	GLY	O-C-N	16.41	137.50	122.57
2	7V	73	GLY	O-C-N	16.41	137.50	122.57
2	13	73	GLY	O-C-N	16.40	137.50	122.57
2	17	73	GLY	O-C-N	16.40	137.50	122.57
2	2B	73	GLY	O-C-N	16.40	137.50	122.57
2	3R	73	GLY	O-C-N	16.40	137.50	122.57
2	3V	73	GLY	O-C-N	16.40	137.50	122.57
2	3Z	73	GLY	O-C-N	16.40	137.50	122.57
2	5F	73	GLY	O-C-N	16.40	137.50	122.57
2	5J	73	GLY	O-C-N	16.40	137.50	122.57
2	5N	73	GLY	O-C-N	16.40	137.50	122.57
2	63	73	GLY	O-C-N	16.40	137.50	122.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	73	GLY	O-C-N	16.40	137.50	122.57
2	7B	73	GLY	O-C-N	16.40	137.50	122.57
2	1N	73	GLY	O-C-N	16.40	137.50	122.57
2	2J	73	GLY	O-C-N	16.40	137.50	122.57
2	3B	73	GLY	O-C-N	16.40	137.50	122.57
2	3J	73	GLY	O-C-N	16.40	137.50	122.57
2	33	73	GLY	O-C-N	16.40	137.50	122.57
2	4F	73	GLY	O-C-N	16.40	137.50	122.57
2	4Z	73	GLY	O-C-N	16.40	137.50	122.57
2	5V	73	GLY	O-C-N	16.40	137.50	122.57
2	6N	73	GLY	O-C-N	16.40	137.50	122.57
2	6V	73	GLY	O-C-N	16.40	137.50	122.57
2	7F	73	GLY	O-C-N	16.40	137.50	122.57
2	7R	73	GLY	O-C-N	16.40	137.50	122.57
2	1B	4	GLU	O-C-N	-16.39	100.79	122.59
2	1J	4	GLU	O-C-N	-16.39	100.79	122.59
2	2F	4	GLU	O-C-N	-16.39	100.79	122.59
2	27	4	GLU	O-C-N	-16.39	100.79	122.59
2	3F	4	GLU	O-C-N	-16.39	100.79	122.59
2	4B	4	GLU	O-C-N	-16.39	100.79	122.59
2	4N	4	GLU	O-C-N	-16.39	100.79	122.59
2	4V	4	GLU	O-C-N	-16.39	100.79	122.59
2	5R	4	GLU	O-C-N	-16.39	100.79	122.59
2	6J	4	GLU	O-C-N	-16.39	100.79	122.59
2	6R	4	GLU	O-C-N	-16.39	100.79	122.59
2	7N	4	GLU	O-C-N	-16.39	100.79	122.59
2	1B	73	GLY	O-C-N	16.38	137.47	122.57
2	1J	73	GLY	O-C-N	16.38	137.47	122.57
2	2F	73	GLY	O-C-N	16.38	137.47	122.57
2	27	73	GLY	O-C-N	16.38	137.47	122.57
2	3F	73	GLY	O-C-N	16.38	137.47	122.57
2	4B	73	GLY	O-C-N	16.38	137.47	122.57
2	4N	73	GLY	O-C-N	16.38	137.47	122.57
2	4V	73	GLY	O-C-N	16.38	137.47	122.57
2	5R	73	GLY	O-C-N	16.38	137.47	122.57
2	6J	73	GLY	O-C-N	16.38	137.47	122.57
2	6R	73	GLY	O-C-N	16.38	137.47	122.57
2	7N	73	GLY	O-C-N	16.38	137.47	122.57
2	1N	4	GLU	O-C-N	-16.38	100.81	122.59
2	2J	4	GLU	O-C-N	-16.38	100.81	122.59
2	3B	4	GLU	O-C-N	-16.38	100.81	122.59
2	3J	4	GLU	O-C-N	-16.38	100.81	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	4	GLU	O-C-N	-16.38	100.81	122.59
2	4F	4	GLU	O-C-N	-16.38	100.81	122.59
2	4Z	4	GLU	O-C-N	-16.38	100.81	122.59
2	5V	4	GLU	O-C-N	-16.38	100.81	122.59
2	6N	4	GLU	O-C-N	-16.38	100.81	122.59
2	6V	4	GLU	O-C-N	-16.38	100.81	122.59
2	7F	4	GLU	O-C-N	-16.38	100.81	122.59
2	7R	4	GLU	O-C-N	-16.38	100.81	122.59
2	1R	227	TYR	CB-CG-CD1	-16.37	96.25	120.80
2	1V	227	TYR	CB-CG-CD1	-16.37	96.25	120.80
2	1Z	227	TYR	CB-CG-CD1	-16.37	96.25	120.80
2	2R	227	TYR	CB-CG-CD1	-16.37	96.25	120.80
2	2V	227	TYR	CB-CG-CD1	-16.37	96.25	120.80
2	2Z	227	TYR	CB-CG-CD1	-16.37	96.25	120.80
2	43	227	TYR	CB-CG-CD1	-16.37	96.25	120.80
2	47	227	TYR	CB-CG-CD1	-16.37	96.25	120.80
2	5B	227	TYR	CB-CG-CD1	-16.37	96.25	120.80
2	53	227	TYR	CB-CG-CD1	-16.37	96.25	120.80
2	57	227	TYR	CB-CG-CD1	-16.37	96.25	120.80
2	6B	227	TYR	CB-CG-CD1	-16.37	96.25	120.80
2	1F	227	TYR	CB-CG-CD1	-16.36	96.27	120.80
2	13	227	TYR	CB-CG-CD1	-16.36	96.26	120.80
2	17	227	TYR	CB-CG-CD1	-16.36	96.26	120.80
2	2B	227	TYR	CB-CG-CD1	-16.36	96.26	120.80
2	2N	227	TYR	CB-CG-CD1	-16.36	96.27	120.80
2	23	227	TYR	CB-CG-CD1	-16.36	96.27	120.80
2	3N	227	TYR	CB-CG-CD1	-16.36	96.27	120.80
2	3R	227	TYR	CB-CG-CD1	-16.36	96.26	120.80
2	3V	227	TYR	CB-CG-CD1	-16.36	96.26	120.80
2	3Z	227	TYR	CB-CG-CD1	-16.36	96.26	120.80
2	37	227	TYR	CB-CG-CD1	-16.36	96.27	120.80
2	4J	227	TYR	CB-CG-CD1	-16.36	96.27	120.80
2	4R	227	TYR	CB-CG-CD1	-16.36	96.27	120.80
2	5F	227	TYR	CB-CG-CD1	-16.36	96.26	120.80
2	5J	227	TYR	CB-CG-CD1	-16.36	96.26	120.80
2	5N	227	TYR	CB-CG-CD1	-16.36	96.26	120.80
2	5Z	227	TYR	CB-CG-CD1	-16.36	96.27	120.80
2	6F	227	TYR	CB-CG-CD1	-16.36	96.27	120.80
2	6Z	227	TYR	CB-CG-CD1	-16.36	96.27	120.80
2	63	227	TYR	CB-CG-CD1	-16.36	96.26	120.80
2	67	227	TYR	CB-CG-CD1	-16.36	96.26	120.80
2	7B	227	TYR	CB-CG-CD1	-16.36	96.26	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	227	TYR	CB-CG-CD1	-16.36	96.27	120.80
2	7V	227	TYR	CB-CG-CD1	-16.36	96.27	120.80
2	1N	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	2J	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	3B	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	3J	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	33	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	4F	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	4Z	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	5V	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	6N	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	6V	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	7F	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	7R	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	1B	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	1F	4	GLU	O-C-N	-16.35	100.84	122.59
2	1J	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	2F	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	2N	4	GLU	O-C-N	-16.35	100.84	122.59
2	23	4	GLU	O-C-N	-16.35	100.84	122.59
2	27	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	3F	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	3N	4	GLU	O-C-N	-16.35	100.84	122.59
2	37	4	GLU	O-C-N	-16.35	100.84	122.59
2	4B	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	4J	4	GLU	O-C-N	-16.35	100.84	122.59
2	4N	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	4R	4	GLU	O-C-N	-16.35	100.84	122.59
2	4V	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	5R	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	5Z	4	GLU	O-C-N	-16.35	100.84	122.59
2	6F	4	GLU	O-C-N	-16.35	100.84	122.59
2	6J	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	6R	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	6Z	4	GLU	O-C-N	-16.35	100.84	122.59
2	7J	4	GLU	O-C-N	-16.35	100.84	122.59
2	7N	227	TYR	CB-CG-CD1	-16.35	96.27	120.80
2	7V	4	GLU	O-C-N	-16.35	100.84	122.59
2	1F	68	PRO	N-CA-CB	16.34	120.40	103.25
2	2N	68	PRO	N-CA-CB	16.34	120.40	103.25
2	23	68	PRO	N-CA-CB	16.34	120.40	103.25
2	3N	68	PRO	N-CA-CB	16.34	120.40	103.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	68	PRO	N-CA-CB	16.34	120.40	103.25
2	4J	68	PRO	N-CA-CB	16.34	120.40	103.25
2	4R	68	PRO	N-CA-CB	16.34	120.40	103.25
2	5Z	68	PRO	N-CA-CB	16.34	120.40	103.25
2	6F	68	PRO	N-CA-CB	16.34	120.40	103.25
2	6Z	68	PRO	N-CA-CB	16.34	120.40	103.25
2	7J	68	PRO	N-CA-CB	16.34	120.40	103.25
2	7V	68	PRO	N-CA-CB	16.34	120.40	103.25
2	1N	68	PRO	N-CA-CB	16.31	120.37	103.25
2	2J	68	PRO	N-CA-CB	16.31	120.37	103.25
2	3B	68	PRO	N-CA-CB	16.31	120.37	103.25
2	3J	68	PRO	N-CA-CB	16.31	120.37	103.25
2	33	68	PRO	N-CA-CB	16.31	120.37	103.25
2	4F	68	PRO	N-CA-CB	16.31	120.37	103.25
2	4Z	68	PRO	N-CA-CB	16.31	120.37	103.25
2	5V	68	PRO	N-CA-CB	16.31	120.37	103.25
2	6N	68	PRO	N-CA-CB	16.31	120.37	103.25
2	6V	68	PRO	N-CA-CB	16.31	120.37	103.25
2	7F	68	PRO	N-CA-CB	16.31	120.37	103.25
2	7R	68	PRO	N-CA-CB	16.31	120.37	103.25
2	1B	68	PRO	N-CA-CB	16.30	120.37	103.25
2	1J	68	PRO	N-CA-CB	16.30	120.37	103.25
2	2F	68	PRO	N-CA-CB	16.30	120.37	103.25
2	27	68	PRO	N-CA-CB	16.30	120.37	103.25
2	3F	68	PRO	N-CA-CB	16.30	120.37	103.25
2	4B	68	PRO	N-CA-CB	16.30	120.37	103.25
2	4N	68	PRO	N-CA-CB	16.30	120.37	103.25
2	4V	68	PRO	N-CA-CB	16.30	120.37	103.25
2	5R	68	PRO	N-CA-CB	16.30	120.37	103.25
2	6J	68	PRO	N-CA-CB	16.30	120.37	103.25
2	6R	68	PRO	N-CA-CB	16.30	120.37	103.25
2	7N	68	PRO	N-CA-CB	16.30	120.37	103.25
2	13	68	PRO	N-CA-CB	16.30	120.36	103.25
2	17	68	PRO	N-CA-CB	16.30	120.36	103.25
2	2B	68	PRO	N-CA-CB	16.30	120.36	103.25
2	3R	68	PRO	N-CA-CB	16.30	120.36	103.25
2	3V	68	PRO	N-CA-CB	16.30	120.36	103.25
2	3Z	68	PRO	N-CA-CB	16.30	120.36	103.25
2	5F	68	PRO	N-CA-CB	16.30	120.36	103.25
2	5J	68	PRO	N-CA-CB	16.30	120.36	103.25
2	5N	68	PRO	N-CA-CB	16.30	120.36	103.25
2	63	68	PRO	N-CA-CB	16.30	120.36	103.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	68	PRO	N-CA-CB	16.30	120.36	103.25
2	7B	68	PRO	N-CA-CB	16.30	120.36	103.25
1	12	34	ALA	CA-C-N	-16.30	96.29	122.36
1	12	34	ALA	C-N-CA	-16.30	96.29	122.36
1	16	34	ALA	CA-C-N	-16.30	96.29	122.36
1	16	34	ALA	C-N-CA	-16.30	96.29	122.36
1	2A	34	ALA	CA-C-N	-16.30	96.29	122.36
1	2A	34	ALA	C-N-CA	-16.30	96.29	122.36
1	3Q	34	ALA	CA-C-N	-16.30	96.29	122.36
1	3Q	34	ALA	C-N-CA	-16.30	96.29	122.36
1	3U	34	ALA	CA-C-N	-16.30	96.29	122.36
1	3U	34	ALA	C-N-CA	-16.30	96.29	122.36
1	3Y	34	ALA	CA-C-N	-16.30	96.29	122.36
1	3Y	34	ALA	C-N-CA	-16.30	96.29	122.36
1	5E	34	ALA	CA-C-N	-16.30	96.29	122.36
1	5E	34	ALA	C-N-CA	-16.30	96.29	122.36
1	5I	34	ALA	CA-C-N	-16.30	96.29	122.36
1	5I	34	ALA	C-N-CA	-16.30	96.29	122.36
1	5M	34	ALA	CA-C-N	-16.30	96.29	122.36
1	5M	34	ALA	C-N-CA	-16.30	96.29	122.36
1	62	34	ALA	CA-C-N	-16.30	96.29	122.36
1	62	34	ALA	C-N-CA	-16.30	96.29	122.36
1	66	34	ALA	CA-C-N	-16.30	96.29	122.36
1	66	34	ALA	C-N-CA	-16.30	96.29	122.36
1	7A	34	ALA	CA-C-N	-16.30	96.29	122.36
1	7A	34	ALA	C-N-CA	-16.30	96.29	122.36
1	1Q	34	ALA	CA-C-N	-16.28	96.31	122.36
1	1Q	34	ALA	C-N-CA	-16.28	96.31	122.36
1	1U	34	ALA	CA-C-N	-16.28	96.31	122.36
1	1U	34	ALA	C-N-CA	-16.28	96.31	122.36
1	1Y	34	ALA	CA-C-N	-16.28	96.31	122.36
1	1Y	34	ALA	C-N-CA	-16.28	96.31	122.36
1	2Q	34	ALA	CA-C-N	-16.28	96.31	122.36
1	2Q	34	ALA	C-N-CA	-16.28	96.31	122.36
1	2U	34	ALA	CA-C-N	-16.28	96.31	122.36
1	2U	34	ALA	C-N-CA	-16.28	96.31	122.36
1	2Y	34	ALA	CA-C-N	-16.28	96.31	122.36
1	2Y	34	ALA	C-N-CA	-16.28	96.31	122.36
1	42	34	ALA	CA-C-N	-16.28	96.31	122.36
1	42	34	ALA	C-N-CA	-16.28	96.31	122.36
1	46	34	ALA	CA-C-N	-16.28	96.31	122.36
1	46	34	ALA	C-N-CA	-16.28	96.31	122.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	34	ALA	CA-C-N	-16.28	96.31	122.36
1	5A	34	ALA	C-N-CA	-16.28	96.31	122.36
1	52	34	ALA	CA-C-N	-16.28	96.31	122.36
1	52	34	ALA	C-N-CA	-16.28	96.31	122.36
1	56	34	ALA	CA-C-N	-16.28	96.31	122.36
1	56	34	ALA	C-N-CA	-16.28	96.31	122.36
1	6A	34	ALA	CA-C-N	-16.28	96.31	122.36
1	6A	34	ALA	C-N-CA	-16.28	96.31	122.36
1	1E	34	ALA	CA-C-N	-16.27	96.33	122.36
1	1E	34	ALA	C-N-CA	-16.27	96.33	122.36
1	2M	34	ALA	CA-C-N	-16.27	96.33	122.36
1	2M	34	ALA	C-N-CA	-16.27	96.33	122.36
1	22	34	ALA	CA-C-N	-16.27	96.33	122.36
1	22	34	ALA	C-N-CA	-16.27	96.33	122.36
1	3M	34	ALA	CA-C-N	-16.27	96.33	122.36
1	3M	34	ALA	C-N-CA	-16.27	96.33	122.36
1	36	34	ALA	CA-C-N	-16.27	96.33	122.36
1	36	34	ALA	C-N-CA	-16.27	96.33	122.36
1	4I	34	ALA	CA-C-N	-16.27	96.33	122.36
1	4I	34	ALA	C-N-CA	-16.27	96.33	122.36
1	4Q	34	ALA	CA-C-N	-16.27	96.33	122.36
1	4Q	34	ALA	C-N-CA	-16.27	96.33	122.36
1	5Y	34	ALA	CA-C-N	-16.27	96.33	122.36
1	5Y	34	ALA	C-N-CA	-16.27	96.33	122.36
1	6E	34	ALA	CA-C-N	-16.27	96.33	122.36
1	6E	34	ALA	C-N-CA	-16.27	96.33	122.36
1	6Y	34	ALA	CA-C-N	-16.27	96.33	122.36
1	6Y	34	ALA	C-N-CA	-16.27	96.33	122.36
1	7I	34	ALA	CA-C-N	-16.27	96.33	122.36
1	7I	34	ALA	C-N-CA	-16.27	96.33	122.36
1	7U	34	ALA	CA-C-N	-16.27	96.33	122.36
1	7U	34	ALA	C-N-CA	-16.27	96.33	122.36
1	1A	34	ALA	CA-C-N	-16.27	96.33	122.36
1	1A	34	ALA	C-N-CA	-16.27	96.33	122.36
1	1I	34	ALA	CA-C-N	-16.27	96.33	122.36
1	1I	34	ALA	C-N-CA	-16.27	96.33	122.36
1	1M	34	ALA	CA-C-N	-16.27	96.33	122.36
1	1M	34	ALA	C-N-CA	-16.27	96.33	122.36
1	2E	34	ALA	CA-C-N	-16.27	96.33	122.36
1	2E	34	ALA	C-N-CA	-16.27	96.33	122.36
1	2I	34	ALA	CA-C-N	-16.27	96.33	122.36
1	2I	34	ALA	C-N-CA	-16.27	96.33	122.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	26	34	ALA	CA-C-N	-16.27	96.33	122.36
1	26	34	ALA	C-N-CA	-16.27	96.33	122.36
1	3A	34	ALA	CA-C-N	-16.27	96.33	122.36
1	3A	34	ALA	C-N-CA	-16.27	96.33	122.36
1	3E	34	ALA	CA-C-N	-16.27	96.33	122.36
1	3E	34	ALA	C-N-CA	-16.27	96.33	122.36
1	3I	34	ALA	CA-C-N	-16.27	96.33	122.36
1	3I	34	ALA	C-N-CA	-16.27	96.33	122.36
1	32	34	ALA	CA-C-N	-16.27	96.33	122.36
1	32	34	ALA	C-N-CA	-16.27	96.33	122.36
1	4A	34	ALA	CA-C-N	-16.27	96.33	122.36
1	4A	34	ALA	C-N-CA	-16.27	96.33	122.36
1	4E	34	ALA	CA-C-N	-16.27	96.33	122.36
1	4E	34	ALA	C-N-CA	-16.27	96.33	122.36
1	4M	34	ALA	CA-C-N	-16.27	96.33	122.36
1	4M	34	ALA	C-N-CA	-16.27	96.33	122.36
1	4U	34	ALA	CA-C-N	-16.27	96.33	122.36
1	4U	34	ALA	C-N-CA	-16.27	96.33	122.36
1	4Y	34	ALA	CA-C-N	-16.27	96.33	122.36
1	4Y	34	ALA	C-N-CA	-16.27	96.33	122.36
1	5Q	34	ALA	CA-C-N	-16.27	96.33	122.36
1	5Q	34	ALA	C-N-CA	-16.27	96.33	122.36
1	5U	34	ALA	CA-C-N	-16.27	96.33	122.36
1	5U	34	ALA	C-N-CA	-16.27	96.33	122.36
1	6I	34	ALA	CA-C-N	-16.27	96.33	122.36
1	6I	34	ALA	C-N-CA	-16.27	96.33	122.36
1	6M	34	ALA	CA-C-N	-16.27	96.33	122.36
1	6M	34	ALA	C-N-CA	-16.27	96.33	122.36
1	6Q	34	ALA	CA-C-N	-16.27	96.33	122.36
1	6Q	34	ALA	C-N-CA	-16.27	96.33	122.36
1	6U	34	ALA	CA-C-N	-16.27	96.33	122.36
1	6U	34	ALA	C-N-CA	-16.27	96.33	122.36
1	7E	34	ALA	CA-C-N	-16.27	96.33	122.36
1	7E	34	ALA	C-N-CA	-16.27	96.33	122.36
1	7M	34	ALA	CA-C-N	-16.27	96.33	122.36
1	7M	34	ALA	C-N-CA	-16.27	96.33	122.36
1	7Q	34	ALA	CA-C-N	-16.27	96.33	122.36
1	7Q	34	ALA	C-N-CA	-16.27	96.33	122.36
2	1R	68	PRO	N-CA-CB	16.27	120.33	103.25
2	1V	68	PRO	N-CA-CB	16.27	120.33	103.25
2	1Z	68	PRO	N-CA-CB	16.27	120.33	103.25
2	2R	68	PRO	N-CA-CB	16.27	120.33	103.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	68	PRO	N-CA-CB	16.27	120.33	103.25
2	2Z	68	PRO	N-CA-CB	16.27	120.33	103.25
2	43	68	PRO	N-CA-CB	16.27	120.33	103.25
2	47	68	PRO	N-CA-CB	16.27	120.33	103.25
2	5B	68	PRO	N-CA-CB	16.27	120.33	103.25
2	53	68	PRO	N-CA-CB	16.27	120.33	103.25
2	57	68	PRO	N-CA-CB	16.27	120.33	103.25
2	6B	68	PRO	N-CA-CB	16.27	120.33	103.25
1	1M	95	THR	CB-CA-C	-16.20	77.72	109.95
1	2I	95	THR	CB-CA-C	-16.20	77.72	109.95
1	3A	95	THR	CB-CA-C	-16.20	77.72	109.95
1	3I	95	THR	CB-CA-C	-16.20	77.72	109.95
1	32	95	THR	CB-CA-C	-16.20	77.72	109.95
1	4E	95	THR	CB-CA-C	-16.20	77.72	109.95
1	4Y	95	THR	CB-CA-C	-16.20	77.72	109.95
1	5U	95	THR	CB-CA-C	-16.20	77.72	109.95
1	6M	95	THR	CB-CA-C	-16.20	77.72	109.95
1	6U	95	THR	CB-CA-C	-16.20	77.72	109.95
1	7E	95	THR	CB-CA-C	-16.20	77.72	109.95
1	7Q	95	THR	CB-CA-C	-16.20	77.72	109.95
1	1E	95	THR	CB-CA-C	-16.19	77.73	109.95
1	2M	95	THR	CB-CA-C	-16.19	77.73	109.95
1	22	95	THR	CB-CA-C	-16.19	77.73	109.95
1	3M	95	THR	CB-CA-C	-16.19	77.73	109.95
1	36	95	THR	CB-CA-C	-16.19	77.73	109.95
1	4I	95	THR	CB-CA-C	-16.19	77.73	109.95
1	4Q	95	THR	CB-CA-C	-16.19	77.73	109.95
1	5Y	95	THR	CB-CA-C	-16.19	77.73	109.95
1	6E	95	THR	CB-CA-C	-16.19	77.73	109.95
1	6Y	95	THR	CB-CA-C	-16.19	77.73	109.95
1	7I	95	THR	CB-CA-C	-16.19	77.73	109.95
1	7U	95	THR	CB-CA-C	-16.19	77.73	109.95
1	1Q	95	THR	CB-CA-C	-16.18	77.74	109.95
1	1U	95	THR	CB-CA-C	-16.18	77.74	109.95
1	1Y	95	THR	CB-CA-C	-16.18	77.74	109.95
1	2Q	95	THR	CB-CA-C	-16.18	77.74	109.95
1	2U	95	THR	CB-CA-C	-16.18	77.74	109.95
1	2Y	95	THR	CB-CA-C	-16.18	77.74	109.95
1	42	95	THR	CB-CA-C	-16.18	77.74	109.95
1	46	95	THR	CB-CA-C	-16.18	77.74	109.95
1	5A	95	THR	CB-CA-C	-16.18	77.74	109.95
1	52	95	THR	CB-CA-C	-16.18	77.74	109.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	95	THR	CB-CA-C	-16.18	77.74	109.95
1	6A	95	THR	CB-CA-C	-16.18	77.74	109.95
1	12	95	THR	CB-CA-C	-16.18	77.75	109.95
1	16	95	THR	CB-CA-C	-16.18	77.75	109.95
1	2A	95	THR	CB-CA-C	-16.18	77.75	109.95
1	3Q	95	THR	CB-CA-C	-16.18	77.75	109.95
1	3U	95	THR	CB-CA-C	-16.18	77.75	109.95
1	3Y	95	THR	CB-CA-C	-16.18	77.75	109.95
1	5E	95	THR	CB-CA-C	-16.18	77.75	109.95
1	5I	95	THR	CB-CA-C	-16.18	77.75	109.95
1	5M	95	THR	CB-CA-C	-16.18	77.75	109.95
1	62	95	THR	CB-CA-C	-16.18	77.75	109.95
1	66	95	THR	CB-CA-C	-16.18	77.75	109.95
1	7A	95	THR	CB-CA-C	-16.18	77.75	109.95
1	1A	95	THR	CB-CA-C	-16.18	77.75	109.95
1	1I	95	THR	CB-CA-C	-16.18	77.75	109.95
1	2E	95	THR	CB-CA-C	-16.18	77.75	109.95
1	26	95	THR	CB-CA-C	-16.18	77.75	109.95
1	3E	95	THR	CB-CA-C	-16.18	77.75	109.95
1	4A	95	THR	CB-CA-C	-16.18	77.75	109.95
1	4M	95	THR	CB-CA-C	-16.18	77.75	109.95
1	4U	95	THR	CB-CA-C	-16.18	77.75	109.95
1	5Q	95	THR	CB-CA-C	-16.18	77.75	109.95
1	6I	95	THR	CB-CA-C	-16.18	77.75	109.95
1	6Q	95	THR	CB-CA-C	-16.18	77.75	109.95
1	7M	95	THR	CB-CA-C	-16.18	77.75	109.95
1	1M	149	THR	CA-CB-CG2	-16.14	83.07	110.50
1	2I	149	THR	CA-CB-CG2	-16.14	83.07	110.50
1	3A	149	THR	CA-CB-CG2	-16.14	83.07	110.50
1	3I	149	THR	CA-CB-CG2	-16.14	83.07	110.50
1	32	149	THR	CA-CB-CG2	-16.14	83.07	110.50
1	4E	149	THR	CA-CB-CG2	-16.14	83.07	110.50
1	4Y	149	THR	CA-CB-CG2	-16.14	83.07	110.50
1	5U	149	THR	CA-CB-CG2	-16.14	83.07	110.50
1	6M	149	THR	CA-CB-CG2	-16.14	83.07	110.50
1	6U	149	THR	CA-CB-CG2	-16.14	83.07	110.50
1	7E	149	THR	CA-CB-CG2	-16.14	83.07	110.50
1	7Q	149	THR	CA-CB-CG2	-16.14	83.07	110.50
1	12	149	THR	CA-CB-CG2	-16.13	83.08	110.50
1	16	149	THR	CA-CB-CG2	-16.13	83.08	110.50
1	2A	149	THR	CA-CB-CG2	-16.13	83.08	110.50
1	3Q	149	THR	CA-CB-CG2	-16.13	83.08	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	149	THR	CA-CB-CG2	-16.13	83.08	110.50
1	3Y	149	THR	CA-CB-CG2	-16.13	83.08	110.50
1	5E	149	THR	CA-CB-CG2	-16.13	83.08	110.50
1	5I	149	THR	CA-CB-CG2	-16.13	83.08	110.50
1	5M	149	THR	CA-CB-CG2	-16.13	83.08	110.50
1	62	149	THR	CA-CB-CG2	-16.13	83.08	110.50
1	66	149	THR	CA-CB-CG2	-16.13	83.08	110.50
1	7A	149	THR	CA-CB-CG2	-16.13	83.08	110.50
1	1E	149	THR	CA-CB-CG2	-16.12	83.09	110.50
1	2M	149	THR	CA-CB-CG2	-16.12	83.09	110.50
1	22	149	THR	CA-CB-CG2	-16.12	83.09	110.50
1	3M	149	THR	CA-CB-CG2	-16.12	83.09	110.50
1	36	149	THR	CA-CB-CG2	-16.12	83.09	110.50
1	4I	149	THR	CA-CB-CG2	-16.12	83.09	110.50
1	4Q	149	THR	CA-CB-CG2	-16.12	83.09	110.50
1	5Y	149	THR	CA-CB-CG2	-16.12	83.09	110.50
1	6E	149	THR	CA-CB-CG2	-16.12	83.09	110.50
1	6Y	149	THR	CA-CB-CG2	-16.12	83.09	110.50
1	7I	149	THR	CA-CB-CG2	-16.12	83.09	110.50
1	7U	149	THR	CA-CB-CG2	-16.12	83.09	110.50
1	1A	149	THR	CA-CB-CG2	-16.11	83.11	110.50
1	1I	149	THR	CA-CB-CG2	-16.11	83.11	110.50
1	2E	149	THR	CA-CB-CG2	-16.11	83.11	110.50
1	26	149	THR	CA-CB-CG2	-16.11	83.11	110.50
1	3E	149	THR	CA-CB-CG2	-16.11	83.11	110.50
1	4A	149	THR	CA-CB-CG2	-16.11	83.11	110.50
1	4M	149	THR	CA-CB-CG2	-16.11	83.11	110.50
1	4U	149	THR	CA-CB-CG2	-16.11	83.11	110.50
1	5Q	149	THR	CA-CB-CG2	-16.11	83.11	110.50
1	6I	149	THR	CA-CB-CG2	-16.11	83.11	110.50
1	6Q	149	THR	CA-CB-CG2	-16.11	83.11	110.50
1	7M	149	THR	CA-CB-CG2	-16.11	83.11	110.50
1	1M	183	GLN	OE1-CD-NE2	16.11	138.71	122.60
1	2I	183	GLN	OE1-CD-NE2	16.11	138.71	122.60
1	3A	183	GLN	OE1-CD-NE2	16.11	138.71	122.60
1	3I	183	GLN	OE1-CD-NE2	16.11	138.71	122.60
1	32	183	GLN	OE1-CD-NE2	16.11	138.71	122.60
1	4E	183	GLN	OE1-CD-NE2	16.11	138.71	122.60
1	4Y	183	GLN	OE1-CD-NE2	16.11	138.71	122.60
1	5U	183	GLN	OE1-CD-NE2	16.11	138.71	122.60
1	6M	183	GLN	OE1-CD-NE2	16.11	138.71	122.60
1	6U	183	GLN	OE1-CD-NE2	16.11	138.71	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	183	GLN	OE1-CD-NE2	16.11	138.71	122.60
1	7Q	183	GLN	OE1-CD-NE2	16.11	138.71	122.60
1	1Q	149	THR	CA-CB-CG2	-16.11	83.12	110.50
1	1U	149	THR	CA-CB-CG2	-16.11	83.12	110.50
1	1Y	149	THR	CA-CB-CG2	-16.11	83.12	110.50
1	2Q	149	THR	CA-CB-CG2	-16.11	83.12	110.50
1	2U	149	THR	CA-CB-CG2	-16.11	83.12	110.50
1	2Y	149	THR	CA-CB-CG2	-16.11	83.12	110.50
1	42	149	THR	CA-CB-CG2	-16.11	83.12	110.50
1	46	149	THR	CA-CB-CG2	-16.11	83.12	110.50
1	5A	149	THR	CA-CB-CG2	-16.11	83.12	110.50
1	52	149	THR	CA-CB-CG2	-16.11	83.12	110.50
1	56	149	THR	CA-CB-CG2	-16.11	83.12	110.50
1	6A	149	THR	CA-CB-CG2	-16.11	83.12	110.50
1	1Q	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	1U	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	1Y	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	2Q	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	2U	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	2Y	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	42	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	46	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	5A	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	52	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	56	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	6A	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	12	154	SER	N-CA-CB	16.10	134.70	109.90
1	16	154	SER	N-CA-CB	16.10	134.70	109.90
1	2A	154	SER	N-CA-CB	16.10	134.70	109.90
1	3Q	154	SER	N-CA-CB	16.10	134.70	109.90
1	3U	154	SER	N-CA-CB	16.10	134.70	109.90
1	3Y	154	SER	N-CA-CB	16.10	134.70	109.90
1	5E	154	SER	N-CA-CB	16.10	134.70	109.90
1	5I	154	SER	N-CA-CB	16.10	134.70	109.90
1	5M	154	SER	N-CA-CB	16.10	134.70	109.90
1	62	154	SER	N-CA-CB	16.10	134.70	109.90
1	66	154	SER	N-CA-CB	16.10	134.70	109.90
1	7A	154	SER	N-CA-CB	16.10	134.70	109.90
1	1A	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	1I	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	2E	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	26	183	GLN	OE1-CD-NE2	16.10	138.70	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	4A	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	4M	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	4U	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	5Q	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	6I	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	6Q	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	7M	183	GLN	OE1-CD-NE2	16.10	138.70	122.60
1	1E	154	SER	N-CA-CB	16.09	134.68	109.90
1	2M	154	SER	N-CA-CB	16.09	134.68	109.90
1	22	154	SER	N-CA-CB	16.09	134.68	109.90
1	3M	154	SER	N-CA-CB	16.09	134.68	109.90
1	36	154	SER	N-CA-CB	16.09	134.68	109.90
1	4I	154	SER	N-CA-CB	16.09	134.68	109.90
1	4Q	154	SER	N-CA-CB	16.09	134.68	109.90
1	5Y	154	SER	N-CA-CB	16.09	134.68	109.90
1	6E	154	SER	N-CA-CB	16.09	134.68	109.90
1	6Y	154	SER	N-CA-CB	16.09	134.68	109.90
1	7I	154	SER	N-CA-CB	16.09	134.68	109.90
1	7U	154	SER	N-CA-CB	16.09	134.68	109.90
1	12	183	GLN	OE1-CD-NE2	16.09	138.69	122.60
1	16	183	GLN	OE1-CD-NE2	16.09	138.69	122.60
1	2A	183	GLN	OE1-CD-NE2	16.09	138.69	122.60
1	3Q	183	GLN	OE1-CD-NE2	16.09	138.69	122.60
1	3U	183	GLN	OE1-CD-NE2	16.09	138.69	122.60
1	3Y	183	GLN	OE1-CD-NE2	16.09	138.69	122.60
1	5E	183	GLN	OE1-CD-NE2	16.09	138.69	122.60
1	5I	183	GLN	OE1-CD-NE2	16.09	138.69	122.60
1	5M	183	GLN	OE1-CD-NE2	16.09	138.69	122.60
1	62	183	GLN	OE1-CD-NE2	16.09	138.69	122.60
1	66	183	GLN	OE1-CD-NE2	16.09	138.69	122.60
1	7A	183	GLN	OE1-CD-NE2	16.09	138.69	122.60
1	1A	154	SER	N-CA-CB	16.08	134.67	109.90
1	1I	154	SER	N-CA-CB	16.08	134.67	109.90
1	2E	154	SER	N-CA-CB	16.08	134.67	109.90
1	26	154	SER	N-CA-CB	16.08	134.67	109.90
1	3E	154	SER	N-CA-CB	16.08	134.67	109.90
1	4A	154	SER	N-CA-CB	16.08	134.67	109.90
1	4M	154	SER	N-CA-CB	16.08	134.67	109.90
1	4U	154	SER	N-CA-CB	16.08	134.67	109.90
1	5Q	154	SER	N-CA-CB	16.08	134.67	109.90
1	6I	154	SER	N-CA-CB	16.08	134.67	109.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	154	SER	N-CA-CB	16.08	134.67	109.90
1	7M	154	SER	N-CA-CB	16.08	134.67	109.90
1	1E	183	GLN	OE1-CD-NE2	16.07	138.67	122.60
1	2M	183	GLN	OE1-CD-NE2	16.07	138.67	122.60
1	22	183	GLN	OE1-CD-NE2	16.07	138.67	122.60
1	3M	183	GLN	OE1-CD-NE2	16.07	138.67	122.60
1	36	183	GLN	OE1-CD-NE2	16.07	138.67	122.60
1	4I	183	GLN	OE1-CD-NE2	16.07	138.67	122.60
1	4Q	183	GLN	OE1-CD-NE2	16.07	138.67	122.60
1	5Y	183	GLN	OE1-CD-NE2	16.07	138.67	122.60
1	6E	183	GLN	OE1-CD-NE2	16.07	138.67	122.60
1	6Y	183	GLN	OE1-CD-NE2	16.07	138.67	122.60
1	7I	183	GLN	OE1-CD-NE2	16.07	138.67	122.60
1	7U	183	GLN	OE1-CD-NE2	16.07	138.67	122.60
1	1Q	154	SER	N-CA-CB	16.06	134.64	109.90
1	1U	154	SER	N-CA-CB	16.06	134.64	109.90
1	1Y	154	SER	N-CA-CB	16.06	134.64	109.90
1	2Q	154	SER	N-CA-CB	16.06	134.64	109.90
1	2U	154	SER	N-CA-CB	16.06	134.64	109.90
1	2Y	154	SER	N-CA-CB	16.06	134.64	109.90
1	42	154	SER	N-CA-CB	16.06	134.64	109.90
1	46	154	SER	N-CA-CB	16.06	134.64	109.90
1	5A	154	SER	N-CA-CB	16.06	134.64	109.90
1	52	154	SER	N-CA-CB	16.06	134.64	109.90
1	56	154	SER	N-CA-CB	16.06	134.64	109.90
1	6A	154	SER	N-CA-CB	16.06	134.64	109.90
1	1M	154	SER	N-CA-CB	16.06	134.63	109.90
1	2I	154	SER	N-CA-CB	16.06	134.63	109.90
1	3A	154	SER	N-CA-CB	16.06	134.63	109.90
1	3I	154	SER	N-CA-CB	16.06	134.63	109.90
1	32	154	SER	N-CA-CB	16.06	134.63	109.90
1	4E	154	SER	N-CA-CB	16.06	134.63	109.90
1	4Y	154	SER	N-CA-CB	16.06	134.63	109.90
1	5U	154	SER	N-CA-CB	16.06	134.63	109.90
1	6M	154	SER	N-CA-CB	16.06	134.63	109.90
1	6U	154	SER	N-CA-CB	16.06	134.63	109.90
1	7E	154	SER	N-CA-CB	16.06	134.63	109.90
1	7Q	154	SER	N-CA-CB	16.06	134.63	109.90
1	1E	92	ASN	N-CA-CB	16.00	137.53	110.49
1	12	51	LEU	N-CA-C	-16.00	89.47	110.43
1	16	51	LEU	N-CA-C	-16.00	89.47	110.43
1	2A	51	LEU	N-CA-C	-16.00	89.47	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	92	ASN	N-CA-CB	16.00	137.53	110.49
1	22	92	ASN	N-CA-CB	16.00	137.53	110.49
1	3M	92	ASN	N-CA-CB	16.00	137.53	110.49
1	3Q	51	LEU	N-CA-C	-16.00	89.47	110.43
1	3U	51	LEU	N-CA-C	-16.00	89.47	110.43
1	3Y	51	LEU	N-CA-C	-16.00	89.47	110.43
1	36	92	ASN	N-CA-CB	16.00	137.53	110.49
1	4I	92	ASN	N-CA-CB	16.00	137.53	110.49
1	4Q	92	ASN	N-CA-CB	16.00	137.53	110.49
1	5E	51	LEU	N-CA-C	-16.00	89.47	110.43
1	5I	51	LEU	N-CA-C	-16.00	89.47	110.43
1	5M	51	LEU	N-CA-C	-16.00	89.47	110.43
1	5Y	92	ASN	N-CA-CB	16.00	137.53	110.49
1	6E	92	ASN	N-CA-CB	16.00	137.53	110.49
1	6Y	92	ASN	N-CA-CB	16.00	137.53	110.49
1	62	51	LEU	N-CA-C	-16.00	89.47	110.43
1	66	51	LEU	N-CA-C	-16.00	89.47	110.43
1	7A	51	LEU	N-CA-C	-16.00	89.47	110.43
1	7I	92	ASN	N-CA-CB	16.00	137.53	110.49
1	7U	92	ASN	N-CA-CB	16.00	137.53	110.49
2	1N	216	ASN	O-C-N	-15.99	102.52	121.39
2	2J	216	ASN	O-C-N	-15.99	102.52	121.39
2	3B	216	ASN	O-C-N	-15.99	102.52	121.39
2	3J	216	ASN	O-C-N	-15.99	102.52	121.39
2	33	216	ASN	O-C-N	-15.99	102.52	121.39
2	4F	216	ASN	O-C-N	-15.99	102.52	121.39
2	4Z	216	ASN	O-C-N	-15.99	102.52	121.39
2	5V	216	ASN	O-C-N	-15.99	102.52	121.39
2	6N	216	ASN	O-C-N	-15.99	102.52	121.39
2	6V	216	ASN	O-C-N	-15.99	102.52	121.39
2	7F	216	ASN	O-C-N	-15.99	102.52	121.39
2	7R	216	ASN	O-C-N	-15.99	102.52	121.39
1	1A	92	ASN	N-CA-CB	15.99	137.51	110.49
1	1I	92	ASN	N-CA-CB	15.99	137.51	110.49
1	1Q	92	ASN	N-CA-CB	15.99	137.51	110.49
1	1U	92	ASN	N-CA-CB	15.99	137.51	110.49
1	1Y	92	ASN	N-CA-CB	15.99	137.51	110.49
1	2Q	92	ASN	N-CA-CB	15.99	137.51	110.49
1	2U	92	ASN	N-CA-CB	15.99	137.51	110.49
1	2Y	92	ASN	N-CA-CB	15.99	137.51	110.49
1	42	92	ASN	N-CA-CB	15.99	137.51	110.49
1	56	92	ASN	N-CA-CB	15.99	137.51	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	13	216	ASN	O-C-N	-15.99	102.52	121.39
2	17	216	ASN	O-C-N	-15.99	102.52	121.39
2	2B	216	ASN	O-C-N	-15.99	102.52	121.39
1	2E	92	ASN	N-CA-CB	15.99	137.51	110.49
1	26	92	ASN	N-CA-CB	15.99	137.51	110.49
1	3E	92	ASN	N-CA-CB	15.99	137.51	110.49
2	3R	216	ASN	O-C-N	-15.99	102.52	121.39
2	3V	216	ASN	O-C-N	-15.99	102.52	121.39
2	3Z	216	ASN	O-C-N	-15.99	102.52	121.39
1	4A	92	ASN	N-CA-CB	15.99	137.51	110.49
1	4M	92	ASN	N-CA-CB	15.99	137.51	110.49
1	4U	92	ASN	N-CA-CB	15.99	137.51	110.49
1	46	92	ASN	N-CA-CB	15.99	137.51	110.49
1	5A	92	ASN	N-CA-CB	15.99	137.51	110.49
1	52	92	ASN	N-CA-CB	15.99	137.51	110.49
1	6A	92	ASN	N-CA-CB	15.99	137.51	110.49
2	5F	216	ASN	O-C-N	-15.99	102.52	121.39
2	5J	216	ASN	O-C-N	-15.99	102.52	121.39
2	5N	216	ASN	O-C-N	-15.99	102.52	121.39
1	5Q	92	ASN	N-CA-CB	15.99	137.51	110.49
1	6I	92	ASN	N-CA-CB	15.99	137.51	110.49
1	6Q	92	ASN	N-CA-CB	15.99	137.51	110.49
2	63	216	ASN	O-C-N	-15.99	102.52	121.39
2	67	216	ASN	O-C-N	-15.99	102.52	121.39
2	7B	216	ASN	O-C-N	-15.99	102.52	121.39
1	7M	92	ASN	N-CA-CB	15.99	137.51	110.49
1	1M	92	ASN	CA-C-N	15.98	152.07	121.54
1	1M	92	ASN	C-N-CA	15.98	152.07	121.54
1	2I	92	ASN	CA-C-N	15.98	152.07	121.54
1	2I	92	ASN	C-N-CA	15.98	152.07	121.54
1	3A	92	ASN	CA-C-N	15.98	152.07	121.54
1	3A	92	ASN	C-N-CA	15.98	152.07	121.54
1	3I	92	ASN	CA-C-N	15.98	152.07	121.54
1	3I	92	ASN	C-N-CA	15.98	152.07	121.54
1	32	92	ASN	CA-C-N	15.98	152.07	121.54
1	32	92	ASN	C-N-CA	15.98	152.07	121.54
1	4E	92	ASN	CA-C-N	15.98	152.07	121.54
1	4E	92	ASN	C-N-CA	15.98	152.07	121.54
1	4Y	92	ASN	CA-C-N	15.98	152.07	121.54
1	4Y	92	ASN	C-N-CA	15.98	152.07	121.54
1	5U	92	ASN	CA-C-N	15.98	152.07	121.54
1	5U	92	ASN	C-N-CA	15.98	152.07	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6M	92	ASN	CA-C-N	15.98	152.07	121.54
1	6M	92	ASN	C-N-CA	15.98	152.07	121.54
1	6U	92	ASN	CA-C-N	15.98	152.07	121.54
1	6U	92	ASN	C-N-CA	15.98	152.07	121.54
1	7E	92	ASN	CA-C-N	15.98	152.07	121.54
1	7E	92	ASN	C-N-CA	15.98	152.07	121.54
1	7Q	92	ASN	CA-C-N	15.98	152.07	121.54
1	7Q	92	ASN	C-N-CA	15.98	152.07	121.54
1	1E	51	LEU	N-CA-C	-15.98	89.49	110.43
1	2M	51	LEU	N-CA-C	-15.98	89.49	110.43
1	22	51	LEU	N-CA-C	-15.98	89.49	110.43
1	3M	51	LEU	N-CA-C	-15.98	89.49	110.43
1	36	51	LEU	N-CA-C	-15.98	89.49	110.43
1	4I	51	LEU	N-CA-C	-15.98	89.49	110.43
1	4Q	51	LEU	N-CA-C	-15.98	89.49	110.43
1	5Y	51	LEU	N-CA-C	-15.98	89.49	110.43
1	6E	51	LEU	N-CA-C	-15.98	89.49	110.43
1	6Y	51	LEU	N-CA-C	-15.98	89.49	110.43
1	7I	51	LEU	N-CA-C	-15.98	89.49	110.43
1	7U	51	LEU	N-CA-C	-15.98	89.49	110.43
1	1A	92	ASN	CA-C-N	15.98	152.06	121.54
1	1A	92	ASN	C-N-CA	15.98	152.06	121.54
1	1E	92	ASN	CA-C-N	15.98	152.06	121.54
1	1E	92	ASN	C-N-CA	15.98	152.06	121.54
1	1I	92	ASN	CA-C-N	15.98	152.06	121.54
1	1I	92	ASN	C-N-CA	15.98	152.06	121.54
1	2E	92	ASN	CA-C-N	15.98	152.06	121.54
1	2E	92	ASN	C-N-CA	15.98	152.06	121.54
1	2M	92	ASN	CA-C-N	15.98	152.06	121.54
1	2M	92	ASN	C-N-CA	15.98	152.06	121.54
1	22	92	ASN	CA-C-N	15.98	152.06	121.54
1	22	92	ASN	C-N-CA	15.98	152.06	121.54
1	26	92	ASN	CA-C-N	15.98	152.06	121.54
1	26	92	ASN	C-N-CA	15.98	152.06	121.54
1	3E	92	ASN	CA-C-N	15.98	152.06	121.54
1	3E	92	ASN	C-N-CA	15.98	152.06	121.54
1	3M	92	ASN	CA-C-N	15.98	152.06	121.54
1	3M	92	ASN	C-N-CA	15.98	152.06	121.54
1	36	92	ASN	CA-C-N	15.98	152.06	121.54
1	36	92	ASN	C-N-CA	15.98	152.06	121.54
1	4A	92	ASN	CA-C-N	15.98	152.06	121.54
1	4A	92	ASN	C-N-CA	15.98	152.06	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4I	92	ASN	CA-C-N	15.98	152.06	121.54
1	4I	92	ASN	C-N-CA	15.98	152.06	121.54
1	4M	92	ASN	CA-C-N	15.98	152.06	121.54
1	4M	92	ASN	C-N-CA	15.98	152.06	121.54
1	4Q	92	ASN	CA-C-N	15.98	152.06	121.54
1	4Q	92	ASN	C-N-CA	15.98	152.06	121.54
1	4U	92	ASN	CA-C-N	15.98	152.06	121.54
1	4U	92	ASN	C-N-CA	15.98	152.06	121.54
1	5Q	92	ASN	CA-C-N	15.98	152.06	121.54
1	5Q	92	ASN	C-N-CA	15.98	152.06	121.54
1	5Y	92	ASN	CA-C-N	15.98	152.06	121.54
1	5Y	92	ASN	C-N-CA	15.98	152.06	121.54
1	6E	92	ASN	CA-C-N	15.98	152.06	121.54
1	6E	92	ASN	C-N-CA	15.98	152.06	121.54
1	6I	92	ASN	CA-C-N	15.98	152.06	121.54
1	6I	92	ASN	C-N-CA	15.98	152.06	121.54
1	6Q	92	ASN	CA-C-N	15.98	152.06	121.54
1	6Q	92	ASN	C-N-CA	15.98	152.06	121.54
1	6Y	92	ASN	CA-C-N	15.98	152.06	121.54
1	6Y	92	ASN	C-N-CA	15.98	152.06	121.54
1	7I	92	ASN	CA-C-N	15.98	152.06	121.54
1	7I	92	ASN	C-N-CA	15.98	152.06	121.54
1	7M	92	ASN	CA-C-N	15.98	152.06	121.54
1	7M	92	ASN	C-N-CA	15.98	152.06	121.54
1	7U	92	ASN	CA-C-N	15.98	152.06	121.54
1	7U	92	ASN	C-N-CA	15.98	152.06	121.54
2	1R	216	ASN	O-C-N	-15.98	102.54	121.39
2	1V	216	ASN	O-C-N	-15.98	102.54	121.39
2	1Z	216	ASN	O-C-N	-15.98	102.54	121.39
2	2R	216	ASN	O-C-N	-15.98	102.54	121.39
2	2V	216	ASN	O-C-N	-15.98	102.54	121.39
2	2Z	216	ASN	O-C-N	-15.98	102.54	121.39
2	43	216	ASN	O-C-N	-15.98	102.54	121.39
2	47	216	ASN	O-C-N	-15.98	102.54	121.39
2	5B	216	ASN	O-C-N	-15.98	102.54	121.39
2	53	216	ASN	O-C-N	-15.98	102.54	121.39
2	57	216	ASN	O-C-N	-15.98	102.54	121.39
2	6B	216	ASN	O-C-N	-15.98	102.54	121.39
2	1B	216	ASN	O-C-N	-15.97	102.54	121.39
2	1F	216	ASN	O-C-N	-15.97	102.54	121.39
2	1J	216	ASN	O-C-N	-15.97	102.54	121.39
2	2F	216	ASN	O-C-N	-15.97	102.54	121.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	216	ASN	O-C-N	-15.97	102.54	121.39
2	23	216	ASN	O-C-N	-15.97	102.54	121.39
2	27	216	ASN	O-C-N	-15.97	102.54	121.39
2	3F	216	ASN	O-C-N	-15.97	102.54	121.39
2	3N	216	ASN	O-C-N	-15.97	102.54	121.39
2	37	216	ASN	O-C-N	-15.97	102.54	121.39
2	4B	216	ASN	O-C-N	-15.97	102.54	121.39
2	4J	216	ASN	O-C-N	-15.97	102.54	121.39
2	4N	216	ASN	O-C-N	-15.97	102.54	121.39
2	4R	216	ASN	O-C-N	-15.97	102.54	121.39
2	4V	216	ASN	O-C-N	-15.97	102.54	121.39
2	5R	216	ASN	O-C-N	-15.97	102.54	121.39
2	5Z	216	ASN	O-C-N	-15.97	102.54	121.39
2	6F	216	ASN	O-C-N	-15.97	102.54	121.39
2	6J	216	ASN	O-C-N	-15.97	102.54	121.39
2	6R	216	ASN	O-C-N	-15.97	102.54	121.39
2	6Z	216	ASN	O-C-N	-15.97	102.54	121.39
2	7J	216	ASN	O-C-N	-15.97	102.54	121.39
2	7N	216	ASN	O-C-N	-15.97	102.54	121.39
2	7V	216	ASN	O-C-N	-15.97	102.54	121.39
1	1A	51	LEU	N-CA-C	-15.96	89.52	110.43
1	1I	51	LEU	N-CA-C	-15.96	89.52	110.43
1	12	92	ASN	CA-C-N	15.96	152.03	121.54
1	12	92	ASN	C-N-CA	15.96	152.03	121.54
1	16	92	ASN	CA-C-N	15.96	152.03	121.54
1	16	92	ASN	C-N-CA	15.96	152.03	121.54
1	2A	92	ASN	CA-C-N	15.96	152.03	121.54
1	2A	92	ASN	C-N-CA	15.96	152.03	121.54
1	2E	51	LEU	N-CA-C	-15.96	89.52	110.43
1	26	51	LEU	N-CA-C	-15.96	89.52	110.43
1	3E	51	LEU	N-CA-C	-15.96	89.52	110.43
1	3Q	92	ASN	CA-C-N	15.96	152.03	121.54
1	3Q	92	ASN	C-N-CA	15.96	152.03	121.54
1	3U	92	ASN	CA-C-N	15.96	152.03	121.54
1	3U	92	ASN	C-N-CA	15.96	152.03	121.54
1	3Y	92	ASN	CA-C-N	15.96	152.03	121.54
1	3Y	92	ASN	C-N-CA	15.96	152.03	121.54
1	4A	51	LEU	N-CA-C	-15.96	89.52	110.43
1	4M	51	LEU	N-CA-C	-15.96	89.52	110.43
1	4U	51	LEU	N-CA-C	-15.96	89.52	110.43
1	5E	92	ASN	CA-C-N	15.96	152.03	121.54
1	5E	92	ASN	C-N-CA	15.96	152.03	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5I	92	ASN	CA-C-N	15.96	152.03	121.54
1	5I	92	ASN	C-N-CA	15.96	152.03	121.54
1	5M	92	ASN	CA-C-N	15.96	152.03	121.54
1	5M	92	ASN	C-N-CA	15.96	152.03	121.54
1	5Q	51	LEU	N-CA-C	-15.96	89.52	110.43
1	6I	51	LEU	N-CA-C	-15.96	89.52	110.43
1	6Q	51	LEU	N-CA-C	-15.96	89.52	110.43
1	62	92	ASN	CA-C-N	15.96	152.03	121.54
1	62	92	ASN	C-N-CA	15.96	152.03	121.54
1	66	92	ASN	CA-C-N	15.96	152.03	121.54
1	66	92	ASN	C-N-CA	15.96	152.03	121.54
1	7A	92	ASN	CA-C-N	15.96	152.03	121.54
1	7A	92	ASN	C-N-CA	15.96	152.03	121.54
1	7M	51	LEU	N-CA-C	-15.96	89.52	110.43
1	1M	51	LEU	N-CA-C	-15.96	89.52	110.43
1	1M	92	ASN	N-CA-CB	15.96	137.46	110.49
1	1Q	51	LEU	N-CA-C	-15.96	89.53	110.43
1	1U	51	LEU	N-CA-C	-15.96	89.53	110.43
1	1Y	51	LEU	N-CA-C	-15.96	89.53	110.43
1	2I	51	LEU	N-CA-C	-15.96	89.52	110.43
1	4E	51	LEU	N-CA-C	-15.96	89.52	110.43
1	2I	92	ASN	N-CA-CB	15.96	137.46	110.49
1	2Q	51	LEU	N-CA-C	-15.96	89.53	110.43
1	2U	51	LEU	N-CA-C	-15.96	89.53	110.43
1	2Y	51	LEU	N-CA-C	-15.96	89.53	110.43
1	3A	51	LEU	N-CA-C	-15.96	89.52	110.43
1	3I	51	LEU	N-CA-C	-15.96	89.52	110.43
1	32	51	LEU	N-CA-C	-15.96	89.52	110.43
1	4Y	51	LEU	N-CA-C	-15.96	89.52	110.43
1	5U	51	LEU	N-CA-C	-15.96	89.52	110.43
1	7Q	51	LEU	N-CA-C	-15.96	89.52	110.43
1	3A	92	ASN	N-CA-CB	15.96	137.46	110.49
1	3I	92	ASN	N-CA-CB	15.96	137.46	110.49
1	32	92	ASN	N-CA-CB	15.96	137.46	110.49
1	4E	92	ASN	N-CA-CB	15.96	137.46	110.49
1	4Y	92	ASN	N-CA-CB	15.96	137.46	110.49
1	42	51	LEU	N-CA-C	-15.96	89.53	110.43
1	46	51	LEU	N-CA-C	-15.96	89.53	110.43
1	5A	51	LEU	N-CA-C	-15.96	89.53	110.43
1	5U	92	ASN	N-CA-CB	15.96	137.46	110.49
1	52	51	LEU	N-CA-C	-15.96	89.53	110.43
1	56	51	LEU	N-CA-C	-15.96	89.53	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6A	51	LEU	N-CA-C	-15.96	89.53	110.43
1	6M	51	LEU	N-CA-C	-15.96	89.52	110.43
1	6U	51	LEU	N-CA-C	-15.96	89.52	110.43
1	7E	51	LEU	N-CA-C	-15.96	89.52	110.43
1	6M	92	ASN	N-CA-CB	15.96	137.46	110.49
1	6U	92	ASN	N-CA-CB	15.96	137.46	110.49
1	7E	92	ASN	N-CA-CB	15.96	137.46	110.49
1	7Q	92	ASN	N-CA-CB	15.96	137.46	110.49
1	1Q	92	ASN	CA-C-N	15.96	152.02	121.54
1	1Q	92	ASN	C-N-CA	15.96	152.02	121.54
1	1U	92	ASN	CA-C-N	15.96	152.02	121.54
1	1U	92	ASN	C-N-CA	15.96	152.02	121.54
1	1Y	92	ASN	CA-C-N	15.96	152.02	121.54
1	1Y	92	ASN	C-N-CA	15.96	152.02	121.54
1	2Q	92	ASN	CA-C-N	15.96	152.02	121.54
1	2Q	92	ASN	C-N-CA	15.96	152.02	121.54
1	2U	92	ASN	CA-C-N	15.96	152.02	121.54
1	2U	92	ASN	C-N-CA	15.96	152.02	121.54
1	2Y	92	ASN	CA-C-N	15.96	152.02	121.54
1	2Y	92	ASN	C-N-CA	15.96	152.02	121.54
1	42	92	ASN	CA-C-N	15.96	152.02	121.54
1	42	92	ASN	C-N-CA	15.96	152.02	121.54
1	46	92	ASN	CA-C-N	15.96	152.02	121.54
1	46	92	ASN	C-N-CA	15.96	152.02	121.54
1	5A	92	ASN	CA-C-N	15.96	152.02	121.54
1	5A	92	ASN	C-N-CA	15.96	152.02	121.54
1	52	92	ASN	CA-C-N	15.96	152.02	121.54
1	52	92	ASN	C-N-CA	15.96	152.02	121.54
1	56	92	ASN	CA-C-N	15.96	152.02	121.54
1	56	92	ASN	C-N-CA	15.96	152.02	121.54
1	6A	92	ASN	CA-C-N	15.96	152.02	121.54
1	6A	92	ASN	C-N-CA	15.96	152.02	121.54
1	12	92	ASN	N-CA-CB	15.95	137.45	110.49
1	16	92	ASN	N-CA-CB	15.95	137.45	110.49
1	2A	92	ASN	N-CA-CB	15.95	137.45	110.49
1	3Q	92	ASN	N-CA-CB	15.95	137.45	110.49
1	3U	92	ASN	N-CA-CB	15.95	137.45	110.49
1	3Y	92	ASN	N-CA-CB	15.95	137.45	110.49
1	5E	92	ASN	N-CA-CB	15.95	137.45	110.49
1	5I	92	ASN	N-CA-CB	15.95	137.45	110.49
1	5M	92	ASN	N-CA-CB	15.95	137.45	110.49
1	62	92	ASN	N-CA-CB	15.95	137.45	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	92	ASN	N-CA-CB	15.95	137.45	110.49
1	7A	92	ASN	N-CA-CB	15.95	137.45	110.49
2	1B	24	PRO	N-CA-C	-15.93	79.65	112.47
2	1J	24	PRO	N-CA-C	-15.93	79.65	112.47
2	2F	24	PRO	N-CA-C	-15.93	79.65	112.47
2	27	24	PRO	N-CA-C	-15.93	79.65	112.47
2	3F	24	PRO	N-CA-C	-15.93	79.65	112.47
2	4B	24	PRO	N-CA-C	-15.93	79.65	112.47
2	4N	24	PRO	N-CA-C	-15.93	79.65	112.47
2	4V	24	PRO	N-CA-C	-15.93	79.65	112.47
2	5R	24	PRO	N-CA-C	-15.93	79.65	112.47
2	6J	24	PRO	N-CA-C	-15.93	79.65	112.47
2	6R	24	PRO	N-CA-C	-15.93	79.65	112.47
2	7N	24	PRO	N-CA-C	-15.93	79.65	112.47
2	1F	24	PRO	N-CA-C	-15.93	79.65	112.47
2	2N	24	PRO	N-CA-C	-15.93	79.65	112.47
2	23	24	PRO	N-CA-C	-15.93	79.65	112.47
2	3N	24	PRO	N-CA-C	-15.93	79.65	112.47
2	37	24	PRO	N-CA-C	-15.93	79.65	112.47
2	4J	24	PRO	N-CA-C	-15.93	79.65	112.47
2	4R	24	PRO	N-CA-C	-15.93	79.65	112.47
2	5Z	24	PRO	N-CA-C	-15.93	79.65	112.47
2	6F	24	PRO	N-CA-C	-15.93	79.65	112.47
2	6Z	24	PRO	N-CA-C	-15.93	79.65	112.47
2	7J	24	PRO	N-CA-C	-15.93	79.65	112.47
2	7V	24	PRO	N-CA-C	-15.93	79.65	112.47
2	1N	24	PRO	N-CA-C	-15.93	79.66	112.47
2	2J	24	PRO	N-CA-C	-15.93	79.66	112.47
2	3B	24	PRO	N-CA-C	-15.93	79.66	112.47
2	3J	24	PRO	N-CA-C	-15.93	79.66	112.47
2	33	24	PRO	N-CA-C	-15.93	79.66	112.47
2	4F	24	PRO	N-CA-C	-15.93	79.66	112.47
2	4Z	24	PRO	N-CA-C	-15.93	79.66	112.47
2	5V	24	PRO	N-CA-C	-15.93	79.66	112.47
2	6N	24	PRO	N-CA-C	-15.93	79.66	112.47
2	6V	24	PRO	N-CA-C	-15.93	79.66	112.47
2	7F	24	PRO	N-CA-C	-15.93	79.66	112.47
2	7R	24	PRO	N-CA-C	-15.93	79.66	112.47
2	1R	24	PRO	N-CA-C	-15.92	79.67	112.47
2	1V	24	PRO	N-CA-C	-15.92	79.67	112.47
2	1Z	24	PRO	N-CA-C	-15.92	79.67	112.47
2	13	24	PRO	N-CA-C	-15.92	79.67	112.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	17	24	PRO	N-CA-C	-15.92	79.67	112.47
2	2B	24	PRO	N-CA-C	-15.92	79.67	112.47
2	2R	24	PRO	N-CA-C	-15.92	79.67	112.47
2	2V	24	PRO	N-CA-C	-15.92	79.67	112.47
2	2Z	24	PRO	N-CA-C	-15.92	79.67	112.47
2	3R	24	PRO	N-CA-C	-15.92	79.67	112.47
2	3V	24	PRO	N-CA-C	-15.92	79.67	112.47
2	3Z	24	PRO	N-CA-C	-15.92	79.67	112.47
2	43	24	PRO	N-CA-C	-15.92	79.67	112.47
2	47	24	PRO	N-CA-C	-15.92	79.67	112.47
2	5B	24	PRO	N-CA-C	-15.92	79.67	112.47
2	5F	24	PRO	N-CA-C	-15.92	79.67	112.47
2	5J	24	PRO	N-CA-C	-15.92	79.67	112.47
2	5N	24	PRO	N-CA-C	-15.92	79.67	112.47
2	53	24	PRO	N-CA-C	-15.92	79.67	112.47
2	57	24	PRO	N-CA-C	-15.92	79.67	112.47
2	6B	24	PRO	N-CA-C	-15.92	79.67	112.47
2	63	24	PRO	N-CA-C	-15.92	79.67	112.47
2	67	24	PRO	N-CA-C	-15.92	79.67	112.47
2	7B	24	PRO	N-CA-C	-15.92	79.67	112.47
1	12	81	ASN	O-C-N	15.84	143.12	123.16
1	16	81	ASN	O-C-N	15.84	143.12	123.16
1	2A	81	ASN	O-C-N	15.84	143.12	123.16
1	3Q	81	ASN	O-C-N	15.84	143.12	123.16
1	3U	81	ASN	O-C-N	15.84	143.12	123.16
1	3Y	81	ASN	O-C-N	15.84	143.12	123.16
1	5E	81	ASN	O-C-N	15.84	143.12	123.16
1	5I	81	ASN	O-C-N	15.84	143.12	123.16
1	5M	81	ASN	O-C-N	15.84	143.12	123.16
1	62	81	ASN	O-C-N	15.84	143.12	123.16
1	66	81	ASN	O-C-N	15.84	143.12	123.16
1	7A	81	ASN	O-C-N	15.84	143.12	123.16
1	1A	81	ASN	O-C-N	15.80	143.07	123.16
1	1I	81	ASN	O-C-N	15.80	143.07	123.16
1	1Q	81	ASN	O-C-N	15.80	143.07	123.16
1	1U	81	ASN	O-C-N	15.80	143.07	123.16
1	1Y	81	ASN	O-C-N	15.80	143.07	123.16
1	2E	81	ASN	O-C-N	15.80	143.07	123.16
1	2Q	81	ASN	O-C-N	15.80	143.07	123.16
1	2U	81	ASN	O-C-N	15.80	143.07	123.16
1	2Y	81	ASN	O-C-N	15.80	143.07	123.16
1	26	81	ASN	O-C-N	15.80	143.07	123.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	81	ASN	O-C-N	15.80	143.07	123.16
1	4A	81	ASN	O-C-N	15.80	143.07	123.16
1	4M	81	ASN	O-C-N	15.80	143.07	123.16
1	4U	81	ASN	O-C-N	15.80	143.07	123.16
1	42	81	ASN	O-C-N	15.80	143.07	123.16
1	46	81	ASN	O-C-N	15.80	143.07	123.16
1	5A	81	ASN	O-C-N	15.80	143.07	123.16
1	5Q	81	ASN	O-C-N	15.80	143.07	123.16
1	52	81	ASN	O-C-N	15.80	143.07	123.16
1	56	81	ASN	O-C-N	15.80	143.07	123.16
1	6A	81	ASN	O-C-N	15.80	143.07	123.16
1	6I	81	ASN	O-C-N	15.80	143.07	123.16
1	6Q	81	ASN	O-C-N	15.80	143.07	123.16
1	7M	81	ASN	O-C-N	15.80	143.07	123.16
2	1N	73	GLY	CA-C-O	-15.79	101.08	120.03
2	2J	73	GLY	CA-C-O	-15.79	101.08	120.03
2	3B	73	GLY	CA-C-O	-15.79	101.08	120.03
2	3J	73	GLY	CA-C-O	-15.79	101.08	120.03
2	33	73	GLY	CA-C-O	-15.79	101.08	120.03
2	4F	73	GLY	CA-C-O	-15.79	101.08	120.03
2	4Z	73	GLY	CA-C-O	-15.79	101.08	120.03
2	5V	73	GLY	CA-C-O	-15.79	101.08	120.03
2	6N	73	GLY	CA-C-O	-15.79	101.08	120.03
2	6V	73	GLY	CA-C-O	-15.79	101.08	120.03
2	7F	73	GLY	CA-C-O	-15.79	101.08	120.03
2	7R	73	GLY	CA-C-O	-15.79	101.08	120.03
2	13	73	GLY	CA-C-O	-15.79	101.08	120.03
2	17	73	GLY	CA-C-O	-15.79	101.08	120.03
2	2B	73	GLY	CA-C-O	-15.79	101.08	120.03
2	3R	73	GLY	CA-C-O	-15.79	101.08	120.03
2	3V	73	GLY	CA-C-O	-15.79	101.08	120.03
2	3Z	73	GLY	CA-C-O	-15.79	101.08	120.03
2	5F	73	GLY	CA-C-O	-15.79	101.08	120.03
2	5J	73	GLY	CA-C-O	-15.79	101.08	120.03
2	5N	73	GLY	CA-C-O	-15.79	101.08	120.03
2	63	73	GLY	CA-C-O	-15.79	101.08	120.03
2	67	73	GLY	CA-C-O	-15.79	101.08	120.03
2	7B	73	GLY	CA-C-O	-15.79	101.08	120.03
1	1M	81	ASN	O-C-N	15.79	143.05	123.16
1	2I	81	ASN	O-C-N	15.79	143.05	123.16
1	3A	81	ASN	O-C-N	15.79	143.05	123.16
1	3I	81	ASN	O-C-N	15.79	143.05	123.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	81	ASN	O-C-N	15.79	143.05	123.16
1	4E	81	ASN	O-C-N	15.79	143.05	123.16
1	4Y	81	ASN	O-C-N	15.79	143.05	123.16
1	5U	81	ASN	O-C-N	15.79	143.05	123.16
1	6M	81	ASN	O-C-N	15.79	143.05	123.16
1	6U	81	ASN	O-C-N	15.79	143.05	123.16
1	7E	81	ASN	O-C-N	15.79	143.05	123.16
1	7Q	81	ASN	O-C-N	15.79	143.05	123.16
2	1F	73	GLY	CA-C-O	-15.79	101.09	120.03
2	2N	73	GLY	CA-C-O	-15.79	101.09	120.03
2	23	73	GLY	CA-C-O	-15.79	101.09	120.03
2	3N	73	GLY	CA-C-O	-15.79	101.09	120.03
2	37	73	GLY	CA-C-O	-15.79	101.09	120.03
2	4J	73	GLY	CA-C-O	-15.79	101.09	120.03
2	4R	73	GLY	CA-C-O	-15.79	101.09	120.03
2	5Z	73	GLY	CA-C-O	-15.79	101.09	120.03
2	6F	73	GLY	CA-C-O	-15.79	101.09	120.03
2	6Z	73	GLY	CA-C-O	-15.79	101.09	120.03
2	7J	73	GLY	CA-C-O	-15.79	101.09	120.03
2	7V	73	GLY	CA-C-O	-15.79	101.09	120.03
2	1R	73	GLY	CA-C-O	-15.78	101.09	120.03
2	1V	73	GLY	CA-C-O	-15.78	101.09	120.03
2	1Z	73	GLY	CA-C-O	-15.78	101.09	120.03
2	2R	73	GLY	CA-C-O	-15.78	101.09	120.03
2	2V	73	GLY	CA-C-O	-15.78	101.09	120.03
2	2Z	73	GLY	CA-C-O	-15.78	101.09	120.03
2	43	73	GLY	CA-C-O	-15.78	101.09	120.03
2	47	73	GLY	CA-C-O	-15.78	101.09	120.03
2	5B	73	GLY	CA-C-O	-15.78	101.09	120.03
2	53	73	GLY	CA-C-O	-15.78	101.09	120.03
2	57	73	GLY	CA-C-O	-15.78	101.09	120.03
2	6B	73	GLY	CA-C-O	-15.78	101.09	120.03
1	1E	81	ASN	O-C-N	15.77	143.03	123.16
1	2M	81	ASN	O-C-N	15.77	143.03	123.16
1	22	81	ASN	O-C-N	15.77	143.03	123.16
1	3M	81	ASN	O-C-N	15.77	143.03	123.16
1	36	81	ASN	O-C-N	15.77	143.03	123.16
1	4I	81	ASN	O-C-N	15.77	143.03	123.16
1	4Q	81	ASN	O-C-N	15.77	143.03	123.16
1	5Y	81	ASN	O-C-N	15.77	143.03	123.16
1	6E	81	ASN	O-C-N	15.77	143.03	123.16
1	6Y	81	ASN	O-C-N	15.77	143.03	123.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	81	ASN	O-C-N	15.77	143.03	123.16
1	7U	81	ASN	O-C-N	15.77	143.03	123.16
2	1B	73	GLY	CA-C-O	-15.76	101.11	120.03
2	1J	73	GLY	CA-C-O	-15.76	101.11	120.03
2	2F	73	GLY	CA-C-O	-15.76	101.11	120.03
2	27	73	GLY	CA-C-O	-15.76	101.11	120.03
2	3F	73	GLY	CA-C-O	-15.76	101.11	120.03
2	4B	73	GLY	CA-C-O	-15.76	101.11	120.03
2	4N	73	GLY	CA-C-O	-15.76	101.11	120.03
2	4V	73	GLY	CA-C-O	-15.76	101.11	120.03
2	5R	73	GLY	CA-C-O	-15.76	101.11	120.03
2	6J	73	GLY	CA-C-O	-15.76	101.11	120.03
2	6R	73	GLY	CA-C-O	-15.76	101.11	120.03
2	7N	73	GLY	CA-C-O	-15.76	101.11	120.03
2	1N	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	1R	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	1V	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	1Z	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	2J	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	2R	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	2V	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	2Z	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	3B	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	3J	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	33	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	4F	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	4Z	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	43	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	47	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	5B	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	5V	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	53	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	57	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	6B	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	6N	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	6V	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	7F	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	7R	14	THR	CA-CB-CG2	-15.75	83.72	110.50
2	1B	14	THR	CA-CB-CG2	-15.74	83.73	110.50
2	1J	14	THR	CA-CB-CG2	-15.74	83.73	110.50
2	1N	227	TYR	CB-CA-C	15.74	134.40	110.62
2	2F	14	THR	CA-CB-CG2	-15.74	83.73	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2J	227	TYR	CB-CA-C	15.74	134.40	110.62
2	27	14	THR	CA-CB-CG2	-15.74	83.73	110.50
2	3B	227	TYR	CB-CA-C	15.74	134.40	110.62
2	3F	14	THR	CA-CB-CG2	-15.74	83.73	110.50
2	3J	227	TYR	CB-CA-C	15.74	134.40	110.62
2	33	227	TYR	CB-CA-C	15.74	134.40	110.62
2	4B	14	THR	CA-CB-CG2	-15.74	83.73	110.50
2	4F	227	TYR	CB-CA-C	15.74	134.40	110.62
2	4N	14	THR	CA-CB-CG2	-15.74	83.73	110.50
2	4V	14	THR	CA-CB-CG2	-15.74	83.73	110.50
2	4Z	227	TYR	CB-CA-C	15.74	134.40	110.62
2	5R	14	THR	CA-CB-CG2	-15.74	83.73	110.50
2	5V	227	TYR	CB-CA-C	15.74	134.40	110.62
2	6J	14	THR	CA-CB-CG2	-15.74	83.73	110.50
2	6N	227	TYR	CB-CA-C	15.74	134.40	110.62
2	6R	14	THR	CA-CB-CG2	-15.74	83.73	110.50
2	6V	227	TYR	CB-CA-C	15.74	134.40	110.62
2	7F	227	TYR	CB-CA-C	15.74	134.40	110.62
2	7N	14	THR	CA-CB-CG2	-15.74	83.73	110.50
2	7R	227	TYR	CB-CA-C	15.74	134.40	110.62
2	1B	227	TYR	CB-CA-C	15.73	134.37	110.62
2	1J	227	TYR	CB-CA-C	15.73	134.37	110.62
2	13	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	17	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	2B	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	2F	227	TYR	CB-CA-C	15.73	134.37	110.62
2	27	227	TYR	CB-CA-C	15.73	134.37	110.62
2	3F	227	TYR	CB-CA-C	15.73	134.37	110.62
2	3R	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	3V	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	3Z	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	4B	227	TYR	CB-CA-C	15.73	134.37	110.62
2	4N	227	TYR	CB-CA-C	15.73	134.37	110.62
2	4V	227	TYR	CB-CA-C	15.73	134.37	110.62
2	5F	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	5J	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	5N	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	5R	227	TYR	CB-CA-C	15.73	134.37	110.62
2	6J	227	TYR	CB-CA-C	15.73	134.37	110.62
2	6R	227	TYR	CB-CA-C	15.73	134.37	110.62
2	63	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	67	14	THR	CA-CB-CG2	-15.73	83.76	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7B	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	7N	227	TYR	CB-CA-C	15.73	134.37	110.62
2	1F	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	2N	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	23	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	3N	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	37	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	4J	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	4R	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	5Z	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	6F	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	6Z	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	7J	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	7V	14	THR	CA-CB-CG2	-15.73	83.76	110.50
2	1F	227	TYR	CB-CA-C	15.71	134.35	110.62
2	2N	227	TYR	CB-CA-C	15.71	134.35	110.62
2	23	227	TYR	CB-CA-C	15.71	134.35	110.62
2	3N	227	TYR	CB-CA-C	15.71	134.35	110.62
2	37	227	TYR	CB-CA-C	15.71	134.35	110.62
2	4J	227	TYR	CB-CA-C	15.71	134.35	110.62
2	4R	227	TYR	CB-CA-C	15.71	134.35	110.62
2	5Z	227	TYR	CB-CA-C	15.71	134.35	110.62
2	6F	227	TYR	CB-CA-C	15.71	134.35	110.62
2	6Z	227	TYR	CB-CA-C	15.71	134.35	110.62
2	7J	227	TYR	CB-CA-C	15.71	134.35	110.62
2	7V	227	TYR	CB-CA-C	15.71	134.35	110.62
2	13	227	TYR	CB-CA-C	15.70	134.33	110.62
2	17	227	TYR	CB-CA-C	15.70	134.33	110.62
2	2B	227	TYR	CB-CA-C	15.70	134.33	110.62
2	3R	227	TYR	CB-CA-C	15.70	134.33	110.62
2	3V	227	TYR	CB-CA-C	15.70	134.33	110.62
2	3Z	227	TYR	CB-CA-C	15.70	134.33	110.62
2	5F	227	TYR	CB-CA-C	15.70	134.33	110.62
2	5J	227	TYR	CB-CA-C	15.70	134.33	110.62
2	5N	227	TYR	CB-CA-C	15.70	134.33	110.62
2	63	227	TYR	CB-CA-C	15.70	134.33	110.62
2	67	227	TYR	CB-CA-C	15.70	134.33	110.62
2	7B	227	TYR	CB-CA-C	15.70	134.33	110.62
2	1R	227	TYR	CB-CA-C	15.70	134.32	110.62
2	1V	227	TYR	CB-CA-C	15.70	134.32	110.62
2	1Z	227	TYR	CB-CA-C	15.70	134.32	110.62
2	2R	227	TYR	CB-CA-C	15.70	134.32	110.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	227	TYR	CB-CA-C	15.70	134.32	110.62
2	2Z	227	TYR	CB-CA-C	15.70	134.32	110.62
2	43	227	TYR	CB-CA-C	15.70	134.32	110.62
2	47	227	TYR	CB-CA-C	15.70	134.32	110.62
2	5B	227	TYR	CB-CA-C	15.70	134.32	110.62
2	53	227	TYR	CB-CA-C	15.70	134.32	110.62
2	57	227	TYR	CB-CA-C	15.70	134.32	110.62
2	6B	227	TYR	CB-CA-C	15.70	134.32	110.62
2	1N	209	LEU	N-CA-CB	-15.70	83.96	110.49
2	2J	209	LEU	N-CA-CB	-15.70	83.96	110.49
2	3B	209	LEU	N-CA-CB	-15.70	83.96	110.49
2	3J	209	LEU	N-CA-CB	-15.70	83.96	110.49
2	33	209	LEU	N-CA-CB	-15.70	83.96	110.49
2	4F	209	LEU	N-CA-CB	-15.70	83.96	110.49
2	4Z	209	LEU	N-CA-CB	-15.70	83.96	110.49
2	5V	209	LEU	N-CA-CB	-15.70	83.96	110.49
2	6N	209	LEU	N-CA-CB	-15.70	83.96	110.49
2	6V	209	LEU	N-CA-CB	-15.70	83.96	110.49
2	7F	209	LEU	N-CA-CB	-15.70	83.96	110.49
2	7R	209	LEU	N-CA-CB	-15.70	83.96	110.49
2	1R	209	LEU	N-CA-CB	-15.67	84.00	110.49
2	1V	209	LEU	N-CA-CB	-15.67	84.00	110.49
2	1Z	209	LEU	N-CA-CB	-15.67	84.00	110.49
2	2R	209	LEU	N-CA-CB	-15.67	84.00	110.49
2	2V	209	LEU	N-CA-CB	-15.67	84.00	110.49
2	2Z	209	LEU	N-CA-CB	-15.67	84.00	110.49
2	43	209	LEU	N-CA-CB	-15.67	84.00	110.49
2	47	209	LEU	N-CA-CB	-15.67	84.00	110.49
2	5B	209	LEU	N-CA-CB	-15.67	84.00	110.49
2	53	209	LEU	N-CA-CB	-15.67	84.00	110.49
2	57	209	LEU	N-CA-CB	-15.67	84.00	110.49
2	6B	209	LEU	N-CA-CB	-15.67	84.00	110.49
2	1B	209	LEU	N-CA-CB	-15.66	84.02	110.49
2	1J	209	LEU	N-CA-CB	-15.66	84.02	110.49
2	2F	209	LEU	N-CA-CB	-15.66	84.02	110.49
2	27	209	LEU	N-CA-CB	-15.66	84.02	110.49
2	3F	209	LEU	N-CA-CB	-15.66	84.02	110.49
2	4B	209	LEU	N-CA-CB	-15.66	84.02	110.49
2	4N	209	LEU	N-CA-CB	-15.66	84.02	110.49
2	4V	209	LEU	N-CA-CB	-15.66	84.02	110.49
2	5R	209	LEU	N-CA-CB	-15.66	84.02	110.49
2	6J	209	LEU	N-CA-CB	-15.66	84.02	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	209	LEU	N-CA-CB	-15.66	84.02	110.49
2	7N	209	LEU	N-CA-CB	-15.66	84.02	110.49
2	13	209	LEU	N-CA-CB	-15.66	84.03	110.49
2	17	209	LEU	N-CA-CB	-15.66	84.03	110.49
2	2B	209	LEU	N-CA-CB	-15.66	84.03	110.49
2	3R	209	LEU	N-CA-CB	-15.66	84.03	110.49
2	3V	209	LEU	N-CA-CB	-15.66	84.03	110.49
2	3Z	209	LEU	N-CA-CB	-15.66	84.03	110.49
2	5F	209	LEU	N-CA-CB	-15.66	84.03	110.49
2	5J	209	LEU	N-CA-CB	-15.66	84.03	110.49
2	5N	209	LEU	N-CA-CB	-15.66	84.03	110.49
2	63	209	LEU	N-CA-CB	-15.66	84.03	110.49
2	67	209	LEU	N-CA-CB	-15.66	84.03	110.49
2	7B	209	LEU	N-CA-CB	-15.66	84.03	110.49
2	13	224	VAL	CA-CB-CG1	-15.65	83.79	110.40
2	17	224	VAL	CA-CB-CG1	-15.65	83.79	110.40
2	2B	224	VAL	CA-CB-CG1	-15.65	83.79	110.40
2	3R	224	VAL	CA-CB-CG1	-15.65	83.79	110.40
2	3V	224	VAL	CA-CB-CG1	-15.65	83.79	110.40
2	3Z	224	VAL	CA-CB-CG1	-15.65	83.79	110.40
2	5F	224	VAL	CA-CB-CG1	-15.65	83.79	110.40
2	5J	224	VAL	CA-CB-CG1	-15.65	83.79	110.40
2	5N	224	VAL	CA-CB-CG1	-15.65	83.79	110.40
2	63	224	VAL	CA-CB-CG1	-15.65	83.79	110.40
2	67	224	VAL	CA-CB-CG1	-15.65	83.79	110.40
2	7B	224	VAL	CA-CB-CG1	-15.65	83.79	110.40
2	1F	209	LEU	N-CA-CB	-15.65	84.04	110.49
2	2N	209	LEU	N-CA-CB	-15.65	84.04	110.49
2	23	209	LEU	N-CA-CB	-15.65	84.04	110.49
2	3N	209	LEU	N-CA-CB	-15.65	84.04	110.49
2	37	209	LEU	N-CA-CB	-15.65	84.04	110.49
2	4J	209	LEU	N-CA-CB	-15.65	84.04	110.49
2	4R	209	LEU	N-CA-CB	-15.65	84.04	110.49
2	5Z	209	LEU	N-CA-CB	-15.65	84.04	110.49
2	6F	209	LEU	N-CA-CB	-15.65	84.04	110.49
2	6Z	209	LEU	N-CA-CB	-15.65	84.04	110.49
2	7J	209	LEU	N-CA-CB	-15.65	84.04	110.49
2	7V	209	LEU	N-CA-CB	-15.65	84.04	110.49
2	1N	224	VAL	CA-CB-CG1	-15.65	83.80	110.40
2	2J	224	VAL	CA-CB-CG1	-15.65	83.80	110.40
2	3B	224	VAL	CA-CB-CG1	-15.65	83.80	110.40
2	3J	224	VAL	CA-CB-CG1	-15.65	83.80	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	224	VAL	CA-CB-CG1	-15.65	83.80	110.40
2	4F	224	VAL	CA-CB-CG1	-15.65	83.80	110.40
2	4Z	224	VAL	CA-CB-CG1	-15.65	83.80	110.40
2	5V	224	VAL	CA-CB-CG1	-15.65	83.80	110.40
2	6N	224	VAL	CA-CB-CG1	-15.65	83.80	110.40
2	6V	224	VAL	CA-CB-CG1	-15.65	83.80	110.40
2	7F	224	VAL	CA-CB-CG1	-15.65	83.80	110.40
2	7R	224	VAL	CA-CB-CG1	-15.65	83.80	110.40
2	1B	224	VAL	CA-CB-CG1	-15.64	83.80	110.40
2	1J	224	VAL	CA-CB-CG1	-15.64	83.80	110.40
2	2F	224	VAL	CA-CB-CG1	-15.64	83.80	110.40
2	27	224	VAL	CA-CB-CG1	-15.64	83.80	110.40
2	3F	224	VAL	CA-CB-CG1	-15.64	83.80	110.40
2	4B	224	VAL	CA-CB-CG1	-15.64	83.80	110.40
2	4N	224	VAL	CA-CB-CG1	-15.64	83.80	110.40
2	4V	224	VAL	CA-CB-CG1	-15.64	83.80	110.40
2	5R	224	VAL	CA-CB-CG1	-15.64	83.80	110.40
2	6J	224	VAL	CA-CB-CG1	-15.64	83.80	110.40
2	6R	224	VAL	CA-CB-CG1	-15.64	83.80	110.40
2	7N	224	VAL	CA-CB-CG1	-15.64	83.80	110.40
2	1R	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	1V	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	1Z	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	2R	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	2V	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	2Z	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	43	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	47	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	5B	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	53	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	57	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	6B	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	1F	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	2N	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	23	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	3N	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	37	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	4J	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	4R	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	5Z	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	6F	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	6Z	224	VAL	CA-CB-CG1	-15.64	83.81	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
2	7V	224	VAL	CA-CB-CG1	-15.64	83.81	110.40
1	1Q	49	LEU	O-C-N	15.61	140.21	122.11
1	1U	49	LEU	O-C-N	15.61	140.21	122.11
1	1Y	49	LEU	O-C-N	15.61	140.21	122.11
1	2Q	49	LEU	O-C-N	15.61	140.21	122.11
1	2U	49	LEU	O-C-N	15.61	140.21	122.11
1	2Y	49	LEU	O-C-N	15.61	140.21	122.11
1	42	49	LEU	O-C-N	15.61	140.21	122.11
1	46	49	LEU	O-C-N	15.61	140.21	122.11
1	5A	49	LEU	O-C-N	15.61	140.21	122.11
1	52	49	LEU	O-C-N	15.61	140.21	122.11
1	56	49	LEU	O-C-N	15.61	140.21	122.11
1	6A	49	LEU	O-C-N	15.61	140.21	122.11
2	13	46	TYR	N-CA-C	-15.60	94.38	111.07
2	17	46	TYR	N-CA-C	-15.60	94.38	111.07
2	2B	46	TYR	N-CA-C	-15.60	94.38	111.07
2	3R	46	TYR	N-CA-C	-15.60	94.38	111.07
2	3V	46	TYR	N-CA-C	-15.60	94.38	111.07
2	3Z	46	TYR	N-CA-C	-15.60	94.38	111.07
2	5F	46	TYR	N-CA-C	-15.60	94.38	111.07
2	5J	46	TYR	N-CA-C	-15.60	94.38	111.07
2	5N	46	TYR	N-CA-C	-15.60	94.38	111.07
2	63	46	TYR	N-CA-C	-15.60	94.38	111.07
2	67	46	TYR	N-CA-C	-15.60	94.38	111.07
2	7B	46	TYR	N-CA-C	-15.60	94.38	111.07
1	1A	49	LEU	O-C-N	15.60	140.20	122.11
1	1I	49	LEU	O-C-N	15.60	140.20	122.11
1	2E	49	LEU	O-C-N	15.60	140.20	122.11
1	26	49	LEU	O-C-N	15.60	140.20	122.11
1	3E	49	LEU	O-C-N	15.60	140.20	122.11
1	4A	49	LEU	O-C-N	15.60	140.20	122.11
1	4M	49	LEU	O-C-N	15.60	140.20	122.11
1	4U	49	LEU	O-C-N	15.60	140.20	122.11
1	5Q	49	LEU	O-C-N	15.60	140.20	122.11
1	6I	49	LEU	O-C-N	15.60	140.20	122.11
1	6Q	49	LEU	O-C-N	15.60	140.20	122.11
1	7M	49	LEU	O-C-N	15.60	140.20	122.11
2	1R	46	TYR	N-CA-C	-15.59	94.39	111.07
2	1V	46	TYR	N-CA-C	-15.59	94.39	111.07
2	1Z	46	TYR	N-CA-C	-15.59	94.39	111.07
2	2R	46	TYR	N-CA-C	-15.59	94.39	111.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	46	TYR	N-CA-C	-15.59	94.39	111.07
2	2Z	46	TYR	N-CA-C	-15.59	94.39	111.07
2	43	46	TYR	N-CA-C	-15.59	94.39	111.07
2	47	46	TYR	N-CA-C	-15.59	94.39	111.07
2	5B	46	TYR	N-CA-C	-15.59	94.39	111.07
2	53	46	TYR	N-CA-C	-15.59	94.39	111.07
2	57	46	TYR	N-CA-C	-15.59	94.39	111.07
2	6B	46	TYR	N-CA-C	-15.59	94.39	111.07
1	1M	49	LEU	O-C-N	15.59	140.19	122.11
1	2I	49	LEU	O-C-N	15.59	140.19	122.11
1	3A	49	LEU	O-C-N	15.59	140.19	122.11
1	3I	49	LEU	O-C-N	15.59	140.19	122.11
1	32	49	LEU	O-C-N	15.59	140.19	122.11
1	4E	49	LEU	O-C-N	15.59	140.19	122.11
1	4Y	49	LEU	O-C-N	15.59	140.19	122.11
1	5U	49	LEU	O-C-N	15.59	140.19	122.11
1	6M	49	LEU	O-C-N	15.59	140.19	122.11
1	6U	49	LEU	O-C-N	15.59	140.19	122.11
1	7E	49	LEU	O-C-N	15.59	140.19	122.11
1	7Q	49	LEU	O-C-N	15.59	140.19	122.11
2	1F	46	TYR	N-CA-C	-15.59	94.39	111.07
2	1N	46	TYR	N-CA-C	-15.59	94.39	111.07
1	1Q	30	PHE	N-CA-C	-15.59	87.39	110.46
1	1U	30	PHE	N-CA-C	-15.59	87.39	110.46
1	1Y	30	PHE	N-CA-C	-15.59	87.39	110.46
2	2J	46	TYR	N-CA-C	-15.59	94.39	111.07
2	2N	46	TYR	N-CA-C	-15.59	94.39	111.07
1	2Q	30	PHE	N-CA-C	-15.59	87.39	110.46
1	2U	30	PHE	N-CA-C	-15.59	87.39	110.46
1	2Y	30	PHE	N-CA-C	-15.59	87.39	110.46
2	23	46	TYR	N-CA-C	-15.59	94.39	111.07
2	3B	46	TYR	N-CA-C	-15.59	94.39	111.07
2	3J	46	TYR	N-CA-C	-15.59	94.39	111.07
2	3N	46	TYR	N-CA-C	-15.59	94.39	111.07
2	33	46	TYR	N-CA-C	-15.59	94.39	111.07
2	37	46	TYR	N-CA-C	-15.59	94.39	111.07
2	4F	46	TYR	N-CA-C	-15.59	94.39	111.07
2	4J	46	TYR	N-CA-C	-15.59	94.39	111.07
2	4R	46	TYR	N-CA-C	-15.59	94.39	111.07
2	4Z	46	TYR	N-CA-C	-15.59	94.39	111.07
1	42	30	PHE	N-CA-C	-15.59	87.39	110.46
1	46	30	PHE	N-CA-C	-15.59	87.39	110.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	30	PHE	N-CA-C	-15.59	87.39	110.46
2	5V	46	TYR	N-CA-C	-15.59	94.39	111.07
2	5Z	46	TYR	N-CA-C	-15.59	94.39	111.07
1	52	30	PHE	N-CA-C	-15.59	87.39	110.46
1	56	30	PHE	N-CA-C	-15.59	87.39	110.46
1	6A	30	PHE	N-CA-C	-15.59	87.39	110.46
2	6F	46	TYR	N-CA-C	-15.59	94.39	111.07
2	6N	46	TYR	N-CA-C	-15.59	94.39	111.07
2	6V	46	TYR	N-CA-C	-15.59	94.39	111.07
2	6Z	46	TYR	N-CA-C	-15.59	94.39	111.07
2	7F	46	TYR	N-CA-C	-15.59	94.39	111.07
2	7J	46	TYR	N-CA-C	-15.59	94.39	111.07
2	7R	46	TYR	N-CA-C	-15.59	94.39	111.07
2	7V	46	TYR	N-CA-C	-15.59	94.39	111.07
1	1M	30	PHE	N-CA-C	-15.58	87.40	110.46
1	2I	30	PHE	N-CA-C	-15.58	87.40	110.46
1	3A	30	PHE	N-CA-C	-15.58	87.40	110.46
1	3I	30	PHE	N-CA-C	-15.58	87.40	110.46
1	32	30	PHE	N-CA-C	-15.58	87.40	110.46
1	4E	30	PHE	N-CA-C	-15.58	87.40	110.46
1	4Y	30	PHE	N-CA-C	-15.58	87.40	110.46
1	5U	30	PHE	N-CA-C	-15.58	87.40	110.46
1	6M	30	PHE	N-CA-C	-15.58	87.40	110.46
1	6U	30	PHE	N-CA-C	-15.58	87.40	110.46
1	7E	30	PHE	N-CA-C	-15.58	87.40	110.46
1	7Q	30	PHE	N-CA-C	-15.58	87.40	110.46
1	1A	30	PHE	N-CA-C	-15.58	87.40	110.46
1	1I	30	PHE	N-CA-C	-15.58	87.40	110.46
2	1N	54	ASN	CB-CG-ND2	-15.58	93.03	116.40
1	2E	30	PHE	N-CA-C	-15.58	87.40	110.46
2	2J	54	ASN	CB-CG-ND2	-15.58	93.03	116.40
1	26	30	PHE	N-CA-C	-15.58	87.40	110.46
2	3B	54	ASN	CB-CG-ND2	-15.58	93.03	116.40
1	3E	30	PHE	N-CA-C	-15.58	87.40	110.46
2	3J	54	ASN	CB-CG-ND2	-15.58	93.03	116.40
2	33	54	ASN	CB-CG-ND2	-15.58	93.03	116.40
1	4A	30	PHE	N-CA-C	-15.58	87.40	110.46
2	4F	54	ASN	CB-CG-ND2	-15.58	93.03	116.40
1	4M	30	PHE	N-CA-C	-15.58	87.40	110.46
1	4U	30	PHE	N-CA-C	-15.58	87.40	110.46
2	4Z	54	ASN	CB-CG-ND2	-15.58	93.03	116.40
1	5Q	30	PHE	N-CA-C	-15.58	87.40	110.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	54	ASN	CB-CG-ND2	-15.58	93.03	116.40
1	6I	30	PHE	N-CA-C	-15.58	87.40	110.46
2	6N	54	ASN	CB-CG-ND2	-15.58	93.03	116.40
1	6Q	30	PHE	N-CA-C	-15.58	87.40	110.46
2	6V	54	ASN	CB-CG-ND2	-15.58	93.03	116.40
2	7F	54	ASN	CB-CG-ND2	-15.58	93.03	116.40
1	7M	30	PHE	N-CA-C	-15.58	87.40	110.46
2	7R	54	ASN	CB-CG-ND2	-15.58	93.03	116.40
2	1B	46	TYR	N-CA-C	-15.58	94.40	111.07
2	1J	46	TYR	N-CA-C	-15.58	94.40	111.07
2	2F	46	TYR	N-CA-C	-15.58	94.40	111.07
2	27	46	TYR	N-CA-C	-15.58	94.40	111.07
2	3F	46	TYR	N-CA-C	-15.58	94.40	111.07
2	4B	46	TYR	N-CA-C	-15.58	94.40	111.07
2	4N	46	TYR	N-CA-C	-15.58	94.40	111.07
2	4V	46	TYR	N-CA-C	-15.58	94.40	111.07
2	5R	46	TYR	N-CA-C	-15.58	94.40	111.07
2	6J	46	TYR	N-CA-C	-15.58	94.40	111.07
2	6R	46	TYR	N-CA-C	-15.58	94.40	111.07
2	7N	46	TYR	N-CA-C	-15.58	94.40	111.07
1	12	30	PHE	N-CA-C	-15.57	87.41	110.46
1	16	30	PHE	N-CA-C	-15.57	87.41	110.46
1	2A	30	PHE	N-CA-C	-15.57	87.41	110.46
1	3Q	30	PHE	N-CA-C	-15.57	87.41	110.46
1	3U	30	PHE	N-CA-C	-15.57	87.41	110.46
1	3Y	30	PHE	N-CA-C	-15.57	87.41	110.46
1	5E	30	PHE	N-CA-C	-15.57	87.41	110.46
1	5I	30	PHE	N-CA-C	-15.57	87.41	110.46
1	5M	30	PHE	N-CA-C	-15.57	87.41	110.46
1	62	30	PHE	N-CA-C	-15.57	87.41	110.46
1	66	30	PHE	N-CA-C	-15.57	87.41	110.46
1	7A	30	PHE	N-CA-C	-15.57	87.41	110.46
1	1E	30	PHE	N-CA-C	-15.57	87.42	110.46
1	2M	30	PHE	N-CA-C	-15.57	87.42	110.46
1	22	30	PHE	N-CA-C	-15.57	87.42	110.46
1	3M	30	PHE	N-CA-C	-15.57	87.42	110.46
1	36	30	PHE	N-CA-C	-15.57	87.42	110.46
1	4I	30	PHE	N-CA-C	-15.57	87.42	110.46
1	4Q	30	PHE	N-CA-C	-15.57	87.42	110.46
1	5Y	30	PHE	N-CA-C	-15.57	87.42	110.46
1	6E	30	PHE	N-CA-C	-15.57	87.42	110.46
1	6Y	30	PHE	N-CA-C	-15.57	87.42	110.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	30	PHE	N-CA-C	-15.57	87.42	110.46
1	7U	30	PHE	N-CA-C	-15.57	87.42	110.46
2	1B	57	LYS	CA-C-N	15.57	151.27	121.54
2	1B	57	LYS	C-N-CA	15.57	151.27	121.54
1	1E	49	LEU	O-C-N	15.57	140.17	122.11
2	1J	57	LYS	CA-C-N	15.57	151.27	121.54
2	1J	57	LYS	C-N-CA	15.57	151.27	121.54
2	1N	21	THR	CA-C-N	-15.57	94.99	121.92
2	1N	21	THR	C-N-CA	-15.57	94.99	121.92
2	2F	57	LYS	CA-C-N	15.57	151.27	121.54
2	2F	57	LYS	C-N-CA	15.57	151.27	121.54
2	2J	21	THR	CA-C-N	-15.57	94.99	121.92
2	2J	21	THR	C-N-CA	-15.57	94.99	121.92
1	2M	49	LEU	O-C-N	15.57	140.17	122.11
1	22	49	LEU	O-C-N	15.57	140.17	122.11
2	27	57	LYS	CA-C-N	15.57	151.27	121.54
2	27	57	LYS	C-N-CA	15.57	151.27	121.54
2	3B	21	THR	CA-C-N	-15.57	94.99	121.92
2	3B	21	THR	C-N-CA	-15.57	94.99	121.92
2	3F	57	LYS	CA-C-N	15.57	151.27	121.54
2	3F	57	LYS	C-N-CA	15.57	151.27	121.54
2	3J	21	THR	CA-C-N	-15.57	94.99	121.92
2	3J	21	THR	C-N-CA	-15.57	94.99	121.92
1	3M	49	LEU	O-C-N	15.57	140.17	122.11
2	33	21	THR	CA-C-N	-15.57	94.99	121.92
2	33	21	THR	C-N-CA	-15.57	94.99	121.92
1	36	49	LEU	O-C-N	15.57	140.17	122.11
2	4B	57	LYS	CA-C-N	15.57	151.27	121.54
2	4B	57	LYS	C-N-CA	15.57	151.27	121.54
2	4F	21	THR	CA-C-N	-15.57	94.99	121.92
2	4F	21	THR	C-N-CA	-15.57	94.99	121.92
1	4I	49	LEU	O-C-N	15.57	140.17	122.11
2	4N	57	LYS	CA-C-N	15.57	151.27	121.54
2	4N	57	LYS	C-N-CA	15.57	151.27	121.54
1	4Q	49	LEU	O-C-N	15.57	140.17	122.11
2	4V	57	LYS	CA-C-N	15.57	151.27	121.54
2	4V	57	LYS	C-N-CA	15.57	151.27	121.54
2	4Z	21	THR	CA-C-N	-15.57	94.99	121.92
2	4Z	21	THR	C-N-CA	-15.57	94.99	121.92
2	5R	57	LYS	CA-C-N	15.57	151.27	121.54
2	5R	57	LYS	C-N-CA	15.57	151.27	121.54
2	5V	21	THR	CA-C-N	-15.57	94.99	121.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	21	THR	C-N-CA	-15.57	94.99	121.92
1	5Y	49	LEU	O-C-N	15.57	140.17	122.11
1	6E	49	LEU	O-C-N	15.57	140.17	122.11
2	6J	57	LYS	CA-C-N	15.57	151.27	121.54
2	6J	57	LYS	C-N-CA	15.57	151.27	121.54
2	6N	21	THR	CA-C-N	-15.57	94.99	121.92
2	6N	21	THR	C-N-CA	-15.57	94.99	121.92
2	6R	57	LYS	CA-C-N	15.57	151.27	121.54
2	6R	57	LYS	C-N-CA	15.57	151.27	121.54
2	6V	21	THR	CA-C-N	-15.57	94.99	121.92
2	6V	21	THR	C-N-CA	-15.57	94.99	121.92
1	6Y	49	LEU	O-C-N	15.57	140.17	122.11
2	7F	21	THR	CA-C-N	-15.57	94.99	121.92
2	7F	21	THR	C-N-CA	-15.57	94.99	121.92
1	7I	49	LEU	O-C-N	15.57	140.17	122.11
2	7N	57	LYS	CA-C-N	15.57	151.27	121.54
2	7N	57	LYS	C-N-CA	15.57	151.27	121.54
2	7R	21	THR	CA-C-N	-15.57	94.99	121.92
2	7R	21	THR	C-N-CA	-15.57	94.99	121.92
1	7U	49	LEU	O-C-N	15.57	140.17	122.11
1	12	49	LEU	O-C-N	15.56	140.16	122.11
2	13	57	LYS	CA-C-N	15.56	151.27	121.54
2	13	57	LYS	C-N-CA	15.56	151.27	121.54
1	16	49	LEU	O-C-N	15.56	140.16	122.11
2	17	57	LYS	CA-C-N	15.56	151.27	121.54
2	17	57	LYS	C-N-CA	15.56	151.27	121.54
1	2A	49	LEU	O-C-N	15.56	140.16	122.11
2	2B	57	LYS	CA-C-N	15.56	151.27	121.54
2	2B	57	LYS	C-N-CA	15.56	151.27	121.54
1	3Q	49	LEU	O-C-N	15.56	140.16	122.11
2	3R	57	LYS	CA-C-N	15.56	151.27	121.54
2	3R	57	LYS	C-N-CA	15.56	151.27	121.54
1	3U	49	LEU	O-C-N	15.56	140.16	122.11
2	3V	57	LYS	CA-C-N	15.56	151.27	121.54
2	3V	57	LYS	C-N-CA	15.56	151.27	121.54
1	3Y	49	LEU	O-C-N	15.56	140.16	122.11
2	3Z	57	LYS	CA-C-N	15.56	151.27	121.54
2	3Z	57	LYS	C-N-CA	15.56	151.27	121.54
1	5E	49	LEU	O-C-N	15.56	140.16	122.11
2	5F	57	LYS	CA-C-N	15.56	151.27	121.54
2	5F	57	LYS	C-N-CA	15.56	151.27	121.54
1	5I	49	LEU	O-C-N	15.56	140.16	122.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5J	57	LYS	CA-C-N	15.56	151.27	121.54
2	5J	57	LYS	C-N-CA	15.56	151.27	121.54
1	5M	49	LEU	O-C-N	15.56	140.16	122.11
2	5N	57	LYS	CA-C-N	15.56	151.27	121.54
2	5N	57	LYS	C-N-CA	15.56	151.27	121.54
1	62	49	LEU	O-C-N	15.56	140.16	122.11
2	63	57	LYS	CA-C-N	15.56	151.27	121.54
2	63	57	LYS	C-N-CA	15.56	151.27	121.54
1	66	49	LEU	O-C-N	15.56	140.16	122.11
2	67	57	LYS	CA-C-N	15.56	151.27	121.54
2	67	57	LYS	C-N-CA	15.56	151.27	121.54
1	7A	49	LEU	O-C-N	15.56	140.16	122.11
2	7B	57	LYS	CA-C-N	15.56	151.27	121.54
2	7B	57	LYS	C-N-CA	15.56	151.27	121.54
2	1N	56	SER	N-CA-C	-15.56	95.31	113.21
2	1R	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	1R	57	LYS	CA-C-N	15.56	151.26	121.54
2	1R	57	LYS	C-N-CA	15.56	151.26	121.54
2	1V	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	1V	57	LYS	CA-C-N	15.56	151.26	121.54
2	1V	57	LYS	C-N-CA	15.56	151.26	121.54
2	1Z	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	1Z	57	LYS	CA-C-N	15.56	151.26	121.54
2	1Z	57	LYS	C-N-CA	15.56	151.26	121.54
2	2J	56	SER	N-CA-C	-15.56	95.31	113.21
2	2R	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	2R	57	LYS	CA-C-N	15.56	151.26	121.54
2	2R	57	LYS	C-N-CA	15.56	151.26	121.54
2	2V	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	2V	57	LYS	CA-C-N	15.56	151.26	121.54
2	2V	57	LYS	C-N-CA	15.56	151.26	121.54
2	2Z	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	2Z	57	LYS	CA-C-N	15.56	151.26	121.54
2	2Z	57	LYS	C-N-CA	15.56	151.26	121.54
2	3B	56	SER	N-CA-C	-15.56	95.31	113.21
2	3J	56	SER	N-CA-C	-15.56	95.31	113.21
2	33	56	SER	N-CA-C	-15.56	95.31	113.21
2	4F	56	SER	N-CA-C	-15.56	95.31	113.21
2	4Z	56	SER	N-CA-C	-15.56	95.31	113.21
2	43	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	43	57	LYS	CA-C-N	15.56	151.26	121.54
2	43	57	LYS	C-N-CA	15.56	151.26	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	47	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	47	57	LYS	CA-C-N	15.56	151.26	121.54
2	47	57	LYS	C-N-CA	15.56	151.26	121.54
2	5B	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	5B	57	LYS	CA-C-N	15.56	151.26	121.54
2	5B	57	LYS	C-N-CA	15.56	151.26	121.54
2	5V	56	SER	N-CA-C	-15.56	95.31	113.21
2	53	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	53	57	LYS	CA-C-N	15.56	151.26	121.54
2	53	57	LYS	C-N-CA	15.56	151.26	121.54
2	57	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	57	57	LYS	CA-C-N	15.56	151.26	121.54
2	57	57	LYS	C-N-CA	15.56	151.26	121.54
2	6B	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	6B	57	LYS	CA-C-N	15.56	151.26	121.54
2	6B	57	LYS	C-N-CA	15.56	151.26	121.54
2	6N	56	SER	N-CA-C	-15.56	95.31	113.21
2	6V	56	SER	N-CA-C	-15.56	95.31	113.21
2	7F	56	SER	N-CA-C	-15.56	95.31	113.21
2	7R	56	SER	N-CA-C	-15.56	95.31	113.21
2	1B	21	THR	CA-C-N	-15.56	95.00	121.92
2	1B	21	THR	C-N-CA	-15.56	95.00	121.92
2	1F	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	1J	21	THR	CA-C-N	-15.56	95.00	121.92
2	1J	21	THR	C-N-CA	-15.56	95.00	121.92
2	1N	57	LYS	CA-C-N	15.56	151.26	121.54
2	1N	57	LYS	C-N-CA	15.56	151.26	121.54
2	13	21	THR	CA-C-N	-15.56	95.00	121.92
2	13	21	THR	C-N-CA	-15.56	95.00	121.92
2	17	21	THR	CA-C-N	-15.56	95.00	121.92
2	17	21	THR	C-N-CA	-15.56	95.00	121.92
2	2B	21	THR	CA-C-N	-15.56	95.00	121.92
2	2B	21	THR	C-N-CA	-15.56	95.00	121.92
2	2F	21	THR	CA-C-N	-15.56	95.00	121.92
2	2F	21	THR	C-N-CA	-15.56	95.00	121.92
2	2J	57	LYS	CA-C-N	15.56	151.26	121.54
2	2J	57	LYS	C-N-CA	15.56	151.26	121.54
2	2N	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	23	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	27	21	THR	CA-C-N	-15.56	95.00	121.92
2	27	21	THR	C-N-CA	-15.56	95.00	121.92
2	3B	57	LYS	CA-C-N	15.56	151.26	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3B	57	LYS	C-N-CA	15.56	151.26	121.54
2	3F	21	THR	CA-C-N	-15.56	95.00	121.92
2	3F	21	THR	C-N-CA	-15.56	95.00	121.92
2	3J	57	LYS	CA-C-N	15.56	151.26	121.54
2	3J	57	LYS	C-N-CA	15.56	151.26	121.54
2	3N	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	3R	21	THR	CA-C-N	-15.56	95.00	121.92
2	3R	21	THR	C-N-CA	-15.56	95.00	121.92
2	3V	21	THR	CA-C-N	-15.56	95.00	121.92
2	3V	21	THR	C-N-CA	-15.56	95.00	121.92
2	3Z	21	THR	CA-C-N	-15.56	95.00	121.92
2	3Z	21	THR	C-N-CA	-15.56	95.00	121.92
2	33	57	LYS	CA-C-N	15.56	151.26	121.54
2	33	57	LYS	C-N-CA	15.56	151.26	121.54
2	37	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	4B	21	THR	CA-C-N	-15.56	95.00	121.92
2	4B	21	THR	C-N-CA	-15.56	95.00	121.92
2	4F	57	LYS	CA-C-N	15.56	151.26	121.54
2	4F	57	LYS	C-N-CA	15.56	151.26	121.54
2	4J	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	4N	21	THR	CA-C-N	-15.56	95.00	121.92
2	4N	21	THR	C-N-CA	-15.56	95.00	121.92
2	4R	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	4V	21	THR	CA-C-N	-15.56	95.00	121.92
2	4V	21	THR	C-N-CA	-15.56	95.00	121.92
2	4Z	57	LYS	CA-C-N	15.56	151.26	121.54
2	4Z	57	LYS	C-N-CA	15.56	151.26	121.54
2	5F	21	THR	CA-C-N	-15.56	95.00	121.92
2	5F	21	THR	C-N-CA	-15.56	95.00	121.92
2	5J	21	THR	CA-C-N	-15.56	95.00	121.92
2	5J	21	THR	C-N-CA	-15.56	95.00	121.92
2	5N	21	THR	CA-C-N	-15.56	95.00	121.92
2	5N	21	THR	C-N-CA	-15.56	95.00	121.92
2	5R	21	THR	CA-C-N	-15.56	95.00	121.92
2	5R	21	THR	C-N-CA	-15.56	95.00	121.92
2	5V	57	LYS	CA-C-N	15.56	151.26	121.54
2	5V	57	LYS	C-N-CA	15.56	151.26	121.54
2	5Z	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	6F	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	6J	21	THR	CA-C-N	-15.56	95.00	121.92
2	6J	21	THR	C-N-CA	-15.56	95.00	121.92
2	6N	57	LYS	CA-C-N	15.56	151.26	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6N	57	LYS	C-N-CA	15.56	151.26	121.54
2	6R	21	THR	CA-C-N	-15.56	95.00	121.92
2	6R	21	THR	C-N-CA	-15.56	95.00	121.92
2	6V	57	LYS	CA-C-N	15.56	151.26	121.54
2	6V	57	LYS	C-N-CA	15.56	151.26	121.54
2	6Z	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	63	21	THR	CA-C-N	-15.56	95.00	121.92
2	63	21	THR	C-N-CA	-15.56	95.00	121.92
2	67	21	THR	CA-C-N	-15.56	95.00	121.92
2	67	21	THR	C-N-CA	-15.56	95.00	121.92
2	7B	21	THR	CA-C-N	-15.56	95.00	121.92
2	7B	21	THR	C-N-CA	-15.56	95.00	121.92
2	7F	57	LYS	CA-C-N	15.56	151.26	121.54
2	7F	57	LYS	C-N-CA	15.56	151.26	121.54
2	7J	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	7N	21	THR	CA-C-N	-15.56	95.00	121.92
2	7N	21	THR	C-N-CA	-15.56	95.00	121.92
2	7R	57	LYS	CA-C-N	15.56	151.26	121.54
2	7R	57	LYS	C-N-CA	15.56	151.26	121.54
2	7V	54	ASN	CB-CG-ND2	-15.56	93.06	116.40
2	1B	54	ASN	CB-CG-ND2	-15.55	93.07	116.40
2	1F	21	THR	CA-C-N	-15.55	95.01	121.92
2	1F	21	THR	C-N-CA	-15.55	95.01	121.92
2	13	56	SER	N-CA-C	-15.55	95.32	113.21
2	17	56	SER	N-CA-C	-15.55	95.32	113.21
2	2B	56	SER	N-CA-C	-15.55	95.32	113.21
2	5N	56	SER	N-CA-C	-15.55	95.32	113.21
2	1F	57	LYS	CA-C-N	15.55	151.25	121.54
2	1F	57	LYS	C-N-CA	15.55	151.25	121.54
2	1J	54	ASN	CB-CG-ND2	-15.55	93.07	116.40
2	2F	54	ASN	CB-CG-ND2	-15.55	93.07	116.40
2	2N	21	THR	CA-C-N	-15.55	95.01	121.92
2	2N	21	THR	C-N-CA	-15.55	95.01	121.92
2	3R	56	SER	N-CA-C	-15.55	95.32	113.21
2	3V	56	SER	N-CA-C	-15.55	95.32	113.21
2	3Z	56	SER	N-CA-C	-15.55	95.32	113.21
2	7B	56	SER	N-CA-C	-15.55	95.32	113.21
2	2N	57	LYS	CA-C-N	15.55	151.25	121.54
2	2N	57	LYS	C-N-CA	15.55	151.25	121.54
2	23	21	THR	CA-C-N	-15.55	95.01	121.92
2	23	21	THR	C-N-CA	-15.55	95.01	121.92
2	23	57	LYS	CA-C-N	15.55	151.25	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	57	LYS	C-N-CA	15.55	151.25	121.54
2	27	54	ASN	CB-CG-ND2	-15.55	93.07	116.40
2	3F	54	ASN	CB-CG-ND2	-15.55	93.07	116.40
2	3N	21	THR	CA-C-N	-15.55	95.01	121.92
2	3N	21	THR	C-N-CA	-15.55	95.01	121.92
2	5F	56	SER	N-CA-C	-15.55	95.32	113.21
2	3N	57	LYS	CA-C-N	15.55	151.25	121.54
2	3N	57	LYS	C-N-CA	15.55	151.25	121.54
2	37	21	THR	CA-C-N	-15.55	95.01	121.92
2	37	21	THR	C-N-CA	-15.55	95.01	121.92
2	37	57	LYS	CA-C-N	15.55	151.25	121.54
2	37	57	LYS	C-N-CA	15.55	151.25	121.54
2	4B	54	ASN	CB-CG-ND2	-15.55	93.07	116.40
2	4J	21	THR	CA-C-N	-15.55	95.01	121.92
2	4J	21	THR	C-N-CA	-15.55	95.01	121.92
2	4J	57	LYS	CA-C-N	15.55	151.25	121.54
2	4J	57	LYS	C-N-CA	15.55	151.25	121.54
2	4N	54	ASN	CB-CG-ND2	-15.55	93.07	116.40
2	4R	21	THR	CA-C-N	-15.55	95.01	121.92
2	4R	21	THR	C-N-CA	-15.55	95.01	121.92
2	63	56	SER	N-CA-C	-15.55	95.32	113.21
2	4R	57	LYS	CA-C-N	15.55	151.25	121.54
2	4R	57	LYS	C-N-CA	15.55	151.25	121.54
2	4V	54	ASN	CB-CG-ND2	-15.55	93.07	116.40
2	5J	56	SER	N-CA-C	-15.55	95.32	113.21
2	5R	54	ASN	CB-CG-ND2	-15.55	93.07	116.40
2	5Z	21	THR	CA-C-N	-15.55	95.01	121.92
2	5Z	21	THR	C-N-CA	-15.55	95.01	121.92
2	5Z	57	LYS	CA-C-N	15.55	151.25	121.54
2	5Z	57	LYS	C-N-CA	15.55	151.25	121.54
2	6F	21	THR	CA-C-N	-15.55	95.01	121.92
2	6F	21	THR	C-N-CA	-15.55	95.01	121.92
2	6F	57	LYS	CA-C-N	15.55	151.25	121.54
2	6F	57	LYS	C-N-CA	15.55	151.25	121.54
2	6J	54	ASN	CB-CG-ND2	-15.55	93.07	116.40
2	6R	54	ASN	CB-CG-ND2	-15.55	93.07	116.40
2	6Z	21	THR	CA-C-N	-15.55	95.01	121.92
2	6Z	21	THR	C-N-CA	-15.55	95.01	121.92
2	67	56	SER	N-CA-C	-15.55	95.32	113.21
2	6Z	57	LYS	CA-C-N	15.55	151.25	121.54
2	6Z	57	LYS	C-N-CA	15.55	151.25	121.54
2	7J	21	THR	CA-C-N	-15.55	95.01	121.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	21	THR	C-N-CA	-15.55	95.01	121.92
2	7J	57	LYS	CA-C-N	15.55	151.25	121.54
2	7J	57	LYS	C-N-CA	15.55	151.25	121.54
2	7N	54	ASN	CB-CG-ND2	-15.55	93.07	116.40
2	7V	21	THR	CA-C-N	-15.55	95.01	121.92
2	7V	21	THR	C-N-CA	-15.55	95.01	121.92
2	7V	57	LYS	CA-C-N	15.55	151.25	121.54
2	7V	57	LYS	C-N-CA	15.55	151.25	121.54
2	1R	21	THR	CA-C-N	-15.55	95.02	121.92
2	1R	21	THR	C-N-CA	-15.55	95.02	121.92
2	1V	21	THR	CA-C-N	-15.55	95.02	121.92
2	1V	21	THR	C-N-CA	-15.55	95.02	121.92
2	1Z	21	THR	CA-C-N	-15.55	95.02	121.92
2	1Z	21	THR	C-N-CA	-15.55	95.02	121.92
2	2R	21	THR	CA-C-N	-15.55	95.02	121.92
2	2R	21	THR	C-N-CA	-15.55	95.02	121.92
2	2V	21	THR	CA-C-N	-15.55	95.02	121.92
2	2V	21	THR	C-N-CA	-15.55	95.02	121.92
2	2Z	21	THR	CA-C-N	-15.55	95.02	121.92
2	2Z	21	THR	C-N-CA	-15.55	95.02	121.92
2	43	21	THR	CA-C-N	-15.55	95.02	121.92
2	43	21	THR	C-N-CA	-15.55	95.02	121.92
2	47	21	THR	CA-C-N	-15.55	95.02	121.92
2	47	21	THR	C-N-CA	-15.55	95.02	121.92
2	5B	21	THR	CA-C-N	-15.55	95.02	121.92
2	5B	21	THR	C-N-CA	-15.55	95.02	121.92
2	53	21	THR	CA-C-N	-15.55	95.02	121.92
2	53	21	THR	C-N-CA	-15.55	95.02	121.92
2	57	21	THR	CA-C-N	-15.55	95.02	121.92
2	57	21	THR	C-N-CA	-15.55	95.02	121.92
2	6B	21	THR	CA-C-N	-15.55	95.02	121.92
2	6B	21	THR	C-N-CA	-15.55	95.02	121.92
2	1R	56	SER	N-CA-C	-15.55	95.33	113.21
2	1V	56	SER	N-CA-C	-15.55	95.33	113.21
2	1Z	56	SER	N-CA-C	-15.55	95.33	113.21
2	13	54	ASN	CB-CG-ND2	-15.55	93.08	116.40
2	17	54	ASN	CB-CG-ND2	-15.55	93.08	116.40
2	2B	54	ASN	CB-CG-ND2	-15.55	93.08	116.40
2	2R	56	SER	N-CA-C	-15.55	95.33	113.21
2	2V	56	SER	N-CA-C	-15.55	95.33	113.21
2	2Z	56	SER	N-CA-C	-15.55	95.33	113.21
2	3R	54	ASN	CB-CG-ND2	-15.55	93.08	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	54	ASN	CB-CG-ND2	-15.55	93.08	116.40
2	3Z	54	ASN	CB-CG-ND2	-15.55	93.08	116.40
2	43	56	SER	N-CA-C	-15.55	95.33	113.21
2	47	56	SER	N-CA-C	-15.55	95.33	113.21
2	5B	56	SER	N-CA-C	-15.55	95.33	113.21
2	5F	54	ASN	CB-CG-ND2	-15.55	93.08	116.40
2	5J	54	ASN	CB-CG-ND2	-15.55	93.08	116.40
2	5N	54	ASN	CB-CG-ND2	-15.55	93.08	116.40
2	53	56	SER	N-CA-C	-15.55	95.33	113.21
2	57	56	SER	N-CA-C	-15.55	95.33	113.21
2	6B	56	SER	N-CA-C	-15.55	95.33	113.21
2	63	54	ASN	CB-CG-ND2	-15.55	93.08	116.40
2	67	54	ASN	CB-CG-ND2	-15.55	93.08	116.40
2	7B	54	ASN	CB-CG-ND2	-15.55	93.08	116.40
2	1B	56	SER	N-CA-C	-15.53	95.35	113.21
2	1F	56	SER	N-CA-C	-15.53	95.35	113.21
2	1J	56	SER	N-CA-C	-15.53	95.35	113.21
2	2F	56	SER	N-CA-C	-15.53	95.35	113.21
2	2N	56	SER	N-CA-C	-15.53	95.35	113.21
2	23	56	SER	N-CA-C	-15.53	95.35	113.21
2	27	56	SER	N-CA-C	-15.53	95.35	113.21
2	3F	56	SER	N-CA-C	-15.53	95.35	113.21
2	3N	56	SER	N-CA-C	-15.53	95.35	113.21
2	37	56	SER	N-CA-C	-15.53	95.35	113.21
2	4B	56	SER	N-CA-C	-15.53	95.35	113.21
2	4J	56	SER	N-CA-C	-15.53	95.35	113.21
2	4N	56	SER	N-CA-C	-15.53	95.35	113.21
2	4R	56	SER	N-CA-C	-15.53	95.35	113.21
2	4V	56	SER	N-CA-C	-15.53	95.35	113.21
2	5R	56	SER	N-CA-C	-15.53	95.35	113.21
2	5Z	56	SER	N-CA-C	-15.53	95.35	113.21
2	6F	56	SER	N-CA-C	-15.53	95.35	113.21
2	6J	56	SER	N-CA-C	-15.53	95.35	113.21
2	6R	56	SER	N-CA-C	-15.53	95.35	113.21
2	6Z	56	SER	N-CA-C	-15.53	95.35	113.21
2	7J	56	SER	N-CA-C	-15.53	95.35	113.21
2	7N	56	SER	N-CA-C	-15.53	95.35	113.21
2	7V	56	SER	N-CA-C	-15.53	95.35	113.21
2	1R	107	PHE	O-C-N	-15.50	105.29	122.03
2	1V	107	PHE	O-C-N	-15.50	105.29	122.03
2	1Z	107	PHE	O-C-N	-15.50	105.29	122.03
2	2R	107	PHE	O-C-N	-15.50	105.29	122.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	107	PHE	O-C-N	-15.50	105.29	122.03
2	2Z	107	PHE	O-C-N	-15.50	105.29	122.03
2	43	107	PHE	O-C-N	-15.50	105.29	122.03
2	47	107	PHE	O-C-N	-15.50	105.29	122.03
2	5B	107	PHE	O-C-N	-15.50	105.29	122.03
2	53	107	PHE	O-C-N	-15.50	105.29	122.03
2	57	107	PHE	O-C-N	-15.50	105.29	122.03
2	6B	107	PHE	O-C-N	-15.50	105.29	122.03
1	12	90	PHE	CB-CG-CD1	-15.49	94.37	120.70
2	13	107	PHE	O-C-N	-15.49	105.30	122.03
1	16	90	PHE	CB-CG-CD1	-15.49	94.37	120.70
2	17	107	PHE	O-C-N	-15.49	105.30	122.03
1	2A	90	PHE	CB-CG-CD1	-15.49	94.37	120.70
2	2B	107	PHE	O-C-N	-15.49	105.30	122.03
1	3Q	90	PHE	CB-CG-CD1	-15.49	94.37	120.70
2	3R	107	PHE	O-C-N	-15.49	105.30	122.03
1	3U	90	PHE	CB-CG-CD1	-15.49	94.37	120.70
2	3V	107	PHE	O-C-N	-15.49	105.30	122.03
1	3Y	90	PHE	CB-CG-CD1	-15.49	94.37	120.70
2	3Z	107	PHE	O-C-N	-15.49	105.30	122.03
1	5E	90	PHE	CB-CG-CD1	-15.49	94.37	120.70
2	5F	107	PHE	O-C-N	-15.49	105.30	122.03
1	5I	90	PHE	CB-CG-CD1	-15.49	94.37	120.70
2	5J	107	PHE	O-C-N	-15.49	105.30	122.03
1	5M	90	PHE	CB-CG-CD1	-15.49	94.37	120.70
2	5N	107	PHE	O-C-N	-15.49	105.30	122.03
1	62	90	PHE	CB-CG-CD1	-15.49	94.37	120.70
2	63	107	PHE	O-C-N	-15.49	105.30	122.03
1	66	90	PHE	CB-CG-CD1	-15.49	94.37	120.70
2	67	107	PHE	O-C-N	-15.49	105.30	122.03
1	7A	90	PHE	CB-CG-CD1	-15.49	94.37	120.70
2	7B	107	PHE	O-C-N	-15.49	105.30	122.03
1	1Q	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	1U	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	1Y	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	2Q	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	2U	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	2Y	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	42	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	46	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	5A	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	52	90	PHE	CB-CG-CD1	-15.47	94.40	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	6A	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	1A	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	1I	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	2E	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	26	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	3E	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	4A	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	4M	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	4U	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	5Q	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	6I	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	6Q	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
1	7M	90	PHE	CB-CG-CD1	-15.47	94.40	120.70
2	1B	107	PHE	O-C-N	-15.46	105.33	122.03
2	1J	107	PHE	O-C-N	-15.46	105.33	122.03
1	1M	90	PHE	CB-CG-CD1	-15.46	94.42	120.70
2	2F	107	PHE	O-C-N	-15.46	105.33	122.03
1	2I	90	PHE	CB-CG-CD1	-15.46	94.42	120.70
2	27	107	PHE	O-C-N	-15.46	105.33	122.03
1	3A	90	PHE	CB-CG-CD1	-15.46	94.42	120.70
2	3F	107	PHE	O-C-N	-15.46	105.33	122.03
1	3I	90	PHE	CB-CG-CD1	-15.46	94.42	120.70
1	32	90	PHE	CB-CG-CD1	-15.46	94.42	120.70
2	4B	107	PHE	O-C-N	-15.46	105.33	122.03
1	4E	90	PHE	CB-CG-CD1	-15.46	94.42	120.70
2	4N	107	PHE	O-C-N	-15.46	105.33	122.03
2	4V	107	PHE	O-C-N	-15.46	105.33	122.03
1	4Y	90	PHE	CB-CG-CD1	-15.46	94.42	120.70
2	5R	107	PHE	O-C-N	-15.46	105.33	122.03
1	5U	90	PHE	CB-CG-CD1	-15.46	94.42	120.70
2	6J	107	PHE	O-C-N	-15.46	105.33	122.03
1	6M	90	PHE	CB-CG-CD1	-15.46	94.42	120.70
2	6R	107	PHE	O-C-N	-15.46	105.33	122.03
1	6U	90	PHE	CB-CG-CD1	-15.46	94.42	120.70
1	7E	90	PHE	CB-CG-CD1	-15.46	94.42	120.70
2	7N	107	PHE	O-C-N	-15.46	105.33	122.03
1	7Q	90	PHE	CB-CG-CD1	-15.46	94.42	120.70
1	1E	149	THR	N-CA-C	15.46	133.47	109.52
1	2M	149	THR	N-CA-C	15.46	133.47	109.52
1	22	149	THR	N-CA-C	15.46	133.47	109.52
1	3M	149	THR	N-CA-C	15.46	133.47	109.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	149	THR	N-CA-C	15.46	133.47	109.52
1	4I	149	THR	N-CA-C	15.46	133.47	109.52
1	4Q	149	THR	N-CA-C	15.46	133.47	109.52
1	5Y	149	THR	N-CA-C	15.46	133.47	109.52
1	6E	149	THR	N-CA-C	15.46	133.47	109.52
1	6Y	149	THR	N-CA-C	15.46	133.47	109.52
1	7I	149	THR	N-CA-C	15.46	133.47	109.52
1	7U	149	THR	N-CA-C	15.46	133.47	109.52
1	1E	90	PHE	CB-CG-CD1	-15.45	94.43	120.70
1	2M	90	PHE	CB-CG-CD1	-15.45	94.43	120.70
1	22	90	PHE	CB-CG-CD1	-15.45	94.43	120.70
1	3M	90	PHE	CB-CG-CD1	-15.45	94.43	120.70
1	36	90	PHE	CB-CG-CD1	-15.45	94.43	120.70
1	4I	90	PHE	CB-CG-CD1	-15.45	94.43	120.70
1	4Q	90	PHE	CB-CG-CD1	-15.45	94.43	120.70
1	5Y	90	PHE	CB-CG-CD1	-15.45	94.43	120.70
1	6E	90	PHE	CB-CG-CD1	-15.45	94.43	120.70
1	6Y	90	PHE	CB-CG-CD1	-15.45	94.43	120.70
1	7I	90	PHE	CB-CG-CD1	-15.45	94.43	120.70
1	7U	90	PHE	CB-CG-CD1	-15.45	94.43	120.70
1	1Q	149	THR	N-CA-C	15.45	133.46	109.52
1	1U	149	THR	N-CA-C	15.45	133.46	109.52
1	1Y	149	THR	N-CA-C	15.45	133.46	109.52
1	2Q	149	THR	N-CA-C	15.45	133.46	109.52
1	2U	149	THR	N-CA-C	15.45	133.46	109.52
1	2Y	149	THR	N-CA-C	15.45	133.46	109.52
1	42	149	THR	N-CA-C	15.45	133.46	109.52
1	46	149	THR	N-CA-C	15.45	133.46	109.52
1	5A	149	THR	N-CA-C	15.45	133.46	109.52
1	52	149	THR	N-CA-C	15.45	133.46	109.52
1	56	149	THR	N-CA-C	15.45	133.46	109.52
1	6A	149	THR	N-CA-C	15.45	133.46	109.52
2	1N	107	PHE	O-C-N	-15.44	105.35	122.03
2	2J	107	PHE	O-C-N	-15.44	105.35	122.03
2	3B	107	PHE	O-C-N	-15.44	105.35	122.03
2	3J	107	PHE	O-C-N	-15.44	105.35	122.03
2	33	107	PHE	O-C-N	-15.44	105.35	122.03
2	4F	107	PHE	O-C-N	-15.44	105.35	122.03
2	4Z	107	PHE	O-C-N	-15.44	105.35	122.03
2	5V	107	PHE	O-C-N	-15.44	105.35	122.03
2	6N	107	PHE	O-C-N	-15.44	105.35	122.03
2	6V	107	PHE	O-C-N	-15.44	105.35	122.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	107	PHE	O-C-N	-15.44	105.35	122.03
2	7R	107	PHE	O-C-N	-15.44	105.35	122.03
1	1M	149	THR	N-CA-C	15.44	133.45	109.52
1	2I	149	THR	N-CA-C	15.44	133.45	109.52
1	3A	149	THR	N-CA-C	15.44	133.45	109.52
1	3I	149	THR	N-CA-C	15.44	133.45	109.52
1	32	149	THR	N-CA-C	15.44	133.45	109.52
1	4E	149	THR	N-CA-C	15.44	133.45	109.52
1	4Y	149	THR	N-CA-C	15.44	133.45	109.52
1	5U	149	THR	N-CA-C	15.44	133.45	109.52
1	6M	149	THR	N-CA-C	15.44	133.45	109.52
1	6U	149	THR	N-CA-C	15.44	133.45	109.52
1	7E	149	THR	N-CA-C	15.44	133.45	109.52
1	7Q	149	THR	N-CA-C	15.44	133.45	109.52
2	1F	107	PHE	O-C-N	-15.44	105.36	122.03
2	2N	107	PHE	O-C-N	-15.44	105.36	122.03
2	23	107	PHE	O-C-N	-15.44	105.36	122.03
2	3N	107	PHE	O-C-N	-15.44	105.36	122.03
2	37	107	PHE	O-C-N	-15.44	105.36	122.03
2	4J	107	PHE	O-C-N	-15.44	105.36	122.03
2	4R	107	PHE	O-C-N	-15.44	105.36	122.03
2	5Z	107	PHE	O-C-N	-15.44	105.36	122.03
2	6F	107	PHE	O-C-N	-15.44	105.36	122.03
2	6Z	107	PHE	O-C-N	-15.44	105.36	122.03
2	7J	107	PHE	O-C-N	-15.44	105.36	122.03
2	7V	107	PHE	O-C-N	-15.44	105.36	122.03
2	1B	56	SER	O-C-N	-15.44	94.56	122.34
2	1J	56	SER	O-C-N	-15.44	94.56	122.34
2	13	208	SER	CA-C-O	15.44	135.88	118.90
2	17	208	SER	CA-C-O	15.44	135.88	118.90
2	2B	208	SER	CA-C-O	15.44	135.88	118.90
2	2F	56	SER	O-C-N	-15.44	94.56	122.34
2	27	56	SER	O-C-N	-15.44	94.56	122.34
2	3F	56	SER	O-C-N	-15.44	94.56	122.34
2	3R	208	SER	CA-C-O	15.44	135.88	118.90
2	3V	208	SER	CA-C-O	15.44	135.88	118.90
2	3Z	208	SER	CA-C-O	15.44	135.88	118.90
2	4B	56	SER	O-C-N	-15.44	94.56	122.34
2	4N	56	SER	O-C-N	-15.44	94.56	122.34
2	4V	56	SER	O-C-N	-15.44	94.56	122.34
2	5F	208	SER	CA-C-O	15.44	135.88	118.90
2	5J	208	SER	CA-C-O	15.44	135.88	118.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5N	208	SER	CA-C-O	15.44	135.88	118.90
2	5R	56	SER	O-C-N	-15.44	94.56	122.34
2	6J	56	SER	O-C-N	-15.44	94.56	122.34
2	6R	56	SER	O-C-N	-15.44	94.56	122.34
2	63	208	SER	CA-C-O	15.44	135.88	118.90
2	67	208	SER	CA-C-O	15.44	135.88	118.90
2	7B	208	SER	CA-C-O	15.44	135.88	118.90
2	7N	56	SER	O-C-N	-15.44	94.56	122.34
2	1N	56	SER	O-C-N	-15.43	94.57	122.34
2	1R	208	SER	CA-C-O	15.43	135.87	118.90
2	1V	208	SER	CA-C-O	15.43	135.87	118.90
2	1Z	208	SER	CA-C-O	15.43	135.87	118.90
2	2J	56	SER	O-C-N	-15.43	94.57	122.34
2	2R	208	SER	CA-C-O	15.43	135.87	118.90
2	2V	208	SER	CA-C-O	15.43	135.87	118.90
2	2Z	208	SER	CA-C-O	15.43	135.87	118.90
2	3B	56	SER	O-C-N	-15.43	94.57	122.34
2	3J	56	SER	O-C-N	-15.43	94.57	122.34
2	33	56	SER	O-C-N	-15.43	94.57	122.34
2	4F	56	SER	O-C-N	-15.43	94.57	122.34
2	4Z	56	SER	O-C-N	-15.43	94.57	122.34
2	43	208	SER	CA-C-O	15.43	135.87	118.90
2	47	208	SER	CA-C-O	15.43	135.87	118.90
2	5B	208	SER	CA-C-O	15.43	135.87	118.90
2	5V	56	SER	O-C-N	-15.43	94.57	122.34
2	53	208	SER	CA-C-O	15.43	135.87	118.90
2	57	208	SER	CA-C-O	15.43	135.87	118.90
2	6B	208	SER	CA-C-O	15.43	135.87	118.90
2	6N	56	SER	O-C-N	-15.43	94.57	122.34
2	6V	56	SER	O-C-N	-15.43	94.57	122.34
2	7F	56	SER	O-C-N	-15.43	94.57	122.34
2	7R	56	SER	O-C-N	-15.43	94.57	122.34
2	13	56	SER	O-C-N	-15.42	94.58	122.34
2	17	56	SER	O-C-N	-15.42	94.58	122.34
2	2B	56	SER	O-C-N	-15.42	94.58	122.34
2	3R	56	SER	O-C-N	-15.42	94.58	122.34
2	3V	56	SER	O-C-N	-15.42	94.58	122.34
2	3Z	56	SER	O-C-N	-15.42	94.58	122.34
2	5F	56	SER	O-C-N	-15.42	94.58	122.34
2	5J	56	SER	O-C-N	-15.42	94.58	122.34
2	5N	56	SER	O-C-N	-15.42	94.58	122.34
2	63	56	SER	O-C-N	-15.42	94.58	122.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	56	SER	O-C-N	-15.42	94.58	122.34
2	7B	56	SER	O-C-N	-15.42	94.58	122.34
2	1F	2	GLU	CA-C-N	-15.42	99.43	120.25
2	1F	2	GLU	C-N-CA	-15.42	99.43	120.25
2	2N	2	GLU	CA-C-N	-15.42	99.43	120.25
2	2N	2	GLU	C-N-CA	-15.42	99.43	120.25
2	23	2	GLU	CA-C-N	-15.42	99.43	120.25
2	23	2	GLU	C-N-CA	-15.42	99.43	120.25
2	3N	2	GLU	CA-C-N	-15.42	99.43	120.25
2	3N	2	GLU	C-N-CA	-15.42	99.43	120.25
2	37	2	GLU	CA-C-N	-15.42	99.43	120.25
2	37	2	GLU	C-N-CA	-15.42	99.43	120.25
2	4J	2	GLU	CA-C-N	-15.42	99.43	120.25
2	4J	2	GLU	C-N-CA	-15.42	99.43	120.25
2	4R	2	GLU	CA-C-N	-15.42	99.43	120.25
2	4R	2	GLU	C-N-CA	-15.42	99.43	120.25
2	5Z	2	GLU	CA-C-N	-15.42	99.43	120.25
2	5Z	2	GLU	C-N-CA	-15.42	99.43	120.25
2	6F	2	GLU	CA-C-N	-15.42	99.43	120.25
2	6F	2	GLU	C-N-CA	-15.42	99.43	120.25
2	6Z	2	GLU	CA-C-N	-15.42	99.43	120.25
2	6Z	2	GLU	C-N-CA	-15.42	99.43	120.25
2	7J	2	GLU	CA-C-N	-15.42	99.43	120.25
2	7J	2	GLU	C-N-CA	-15.42	99.43	120.25
2	7V	2	GLU	CA-C-N	-15.42	99.43	120.25
2	7V	2	GLU	C-N-CA	-15.42	99.43	120.25
2	1B	208	SER	CA-C-O	15.42	135.86	118.90
2	1J	208	SER	CA-C-O	15.42	135.86	118.90
1	12	149	THR	N-CA-C	15.42	133.42	109.52
1	16	149	THR	N-CA-C	15.42	133.42	109.52
1	2A	149	THR	N-CA-C	15.42	133.42	109.52
2	2F	208	SER	CA-C-O	15.42	135.86	118.90
2	27	208	SER	CA-C-O	15.42	135.86	118.90
2	3F	208	SER	CA-C-O	15.42	135.86	118.90
1	3Q	149	THR	N-CA-C	15.42	133.42	109.52
1	3U	149	THR	N-CA-C	15.42	133.42	109.52
1	3Y	149	THR	N-CA-C	15.42	133.42	109.52
2	4B	208	SER	CA-C-O	15.42	135.86	118.90
2	4N	208	SER	CA-C-O	15.42	135.86	118.90
2	4V	208	SER	CA-C-O	15.42	135.86	118.90
1	5E	149	THR	N-CA-C	15.42	133.42	109.52
1	5I	149	THR	N-CA-C	15.42	133.42	109.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	149	THR	N-CA-C	15.42	133.42	109.52
2	5R	208	SER	CA-C-O	15.42	135.86	118.90
2	6J	208	SER	CA-C-O	15.42	135.86	118.90
2	6R	208	SER	CA-C-O	15.42	135.86	118.90
1	62	149	THR	N-CA-C	15.42	133.42	109.52
1	66	149	THR	N-CA-C	15.42	133.42	109.52
1	7A	149	THR	N-CA-C	15.42	133.42	109.52
2	7N	208	SER	CA-C-O	15.42	135.86	118.90
1	1A	149	THR	N-CA-C	15.41	133.41	109.52
1	1I	149	THR	N-CA-C	15.41	133.41	109.52
1	2E	149	THR	N-CA-C	15.41	133.41	109.52
1	26	149	THR	N-CA-C	15.41	133.41	109.52
1	3E	149	THR	N-CA-C	15.41	133.41	109.52
1	4A	149	THR	N-CA-C	15.41	133.41	109.52
1	4M	149	THR	N-CA-C	15.41	133.41	109.52
1	4U	149	THR	N-CA-C	15.41	133.41	109.52
1	5Q	149	THR	N-CA-C	15.41	133.41	109.52
1	6I	149	THR	N-CA-C	15.41	133.41	109.52
1	6Q	149	THR	N-CA-C	15.41	133.41	109.52
1	7M	149	THR	N-CA-C	15.41	133.41	109.52
2	1R	56	SER	O-C-N	-15.41	94.60	122.34
2	1V	56	SER	O-C-N	-15.41	94.60	122.34
2	1Z	56	SER	O-C-N	-15.41	94.60	122.34
2	2R	56	SER	O-C-N	-15.41	94.60	122.34
2	2V	56	SER	O-C-N	-15.41	94.60	122.34
2	2Z	56	SER	O-C-N	-15.41	94.60	122.34
2	43	56	SER	O-C-N	-15.41	94.60	122.34
2	47	56	SER	O-C-N	-15.41	94.60	122.34
2	5B	56	SER	O-C-N	-15.41	94.60	122.34
2	53	56	SER	O-C-N	-15.41	94.60	122.34
2	57	56	SER	O-C-N	-15.41	94.60	122.34
2	6B	56	SER	O-C-N	-15.41	94.60	122.34
2	1B	2	GLU	CA-C-N	-15.41	99.45	120.25
2	1B	2	GLU	C-N-CA	-15.41	99.45	120.25
2	1J	2	GLU	CA-C-N	-15.41	99.45	120.25
2	1J	2	GLU	C-N-CA	-15.41	99.45	120.25
2	1N	2	GLU	CA-C-N	-15.41	99.45	120.25
2	1N	2	GLU	C-N-CA	-15.41	99.45	120.25
2	2F	2	GLU	CA-C-N	-15.41	99.45	120.25
2	2F	2	GLU	C-N-CA	-15.41	99.45	120.25
2	2J	2	GLU	CA-C-N	-15.41	99.45	120.25
2	2J	2	GLU	C-N-CA	-15.41	99.45	120.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	27	2	GLU	CA-C-N	-15.41	99.45	120.25
2	27	2	GLU	C-N-CA	-15.41	99.45	120.25
2	3B	2	GLU	CA-C-N	-15.41	99.45	120.25
2	3B	2	GLU	C-N-CA	-15.41	99.45	120.25
2	3F	2	GLU	CA-C-N	-15.41	99.45	120.25
2	3F	2	GLU	C-N-CA	-15.41	99.45	120.25
2	3J	2	GLU	CA-C-N	-15.41	99.45	120.25
2	3J	2	GLU	C-N-CA	-15.41	99.45	120.25
2	33	2	GLU	CA-C-N	-15.41	99.45	120.25
2	33	2	GLU	C-N-CA	-15.41	99.45	120.25
2	4B	2	GLU	CA-C-N	-15.41	99.45	120.25
2	4B	2	GLU	C-N-CA	-15.41	99.45	120.25
2	4F	2	GLU	CA-C-N	-15.41	99.45	120.25
2	4F	2	GLU	C-N-CA	-15.41	99.45	120.25
2	4N	2	GLU	CA-C-N	-15.41	99.45	120.25
2	4N	2	GLU	C-N-CA	-15.41	99.45	120.25
2	4V	2	GLU	CA-C-N	-15.41	99.45	120.25
2	4V	2	GLU	C-N-CA	-15.41	99.45	120.25
2	4Z	2	GLU	CA-C-N	-15.41	99.45	120.25
2	4Z	2	GLU	C-N-CA	-15.41	99.45	120.25
2	5R	2	GLU	CA-C-N	-15.41	99.45	120.25
2	5R	2	GLU	C-N-CA	-15.41	99.45	120.25
2	5V	2	GLU	CA-C-N	-15.41	99.45	120.25
2	5V	2	GLU	C-N-CA	-15.41	99.45	120.25
2	6J	2	GLU	CA-C-N	-15.41	99.45	120.25
2	6J	2	GLU	C-N-CA	-15.41	99.45	120.25
2	6N	2	GLU	CA-C-N	-15.41	99.45	120.25
2	6N	2	GLU	C-N-CA	-15.41	99.45	120.25
2	6R	2	GLU	CA-C-N	-15.41	99.45	120.25
2	6R	2	GLU	C-N-CA	-15.41	99.45	120.25
2	6V	2	GLU	CA-C-N	-15.41	99.45	120.25
2	6V	2	GLU	C-N-CA	-15.41	99.45	120.25
2	7F	2	GLU	CA-C-N	-15.41	99.45	120.25
2	7F	2	GLU	C-N-CA	-15.41	99.45	120.25
2	7N	2	GLU	CA-C-N	-15.41	99.45	120.25
2	7N	2	GLU	C-N-CA	-15.41	99.45	120.25
2	7R	2	GLU	CA-C-N	-15.41	99.45	120.25
2	7R	2	GLU	C-N-CA	-15.41	99.45	120.25
2	13	2	GLU	CA-C-N	-15.40	99.46	120.25
2	13	2	GLU	C-N-CA	-15.40	99.46	120.25
2	17	2	GLU	CA-C-N	-15.40	99.46	120.25
2	17	2	GLU	C-N-CA	-15.40	99.46	120.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	2	GLU	CA-C-N	-15.40	99.46	120.25
2	2B	2	GLU	C-N-CA	-15.40	99.46	120.25
2	3R	2	GLU	CA-C-N	-15.40	99.46	120.25
2	3R	2	GLU	C-N-CA	-15.40	99.46	120.25
2	3V	2	GLU	CA-C-N	-15.40	99.46	120.25
2	3V	2	GLU	C-N-CA	-15.40	99.46	120.25
2	3Z	2	GLU	CA-C-N	-15.40	99.46	120.25
2	3Z	2	GLU	C-N-CA	-15.40	99.46	120.25
2	5F	2	GLU	CA-C-N	-15.40	99.46	120.25
2	5F	2	GLU	C-N-CA	-15.40	99.46	120.25
2	5J	2	GLU	CA-C-N	-15.40	99.46	120.25
2	5J	2	GLU	C-N-CA	-15.40	99.46	120.25
2	5N	2	GLU	CA-C-N	-15.40	99.46	120.25
2	5N	2	GLU	C-N-CA	-15.40	99.46	120.25
2	63	2	GLU	CA-C-N	-15.40	99.46	120.25
2	63	2	GLU	C-N-CA	-15.40	99.46	120.25
2	67	2	GLU	CA-C-N	-15.40	99.46	120.25
2	67	2	GLU	C-N-CA	-15.40	99.46	120.25
2	7B	2	GLU	CA-C-N	-15.40	99.46	120.25
2	7B	2	GLU	C-N-CA	-15.40	99.46	120.25
2	1F	56	SER	O-C-N	-15.40	94.63	122.34
2	1R	2	GLU	CA-C-N	-15.40	99.47	120.25
2	1R	2	GLU	C-N-CA	-15.40	99.47	120.25
2	1V	2	GLU	CA-C-N	-15.40	99.47	120.25
2	1V	2	GLU	C-N-CA	-15.40	99.47	120.25
2	1Z	2	GLU	CA-C-N	-15.40	99.47	120.25
2	1Z	2	GLU	C-N-CA	-15.40	99.47	120.25
2	2N	56	SER	O-C-N	-15.40	94.63	122.34
2	2R	2	GLU	CA-C-N	-15.40	99.47	120.25
2	2R	2	GLU	C-N-CA	-15.40	99.47	120.25
2	2V	2	GLU	CA-C-N	-15.40	99.47	120.25
2	2V	2	GLU	C-N-CA	-15.40	99.47	120.25
2	2Z	2	GLU	CA-C-N	-15.40	99.47	120.25
2	2Z	2	GLU	C-N-CA	-15.40	99.47	120.25
2	23	56	SER	O-C-N	-15.40	94.63	122.34
2	3N	56	SER	O-C-N	-15.40	94.63	122.34
2	37	56	SER	O-C-N	-15.40	94.63	122.34
2	4J	56	SER	O-C-N	-15.40	94.63	122.34
2	4R	56	SER	O-C-N	-15.40	94.63	122.34
2	43	2	GLU	CA-C-N	-15.40	99.47	120.25
2	43	2	GLU	C-N-CA	-15.40	99.47	120.25
2	47	2	GLU	CA-C-N	-15.40	99.47	120.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	47	2	GLU	C-N-CA	-15.40	99.47	120.25
2	5B	2	GLU	CA-C-N	-15.40	99.47	120.25
2	5B	2	GLU	C-N-CA	-15.40	99.47	120.25
2	5Z	56	SER	O-C-N	-15.40	94.63	122.34
2	53	2	GLU	CA-C-N	-15.40	99.47	120.25
2	53	2	GLU	C-N-CA	-15.40	99.47	120.25
2	57	2	GLU	CA-C-N	-15.40	99.47	120.25
2	57	2	GLU	C-N-CA	-15.40	99.47	120.25
2	6B	2	GLU	CA-C-N	-15.40	99.47	120.25
2	6B	2	GLU	C-N-CA	-15.40	99.47	120.25
2	6F	56	SER	O-C-N	-15.40	94.63	122.34
2	6Z	56	SER	O-C-N	-15.40	94.63	122.34
2	7J	56	SER	O-C-N	-15.40	94.63	122.34
2	7V	56	SER	O-C-N	-15.40	94.63	122.34
2	1F	208	SER	CA-C-O	15.39	135.83	118.90
2	2N	208	SER	CA-C-O	15.39	135.83	118.90
2	23	208	SER	CA-C-O	15.39	135.83	118.90
2	3N	208	SER	CA-C-O	15.39	135.83	118.90
2	37	208	SER	CA-C-O	15.39	135.83	118.90
2	4J	208	SER	CA-C-O	15.39	135.83	118.90
2	4R	208	SER	CA-C-O	15.39	135.83	118.90
2	5Z	208	SER	CA-C-O	15.39	135.83	118.90
2	6F	208	SER	CA-C-O	15.39	135.83	118.90
2	6Z	208	SER	CA-C-O	15.39	135.83	118.90
2	7J	208	SER	CA-C-O	15.39	135.83	118.90
2	7V	208	SER	CA-C-O	15.39	135.83	118.90
1	1A	33	SER	CA-C-N	-15.39	96.05	122.67
1	1A	33	SER	C-N-CA	-15.39	96.05	122.67
1	1I	33	SER	CA-C-N	-15.39	96.05	122.67
1	1I	33	SER	C-N-CA	-15.39	96.05	122.67
1	2E	33	SER	CA-C-N	-15.39	96.05	122.67
1	2E	33	SER	C-N-CA	-15.39	96.05	122.67
1	26	33	SER	CA-C-N	-15.39	96.05	122.67
1	26	33	SER	C-N-CA	-15.39	96.05	122.67
1	3E	33	SER	CA-C-N	-15.39	96.05	122.67
1	3E	33	SER	C-N-CA	-15.39	96.05	122.67
1	4A	33	SER	CA-C-N	-15.39	96.05	122.67
1	4A	33	SER	C-N-CA	-15.39	96.05	122.67
1	4M	33	SER	CA-C-N	-15.39	96.05	122.67
1	4M	33	SER	C-N-CA	-15.39	96.05	122.67
1	4U	33	SER	CA-C-N	-15.39	96.05	122.67
1	4U	33	SER	C-N-CA	-15.39	96.05	122.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Q	33	SER	CA-C-N	-15.39	96.05	122.67
1	5Q	33	SER	C-N-CA	-15.39	96.05	122.67
1	6I	33	SER	CA-C-N	-15.39	96.05	122.67
1	6I	33	SER	C-N-CA	-15.39	96.05	122.67
1	6Q	33	SER	CA-C-N	-15.39	96.05	122.67
1	6Q	33	SER	C-N-CA	-15.39	96.05	122.67
1	7M	33	SER	CA-C-N	-15.39	96.05	122.67
1	7M	33	SER	C-N-CA	-15.39	96.05	122.67
1	12	33	SER	CA-C-N	-15.38	96.06	122.67
1	12	33	SER	C-N-CA	-15.38	96.06	122.67
1	16	33	SER	CA-C-N	-15.38	96.06	122.67
1	16	33	SER	C-N-CA	-15.38	96.06	122.67
1	2A	33	SER	CA-C-N	-15.38	96.06	122.67
1	2A	33	SER	C-N-CA	-15.38	96.06	122.67
1	3Q	33	SER	CA-C-N	-15.38	96.06	122.67
1	3Q	33	SER	C-N-CA	-15.38	96.06	122.67
1	3U	33	SER	CA-C-N	-15.38	96.06	122.67
1	3U	33	SER	C-N-CA	-15.38	96.06	122.67
1	3Y	33	SER	CA-C-N	-15.38	96.06	122.67
1	3Y	33	SER	C-N-CA	-15.38	96.06	122.67
1	5E	33	SER	CA-C-N	-15.38	96.06	122.67
1	5E	33	SER	C-N-CA	-15.38	96.06	122.67
1	5I	33	SER	CA-C-N	-15.38	96.06	122.67
1	5I	33	SER	C-N-CA	-15.38	96.06	122.67
1	5M	33	SER	CA-C-N	-15.38	96.06	122.67
1	5M	33	SER	C-N-CA	-15.38	96.06	122.67
1	62	33	SER	CA-C-N	-15.38	96.06	122.67
1	62	33	SER	C-N-CA	-15.38	96.06	122.67
1	66	33	SER	CA-C-N	-15.38	96.06	122.67
1	66	33	SER	C-N-CA	-15.38	96.06	122.67
1	7A	33	SER	CA-C-N	-15.38	96.06	122.67
1	7A	33	SER	C-N-CA	-15.38	96.06	122.67
1	1M	33	SER	CA-C-N	-15.38	96.06	122.67
1	1M	33	SER	C-N-CA	-15.38	96.06	122.67
2	1N	208	SER	CA-C-O	15.38	135.82	118.90
1	2I	33	SER	CA-C-N	-15.38	96.06	122.67
1	2I	33	SER	C-N-CA	-15.38	96.06	122.67
2	2J	208	SER	CA-C-O	15.38	135.82	118.90
1	3A	33	SER	CA-C-N	-15.38	96.06	122.67
1	3A	33	SER	C-N-CA	-15.38	96.06	122.67
2	3B	208	SER	CA-C-O	15.38	135.82	118.90
1	3I	33	SER	CA-C-N	-15.38	96.06	122.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3I	33	SER	C-N-CA	-15.38	96.06	122.67
2	3J	208	SER	CA-C-O	15.38	135.82	118.90
1	32	33	SER	CA-C-N	-15.38	96.06	122.67
1	32	33	SER	C-N-CA	-15.38	96.06	122.67
2	33	208	SER	CA-C-O	15.38	135.82	118.90
1	4E	33	SER	CA-C-N	-15.38	96.06	122.67
1	4E	33	SER	C-N-CA	-15.38	96.06	122.67
2	4F	208	SER	CA-C-O	15.38	135.82	118.90
1	4Y	33	SER	CA-C-N	-15.38	96.06	122.67
1	4Y	33	SER	C-N-CA	-15.38	96.06	122.67
2	4Z	208	SER	CA-C-O	15.38	135.82	118.90
1	5U	33	SER	CA-C-N	-15.38	96.06	122.67
1	5U	33	SER	C-N-CA	-15.38	96.06	122.67
2	5V	208	SER	CA-C-O	15.38	135.82	118.90
1	6M	33	SER	CA-C-N	-15.38	96.06	122.67
1	6M	33	SER	C-N-CA	-15.38	96.06	122.67
2	6N	208	SER	CA-C-O	15.38	135.82	118.90
1	6U	33	SER	CA-C-N	-15.38	96.06	122.67
1	6U	33	SER	C-N-CA	-15.38	96.06	122.67
2	6V	208	SER	CA-C-O	15.38	135.82	118.90
1	7E	33	SER	CA-C-N	-15.38	96.06	122.67
1	7E	33	SER	C-N-CA	-15.38	96.06	122.67
2	7F	208	SER	CA-C-O	15.38	135.82	118.90
1	7Q	33	SER	CA-C-N	-15.38	96.06	122.67
1	7Q	33	SER	C-N-CA	-15.38	96.06	122.67
2	7R	208	SER	CA-C-O	15.38	135.82	118.90
1	1E	33	SER	CA-C-N	-15.37	96.07	122.67
1	1E	33	SER	C-N-CA	-15.37	96.07	122.67
1	2M	33	SER	CA-C-N	-15.37	96.07	122.67
1	2M	33	SER	C-N-CA	-15.37	96.07	122.67
1	22	33	SER	CA-C-N	-15.37	96.07	122.67
1	22	33	SER	C-N-CA	-15.37	96.07	122.67
1	3M	33	SER	CA-C-N	-15.37	96.07	122.67
1	3M	33	SER	C-N-CA	-15.37	96.07	122.67
1	36	33	SER	CA-C-N	-15.37	96.07	122.67
1	36	33	SER	C-N-CA	-15.37	96.07	122.67
1	4I	33	SER	CA-C-N	-15.37	96.07	122.67
1	4I	33	SER	C-N-CA	-15.37	96.07	122.67
1	4Q	33	SER	CA-C-N	-15.37	96.07	122.67
1	4Q	33	SER	C-N-CA	-15.37	96.07	122.67
1	5Y	33	SER	CA-C-N	-15.37	96.07	122.67
1	5Y	33	SER	C-N-CA	-15.37	96.07	122.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6E	33	SER	CA-C-N	-15.37	96.07	122.67
1	6E	33	SER	C-N-CA	-15.37	96.07	122.67
1	6Y	33	SER	CA-C-N	-15.37	96.07	122.67
1	6Y	33	SER	C-N-CA	-15.37	96.07	122.67
1	7I	33	SER	CA-C-N	-15.37	96.07	122.67
1	7I	33	SER	C-N-CA	-15.37	96.07	122.67
1	7U	33	SER	CA-C-N	-15.37	96.07	122.67
1	7U	33	SER	C-N-CA	-15.37	96.07	122.67
1	1Q	33	SER	CA-C-N	-15.36	96.10	122.67
1	1Q	33	SER	C-N-CA	-15.36	96.10	122.67
1	1U	33	SER	CA-C-N	-15.36	96.10	122.67
1	1U	33	SER	C-N-CA	-15.36	96.10	122.67
1	1Y	33	SER	CA-C-N	-15.36	96.10	122.67
1	1Y	33	SER	C-N-CA	-15.36	96.10	122.67
1	2Q	33	SER	CA-C-N	-15.36	96.10	122.67
1	2Q	33	SER	C-N-CA	-15.36	96.10	122.67
1	2U	33	SER	CA-C-N	-15.36	96.10	122.67
1	2U	33	SER	C-N-CA	-15.36	96.10	122.67
1	2Y	33	SER	CA-C-N	-15.36	96.10	122.67
1	2Y	33	SER	C-N-CA	-15.36	96.10	122.67
1	42	33	SER	CA-C-N	-15.36	96.10	122.67
1	42	33	SER	C-N-CA	-15.36	96.10	122.67
1	46	33	SER	CA-C-N	-15.36	96.10	122.67
1	46	33	SER	C-N-CA	-15.36	96.10	122.67
1	5A	33	SER	CA-C-N	-15.36	96.10	122.67
1	5A	33	SER	C-N-CA	-15.36	96.10	122.67
1	52	33	SER	CA-C-N	-15.36	96.10	122.67
1	52	33	SER	C-N-CA	-15.36	96.10	122.67
1	56	33	SER	CA-C-N	-15.36	96.10	122.67
1	56	33	SER	C-N-CA	-15.36	96.10	122.67
1	6A	33	SER	CA-C-N	-15.36	96.10	122.67
1	6A	33	SER	C-N-CA	-15.36	96.10	122.67
2	1N	215	GLN	CA-C-O	-15.29	102.23	119.05
2	2J	215	GLN	CA-C-O	-15.29	102.23	119.05
2	3B	215	GLN	CA-C-O	-15.29	102.23	119.05
2	3J	215	GLN	CA-C-O	-15.29	102.23	119.05
2	33	215	GLN	CA-C-O	-15.29	102.23	119.05
2	4F	215	GLN	CA-C-O	-15.29	102.23	119.05
2	4Z	215	GLN	CA-C-O	-15.29	102.23	119.05
2	5V	215	GLN	CA-C-O	-15.29	102.23	119.05
2	6N	215	GLN	CA-C-O	-15.29	102.23	119.05
2	6V	215	GLN	CA-C-O	-15.29	102.23	119.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	215	GLN	CA-C-O	-15.29	102.23	119.05
2	7R	215	GLN	CA-C-O	-15.29	102.23	119.05
2	1R	215	GLN	CA-C-O	-15.29	102.23	119.05
2	1V	215	GLN	CA-C-O	-15.29	102.23	119.05
2	1Z	215	GLN	CA-C-O	-15.29	102.23	119.05
2	2R	215	GLN	CA-C-O	-15.29	102.23	119.05
2	2V	215	GLN	CA-C-O	-15.29	102.23	119.05
2	2Z	215	GLN	CA-C-O	-15.29	102.23	119.05
2	43	215	GLN	CA-C-O	-15.29	102.23	119.05
2	47	215	GLN	CA-C-O	-15.29	102.23	119.05
2	5B	215	GLN	CA-C-O	-15.29	102.23	119.05
2	53	215	GLN	CA-C-O	-15.29	102.23	119.05
2	57	215	GLN	CA-C-O	-15.29	102.23	119.05
2	6B	215	GLN	CA-C-O	-15.29	102.23	119.05
2	1B	215	GLN	CA-C-O	-15.29	102.24	119.05
2	1J	215	GLN	CA-C-O	-15.29	102.24	119.05
2	2F	215	GLN	CA-C-O	-15.29	102.24	119.05
2	27	215	GLN	CA-C-O	-15.29	102.24	119.05
2	3F	215	GLN	CA-C-O	-15.29	102.24	119.05
2	4B	215	GLN	CA-C-O	-15.29	102.24	119.05
2	4N	215	GLN	CA-C-O	-15.29	102.24	119.05
2	4V	215	GLN	CA-C-O	-15.29	102.24	119.05
2	5R	215	GLN	CA-C-O	-15.29	102.24	119.05
2	6J	215	GLN	CA-C-O	-15.29	102.24	119.05
2	6R	215	GLN	CA-C-O	-15.29	102.24	119.05
2	7N	215	GLN	CA-C-O	-15.29	102.24	119.05
2	13	60	ARG	NE-CZ-NH1	-15.27	106.23	121.50
2	13	215	GLN	CA-C-O	-15.27	102.25	119.05
2	17	60	ARG	NE-CZ-NH1	-15.27	106.23	121.50
2	17	215	GLN	CA-C-O	-15.27	102.25	119.05
2	2B	60	ARG	NE-CZ-NH1	-15.27	106.23	121.50
2	2B	215	GLN	CA-C-O	-15.27	102.25	119.05
2	3R	60	ARG	NE-CZ-NH1	-15.27	106.23	121.50
2	3R	215	GLN	CA-C-O	-15.27	102.25	119.05
2	3V	60	ARG	NE-CZ-NH1	-15.27	106.23	121.50
2	3V	215	GLN	CA-C-O	-15.27	102.25	119.05
2	3Z	60	ARG	NE-CZ-NH1	-15.27	106.23	121.50
2	3Z	215	GLN	CA-C-O	-15.27	102.25	119.05
2	5F	60	ARG	NE-CZ-NH1	-15.27	106.23	121.50
2	5F	215	GLN	CA-C-O	-15.27	102.25	119.05
2	5J	60	ARG	NE-CZ-NH1	-15.27	106.23	121.50
2	5J	215	GLN	CA-C-O	-15.27	102.25	119.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5N	60	ARG	NE-CZ-NH1	-15.27	106.23	121.50
2	5N	215	GLN	CA-C-O	-15.27	102.25	119.05
2	63	60	ARG	NE-CZ-NH1	-15.27	106.23	121.50
2	63	215	GLN	CA-C-O	-15.27	102.25	119.05
2	67	60	ARG	NE-CZ-NH1	-15.27	106.23	121.50
2	67	215	GLN	CA-C-O	-15.27	102.25	119.05
2	7B	60	ARG	NE-CZ-NH1	-15.27	106.23	121.50
2	7B	215	GLN	CA-C-O	-15.27	102.25	119.05
2	1F	215	GLN	CA-C-O	-15.26	102.26	119.05
2	2N	215	GLN	CA-C-O	-15.26	102.26	119.05
2	23	215	GLN	CA-C-O	-15.26	102.26	119.05
2	3N	215	GLN	CA-C-O	-15.26	102.26	119.05
2	37	215	GLN	CA-C-O	-15.26	102.26	119.05
2	4J	215	GLN	CA-C-O	-15.26	102.26	119.05
2	4R	215	GLN	CA-C-O	-15.26	102.26	119.05
2	5Z	215	GLN	CA-C-O	-15.26	102.26	119.05
2	6F	215	GLN	CA-C-O	-15.26	102.26	119.05
2	6Z	215	GLN	CA-C-O	-15.26	102.26	119.05
2	7J	215	GLN	CA-C-O	-15.26	102.26	119.05
2	7V	215	GLN	CA-C-O	-15.26	102.26	119.05
2	1R	60	ARG	NE-CZ-NH1	-15.26	106.24	121.50
2	1V	60	ARG	NE-CZ-NH1	-15.26	106.24	121.50
2	1Z	60	ARG	NE-CZ-NH1	-15.26	106.24	121.50
2	2R	60	ARG	NE-CZ-NH1	-15.26	106.24	121.50
2	2V	60	ARG	NE-CZ-NH1	-15.26	106.24	121.50
2	2Z	60	ARG	NE-CZ-NH1	-15.26	106.24	121.50
2	43	60	ARG	NE-CZ-NH1	-15.26	106.24	121.50
2	47	60	ARG	NE-CZ-NH1	-15.26	106.24	121.50
2	5B	60	ARG	NE-CZ-NH1	-15.26	106.24	121.50
2	53	60	ARG	NE-CZ-NH1	-15.26	106.24	121.50
2	57	60	ARG	NE-CZ-NH1	-15.26	106.24	121.50
2	6B	60	ARG	NE-CZ-NH1	-15.26	106.24	121.50
1	1Q	26	ALA	N-CA-CB	15.25	135.95	110.33
1	1U	26	ALA	N-CA-CB	15.25	135.95	110.33
1	1Y	26	ALA	N-CA-CB	15.25	135.95	110.33
1	2Q	26	ALA	N-CA-CB	15.25	135.95	110.33
1	2U	26	ALA	N-CA-CB	15.25	135.95	110.33
1	2Y	26	ALA	N-CA-CB	15.25	135.95	110.33
1	42	26	ALA	N-CA-CB	15.25	135.95	110.33
1	46	26	ALA	N-CA-CB	15.25	135.95	110.33
1	5A	26	ALA	N-CA-CB	15.25	135.95	110.33
1	52	26	ALA	N-CA-CB	15.25	135.95	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	26	ALA	N-CA-CB	15.25	135.95	110.33
1	6A	26	ALA	N-CA-CB	15.25	135.95	110.33
2	13	57	LYS	CB-CA-C	15.25	138.61	110.70
2	17	57	LYS	CB-CA-C	15.25	138.61	110.70
2	2B	57	LYS	CB-CA-C	15.25	138.61	110.70
2	3R	57	LYS	CB-CA-C	15.25	138.61	110.70
2	3V	57	LYS	CB-CA-C	15.25	138.61	110.70
2	3Z	57	LYS	CB-CA-C	15.25	138.61	110.70
2	5F	57	LYS	CB-CA-C	15.25	138.61	110.70
2	5J	57	LYS	CB-CA-C	15.25	138.61	110.70
2	5N	57	LYS	CB-CA-C	15.25	138.61	110.70
2	63	57	LYS	CB-CA-C	15.25	138.61	110.70
2	67	57	LYS	CB-CA-C	15.25	138.61	110.70
2	7B	57	LYS	CB-CA-C	15.25	138.61	110.70
1	1E	26	ALA	N-CA-CB	15.25	135.94	110.33
1	2M	26	ALA	N-CA-CB	15.25	135.94	110.33
1	22	26	ALA	N-CA-CB	15.25	135.94	110.33
1	3M	26	ALA	N-CA-CB	15.25	135.94	110.33
1	36	26	ALA	N-CA-CB	15.25	135.94	110.33
1	4I	26	ALA	N-CA-CB	15.25	135.94	110.33
1	4Q	26	ALA	N-CA-CB	15.25	135.94	110.33
1	5Y	26	ALA	N-CA-CB	15.25	135.94	110.33
1	6E	26	ALA	N-CA-CB	15.25	135.94	110.33
1	6Y	26	ALA	N-CA-CB	15.25	135.94	110.33
1	7I	26	ALA	N-CA-CB	15.25	135.94	110.33
1	7U	26	ALA	N-CA-CB	15.25	135.94	110.33
2	1N	57	LYS	CB-CA-C	15.24	138.60	110.70
2	2J	57	LYS	CB-CA-C	15.24	138.60	110.70
2	3B	57	LYS	CB-CA-C	15.24	138.60	110.70
2	3J	57	LYS	CB-CA-C	15.24	138.60	110.70
2	33	57	LYS	CB-CA-C	15.24	138.60	110.70
2	4F	57	LYS	CB-CA-C	15.24	138.60	110.70
2	4Z	57	LYS	CB-CA-C	15.24	138.60	110.70
2	5V	57	LYS	CB-CA-C	15.24	138.60	110.70
2	6N	57	LYS	CB-CA-C	15.24	138.60	110.70
2	6V	57	LYS	CB-CA-C	15.24	138.60	110.70
2	7F	57	LYS	CB-CA-C	15.24	138.60	110.70
2	7R	57	LYS	CB-CA-C	15.24	138.60	110.70
2	1B	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	1F	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	1J	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	1N	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2F	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	2J	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	2N	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	23	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	27	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	3B	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	3F	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	3J	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	3N	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	33	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	37	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	4B	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	4F	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	4J	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	4N	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	4R	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	4V	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	4Z	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	5R	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	5V	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	5Z	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	6F	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	6J	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	6N	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	6R	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	6V	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	6Z	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	7F	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	7J	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	7N	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	7R	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
2	7V	60	ARG	NE-CZ-NH1	-15.24	106.26	121.50
1	1A	26	ALA	N-CA-CB	15.23	135.92	110.33
1	1I	26	ALA	N-CA-CB	15.23	135.92	110.33
1	1M	26	ALA	N-CA-CB	15.23	135.92	110.33
2	1R	57	LYS	CB-CA-C	15.23	138.57	110.70
2	1V	57	LYS	CB-CA-C	15.23	138.57	110.70
2	1Z	57	LYS	CB-CA-C	15.23	138.57	110.70
1	2E	26	ALA	N-CA-CB	15.23	135.92	110.33
1	2I	26	ALA	N-CA-CB	15.23	135.92	110.33
2	2R	57	LYS	CB-CA-C	15.23	138.57	110.70
2	2V	57	LYS	CB-CA-C	15.23	138.57	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2Z	57	LYS	CB-CA-C	15.23	138.57	110.70
1	26	26	ALA	N-CA-CB	15.23	135.92	110.33
1	3A	26	ALA	N-CA-CB	15.23	135.92	110.33
1	3E	26	ALA	N-CA-CB	15.23	135.92	110.33
1	3I	26	ALA	N-CA-CB	15.23	135.92	110.33
1	32	26	ALA	N-CA-CB	15.23	135.92	110.33
1	4A	26	ALA	N-CA-CB	15.23	135.92	110.33
1	4E	26	ALA	N-CA-CB	15.23	135.92	110.33
1	4M	26	ALA	N-CA-CB	15.23	135.92	110.33
1	4U	26	ALA	N-CA-CB	15.23	135.92	110.33
1	4Y	26	ALA	N-CA-CB	15.23	135.92	110.33
2	43	57	LYS	CB-CA-C	15.23	138.57	110.70
2	47	57	LYS	CB-CA-C	15.23	138.57	110.70
2	5B	57	LYS	CB-CA-C	15.23	138.57	110.70
1	5Q	26	ALA	N-CA-CB	15.23	135.92	110.33
1	5U	26	ALA	N-CA-CB	15.23	135.92	110.33
2	53	57	LYS	CB-CA-C	15.23	138.57	110.70
2	57	57	LYS	CB-CA-C	15.23	138.57	110.70
2	6B	57	LYS	CB-CA-C	15.23	138.57	110.70
1	6I	26	ALA	N-CA-CB	15.23	135.92	110.33
1	6M	26	ALA	N-CA-CB	15.23	135.92	110.33
1	6Q	26	ALA	N-CA-CB	15.23	135.92	110.33
1	6U	26	ALA	N-CA-CB	15.23	135.92	110.33
1	7E	26	ALA	N-CA-CB	15.23	135.92	110.33
1	7M	26	ALA	N-CA-CB	15.23	135.92	110.33
1	7Q	26	ALA	N-CA-CB	15.23	135.92	110.33
3	1S	2	ILE	CB-CA-C	15.23	127.67	111.23
3	1W	2	ILE	CB-CA-C	15.23	127.67	111.23
3	10	2	ILE	CB-CA-C	15.23	127.67	111.23
1	12	26	ALA	N-CA-CB	15.23	135.91	110.33
1	16	26	ALA	N-CA-CB	15.23	135.91	110.33
1	2A	26	ALA	N-CA-CB	15.23	135.91	110.33
3	2S	2	ILE	CB-CA-C	15.23	127.67	111.23
3	2W	2	ILE	CB-CA-C	15.23	127.67	111.23
3	20	2	ILE	CB-CA-C	15.23	127.67	111.23
1	3Q	26	ALA	N-CA-CB	15.23	135.91	110.33
1	3U	26	ALA	N-CA-CB	15.23	135.91	110.33
1	3Y	26	ALA	N-CA-CB	15.23	135.91	110.33
3	44	2	ILE	CB-CA-C	15.23	127.67	111.23
3	48	2	ILE	CB-CA-C	15.23	127.67	111.23
3	5C	2	ILE	CB-CA-C	15.23	127.67	111.23
1	5E	26	ALA	N-CA-CB	15.23	135.91	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5I	26	ALA	N-CA-CB	15.23	135.91	110.33
1	5M	26	ALA	N-CA-CB	15.23	135.91	110.33
3	54	2	ILE	CB-CA-C	15.23	127.67	111.23
3	58	2	ILE	CB-CA-C	15.23	127.67	111.23
3	6C	2	ILE	CB-CA-C	15.23	127.67	111.23
1	62	26	ALA	N-CA-CB	15.23	135.91	110.33
1	66	26	ALA	N-CA-CB	15.23	135.91	110.33
1	7A	26	ALA	N-CA-CB	15.23	135.91	110.33
2	1B	57	LYS	CB-CA-C	15.22	138.56	110.70
2	1J	57	LYS	CB-CA-C	15.22	138.56	110.70
2	2F	57	LYS	CB-CA-C	15.22	138.56	110.70
2	27	57	LYS	CB-CA-C	15.22	138.56	110.70
2	3F	57	LYS	CB-CA-C	15.22	138.56	110.70
2	4B	57	LYS	CB-CA-C	15.22	138.56	110.70
2	4N	57	LYS	CB-CA-C	15.22	138.56	110.70
2	4V	57	LYS	CB-CA-C	15.22	138.56	110.70
2	5R	57	LYS	CB-CA-C	15.22	138.56	110.70
2	6J	57	LYS	CB-CA-C	15.22	138.56	110.70
2	6R	57	LYS	CB-CA-C	15.22	138.56	110.70
2	7N	57	LYS	CB-CA-C	15.22	138.56	110.70
3	1O	2	ILE	CB-CA-C	15.22	127.67	111.23
3	2K	2	ILE	CB-CA-C	15.22	127.67	111.23
3	3C	2	ILE	CB-CA-C	15.22	127.67	111.23
3	3K	2	ILE	CB-CA-C	15.22	127.67	111.23
3	34	2	ILE	CB-CA-C	15.22	127.67	111.23
3	4G	2	ILE	CB-CA-C	15.22	127.67	111.23
3	40	2	ILE	CB-CA-C	15.22	127.67	111.23
3	5W	2	ILE	CB-CA-C	15.22	127.67	111.23
3	6O	2	ILE	CB-CA-C	15.22	127.67	111.23
3	6W	2	ILE	CB-CA-C	15.22	127.67	111.23
3	7G	2	ILE	CB-CA-C	15.22	127.67	111.23
3	7S	2	ILE	CB-CA-C	15.22	127.67	111.23
2	1F	57	LYS	CB-CA-C	15.22	138.55	110.70
2	2N	57	LYS	CB-CA-C	15.22	138.55	110.70
2	23	57	LYS	CB-CA-C	15.22	138.55	110.70
2	3N	57	LYS	CB-CA-C	15.22	138.55	110.70
2	37	57	LYS	CB-CA-C	15.22	138.55	110.70
2	4J	57	LYS	CB-CA-C	15.22	138.55	110.70
2	4R	57	LYS	CB-CA-C	15.22	138.55	110.70
2	5Z	57	LYS	CB-CA-C	15.22	138.55	110.70
2	6F	57	LYS	CB-CA-C	15.22	138.55	110.70
2	6Z	57	LYS	CB-CA-C	15.22	138.55	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	57	LYS	CB-CA-C	15.22	138.55	110.70
2	7V	57	LYS	CB-CA-C	15.22	138.55	110.70
3	1G	2	ILE	CB-CA-C	15.21	127.66	111.23
3	2O	2	ILE	CB-CA-C	15.21	127.66	111.23
3	24	2	ILE	CB-CA-C	15.21	127.66	111.23
3	3O	2	ILE	CB-CA-C	15.21	127.66	111.23
3	38	2	ILE	CB-CA-C	15.21	127.66	111.23
3	4K	2	ILE	CB-CA-C	15.21	127.66	111.23
3	4S	2	ILE	CB-CA-C	15.21	127.66	111.23
3	50	2	ILE	CB-CA-C	15.21	127.66	111.23
3	6G	2	ILE	CB-CA-C	15.21	127.66	111.23
3	60	2	ILE	CB-CA-C	15.21	127.66	111.23
3	7K	2	ILE	CB-CA-C	15.21	127.66	111.23
3	7W	2	ILE	CB-CA-C	15.21	127.66	111.23
2	1F	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	2N	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	23	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	3N	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	37	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	4J	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	4R	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	5Z	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	6F	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	6Z	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	7J	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	7V	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	1B	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	1J	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	2F	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	27	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	3F	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	4B	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	4N	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	4V	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	5R	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	6J	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	6R	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
2	7N	35	PHE	CG-CD2-CE2	-15.21	94.84	120.70
3	1C	2	ILE	CB-CA-C	15.20	127.64	111.23
3	1K	2	ILE	CB-CA-C	15.20	127.64	111.23
3	2G	2	ILE	CB-CA-C	15.20	127.64	111.23
3	28	2	ILE	CB-CA-C	15.20	127.64	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	3G	2	ILE	CB-CA-C	15.20	127.64	111.23
3	4C	2	ILE	CB-CA-C	15.20	127.64	111.23
3	4O	2	ILE	CB-CA-C	15.20	127.64	111.23
3	4W	2	ILE	CB-CA-C	15.20	127.64	111.23
3	5S	2	ILE	CB-CA-C	15.20	127.64	111.23
3	6K	2	ILE	CB-CA-C	15.20	127.64	111.23
3	6S	2	ILE	CB-CA-C	15.20	127.64	111.23
3	7O	2	ILE	CB-CA-C	15.20	127.64	111.23
2	13	35	PHE	CG-CD2-CE2	-15.19	94.88	120.70
2	17	35	PHE	CG-CD2-CE2	-15.19	94.88	120.70
2	2B	35	PHE	CG-CD2-CE2	-15.19	94.88	120.70
2	3R	35	PHE	CG-CD2-CE2	-15.19	94.88	120.70
2	3V	35	PHE	CG-CD2-CE2	-15.19	94.88	120.70
2	3Z	35	PHE	CG-CD2-CE2	-15.19	94.88	120.70
2	5F	35	PHE	CG-CD2-CE2	-15.19	94.88	120.70
2	5J	35	PHE	CG-CD2-CE2	-15.19	94.88	120.70
2	5N	35	PHE	CG-CD2-CE2	-15.19	94.88	120.70
2	63	35	PHE	CG-CD2-CE2	-15.19	94.88	120.70
2	67	35	PHE	CG-CD2-CE2	-15.19	94.88	120.70
2	7B	35	PHE	CG-CD2-CE2	-15.19	94.88	120.70
3	14	2	ILE	CB-CA-C	15.19	127.63	111.23
3	18	2	ILE	CB-CA-C	15.19	127.63	111.23
3	2C	2	ILE	CB-CA-C	15.19	127.63	111.23
3	3S	2	ILE	CB-CA-C	15.19	127.63	111.23
3	3W	2	ILE	CB-CA-C	15.19	127.63	111.23
3	30	2	ILE	CB-CA-C	15.19	127.63	111.23
3	5G	2	ILE	CB-CA-C	15.19	127.63	111.23
3	5K	2	ILE	CB-CA-C	15.19	127.63	111.23
3	5O	2	ILE	CB-CA-C	15.19	127.63	111.23
3	64	2	ILE	CB-CA-C	15.19	127.63	111.23
3	68	2	ILE	CB-CA-C	15.19	127.63	111.23
3	7C	2	ILE	CB-CA-C	15.19	127.63	111.23
2	1R	35	PHE	CG-CD2-CE2	-15.18	94.89	120.70
2	1V	35	PHE	CG-CD2-CE2	-15.18	94.89	120.70
2	1Z	35	PHE	CG-CD2-CE2	-15.18	94.89	120.70
2	2R	35	PHE	CG-CD2-CE2	-15.18	94.89	120.70
2	2V	35	PHE	CG-CD2-CE2	-15.18	94.89	120.70
2	2Z	35	PHE	CG-CD2-CE2	-15.18	94.89	120.70
2	43	35	PHE	CG-CD2-CE2	-15.18	94.89	120.70
2	47	35	PHE	CG-CD2-CE2	-15.18	94.89	120.70
2	5B	35	PHE	CG-CD2-CE2	-15.18	94.89	120.70
2	53	35	PHE	CG-CD2-CE2	-15.18	94.89	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	35	PHE	CG-CD2-CE2	-15.18	94.89	120.70
2	6B	35	PHE	CG-CD2-CE2	-15.18	94.89	120.70
2	1F	32	SER	N-CA-CB	-15.18	90.89	110.17
2	2N	32	SER	N-CA-CB	-15.18	90.89	110.17
2	23	32	SER	N-CA-CB	-15.18	90.89	110.17
2	3N	32	SER	N-CA-CB	-15.18	90.89	110.17
2	37	32	SER	N-CA-CB	-15.18	90.89	110.17
2	4J	32	SER	N-CA-CB	-15.18	90.89	110.17
2	4R	32	SER	N-CA-CB	-15.18	90.89	110.17
2	5Z	32	SER	N-CA-CB	-15.18	90.89	110.17
2	6F	32	SER	N-CA-CB	-15.18	90.89	110.17
2	6Z	32	SER	N-CA-CB	-15.18	90.89	110.17
2	7J	32	SER	N-CA-CB	-15.18	90.89	110.17
2	7V	32	SER	N-CA-CB	-15.18	90.89	110.17
2	1N	32	SER	N-CA-CB	-15.18	90.90	110.17
2	1N	35	PHE	CG-CD2-CE2	-15.18	94.90	120.70
2	2J	32	SER	N-CA-CB	-15.18	90.90	110.17
2	2J	35	PHE	CG-CD2-CE2	-15.18	94.90	120.70
2	3B	32	SER	N-CA-CB	-15.18	90.90	110.17
2	3B	35	PHE	CG-CD2-CE2	-15.18	94.90	120.70
2	3J	32	SER	N-CA-CB	-15.18	90.90	110.17
2	3J	35	PHE	CG-CD2-CE2	-15.18	94.90	120.70
2	33	32	SER	N-CA-CB	-15.18	90.90	110.17
2	33	35	PHE	CG-CD2-CE2	-15.18	94.90	120.70
2	4F	32	SER	N-CA-CB	-15.18	90.90	110.17
2	4F	35	PHE	CG-CD2-CE2	-15.18	94.90	120.70
2	4Z	32	SER	N-CA-CB	-15.18	90.90	110.17
2	4Z	35	PHE	CG-CD2-CE2	-15.18	94.90	120.70
2	5V	32	SER	N-CA-CB	-15.18	90.90	110.17
2	5V	35	PHE	CG-CD2-CE2	-15.18	94.90	120.70
2	6N	32	SER	N-CA-CB	-15.18	90.90	110.17
2	6N	35	PHE	CG-CD2-CE2	-15.18	94.90	120.70
2	6V	32	SER	N-CA-CB	-15.18	90.90	110.17
2	6V	35	PHE	CG-CD2-CE2	-15.18	94.90	120.70
2	7F	32	SER	N-CA-CB	-15.18	90.90	110.17
2	7F	35	PHE	CG-CD2-CE2	-15.18	94.90	120.70
2	7R	32	SER	N-CA-CB	-15.18	90.90	110.17
2	7R	35	PHE	CG-CD2-CE2	-15.18	94.90	120.70
2	1R	70	TRP	CB-CG-CD2	-15.17	105.56	126.80
2	1V	70	TRP	CB-CG-CD2	-15.17	105.56	126.80
2	1Z	70	TRP	CB-CG-CD2	-15.17	105.56	126.80
2	2R	70	TRP	CB-CG-CD2	-15.17	105.56	126.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	70	TRP	CB-CG-CD2	-15.17	105.56	126.80
2	2Z	70	TRP	CB-CG-CD2	-15.17	105.56	126.80
2	43	70	TRP	CB-CG-CD2	-15.17	105.56	126.80
2	47	70	TRP	CB-CG-CD2	-15.17	105.56	126.80
2	5B	70	TRP	CB-CG-CD2	-15.17	105.56	126.80
2	53	70	TRP	CB-CG-CD2	-15.17	105.56	126.80
2	57	70	TRP	CB-CG-CD2	-15.17	105.56	126.80
2	6B	70	TRP	CB-CG-CD2	-15.17	105.56	126.80
2	1B	32	SER	N-CA-CB	-15.17	90.90	110.17
2	1J	32	SER	N-CA-CB	-15.17	90.90	110.17
2	13	32	SER	N-CA-CB	-15.17	90.91	110.17
2	17	32	SER	N-CA-CB	-15.17	90.91	110.17
2	2B	32	SER	N-CA-CB	-15.17	90.91	110.17
2	2F	32	SER	N-CA-CB	-15.17	90.90	110.17
2	27	32	SER	N-CA-CB	-15.17	90.90	110.17
2	3F	32	SER	N-CA-CB	-15.17	90.90	110.17
2	3R	32	SER	N-CA-CB	-15.17	90.91	110.17
2	3V	32	SER	N-CA-CB	-15.17	90.91	110.17
2	3Z	32	SER	N-CA-CB	-15.17	90.91	110.17
2	4B	32	SER	N-CA-CB	-15.17	90.90	110.17
2	4N	32	SER	N-CA-CB	-15.17	90.90	110.17
2	4V	32	SER	N-CA-CB	-15.17	90.90	110.17
2	5F	32	SER	N-CA-CB	-15.17	90.91	110.17
2	5J	32	SER	N-CA-CB	-15.17	90.91	110.17
2	5N	32	SER	N-CA-CB	-15.17	90.91	110.17
2	5R	32	SER	N-CA-CB	-15.17	90.90	110.17
2	6J	32	SER	N-CA-CB	-15.17	90.90	110.17
2	6R	32	SER	N-CA-CB	-15.17	90.90	110.17
2	63	32	SER	N-CA-CB	-15.17	90.91	110.17
2	67	32	SER	N-CA-CB	-15.17	90.91	110.17
2	7B	32	SER	N-CA-CB	-15.17	90.91	110.17
2	7N	32	SER	N-CA-CB	-15.17	90.90	110.17
2	13	70	TRP	CB-CG-CD2	-15.16	105.57	126.80
2	17	70	TRP	CB-CG-CD2	-15.16	105.57	126.80
2	2B	70	TRP	CB-CG-CD2	-15.16	105.57	126.80
2	3R	70	TRP	CB-CG-CD2	-15.16	105.57	126.80
2	3V	70	TRP	CB-CG-CD2	-15.16	105.57	126.80
2	3Z	70	TRP	CB-CG-CD2	-15.16	105.57	126.80
2	5F	70	TRP	CB-CG-CD2	-15.16	105.57	126.80
2	5J	70	TRP	CB-CG-CD2	-15.16	105.57	126.80
2	5N	70	TRP	CB-CG-CD2	-15.16	105.57	126.80
2	63	70	TRP	CB-CG-CD2	-15.16	105.57	126.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	70	TRP	CB-CG-CD2	-15.16	105.57	126.80
2	7B	70	TRP	CB-CG-CD2	-15.16	105.57	126.80
2	1B	70	TRP	CB-CG-CD2	-15.16	105.58	126.80
2	1J	70	TRP	CB-CG-CD2	-15.16	105.58	126.80
2	1R	32	SER	N-CA-CB	-15.16	90.92	110.17
2	1V	32	SER	N-CA-CB	-15.16	90.92	110.17
2	1Z	32	SER	N-CA-CB	-15.16	90.92	110.17
2	2F	70	TRP	CB-CG-CD2	-15.16	105.58	126.80
2	2R	32	SER	N-CA-CB	-15.16	90.92	110.17
2	2V	32	SER	N-CA-CB	-15.16	90.92	110.17
2	2Z	32	SER	N-CA-CB	-15.16	90.92	110.17
2	27	70	TRP	CB-CG-CD2	-15.16	105.58	126.80
2	3F	70	TRP	CB-CG-CD2	-15.16	105.58	126.80
2	4B	70	TRP	CB-CG-CD2	-15.16	105.58	126.80
2	4N	70	TRP	CB-CG-CD2	-15.16	105.58	126.80
2	4V	70	TRP	CB-CG-CD2	-15.16	105.58	126.80
2	43	32	SER	N-CA-CB	-15.16	90.92	110.17
2	47	32	SER	N-CA-CB	-15.16	90.92	110.17
2	5B	32	SER	N-CA-CB	-15.16	90.92	110.17
2	5R	70	TRP	CB-CG-CD2	-15.16	105.58	126.80
2	53	32	SER	N-CA-CB	-15.16	90.92	110.17
2	57	32	SER	N-CA-CB	-15.16	90.92	110.17
2	6B	32	SER	N-CA-CB	-15.16	90.92	110.17
2	6J	70	TRP	CB-CG-CD2	-15.16	105.58	126.80
2	6R	70	TRP	CB-CG-CD2	-15.16	105.58	126.80
2	7N	70	TRP	CB-CG-CD2	-15.16	105.58	126.80
2	1F	70	TRP	CB-CG-CD2	-15.15	105.59	126.80
2	2N	70	TRP	CB-CG-CD2	-15.15	105.59	126.80
2	23	70	TRP	CB-CG-CD2	-15.15	105.59	126.80
2	3N	70	TRP	CB-CG-CD2	-15.15	105.59	126.80
2	37	70	TRP	CB-CG-CD2	-15.15	105.59	126.80
2	4J	70	TRP	CB-CG-CD2	-15.15	105.59	126.80
2	4R	70	TRP	CB-CG-CD2	-15.15	105.59	126.80
2	5Z	70	TRP	CB-CG-CD2	-15.15	105.59	126.80
2	6F	70	TRP	CB-CG-CD2	-15.15	105.59	126.80
2	6Z	70	TRP	CB-CG-CD2	-15.15	105.59	126.80
2	7J	70	TRP	CB-CG-CD2	-15.15	105.59	126.80
2	7V	70	TRP	CB-CG-CD2	-15.15	105.59	126.80
2	1N	70	TRP	CB-CG-CD2	-15.12	105.64	126.80
2	2J	70	TRP	CB-CG-CD2	-15.12	105.64	126.80
2	3B	70	TRP	CB-CG-CD2	-15.12	105.64	126.80
2	3J	70	TRP	CB-CG-CD2	-15.12	105.64	126.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	70	TRP	CB-CG-CD2	-15.12	105.64	126.80
2	4F	70	TRP	CB-CG-CD2	-15.12	105.64	126.80
2	4Z	70	TRP	CB-CG-CD2	-15.12	105.64	126.80
2	5V	70	TRP	CB-CG-CD2	-15.12	105.64	126.80
2	6N	70	TRP	CB-CG-CD2	-15.12	105.64	126.80
2	6V	70	TRP	CB-CG-CD2	-15.12	105.64	126.80
2	7F	70	TRP	CB-CG-CD2	-15.12	105.64	126.80
2	7R	70	TRP	CB-CG-CD2	-15.12	105.64	126.80
2	1F	68	PRO	CA-N-CD	-15.11	90.84	112.00
2	2N	68	PRO	CA-N-CD	-15.11	90.84	112.00
2	23	68	PRO	CA-N-CD	-15.11	90.84	112.00
2	3N	68	PRO	CA-N-CD	-15.11	90.84	112.00
2	37	68	PRO	CA-N-CD	-15.11	90.84	112.00
2	4J	68	PRO	CA-N-CD	-15.11	90.84	112.00
2	4R	68	PRO	CA-N-CD	-15.11	90.84	112.00
2	5Z	68	PRO	CA-N-CD	-15.11	90.84	112.00
2	6F	68	PRO	CA-N-CD	-15.11	90.84	112.00
2	6Z	68	PRO	CA-N-CD	-15.11	90.84	112.00
2	7J	68	PRO	CA-N-CD	-15.11	90.84	112.00
2	7V	68	PRO	CA-N-CD	-15.11	90.84	112.00
2	1N	68	PRO	CA-N-CD	-15.09	90.87	112.00
2	2J	68	PRO	CA-N-CD	-15.09	90.87	112.00
2	3B	68	PRO	CA-N-CD	-15.09	90.87	112.00
2	3J	68	PRO	CA-N-CD	-15.09	90.87	112.00
2	33	68	PRO	CA-N-CD	-15.09	90.87	112.00
2	4F	68	PRO	CA-N-CD	-15.09	90.87	112.00
2	4Z	68	PRO	CA-N-CD	-15.09	90.87	112.00
2	5V	68	PRO	CA-N-CD	-15.09	90.87	112.00
2	6N	68	PRO	CA-N-CD	-15.09	90.87	112.00
2	6V	68	PRO	CA-N-CD	-15.09	90.87	112.00
2	7F	68	PRO	CA-N-CD	-15.09	90.87	112.00
2	7R	68	PRO	CA-N-CD	-15.09	90.87	112.00
2	1B	68	PRO	CA-N-CD	-15.08	90.89	112.00
1	1E	80	PHE	O-C-N	15.08	144.44	122.28
2	1J	68	PRO	CA-N-CD	-15.08	90.89	112.00
2	2F	68	PRO	CA-N-CD	-15.08	90.89	112.00
1	2M	80	PHE	O-C-N	15.08	144.44	122.28
1	22	80	PHE	O-C-N	15.08	144.44	122.28
2	27	68	PRO	CA-N-CD	-15.08	90.89	112.00
2	3F	68	PRO	CA-N-CD	-15.08	90.89	112.00
1	3M	80	PHE	O-C-N	15.08	144.44	122.28
1	36	80	PHE	O-C-N	15.08	144.44	122.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	68	PRO	CA-N-CD	-15.08	90.89	112.00
1	4I	80	PHE	O-C-N	15.08	144.44	122.28
2	4N	68	PRO	CA-N-CD	-15.08	90.89	112.00
1	4Q	80	PHE	O-C-N	15.08	144.44	122.28
2	4V	68	PRO	CA-N-CD	-15.08	90.89	112.00
2	5R	68	PRO	CA-N-CD	-15.08	90.89	112.00
1	5Y	80	PHE	O-C-N	15.08	144.44	122.28
1	6E	80	PHE	O-C-N	15.08	144.44	122.28
2	6J	68	PRO	CA-N-CD	-15.08	90.89	112.00
2	6R	68	PRO	CA-N-CD	-15.08	90.89	112.00
1	6Y	80	PHE	O-C-N	15.08	144.44	122.28
1	7I	80	PHE	O-C-N	15.08	144.44	122.28
2	7N	68	PRO	CA-N-CD	-15.08	90.89	112.00
1	7U	80	PHE	O-C-N	15.08	144.44	122.28
2	1R	68	PRO	CA-N-CD	-15.07	90.89	112.00
2	1V	68	PRO	CA-N-CD	-15.07	90.89	112.00
2	1Z	68	PRO	CA-N-CD	-15.07	90.89	112.00
2	2R	68	PRO	CA-N-CD	-15.07	90.89	112.00
2	2V	68	PRO	CA-N-CD	-15.07	90.89	112.00
2	2Z	68	PRO	CA-N-CD	-15.07	90.89	112.00
2	43	68	PRO	CA-N-CD	-15.07	90.89	112.00
2	47	68	PRO	CA-N-CD	-15.07	90.89	112.00
2	5B	68	PRO	CA-N-CD	-15.07	90.89	112.00
2	53	68	PRO	CA-N-CD	-15.07	90.89	112.00
2	57	68	PRO	CA-N-CD	-15.07	90.89	112.00
2	6B	68	PRO	CA-N-CD	-15.07	90.89	112.00
2	13	15	VAL	N-CA-C	-15.07	85.96	108.87
2	13	68	PRO	CA-N-CD	-15.07	90.90	112.00
2	17	15	VAL	N-CA-C	-15.07	85.96	108.87
2	17	68	PRO	CA-N-CD	-15.07	90.90	112.00
2	2B	15	VAL	N-CA-C	-15.07	85.96	108.87
2	2B	68	PRO	CA-N-CD	-15.07	90.90	112.00
2	3R	15	VAL	N-CA-C	-15.07	85.96	108.87
2	3R	68	PRO	CA-N-CD	-15.07	90.90	112.00
2	3V	15	VAL	N-CA-C	-15.07	85.96	108.87
2	3V	68	PRO	CA-N-CD	-15.07	90.90	112.00
2	3Z	15	VAL	N-CA-C	-15.07	85.96	108.87
2	3Z	68	PRO	CA-N-CD	-15.07	90.90	112.00
2	5F	15	VAL	N-CA-C	-15.07	85.96	108.87
2	5F	68	PRO	CA-N-CD	-15.07	90.90	112.00
2	5J	15	VAL	N-CA-C	-15.07	85.96	108.87
2	5J	68	PRO	CA-N-CD	-15.07	90.90	112.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5N	15	VAL	N-CA-C	-15.07	85.96	108.87
2	5N	68	PRO	CA-N-CD	-15.07	90.90	112.00
2	63	15	VAL	N-CA-C	-15.07	85.96	108.87
2	63	68	PRO	CA-N-CD	-15.07	90.90	112.00
2	67	15	VAL	N-CA-C	-15.07	85.96	108.87
2	67	68	PRO	CA-N-CD	-15.07	90.90	112.00
2	7B	15	VAL	N-CA-C	-15.07	85.96	108.87
2	7B	68	PRO	CA-N-CD	-15.07	90.90	112.00
2	1F	15	VAL	N-CA-C	-15.07	85.97	108.87
2	2N	15	VAL	N-CA-C	-15.07	85.97	108.87
2	23	15	VAL	N-CA-C	-15.07	85.97	108.87
2	3N	15	VAL	N-CA-C	-15.07	85.97	108.87
2	37	15	VAL	N-CA-C	-15.07	85.97	108.87
2	4J	15	VAL	N-CA-C	-15.07	85.97	108.87
2	4R	15	VAL	N-CA-C	-15.07	85.97	108.87
2	5Z	15	VAL	N-CA-C	-15.07	85.97	108.87
2	6F	15	VAL	N-CA-C	-15.07	85.97	108.87
2	6Z	15	VAL	N-CA-C	-15.07	85.97	108.87
2	7J	15	VAL	N-CA-C	-15.07	85.97	108.87
2	7V	15	VAL	N-CA-C	-15.07	85.97	108.87
2	1N	25	SER	O-C-N	-15.06	102.56	122.59
2	2J	25	SER	O-C-N	-15.06	102.56	122.59
2	3B	25	SER	O-C-N	-15.06	102.56	122.59
2	3J	25	SER	O-C-N	-15.06	102.56	122.59
2	33	25	SER	O-C-N	-15.06	102.56	122.59
2	4F	25	SER	O-C-N	-15.06	102.56	122.59
2	4Z	25	SER	O-C-N	-15.06	102.56	122.59
2	5V	25	SER	O-C-N	-15.06	102.56	122.59
2	6N	25	SER	O-C-N	-15.06	102.56	122.59
2	6V	25	SER	O-C-N	-15.06	102.56	122.59
2	7F	25	SER	O-C-N	-15.06	102.56	122.59
2	7R	25	SER	O-C-N	-15.06	102.56	122.59
1	12	80	PHE	O-C-N	15.06	144.41	122.28
1	16	80	PHE	O-C-N	15.06	144.41	122.28
1	2A	80	PHE	O-C-N	15.06	144.41	122.28
1	3Q	80	PHE	O-C-N	15.06	144.41	122.28
1	3U	80	PHE	O-C-N	15.06	144.41	122.28
1	3Y	80	PHE	O-C-N	15.06	144.41	122.28
1	5E	80	PHE	O-C-N	15.06	144.41	122.28
1	5I	80	PHE	O-C-N	15.06	144.41	122.28
1	5M	80	PHE	O-C-N	15.06	144.41	122.28
1	62	80	PHE	O-C-N	15.06	144.41	122.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	80	PHE	O-C-N	15.06	144.41	122.28
1	7A	80	PHE	O-C-N	15.06	144.41	122.28
2	1N	15	VAL	N-CA-C	-15.05	85.99	108.87
2	13	28	THR	O-C-N	15.05	140.40	122.34
2	17	28	THR	O-C-N	15.05	140.40	122.34
2	2B	28	THR	O-C-N	15.05	140.40	122.34
2	2J	15	VAL	N-CA-C	-15.05	85.99	108.87
2	3B	15	VAL	N-CA-C	-15.05	85.99	108.87
2	3J	15	VAL	N-CA-C	-15.05	85.99	108.87
2	3R	28	THR	O-C-N	15.05	140.40	122.34
2	3V	28	THR	O-C-N	15.05	140.40	122.34
2	3Z	28	THR	O-C-N	15.05	140.40	122.34
2	33	15	VAL	N-CA-C	-15.05	85.99	108.87
2	4F	15	VAL	N-CA-C	-15.05	85.99	108.87
2	4Z	15	VAL	N-CA-C	-15.05	85.99	108.87
2	5F	28	THR	O-C-N	15.05	140.40	122.34
2	5J	28	THR	O-C-N	15.05	140.40	122.34
2	5N	28	THR	O-C-N	15.05	140.40	122.34
2	5V	15	VAL	N-CA-C	-15.05	85.99	108.87
2	6N	15	VAL	N-CA-C	-15.05	85.99	108.87
2	6V	15	VAL	N-CA-C	-15.05	85.99	108.87
2	63	28	THR	O-C-N	15.05	140.40	122.34
2	67	28	THR	O-C-N	15.05	140.40	122.34
2	7B	28	THR	O-C-N	15.05	140.40	122.34
2	7F	15	VAL	N-CA-C	-15.05	85.99	108.87
2	7R	15	VAL	N-CA-C	-15.05	85.99	108.87
2	1N	42	HIS	N-CA-CB	15.05	131.47	110.10
2	2J	42	HIS	N-CA-CB	15.05	131.47	110.10
2	3B	42	HIS	N-CA-CB	15.05	131.47	110.10
2	3J	42	HIS	N-CA-CB	15.05	131.47	110.10
2	33	42	HIS	N-CA-CB	15.05	131.47	110.10
2	4F	42	HIS	N-CA-CB	15.05	131.47	110.10
2	4Z	42	HIS	N-CA-CB	15.05	131.47	110.10
2	5V	42	HIS	N-CA-CB	15.05	131.47	110.10
2	6N	42	HIS	N-CA-CB	15.05	131.47	110.10
2	6V	42	HIS	N-CA-CB	15.05	131.47	110.10
2	7F	42	HIS	N-CA-CB	15.05	131.47	110.10
2	7R	42	HIS	N-CA-CB	15.05	131.47	110.10
2	1R	25	SER	O-C-N	-15.04	102.58	122.59
2	1V	25	SER	O-C-N	-15.04	102.58	122.59
2	1Z	25	SER	O-C-N	-15.04	102.58	122.59
2	2R	25	SER	O-C-N	-15.04	102.58	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	25	SER	O-C-N	-15.04	102.58	122.59
2	2Z	25	SER	O-C-N	-15.04	102.58	122.59
2	43	25	SER	O-C-N	-15.04	102.58	122.59
2	47	25	SER	O-C-N	-15.04	102.58	122.59
2	5B	25	SER	O-C-N	-15.04	102.58	122.59
2	53	25	SER	O-C-N	-15.04	102.58	122.59
2	57	25	SER	O-C-N	-15.04	102.58	122.59
2	6B	25	SER	O-C-N	-15.04	102.58	122.59
1	1A	80	PHE	O-C-N	15.04	144.39	122.28
2	1B	15	VAL	N-CA-C	-15.04	86.01	108.87
2	1B	25	SER	O-C-N	-15.04	102.59	122.59
1	1I	80	PHE	O-C-N	15.04	144.39	122.28
2	1J	15	VAL	N-CA-C	-15.04	86.01	108.87
2	1J	25	SER	O-C-N	-15.04	102.59	122.59
1	2E	80	PHE	O-C-N	15.04	144.39	122.28
2	2F	15	VAL	N-CA-C	-15.04	86.01	108.87
2	2F	25	SER	O-C-N	-15.04	102.59	122.59
1	26	80	PHE	O-C-N	15.04	144.39	122.28
2	27	15	VAL	N-CA-C	-15.04	86.01	108.87
2	27	25	SER	O-C-N	-15.04	102.59	122.59
1	3E	80	PHE	O-C-N	15.04	144.39	122.28
2	3F	15	VAL	N-CA-C	-15.04	86.01	108.87
2	3F	25	SER	O-C-N	-15.04	102.59	122.59
1	4A	80	PHE	O-C-N	15.04	144.39	122.28
2	4B	15	VAL	N-CA-C	-15.04	86.01	108.87
2	4B	25	SER	O-C-N	-15.04	102.59	122.59
1	4M	80	PHE	O-C-N	15.04	144.39	122.28
2	4N	15	VAL	N-CA-C	-15.04	86.01	108.87
2	4N	25	SER	O-C-N	-15.04	102.59	122.59
1	4U	80	PHE	O-C-N	15.04	144.39	122.28
2	4V	15	VAL	N-CA-C	-15.04	86.01	108.87
2	4V	25	SER	O-C-N	-15.04	102.59	122.59
1	5Q	80	PHE	O-C-N	15.04	144.39	122.28
2	5R	15	VAL	N-CA-C	-15.04	86.01	108.87
2	5R	25	SER	O-C-N	-15.04	102.59	122.59
1	6I	80	PHE	O-C-N	15.04	144.39	122.28
2	6J	15	VAL	N-CA-C	-15.04	86.01	108.87
2	6J	25	SER	O-C-N	-15.04	102.59	122.59
1	6Q	80	PHE	O-C-N	15.04	144.39	122.28
2	6R	15	VAL	N-CA-C	-15.04	86.01	108.87
2	6R	25	SER	O-C-N	-15.04	102.59	122.59
1	7M	80	PHE	O-C-N	15.04	144.39	122.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	15	VAL	N-CA-C	-15.04	86.01	108.87
2	7N	25	SER	O-C-N	-15.04	102.59	122.59
2	1R	15	VAL	N-CA-C	-15.04	86.01	108.87
2	1V	15	VAL	N-CA-C	-15.04	86.01	108.87
2	1Z	15	VAL	N-CA-C	-15.04	86.01	108.87
2	2R	15	VAL	N-CA-C	-15.04	86.01	108.87
2	2V	15	VAL	N-CA-C	-15.04	86.01	108.87
2	2Z	15	VAL	N-CA-C	-15.04	86.01	108.87
2	43	15	VAL	N-CA-C	-15.04	86.01	108.87
2	47	15	VAL	N-CA-C	-15.04	86.01	108.87
2	5B	15	VAL	N-CA-C	-15.04	86.01	108.87
2	53	15	VAL	N-CA-C	-15.04	86.01	108.87
2	57	15	VAL	N-CA-C	-15.04	86.01	108.87
2	6B	15	VAL	N-CA-C	-15.04	86.01	108.87
2	13	25	SER	O-C-N	-15.03	102.59	122.59
2	17	25	SER	O-C-N	-15.03	102.59	122.59
2	2B	25	SER	O-C-N	-15.03	102.59	122.59
2	3R	25	SER	O-C-N	-15.03	102.59	122.59
2	3V	25	SER	O-C-N	-15.03	102.59	122.59
2	3Z	25	SER	O-C-N	-15.03	102.59	122.59
2	5F	25	SER	O-C-N	-15.03	102.59	122.59
2	5J	25	SER	O-C-N	-15.03	102.59	122.59
2	5N	25	SER	O-C-N	-15.03	102.59	122.59
2	63	25	SER	O-C-N	-15.03	102.59	122.59
2	67	25	SER	O-C-N	-15.03	102.59	122.59
2	7B	25	SER	O-C-N	-15.03	102.59	122.59
2	1F	25	SER	O-C-N	-15.03	102.60	122.59
1	1M	80	PHE	O-C-N	15.03	144.37	122.28
1	2I	80	PHE	O-C-N	15.03	144.37	122.28
2	2N	25	SER	O-C-N	-15.03	102.60	122.59
2	23	25	SER	O-C-N	-15.03	102.60	122.59
1	3A	80	PHE	O-C-N	15.03	144.37	122.28
1	3I	80	PHE	O-C-N	15.03	144.37	122.28
2	3N	25	SER	O-C-N	-15.03	102.60	122.59
1	32	80	PHE	O-C-N	15.03	144.37	122.28
2	37	25	SER	O-C-N	-15.03	102.60	122.59
1	4E	80	PHE	O-C-N	15.03	144.37	122.28
2	4J	25	SER	O-C-N	-15.03	102.60	122.59
2	4R	25	SER	O-C-N	-15.03	102.60	122.59
1	4Y	80	PHE	O-C-N	15.03	144.37	122.28
1	5U	80	PHE	O-C-N	15.03	144.37	122.28
2	5Z	25	SER	O-C-N	-15.03	102.60	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	25	SER	O-C-N	-15.03	102.60	122.59
1	6M	80	PHE	O-C-N	15.03	144.37	122.28
1	6U	80	PHE	O-C-N	15.03	144.37	122.28
2	6Z	25	SER	O-C-N	-15.03	102.60	122.59
1	7E	80	PHE	O-C-N	15.03	144.37	122.28
2	7J	25	SER	O-C-N	-15.03	102.60	122.59
1	7Q	80	PHE	O-C-N	15.03	144.37	122.28
2	7V	25	SER	O-C-N	-15.03	102.60	122.59
2	1F	28	THR	O-C-N	15.03	140.37	122.34
2	2N	28	THR	O-C-N	15.03	140.37	122.34
2	23	28	THR	O-C-N	15.03	140.37	122.34
2	3N	28	THR	O-C-N	15.03	140.37	122.34
2	37	28	THR	O-C-N	15.03	140.37	122.34
2	4J	28	THR	O-C-N	15.03	140.37	122.34
2	4R	28	THR	O-C-N	15.03	140.37	122.34
2	5Z	28	THR	O-C-N	15.03	140.37	122.34
2	6F	28	THR	O-C-N	15.03	140.37	122.34
2	6Z	28	THR	O-C-N	15.03	140.37	122.34
2	7J	28	THR	O-C-N	15.03	140.37	122.34
2	7V	28	THR	O-C-N	15.03	140.37	122.34
1	1E	148	LEU	N-CA-C	-15.02	88.25	110.48
1	2M	148	LEU	N-CA-C	-15.02	88.25	110.48
1	22	148	LEU	N-CA-C	-15.02	88.25	110.48
1	3M	148	LEU	N-CA-C	-15.02	88.25	110.48
1	36	148	LEU	N-CA-C	-15.02	88.25	110.48
1	4I	148	LEU	N-CA-C	-15.02	88.25	110.48
1	4Q	148	LEU	N-CA-C	-15.02	88.25	110.48
1	5Y	148	LEU	N-CA-C	-15.02	88.25	110.48
1	6E	148	LEU	N-CA-C	-15.02	88.25	110.48
1	6Y	148	LEU	N-CA-C	-15.02	88.25	110.48
1	7I	148	LEU	N-CA-C	-15.02	88.25	110.48
1	7U	148	LEU	N-CA-C	-15.02	88.25	110.48
1	1Q	80	PHE	O-C-N	15.02	144.36	122.28
1	1U	80	PHE	O-C-N	15.02	144.36	122.28
1	1Y	80	PHE	O-C-N	15.02	144.36	122.28
1	2Q	80	PHE	O-C-N	15.02	144.36	122.28
1	2U	80	PHE	O-C-N	15.02	144.36	122.28
1	2Y	80	PHE	O-C-N	15.02	144.36	122.28
1	42	80	PHE	O-C-N	15.02	144.36	122.28
1	46	80	PHE	O-C-N	15.02	144.36	122.28
1	5A	80	PHE	O-C-N	15.02	144.36	122.28
1	52	80	PHE	O-C-N	15.02	144.36	122.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	80	PHE	O-C-N	15.02	144.36	122.28
1	6A	80	PHE	O-C-N	15.02	144.36	122.28
2	1B	28	THR	O-C-N	15.02	140.36	122.34
2	1J	28	THR	O-C-N	15.02	140.36	122.34
2	13	42	HIS	N-CA-CB	15.02	131.43	110.10
2	17	42	HIS	N-CA-CB	15.02	131.43	110.10
2	2B	42	HIS	N-CA-CB	15.02	131.43	110.10
2	2F	28	THR	O-C-N	15.02	140.36	122.34
2	27	28	THR	O-C-N	15.02	140.36	122.34
2	3F	28	THR	O-C-N	15.02	140.36	122.34
2	3R	42	HIS	N-CA-CB	15.02	131.43	110.10
2	3V	42	HIS	N-CA-CB	15.02	131.43	110.10
2	3Z	42	HIS	N-CA-CB	15.02	131.43	110.10
2	4B	28	THR	O-C-N	15.02	140.36	122.34
2	4N	28	THR	O-C-N	15.02	140.36	122.34
2	4V	28	THR	O-C-N	15.02	140.36	122.34
2	5F	42	HIS	N-CA-CB	15.02	131.43	110.10
2	5J	42	HIS	N-CA-CB	15.02	131.43	110.10
2	5N	42	HIS	N-CA-CB	15.02	131.43	110.10
2	5R	28	THR	O-C-N	15.02	140.36	122.34
2	6J	28	THR	O-C-N	15.02	140.36	122.34
2	6R	28	THR	O-C-N	15.02	140.36	122.34
2	63	42	HIS	N-CA-CB	15.02	131.43	110.10
2	67	42	HIS	N-CA-CB	15.02	131.43	110.10
2	7B	42	HIS	N-CA-CB	15.02	131.43	110.10
2	7N	28	THR	O-C-N	15.02	140.36	122.34
1	1M	148	LEU	N-CA-C	-15.02	88.26	110.48
1	2I	148	LEU	N-CA-C	-15.02	88.26	110.48
1	3A	148	LEU	N-CA-C	-15.02	88.26	110.48
1	3I	148	LEU	N-CA-C	-15.02	88.26	110.48
1	32	148	LEU	N-CA-C	-15.02	88.26	110.48
1	4E	148	LEU	N-CA-C	-15.02	88.26	110.48
1	4Y	148	LEU	N-CA-C	-15.02	88.26	110.48
1	5U	148	LEU	N-CA-C	-15.02	88.26	110.48
1	6M	148	LEU	N-CA-C	-15.02	88.26	110.48
1	6U	148	LEU	N-CA-C	-15.02	88.26	110.48
1	7E	148	LEU	N-CA-C	-15.02	88.26	110.48
1	7Q	148	LEU	N-CA-C	-15.02	88.26	110.48
1	1A	148	LEU	N-CA-C	-15.01	88.26	110.48
1	1I	148	LEU	N-CA-C	-15.01	88.26	110.48
1	2E	148	LEU	N-CA-C	-15.01	88.26	110.48
1	26	148	LEU	N-CA-C	-15.01	88.26	110.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	148	LEU	N-CA-C	-15.01	88.26	110.48
1	4A	148	LEU	N-CA-C	-15.01	88.26	110.48
1	4M	148	LEU	N-CA-C	-15.01	88.26	110.48
1	4U	148	LEU	N-CA-C	-15.01	88.26	110.48
1	5Q	148	LEU	N-CA-C	-15.01	88.26	110.48
1	6I	148	LEU	N-CA-C	-15.01	88.26	110.48
1	6Q	148	LEU	N-CA-C	-15.01	88.26	110.48
1	7M	148	LEU	N-CA-C	-15.01	88.26	110.48
1	1Q	148	LEU	N-CA-C	-15.01	88.26	110.48
1	1U	148	LEU	N-CA-C	-15.01	88.26	110.48
1	1Y	148	LEU	N-CA-C	-15.01	88.26	110.48
1	2Q	148	LEU	N-CA-C	-15.01	88.26	110.48
1	2U	148	LEU	N-CA-C	-15.01	88.26	110.48
1	2Y	148	LEU	N-CA-C	-15.01	88.26	110.48
1	42	148	LEU	N-CA-C	-15.01	88.26	110.48
1	46	148	LEU	N-CA-C	-15.01	88.26	110.48
1	5A	148	LEU	N-CA-C	-15.01	88.26	110.48
1	52	148	LEU	N-CA-C	-15.01	88.26	110.48
1	56	148	LEU	N-CA-C	-15.01	88.26	110.48
1	6A	148	LEU	N-CA-C	-15.01	88.26	110.48
2	1F	42	HIS	N-CA-CB	15.00	131.40	110.10
2	2N	42	HIS	N-CA-CB	15.00	131.40	110.10
2	23	42	HIS	N-CA-CB	15.00	131.40	110.10
2	3N	42	HIS	N-CA-CB	15.00	131.40	110.10
2	37	42	HIS	N-CA-CB	15.00	131.40	110.10
2	4J	42	HIS	N-CA-CB	15.00	131.40	110.10
2	4R	42	HIS	N-CA-CB	15.00	131.40	110.10
2	5Z	42	HIS	N-CA-CB	15.00	131.40	110.10
2	6F	42	HIS	N-CA-CB	15.00	131.40	110.10
2	6Z	42	HIS	N-CA-CB	15.00	131.40	110.10
2	7J	42	HIS	N-CA-CB	15.00	131.40	110.10
2	7V	42	HIS	N-CA-CB	15.00	131.40	110.10
2	1B	42	HIS	N-CA-CB	14.99	131.39	110.10
2	1J	42	HIS	N-CA-CB	14.99	131.39	110.10
2	2F	42	HIS	N-CA-CB	14.99	131.39	110.10
2	27	42	HIS	N-CA-CB	14.99	131.39	110.10
2	3F	42	HIS	N-CA-CB	14.99	131.39	110.10
2	4B	42	HIS	N-CA-CB	14.99	131.39	110.10
2	4N	42	HIS	N-CA-CB	14.99	131.39	110.10
2	4V	42	HIS	N-CA-CB	14.99	131.39	110.10
2	5R	42	HIS	N-CA-CB	14.99	131.39	110.10
2	6J	42	HIS	N-CA-CB	14.99	131.39	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	42	HIS	N-CA-CB	14.99	131.39	110.10
2	7N	42	HIS	N-CA-CB	14.99	131.39	110.10
1	12	148	LEU	N-CA-C	-14.99	88.30	110.48
1	16	148	LEU	N-CA-C	-14.99	88.30	110.48
1	2A	148	LEU	N-CA-C	-14.99	88.30	110.48
1	3Q	148	LEU	N-CA-C	-14.99	88.30	110.48
1	3U	148	LEU	N-CA-C	-14.99	88.30	110.48
1	3Y	148	LEU	N-CA-C	-14.99	88.30	110.48
1	5E	148	LEU	N-CA-C	-14.99	88.30	110.48
1	5I	148	LEU	N-CA-C	-14.99	88.30	110.48
1	5M	148	LEU	N-CA-C	-14.99	88.30	110.48
1	62	148	LEU	N-CA-C	-14.99	88.30	110.48
1	66	148	LEU	N-CA-C	-14.99	88.30	110.48
1	7A	148	LEU	N-CA-C	-14.99	88.30	110.48
2	1N	28	THR	O-C-N	14.97	140.31	122.34
2	2J	28	THR	O-C-N	14.97	140.31	122.34
2	3B	28	THR	O-C-N	14.97	140.31	122.34
2	3J	28	THR	O-C-N	14.97	140.31	122.34
2	33	28	THR	O-C-N	14.97	140.31	122.34
2	4F	28	THR	O-C-N	14.97	140.31	122.34
2	4Z	28	THR	O-C-N	14.97	140.31	122.34
2	5V	28	THR	O-C-N	14.97	140.31	122.34
2	6N	28	THR	O-C-N	14.97	140.31	122.34
2	6V	28	THR	O-C-N	14.97	140.31	122.34
2	7F	28	THR	O-C-N	14.97	140.31	122.34
2	7R	28	THR	O-C-N	14.97	140.31	122.34
2	1R	42	HIS	N-CA-CB	14.97	131.35	110.10
2	1V	42	HIS	N-CA-CB	14.97	131.35	110.10
2	1Z	42	HIS	N-CA-CB	14.97	131.35	110.10
2	2R	42	HIS	N-CA-CB	14.97	131.35	110.10
2	2V	42	HIS	N-CA-CB	14.97	131.35	110.10
2	2Z	42	HIS	N-CA-CB	14.97	131.35	110.10
2	43	42	HIS	N-CA-CB	14.97	131.35	110.10
2	47	42	HIS	N-CA-CB	14.97	131.35	110.10
2	5B	42	HIS	N-CA-CB	14.97	131.35	110.10
2	53	42	HIS	N-CA-CB	14.97	131.35	110.10
2	57	42	HIS	N-CA-CB	14.97	131.35	110.10
2	6B	42	HIS	N-CA-CB	14.97	131.35	110.10
2	1R	28	THR	O-C-N	14.97	140.30	122.34
2	1V	28	THR	O-C-N	14.97	140.30	122.34
2	1Z	28	THR	O-C-N	14.97	140.30	122.34
2	2R	28	THR	O-C-N	14.97	140.30	122.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	28	THR	O-C-N	14.97	140.30	122.34
2	2Z	28	THR	O-C-N	14.97	140.30	122.34
2	43	28	THR	O-C-N	14.97	140.30	122.34
2	47	28	THR	O-C-N	14.97	140.30	122.34
2	5B	28	THR	O-C-N	14.97	140.30	122.34
2	53	28	THR	O-C-N	14.97	140.30	122.34
2	57	28	THR	O-C-N	14.97	140.30	122.34
2	6B	28	THR	O-C-N	14.97	140.30	122.34
2	1N	208	SER	N-CA-C	-14.96	93.33	114.12
2	2J	208	SER	N-CA-C	-14.96	93.33	114.12
2	3B	208	SER	N-CA-C	-14.96	93.33	114.12
2	3J	208	SER	N-CA-C	-14.96	93.33	114.12
2	33	208	SER	N-CA-C	-14.96	93.33	114.12
2	4F	208	SER	N-CA-C	-14.96	93.33	114.12
2	4Z	208	SER	N-CA-C	-14.96	93.33	114.12
2	5V	208	SER	N-CA-C	-14.96	93.33	114.12
2	6N	208	SER	N-CA-C	-14.96	93.33	114.12
2	6V	208	SER	N-CA-C	-14.96	93.33	114.12
2	7F	208	SER	N-CA-C	-14.96	93.33	114.12
2	7R	208	SER	N-CA-C	-14.96	93.33	114.12
2	1F	208	SER	N-CA-C	-14.95	93.34	114.12
2	2N	208	SER	N-CA-C	-14.95	93.34	114.12
2	23	208	SER	N-CA-C	-14.95	93.34	114.12
2	3N	208	SER	N-CA-C	-14.95	93.34	114.12
2	37	208	SER	N-CA-C	-14.95	93.34	114.12
2	4J	208	SER	N-CA-C	-14.95	93.34	114.12
2	4R	208	SER	N-CA-C	-14.95	93.34	114.12
2	5Z	208	SER	N-CA-C	-14.95	93.34	114.12
2	6F	208	SER	N-CA-C	-14.95	93.34	114.12
2	6Z	208	SER	N-CA-C	-14.95	93.34	114.12
2	7J	208	SER	N-CA-C	-14.95	93.34	114.12
2	7V	208	SER	N-CA-C	-14.95	93.34	114.12
2	1B	208	SER	N-CA-C	-14.94	93.35	114.12
2	1J	208	SER	N-CA-C	-14.94	93.35	114.12
2	2F	208	SER	N-CA-C	-14.94	93.35	114.12
2	27	208	SER	N-CA-C	-14.94	93.35	114.12
2	3F	208	SER	N-CA-C	-14.94	93.35	114.12
2	4B	208	SER	N-CA-C	-14.94	93.35	114.12
2	4N	208	SER	N-CA-C	-14.94	93.35	114.12
2	4V	208	SER	N-CA-C	-14.94	93.35	114.12
2	5R	208	SER	N-CA-C	-14.94	93.35	114.12
2	6J	208	SER	N-CA-C	-14.94	93.35	114.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	208	SER	N-CA-C	-14.94	93.35	114.12
2	7N	208	SER	N-CA-C	-14.94	93.35	114.12
2	13	208	SER	N-CA-C	-14.93	93.37	114.12
2	17	208	SER	N-CA-C	-14.93	93.37	114.12
2	2B	208	SER	N-CA-C	-14.93	93.37	114.12
2	3R	208	SER	N-CA-C	-14.93	93.37	114.12
2	3V	208	SER	N-CA-C	-14.93	93.37	114.12
2	3Z	208	SER	N-CA-C	-14.93	93.37	114.12
2	5F	208	SER	N-CA-C	-14.93	93.37	114.12
2	5J	208	SER	N-CA-C	-14.93	93.37	114.12
2	5N	208	SER	N-CA-C	-14.93	93.37	114.12
2	63	208	SER	N-CA-C	-14.93	93.37	114.12
2	67	208	SER	N-CA-C	-14.93	93.37	114.12
2	7B	208	SER	N-CA-C	-14.93	93.37	114.12
2	1N	46	TYR	O-C-N	14.93	137.44	122.07
2	1R	46	TYR	O-C-N	14.93	137.44	122.07
2	1R	208	SER	N-CA-C	-14.93	93.37	114.12
2	1V	46	TYR	O-C-N	14.93	137.44	122.07
2	1V	208	SER	N-CA-C	-14.93	93.37	114.12
2	1Z	46	TYR	O-C-N	14.93	137.44	122.07
2	1Z	208	SER	N-CA-C	-14.93	93.37	114.12
2	2J	46	TYR	O-C-N	14.93	137.44	122.07
2	2R	46	TYR	O-C-N	14.93	137.44	122.07
2	2R	208	SER	N-CA-C	-14.93	93.37	114.12
2	2V	46	TYR	O-C-N	14.93	137.44	122.07
2	2V	208	SER	N-CA-C	-14.93	93.37	114.12
2	2Z	46	TYR	O-C-N	14.93	137.44	122.07
2	2Z	208	SER	N-CA-C	-14.93	93.37	114.12
2	3B	46	TYR	O-C-N	14.93	137.44	122.07
2	3J	46	TYR	O-C-N	14.93	137.44	122.07
2	33	46	TYR	O-C-N	14.93	137.44	122.07
2	4F	46	TYR	O-C-N	14.93	137.44	122.07
2	4Z	46	TYR	O-C-N	14.93	137.44	122.07
2	43	46	TYR	O-C-N	14.93	137.44	122.07
2	43	208	SER	N-CA-C	-14.93	93.37	114.12
2	47	46	TYR	O-C-N	14.93	137.44	122.07
2	47	208	SER	N-CA-C	-14.93	93.37	114.12
2	5B	46	TYR	O-C-N	14.93	137.44	122.07
2	5B	208	SER	N-CA-C	-14.93	93.37	114.12
2	5V	46	TYR	O-C-N	14.93	137.44	122.07
2	53	46	TYR	O-C-N	14.93	137.44	122.07
2	53	208	SER	N-CA-C	-14.93	93.37	114.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	46	TYR	O-C-N	14.93	137.44	122.07
2	57	208	SER	N-CA-C	-14.93	93.37	114.12
2	6B	46	TYR	O-C-N	14.93	137.44	122.07
2	6B	208	SER	N-CA-C	-14.93	93.37	114.12
2	6N	46	TYR	O-C-N	14.93	137.44	122.07
2	6V	46	TYR	O-C-N	14.93	137.44	122.07
2	7F	46	TYR	O-C-N	14.93	137.44	122.07
2	7R	46	TYR	O-C-N	14.93	137.44	122.07
2	1F	46	TYR	O-C-N	14.91	137.42	122.07
2	2N	46	TYR	O-C-N	14.91	137.42	122.07
2	23	46	TYR	O-C-N	14.91	137.42	122.07
2	3N	46	TYR	O-C-N	14.91	137.42	122.07
2	37	46	TYR	O-C-N	14.91	137.42	122.07
2	4J	46	TYR	O-C-N	14.91	137.42	122.07
2	4R	46	TYR	O-C-N	14.91	137.42	122.07
2	5Z	46	TYR	O-C-N	14.91	137.42	122.07
2	6F	46	TYR	O-C-N	14.91	137.42	122.07
2	6Z	46	TYR	O-C-N	14.91	137.42	122.07
2	7J	46	TYR	O-C-N	14.91	137.42	122.07
2	7V	46	TYR	O-C-N	14.91	137.42	122.07
2	13	46	TYR	O-C-N	14.90	137.42	122.07
2	17	46	TYR	O-C-N	14.90	137.42	122.07
2	2B	46	TYR	O-C-N	14.90	137.42	122.07
2	3R	46	TYR	O-C-N	14.90	137.42	122.07
2	3V	46	TYR	O-C-N	14.90	137.42	122.07
2	3Z	46	TYR	O-C-N	14.90	137.42	122.07
2	5F	46	TYR	O-C-N	14.90	137.42	122.07
2	5J	46	TYR	O-C-N	14.90	137.42	122.07
2	5N	46	TYR	O-C-N	14.90	137.42	122.07
2	63	46	TYR	O-C-N	14.90	137.42	122.07
2	67	46	TYR	O-C-N	14.90	137.42	122.07
2	7B	46	TYR	O-C-N	14.90	137.42	122.07
2	1B	46	TYR	O-C-N	14.89	137.41	122.07
2	1J	46	TYR	O-C-N	14.89	137.41	122.07
2	2F	46	TYR	O-C-N	14.89	137.41	122.07
2	27	46	TYR	O-C-N	14.89	137.41	122.07
2	3F	46	TYR	O-C-N	14.89	137.41	122.07
2	4B	46	TYR	O-C-N	14.89	137.41	122.07
2	4N	46	TYR	O-C-N	14.89	137.41	122.07
2	4V	46	TYR	O-C-N	14.89	137.41	122.07
2	5R	46	TYR	O-C-N	14.89	137.41	122.07
2	6J	46	TYR	O-C-N	14.89	137.41	122.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	46	TYR	O-C-N	14.89	137.41	122.07
2	7N	46	TYR	O-C-N	14.89	137.41	122.07
2	1F	3	PRO	CA-C-N	-14.88	93.12	121.54
2	1F	3	PRO	C-N-CA	-14.88	93.12	121.54
2	2N	3	PRO	CA-C-N	-14.88	93.12	121.54
2	2N	3	PRO	C-N-CA	-14.88	93.12	121.54
2	23	3	PRO	CA-C-N	-14.88	93.12	121.54
2	23	3	PRO	C-N-CA	-14.88	93.12	121.54
2	3N	3	PRO	CA-C-N	-14.88	93.12	121.54
2	3N	3	PRO	C-N-CA	-14.88	93.12	121.54
2	37	3	PRO	CA-C-N	-14.88	93.12	121.54
2	37	3	PRO	C-N-CA	-14.88	93.12	121.54
2	4J	3	PRO	CA-C-N	-14.88	93.12	121.54
2	4J	3	PRO	C-N-CA	-14.88	93.12	121.54
2	4R	3	PRO	CA-C-N	-14.88	93.12	121.54
2	4R	3	PRO	C-N-CA	-14.88	93.12	121.54
2	5Z	3	PRO	CA-C-N	-14.88	93.12	121.54
2	5Z	3	PRO	C-N-CA	-14.88	93.12	121.54
2	6F	3	PRO	CA-C-N	-14.88	93.12	121.54
2	6F	3	PRO	C-N-CA	-14.88	93.12	121.54
2	6Z	3	PRO	CA-C-N	-14.88	93.12	121.54
2	6Z	3	PRO	C-N-CA	-14.88	93.12	121.54
2	7J	3	PRO	CA-C-N	-14.88	93.12	121.54
2	7J	3	PRO	C-N-CA	-14.88	93.12	121.54
2	7V	3	PRO	CA-C-N	-14.88	93.12	121.54
2	7V	3	PRO	C-N-CA	-14.88	93.12	121.54
2	13	3	PRO	CA-C-N	-14.87	93.14	121.54
2	13	3	PRO	C-N-CA	-14.87	93.14	121.54
2	17	3	PRO	CA-C-N	-14.87	93.14	121.54
2	17	3	PRO	C-N-CA	-14.87	93.14	121.54
2	2B	3	PRO	CA-C-N	-14.87	93.14	121.54
2	2B	3	PRO	C-N-CA	-14.87	93.14	121.54
2	3R	3	PRO	CA-C-N	-14.87	93.14	121.54
2	3R	3	PRO	C-N-CA	-14.87	93.14	121.54
2	3V	3	PRO	CA-C-N	-14.87	93.14	121.54
2	3V	3	PRO	C-N-CA	-14.87	93.14	121.54
2	3Z	3	PRO	CA-C-N	-14.87	93.14	121.54
2	3Z	3	PRO	C-N-CA	-14.87	93.14	121.54
2	5F	3	PRO	CA-C-N	-14.87	93.14	121.54
2	5F	3	PRO	C-N-CA	-14.87	93.14	121.54
2	5J	3	PRO	CA-C-N	-14.87	93.14	121.54
2	5J	3	PRO	C-N-CA	-14.87	93.14	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5N	3	PRO	CA-C-N	-14.87	93.14	121.54
2	5N	3	PRO	C-N-CA	-14.87	93.14	121.54
2	63	3	PRO	CA-C-N	-14.87	93.14	121.54
2	63	3	PRO	C-N-CA	-14.87	93.14	121.54
2	67	3	PRO	CA-C-N	-14.87	93.14	121.54
2	67	3	PRO	C-N-CA	-14.87	93.14	121.54
2	7B	3	PRO	CA-C-N	-14.87	93.14	121.54
2	7B	3	PRO	C-N-CA	-14.87	93.14	121.54
2	1N	3	PRO	CA-C-N	-14.87	93.14	121.54
2	1N	3	PRO	C-N-CA	-14.87	93.14	121.54
2	2J	3	PRO	CA-C-N	-14.87	93.14	121.54
2	2J	3	PRO	C-N-CA	-14.87	93.14	121.54
2	3B	3	PRO	CA-C-N	-14.87	93.14	121.54
2	3B	3	PRO	C-N-CA	-14.87	93.14	121.54
2	3J	3	PRO	CA-C-N	-14.87	93.14	121.54
2	3J	3	PRO	C-N-CA	-14.87	93.14	121.54
2	33	3	PRO	CA-C-N	-14.87	93.14	121.54
2	33	3	PRO	C-N-CA	-14.87	93.14	121.54
2	4F	3	PRO	CA-C-N	-14.87	93.14	121.54
2	4F	3	PRO	C-N-CA	-14.87	93.14	121.54
2	4Z	3	PRO	CA-C-N	-14.87	93.14	121.54
2	4Z	3	PRO	C-N-CA	-14.87	93.14	121.54
2	5V	3	PRO	CA-C-N	-14.87	93.14	121.54
2	5V	3	PRO	C-N-CA	-14.87	93.14	121.54
2	6N	3	PRO	CA-C-N	-14.87	93.14	121.54
2	6N	3	PRO	C-N-CA	-14.87	93.14	121.54
2	6V	3	PRO	CA-C-N	-14.87	93.14	121.54
2	6V	3	PRO	C-N-CA	-14.87	93.14	121.54
2	7F	3	PRO	CA-C-N	-14.87	93.14	121.54
2	7F	3	PRO	C-N-CA	-14.87	93.14	121.54
2	7R	3	PRO	CA-C-N	-14.87	93.14	121.54
2	7R	3	PRO	C-N-CA	-14.87	93.14	121.54
2	13	215	GLN	OE1-CD-NE2	-14.86	107.74	122.60
2	17	215	GLN	OE1-CD-NE2	-14.86	107.74	122.60
2	2B	215	GLN	OE1-CD-NE2	-14.86	107.74	122.60
2	3R	215	GLN	OE1-CD-NE2	-14.86	107.74	122.60
2	3V	215	GLN	OE1-CD-NE2	-14.86	107.74	122.60
2	3Z	215	GLN	OE1-CD-NE2	-14.86	107.74	122.60
2	5F	215	GLN	OE1-CD-NE2	-14.86	107.74	122.60
2	5J	215	GLN	OE1-CD-NE2	-14.86	107.74	122.60
2	5N	215	GLN	OE1-CD-NE2	-14.86	107.74	122.60
2	63	215	GLN	OE1-CD-NE2	-14.86	107.74	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	215	GLN	OE1-CD-NE2	-14.86	107.74	122.60
2	7B	215	GLN	OE1-CD-NE2	-14.86	107.74	122.60
2	1R	3	PRO	CA-C-N	-14.86	93.17	121.54
2	1R	3	PRO	C-N-CA	-14.86	93.17	121.54
2	1V	3	PRO	CA-C-N	-14.86	93.17	121.54
2	1V	3	PRO	C-N-CA	-14.86	93.17	121.54
2	1Z	3	PRO	CA-C-N	-14.86	93.17	121.54
2	1Z	3	PRO	C-N-CA	-14.86	93.17	121.54
2	2R	3	PRO	CA-C-N	-14.86	93.17	121.54
2	2R	3	PRO	C-N-CA	-14.86	93.17	121.54
2	2V	3	PRO	CA-C-N	-14.86	93.17	121.54
2	2V	3	PRO	C-N-CA	-14.86	93.17	121.54
2	2Z	3	PRO	CA-C-N	-14.86	93.17	121.54
2	2Z	3	PRO	C-N-CA	-14.86	93.17	121.54
2	43	3	PRO	CA-C-N	-14.86	93.17	121.54
2	43	3	PRO	C-N-CA	-14.86	93.17	121.54
2	47	3	PRO	CA-C-N	-14.86	93.17	121.54
2	47	3	PRO	C-N-CA	-14.86	93.17	121.54
2	5B	3	PRO	CA-C-N	-14.86	93.17	121.54
2	5B	3	PRO	C-N-CA	-14.86	93.17	121.54
2	53	3	PRO	CA-C-N	-14.86	93.17	121.54
2	53	3	PRO	C-N-CA	-14.86	93.17	121.54
2	57	3	PRO	CA-C-N	-14.86	93.17	121.54
2	57	3	PRO	C-N-CA	-14.86	93.17	121.54
2	6B	3	PRO	CA-C-N	-14.86	93.17	121.54
2	6B	3	PRO	C-N-CA	-14.86	93.17	121.54
2	1B	3	PRO	CA-C-N	-14.85	93.17	121.54
2	1B	3	PRO	C-N-CA	-14.85	93.17	121.54
2	1V	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	1B	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	1J	3	PRO	CA-C-N	-14.85	93.17	121.54
2	1J	3	PRO	C-N-CA	-14.85	93.17	121.54
2	1R	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	1Z	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	2F	3	PRO	CA-C-N	-14.85	93.17	121.54
2	2F	3	PRO	C-N-CA	-14.85	93.17	121.54
2	2R	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	2V	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	2Z	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	4B	3	PRO	C-N-CA	-14.85	93.17	121.54
2	43	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	6B	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1F	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	1J	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	2F	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	27	3	PRO	CA-C-N	-14.85	93.17	121.54
2	27	3	PRO	C-N-CA	-14.85	93.17	121.54
2	3F	3	PRO	CA-C-N	-14.85	93.17	121.54
2	3F	3	PRO	C-N-CA	-14.85	93.17	121.54
2	6R	3	PRO	CA-C-N	-14.85	93.17	121.54
2	2N	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	23	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	27	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	3F	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	4B	3	PRO	CA-C-N	-14.85	93.17	121.54
2	4N	3	PRO	CA-C-N	-14.85	93.17	121.54
2	4N	3	PRO	C-N-CA	-14.85	93.17	121.54
2	4V	3	PRO	CA-C-N	-14.85	93.17	121.54
2	4V	3	PRO	C-N-CA	-14.85	93.17	121.54
2	47	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	5B	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	5R	3	PRO	CA-C-N	-14.85	93.17	121.54
2	5R	3	PRO	C-N-CA	-14.85	93.17	121.54
2	53	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	57	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	6J	3	PRO	CA-C-N	-14.85	93.17	121.54
2	7N	3	PRO	C-N-CA	-14.85	93.17	121.54
2	3N	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	37	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	4B	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	4J	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	4N	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	4R	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	4V	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	5R	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	6J	3	PRO	C-N-CA	-14.85	93.17	121.54
2	6R	3	PRO	C-N-CA	-14.85	93.17	121.54
2	7N	3	PRO	CA-C-N	-14.85	93.17	121.54
2	5Z	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	6F	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	6J	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	6R	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	6Z	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	7J	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	7V	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	1N	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	2J	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	3B	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	3J	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	33	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	4F	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	4Z	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	5V	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	6N	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	6V	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	7F	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	7R	215	GLN	OE1-CD-NE2	-14.85	107.75	122.60
2	1R	220	PHE	N-CA-C	-14.83	82.44	108.69
2	1V	220	PHE	N-CA-C	-14.83	82.44	108.69
2	1Z	220	PHE	N-CA-C	-14.83	82.44	108.69
2	2R	220	PHE	N-CA-C	-14.83	82.44	108.69
2	2V	220	PHE	N-CA-C	-14.83	82.44	108.69
2	2Z	220	PHE	N-CA-C	-14.83	82.44	108.69
2	43	220	PHE	N-CA-C	-14.83	82.44	108.69
2	47	220	PHE	N-CA-C	-14.83	82.44	108.69
2	5B	220	PHE	N-CA-C	-14.83	82.44	108.69
2	53	220	PHE	N-CA-C	-14.83	82.44	108.69
2	57	220	PHE	N-CA-C	-14.83	82.44	108.69
2	6B	220	PHE	N-CA-C	-14.83	82.44	108.69
2	1N	220	PHE	N-CA-C	-14.82	82.45	108.69
2	2J	220	PHE	N-CA-C	-14.82	82.45	108.69
2	3B	220	PHE	N-CA-C	-14.82	82.45	108.69
2	3J	220	PHE	N-CA-C	-14.82	82.45	108.69
2	33	220	PHE	N-CA-C	-14.82	82.45	108.69
2	4F	220	PHE	N-CA-C	-14.82	82.45	108.69
2	4Z	220	PHE	N-CA-C	-14.82	82.45	108.69
2	5V	220	PHE	N-CA-C	-14.82	82.45	108.69
2	6N	220	PHE	N-CA-C	-14.82	82.45	108.69
2	6V	220	PHE	N-CA-C	-14.82	82.45	108.69
2	7F	220	PHE	N-CA-C	-14.82	82.45	108.69
2	7R	220	PHE	N-CA-C	-14.82	82.45	108.69
2	1B	220	PHE	N-CA-C	-14.82	82.46	108.69
2	1J	220	PHE	N-CA-C	-14.82	82.46	108.69
2	2F	220	PHE	N-CA-C	-14.82	82.46	108.69
2	27	220	PHE	N-CA-C	-14.82	82.46	108.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	220	PHE	N-CA-C	-14.82	82.46	108.69
2	4B	220	PHE	N-CA-C	-14.82	82.46	108.69
2	4N	220	PHE	N-CA-C	-14.82	82.46	108.69
2	4V	220	PHE	N-CA-C	-14.82	82.46	108.69
2	5R	220	PHE	N-CA-C	-14.82	82.46	108.69
2	6J	220	PHE	N-CA-C	-14.82	82.46	108.69
2	6R	220	PHE	N-CA-C	-14.82	82.46	108.69
2	7N	220	PHE	N-CA-C	-14.82	82.46	108.69
2	1F	220	PHE	N-CA-C	-14.81	82.47	108.69
2	13	220	PHE	N-CA-C	-14.81	82.47	108.69
2	17	220	PHE	N-CA-C	-14.81	82.47	108.69
2	2B	220	PHE	N-CA-C	-14.81	82.47	108.69
2	2N	220	PHE	N-CA-C	-14.81	82.47	108.69
2	23	220	PHE	N-CA-C	-14.81	82.47	108.69
2	3N	220	PHE	N-CA-C	-14.81	82.47	108.69
2	3R	220	PHE	N-CA-C	-14.81	82.47	108.69
2	3V	220	PHE	N-CA-C	-14.81	82.47	108.69
2	3Z	220	PHE	N-CA-C	-14.81	82.47	108.69
2	37	220	PHE	N-CA-C	-14.81	82.47	108.69
2	4J	220	PHE	N-CA-C	-14.81	82.47	108.69
2	4R	220	PHE	N-CA-C	-14.81	82.47	108.69
2	5F	220	PHE	N-CA-C	-14.81	82.47	108.69
2	5J	220	PHE	N-CA-C	-14.81	82.47	108.69
2	5N	220	PHE	N-CA-C	-14.81	82.47	108.69
2	5Z	220	PHE	N-CA-C	-14.81	82.47	108.69
2	6F	220	PHE	N-CA-C	-14.81	82.47	108.69
2	6Z	220	PHE	N-CA-C	-14.81	82.47	108.69
2	63	220	PHE	N-CA-C	-14.81	82.47	108.69
2	67	220	PHE	N-CA-C	-14.81	82.47	108.69
2	7B	220	PHE	N-CA-C	-14.81	82.47	108.69
2	7J	220	PHE	N-CA-C	-14.81	82.47	108.69
2	7V	220	PHE	N-CA-C	-14.81	82.47	108.69
1	1E	66	ARG	CG-CD-NE	-14.81	79.42	112.00
1	2M	66	ARG	CG-CD-NE	-14.81	79.42	112.00
1	22	66	ARG	CG-CD-NE	-14.81	79.42	112.00
1	3M	66	ARG	CG-CD-NE	-14.81	79.42	112.00
1	36	66	ARG	CG-CD-NE	-14.81	79.42	112.00
1	4I	66	ARG	CG-CD-NE	-14.81	79.42	112.00
1	4Q	66	ARG	CG-CD-NE	-14.81	79.42	112.00
1	5Y	66	ARG	CG-CD-NE	-14.81	79.42	112.00
1	6E	66	ARG	CG-CD-NE	-14.81	79.42	112.00
1	6Y	66	ARG	CG-CD-NE	-14.81	79.42	112.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	66	ARG	CG-CD-NE	-14.81	79.42	112.00
1	7U	66	ARG	CG-CD-NE	-14.81	79.42	112.00
1	1A	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	1I	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	2E	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	26	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	3E	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	4A	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	4M	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	4U	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	5Q	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	6I	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	6Q	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	7M	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	1Q	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	1U	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	1Y	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	2Q	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	2U	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	2Y	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	42	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	46	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	5A	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	52	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	56	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	6A	66	ARG	CG-CD-NE	-14.80	79.45	112.00
1	12	66	ARG	CG-CD-NE	-14.79	79.47	112.00
1	16	66	ARG	CG-CD-NE	-14.79	79.47	112.00
1	2A	66	ARG	CG-CD-NE	-14.79	79.47	112.00
1	3Q	66	ARG	CG-CD-NE	-14.79	79.47	112.00
1	3U	66	ARG	CG-CD-NE	-14.79	79.47	112.00
1	3Y	66	ARG	CG-CD-NE	-14.79	79.47	112.00
1	5E	66	ARG	CG-CD-NE	-14.79	79.47	112.00
1	5I	66	ARG	CG-CD-NE	-14.79	79.47	112.00
1	5M	66	ARG	CG-CD-NE	-14.79	79.47	112.00
1	62	66	ARG	CG-CD-NE	-14.79	79.47	112.00
1	66	66	ARG	CG-CD-NE	-14.79	79.47	112.00
1	7A	66	ARG	CG-CD-NE	-14.79	79.47	112.00
1	1M	66	ARG	CG-CD-NE	-14.78	79.48	112.00
1	2I	66	ARG	CG-CD-NE	-14.78	79.48	112.00
1	3A	66	ARG	CG-CD-NE	-14.78	79.48	112.00
1	3I	66	ARG	CG-CD-NE	-14.78	79.48	112.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	66	ARG	CG-CD-NE	-14.78	79.48	112.00
1	4E	66	ARG	CG-CD-NE	-14.78	79.48	112.00
1	4Y	66	ARG	CG-CD-NE	-14.78	79.48	112.00
1	5U	66	ARG	CG-CD-NE	-14.78	79.48	112.00
1	6M	66	ARG	CG-CD-NE	-14.78	79.48	112.00
1	6U	66	ARG	CG-CD-NE	-14.78	79.48	112.00
1	7E	66	ARG	CG-CD-NE	-14.78	79.48	112.00
1	7Q	66	ARG	CG-CD-NE	-14.78	79.48	112.00
1	1E	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	2M	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	22	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	3M	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	36	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	4I	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	4Q	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	5Y	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	6E	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	6Y	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	7I	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	7U	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	1Q	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	1U	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	1Y	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	2Q	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	2U	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	2Y	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	42	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	46	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	5A	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	52	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	56	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	6A	9	PHE	CB-CA-C	-14.77	88.22	110.67
1	1A	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	1I	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	1M	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	2E	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	2I	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	26	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	3A	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	3E	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	3I	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	32	9	PHE	CB-CA-C	-14.76	88.23	110.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	4E	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	4M	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	4U	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	4Y	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	5Q	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	5U	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	6I	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	6M	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	6Q	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	6U	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	7E	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	7M	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	7Q	9	PHE	CB-CA-C	-14.76	88.23	110.67
1	12	9	PHE	CB-CA-C	-14.76	88.24	110.67
1	16	9	PHE	CB-CA-C	-14.76	88.24	110.67
1	2A	9	PHE	CB-CA-C	-14.76	88.24	110.67
1	3Q	9	PHE	CB-CA-C	-14.76	88.24	110.67
1	3U	9	PHE	CB-CA-C	-14.76	88.24	110.67
1	3Y	9	PHE	CB-CA-C	-14.76	88.24	110.67
1	5E	9	PHE	CB-CA-C	-14.76	88.24	110.67
1	5I	9	PHE	CB-CA-C	-14.76	88.24	110.67
1	5M	9	PHE	CB-CA-C	-14.76	88.24	110.67
1	62	9	PHE	CB-CA-C	-14.76	88.24	110.67
1	66	9	PHE	CB-CA-C	-14.76	88.24	110.67
1	7A	9	PHE	CB-CA-C	-14.76	88.24	110.67
1	1Q	37	ALA	CA-C-N	-14.76	101.39	119.84
1	1Q	37	ALA	C-N-CA	-14.76	101.39	119.84
1	1U	37	ALA	CA-C-N	-14.76	101.39	119.84
1	1U	37	ALA	C-N-CA	-14.76	101.39	119.84
1	1Y	37	ALA	CA-C-N	-14.76	101.39	119.84
1	1Y	37	ALA	C-N-CA	-14.76	101.39	119.84
1	2Q	37	ALA	CA-C-N	-14.76	101.39	119.84
1	2Q	37	ALA	C-N-CA	-14.76	101.39	119.84
1	2U	37	ALA	CA-C-N	-14.76	101.39	119.84
1	2U	37	ALA	C-N-CA	-14.76	101.39	119.84
1	2Y	37	ALA	CA-C-N	-14.76	101.39	119.84
1	2Y	37	ALA	C-N-CA	-14.76	101.39	119.84
1	42	37	ALA	CA-C-N	-14.76	101.39	119.84
1	42	37	ALA	C-N-CA	-14.76	101.39	119.84
1	46	37	ALA	CA-C-N	-14.76	101.39	119.84
1	46	37	ALA	C-N-CA	-14.76	101.39	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	37	ALA	CA-C-N	-14.76	101.39	119.84
1	5A	37	ALA	C-N-CA	-14.76	101.39	119.84
1	52	37	ALA	CA-C-N	-14.76	101.39	119.84
1	52	37	ALA	C-N-CA	-14.76	101.39	119.84
1	56	37	ALA	CA-C-N	-14.76	101.39	119.84
1	56	37	ALA	C-N-CA	-14.76	101.39	119.84
1	6A	37	ALA	CA-C-N	-14.76	101.39	119.84
1	6A	37	ALA	C-N-CA	-14.76	101.39	119.84
1	1A	37	ALA	CA-C-N	-14.75	101.41	119.84
1	1A	37	ALA	C-N-CA	-14.75	101.41	119.84
1	1I	37	ALA	CA-C-N	-14.75	101.41	119.84
1	1I	37	ALA	C-N-CA	-14.75	101.41	119.84
1	12	37	ALA	CA-C-N	-14.75	101.41	119.84
1	12	37	ALA	C-N-CA	-14.75	101.41	119.84
1	16	37	ALA	CA-C-N	-14.75	101.41	119.84
1	16	37	ALA	C-N-CA	-14.75	101.41	119.84
1	2A	37	ALA	CA-C-N	-14.75	101.41	119.84
1	2A	37	ALA	C-N-CA	-14.75	101.41	119.84
1	2E	37	ALA	CA-C-N	-14.75	101.41	119.84
1	2E	37	ALA	C-N-CA	-14.75	101.41	119.84
1	26	37	ALA	CA-C-N	-14.75	101.41	119.84
1	26	37	ALA	C-N-CA	-14.75	101.41	119.84
1	3E	37	ALA	CA-C-N	-14.75	101.41	119.84
1	3E	37	ALA	C-N-CA	-14.75	101.41	119.84
1	3Q	37	ALA	CA-C-N	-14.75	101.41	119.84
1	3Q	37	ALA	C-N-CA	-14.75	101.41	119.84
1	3U	37	ALA	CA-C-N	-14.75	101.41	119.84
1	3U	37	ALA	C-N-CA	-14.75	101.41	119.84
1	3Y	37	ALA	CA-C-N	-14.75	101.41	119.84
1	3Y	37	ALA	C-N-CA	-14.75	101.41	119.84
1	4A	37	ALA	CA-C-N	-14.75	101.41	119.84
1	4A	37	ALA	C-N-CA	-14.75	101.41	119.84
1	4M	37	ALA	CA-C-N	-14.75	101.41	119.84
1	4M	37	ALA	C-N-CA	-14.75	101.41	119.84
1	4U	37	ALA	CA-C-N	-14.75	101.41	119.84
1	4U	37	ALA	C-N-CA	-14.75	101.41	119.84
1	5E	37	ALA	CA-C-N	-14.75	101.41	119.84
1	5E	37	ALA	C-N-CA	-14.75	101.41	119.84
1	5I	37	ALA	CA-C-N	-14.75	101.41	119.84
1	5I	37	ALA	C-N-CA	-14.75	101.41	119.84
1	5M	37	ALA	CA-C-N	-14.75	101.41	119.84
1	5M	37	ALA	C-N-CA	-14.75	101.41	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Q	37	ALA	CA-C-N	-14.75	101.41	119.84
1	5Q	37	ALA	C-N-CA	-14.75	101.41	119.84
1	6I	37	ALA	CA-C-N	-14.75	101.41	119.84
1	6I	37	ALA	C-N-CA	-14.75	101.41	119.84
1	6Q	37	ALA	CA-C-N	-14.75	101.41	119.84
1	6Q	37	ALA	C-N-CA	-14.75	101.41	119.84
1	62	37	ALA	CA-C-N	-14.75	101.41	119.84
1	62	37	ALA	C-N-CA	-14.75	101.41	119.84
1	66	37	ALA	CA-C-N	-14.75	101.41	119.84
1	66	37	ALA	C-N-CA	-14.75	101.41	119.84
1	7A	37	ALA	CA-C-N	-14.75	101.41	119.84
1	7A	37	ALA	C-N-CA	-14.75	101.41	119.84
1	7M	37	ALA	CA-C-N	-14.75	101.41	119.84
1	7M	37	ALA	C-N-CA	-14.75	101.41	119.84
1	1M	37	ALA	CA-C-N	-14.74	101.41	119.84
1	1M	37	ALA	C-N-CA	-14.74	101.41	119.84
1	2I	37	ALA	CA-C-N	-14.74	101.41	119.84
1	2I	37	ALA	C-N-CA	-14.74	101.41	119.84
1	3A	37	ALA	CA-C-N	-14.74	101.41	119.84
1	3A	37	ALA	C-N-CA	-14.74	101.41	119.84
1	3I	37	ALA	CA-C-N	-14.74	101.41	119.84
1	3I	37	ALA	C-N-CA	-14.74	101.41	119.84
1	32	37	ALA	CA-C-N	-14.74	101.41	119.84
1	32	37	ALA	C-N-CA	-14.74	101.41	119.84
1	4E	37	ALA	CA-C-N	-14.74	101.41	119.84
1	4E	37	ALA	C-N-CA	-14.74	101.41	119.84
1	4Y	37	ALA	CA-C-N	-14.74	101.41	119.84
1	4Y	37	ALA	C-N-CA	-14.74	101.41	119.84
1	5U	37	ALA	CA-C-N	-14.74	101.41	119.84
1	5U	37	ALA	C-N-CA	-14.74	101.41	119.84
1	6M	37	ALA	CA-C-N	-14.74	101.41	119.84
1	6M	37	ALA	C-N-CA	-14.74	101.41	119.84
1	6U	37	ALA	CA-C-N	-14.74	101.41	119.84
1	6U	37	ALA	C-N-CA	-14.74	101.41	119.84
1	7E	37	ALA	CA-C-N	-14.74	101.41	119.84
1	7E	37	ALA	C-N-CA	-14.74	101.41	119.84
1	7Q	37	ALA	CA-C-N	-14.74	101.41	119.84
1	7Q	37	ALA	C-N-CA	-14.74	101.41	119.84
1	1E	37	ALA	CA-C-N	-14.73	101.43	119.84
1	1E	37	ALA	C-N-CA	-14.73	101.43	119.84
1	2M	37	ALA	CA-C-N	-14.73	101.43	119.84
1	2M	37	ALA	C-N-CA	-14.73	101.43	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22	37	ALA	CA-C-N	-14.73	101.43	119.84
1	22	37	ALA	C-N-CA	-14.73	101.43	119.84
1	3M	37	ALA	CA-C-N	-14.73	101.43	119.84
1	3M	37	ALA	C-N-CA	-14.73	101.43	119.84
1	36	37	ALA	CA-C-N	-14.73	101.43	119.84
1	36	37	ALA	C-N-CA	-14.73	101.43	119.84
1	4I	37	ALA	CA-C-N	-14.73	101.43	119.84
1	4I	37	ALA	C-N-CA	-14.73	101.43	119.84
1	4Q	37	ALA	CA-C-N	-14.73	101.43	119.84
1	4Q	37	ALA	C-N-CA	-14.73	101.43	119.84
1	5Y	37	ALA	CA-C-N	-14.73	101.43	119.84
1	5Y	37	ALA	C-N-CA	-14.73	101.43	119.84
1	6E	37	ALA	CA-C-N	-14.73	101.43	119.84
1	6E	37	ALA	C-N-CA	-14.73	101.43	119.84
1	6Y	37	ALA	CA-C-N	-14.73	101.43	119.84
1	6Y	37	ALA	C-N-CA	-14.73	101.43	119.84
1	7I	37	ALA	CA-C-N	-14.73	101.43	119.84
1	7I	37	ALA	C-N-CA	-14.73	101.43	119.84
1	7U	37	ALA	CA-C-N	-14.73	101.43	119.84
1	7U	37	ALA	C-N-CA	-14.73	101.43	119.84
2	1N	144	PHE	CA-C-N	14.72	148.20	121.70
2	1N	144	PHE	C-N-CA	14.72	148.20	121.70
2	2J	144	PHE	CA-C-N	14.72	148.20	121.70
2	2J	144	PHE	C-N-CA	14.72	148.20	121.70
2	3B	144	PHE	CA-C-N	14.72	148.20	121.70
2	3B	144	PHE	C-N-CA	14.72	148.20	121.70
2	3J	144	PHE	CA-C-N	14.72	148.20	121.70
2	3J	144	PHE	C-N-CA	14.72	148.20	121.70
2	33	144	PHE	CA-C-N	14.72	148.20	121.70
2	33	144	PHE	C-N-CA	14.72	148.20	121.70
2	4F	144	PHE	CA-C-N	14.72	148.20	121.70
2	4F	144	PHE	C-N-CA	14.72	148.20	121.70
2	4Z	144	PHE	CA-C-N	14.72	148.20	121.70
2	4Z	144	PHE	C-N-CA	14.72	148.20	121.70
2	5V	144	PHE	CA-C-N	14.72	148.20	121.70
2	5V	144	PHE	C-N-CA	14.72	148.20	121.70
2	6N	144	PHE	CA-C-N	14.72	148.20	121.70
2	6N	144	PHE	C-N-CA	14.72	148.20	121.70
2	6V	144	PHE	CA-C-N	14.72	148.20	121.70
2	6V	144	PHE	C-N-CA	14.72	148.20	121.70
2	7F	144	PHE	CA-C-N	14.72	148.20	121.70
2	7F	144	PHE	C-N-CA	14.72	148.20	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	144	PHE	CA-C-N	14.72	148.20	121.70
2	7R	144	PHE	C-N-CA	14.72	148.20	121.70
2	1B	144	PHE	CA-C-N	14.71	148.18	121.70
2	1B	144	PHE	C-N-CA	14.71	148.18	121.70
2	1J	144	PHE	CA-C-N	14.71	148.18	121.70
2	1J	144	PHE	C-N-CA	14.71	148.18	121.70
2	2F	144	PHE	CA-C-N	14.71	148.18	121.70
2	2F	144	PHE	C-N-CA	14.71	148.18	121.70
2	27	144	PHE	CA-C-N	14.71	148.18	121.70
2	27	144	PHE	C-N-CA	14.71	148.18	121.70
2	3F	144	PHE	CA-C-N	14.71	148.18	121.70
2	3F	144	PHE	C-N-CA	14.71	148.18	121.70
2	4B	144	PHE	CA-C-N	14.71	148.18	121.70
2	4B	144	PHE	C-N-CA	14.71	148.18	121.70
2	4N	144	PHE	CA-C-N	14.71	148.18	121.70
2	4N	144	PHE	C-N-CA	14.71	148.18	121.70
2	4V	144	PHE	CA-C-N	14.71	148.18	121.70
2	4V	144	PHE	C-N-CA	14.71	148.18	121.70
2	5R	144	PHE	CA-C-N	14.71	148.18	121.70
2	5R	144	PHE	C-N-CA	14.71	148.18	121.70
2	6J	144	PHE	CA-C-N	14.71	148.18	121.70
2	6J	144	PHE	C-N-CA	14.71	148.18	121.70
2	6R	144	PHE	CA-C-N	14.71	148.18	121.70
2	6R	144	PHE	C-N-CA	14.71	148.18	121.70
2	7N	144	PHE	CA-C-N	14.71	148.18	121.70
2	7N	144	PHE	C-N-CA	14.71	148.18	121.70
2	1F	144	PHE	CA-C-N	14.71	148.17	121.70
2	1F	144	PHE	C-N-CA	14.71	148.17	121.70
2	2N	144	PHE	CA-C-N	14.71	148.17	121.70
2	2N	144	PHE	C-N-CA	14.71	148.17	121.70
2	23	144	PHE	CA-C-N	14.71	148.17	121.70
2	23	144	PHE	C-N-CA	14.71	148.17	121.70
2	3N	144	PHE	CA-C-N	14.71	148.17	121.70
2	3N	144	PHE	C-N-CA	14.71	148.17	121.70
2	37	144	PHE	CA-C-N	14.71	148.17	121.70
2	37	144	PHE	C-N-CA	14.71	148.17	121.70
2	4J	144	PHE	CA-C-N	14.71	148.17	121.70
2	4J	144	PHE	C-N-CA	14.71	148.17	121.70
2	4R	144	PHE	CA-C-N	14.71	148.17	121.70
2	4R	144	PHE	C-N-CA	14.71	148.17	121.70
2	5Z	144	PHE	CA-C-N	14.71	148.17	121.70
2	5Z	144	PHE	C-N-CA	14.71	148.17	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	144	PHE	CA-C-N	14.71	148.17	121.70
2	6F	144	PHE	C-N-CA	14.71	148.17	121.70
2	6Z	144	PHE	CA-C-N	14.71	148.17	121.70
2	6Z	144	PHE	C-N-CA	14.71	148.17	121.70
2	7J	144	PHE	CA-C-N	14.71	148.17	121.70
2	7J	144	PHE	C-N-CA	14.71	148.17	121.70
2	7V	144	PHE	CA-C-N	14.71	148.17	121.70
2	7V	144	PHE	C-N-CA	14.71	148.17	121.70
2	1R	144	PHE	CA-C-N	14.70	148.16	121.70
2	1R	144	PHE	C-N-CA	14.70	148.16	121.70
2	1V	144	PHE	CA-C-N	14.70	148.16	121.70
2	1V	144	PHE	C-N-CA	14.70	148.16	121.70
2	1Z	144	PHE	CA-C-N	14.70	148.16	121.70
2	1Z	144	PHE	C-N-CA	14.70	148.16	121.70
2	2R	144	PHE	CA-C-N	14.70	148.16	121.70
2	2R	144	PHE	C-N-CA	14.70	148.16	121.70
2	2V	144	PHE	CA-C-N	14.70	148.16	121.70
2	2V	144	PHE	C-N-CA	14.70	148.16	121.70
2	2Z	144	PHE	CA-C-N	14.70	148.16	121.70
2	2Z	144	PHE	C-N-CA	14.70	148.16	121.70
2	43	144	PHE	CA-C-N	14.70	148.16	121.70
2	43	144	PHE	C-N-CA	14.70	148.16	121.70
2	47	144	PHE	CA-C-N	14.70	148.16	121.70
2	47	144	PHE	C-N-CA	14.70	148.16	121.70
2	5B	144	PHE	CA-C-N	14.70	148.16	121.70
2	5B	144	PHE	C-N-CA	14.70	148.16	121.70
2	53	144	PHE	CA-C-N	14.70	148.16	121.70
2	53	144	PHE	C-N-CA	14.70	148.16	121.70
2	57	144	PHE	CA-C-N	14.70	148.16	121.70
2	57	144	PHE	C-N-CA	14.70	148.16	121.70
2	6B	144	PHE	CA-C-N	14.70	148.16	121.70
2	6B	144	PHE	C-N-CA	14.70	148.16	121.70
2	13	144	PHE	CA-C-N	14.70	148.15	121.70
2	13	144	PHE	C-N-CA	14.70	148.15	121.70
2	17	144	PHE	CA-C-N	14.70	148.15	121.70
2	17	144	PHE	C-N-CA	14.70	148.15	121.70
2	2B	144	PHE	CA-C-N	14.70	148.15	121.70
2	2B	144	PHE	C-N-CA	14.70	148.15	121.70
2	3R	144	PHE	CA-C-N	14.70	148.15	121.70
2	3R	144	PHE	C-N-CA	14.70	148.15	121.70
2	3V	144	PHE	CA-C-N	14.70	148.15	121.70
2	3V	144	PHE	C-N-CA	14.70	148.15	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3Z	144	PHE	CA-C-N	14.70	148.15	121.70
2	3Z	144	PHE	C-N-CA	14.70	148.15	121.70
2	5F	144	PHE	CA-C-N	14.70	148.15	121.70
2	5F	144	PHE	C-N-CA	14.70	148.15	121.70
2	5J	144	PHE	CA-C-N	14.70	148.15	121.70
2	5J	144	PHE	C-N-CA	14.70	148.15	121.70
2	5N	144	PHE	CA-C-N	14.70	148.15	121.70
2	5N	144	PHE	C-N-CA	14.70	148.15	121.70
2	63	144	PHE	CA-C-N	14.70	148.15	121.70
2	63	144	PHE	C-N-CA	14.70	148.15	121.70
2	67	144	PHE	CA-C-N	14.70	148.15	121.70
2	67	144	PHE	C-N-CA	14.70	148.15	121.70
2	7B	144	PHE	CA-C-N	14.70	148.15	121.70
2	7B	144	PHE	C-N-CA	14.70	148.15	121.70
1	12	172	PHE	CA-C-O	14.69	141.51	120.51
1	16	172	PHE	CA-C-O	14.69	141.51	120.51
1	2A	172	PHE	CA-C-O	14.69	141.51	120.51
1	3Q	172	PHE	CA-C-O	14.69	141.51	120.51
1	3U	172	PHE	CA-C-O	14.69	141.51	120.51
1	3Y	172	PHE	CA-C-O	14.69	141.51	120.51
1	5E	172	PHE	CA-C-O	14.69	141.51	120.51
1	5I	172	PHE	CA-C-O	14.69	141.51	120.51
1	5M	172	PHE	CA-C-O	14.69	141.51	120.51
1	62	172	PHE	CA-C-O	14.69	141.51	120.51
1	66	172	PHE	CA-C-O	14.69	141.51	120.51
1	7A	172	PHE	CA-C-O	14.69	141.51	120.51
1	1Q	89	PHE	CA-CB-CG	14.69	128.49	113.80
1	1U	89	PHE	CA-CB-CG	14.69	128.49	113.80
1	1Y	89	PHE	CA-CB-CG	14.69	128.49	113.80
1	2Q	89	PHE	CA-CB-CG	14.69	128.49	113.80
1	2U	89	PHE	CA-CB-CG	14.69	128.49	113.80
1	2Y	89	PHE	CA-CB-CG	14.69	128.49	113.80
1	42	89	PHE	CA-CB-CG	14.69	128.49	113.80
1	46	89	PHE	CA-CB-CG	14.69	128.49	113.80
1	5A	89	PHE	CA-CB-CG	14.69	128.49	113.80
1	52	89	PHE	CA-CB-CG	14.69	128.49	113.80
1	56	89	PHE	CA-CB-CG	14.69	128.49	113.80
1	6A	89	PHE	CA-CB-CG	14.69	128.49	113.80
1	1E	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	12	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	16	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	2A	89	PHE	CA-CB-CG	14.67	128.47	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	22	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	3M	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	3Q	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	3U	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	3Y	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	36	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	4I	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	4Q	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	5E	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	5I	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	5M	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	5Y	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	6E	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	6Y	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	62	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	66	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	7A	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	7I	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	7U	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	1A	172	PHE	CA-C-O	14.67	141.49	120.51
1	1I	172	PHE	CA-C-O	14.67	141.49	120.51
1	2E	172	PHE	CA-C-O	14.67	141.49	120.51
1	26	172	PHE	CA-C-O	14.67	141.49	120.51
1	3E	172	PHE	CA-C-O	14.67	141.49	120.51
1	4A	172	PHE	CA-C-O	14.67	141.49	120.51
1	4M	172	PHE	CA-C-O	14.67	141.49	120.51
1	4U	172	PHE	CA-C-O	14.67	141.49	120.51
1	5Q	172	PHE	CA-C-O	14.67	141.49	120.51
1	6I	172	PHE	CA-C-O	14.67	141.49	120.51
1	6Q	172	PHE	CA-C-O	14.67	141.49	120.51
1	7M	172	PHE	CA-C-O	14.67	141.49	120.51
1	1M	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	2I	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	3A	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	3I	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	32	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	4E	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	4Y	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	5U	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	6M	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	6U	89	PHE	CA-CB-CG	14.67	128.47	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	7Q	89	PHE	CA-CB-CG	14.67	128.47	113.80
1	1M	172	PHE	CA-C-O	14.66	141.48	120.51
1	1Q	156	SER	O-C-N	14.66	142.09	122.59
1	1U	156	SER	O-C-N	14.66	142.09	122.59
1	1Y	156	SER	O-C-N	14.66	142.09	122.59
1	2I	172	PHE	CA-C-O	14.66	141.48	120.51
1	2Q	156	SER	O-C-N	14.66	142.09	122.59
1	2U	156	SER	O-C-N	14.66	142.09	122.59
1	2Y	156	SER	O-C-N	14.66	142.09	122.59
1	3A	172	PHE	CA-C-O	14.66	141.48	120.51
1	3I	172	PHE	CA-C-O	14.66	141.48	120.51
1	32	172	PHE	CA-C-O	14.66	141.48	120.51
1	4E	172	PHE	CA-C-O	14.66	141.48	120.51
1	4Y	172	PHE	CA-C-O	14.66	141.48	120.51
1	42	156	SER	O-C-N	14.66	142.09	122.59
1	46	156	SER	O-C-N	14.66	142.09	122.59
1	5A	156	SER	O-C-N	14.66	142.09	122.59
1	5U	172	PHE	CA-C-O	14.66	141.48	120.51
1	52	156	SER	O-C-N	14.66	142.09	122.59
1	56	156	SER	O-C-N	14.66	142.09	122.59
1	6A	156	SER	O-C-N	14.66	142.09	122.59
1	6M	172	PHE	CA-C-O	14.66	141.48	120.51
1	6U	172	PHE	CA-C-O	14.66	141.48	120.51
1	7E	172	PHE	CA-C-O	14.66	141.48	120.51
1	7Q	172	PHE	CA-C-O	14.66	141.48	120.51
1	1M	156	SER	O-C-N	14.66	142.08	122.59
1	2I	156	SER	O-C-N	14.66	142.08	122.59
1	3A	156	SER	O-C-N	14.66	142.08	122.59
1	3I	156	SER	O-C-N	14.66	142.08	122.59
1	32	156	SER	O-C-N	14.66	142.08	122.59
1	4E	156	SER	O-C-N	14.66	142.08	122.59
1	4Y	156	SER	O-C-N	14.66	142.08	122.59
1	5U	156	SER	O-C-N	14.66	142.08	122.59
1	6M	156	SER	O-C-N	14.66	142.08	122.59
1	6U	156	SER	O-C-N	14.66	142.08	122.59
1	7E	156	SER	O-C-N	14.66	142.08	122.59
1	7Q	156	SER	O-C-N	14.66	142.08	122.59
1	1A	89	PHE	CA-CB-CG	14.65	128.46	113.80
1	1I	89	PHE	CA-CB-CG	14.65	128.46	113.80
1	2E	89	PHE	CA-CB-CG	14.65	128.46	113.80
1	26	89	PHE	CA-CB-CG	14.65	128.46	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	89	PHE	CA-CB-CG	14.65	128.46	113.80
1	4A	89	PHE	CA-CB-CG	14.65	128.46	113.80
1	4M	89	PHE	CA-CB-CG	14.65	128.46	113.80
1	4U	89	PHE	CA-CB-CG	14.65	128.46	113.80
1	5Q	89	PHE	CA-CB-CG	14.65	128.46	113.80
1	6I	89	PHE	CA-CB-CG	14.65	128.46	113.80
1	6Q	89	PHE	CA-CB-CG	14.65	128.46	113.80
1	7M	89	PHE	CA-CB-CG	14.65	128.46	113.80
1	1Q	172	PHE	CA-C-O	14.65	141.46	120.51
1	1U	172	PHE	CA-C-O	14.65	141.46	120.51
1	1Y	172	PHE	CA-C-O	14.65	141.46	120.51
1	2Q	172	PHE	CA-C-O	14.65	141.46	120.51
1	2U	172	PHE	CA-C-O	14.65	141.46	120.51
1	2Y	172	PHE	CA-C-O	14.65	141.46	120.51
1	42	172	PHE	CA-C-O	14.65	141.46	120.51
1	46	172	PHE	CA-C-O	14.65	141.46	120.51
1	5A	172	PHE	CA-C-O	14.65	141.46	120.51
1	52	172	PHE	CA-C-O	14.65	141.46	120.51
1	56	172	PHE	CA-C-O	14.65	141.46	120.51
1	6A	172	PHE	CA-C-O	14.65	141.46	120.51
1	1A	156	SER	O-C-N	14.64	142.07	122.59
1	1E	172	PHE	CA-C-O	14.64	141.45	120.51
1	1I	156	SER	O-C-N	14.64	142.07	122.59
1	2E	156	SER	O-C-N	14.64	142.07	122.59
1	2M	172	PHE	CA-C-O	14.64	141.45	120.51
1	22	172	PHE	CA-C-O	14.64	141.45	120.51
1	26	156	SER	O-C-N	14.64	142.07	122.59
1	3E	156	SER	O-C-N	14.64	142.07	122.59
1	3M	172	PHE	CA-C-O	14.64	141.45	120.51
1	36	172	PHE	CA-C-O	14.64	141.45	120.51
1	4A	156	SER	O-C-N	14.64	142.07	122.59
1	4I	172	PHE	CA-C-O	14.64	141.45	120.51
1	4M	156	SER	O-C-N	14.64	142.07	122.59
1	4Q	172	PHE	CA-C-O	14.64	141.45	120.51
1	4U	156	SER	O-C-N	14.64	142.07	122.59
1	5Q	156	SER	O-C-N	14.64	142.07	122.59
1	5Y	172	PHE	CA-C-O	14.64	141.45	120.51
1	6E	172	PHE	CA-C-O	14.64	141.45	120.51
1	6I	156	SER	O-C-N	14.64	142.07	122.59
1	6Q	156	SER	O-C-N	14.64	142.07	122.59
1	6Y	172	PHE	CA-C-O	14.64	141.45	120.51
1	7I	172	PHE	CA-C-O	14.64	141.45	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	156	SER	O-C-N	14.64	142.07	122.59
1	7U	172	PHE	CA-C-O	14.64	141.45	120.51
1	1E	156	SER	O-C-N	14.64	142.06	122.59
1	2M	156	SER	O-C-N	14.64	142.06	122.59
1	22	156	SER	O-C-N	14.64	142.06	122.59
1	3M	156	SER	O-C-N	14.64	142.06	122.59
1	36	156	SER	O-C-N	14.64	142.06	122.59
1	4I	156	SER	O-C-N	14.64	142.06	122.59
1	4Q	156	SER	O-C-N	14.64	142.06	122.59
1	5Y	156	SER	O-C-N	14.64	142.06	122.59
1	6E	156	SER	O-C-N	14.64	142.06	122.59
1	6Y	156	SER	O-C-N	14.64	142.06	122.59
1	7I	156	SER	O-C-N	14.64	142.06	122.59
1	7U	156	SER	O-C-N	14.64	142.06	122.59
1	12	156	SER	O-C-N	14.64	142.06	122.59
1	16	156	SER	O-C-N	14.64	142.06	122.59
1	2A	156	SER	O-C-N	14.64	142.06	122.59
1	3Q	156	SER	O-C-N	14.64	142.06	122.59
1	3U	156	SER	O-C-N	14.64	142.06	122.59
1	3Y	156	SER	O-C-N	14.64	142.06	122.59
1	5E	156	SER	O-C-N	14.64	142.06	122.59
1	5I	156	SER	O-C-N	14.64	142.06	122.59
1	5M	156	SER	O-C-N	14.64	142.06	122.59
1	62	156	SER	O-C-N	14.64	142.06	122.59
1	66	156	SER	O-C-N	14.64	142.06	122.59
1	7A	156	SER	O-C-N	14.64	142.06	122.59
2	1F	69	SER	CB-CA-C	-14.59	79.81	110.31
2	2N	69	SER	CB-CA-C	-14.59	79.81	110.31
2	23	69	SER	CB-CA-C	-14.59	79.81	110.31
2	3N	69	SER	CB-CA-C	-14.59	79.81	110.31
2	37	69	SER	CB-CA-C	-14.59	79.81	110.31
2	4J	69	SER	CB-CA-C	-14.59	79.81	110.31
2	4R	69	SER	CB-CA-C	-14.59	79.81	110.31
2	5Z	69	SER	CB-CA-C	-14.59	79.81	110.31
2	6F	69	SER	CB-CA-C	-14.59	79.81	110.31
2	6Z	69	SER	CB-CA-C	-14.59	79.81	110.31
2	7J	69	SER	CB-CA-C	-14.59	79.81	110.31
2	7V	69	SER	CB-CA-C	-14.59	79.81	110.31
1	1A	65	PHE	CA-CB-CG	-14.59	99.22	113.80
1	1I	65	PHE	CA-CB-CG	-14.59	99.22	113.80
1	2E	65	PHE	CA-CB-CG	-14.59	99.22	113.80
1	26	65	PHE	CA-CB-CG	-14.59	99.22	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	65	PHE	CA-CB-CG	-14.59	99.22	113.80
1	4A	65	PHE	CA-CB-CG	-14.59	99.22	113.80
1	4M	65	PHE	CA-CB-CG	-14.59	99.22	113.80
1	4U	65	PHE	CA-CB-CG	-14.59	99.22	113.80
1	5Q	65	PHE	CA-CB-CG	-14.59	99.22	113.80
1	6I	65	PHE	CA-CB-CG	-14.59	99.22	113.80
1	6Q	65	PHE	CA-CB-CG	-14.59	99.22	113.80
1	7M	65	PHE	CA-CB-CG	-14.59	99.22	113.80
1	1A	80	PHE	CG-CD2-CE2	14.58	145.49	120.70
1	1I	80	PHE	CG-CD2-CE2	14.58	145.49	120.70
2	13	69	SER	CB-CA-C	-14.58	79.84	110.31
2	17	69	SER	CB-CA-C	-14.58	79.84	110.31
2	2B	69	SER	CB-CA-C	-14.58	79.84	110.31
1	2E	80	PHE	CG-CD2-CE2	14.58	145.49	120.70
1	26	80	PHE	CG-CD2-CE2	14.58	145.49	120.70
1	3E	80	PHE	CG-CD2-CE2	14.58	145.49	120.70
2	3R	69	SER	CB-CA-C	-14.58	79.84	110.31
2	3V	69	SER	CB-CA-C	-14.58	79.84	110.31
2	3Z	69	SER	CB-CA-C	-14.58	79.84	110.31
1	4A	80	PHE	CG-CD2-CE2	14.58	145.49	120.70
1	4M	80	PHE	CG-CD2-CE2	14.58	145.49	120.70
1	4U	80	PHE	CG-CD2-CE2	14.58	145.49	120.70
2	5F	69	SER	CB-CA-C	-14.58	79.84	110.31
2	5J	69	SER	CB-CA-C	-14.58	79.84	110.31
2	5N	69	SER	CB-CA-C	-14.58	79.84	110.31
1	5Q	80	PHE	CG-CD2-CE2	14.58	145.49	120.70
1	6I	80	PHE	CG-CD2-CE2	14.58	145.49	120.70
1	6Q	80	PHE	CG-CD2-CE2	14.58	145.49	120.70
2	63	69	SER	CB-CA-C	-14.58	79.84	110.31
2	67	69	SER	CB-CA-C	-14.58	79.84	110.31
2	7B	69	SER	CB-CA-C	-14.58	79.84	110.31
1	7M	80	PHE	CG-CD2-CE2	14.58	145.49	120.70
2	1B	69	SER	CB-CA-C	-14.58	79.84	110.31
2	1J	69	SER	CB-CA-C	-14.58	79.84	110.31
1	12	80	PHE	CG-CD2-CE2	14.58	145.48	120.70
1	16	80	PHE	CG-CD2-CE2	14.58	145.48	120.70
1	2A	80	PHE	CG-CD2-CE2	14.58	145.48	120.70
2	2F	69	SER	CB-CA-C	-14.58	79.84	110.31
2	27	69	SER	CB-CA-C	-14.58	79.84	110.31
2	3F	69	SER	CB-CA-C	-14.58	79.84	110.31
1	3Q	80	PHE	CG-CD2-CE2	14.58	145.48	120.70
1	3U	80	PHE	CG-CD2-CE2	14.58	145.48	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Y	80	PHE	CG-CD2-CE2	14.58	145.48	120.70
2	4B	69	SER	CB-CA-C	-14.58	79.84	110.31
2	4N	69	SER	CB-CA-C	-14.58	79.84	110.31
2	4V	69	SER	CB-CA-C	-14.58	79.84	110.31
1	5E	80	PHE	CG-CD2-CE2	14.58	145.48	120.70
1	5I	80	PHE	CG-CD2-CE2	14.58	145.48	120.70
1	5M	80	PHE	CG-CD2-CE2	14.58	145.48	120.70
2	5R	69	SER	CB-CA-C	-14.58	79.84	110.31
2	6J	69	SER	CB-CA-C	-14.58	79.84	110.31
2	6R	69	SER	CB-CA-C	-14.58	79.84	110.31
1	62	80	PHE	CG-CD2-CE2	14.58	145.48	120.70
1	66	80	PHE	CG-CD2-CE2	14.58	145.48	120.70
1	7A	80	PHE	CG-CD2-CE2	14.58	145.48	120.70
2	7N	69	SER	CB-CA-C	-14.58	79.84	110.31
2	1R	79	VAL	O-C-N	-14.58	104.35	122.57
2	1V	79	VAL	O-C-N	-14.58	104.35	122.57
2	1Z	79	VAL	O-C-N	-14.58	104.35	122.57
2	2R	79	VAL	O-C-N	-14.58	104.35	122.57
2	2V	79	VAL	O-C-N	-14.58	104.35	122.57
2	2Z	79	VAL	O-C-N	-14.58	104.35	122.57
2	43	79	VAL	O-C-N	-14.58	104.35	122.57
2	47	79	VAL	O-C-N	-14.58	104.35	122.57
2	5B	79	VAL	O-C-N	-14.58	104.35	122.57
2	53	79	VAL	O-C-N	-14.58	104.35	122.57
2	57	79	VAL	O-C-N	-14.58	104.35	122.57
2	6B	79	VAL	O-C-N	-14.58	104.35	122.57
2	1N	79	VAL	O-C-N	-14.57	104.35	122.57
1	1Q	65	PHE	CA-CB-CG	-14.57	99.22	113.80
2	1R	69	SER	CB-CA-C	-14.57	79.85	110.31
1	1U	65	PHE	CA-CB-CG	-14.57	99.22	113.80
2	1V	69	SER	CB-CA-C	-14.57	79.85	110.31
1	1Y	65	PHE	CA-CB-CG	-14.57	99.22	113.80
2	1Z	69	SER	CB-CA-C	-14.57	79.85	110.31
2	2J	79	VAL	O-C-N	-14.57	104.35	122.57
1	2Q	65	PHE	CA-CB-CG	-14.57	99.22	113.80
2	2R	69	SER	CB-CA-C	-14.57	79.85	110.31
1	2U	65	PHE	CA-CB-CG	-14.57	99.22	113.80
2	2V	69	SER	CB-CA-C	-14.57	79.85	110.31
1	2Y	65	PHE	CA-CB-CG	-14.57	99.22	113.80
2	2Z	69	SER	CB-CA-C	-14.57	79.85	110.31
2	3B	79	VAL	O-C-N	-14.57	104.35	122.57
2	3J	79	VAL	O-C-N	-14.57	104.35	122.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	79	VAL	O-C-N	-14.57	104.35	122.57
2	4F	79	VAL	O-C-N	-14.57	104.35	122.57
2	4Z	79	VAL	O-C-N	-14.57	104.35	122.57
1	42	65	PHE	CA-CB-CG	-14.57	99.22	113.80
2	43	69	SER	CB-CA-C	-14.57	79.85	110.31
1	46	65	PHE	CA-CB-CG	-14.57	99.22	113.80
2	47	69	SER	CB-CA-C	-14.57	79.85	110.31
1	5A	65	PHE	CA-CB-CG	-14.57	99.22	113.80
2	5B	69	SER	CB-CA-C	-14.57	79.85	110.31
2	5V	79	VAL	O-C-N	-14.57	104.35	122.57
1	52	65	PHE	CA-CB-CG	-14.57	99.22	113.80
2	53	69	SER	CB-CA-C	-14.57	79.85	110.31
1	56	65	PHE	CA-CB-CG	-14.57	99.22	113.80
2	57	69	SER	CB-CA-C	-14.57	79.85	110.31
1	6A	65	PHE	CA-CB-CG	-14.57	99.22	113.80
2	6B	69	SER	CB-CA-C	-14.57	79.85	110.31
2	6N	79	VAL	O-C-N	-14.57	104.35	122.57
2	6V	79	VAL	O-C-N	-14.57	104.35	122.57
2	7F	79	VAL	O-C-N	-14.57	104.35	122.57
2	7R	79	VAL	O-C-N	-14.57	104.35	122.57
2	1N	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
1	1Q	80	PHE	CG-CD2-CE2	14.57	145.47	120.70
1	1U	80	PHE	CG-CD2-CE2	14.57	145.47	120.70
1	1Y	80	PHE	CG-CD2-CE2	14.57	145.47	120.70
2	2J	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
1	2Q	80	PHE	CG-CD2-CE2	14.57	145.47	120.70
1	2U	80	PHE	CG-CD2-CE2	14.57	145.47	120.70
1	2Y	80	PHE	CG-CD2-CE2	14.57	145.47	120.70
2	3B	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	3J	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	33	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	4F	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	4Z	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
1	42	80	PHE	CG-CD2-CE2	14.57	145.47	120.70
1	46	80	PHE	CG-CD2-CE2	14.57	145.47	120.70
1	5A	80	PHE	CG-CD2-CE2	14.57	145.47	120.70
2	5V	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
1	52	80	PHE	CG-CD2-CE2	14.57	145.47	120.70
1	56	80	PHE	CG-CD2-CE2	14.57	145.47	120.70
1	6A	80	PHE	CG-CD2-CE2	14.57	145.47	120.70
2	6N	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	6V	41	PHE	CB-CG-CD2	-14.57	95.93	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	7R	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	1N	69	SER	CB-CA-C	-14.57	79.86	110.31
2	13	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	17	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	2B	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	2J	69	SER	CB-CA-C	-14.57	79.86	110.31
2	3B	69	SER	CB-CA-C	-14.57	79.86	110.31
2	3J	69	SER	CB-CA-C	-14.57	79.86	110.31
2	3R	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	3V	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	3Z	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	33	69	SER	CB-CA-C	-14.57	79.86	110.31
2	4F	69	SER	CB-CA-C	-14.57	79.86	110.31
2	4Z	69	SER	CB-CA-C	-14.57	79.86	110.31
2	5F	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	5J	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	5N	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	5V	69	SER	CB-CA-C	-14.57	79.86	110.31
2	6N	69	SER	CB-CA-C	-14.57	79.86	110.31
2	6V	69	SER	CB-CA-C	-14.57	79.86	110.31
2	63	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	67	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	7B	41	PHE	CB-CG-CD2	-14.57	95.93	120.70
2	7F	69	SER	CB-CA-C	-14.57	79.86	110.31
2	7R	69	SER	CB-CA-C	-14.57	79.86	110.31
2	1F	41	PHE	CB-CG-CD2	-14.56	95.94	120.70
2	2N	41	PHE	CB-CG-CD2	-14.56	95.94	120.70
2	23	41	PHE	CB-CG-CD2	-14.56	95.94	120.70
2	3N	41	PHE	CB-CG-CD2	-14.56	95.94	120.70
2	37	41	PHE	CB-CG-CD2	-14.56	95.94	120.70
2	4J	41	PHE	CB-CG-CD2	-14.56	95.94	120.70
2	4R	41	PHE	CB-CG-CD2	-14.56	95.94	120.70
2	5Z	41	PHE	CB-CG-CD2	-14.56	95.94	120.70
2	6F	41	PHE	CB-CG-CD2	-14.56	95.94	120.70
2	6Z	41	PHE	CB-CG-CD2	-14.56	95.94	120.70
2	7J	41	PHE	CB-CG-CD2	-14.56	95.94	120.70
2	7V	41	PHE	CB-CG-CD2	-14.56	95.94	120.70
1	1M	80	PHE	CG-CD2-CE2	14.56	145.46	120.70
1	2I	80	PHE	CG-CD2-CE2	14.56	145.46	120.70
1	3A	80	PHE	CG-CD2-CE2	14.56	145.46	120.70
1	3I	80	PHE	CG-CD2-CE2	14.56	145.46	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	80	PHE	CG-CD2-CE2	14.56	145.46	120.70
1	4E	80	PHE	CG-CD2-CE2	14.56	145.46	120.70
1	4Y	80	PHE	CG-CD2-CE2	14.56	145.46	120.70
1	5U	80	PHE	CG-CD2-CE2	14.56	145.46	120.70
1	6M	80	PHE	CG-CD2-CE2	14.56	145.46	120.70
1	6U	80	PHE	CG-CD2-CE2	14.56	145.46	120.70
1	7E	80	PHE	CG-CD2-CE2	14.56	145.46	120.70
1	7Q	80	PHE	CG-CD2-CE2	14.56	145.46	120.70
1	1E	80	PHE	CG-CD2-CE2	14.56	145.45	120.70
2	13	79	VAL	O-C-N	-14.56	104.37	122.57
2	17	79	VAL	O-C-N	-14.56	104.37	122.57
2	2B	79	VAL	O-C-N	-14.56	104.37	122.57
1	2M	80	PHE	CG-CD2-CE2	14.56	145.45	120.70
1	22	80	PHE	CG-CD2-CE2	14.56	145.45	120.70
1	3M	80	PHE	CG-CD2-CE2	14.56	145.45	120.70
2	3R	79	VAL	O-C-N	-14.56	104.37	122.57
2	3V	79	VAL	O-C-N	-14.56	104.37	122.57
2	3Z	79	VAL	O-C-N	-14.56	104.37	122.57
1	36	80	PHE	CG-CD2-CE2	14.56	145.45	120.70
1	4I	80	PHE	CG-CD2-CE2	14.56	145.45	120.70
1	4Q	80	PHE	CG-CD2-CE2	14.56	145.45	120.70
2	5F	79	VAL	O-C-N	-14.56	104.37	122.57
2	5J	79	VAL	O-C-N	-14.56	104.37	122.57
2	5N	79	VAL	O-C-N	-14.56	104.37	122.57
1	5Y	80	PHE	CG-CD2-CE2	14.56	145.45	120.70
1	6E	80	PHE	CG-CD2-CE2	14.56	145.45	120.70
1	6Y	80	PHE	CG-CD2-CE2	14.56	145.45	120.70
2	63	79	VAL	O-C-N	-14.56	104.37	122.57
2	67	79	VAL	O-C-N	-14.56	104.37	122.57
2	7B	79	VAL	O-C-N	-14.56	104.37	122.57
1	7I	80	PHE	CG-CD2-CE2	14.56	145.45	120.70
1	7U	80	PHE	CG-CD2-CE2	14.56	145.45	120.70
2	1F	79	VAL	O-C-N	-14.56	104.37	122.57
2	2N	79	VAL	O-C-N	-14.56	104.37	122.57
2	23	79	VAL	O-C-N	-14.56	104.37	122.57
2	3N	79	VAL	O-C-N	-14.56	104.37	122.57
2	37	79	VAL	O-C-N	-14.56	104.37	122.57
2	4J	79	VAL	O-C-N	-14.56	104.37	122.57
2	4R	79	VAL	O-C-N	-14.56	104.37	122.57
2	5Z	79	VAL	O-C-N	-14.56	104.37	122.57
2	6F	79	VAL	O-C-N	-14.56	104.37	122.57
2	6Z	79	VAL	O-C-N	-14.56	104.37	122.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	79	VAL	O-C-N	-14.56	104.37	122.57
2	7V	79	VAL	O-C-N	-14.56	104.37	122.57
2	1B	41	PHE	CB-CG-CD2	-14.56	95.95	120.70
2	1J	41	PHE	CB-CG-CD2	-14.56	95.95	120.70
2	2F	41	PHE	CB-CG-CD2	-14.56	95.95	120.70
2	27	41	PHE	CB-CG-CD2	-14.56	95.95	120.70
2	3F	41	PHE	CB-CG-CD2	-14.56	95.95	120.70
2	4B	41	PHE	CB-CG-CD2	-14.56	95.95	120.70
2	4N	41	PHE	CB-CG-CD2	-14.56	95.95	120.70
2	4V	41	PHE	CB-CG-CD2	-14.56	95.95	120.70
2	5R	41	PHE	CB-CG-CD2	-14.56	95.95	120.70
2	6J	41	PHE	CB-CG-CD2	-14.56	95.95	120.70
2	6R	41	PHE	CB-CG-CD2	-14.56	95.95	120.70
2	7N	41	PHE	CB-CG-CD2	-14.56	95.95	120.70
2	1R	41	PHE	CB-CG-CD2	-14.55	95.96	120.70
2	1R	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	1V	41	PHE	CB-CG-CD2	-14.55	95.96	120.70
2	1V	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	1Z	41	PHE	CB-CG-CD2	-14.55	95.96	120.70
2	1Z	54	ASN	CA-CB-CG	-14.55	98.05	112.60
1	12	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	16	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	2A	65	PHE	CA-CB-CG	-14.55	99.25	113.80
2	2R	41	PHE	CB-CG-CD2	-14.55	95.96	120.70
2	2R	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	2V	41	PHE	CB-CG-CD2	-14.55	95.96	120.70
2	2V	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	2Z	41	PHE	CB-CG-CD2	-14.55	95.96	120.70
2	2Z	54	ASN	CA-CB-CG	-14.55	98.05	112.60
1	3Q	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	3U	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	3Y	65	PHE	CA-CB-CG	-14.55	99.25	113.80
2	43	41	PHE	CB-CG-CD2	-14.55	95.96	120.70
2	43	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	47	41	PHE	CB-CG-CD2	-14.55	95.96	120.70
2	47	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	5B	41	PHE	CB-CG-CD2	-14.55	95.96	120.70
2	5B	54	ASN	CA-CB-CG	-14.55	98.05	112.60
1	5E	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	5I	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	5M	65	PHE	CA-CB-CG	-14.55	99.25	113.80
2	53	41	PHE	CB-CG-CD2	-14.55	95.96	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	53	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	57	41	PHE	CB-CG-CD2	-14.55	95.96	120.70
2	57	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	6B	41	PHE	CB-CG-CD2	-14.55	95.96	120.70
2	6B	54	ASN	CA-CB-CG	-14.55	98.05	112.60
1	62	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	66	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	7A	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	1E	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	1M	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	2I	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	2M	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	22	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	3A	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	3I	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	3M	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	32	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	36	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	4E	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	4I	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	4Q	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	4Y	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	5U	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	5Y	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	6E	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	6M	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	6U	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	6Y	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	7E	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	7I	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	7Q	65	PHE	CA-CB-CG	-14.55	99.25	113.80
1	7U	65	PHE	CA-CB-CG	-14.55	99.25	113.80
2	1B	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	1J	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	2F	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	27	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	3F	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	4B	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	4N	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	4V	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	5R	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	6J	54	ASN	CA-CB-CG	-14.55	98.05	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	7N	54	ASN	CA-CB-CG	-14.55	98.05	112.60
2	1B	79	VAL	O-C-N	-14.54	104.39	122.57
2	1F	54	ASN	CA-CB-CG	-14.54	98.06	112.60
2	1J	79	VAL	O-C-N	-14.54	104.39	122.57
2	2F	79	VAL	O-C-N	-14.54	104.39	122.57
2	2N	54	ASN	CA-CB-CG	-14.54	98.06	112.60
2	23	54	ASN	CA-CB-CG	-14.54	98.06	112.60
2	27	79	VAL	O-C-N	-14.54	104.39	122.57
2	3F	79	VAL	O-C-N	-14.54	104.39	122.57
2	3N	54	ASN	CA-CB-CG	-14.54	98.06	112.60
2	37	54	ASN	CA-CB-CG	-14.54	98.06	112.60
2	4B	79	VAL	O-C-N	-14.54	104.39	122.57
2	4J	54	ASN	CA-CB-CG	-14.54	98.06	112.60
2	4N	79	VAL	O-C-N	-14.54	104.39	122.57
2	4R	54	ASN	CA-CB-CG	-14.54	98.06	112.60
2	4V	79	VAL	O-C-N	-14.54	104.39	122.57
2	5R	79	VAL	O-C-N	-14.54	104.39	122.57
2	5Z	54	ASN	CA-CB-CG	-14.54	98.06	112.60
2	6F	54	ASN	CA-CB-CG	-14.54	98.06	112.60
2	6J	79	VAL	O-C-N	-14.54	104.39	122.57
2	6R	79	VAL	O-C-N	-14.54	104.39	122.57
2	6Z	54	ASN	CA-CB-CG	-14.54	98.06	112.60
2	7J	54	ASN	CA-CB-CG	-14.54	98.06	112.60
2	7N	79	VAL	O-C-N	-14.54	104.39	122.57
2	7V	54	ASN	CA-CB-CG	-14.54	98.06	112.60
2	13	54	ASN	CA-CB-CG	-14.53	98.07	112.60
2	17	54	ASN	CA-CB-CG	-14.53	98.07	112.60
2	2B	54	ASN	CA-CB-CG	-14.53	98.07	112.60
2	3R	54	ASN	CA-CB-CG	-14.53	98.07	112.60
2	3V	54	ASN	CA-CB-CG	-14.53	98.07	112.60
2	3Z	54	ASN	CA-CB-CG	-14.53	98.07	112.60
2	5F	54	ASN	CA-CB-CG	-14.53	98.07	112.60
2	5J	54	ASN	CA-CB-CG	-14.53	98.07	112.60
2	5N	54	ASN	CA-CB-CG	-14.53	98.07	112.60
2	63	54	ASN	CA-CB-CG	-14.53	98.07	112.60
2	67	54	ASN	CA-CB-CG	-14.53	98.07	112.60
2	7B	54	ASN	CA-CB-CG	-14.53	98.07	112.60
2	1N	54	ASN	CA-CB-CG	-14.52	98.08	112.60
2	2J	54	ASN	CA-CB-CG	-14.52	98.08	112.60
2	3B	54	ASN	CA-CB-CG	-14.52	98.08	112.60
2	3J	54	ASN	CA-CB-CG	-14.52	98.08	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	54	ASN	CA-CB-CG	-14.52	98.08	112.60
2	4F	54	ASN	CA-CB-CG	-14.52	98.08	112.60
2	4Z	54	ASN	CA-CB-CG	-14.52	98.08	112.60
2	5V	54	ASN	CA-CB-CG	-14.52	98.08	112.60
2	6N	54	ASN	CA-CB-CG	-14.52	98.08	112.60
2	6V	54	ASN	CA-CB-CG	-14.52	98.08	112.60
2	7F	54	ASN	CA-CB-CG	-14.52	98.08	112.60
2	7R	54	ASN	CA-CB-CG	-14.52	98.08	112.60
1	1E	79	THR	CA-CB-OG1	-14.50	87.85	109.60
1	2M	79	THR	CA-CB-OG1	-14.50	87.85	109.60
1	22	79	THR	CA-CB-OG1	-14.50	87.85	109.60
1	3M	79	THR	CA-CB-OG1	-14.50	87.85	109.60
1	36	79	THR	CA-CB-OG1	-14.50	87.85	109.60
1	4I	79	THR	CA-CB-OG1	-14.50	87.85	109.60
1	4Q	79	THR	CA-CB-OG1	-14.50	87.85	109.60
1	5Y	79	THR	CA-CB-OG1	-14.50	87.85	109.60
1	6E	79	THR	CA-CB-OG1	-14.50	87.85	109.60
1	6Y	79	THR	CA-CB-OG1	-14.50	87.85	109.60
1	7I	79	THR	CA-CB-OG1	-14.50	87.85	109.60
1	7U	79	THR	CA-CB-OG1	-14.50	87.85	109.60
1	1A	79	THR	CA-CB-OG1	-14.50	87.86	109.60
1	1I	79	THR	CA-CB-OG1	-14.50	87.86	109.60
1	2E	79	THR	CA-CB-OG1	-14.50	87.86	109.60
1	26	79	THR	CA-CB-OG1	-14.50	87.86	109.60
1	3E	79	THR	CA-CB-OG1	-14.50	87.86	109.60
1	4A	79	THR	CA-CB-OG1	-14.50	87.86	109.60
1	4M	79	THR	CA-CB-OG1	-14.50	87.86	109.60
1	4U	79	THR	CA-CB-OG1	-14.50	87.86	109.60
1	5Q	79	THR	CA-CB-OG1	-14.50	87.86	109.60
1	6I	79	THR	CA-CB-OG1	-14.50	87.86	109.60
1	6Q	79	THR	CA-CB-OG1	-14.50	87.86	109.60
1	7M	79	THR	CA-CB-OG1	-14.50	87.86	109.60
2	1B	22	GLN	CG-CD-OE1	-14.49	91.82	120.80
2	1J	22	GLN	CG-CD-OE1	-14.49	91.82	120.80
2	2F	22	GLN	CG-CD-OE1	-14.49	91.82	120.80
2	27	22	GLN	CG-CD-OE1	-14.49	91.82	120.80
2	3F	22	GLN	CG-CD-OE1	-14.49	91.82	120.80
2	4B	22	GLN	CG-CD-OE1	-14.49	91.82	120.80
2	4N	22	GLN	CG-CD-OE1	-14.49	91.82	120.80
2	4V	22	GLN	CG-CD-OE1	-14.49	91.82	120.80
2	5R	22	GLN	CG-CD-OE1	-14.49	91.82	120.80
2	6J	22	GLN	CG-CD-OE1	-14.49	91.82	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	22	GLN	CG-CD-OE1	-14.49	91.82	120.80
2	7N	22	GLN	CG-CD-OE1	-14.49	91.82	120.80
2	1R	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	1V	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	1Z	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	2R	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	2V	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	2Z	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	43	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	47	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	5B	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	53	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	57	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	6B	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	1N	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	2J	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	3B	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	3J	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	33	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	4F	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	4Z	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	5V	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	6N	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	6V	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	7F	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	7R	22	GLN	CG-CD-OE1	-14.48	91.84	120.80
2	13	22	GLN	CG-CD-OE1	-14.47	91.85	120.80
2	17	22	GLN	CG-CD-OE1	-14.47	91.85	120.80
2	2B	22	GLN	CG-CD-OE1	-14.47	91.85	120.80
2	3R	22	GLN	CG-CD-OE1	-14.47	91.85	120.80
2	3V	22	GLN	CG-CD-OE1	-14.47	91.85	120.80
2	3Z	22	GLN	CG-CD-OE1	-14.47	91.85	120.80
2	5F	22	GLN	CG-CD-OE1	-14.47	91.85	120.80
2	5J	22	GLN	CG-CD-OE1	-14.47	91.85	120.80
2	5N	22	GLN	CG-CD-OE1	-14.47	91.85	120.80
2	63	22	GLN	CG-CD-OE1	-14.47	91.85	120.80
2	67	22	GLN	CG-CD-OE1	-14.47	91.85	120.80
2	7B	22	GLN	CG-CD-OE1	-14.47	91.85	120.80
1	1M	79	THR	CA-CB-OG1	-14.47	87.90	109.60
1	2I	79	THR	CA-CB-OG1	-14.47	87.90	109.60
1	3A	79	THR	CA-CB-OG1	-14.47	87.90	109.60
1	3I	79	THR	CA-CB-OG1	-14.47	87.90	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	79	THR	CA-CB-OG1	-14.47	87.90	109.60
1	4E	79	THR	CA-CB-OG1	-14.47	87.90	109.60
1	4Y	79	THR	CA-CB-OG1	-14.47	87.90	109.60
1	5U	79	THR	CA-CB-OG1	-14.47	87.90	109.60
1	6M	79	THR	CA-CB-OG1	-14.47	87.90	109.60
1	6U	79	THR	CA-CB-OG1	-14.47	87.90	109.60
1	7E	79	THR	CA-CB-OG1	-14.47	87.90	109.60
1	7Q	79	THR	CA-CB-OG1	-14.47	87.90	109.60
2	1B	9	VAL	CA-C-N	-14.47	93.91	121.54
2	1B	9	VAL	C-N-CA	-14.47	93.91	121.54
2	1F	22	GLN	CG-CD-OE1	-14.47	91.86	120.80
2	1J	9	VAL	CA-C-N	-14.47	93.91	121.54
2	1J	9	VAL	C-N-CA	-14.47	93.91	121.54
2	2F	9	VAL	CA-C-N	-14.47	93.91	121.54
2	2F	9	VAL	C-N-CA	-14.47	93.91	121.54
2	2N	22	GLN	CG-CD-OE1	-14.47	91.86	120.80
2	23	22	GLN	CG-CD-OE1	-14.47	91.86	120.80
2	27	9	VAL	CA-C-N	-14.47	93.91	121.54
2	27	9	VAL	C-N-CA	-14.47	93.91	121.54
2	3F	9	VAL	CA-C-N	-14.47	93.91	121.54
2	3F	9	VAL	C-N-CA	-14.47	93.91	121.54
2	3N	22	GLN	CG-CD-OE1	-14.47	91.86	120.80
2	37	22	GLN	CG-CD-OE1	-14.47	91.86	120.80
2	4B	9	VAL	CA-C-N	-14.47	93.91	121.54
2	4B	9	VAL	C-N-CA	-14.47	93.91	121.54
2	4J	22	GLN	CG-CD-OE1	-14.47	91.86	120.80
2	4N	9	VAL	CA-C-N	-14.47	93.91	121.54
2	4N	9	VAL	C-N-CA	-14.47	93.91	121.54
2	4R	22	GLN	CG-CD-OE1	-14.47	91.86	120.80
2	4V	9	VAL	CA-C-N	-14.47	93.91	121.54
2	4V	9	VAL	C-N-CA	-14.47	93.91	121.54
2	5R	9	VAL	CA-C-N	-14.47	93.91	121.54
2	5R	9	VAL	C-N-CA	-14.47	93.91	121.54
2	5Z	22	GLN	CG-CD-OE1	-14.47	91.86	120.80
2	6F	22	GLN	CG-CD-OE1	-14.47	91.86	120.80
2	6J	9	VAL	CA-C-N	-14.47	93.91	121.54
2	6J	9	VAL	C-N-CA	-14.47	93.91	121.54
2	6R	9	VAL	CA-C-N	-14.47	93.91	121.54
2	6R	9	VAL	C-N-CA	-14.47	93.91	121.54
2	6Z	22	GLN	CG-CD-OE1	-14.47	91.86	120.80
2	7J	22	GLN	CG-CD-OE1	-14.47	91.86	120.80
2	7N	9	VAL	CA-C-N	-14.47	93.91	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	9	VAL	C-N-CA	-14.47	93.91	121.54
2	7V	22	GLN	CG-CD-OE1	-14.47	91.86	120.80
2	1F	9	VAL	CA-C-N	-14.47	93.91	121.54
2	1F	9	VAL	C-N-CA	-14.47	93.91	121.54
2	2N	9	VAL	CA-C-N	-14.47	93.91	121.54
2	2N	9	VAL	C-N-CA	-14.47	93.91	121.54
2	23	9	VAL	CA-C-N	-14.47	93.91	121.54
2	23	9	VAL	C-N-CA	-14.47	93.91	121.54
2	3N	9	VAL	CA-C-N	-14.47	93.91	121.54
2	3N	9	VAL	C-N-CA	-14.47	93.91	121.54
2	37	9	VAL	CA-C-N	-14.47	93.91	121.54
2	37	9	VAL	C-N-CA	-14.47	93.91	121.54
2	4J	9	VAL	CA-C-N	-14.47	93.91	121.54
2	4J	9	VAL	C-N-CA	-14.47	93.91	121.54
2	4R	9	VAL	CA-C-N	-14.47	93.91	121.54
2	4R	9	VAL	C-N-CA	-14.47	93.91	121.54
2	5Z	9	VAL	CA-C-N	-14.47	93.91	121.54
2	5Z	9	VAL	C-N-CA	-14.47	93.91	121.54
2	6F	9	VAL	CA-C-N	-14.47	93.91	121.54
2	6F	9	VAL	C-N-CA	-14.47	93.91	121.54
2	6Z	9	VAL	CA-C-N	-14.47	93.91	121.54
2	6Z	9	VAL	C-N-CA	-14.47	93.91	121.54
2	7J	9	VAL	CA-C-N	-14.47	93.91	121.54
2	7J	9	VAL	C-N-CA	-14.47	93.91	121.54
2	7V	9	VAL	CA-C-N	-14.47	93.91	121.54
2	7V	9	VAL	C-N-CA	-14.47	93.91	121.54
1	12	79	THR	CA-CB-OG1	-14.46	87.90	109.60
1	16	79	THR	CA-CB-OG1	-14.46	87.90	109.60
1	2A	79	THR	CA-CB-OG1	-14.46	87.90	109.60
1	3Q	79	THR	CA-CB-OG1	-14.46	87.90	109.60
1	3U	79	THR	CA-CB-OG1	-14.46	87.90	109.60
1	3Y	79	THR	CA-CB-OG1	-14.46	87.90	109.60
1	5E	79	THR	CA-CB-OG1	-14.46	87.90	109.60
1	5I	79	THR	CA-CB-OG1	-14.46	87.90	109.60
1	5M	79	THR	CA-CB-OG1	-14.46	87.90	109.60
1	62	79	THR	CA-CB-OG1	-14.46	87.90	109.60
1	66	79	THR	CA-CB-OG1	-14.46	87.90	109.60
1	7A	79	THR	CA-CB-OG1	-14.46	87.90	109.60
2	1N	9	VAL	CA-C-N	-14.46	93.92	121.54
2	1N	9	VAL	C-N-CA	-14.46	93.92	121.54
2	2J	9	VAL	CA-C-N	-14.46	93.92	121.54
2	2J	9	VAL	C-N-CA	-14.46	93.92	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3B	9	VAL	CA-C-N	-14.46	93.92	121.54
2	3B	9	VAL	C-N-CA	-14.46	93.92	121.54
2	3J	9	VAL	CA-C-N	-14.46	93.92	121.54
2	3J	9	VAL	C-N-CA	-14.46	93.92	121.54
2	33	9	VAL	CA-C-N	-14.46	93.92	121.54
2	33	9	VAL	C-N-CA	-14.46	93.92	121.54
2	4F	9	VAL	CA-C-N	-14.46	93.92	121.54
2	4F	9	VAL	C-N-CA	-14.46	93.92	121.54
2	4Z	9	VAL	CA-C-N	-14.46	93.92	121.54
2	4Z	9	VAL	C-N-CA	-14.46	93.92	121.54
2	5V	9	VAL	CA-C-N	-14.46	93.92	121.54
2	5V	9	VAL	C-N-CA	-14.46	93.92	121.54
2	6N	9	VAL	CA-C-N	-14.46	93.92	121.54
2	6N	9	VAL	C-N-CA	-14.46	93.92	121.54
2	6V	9	VAL	CA-C-N	-14.46	93.92	121.54
2	6V	9	VAL	C-N-CA	-14.46	93.92	121.54
2	7F	9	VAL	CA-C-N	-14.46	93.92	121.54
2	7F	9	VAL	C-N-CA	-14.46	93.92	121.54
2	7R	9	VAL	CA-C-N	-14.46	93.92	121.54
2	7R	9	VAL	C-N-CA	-14.46	93.92	121.54
1	1A	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	1I	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	1M	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	2E	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	2I	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	26	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	3A	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	3E	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	3I	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	32	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	4A	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	4E	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	4M	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	4U	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	4Y	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	5Q	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	5U	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	6I	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	6M	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	6Q	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	6U	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	7E	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	7Q	90	PHE	CZ-CE2-CD2	14.46	146.03	120.00
1	1Q	79	THR	CA-CB-OG1	-14.46	87.91	109.60
1	1U	79	THR	CA-CB-OG1	-14.46	87.91	109.60
1	1Y	79	THR	CA-CB-OG1	-14.46	87.91	109.60
1	2Q	79	THR	CA-CB-OG1	-14.46	87.91	109.60
1	2U	79	THR	CA-CB-OG1	-14.46	87.91	109.60
1	2Y	79	THR	CA-CB-OG1	-14.46	87.91	109.60
1	42	79	THR	CA-CB-OG1	-14.46	87.91	109.60
1	46	79	THR	CA-CB-OG1	-14.46	87.91	109.60
1	5A	79	THR	CA-CB-OG1	-14.46	87.91	109.60
1	52	79	THR	CA-CB-OG1	-14.46	87.91	109.60
1	56	79	THR	CA-CB-OG1	-14.46	87.91	109.60
1	6A	79	THR	CA-CB-OG1	-14.46	87.91	109.60
2	1R	9	VAL	CA-C-N	-14.46	93.93	121.54
2	1R	9	VAL	C-N-CA	-14.46	93.93	121.54
2	1V	9	VAL	CA-C-N	-14.46	93.93	121.54
2	1V	9	VAL	C-N-CA	-14.46	93.93	121.54
2	1Z	9	VAL	CA-C-N	-14.46	93.93	121.54
2	1Z	9	VAL	C-N-CA	-14.46	93.93	121.54
2	2R	9	VAL	CA-C-N	-14.46	93.93	121.54
2	2R	9	VAL	C-N-CA	-14.46	93.93	121.54
2	2V	9	VAL	CA-C-N	-14.46	93.93	121.54
2	2V	9	VAL	C-N-CA	-14.46	93.93	121.54
2	2Z	9	VAL	CA-C-N	-14.46	93.93	121.54
2	2Z	9	VAL	C-N-CA	-14.46	93.93	121.54
2	43	9	VAL	CA-C-N	-14.46	93.93	121.54
2	43	9	VAL	C-N-CA	-14.46	93.93	121.54
2	47	9	VAL	CA-C-N	-14.46	93.93	121.54
2	47	9	VAL	C-N-CA	-14.46	93.93	121.54
2	5B	9	VAL	CA-C-N	-14.46	93.93	121.54
2	5B	9	VAL	C-N-CA	-14.46	93.93	121.54
2	53	9	VAL	CA-C-N	-14.46	93.93	121.54
2	53	9	VAL	C-N-CA	-14.46	93.93	121.54
2	57	9	VAL	CA-C-N	-14.46	93.93	121.54
2	57	9	VAL	C-N-CA	-14.46	93.93	121.54
2	6B	9	VAL	CA-C-N	-14.46	93.93	121.54
2	6B	9	VAL	C-N-CA	-14.46	93.93	121.54
1	1E	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	1Q	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	1U	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	1Y	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	2Q	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	2U	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	2Y	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	22	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	3M	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	36	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	4I	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	4Q	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	42	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	46	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	5A	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	5Y	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	52	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	56	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	6A	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	6E	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	6Y	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	7I	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
1	7U	90	PHE	CZ-CE2-CD2	14.45	146.01	120.00
2	13	9	VAL	CA-C-N	-14.45	93.95	121.54
2	13	9	VAL	C-N-CA	-14.45	93.95	121.54
2	17	9	VAL	CA-C-N	-14.45	93.95	121.54
2	17	9	VAL	C-N-CA	-14.45	93.95	121.54
2	2B	9	VAL	CA-C-N	-14.45	93.95	121.54
2	2B	9	VAL	C-N-CA	-14.45	93.95	121.54
2	3R	9	VAL	CA-C-N	-14.45	93.95	121.54
2	3R	9	VAL	C-N-CA	-14.45	93.95	121.54
2	3V	9	VAL	CA-C-N	-14.45	93.95	121.54
2	3V	9	VAL	C-N-CA	-14.45	93.95	121.54
2	3Z	9	VAL	CA-C-N	-14.45	93.95	121.54
2	3Z	9	VAL	C-N-CA	-14.45	93.95	121.54
2	5F	9	VAL	CA-C-N	-14.45	93.95	121.54
2	5F	9	VAL	C-N-CA	-14.45	93.95	121.54
2	5J	9	VAL	CA-C-N	-14.45	93.95	121.54
2	5J	9	VAL	C-N-CA	-14.45	93.95	121.54
2	5N	9	VAL	CA-C-N	-14.45	93.95	121.54
2	5N	9	VAL	C-N-CA	-14.45	93.95	121.54
2	63	9	VAL	CA-C-N	-14.45	93.95	121.54
2	63	9	VAL	C-N-CA	-14.45	93.95	121.54
2	67	9	VAL	CA-C-N	-14.45	93.95	121.54
2	67	9	VAL	C-N-CA	-14.45	93.95	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7B	9	VAL	CA-C-N	-14.45	93.95	121.54
2	7B	9	VAL	C-N-CA	-14.45	93.95	121.54
1	1Q	26	ALA	N-CA-C	-14.45	93.47	112.68
1	1U	26	ALA	N-CA-C	-14.45	93.47	112.68
1	1Y	26	ALA	N-CA-C	-14.45	93.47	112.68
1	2Q	26	ALA	N-CA-C	-14.45	93.47	112.68
1	2U	26	ALA	N-CA-C	-14.45	93.47	112.68
1	2Y	26	ALA	N-CA-C	-14.45	93.47	112.68
1	42	26	ALA	N-CA-C	-14.45	93.47	112.68
1	46	26	ALA	N-CA-C	-14.45	93.47	112.68
1	5A	26	ALA	N-CA-C	-14.45	93.47	112.68
1	52	26	ALA	N-CA-C	-14.45	93.47	112.68
1	56	26	ALA	N-CA-C	-14.45	93.47	112.68
1	6A	26	ALA	N-CA-C	-14.45	93.47	112.68
1	1E	26	ALA	N-CA-C	-14.44	93.47	112.68
1	2M	26	ALA	N-CA-C	-14.44	93.47	112.68
1	22	26	ALA	N-CA-C	-14.44	93.47	112.68
1	3M	26	ALA	N-CA-C	-14.44	93.47	112.68
1	36	26	ALA	N-CA-C	-14.44	93.47	112.68
1	4I	26	ALA	N-CA-C	-14.44	93.47	112.68
1	4Q	26	ALA	N-CA-C	-14.44	93.47	112.68
1	5Y	26	ALA	N-CA-C	-14.44	93.47	112.68
1	6E	26	ALA	N-CA-C	-14.44	93.47	112.68
1	6Y	26	ALA	N-CA-C	-14.44	93.47	112.68
1	7I	26	ALA	N-CA-C	-14.44	93.47	112.68
1	7U	26	ALA	N-CA-C	-14.44	93.47	112.68
2	1F	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	2N	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	23	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	3N	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	37	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	4J	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	4R	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	5Z	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	6F	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	6Z	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	7J	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	7V	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	1R	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	1V	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	1Z	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
1	12	90	PHE	CZ-CE2-CD2	14.43	145.97	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16	90	PHE	CZ-CE2-CD2	14.43	145.97	120.00
1	2A	90	PHE	CZ-CE2-CD2	14.43	145.97	120.00
2	2R	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	2V	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	2Z	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
1	3Q	90	PHE	CZ-CE2-CD2	14.43	145.97	120.00
1	3U	90	PHE	CZ-CE2-CD2	14.43	145.97	120.00
1	3Y	90	PHE	CZ-CE2-CD2	14.43	145.97	120.00
2	43	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	47	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	5B	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
1	5E	90	PHE	CZ-CE2-CD2	14.43	145.97	120.00
1	5I	90	PHE	CZ-CE2-CD2	14.43	145.97	120.00
1	5M	90	PHE	CZ-CE2-CD2	14.43	145.97	120.00
2	53	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	57	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
2	6B	7	ASN	OD1-CG-ND2	14.43	137.03	122.60
1	62	90	PHE	CZ-CE2-CD2	14.43	145.97	120.00
1	66	90	PHE	CZ-CE2-CD2	14.43	145.97	120.00
1	7A	90	PHE	CZ-CE2-CD2	14.43	145.97	120.00
2	1B	7	ASN	OD1-CG-ND2	14.41	137.01	122.60
2	1J	7	ASN	OD1-CG-ND2	14.41	137.01	122.60
2	2F	7	ASN	OD1-CG-ND2	14.41	137.01	122.60
2	27	7	ASN	OD1-CG-ND2	14.41	137.01	122.60
2	3F	7	ASN	OD1-CG-ND2	14.41	137.01	122.60
2	4B	7	ASN	OD1-CG-ND2	14.41	137.01	122.60
2	4N	7	ASN	OD1-CG-ND2	14.41	137.01	122.60
2	4V	7	ASN	OD1-CG-ND2	14.41	137.01	122.60
2	5R	7	ASN	OD1-CG-ND2	14.41	137.01	122.60
2	6J	7	ASN	OD1-CG-ND2	14.41	137.01	122.60
2	6R	7	ASN	OD1-CG-ND2	14.41	137.01	122.60
2	7N	7	ASN	OD1-CG-ND2	14.41	137.01	122.60
1	1M	26	ALA	N-CA-C	-14.41	93.52	112.68
1	12	26	ALA	N-CA-C	-14.41	93.52	112.68
1	16	26	ALA	N-CA-C	-14.41	93.52	112.68
1	2A	26	ALA	N-CA-C	-14.41	93.52	112.68
1	2I	26	ALA	N-CA-C	-14.41	93.52	112.68
1	3A	26	ALA	N-CA-C	-14.41	93.52	112.68
1	3I	26	ALA	N-CA-C	-14.41	93.52	112.68
1	3Q	26	ALA	N-CA-C	-14.41	93.52	112.68
1	3U	26	ALA	N-CA-C	-14.41	93.52	112.68
1	3Y	26	ALA	N-CA-C	-14.41	93.52	112.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	26	ALA	N-CA-C	-14.41	93.52	112.68
1	4E	26	ALA	N-CA-C	-14.41	93.52	112.68
1	4Y	26	ALA	N-CA-C	-14.41	93.52	112.68
1	5E	26	ALA	N-CA-C	-14.41	93.52	112.68
1	5I	26	ALA	N-CA-C	-14.41	93.52	112.68
1	5M	26	ALA	N-CA-C	-14.41	93.52	112.68
1	5U	26	ALA	N-CA-C	-14.41	93.52	112.68
1	6M	26	ALA	N-CA-C	-14.41	93.52	112.68
1	6U	26	ALA	N-CA-C	-14.41	93.52	112.68
1	62	26	ALA	N-CA-C	-14.41	93.52	112.68
1	66	26	ALA	N-CA-C	-14.41	93.52	112.68
1	7A	26	ALA	N-CA-C	-14.41	93.52	112.68
1	7E	26	ALA	N-CA-C	-14.41	93.52	112.68
1	7Q	26	ALA	N-CA-C	-14.41	93.52	112.68
1	1Q	65	PHE	CE1-CZ-CE2	-14.40	94.08	120.00
1	1U	65	PHE	CE1-CZ-CE2	-14.40	94.08	120.00
1	1Y	65	PHE	CE1-CZ-CE2	-14.40	94.08	120.00
1	2Q	65	PHE	CE1-CZ-CE2	-14.40	94.08	120.00
1	2U	65	PHE	CE1-CZ-CE2	-14.40	94.08	120.00
1	2Y	65	PHE	CE1-CZ-CE2	-14.40	94.08	120.00
1	42	65	PHE	CE1-CZ-CE2	-14.40	94.08	120.00
1	46	65	PHE	CE1-CZ-CE2	-14.40	94.08	120.00
1	5A	65	PHE	CE1-CZ-CE2	-14.40	94.08	120.00
1	52	65	PHE	CE1-CZ-CE2	-14.40	94.08	120.00
1	56	65	PHE	CE1-CZ-CE2	-14.40	94.08	120.00
1	6A	65	PHE	CE1-CZ-CE2	-14.40	94.08	120.00
2	1R	55	PRO	CA-N-CD	14.40	132.16	112.00
2	1V	55	PRO	CA-N-CD	14.40	132.16	112.00
2	1Z	55	PRO	CA-N-CD	14.40	132.16	112.00
1	12	65	PHE	CE1-CZ-CE2	-14.40	94.09	120.00
1	16	65	PHE	CE1-CZ-CE2	-14.40	94.09	120.00
1	2A	65	PHE	CE1-CZ-CE2	-14.40	94.09	120.00
2	2R	55	PRO	CA-N-CD	14.40	132.16	112.00
2	2V	55	PRO	CA-N-CD	14.40	132.16	112.00
2	2Z	55	PRO	CA-N-CD	14.40	132.16	112.00
1	3Q	65	PHE	CE1-CZ-CE2	-14.40	94.09	120.00
1	3U	65	PHE	CE1-CZ-CE2	-14.40	94.09	120.00
1	3Y	65	PHE	CE1-CZ-CE2	-14.40	94.09	120.00
2	43	55	PRO	CA-N-CD	14.40	132.16	112.00
2	47	55	PRO	CA-N-CD	14.40	132.16	112.00
2	5B	55	PRO	CA-N-CD	14.40	132.16	112.00
1	5E	65	PHE	CE1-CZ-CE2	-14.40	94.09	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5I	65	PHE	CE1-CZ-CE2	-14.40	94.09	120.00
1	5M	65	PHE	CE1-CZ-CE2	-14.40	94.09	120.00
2	53	55	PRO	CA-N-CD	14.40	132.16	112.00
2	57	55	PRO	CA-N-CD	14.40	132.16	112.00
2	6B	55	PRO	CA-N-CD	14.40	132.16	112.00
1	62	65	PHE	CE1-CZ-CE2	-14.40	94.09	120.00
1	66	65	PHE	CE1-CZ-CE2	-14.40	94.09	120.00
1	7A	65	PHE	CE1-CZ-CE2	-14.40	94.09	120.00
1	1M	65	PHE	CE1-CZ-CE2	-14.39	94.09	120.00
1	2I	65	PHE	CE1-CZ-CE2	-14.39	94.09	120.00
1	3A	65	PHE	CE1-CZ-CE2	-14.39	94.09	120.00
1	3I	65	PHE	CE1-CZ-CE2	-14.39	94.09	120.00
1	32	65	PHE	CE1-CZ-CE2	-14.39	94.09	120.00
1	4E	65	PHE	CE1-CZ-CE2	-14.39	94.09	120.00
1	4Y	65	PHE	CE1-CZ-CE2	-14.39	94.09	120.00
1	5U	65	PHE	CE1-CZ-CE2	-14.39	94.09	120.00
1	6M	65	PHE	CE1-CZ-CE2	-14.39	94.09	120.00
1	6U	65	PHE	CE1-CZ-CE2	-14.39	94.09	120.00
1	7E	65	PHE	CE1-CZ-CE2	-14.39	94.09	120.00
1	7Q	65	PHE	CE1-CZ-CE2	-14.39	94.09	120.00
2	13	7	ASN	OD1-CG-ND2	14.39	136.99	122.60
2	17	7	ASN	OD1-CG-ND2	14.39	136.99	122.60
2	2B	7	ASN	OD1-CG-ND2	14.39	136.99	122.60
2	3R	7	ASN	OD1-CG-ND2	14.39	136.99	122.60
2	3V	7	ASN	OD1-CG-ND2	14.39	136.99	122.60
2	3Z	7	ASN	OD1-CG-ND2	14.39	136.99	122.60
2	5F	7	ASN	OD1-CG-ND2	14.39	136.99	122.60
2	5J	7	ASN	OD1-CG-ND2	14.39	136.99	122.60
2	5N	7	ASN	OD1-CG-ND2	14.39	136.99	122.60
2	63	7	ASN	OD1-CG-ND2	14.39	136.99	122.60
2	67	7	ASN	OD1-CG-ND2	14.39	136.99	122.60
2	7B	7	ASN	OD1-CG-ND2	14.39	136.99	122.60
1	1A	26	ALA	N-CA-C	-14.39	93.54	112.68
1	1I	26	ALA	N-CA-C	-14.39	93.54	112.68
2	1N	55	PRO	CA-N-CD	14.39	132.15	112.00
1	2E	26	ALA	N-CA-C	-14.39	93.54	112.68
2	2J	55	PRO	CA-N-CD	14.39	132.15	112.00
1	26	26	ALA	N-CA-C	-14.39	93.54	112.68
2	3B	55	PRO	CA-N-CD	14.39	132.15	112.00
1	3E	26	ALA	N-CA-C	-14.39	93.54	112.68
2	3J	55	PRO	CA-N-CD	14.39	132.15	112.00
2	33	55	PRO	CA-N-CD	14.39	132.15	112.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	26	ALA	N-CA-C	-14.39	93.54	112.68
2	4F	55	PRO	CA-N-CD	14.39	132.15	112.00
1	4M	26	ALA	N-CA-C	-14.39	93.54	112.68
1	4U	26	ALA	N-CA-C	-14.39	93.54	112.68
2	4Z	55	PRO	CA-N-CD	14.39	132.15	112.00
1	5Q	26	ALA	N-CA-C	-14.39	93.54	112.68
2	5V	55	PRO	CA-N-CD	14.39	132.15	112.00
1	6I	26	ALA	N-CA-C	-14.39	93.54	112.68
2	6N	55	PRO	CA-N-CD	14.39	132.15	112.00
1	6Q	26	ALA	N-CA-C	-14.39	93.54	112.68
2	6V	55	PRO	CA-N-CD	14.39	132.15	112.00
2	7F	55	PRO	CA-N-CD	14.39	132.15	112.00
1	7M	26	ALA	N-CA-C	-14.39	93.54	112.68
2	7R	55	PRO	CA-N-CD	14.39	132.15	112.00
1	1E	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	2M	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	22	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	3M	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	36	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	4I	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	4Q	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	5Y	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	6E	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	6Y	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	7I	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	7U	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	1A	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	1I	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	2E	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	26	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	3E	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	4A	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	4M	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	4U	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	5Q	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	6I	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	6Q	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
1	7M	65	PHE	CE1-CZ-CE2	-14.39	94.10	120.00
2	1R	78	HIS	CB-CG-CD2	14.38	149.90	131.20
2	1V	78	HIS	CB-CG-CD2	14.38	149.90	131.20
2	1Z	78	HIS	CB-CG-CD2	14.38	149.90	131.20
2	2R	78	HIS	CB-CG-CD2	14.38	149.90	131.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	78	HIS	CB-CG-CD2	14.38	149.90	131.20
2	2Z	78	HIS	CB-CG-CD2	14.38	149.90	131.20
2	43	78	HIS	CB-CG-CD2	14.38	149.90	131.20
2	47	78	HIS	CB-CG-CD2	14.38	149.90	131.20
2	5B	78	HIS	CB-CG-CD2	14.38	149.90	131.20
2	53	78	HIS	CB-CG-CD2	14.38	149.90	131.20
2	57	78	HIS	CB-CG-CD2	14.38	149.90	131.20
2	6B	78	HIS	CB-CG-CD2	14.38	149.90	131.20
2	1F	55	PRO	CA-N-CD	14.38	132.13	112.00
2	2N	55	PRO	CA-N-CD	14.38	132.13	112.00
2	23	55	PRO	CA-N-CD	14.38	132.13	112.00
2	3N	55	PRO	CA-N-CD	14.38	132.13	112.00
2	37	55	PRO	CA-N-CD	14.38	132.13	112.00
2	4J	55	PRO	CA-N-CD	14.38	132.13	112.00
2	4R	55	PRO	CA-N-CD	14.38	132.13	112.00
2	5Z	55	PRO	CA-N-CD	14.38	132.13	112.00
2	6F	55	PRO	CA-N-CD	14.38	132.13	112.00
2	6Z	55	PRO	CA-N-CD	14.38	132.13	112.00
2	7J	55	PRO	CA-N-CD	14.38	132.13	112.00
2	7V	55	PRO	CA-N-CD	14.38	132.13	112.00
2	1B	55	PRO	CA-N-CD	14.38	132.13	112.00
2	1J	55	PRO	CA-N-CD	14.38	132.13	112.00
2	2F	55	PRO	CA-N-CD	14.38	132.13	112.00
2	27	55	PRO	CA-N-CD	14.38	132.13	112.00
2	3F	55	PRO	CA-N-CD	14.38	132.13	112.00
2	4B	55	PRO	CA-N-CD	14.38	132.13	112.00
2	4N	55	PRO	CA-N-CD	14.38	132.13	112.00
2	4V	55	PRO	CA-N-CD	14.38	132.13	112.00
2	5R	55	PRO	CA-N-CD	14.38	132.13	112.00
2	6J	55	PRO	CA-N-CD	14.38	132.13	112.00
2	6R	55	PRO	CA-N-CD	14.38	132.13	112.00
2	7N	55	PRO	CA-N-CD	14.38	132.13	112.00
2	1N	7	ASN	OD1-CG-ND2	14.38	136.98	122.60
2	2J	7	ASN	OD1-CG-ND2	14.38	136.98	122.60
2	3B	7	ASN	OD1-CG-ND2	14.38	136.98	122.60
2	3J	7	ASN	OD1-CG-ND2	14.38	136.98	122.60
2	33	7	ASN	OD1-CG-ND2	14.38	136.98	122.60
2	4F	7	ASN	OD1-CG-ND2	14.38	136.98	122.60
2	4Z	7	ASN	OD1-CG-ND2	14.38	136.98	122.60
2	5V	7	ASN	OD1-CG-ND2	14.38	136.98	122.60
2	6N	7	ASN	OD1-CG-ND2	14.38	136.98	122.60
2	6V	7	ASN	OD1-CG-ND2	14.38	136.98	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	7	ASN	OD1-CG-ND2	14.38	136.98	122.60
2	7R	7	ASN	OD1-CG-ND2	14.38	136.98	122.60
1	1Q	171	ARG	NE-CZ-NH1	-14.37	107.13	121.50
1	1U	171	ARG	NE-CZ-NH1	-14.37	107.13	121.50
1	1Y	171	ARG	NE-CZ-NH1	-14.37	107.13	121.50
1	2Q	171	ARG	NE-CZ-NH1	-14.37	107.13	121.50
1	2U	171	ARG	NE-CZ-NH1	-14.37	107.13	121.50
1	2Y	171	ARG	NE-CZ-NH1	-14.37	107.13	121.50
1	42	171	ARG	NE-CZ-NH1	-14.37	107.13	121.50
1	46	171	ARG	NE-CZ-NH1	-14.37	107.13	121.50
1	5A	171	ARG	NE-CZ-NH1	-14.37	107.13	121.50
1	52	171	ARG	NE-CZ-NH1	-14.37	107.13	121.50
1	56	171	ARG	NE-CZ-NH1	-14.37	107.13	121.50
1	6A	171	ARG	NE-CZ-NH1	-14.37	107.13	121.50
2	13	55	PRO	CA-N-CD	14.37	132.11	112.00
2	17	55	PRO	CA-N-CD	14.37	132.11	112.00
2	2B	55	PRO	CA-N-CD	14.37	132.11	112.00
2	3R	55	PRO	CA-N-CD	14.37	132.11	112.00
2	3V	55	PRO	CA-N-CD	14.37	132.11	112.00
2	3Z	55	PRO	CA-N-CD	14.37	132.11	112.00
2	5F	55	PRO	CA-N-CD	14.37	132.11	112.00
2	5J	55	PRO	CA-N-CD	14.37	132.11	112.00
2	5N	55	PRO	CA-N-CD	14.37	132.11	112.00
2	63	55	PRO	CA-N-CD	14.37	132.11	112.00
2	67	55	PRO	CA-N-CD	14.37	132.11	112.00
2	7B	55	PRO	CA-N-CD	14.37	132.11	112.00
2	13	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	17	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	2B	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	3R	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	3V	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	3Z	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	5F	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	5J	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	5N	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	63	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	67	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	7B	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	1F	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	2N	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	23	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	3N	78	HIS	CB-CG-CD2	14.36	149.87	131.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	4J	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	4R	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	5Z	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	6F	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	6Z	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	7J	78	HIS	CB-CG-CD2	14.36	149.87	131.20
2	7V	78	HIS	CB-CG-CD2	14.36	149.87	131.20
1	12	171	ARG	NE-CZ-NH1	-14.36	107.14	121.50
1	16	171	ARG	NE-CZ-NH1	-14.36	107.14	121.50
1	2A	171	ARG	NE-CZ-NH1	-14.36	107.14	121.50
1	3Q	171	ARG	NE-CZ-NH1	-14.36	107.14	121.50
1	3U	171	ARG	NE-CZ-NH1	-14.36	107.14	121.50
1	3Y	171	ARG	NE-CZ-NH1	-14.36	107.14	121.50
1	5E	171	ARG	NE-CZ-NH1	-14.36	107.14	121.50
1	5I	171	ARG	NE-CZ-NH1	-14.36	107.14	121.50
1	5M	171	ARG	NE-CZ-NH1	-14.36	107.14	121.50
1	62	171	ARG	NE-CZ-NH1	-14.36	107.14	121.50
1	66	171	ARG	NE-CZ-NH1	-14.36	107.14	121.50
1	7A	171	ARG	NE-CZ-NH1	-14.36	107.14	121.50
1	1M	171	ARG	NE-CZ-NH1	-14.35	107.15	121.50
1	2I	171	ARG	NE-CZ-NH1	-14.35	107.15	121.50
1	3A	171	ARG	NE-CZ-NH1	-14.35	107.15	121.50
1	3I	171	ARG	NE-CZ-NH1	-14.35	107.15	121.50
1	32	171	ARG	NE-CZ-NH1	-14.35	107.15	121.50
1	4E	171	ARG	NE-CZ-NH1	-14.35	107.15	121.50
1	4Y	171	ARG	NE-CZ-NH1	-14.35	107.15	121.50
1	5U	171	ARG	NE-CZ-NH1	-14.35	107.15	121.50
1	6M	171	ARG	NE-CZ-NH1	-14.35	107.15	121.50
1	6U	171	ARG	NE-CZ-NH1	-14.35	107.15	121.50
1	7E	171	ARG	NE-CZ-NH1	-14.35	107.15	121.50
1	7Q	171	ARG	NE-CZ-NH1	-14.35	107.15	121.50
2	1B	78	HIS	CB-CG-CD2	14.35	149.85	131.20
2	1J	78	HIS	CB-CG-CD2	14.35	149.85	131.20
2	2F	78	HIS	CB-CG-CD2	14.35	149.85	131.20
2	27	78	HIS	CB-CG-CD2	14.35	149.85	131.20
2	3F	78	HIS	CB-CG-CD2	14.35	149.85	131.20
2	4B	78	HIS	CB-CG-CD2	14.35	149.85	131.20
2	4N	78	HIS	CB-CG-CD2	14.35	149.85	131.20
2	4V	78	HIS	CB-CG-CD2	14.35	149.85	131.20
2	5R	78	HIS	CB-CG-CD2	14.35	149.85	131.20
2	6J	78	HIS	CB-CG-CD2	14.35	149.85	131.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	78	HIS	CB-CG-CD2	14.35	149.85	131.20
2	7N	78	HIS	CB-CG-CD2	14.35	149.85	131.20
2	1N	78	HIS	CB-CG-CD2	14.34	149.84	131.20
2	2J	78	HIS	CB-CG-CD2	14.34	149.84	131.20
2	3B	78	HIS	CB-CG-CD2	14.34	149.84	131.20
2	3J	78	HIS	CB-CG-CD2	14.34	149.84	131.20
2	33	78	HIS	CB-CG-CD2	14.34	149.84	131.20
2	4F	78	HIS	CB-CG-CD2	14.34	149.84	131.20
2	4Z	78	HIS	CB-CG-CD2	14.34	149.84	131.20
2	5V	78	HIS	CB-CG-CD2	14.34	149.84	131.20
2	6N	78	HIS	CB-CG-CD2	14.34	149.84	131.20
2	6V	78	HIS	CB-CG-CD2	14.34	149.84	131.20
2	7F	78	HIS	CB-CG-CD2	14.34	149.84	131.20
2	7R	78	HIS	CB-CG-CD2	14.34	149.84	131.20
1	1A	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	1I	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	2E	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	26	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	3E	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	4A	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	4M	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	4U	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	5Q	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	6I	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	6Q	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	7M	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	1E	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	2M	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	22	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	3M	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	36	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	4I	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	4Q	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	5Y	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	6E	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	6Y	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	7I	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	7U	171	ARG	NE-CZ-NH1	-14.34	107.16	121.50
1	1M	93	ALA	CA-C-O	14.34	141.01	120.51
1	2I	93	ALA	CA-C-O	14.34	141.01	120.51
1	3A	93	ALA	CA-C-O	14.34	141.01	120.51
1	3I	93	ALA	CA-C-O	14.34	141.01	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	93	ALA	CA-C-O	14.34	141.01	120.51
1	4E	93	ALA	CA-C-O	14.34	141.01	120.51
1	4Y	93	ALA	CA-C-O	14.34	141.01	120.51
1	5U	93	ALA	CA-C-O	14.34	141.01	120.51
1	6M	93	ALA	CA-C-O	14.34	141.01	120.51
1	6U	93	ALA	CA-C-O	14.34	141.01	120.51
1	7E	93	ALA	CA-C-O	14.34	141.01	120.51
1	7Q	93	ALA	CA-C-O	14.34	141.01	120.51
1	1E	18	PRO	CA-N-CD	-14.32	91.95	112.00
1	2M	18	PRO	CA-N-CD	-14.32	91.95	112.00
1	22	18	PRO	CA-N-CD	-14.32	91.95	112.00
1	3M	18	PRO	CA-N-CD	-14.32	91.95	112.00
1	36	18	PRO	CA-N-CD	-14.32	91.95	112.00
1	4I	18	PRO	CA-N-CD	-14.32	91.95	112.00
1	4Q	18	PRO	CA-N-CD	-14.32	91.95	112.00
1	5Y	18	PRO	CA-N-CD	-14.32	91.95	112.00
1	6E	18	PRO	CA-N-CD	-14.32	91.95	112.00
1	6Y	18	PRO	CA-N-CD	-14.32	91.95	112.00
1	7I	18	PRO	CA-N-CD	-14.32	91.95	112.00
1	7U	18	PRO	CA-N-CD	-14.32	91.95	112.00
1	1A	18	PRO	CA-N-CD	-14.32	91.96	112.00
1	1I	18	PRO	CA-N-CD	-14.32	91.96	112.00
1	2E	18	PRO	CA-N-CD	-14.32	91.96	112.00
1	26	18	PRO	CA-N-CD	-14.32	91.96	112.00
1	3E	18	PRO	CA-N-CD	-14.32	91.96	112.00
1	4A	18	PRO	CA-N-CD	-14.32	91.96	112.00
1	4M	18	PRO	CA-N-CD	-14.32	91.96	112.00
1	4U	18	PRO	CA-N-CD	-14.32	91.96	112.00
1	5Q	18	PRO	CA-N-CD	-14.32	91.96	112.00
1	6I	18	PRO	CA-N-CD	-14.32	91.96	112.00
1	6Q	18	PRO	CA-N-CD	-14.32	91.96	112.00
1	7M	18	PRO	CA-N-CD	-14.32	91.96	112.00
1	1E	93	ALA	CA-C-O	14.31	140.98	120.51
1	2M	93	ALA	CA-C-O	14.31	140.98	120.51
1	22	93	ALA	CA-C-O	14.31	140.98	120.51
1	3M	93	ALA	CA-C-O	14.31	140.98	120.51
1	36	93	ALA	CA-C-O	14.31	140.98	120.51
1	4I	93	ALA	CA-C-O	14.31	140.98	120.51
1	4Q	93	ALA	CA-C-O	14.31	140.98	120.51
1	5Y	93	ALA	CA-C-O	14.31	140.98	120.51
1	6E	93	ALA	CA-C-O	14.31	140.98	120.51
1	6Y	93	ALA	CA-C-O	14.31	140.98	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	93	ALA	CA-C-O	14.31	140.98	120.51
1	7U	93	ALA	CA-C-O	14.31	140.98	120.51
1	1M	18	PRO	CA-N-CD	-14.31	91.96	112.00
1	2I	18	PRO	CA-N-CD	-14.31	91.96	112.00
1	3A	18	PRO	CA-N-CD	-14.31	91.96	112.00
1	3I	18	PRO	CA-N-CD	-14.31	91.96	112.00
1	32	18	PRO	CA-N-CD	-14.31	91.96	112.00
1	4E	18	PRO	CA-N-CD	-14.31	91.96	112.00
1	4Y	18	PRO	CA-N-CD	-14.31	91.96	112.00
1	5U	18	PRO	CA-N-CD	-14.31	91.96	112.00
1	6M	18	PRO	CA-N-CD	-14.31	91.96	112.00
1	6U	18	PRO	CA-N-CD	-14.31	91.96	112.00
1	7E	18	PRO	CA-N-CD	-14.31	91.96	112.00
1	7Q	18	PRO	CA-N-CD	-14.31	91.96	112.00
1	12	18	PRO	CA-N-CD	-14.30	91.98	112.00
1	16	18	PRO	CA-N-CD	-14.30	91.98	112.00
1	2A	18	PRO	CA-N-CD	-14.30	91.98	112.00
1	3Q	18	PRO	CA-N-CD	-14.30	91.98	112.00
1	3U	18	PRO	CA-N-CD	-14.30	91.98	112.00
1	3Y	18	PRO	CA-N-CD	-14.30	91.98	112.00
1	5E	18	PRO	CA-N-CD	-14.30	91.98	112.00
1	5I	18	PRO	CA-N-CD	-14.30	91.98	112.00
1	5M	18	PRO	CA-N-CD	-14.30	91.98	112.00
1	62	18	PRO	CA-N-CD	-14.30	91.98	112.00
1	66	18	PRO	CA-N-CD	-14.30	91.98	112.00
1	7A	18	PRO	CA-N-CD	-14.30	91.98	112.00
1	1Q	18	PRO	CA-N-CD	-14.29	91.99	112.00
1	1U	18	PRO	CA-N-CD	-14.29	91.99	112.00
1	1Y	18	PRO	CA-N-CD	-14.29	91.99	112.00
1	2Q	18	PRO	CA-N-CD	-14.29	91.99	112.00
1	2U	18	PRO	CA-N-CD	-14.29	91.99	112.00
1	2Y	18	PRO	CA-N-CD	-14.29	91.99	112.00
1	42	18	PRO	CA-N-CD	-14.29	91.99	112.00
1	46	18	PRO	CA-N-CD	-14.29	91.99	112.00
1	5A	18	PRO	CA-N-CD	-14.29	91.99	112.00
1	52	18	PRO	CA-N-CD	-14.29	91.99	112.00
1	56	18	PRO	CA-N-CD	-14.29	91.99	112.00
1	6A	18	PRO	CA-N-CD	-14.29	91.99	112.00
1	1A	93	ALA	CA-C-O	14.29	140.95	120.51
1	1I	93	ALA	CA-C-O	14.29	140.95	120.51
1	2E	93	ALA	CA-C-O	14.29	140.95	120.51
1	26	93	ALA	CA-C-O	14.29	140.95	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	93	ALA	CA-C-O	14.29	140.95	120.51
1	4A	93	ALA	CA-C-O	14.29	140.95	120.51
1	4M	93	ALA	CA-C-O	14.29	140.95	120.51
1	4U	93	ALA	CA-C-O	14.29	140.95	120.51
1	5Q	93	ALA	CA-C-O	14.29	140.95	120.51
1	6I	93	ALA	CA-C-O	14.29	140.95	120.51
1	6Q	93	ALA	CA-C-O	14.29	140.95	120.51
1	7M	93	ALA	CA-C-O	14.29	140.95	120.51
1	12	93	ALA	CA-C-O	14.28	140.93	120.51
1	16	93	ALA	CA-C-O	14.28	140.93	120.51
1	2A	93	ALA	CA-C-O	14.28	140.93	120.51
1	3Q	93	ALA	CA-C-O	14.28	140.93	120.51
1	3U	93	ALA	CA-C-O	14.28	140.93	120.51
1	3Y	93	ALA	CA-C-O	14.28	140.93	120.51
1	5E	93	ALA	CA-C-O	14.28	140.93	120.51
1	5I	93	ALA	CA-C-O	14.28	140.93	120.51
1	5M	93	ALA	CA-C-O	14.28	140.93	120.51
1	62	93	ALA	CA-C-O	14.28	140.93	120.51
1	66	93	ALA	CA-C-O	14.28	140.93	120.51
1	7A	93	ALA	CA-C-O	14.28	140.93	120.51
1	1Q	93	ALA	CA-C-O	14.26	140.90	120.51
1	1U	93	ALA	CA-C-O	14.26	140.90	120.51
1	1Y	93	ALA	CA-C-O	14.26	140.90	120.51
1	2Q	93	ALA	CA-C-O	14.26	140.90	120.51
1	2U	93	ALA	CA-C-O	14.26	140.90	120.51
1	2Y	93	ALA	CA-C-O	14.26	140.90	120.51
1	42	93	ALA	CA-C-O	14.26	140.90	120.51
1	46	93	ALA	CA-C-O	14.26	140.90	120.51
1	5A	93	ALA	CA-C-O	14.26	140.90	120.51
1	52	93	ALA	CA-C-O	14.26	140.90	120.51
1	56	93	ALA	CA-C-O	14.26	140.90	120.51
1	6A	93	ALA	CA-C-O	14.26	140.90	120.51
2	1F	45	ALA	N-CA-CB	14.23	134.54	110.49
2	2N	45	ALA	N-CA-CB	14.23	134.54	110.49
2	23	45	ALA	N-CA-CB	14.23	134.54	110.49
2	3N	45	ALA	N-CA-CB	14.23	134.54	110.49
2	37	45	ALA	N-CA-CB	14.23	134.54	110.49
2	4J	45	ALA	N-CA-CB	14.23	134.54	110.49
2	4R	45	ALA	N-CA-CB	14.23	134.54	110.49
2	5Z	45	ALA	N-CA-CB	14.23	134.54	110.49
2	6F	45	ALA	N-CA-CB	14.23	134.54	110.49
2	6Z	45	ALA	N-CA-CB	14.23	134.54	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	45	ALA	N-CA-CB	14.23	134.54	110.49
2	7V	45	ALA	N-CA-CB	14.23	134.54	110.49
2	1N	38	VAL	CA-CB-CG2	14.23	134.59	110.40
2	2J	38	VAL	CA-CB-CG2	14.23	134.59	110.40
2	3B	38	VAL	CA-CB-CG2	14.23	134.59	110.40
2	3J	38	VAL	CA-CB-CG2	14.23	134.59	110.40
2	33	38	VAL	CA-CB-CG2	14.23	134.59	110.40
2	4F	38	VAL	CA-CB-CG2	14.23	134.59	110.40
2	4Z	38	VAL	CA-CB-CG2	14.23	134.59	110.40
2	5V	38	VAL	CA-CB-CG2	14.23	134.59	110.40
2	6N	38	VAL	CA-CB-CG2	14.23	134.59	110.40
2	6V	38	VAL	CA-CB-CG2	14.23	134.59	110.40
2	7F	38	VAL	CA-CB-CG2	14.23	134.59	110.40
2	7R	38	VAL	CA-CB-CG2	14.23	134.59	110.40
2	13	45	ALA	N-CA-CB	14.21	134.51	110.49
2	17	45	ALA	N-CA-CB	14.21	134.51	110.49
2	2B	45	ALA	N-CA-CB	14.21	134.51	110.49
2	3R	45	ALA	N-CA-CB	14.21	134.51	110.49
2	3V	45	ALA	N-CA-CB	14.21	134.51	110.49
2	3Z	45	ALA	N-CA-CB	14.21	134.51	110.49
2	5F	45	ALA	N-CA-CB	14.21	134.51	110.49
2	5J	45	ALA	N-CA-CB	14.21	134.51	110.49
2	5N	45	ALA	N-CA-CB	14.21	134.51	110.49
2	63	45	ALA	N-CA-CB	14.21	134.51	110.49
2	67	45	ALA	N-CA-CB	14.21	134.51	110.49
2	7B	45	ALA	N-CA-CB	14.21	134.51	110.49
2	1F	38	VAL	CA-CB-CG2	14.21	134.56	110.40
2	23	38	VAL	CA-CB-CG2	14.21	134.56	110.40
2	4J	38	VAL	CA-CB-CG2	14.21	134.56	110.40
2	4R	38	VAL	CA-CB-CG2	14.21	134.56	110.40
2	5Z	38	VAL	CA-CB-CG2	14.21	134.56	110.40
2	6F	38	VAL	CA-CB-CG2	14.21	134.56	110.40
2	7V	38	VAL	CA-CB-CG2	14.21	134.56	110.40
1	1Q	95	THR	N-CA-C	-14.21	95.99	113.18
1	1U	95	THR	N-CA-C	-14.21	95.99	113.18
1	1Y	95	THR	N-CA-C	-14.21	95.99	113.18
2	13	38	VAL	CA-CB-CG2	14.21	134.55	110.40
2	17	38	VAL	CA-CB-CG2	14.21	134.55	110.40
2	2B	38	VAL	CA-CB-CG2	14.21	134.55	110.40
2	2N	38	VAL	CA-CB-CG2	14.21	134.56	110.40
2	3N	38	VAL	CA-CB-CG2	14.21	134.56	110.40
1	2Q	95	THR	N-CA-C	-14.21	95.99	113.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	95	THR	N-CA-C	-14.21	95.99	113.18
1	2Y	95	THR	N-CA-C	-14.21	95.99	113.18
2	3R	38	VAL	CA-CB-CG2	14.21	134.55	110.40
2	3V	38	VAL	CA-CB-CG2	14.21	134.55	110.40
2	3Z	38	VAL	CA-CB-CG2	14.21	134.55	110.40
2	37	38	VAL	CA-CB-CG2	14.21	134.56	110.40
2	6Z	38	VAL	CA-CB-CG2	14.21	134.56	110.40
1	42	95	THR	N-CA-C	-14.21	95.99	113.18
1	46	95	THR	N-CA-C	-14.21	95.99	113.18
1	5A	95	THR	N-CA-C	-14.21	95.99	113.18
2	5F	38	VAL	CA-CB-CG2	14.21	134.55	110.40
2	5J	38	VAL	CA-CB-CG2	14.21	134.55	110.40
2	5N	38	VAL	CA-CB-CG2	14.21	134.55	110.40
1	52	95	THR	N-CA-C	-14.21	95.99	113.18
1	56	95	THR	N-CA-C	-14.21	95.99	113.18
1	6A	95	THR	N-CA-C	-14.21	95.99	113.18
2	63	38	VAL	CA-CB-CG2	14.21	134.55	110.40
2	67	38	VAL	CA-CB-CG2	14.21	134.55	110.40
2	7B	38	VAL	CA-CB-CG2	14.21	134.55	110.40
2	7J	38	VAL	CA-CB-CG2	14.21	134.56	110.40
1	1M	95	THR	N-CA-C	-14.20	95.99	113.18
1	2I	95	THR	N-CA-C	-14.20	95.99	113.18
1	3A	95	THR	N-CA-C	-14.20	95.99	113.18
1	3I	95	THR	N-CA-C	-14.20	95.99	113.18
1	32	95	THR	N-CA-C	-14.20	95.99	113.18
1	4E	95	THR	N-CA-C	-14.20	95.99	113.18
1	4Y	95	THR	N-CA-C	-14.20	95.99	113.18
1	5U	95	THR	N-CA-C	-14.20	95.99	113.18
1	6M	95	THR	N-CA-C	-14.20	95.99	113.18
1	6U	95	THR	N-CA-C	-14.20	95.99	113.18
1	7E	95	THR	N-CA-C	-14.20	95.99	113.18
1	7Q	95	THR	N-CA-C	-14.20	95.99	113.18
1	1A	95	THR	N-CA-C	-14.20	96.00	113.18
1	1E	95	THR	N-CA-C	-14.20	96.00	113.18
1	1I	95	THR	N-CA-C	-14.20	96.00	113.18
1	2E	95	THR	N-CA-C	-14.20	96.00	113.18
1	2M	95	THR	N-CA-C	-14.20	96.00	113.18
1	22	95	THR	N-CA-C	-14.20	96.00	113.18
1	26	95	THR	N-CA-C	-14.20	96.00	113.18
1	3E	95	THR	N-CA-C	-14.20	96.00	113.18
1	3M	95	THR	N-CA-C	-14.20	96.00	113.18
1	36	95	THR	N-CA-C	-14.20	96.00	113.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	95	THR	N-CA-C	-14.20	96.00	113.18
1	4I	95	THR	N-CA-C	-14.20	96.00	113.18
1	4M	95	THR	N-CA-C	-14.20	96.00	113.18
1	4Q	95	THR	N-CA-C	-14.20	96.00	113.18
1	4U	95	THR	N-CA-C	-14.20	96.00	113.18
1	5Q	95	THR	N-CA-C	-14.20	96.00	113.18
1	5Y	95	THR	N-CA-C	-14.20	96.00	113.18
1	6E	95	THR	N-CA-C	-14.20	96.00	113.18
1	6I	95	THR	N-CA-C	-14.20	96.00	113.18
1	6Q	95	THR	N-CA-C	-14.20	96.00	113.18
1	6Y	95	THR	N-CA-C	-14.20	96.00	113.18
1	7I	95	THR	N-CA-C	-14.20	96.00	113.18
1	7M	95	THR	N-CA-C	-14.20	96.00	113.18
1	7U	95	THR	N-CA-C	-14.20	96.00	113.18
2	1B	38	VAL	CA-CB-CG2	14.20	134.54	110.40
2	1J	38	VAL	CA-CB-CG2	14.20	134.54	110.40
2	2F	38	VAL	CA-CB-CG2	14.20	134.54	110.40
2	27	38	VAL	CA-CB-CG2	14.20	134.54	110.40
2	3F	38	VAL	CA-CB-CG2	14.20	134.54	110.40
2	4B	38	VAL	CA-CB-CG2	14.20	134.54	110.40
2	4N	38	VAL	CA-CB-CG2	14.20	134.54	110.40
2	4V	38	VAL	CA-CB-CG2	14.20	134.54	110.40
2	5R	38	VAL	CA-CB-CG2	14.20	134.54	110.40
2	6J	38	VAL	CA-CB-CG2	14.20	134.54	110.40
2	6R	38	VAL	CA-CB-CG2	14.20	134.54	110.40
2	7N	38	VAL	CA-CB-CG2	14.20	134.54	110.40
1	12	95	THR	N-CA-C	-14.19	96.01	113.18
1	16	95	THR	N-CA-C	-14.19	96.01	113.18
1	2A	95	THR	N-CA-C	-14.19	96.01	113.18
1	3Q	95	THR	N-CA-C	-14.19	96.01	113.18
1	3U	95	THR	N-CA-C	-14.19	96.01	113.18
1	3Y	95	THR	N-CA-C	-14.19	96.01	113.18
1	5E	95	THR	N-CA-C	-14.19	96.01	113.18
1	5I	95	THR	N-CA-C	-14.19	96.01	113.18
1	5M	95	THR	N-CA-C	-14.19	96.01	113.18
1	62	95	THR	N-CA-C	-14.19	96.01	113.18
1	66	95	THR	N-CA-C	-14.19	96.01	113.18
1	7A	95	THR	N-CA-C	-14.19	96.01	113.18
1	12	95	THR	CA-C-N	-14.19	102.19	122.19
1	12	95	THR	C-N-CA	-14.19	102.19	122.19
1	16	95	THR	CA-C-N	-14.19	102.19	122.19
1	16	95	THR	C-N-CA	-14.19	102.19	122.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	95	THR	CA-C-N	-14.19	102.19	122.19
1	2A	95	THR	C-N-CA	-14.19	102.19	122.19
1	3Q	95	THR	CA-C-N	-14.19	102.19	122.19
1	3Q	95	THR	C-N-CA	-14.19	102.19	122.19
1	3U	95	THR	CA-C-N	-14.19	102.19	122.19
1	3U	95	THR	C-N-CA	-14.19	102.19	122.19
1	3Y	95	THR	CA-C-N	-14.19	102.19	122.19
1	3Y	95	THR	C-N-CA	-14.19	102.19	122.19
1	5E	95	THR	CA-C-N	-14.19	102.19	122.19
1	5E	95	THR	C-N-CA	-14.19	102.19	122.19
1	5I	95	THR	CA-C-N	-14.19	102.19	122.19
1	5I	95	THR	C-N-CA	-14.19	102.19	122.19
1	5M	95	THR	CA-C-N	-14.19	102.19	122.19
1	5M	95	THR	C-N-CA	-14.19	102.19	122.19
1	62	95	THR	CA-C-N	-14.19	102.19	122.19
1	62	95	THR	C-N-CA	-14.19	102.19	122.19
1	66	95	THR	CA-C-N	-14.19	102.19	122.19
1	66	95	THR	C-N-CA	-14.19	102.19	122.19
1	7A	95	THR	CA-C-N	-14.19	102.19	122.19
1	7A	95	THR	C-N-CA	-14.19	102.19	122.19
2	2F	45	ALA	N-CA-CB	14.18	134.46	110.49
2	3F	45	ALA	N-CA-CB	14.18	134.46	110.49
2	4V	45	ALA	N-CA-CB	14.18	134.46	110.49
1	7Q	95	THR	CA-C-N	-14.18	102.19	122.19
1	1A	95	THR	CA-C-N	-14.18	102.19	122.19
1	1A	95	THR	C-N-CA	-14.18	102.19	122.19
2	1B	26	ALA	CA-C-N	14.18	137.57	119.84
2	1B	26	ALA	C-N-CA	14.18	137.57	119.84
2	1B	45	ALA	N-CA-CB	14.18	134.46	110.49
2	6R	45	ALA	N-CA-CB	14.18	134.46	110.49
1	1I	95	THR	CA-C-N	-14.18	102.19	122.19
1	1I	95	THR	C-N-CA	-14.18	102.19	122.19
2	1J	26	ALA	CA-C-N	14.18	137.57	119.84
2	1J	26	ALA	C-N-CA	14.18	137.57	119.84
2	1J	45	ALA	N-CA-CB	14.18	134.46	110.49
1	1M	95	THR	CA-C-N	-14.18	102.19	122.19
1	1M	95	THR	C-N-CA	-14.18	102.19	122.19
1	2I	95	THR	CA-C-N	-14.18	102.19	122.19
1	2I	95	THR	C-N-CA	-14.18	102.19	122.19
2	27	45	ALA	N-CA-CB	14.18	134.46	110.49
1	3A	95	THR	CA-C-N	-14.18	102.19	122.19
1	32	95	THR	CA-C-N	-14.18	102.19	122.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5R	45	ALA	N-CA-CB	14.18	134.46	110.49
1	6U	95	THR	CA-C-N	-14.18	102.19	122.19
1	2E	95	THR	CA-C-N	-14.18	102.19	122.19
1	2E	95	THR	C-N-CA	-14.18	102.19	122.19
2	2F	26	ALA	CA-C-N	14.18	137.57	119.84
2	2F	26	ALA	C-N-CA	14.18	137.57	119.84
1	26	95	THR	CA-C-N	-14.18	102.19	122.19
1	26	95	THR	C-N-CA	-14.18	102.19	122.19
2	27	26	ALA	CA-C-N	14.18	137.57	119.84
2	27	26	ALA	C-N-CA	14.18	137.57	119.84
1	3A	95	THR	C-N-CA	-14.18	102.19	122.19
1	3E	95	THR	CA-C-N	-14.18	102.19	122.19
1	3E	95	THR	C-N-CA	-14.18	102.19	122.19
2	3F	26	ALA	CA-C-N	14.18	137.57	119.84
2	3F	26	ALA	C-N-CA	14.18	137.57	119.84
1	3I	95	THR	CA-C-N	-14.18	102.19	122.19
1	3I	95	THR	C-N-CA	-14.18	102.19	122.19
1	32	95	THR	C-N-CA	-14.18	102.19	122.19
1	4E	95	THR	CA-C-N	-14.18	102.19	122.19
1	4A	95	THR	CA-C-N	-14.18	102.19	122.19
1	4A	95	THR	C-N-CA	-14.18	102.19	122.19
2	4B	26	ALA	CA-C-N	14.18	137.57	119.84
2	4B	26	ALA	C-N-CA	14.18	137.57	119.84
2	4B	45	ALA	N-CA-CB	14.18	134.46	110.49
1	4E	95	THR	C-N-CA	-14.18	102.19	122.19
2	4N	45	ALA	N-CA-CB	14.18	134.46	110.49
1	4Y	95	THR	CA-C-N	-14.18	102.19	122.19
1	5U	95	THR	CA-C-N	-14.18	102.19	122.19
2	6J	45	ALA	N-CA-CB	14.18	134.46	110.49
1	6U	95	THR	C-N-CA	-14.18	102.19	122.19
1	7E	95	THR	CA-C-N	-14.18	102.19	122.19
1	4M	95	THR	CA-C-N	-14.18	102.19	122.19
1	4M	95	THR	C-N-CA	-14.18	102.19	122.19
2	4N	26	ALA	CA-C-N	14.18	137.57	119.84
2	4N	26	ALA	C-N-CA	14.18	137.57	119.84
1	4U	95	THR	CA-C-N	-14.18	102.19	122.19
1	4U	95	THR	C-N-CA	-14.18	102.19	122.19
2	4V	26	ALA	CA-C-N	14.18	137.57	119.84
2	4V	26	ALA	C-N-CA	14.18	137.57	119.84
1	4Y	95	THR	C-N-CA	-14.18	102.19	122.19
1	5Q	95	THR	CA-C-N	-14.18	102.19	122.19
1	5Q	95	THR	C-N-CA	-14.18	102.19	122.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5R	26	ALA	CA-C-N	14.18	137.57	119.84
2	5R	26	ALA	C-N-CA	14.18	137.57	119.84
1	5U	95	THR	C-N-CA	-14.18	102.19	122.19
1	7E	95	THR	C-N-CA	-14.18	102.19	122.19
1	6I	95	THR	CA-C-N	-14.18	102.19	122.19
1	6I	95	THR	C-N-CA	-14.18	102.19	122.19
2	6J	26	ALA	CA-C-N	14.18	137.57	119.84
2	6J	26	ALA	C-N-CA	14.18	137.57	119.84
1	6M	95	THR	CA-C-N	-14.18	102.19	122.19
1	6M	95	THR	C-N-CA	-14.18	102.19	122.19
2	7N	45	ALA	N-CA-CB	14.18	134.46	110.49
1	7Q	95	THR	C-N-CA	-14.18	102.19	122.19
1	6Q	95	THR	CA-C-N	-14.18	102.19	122.19
1	6Q	95	THR	C-N-CA	-14.18	102.19	122.19
2	6R	26	ALA	CA-C-N	14.18	137.57	119.84
2	6R	26	ALA	C-N-CA	14.18	137.57	119.84
1	7M	95	THR	CA-C-N	-14.18	102.19	122.19
1	7M	95	THR	C-N-CA	-14.18	102.19	122.19
2	7N	26	ALA	CA-C-N	14.18	137.57	119.84
2	7N	26	ALA	C-N-CA	14.18	137.57	119.84
2	1N	45	ALA	N-CA-CB	14.18	134.46	110.49
2	2J	45	ALA	N-CA-CB	14.18	134.46	110.49
2	3B	45	ALA	N-CA-CB	14.18	134.46	110.49
2	3J	45	ALA	N-CA-CB	14.18	134.46	110.49
2	33	45	ALA	N-CA-CB	14.18	134.46	110.49
2	4F	45	ALA	N-CA-CB	14.18	134.46	110.49
2	4Z	45	ALA	N-CA-CB	14.18	134.46	110.49
2	5V	45	ALA	N-CA-CB	14.18	134.46	110.49
2	6N	45	ALA	N-CA-CB	14.18	134.46	110.49
2	6V	45	ALA	N-CA-CB	14.18	134.46	110.49
2	7F	45	ALA	N-CA-CB	14.18	134.46	110.49
2	7R	45	ALA	N-CA-CB	14.18	134.46	110.49
2	1R	38	VAL	CA-CB-CG2	14.18	134.50	110.40
2	1R	45	ALA	N-CA-CB	14.18	134.45	110.49
2	1V	38	VAL	CA-CB-CG2	14.18	134.50	110.40
2	1V	45	ALA	N-CA-CB	14.18	134.45	110.49
2	1Z	38	VAL	CA-CB-CG2	14.18	134.50	110.40
2	1Z	45	ALA	N-CA-CB	14.18	134.45	110.49
2	2R	38	VAL	CA-CB-CG2	14.18	134.50	110.40
2	2R	45	ALA	N-CA-CB	14.18	134.45	110.49
2	2V	38	VAL	CA-CB-CG2	14.18	134.50	110.40
2	2V	45	ALA	N-CA-CB	14.18	134.45	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2Z	38	VAL	CA-CB-CG2	14.18	134.50	110.40
2	2Z	45	ALA	N-CA-CB	14.18	134.45	110.49
2	43	38	VAL	CA-CB-CG2	14.18	134.50	110.40
2	43	45	ALA	N-CA-CB	14.18	134.45	110.49
2	47	38	VAL	CA-CB-CG2	14.18	134.50	110.40
2	47	45	ALA	N-CA-CB	14.18	134.45	110.49
2	5B	38	VAL	CA-CB-CG2	14.18	134.50	110.40
2	5B	45	ALA	N-CA-CB	14.18	134.45	110.49
2	53	38	VAL	CA-CB-CG2	14.18	134.50	110.40
2	53	45	ALA	N-CA-CB	14.18	134.45	110.49
2	57	38	VAL	CA-CB-CG2	14.18	134.50	110.40
2	57	45	ALA	N-CA-CB	14.18	134.45	110.49
2	6B	38	VAL	CA-CB-CG2	14.18	134.50	110.40
2	6B	45	ALA	N-CA-CB	14.18	134.45	110.49
1	1E	95	THR	CA-C-N	-14.17	102.21	122.19
1	1E	95	THR	C-N-CA	-14.17	102.21	122.19
2	1N	26	ALA	CA-C-N	14.17	137.55	119.84
2	1N	26	ALA	C-N-CA	14.17	137.55	119.84
2	2J	26	ALA	CA-C-N	14.17	137.55	119.84
2	2J	26	ALA	C-N-CA	14.17	137.55	119.84
1	2M	95	THR	CA-C-N	-14.17	102.21	122.19
1	2M	95	THR	C-N-CA	-14.17	102.21	122.19
1	22	95	THR	CA-C-N	-14.17	102.21	122.19
1	22	95	THR	C-N-CA	-14.17	102.21	122.19
2	3B	26	ALA	CA-C-N	14.17	137.55	119.84
2	3B	26	ALA	C-N-CA	14.17	137.55	119.84
2	3J	26	ALA	CA-C-N	14.17	137.55	119.84
2	3J	26	ALA	C-N-CA	14.17	137.55	119.84
1	3M	95	THR	CA-C-N	-14.17	102.21	122.19
1	3M	95	THR	C-N-CA	-14.17	102.21	122.19
2	33	26	ALA	CA-C-N	14.17	137.55	119.84
2	33	26	ALA	C-N-CA	14.17	137.55	119.84
1	36	95	THR	CA-C-N	-14.17	102.21	122.19
1	36	95	THR	C-N-CA	-14.17	102.21	122.19
2	4F	26	ALA	CA-C-N	14.17	137.55	119.84
2	4F	26	ALA	C-N-CA	14.17	137.55	119.84
1	4I	95	THR	CA-C-N	-14.17	102.21	122.19
1	4I	95	THR	C-N-CA	-14.17	102.21	122.19
1	4Q	95	THR	CA-C-N	-14.17	102.21	122.19
1	4Q	95	THR	C-N-CA	-14.17	102.21	122.19
2	4Z	26	ALA	CA-C-N	14.17	137.55	119.84
2	4Z	26	ALA	C-N-CA	14.17	137.55	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	26	ALA	CA-C-N	14.17	137.55	119.84
2	5V	26	ALA	C-N-CA	14.17	137.55	119.84
1	5Y	95	THR	CA-C-N	-14.17	102.21	122.19
1	5Y	95	THR	C-N-CA	-14.17	102.21	122.19
1	6E	95	THR	CA-C-N	-14.17	102.21	122.19
1	6E	95	THR	C-N-CA	-14.17	102.21	122.19
2	6N	26	ALA	CA-C-N	14.17	137.55	119.84
2	6N	26	ALA	C-N-CA	14.17	137.55	119.84
2	6V	26	ALA	CA-C-N	14.17	137.55	119.84
2	6V	26	ALA	C-N-CA	14.17	137.55	119.84
1	6Y	95	THR	CA-C-N	-14.17	102.21	122.19
1	6Y	95	THR	C-N-CA	-14.17	102.21	122.19
2	7F	26	ALA	CA-C-N	14.17	137.55	119.84
2	7F	26	ALA	C-N-CA	14.17	137.55	119.84
1	7I	95	THR	CA-C-N	-14.17	102.21	122.19
1	7I	95	THR	C-N-CA	-14.17	102.21	122.19
2	7R	26	ALA	CA-C-N	14.17	137.55	119.84
2	7R	26	ALA	C-N-CA	14.17	137.55	119.84
1	7U	95	THR	CA-C-N	-14.17	102.21	122.19
1	7U	95	THR	C-N-CA	-14.17	102.21	122.19
1	1E	151	ASN	OD1-CG-ND2	14.17	136.77	122.60
1	2M	151	ASN	OD1-CG-ND2	14.17	136.77	122.60
1	22	151	ASN	OD1-CG-ND2	14.17	136.77	122.60
1	3M	151	ASN	OD1-CG-ND2	14.17	136.77	122.60
1	36	151	ASN	OD1-CG-ND2	14.17	136.77	122.60
1	4I	151	ASN	OD1-CG-ND2	14.17	136.77	122.60
1	4Q	151	ASN	OD1-CG-ND2	14.17	136.77	122.60
1	5Y	151	ASN	OD1-CG-ND2	14.17	136.77	122.60
1	6E	151	ASN	OD1-CG-ND2	14.17	136.77	122.60
1	6Y	151	ASN	OD1-CG-ND2	14.17	136.77	122.60
1	7I	151	ASN	OD1-CG-ND2	14.17	136.77	122.60
1	7U	151	ASN	OD1-CG-ND2	14.17	136.77	122.60
2	1F	26	ALA	CA-C-N	14.16	137.54	119.84
2	1F	26	ALA	C-N-CA	14.16	137.54	119.84
2	2N	26	ALA	CA-C-N	14.16	137.54	119.84
2	2N	26	ALA	C-N-CA	14.16	137.54	119.84
2	23	26	ALA	CA-C-N	14.16	137.54	119.84
2	23	26	ALA	C-N-CA	14.16	137.54	119.84
2	3N	26	ALA	CA-C-N	14.16	137.54	119.84
2	3N	26	ALA	C-N-CA	14.16	137.54	119.84
2	37	26	ALA	CA-C-N	14.16	137.54	119.84
2	37	26	ALA	C-N-CA	14.16	137.54	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4J	26	ALA	CA-C-N	14.16	137.54	119.84
2	4J	26	ALA	C-N-CA	14.16	137.54	119.84
2	4R	26	ALA	CA-C-N	14.16	137.54	119.84
2	4R	26	ALA	C-N-CA	14.16	137.54	119.84
2	5Z	26	ALA	CA-C-N	14.16	137.54	119.84
2	5Z	26	ALA	C-N-CA	14.16	137.54	119.84
2	6F	26	ALA	CA-C-N	14.16	137.54	119.84
2	6F	26	ALA	C-N-CA	14.16	137.54	119.84
2	6Z	26	ALA	CA-C-N	14.16	137.54	119.84
2	6Z	26	ALA	C-N-CA	14.16	137.54	119.84
2	7J	26	ALA	CA-C-N	14.16	137.54	119.84
2	7J	26	ALA	C-N-CA	14.16	137.54	119.84
2	7V	26	ALA	CA-C-N	14.16	137.54	119.84
2	7V	26	ALA	C-N-CA	14.16	137.54	119.84
2	1N	47	ASP	CA-C-O	14.16	138.30	121.87
1	1Q	151	ASN	OD1-CG-ND2	14.16	136.76	122.60
1	1U	151	ASN	OD1-CG-ND2	14.16	136.76	122.60
1	1Y	151	ASN	OD1-CG-ND2	14.16	136.76	122.60
2	2J	47	ASP	CA-C-O	14.16	138.30	121.87
1	2Q	151	ASN	OD1-CG-ND2	14.16	136.76	122.60
1	2U	151	ASN	OD1-CG-ND2	14.16	136.76	122.60
1	2Y	151	ASN	OD1-CG-ND2	14.16	136.76	122.60
2	3B	47	ASP	CA-C-O	14.16	138.30	121.87
2	3J	47	ASP	CA-C-O	14.16	138.30	121.87
2	33	47	ASP	CA-C-O	14.16	138.30	121.87
2	4F	47	ASP	CA-C-O	14.16	138.30	121.87
2	4Z	47	ASP	CA-C-O	14.16	138.30	121.87
1	42	151	ASN	OD1-CG-ND2	14.16	136.76	122.60
1	46	151	ASN	OD1-CG-ND2	14.16	136.76	122.60
1	5A	151	ASN	OD1-CG-ND2	14.16	136.76	122.60
2	5V	47	ASP	CA-C-O	14.16	138.30	121.87
1	52	151	ASN	OD1-CG-ND2	14.16	136.76	122.60
1	56	151	ASN	OD1-CG-ND2	14.16	136.76	122.60
1	6A	151	ASN	OD1-CG-ND2	14.16	136.76	122.60
2	6N	47	ASP	CA-C-O	14.16	138.30	121.87
2	6V	47	ASP	CA-C-O	14.16	138.30	121.87
2	7F	47	ASP	CA-C-O	14.16	138.30	121.87
2	7R	47	ASP	CA-C-O	14.16	138.30	121.87
2	1F	47	ASP	CA-C-O	14.16	138.29	121.87
1	1Q	95	THR	CA-C-N	-14.16	102.23	122.19
1	1Q	95	THR	C-N-CA	-14.16	102.23	122.19
1	1U	95	THR	CA-C-N	-14.16	102.23	122.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1U	95	THR	C-N-CA	-14.16	102.23	122.19
1	1Y	95	THR	CA-C-N	-14.16	102.23	122.19
1	1Y	95	THR	C-N-CA	-14.16	102.23	122.19
2	13	26	ALA	CA-C-N	14.16	137.54	119.84
2	13	26	ALA	C-N-CA	14.16	137.54	119.84
2	17	26	ALA	CA-C-N	14.16	137.54	119.84
2	17	26	ALA	C-N-CA	14.16	137.54	119.84
2	2B	26	ALA	CA-C-N	14.16	137.54	119.84
2	2B	26	ALA	C-N-CA	14.16	137.54	119.84
2	2N	47	ASP	CA-C-O	14.16	138.29	121.87
1	2Q	95	THR	CA-C-N	-14.16	102.23	122.19
1	2Q	95	THR	C-N-CA	-14.16	102.23	122.19
1	2U	95	THR	CA-C-N	-14.16	102.23	122.19
1	2U	95	THR	C-N-CA	-14.16	102.23	122.19
1	2Y	95	THR	CA-C-N	-14.16	102.23	122.19
1	2Y	95	THR	C-N-CA	-14.16	102.23	122.19
2	23	47	ASP	CA-C-O	14.16	138.29	121.87
2	3N	47	ASP	CA-C-O	14.16	138.29	121.87
2	3R	26	ALA	CA-C-N	14.16	137.54	119.84
2	3R	26	ALA	C-N-CA	14.16	137.54	119.84
2	3V	26	ALA	CA-C-N	14.16	137.54	119.84
2	3V	26	ALA	C-N-CA	14.16	137.54	119.84
2	3Z	26	ALA	CA-C-N	14.16	137.54	119.84
2	3Z	26	ALA	C-N-CA	14.16	137.54	119.84
2	37	47	ASP	CA-C-O	14.16	138.29	121.87
2	4J	47	ASP	CA-C-O	14.16	138.29	121.87
2	4R	47	ASP	CA-C-O	14.16	138.29	121.87
1	42	95	THR	CA-C-N	-14.16	102.23	122.19
1	42	95	THR	C-N-CA	-14.16	102.23	122.19
1	46	95	THR	CA-C-N	-14.16	102.23	122.19
1	46	95	THR	C-N-CA	-14.16	102.23	122.19
1	5A	95	THR	CA-C-N	-14.16	102.23	122.19
1	5A	95	THR	C-N-CA	-14.16	102.23	122.19
2	5F	26	ALA	CA-C-N	14.16	137.54	119.84
2	5F	26	ALA	C-N-CA	14.16	137.54	119.84
2	5J	26	ALA	CA-C-N	14.16	137.54	119.84
2	5J	26	ALA	C-N-CA	14.16	137.54	119.84
2	5N	26	ALA	CA-C-N	14.16	137.54	119.84
2	5N	26	ALA	C-N-CA	14.16	137.54	119.84
2	5Z	47	ASP	CA-C-O	14.16	138.29	121.87
1	52	95	THR	CA-C-N	-14.16	102.23	122.19
1	52	95	THR	C-N-CA	-14.16	102.23	122.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	95	THR	CA-C-N	-14.16	102.23	122.19
1	56	95	THR	C-N-CA	-14.16	102.23	122.19
1	6A	95	THR	CA-C-N	-14.16	102.23	122.19
1	6A	95	THR	C-N-CA	-14.16	102.23	122.19
2	6F	47	ASP	CA-C-O	14.16	138.29	121.87
2	6Z	47	ASP	CA-C-O	14.16	138.29	121.87
2	63	26	ALA	CA-C-N	14.16	137.54	119.84
2	63	26	ALA	C-N-CA	14.16	137.54	119.84
2	67	26	ALA	CA-C-N	14.16	137.54	119.84
2	67	26	ALA	C-N-CA	14.16	137.54	119.84
2	7B	26	ALA	CA-C-N	14.16	137.54	119.84
2	7B	26	ALA	C-N-CA	14.16	137.54	119.84
2	7J	47	ASP	CA-C-O	14.16	138.29	121.87
2	7V	47	ASP	CA-C-O	14.16	138.29	121.87
1	12	151	ASN	OD1-CG-ND2	14.15	136.75	122.60
1	16	151	ASN	OD1-CG-ND2	14.15	136.75	122.60
1	2A	151	ASN	OD1-CG-ND2	14.15	136.75	122.60
1	3Q	151	ASN	OD1-CG-ND2	14.15	136.75	122.60
1	3U	151	ASN	OD1-CG-ND2	14.15	136.75	122.60
1	3Y	151	ASN	OD1-CG-ND2	14.15	136.75	122.60
1	5E	151	ASN	OD1-CG-ND2	14.15	136.75	122.60
1	5I	151	ASN	OD1-CG-ND2	14.15	136.75	122.60
1	5M	151	ASN	OD1-CG-ND2	14.15	136.75	122.60
1	62	151	ASN	OD1-CG-ND2	14.15	136.75	122.60
1	66	151	ASN	OD1-CG-ND2	14.15	136.75	122.60
1	7A	151	ASN	OD1-CG-ND2	14.15	136.75	122.60
2	13	47	ASP	CA-C-O	14.15	138.28	121.87
2	17	47	ASP	CA-C-O	14.15	138.28	121.87
2	2B	47	ASP	CA-C-O	14.15	138.28	121.87
2	3R	47	ASP	CA-C-O	14.15	138.28	121.87
2	3V	47	ASP	CA-C-O	14.15	138.28	121.87
2	3Z	47	ASP	CA-C-O	14.15	138.28	121.87
2	5F	47	ASP	CA-C-O	14.15	138.28	121.87
2	5J	47	ASP	CA-C-O	14.15	138.28	121.87
2	5N	47	ASP	CA-C-O	14.15	138.28	121.87
2	63	47	ASP	CA-C-O	14.15	138.28	121.87
2	67	47	ASP	CA-C-O	14.15	138.28	121.87
2	7B	47	ASP	CA-C-O	14.15	138.28	121.87
2	1R	26	ALA	CA-C-N	14.14	137.52	119.84
2	1R	26	ALA	C-N-CA	14.14	137.52	119.84
2	1R	47	ASP	CA-C-O	14.14	138.28	121.87
2	1V	26	ALA	CA-C-N	14.14	137.52	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1V	26	ALA	C-N-CA	14.14	137.52	119.84
2	1V	47	ASP	CA-C-O	14.14	138.28	121.87
2	1Z	26	ALA	CA-C-N	14.14	137.52	119.84
2	1Z	26	ALA	C-N-CA	14.14	137.52	119.84
2	1Z	47	ASP	CA-C-O	14.14	138.28	121.87
2	2R	26	ALA	CA-C-N	14.14	137.52	119.84
2	2R	26	ALA	C-N-CA	14.14	137.52	119.84
2	2R	47	ASP	CA-C-O	14.14	138.28	121.87
2	2V	26	ALA	CA-C-N	14.14	137.52	119.84
2	2V	26	ALA	C-N-CA	14.14	137.52	119.84
2	2V	47	ASP	CA-C-O	14.14	138.28	121.87
2	2Z	26	ALA	CA-C-N	14.14	137.52	119.84
2	2Z	26	ALA	C-N-CA	14.14	137.52	119.84
2	2Z	47	ASP	CA-C-O	14.14	138.28	121.87
2	43	26	ALA	CA-C-N	14.14	137.52	119.84
2	43	26	ALA	C-N-CA	14.14	137.52	119.84
2	43	47	ASP	CA-C-O	14.14	138.28	121.87
2	47	26	ALA	CA-C-N	14.14	137.52	119.84
2	47	26	ALA	C-N-CA	14.14	137.52	119.84
2	47	47	ASP	CA-C-O	14.14	138.28	121.87
2	5B	26	ALA	CA-C-N	14.14	137.52	119.84
2	5B	26	ALA	C-N-CA	14.14	137.52	119.84
2	5B	47	ASP	CA-C-O	14.14	138.28	121.87
2	53	26	ALA	CA-C-N	14.14	137.52	119.84
2	53	26	ALA	C-N-CA	14.14	137.52	119.84
2	53	47	ASP	CA-C-O	14.14	138.28	121.87
2	57	26	ALA	CA-C-N	14.14	137.52	119.84
2	57	26	ALA	C-N-CA	14.14	137.52	119.84
2	57	47	ASP	CA-C-O	14.14	138.28	121.87
2	6B	26	ALA	CA-C-N	14.14	137.52	119.84
2	6B	26	ALA	C-N-CA	14.14	137.52	119.84
2	6B	47	ASP	CA-C-O	14.14	138.28	121.87
1	1A	151	ASN	OD1-CG-ND2	14.14	136.74	122.60
1	1I	151	ASN	OD1-CG-ND2	14.14	136.74	122.60
1	2E	151	ASN	OD1-CG-ND2	14.14	136.74	122.60
1	26	151	ASN	OD1-CG-ND2	14.14	136.74	122.60
1	3E	151	ASN	OD1-CG-ND2	14.14	136.74	122.60
1	4A	151	ASN	OD1-CG-ND2	14.14	136.74	122.60
1	4M	151	ASN	OD1-CG-ND2	14.14	136.74	122.60
1	4U	151	ASN	OD1-CG-ND2	14.14	136.74	122.60
1	5Q	151	ASN	OD1-CG-ND2	14.14	136.74	122.60
1	6I	151	ASN	OD1-CG-ND2	14.14	136.74	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	151	ASN	OD1-CG-ND2	14.14	136.74	122.60
1	7M	151	ASN	OD1-CG-ND2	14.14	136.74	122.60
2	1B	47	ASP	CA-C-O	14.14	138.27	121.87
2	1J	47	ASP	CA-C-O	14.14	138.27	121.87
2	2F	47	ASP	CA-C-O	14.14	138.27	121.87
2	27	47	ASP	CA-C-O	14.14	138.27	121.87
2	3F	47	ASP	CA-C-O	14.14	138.27	121.87
2	4B	47	ASP	CA-C-O	14.14	138.27	121.87
2	4N	47	ASP	CA-C-O	14.14	138.27	121.87
2	4V	47	ASP	CA-C-O	14.14	138.27	121.87
2	5R	47	ASP	CA-C-O	14.14	138.27	121.87
2	6J	47	ASP	CA-C-O	14.14	138.27	121.87
2	6R	47	ASP	CA-C-O	14.14	138.27	121.87
2	7N	47	ASP	CA-C-O	14.14	138.27	121.87
1	1M	151	ASN	OD1-CG-ND2	14.12	136.72	122.60
1	2I	151	ASN	OD1-CG-ND2	14.12	136.72	122.60
1	3A	151	ASN	OD1-CG-ND2	14.12	136.72	122.60
1	3I	151	ASN	OD1-CG-ND2	14.12	136.72	122.60
1	32	151	ASN	OD1-CG-ND2	14.12	136.72	122.60
1	4E	151	ASN	OD1-CG-ND2	14.12	136.72	122.60
1	4Y	151	ASN	OD1-CG-ND2	14.12	136.72	122.60
1	5U	151	ASN	OD1-CG-ND2	14.12	136.72	122.60
1	6M	151	ASN	OD1-CG-ND2	14.12	136.72	122.60
1	6U	151	ASN	OD1-CG-ND2	14.12	136.72	122.60
1	7E	151	ASN	OD1-CG-ND2	14.12	136.72	122.60
1	7Q	151	ASN	OD1-CG-ND2	14.12	136.72	122.60
2	13	5	ASN	CB-CG-OD1	14.10	149.00	120.80
2	17	5	ASN	CB-CG-OD1	14.10	149.00	120.80
2	2B	5	ASN	CB-CG-OD1	14.10	149.00	120.80
2	3R	5	ASN	CB-CG-OD1	14.10	149.00	120.80
2	3V	5	ASN	CB-CG-OD1	14.10	149.00	120.80
2	3Z	5	ASN	CB-CG-OD1	14.10	149.00	120.80
2	5F	5	ASN	CB-CG-OD1	14.10	149.00	120.80
2	5J	5	ASN	CB-CG-OD1	14.10	149.00	120.80
2	5N	5	ASN	CB-CG-OD1	14.10	149.00	120.80
2	63	5	ASN	CB-CG-OD1	14.10	149.00	120.80
2	67	5	ASN	CB-CG-OD1	14.10	149.00	120.80
2	7B	5	ASN	CB-CG-OD1	14.10	149.00	120.80
2	1N	5	ASN	CB-CG-OD1	14.08	148.96	120.80
2	2J	5	ASN	CB-CG-OD1	14.08	148.96	120.80
2	3B	5	ASN	CB-CG-OD1	14.08	148.96	120.80
2	3J	5	ASN	CB-CG-OD1	14.08	148.96	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	5	ASN	CB-CG-OD1	14.08	148.96	120.80
2	4F	5	ASN	CB-CG-OD1	14.08	148.96	120.80
2	4Z	5	ASN	CB-CG-OD1	14.08	148.96	120.80
2	5V	5	ASN	CB-CG-OD1	14.08	148.96	120.80
2	6N	5	ASN	CB-CG-OD1	14.08	148.96	120.80
2	6V	5	ASN	CB-CG-OD1	14.08	148.96	120.80
2	7F	5	ASN	CB-CG-OD1	14.08	148.96	120.80
2	7R	5	ASN	CB-CG-OD1	14.08	148.96	120.80
2	1B	5	ASN	CB-CG-OD1	14.06	148.93	120.80
2	1J	5	ASN	CB-CG-OD1	14.06	148.93	120.80
2	2F	5	ASN	CB-CG-OD1	14.06	148.93	120.80
2	27	5	ASN	CB-CG-OD1	14.06	148.93	120.80
2	3F	5	ASN	CB-CG-OD1	14.06	148.93	120.80
2	4B	5	ASN	CB-CG-OD1	14.06	148.93	120.80
2	4N	5	ASN	CB-CG-OD1	14.06	148.93	120.80
2	4V	5	ASN	CB-CG-OD1	14.06	148.93	120.80
2	5R	5	ASN	CB-CG-OD1	14.06	148.93	120.80
2	6J	5	ASN	CB-CG-OD1	14.06	148.93	120.80
2	6R	5	ASN	CB-CG-OD1	14.06	148.93	120.80
2	7N	5	ASN	CB-CG-OD1	14.06	148.93	120.80
2	1R	5	ASN	CB-CG-OD1	14.05	148.90	120.80
2	1V	5	ASN	CB-CG-OD1	14.05	148.90	120.80
2	1Z	5	ASN	CB-CG-OD1	14.05	148.90	120.80
2	2R	5	ASN	CB-CG-OD1	14.05	148.90	120.80
2	2V	5	ASN	CB-CG-OD1	14.05	148.90	120.80
2	2Z	5	ASN	CB-CG-OD1	14.05	148.90	120.80
2	43	5	ASN	CB-CG-OD1	14.05	148.90	120.80
2	47	5	ASN	CB-CG-OD1	14.05	148.90	120.80
2	5B	5	ASN	CB-CG-OD1	14.05	148.90	120.80
2	53	5	ASN	CB-CG-OD1	14.05	148.90	120.80
2	57	5	ASN	CB-CG-OD1	14.05	148.90	120.80
2	6B	5	ASN	CB-CG-OD1	14.05	148.90	120.80
1	1E	152	SER	O-C-N	14.05	136.70	122.09
1	2M	152	SER	O-C-N	14.05	136.70	122.09
1	22	152	SER	O-C-N	14.05	136.70	122.09
1	3M	152	SER	O-C-N	14.05	136.70	122.09
1	36	152	SER	O-C-N	14.05	136.70	122.09
1	4I	152	SER	O-C-N	14.05	136.70	122.09
1	4Q	152	SER	O-C-N	14.05	136.70	122.09
1	5Y	152	SER	O-C-N	14.05	136.70	122.09
1	6E	152	SER	O-C-N	14.05	136.70	122.09
1	6Y	152	SER	O-C-N	14.05	136.70	122.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	152	SER	O-C-N	14.05	136.70	122.09
1	7U	152	SER	O-C-N	14.05	136.70	122.09
2	1F	5	ASN	CB-CG-OD1	14.04	148.87	120.80
2	13	222	GLN	O-C-N	14.03	139.88	122.34
2	17	222	GLN	O-C-N	14.03	139.88	122.34
2	2B	222	GLN	O-C-N	14.03	139.88	122.34
2	2N	5	ASN	CB-CG-OD1	14.04	148.87	120.80
2	23	5	ASN	CB-CG-OD1	14.04	148.87	120.80
2	3N	5	ASN	CB-CG-OD1	14.04	148.87	120.80
2	3R	222	GLN	O-C-N	14.03	139.88	122.34
2	3V	222	GLN	O-C-N	14.03	139.88	122.34
2	3Z	222	GLN	O-C-N	14.03	139.88	122.34
2	37	5	ASN	CB-CG-OD1	14.04	148.87	120.80
2	4J	5	ASN	CB-CG-OD1	14.04	148.87	120.80
2	4R	5	ASN	CB-CG-OD1	14.04	148.87	120.80
2	5F	222	GLN	O-C-N	14.03	139.88	122.34
2	5J	222	GLN	O-C-N	14.03	139.88	122.34
2	5N	222	GLN	O-C-N	14.03	139.88	122.34
2	5Z	5	ASN	CB-CG-OD1	14.04	148.87	120.80
2	6F	5	ASN	CB-CG-OD1	14.04	148.87	120.80
2	6Z	5	ASN	CB-CG-OD1	14.04	148.87	120.80
2	63	222	GLN	O-C-N	14.03	139.88	122.34
2	67	222	GLN	O-C-N	14.03	139.88	122.34
2	7B	222	GLN	O-C-N	14.03	139.88	122.34
2	7J	5	ASN	CB-CG-OD1	14.04	148.87	120.80
2	7V	5	ASN	CB-CG-OD1	14.04	148.87	120.80
1	12	152	SER	O-C-N	14.03	136.68	122.09
1	16	152	SER	O-C-N	14.03	136.68	122.09
1	2A	152	SER	O-C-N	14.03	136.68	122.09
1	3Q	152	SER	O-C-N	14.03	136.68	122.09
1	3U	152	SER	O-C-N	14.03	136.68	122.09
1	3Y	152	SER	O-C-N	14.03	136.68	122.09
1	5E	152	SER	O-C-N	14.03	136.68	122.09
1	5I	152	SER	O-C-N	14.03	136.68	122.09
1	5M	152	SER	O-C-N	14.03	136.68	122.09
1	62	152	SER	O-C-N	14.03	136.68	122.09
1	66	152	SER	O-C-N	14.03	136.68	122.09
1	7A	152	SER	O-C-N	14.03	136.68	122.09
2	1B	222	GLN	O-C-N	14.02	139.86	122.34
2	1J	222	GLN	O-C-N	14.02	139.86	122.34
2	2F	222	GLN	O-C-N	14.02	139.86	122.34
2	27	222	GLN	O-C-N	14.02	139.86	122.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	222	GLN	O-C-N	14.02	139.86	122.34
2	4B	222	GLN	O-C-N	14.02	139.86	122.34
2	4N	222	GLN	O-C-N	14.02	139.86	122.34
2	4V	222	GLN	O-C-N	14.02	139.86	122.34
2	5R	222	GLN	O-C-N	14.02	139.86	122.34
2	6J	222	GLN	O-C-N	14.02	139.86	122.34
2	6R	222	GLN	O-C-N	14.02	139.86	122.34
2	7N	222	GLN	O-C-N	14.02	139.86	122.34
1	1M	152	SER	O-C-N	14.01	136.66	122.09
1	2I	152	SER	O-C-N	14.01	136.66	122.09
1	3A	152	SER	O-C-N	14.01	136.66	122.09
1	3I	152	SER	O-C-N	14.01	136.66	122.09
1	32	152	SER	O-C-N	14.01	136.66	122.09
1	4E	152	SER	O-C-N	14.01	136.66	122.09
1	4Y	152	SER	O-C-N	14.01	136.66	122.09
1	5U	152	SER	O-C-N	14.01	136.66	122.09
1	6M	152	SER	O-C-N	14.01	136.66	122.09
1	6U	152	SER	O-C-N	14.01	136.66	122.09
1	7E	152	SER	O-C-N	14.01	136.66	122.09
1	7Q	152	SER	O-C-N	14.01	136.66	122.09
2	1N	222	GLN	O-C-N	14.01	139.85	122.34
2	2J	222	GLN	O-C-N	14.01	139.85	122.34
2	3B	222	GLN	O-C-N	14.01	139.85	122.34
2	3J	222	GLN	O-C-N	14.01	139.85	122.34
2	33	222	GLN	O-C-N	14.01	139.85	122.34
2	4F	222	GLN	O-C-N	14.01	139.85	122.34
2	4Z	222	GLN	O-C-N	14.01	139.85	122.34
2	5V	222	GLN	O-C-N	14.01	139.85	122.34
2	6N	222	GLN	O-C-N	14.01	139.85	122.34
2	6V	222	GLN	O-C-N	14.01	139.85	122.34
2	7F	222	GLN	O-C-N	14.01	139.85	122.34
2	7R	222	GLN	O-C-N	14.01	139.85	122.34
1	1A	152	SER	O-C-N	14.01	136.66	122.09
1	1I	152	SER	O-C-N	14.01	136.66	122.09
1	2E	152	SER	O-C-N	14.01	136.66	122.09
1	26	152	SER	O-C-N	14.01	136.66	122.09
1	3E	152	SER	O-C-N	14.01	136.66	122.09
1	4A	152	SER	O-C-N	14.01	136.66	122.09
1	4M	152	SER	O-C-N	14.01	136.66	122.09
1	4U	152	SER	O-C-N	14.01	136.66	122.09
1	5Q	152	SER	O-C-N	14.01	136.66	122.09
1	6I	152	SER	O-C-N	14.01	136.66	122.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	152	SER	O-C-N	14.01	136.66	122.09
1	7M	152	SER	O-C-N	14.01	136.66	122.09
2	1R	222	GLN	O-C-N	14.01	139.85	122.34
2	1V	222	GLN	O-C-N	14.01	139.85	122.34
2	1Z	222	GLN	O-C-N	14.01	139.85	122.34
2	2R	222	GLN	O-C-N	14.01	139.85	122.34
2	2V	222	GLN	O-C-N	14.01	139.85	122.34
2	2Z	222	GLN	O-C-N	14.01	139.85	122.34
2	43	222	GLN	O-C-N	14.01	139.85	122.34
2	47	222	GLN	O-C-N	14.01	139.85	122.34
2	5B	222	GLN	O-C-N	14.01	139.85	122.34
2	53	222	GLN	O-C-N	14.01	139.85	122.34
2	57	222	GLN	O-C-N	14.01	139.85	122.34
2	6B	222	GLN	O-C-N	14.01	139.85	122.34
2	1F	222	GLN	O-C-N	13.99	139.83	122.34
1	1Q	152	SER	O-C-N	13.99	136.64	122.09
1	1U	152	SER	O-C-N	13.99	136.64	122.09
1	1Y	152	SER	O-C-N	13.99	136.64	122.09
2	2N	222	GLN	O-C-N	13.99	139.83	122.34
1	2Q	152	SER	O-C-N	13.99	136.64	122.09
1	2U	152	SER	O-C-N	13.99	136.64	122.09
1	2Y	152	SER	O-C-N	13.99	136.64	122.09
2	23	222	GLN	O-C-N	13.99	139.83	122.34
2	3N	222	GLN	O-C-N	13.99	139.83	122.34
2	37	222	GLN	O-C-N	13.99	139.83	122.34
2	4J	222	GLN	O-C-N	13.99	139.83	122.34
2	4R	222	GLN	O-C-N	13.99	139.83	122.34
1	42	152	SER	O-C-N	13.99	136.64	122.09
1	46	152	SER	O-C-N	13.99	136.64	122.09
1	5A	152	SER	O-C-N	13.99	136.64	122.09
2	5Z	222	GLN	O-C-N	13.99	139.83	122.34
1	52	152	SER	O-C-N	13.99	136.64	122.09
1	56	152	SER	O-C-N	13.99	136.64	122.09
1	6A	152	SER	O-C-N	13.99	136.64	122.09
2	6F	222	GLN	O-C-N	13.99	139.83	122.34
2	6Z	222	GLN	O-C-N	13.99	139.83	122.34
2	7J	222	GLN	O-C-N	13.99	139.83	122.34
2	7V	222	GLN	O-C-N	13.99	139.83	122.34
1	1Q	21	ASN	OD1-CG-ND2	-13.93	108.67	122.60
1	1U	21	ASN	OD1-CG-ND2	-13.93	108.67	122.60
1	1Y	21	ASN	OD1-CG-ND2	-13.93	108.67	122.60
1	2Q	21	ASN	OD1-CG-ND2	-13.93	108.67	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	21	ASN	OD1-CG-ND2	-13.93	108.67	122.60
1	2Y	21	ASN	OD1-CG-ND2	-13.93	108.67	122.60
1	42	21	ASN	OD1-CG-ND2	-13.93	108.67	122.60
1	46	21	ASN	OD1-CG-ND2	-13.93	108.67	122.60
1	5A	21	ASN	OD1-CG-ND2	-13.93	108.67	122.60
1	52	21	ASN	OD1-CG-ND2	-13.93	108.67	122.60
1	56	21	ASN	OD1-CG-ND2	-13.93	108.67	122.60
1	6A	21	ASN	OD1-CG-ND2	-13.93	108.67	122.60
1	1E	21	ASN	OD1-CG-ND2	-13.92	108.68	122.60
1	2M	21	ASN	OD1-CG-ND2	-13.92	108.68	122.60
1	22	21	ASN	OD1-CG-ND2	-13.92	108.68	122.60
1	3M	21	ASN	OD1-CG-ND2	-13.92	108.68	122.60
1	36	21	ASN	OD1-CG-ND2	-13.92	108.68	122.60
1	4I	21	ASN	OD1-CG-ND2	-13.92	108.68	122.60
1	4Q	21	ASN	OD1-CG-ND2	-13.92	108.68	122.60
1	5Y	21	ASN	OD1-CG-ND2	-13.92	108.68	122.60
1	6E	21	ASN	OD1-CG-ND2	-13.92	108.68	122.60
1	6Y	21	ASN	OD1-CG-ND2	-13.92	108.68	122.60
1	7I	21	ASN	OD1-CG-ND2	-13.92	108.68	122.60
1	7U	21	ASN	OD1-CG-ND2	-13.92	108.68	122.60
1	1A	37	ALA	N-CA-C	-13.89	95.72	108.22
1	1I	37	ALA	N-CA-C	-13.89	95.72	108.22
1	2E	37	ALA	N-CA-C	-13.89	95.72	108.22
1	26	37	ALA	N-CA-C	-13.89	95.72	108.22
1	3E	37	ALA	N-CA-C	-13.89	95.72	108.22
1	4A	37	ALA	N-CA-C	-13.89	95.72	108.22
1	4M	37	ALA	N-CA-C	-13.89	95.72	108.22
1	4U	37	ALA	N-CA-C	-13.89	95.72	108.22
1	5Q	37	ALA	N-CA-C	-13.89	95.72	108.22
1	6I	37	ALA	N-CA-C	-13.89	95.72	108.22
1	6Q	37	ALA	N-CA-C	-13.89	95.72	108.22
1	7M	37	ALA	N-CA-C	-13.89	95.72	108.22
1	1A	21	ASN	OD1-CG-ND2	-13.89	108.71	122.60
1	1E	37	ALA	N-CA-C	-13.89	95.72	108.22
1	1I	21	ASN	OD1-CG-ND2	-13.89	108.71	122.60
1	1Q	37	ALA	N-CA-C	-13.88	95.72	108.22
1	1U	37	ALA	N-CA-C	-13.88	95.72	108.22
1	1Y	37	ALA	N-CA-C	-13.88	95.72	108.22
1	2E	21	ASN	OD1-CG-ND2	-13.89	108.71	122.60
1	2M	37	ALA	N-CA-C	-13.89	95.72	108.22
1	2Q	37	ALA	N-CA-C	-13.88	95.72	108.22
1	2U	37	ALA	N-CA-C	-13.88	95.72	108.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2Y	37	ALA	N-CA-C	-13.88	95.72	108.22
1	22	37	ALA	N-CA-C	-13.89	95.72	108.22
1	26	21	ASN	OD1-CG-ND2	-13.89	108.71	122.60
1	3E	21	ASN	OD1-CG-ND2	-13.89	108.71	122.60
1	3M	37	ALA	N-CA-C	-13.89	95.72	108.22
1	36	37	ALA	N-CA-C	-13.89	95.72	108.22
1	4A	21	ASN	OD1-CG-ND2	-13.89	108.71	122.60
1	4I	37	ALA	N-CA-C	-13.89	95.72	108.22
1	4M	21	ASN	OD1-CG-ND2	-13.89	108.71	122.60
1	4Q	37	ALA	N-CA-C	-13.89	95.72	108.22
1	4U	21	ASN	OD1-CG-ND2	-13.89	108.71	122.60
1	42	37	ALA	N-CA-C	-13.88	95.72	108.22
1	46	37	ALA	N-CA-C	-13.88	95.72	108.22
1	5A	37	ALA	N-CA-C	-13.88	95.72	108.22
1	5Q	21	ASN	OD1-CG-ND2	-13.89	108.71	122.60
1	5Y	37	ALA	N-CA-C	-13.89	95.72	108.22
1	52	37	ALA	N-CA-C	-13.88	95.72	108.22
1	56	37	ALA	N-CA-C	-13.88	95.72	108.22
1	6A	37	ALA	N-CA-C	-13.88	95.72	108.22
1	6E	37	ALA	N-CA-C	-13.89	95.72	108.22
1	6I	21	ASN	OD1-CG-ND2	-13.89	108.71	122.60
1	6Q	21	ASN	OD1-CG-ND2	-13.89	108.71	122.60
1	6Y	37	ALA	N-CA-C	-13.89	95.72	108.22
1	7I	37	ALA	N-CA-C	-13.89	95.72	108.22
1	7M	21	ASN	OD1-CG-ND2	-13.89	108.71	122.60
1	7U	37	ALA	N-CA-C	-13.89	95.72	108.22
2	1F	7	ASN	CA-C-O	-13.88	100.67	120.51
1	1M	21	ASN	OD1-CG-ND2	-13.88	108.72	122.60
1	2I	21	ASN	OD1-CG-ND2	-13.88	108.72	122.60
2	2N	7	ASN	CA-C-O	-13.88	100.67	120.51
2	23	7	ASN	CA-C-O	-13.88	100.67	120.51
1	3A	21	ASN	OD1-CG-ND2	-13.88	108.72	122.60
1	3I	21	ASN	OD1-CG-ND2	-13.88	108.72	122.60
2	3N	7	ASN	CA-C-O	-13.88	100.67	120.51
1	32	21	ASN	OD1-CG-ND2	-13.88	108.72	122.60
2	37	7	ASN	CA-C-O	-13.88	100.67	120.51
1	4E	21	ASN	OD1-CG-ND2	-13.88	108.72	122.60
2	4J	7	ASN	CA-C-O	-13.88	100.67	120.51
2	4R	7	ASN	CA-C-O	-13.88	100.67	120.51
1	4Y	21	ASN	OD1-CG-ND2	-13.88	108.72	122.60
1	5U	21	ASN	OD1-CG-ND2	-13.88	108.72	122.60
2	5Z	7	ASN	CA-C-O	-13.88	100.67	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	7	ASN	CA-C-O	-13.88	100.67	120.51
1	6M	21	ASN	OD1-CG-ND2	-13.88	108.72	122.60
1	6U	21	ASN	OD1-CG-ND2	-13.88	108.72	122.60
2	6Z	7	ASN	CA-C-O	-13.88	100.67	120.51
1	7E	21	ASN	OD1-CG-ND2	-13.88	108.72	122.60
2	7J	7	ASN	CA-C-O	-13.88	100.67	120.51
1	7Q	21	ASN	OD1-CG-ND2	-13.88	108.72	122.60
2	7V	7	ASN	CA-C-O	-13.88	100.67	120.51
2	1B	7	ASN	CA-C-O	-13.87	100.67	120.51
2	1J	7	ASN	CA-C-O	-13.87	100.67	120.51
2	2F	7	ASN	CA-C-O	-13.87	100.67	120.51
2	27	7	ASN	CA-C-O	-13.87	100.67	120.51
2	3F	7	ASN	CA-C-O	-13.87	100.67	120.51
2	4B	7	ASN	CA-C-O	-13.87	100.67	120.51
2	4N	7	ASN	CA-C-O	-13.87	100.67	120.51
2	4V	7	ASN	CA-C-O	-13.87	100.67	120.51
2	5R	7	ASN	CA-C-O	-13.87	100.67	120.51
2	6J	7	ASN	CA-C-O	-13.87	100.67	120.51
2	6R	7	ASN	CA-C-O	-13.87	100.67	120.51
2	7N	7	ASN	CA-C-O	-13.87	100.67	120.51
1	1Q	30	PHE	CD1-CG-CD2	13.87	139.40	118.60
1	1U	30	PHE	CD1-CG-CD2	13.87	139.40	118.60
1	1Y	30	PHE	CD1-CG-CD2	13.87	139.40	118.60
1	2Q	30	PHE	CD1-CG-CD2	13.87	139.40	118.60
1	2U	30	PHE	CD1-CG-CD2	13.87	139.40	118.60
1	2Y	30	PHE	CD1-CG-CD2	13.87	139.40	118.60
1	42	30	PHE	CD1-CG-CD2	13.87	139.40	118.60
1	46	30	PHE	CD1-CG-CD2	13.87	139.40	118.60
1	5A	30	PHE	CD1-CG-CD2	13.87	139.40	118.60
1	52	30	PHE	CD1-CG-CD2	13.87	139.40	118.60
1	56	30	PHE	CD1-CG-CD2	13.87	139.40	118.60
1	6A	30	PHE	CD1-CG-CD2	13.87	139.40	118.60
1	12	21	ASN	OD1-CG-ND2	-13.86	108.74	122.60
1	16	21	ASN	OD1-CG-ND2	-13.86	108.74	122.60
1	2A	21	ASN	OD1-CG-ND2	-13.86	108.74	122.60
1	3Q	21	ASN	OD1-CG-ND2	-13.86	108.74	122.60
1	3U	21	ASN	OD1-CG-ND2	-13.86	108.74	122.60
1	3Y	21	ASN	OD1-CG-ND2	-13.86	108.74	122.60
1	5E	21	ASN	OD1-CG-ND2	-13.86	108.74	122.60
1	5I	21	ASN	OD1-CG-ND2	-13.86	108.74	122.60
1	5M	21	ASN	OD1-CG-ND2	-13.86	108.74	122.60
1	62	21	ASN	OD1-CG-ND2	-13.86	108.74	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	21	ASN	OD1-CG-ND2	-13.86	108.74	122.60
1	7A	21	ASN	OD1-CG-ND2	-13.86	108.74	122.60
1	1E	30	PHE	CG-CD1-CE1	-13.86	97.14	120.70
1	12	37	ALA	N-CA-C	-13.86	95.74	108.22
1	16	37	ALA	N-CA-C	-13.86	95.74	108.22
1	2A	37	ALA	N-CA-C	-13.86	95.74	108.22
1	2M	30	PHE	CG-CD1-CE1	-13.86	97.14	120.70
1	22	30	PHE	CG-CD1-CE1	-13.86	97.14	120.70
1	3M	30	PHE	CG-CD1-CE1	-13.86	97.14	120.70
1	3Q	37	ALA	N-CA-C	-13.86	95.74	108.22
1	3U	37	ALA	N-CA-C	-13.86	95.74	108.22
1	3Y	37	ALA	N-CA-C	-13.86	95.74	108.22
1	36	30	PHE	CG-CD1-CE1	-13.86	97.14	120.70
1	4I	30	PHE	CG-CD1-CE1	-13.86	97.14	120.70
1	4Q	30	PHE	CG-CD1-CE1	-13.86	97.14	120.70
1	5E	37	ALA	N-CA-C	-13.86	95.74	108.22
1	5I	37	ALA	N-CA-C	-13.86	95.74	108.22
1	5M	37	ALA	N-CA-C	-13.86	95.74	108.22
1	5Y	30	PHE	CG-CD1-CE1	-13.86	97.14	120.70
1	6E	30	PHE	CG-CD1-CE1	-13.86	97.14	120.70
1	6Y	30	PHE	CG-CD1-CE1	-13.86	97.14	120.70
1	62	37	ALA	N-CA-C	-13.86	95.74	108.22
1	66	37	ALA	N-CA-C	-13.86	95.74	108.22
1	7A	37	ALA	N-CA-C	-13.86	95.74	108.22
1	7I	30	PHE	CG-CD1-CE1	-13.86	97.14	120.70
1	7U	30	PHE	CG-CD1-CE1	-13.86	97.14	120.70
1	1A	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
1	1I	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
1	12	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
2	13	7	ASN	CA-C-O	-13.86	100.69	120.51
1	16	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
2	17	7	ASN	CA-C-O	-13.86	100.69	120.51
1	2A	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
2	2B	7	ASN	CA-C-O	-13.86	100.69	120.51
1	2E	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
1	26	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
1	3E	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
1	3Q	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
2	3R	7	ASN	CA-C-O	-13.86	100.69	120.51
1	3U	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
2	3V	7	ASN	CA-C-O	-13.86	100.69	120.51
1	3Y	30	PHE	CD1-CG-CD2	13.86	139.39	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3Z	7	ASN	CA-C-O	-13.86	100.69	120.51
1	4A	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
1	4M	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
1	4U	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
1	5E	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
2	5F	7	ASN	CA-C-O	-13.86	100.69	120.51
1	5I	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
2	5J	7	ASN	CA-C-O	-13.86	100.69	120.51
1	5M	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
2	5N	7	ASN	CA-C-O	-13.86	100.69	120.51
1	5Q	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
1	6I	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
1	6Q	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
1	62	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
2	63	7	ASN	CA-C-O	-13.86	100.69	120.51
1	66	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
2	67	7	ASN	CA-C-O	-13.86	100.69	120.51
1	7A	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
2	7B	7	ASN	CA-C-O	-13.86	100.69	120.51
1	7M	30	PHE	CD1-CG-CD2	13.86	139.39	118.60
1	1M	37	ALA	N-CA-C	-13.86	95.75	108.22
1	2I	37	ALA	N-CA-C	-13.86	95.75	108.22
1	3A	37	ALA	N-CA-C	-13.86	95.75	108.22
1	3I	37	ALA	N-CA-C	-13.86	95.75	108.22
1	32	37	ALA	N-CA-C	-13.86	95.75	108.22
1	4E	37	ALA	N-CA-C	-13.86	95.75	108.22
1	4Y	37	ALA	N-CA-C	-13.86	95.75	108.22
1	5U	37	ALA	N-CA-C	-13.86	95.75	108.22
1	6M	37	ALA	N-CA-C	-13.86	95.75	108.22
1	6U	37	ALA	N-CA-C	-13.86	95.75	108.22
1	7E	37	ALA	N-CA-C	-13.86	95.75	108.22
1	7Q	37	ALA	N-CA-C	-13.86	95.75	108.22
2	1N	7	ASN	CA-C-O	-13.85	100.70	120.51
2	2J	7	ASN	CA-C-O	-13.85	100.70	120.51
2	3B	7	ASN	CA-C-O	-13.85	100.70	120.51
2	3J	7	ASN	CA-C-O	-13.85	100.70	120.51
2	33	7	ASN	CA-C-O	-13.85	100.70	120.51
2	4F	7	ASN	CA-C-O	-13.85	100.70	120.51
2	4Z	7	ASN	CA-C-O	-13.85	100.70	120.51
2	5V	7	ASN	CA-C-O	-13.85	100.70	120.51
2	6N	7	ASN	CA-C-O	-13.85	100.70	120.51
2	6V	7	ASN	CA-C-O	-13.85	100.70	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	7	ASN	CA-C-O	-13.85	100.70	120.51
2	7R	7	ASN	CA-C-O	-13.85	100.70	120.51
1	1Q	30	PHE	CG-CD1-CE1	-13.85	97.15	120.70
1	1U	30	PHE	CG-CD1-CE1	-13.85	97.15	120.70
1	1Y	30	PHE	CG-CD1-CE1	-13.85	97.15	120.70
1	2Q	30	PHE	CG-CD1-CE1	-13.85	97.15	120.70
1	2U	30	PHE	CG-CD1-CE1	-13.85	97.15	120.70
1	2Y	30	PHE	CG-CD1-CE1	-13.85	97.15	120.70
1	42	30	PHE	CG-CD1-CE1	-13.85	97.15	120.70
1	46	30	PHE	CG-CD1-CE1	-13.85	97.15	120.70
1	5A	30	PHE	CG-CD1-CE1	-13.85	97.15	120.70
1	52	30	PHE	CG-CD1-CE1	-13.85	97.15	120.70
1	56	30	PHE	CG-CD1-CE1	-13.85	97.15	120.70
1	6A	30	PHE	CG-CD1-CE1	-13.85	97.15	120.70
2	1R	7	ASN	CA-C-O	-13.85	100.71	120.51
2	1V	7	ASN	CA-C-O	-13.85	100.71	120.51
2	1Z	7	ASN	CA-C-O	-13.85	100.71	120.51
2	2R	7	ASN	CA-C-O	-13.85	100.71	120.51
2	2V	7	ASN	CA-C-O	-13.85	100.71	120.51
2	2Z	7	ASN	CA-C-O	-13.85	100.71	120.51
2	43	7	ASN	CA-C-O	-13.85	100.71	120.51
2	47	7	ASN	CA-C-O	-13.85	100.71	120.51
2	5B	7	ASN	CA-C-O	-13.85	100.71	120.51
2	53	7	ASN	CA-C-O	-13.85	100.71	120.51
2	57	7	ASN	CA-C-O	-13.85	100.71	120.51
2	6B	7	ASN	CA-C-O	-13.85	100.71	120.51
1	1A	30	PHE	CG-CD1-CE1	-13.85	97.16	120.70
1	1I	30	PHE	CG-CD1-CE1	-13.85	97.16	120.70
1	2E	30	PHE	CG-CD1-CE1	-13.85	97.16	120.70
1	26	30	PHE	CG-CD1-CE1	-13.85	97.16	120.70
1	3E	30	PHE	CG-CD1-CE1	-13.85	97.16	120.70
1	4A	30	PHE	CG-CD1-CE1	-13.85	97.16	120.70
1	4M	30	PHE	CG-CD1-CE1	-13.85	97.16	120.70
1	4U	30	PHE	CG-CD1-CE1	-13.85	97.16	120.70
1	5Q	30	PHE	CG-CD1-CE1	-13.85	97.16	120.70
1	6I	30	PHE	CG-CD1-CE1	-13.85	97.16	120.70
1	6Q	30	PHE	CG-CD1-CE1	-13.85	97.16	120.70
1	7M	30	PHE	CG-CD1-CE1	-13.85	97.16	120.70
1	1E	30	PHE	CD1-CG-CD2	13.84	139.35	118.60
1	2M	30	PHE	CD1-CG-CD2	13.84	139.35	118.60
1	22	30	PHE	CD1-CG-CD2	13.84	139.35	118.60
1	3M	30	PHE	CD1-CG-CD2	13.84	139.35	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	30	PHE	CD1-CG-CD2	13.84	139.35	118.60
1	4I	30	PHE	CD1-CG-CD2	13.84	139.35	118.60
1	4Q	30	PHE	CD1-CG-CD2	13.84	139.35	118.60
1	5Y	30	PHE	CD1-CG-CD2	13.84	139.35	118.60
1	6E	30	PHE	CD1-CG-CD2	13.84	139.35	118.60
1	6Y	30	PHE	CD1-CG-CD2	13.84	139.35	118.60
1	7I	30	PHE	CD1-CG-CD2	13.84	139.35	118.60
1	7U	30	PHE	CD1-CG-CD2	13.84	139.35	118.60
1	12	30	PHE	CG-CD1-CE1	-13.83	97.19	120.70
1	16	30	PHE	CG-CD1-CE1	-13.83	97.19	120.70
1	2A	30	PHE	CG-CD1-CE1	-13.83	97.19	120.70
1	3Q	30	PHE	CG-CD1-CE1	-13.83	97.19	120.70
1	3U	30	PHE	CG-CD1-CE1	-13.83	97.19	120.70
1	3Y	30	PHE	CG-CD1-CE1	-13.83	97.19	120.70
1	5E	30	PHE	CG-CD1-CE1	-13.83	97.19	120.70
1	5I	30	PHE	CG-CD1-CE1	-13.83	97.19	120.70
1	5M	30	PHE	CG-CD1-CE1	-13.83	97.19	120.70
1	62	30	PHE	CG-CD1-CE1	-13.83	97.19	120.70
1	66	30	PHE	CG-CD1-CE1	-13.83	97.19	120.70
1	7A	30	PHE	CG-CD1-CE1	-13.83	97.19	120.70
1	1M	30	PHE	CD1-CG-CD2	13.83	139.34	118.60
1	2I	30	PHE	CD1-CG-CD2	13.83	139.34	118.60
1	3A	30	PHE	CD1-CG-CD2	13.83	139.34	118.60
1	3I	30	PHE	CD1-CG-CD2	13.83	139.34	118.60
1	32	30	PHE	CD1-CG-CD2	13.83	139.34	118.60
1	4E	30	PHE	CD1-CG-CD2	13.83	139.34	118.60
1	4Y	30	PHE	CD1-CG-CD2	13.83	139.34	118.60
1	5U	30	PHE	CD1-CG-CD2	13.83	139.34	118.60
1	6M	30	PHE	CD1-CG-CD2	13.83	139.34	118.60
1	6U	30	PHE	CD1-CG-CD2	13.83	139.34	118.60
1	7E	30	PHE	CD1-CG-CD2	13.83	139.34	118.60
1	7Q	30	PHE	CD1-CG-CD2	13.83	139.34	118.60
1	1M	30	PHE	CG-CD1-CE1	-13.82	97.20	120.70
1	2I	30	PHE	CG-CD1-CE1	-13.82	97.20	120.70
1	3A	30	PHE	CG-CD1-CE1	-13.82	97.20	120.70
1	3I	30	PHE	CG-CD1-CE1	-13.82	97.20	120.70
1	32	30	PHE	CG-CD1-CE1	-13.82	97.20	120.70
1	4E	30	PHE	CG-CD1-CE1	-13.82	97.20	120.70
1	4Y	30	PHE	CG-CD1-CE1	-13.82	97.20	120.70
1	5U	30	PHE	CG-CD1-CE1	-13.82	97.20	120.70
1	6M	30	PHE	CG-CD1-CE1	-13.82	97.20	120.70
1	6U	30	PHE	CG-CD1-CE1	-13.82	97.20	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	30	PHE	CG-CD1-CE1	-13.82	97.20	120.70
1	7Q	30	PHE	CG-CD1-CE1	-13.82	97.20	120.70
2	13	31	PHE	CZ-CE2-CD2	13.81	144.87	120.00
2	17	31	PHE	CZ-CE2-CD2	13.81	144.87	120.00
2	2B	31	PHE	CZ-CE2-CD2	13.81	144.87	120.00
2	3R	31	PHE	CZ-CE2-CD2	13.81	144.87	120.00
2	3V	31	PHE	CZ-CE2-CD2	13.81	144.87	120.00
2	3Z	31	PHE	CZ-CE2-CD2	13.81	144.87	120.00
2	5F	31	PHE	CZ-CE2-CD2	13.81	144.87	120.00
2	5J	31	PHE	CZ-CE2-CD2	13.81	144.87	120.00
2	5N	31	PHE	CZ-CE2-CD2	13.81	144.87	120.00
2	63	31	PHE	CZ-CE2-CD2	13.81	144.87	120.00
2	67	31	PHE	CZ-CE2-CD2	13.81	144.87	120.00
2	7B	31	PHE	CZ-CE2-CD2	13.81	144.87	120.00
2	1B	108	HIS	CG-CD2-NE2	-13.81	93.39	107.20
2	1J	108	HIS	CG-CD2-NE2	-13.81	93.39	107.20
2	2F	108	HIS	CG-CD2-NE2	-13.81	93.39	107.20
2	27	108	HIS	CG-CD2-NE2	-13.81	93.39	107.20
2	3F	108	HIS	CG-CD2-NE2	-13.81	93.39	107.20
2	4B	108	HIS	CG-CD2-NE2	-13.81	93.39	107.20
2	4N	108	HIS	CG-CD2-NE2	-13.81	93.39	107.20
2	4V	108	HIS	CG-CD2-NE2	-13.81	93.39	107.20
2	5R	108	HIS	CG-CD2-NE2	-13.81	93.39	107.20
2	6J	108	HIS	CG-CD2-NE2	-13.81	93.39	107.20
2	6R	108	HIS	CG-CD2-NE2	-13.81	93.39	107.20
2	7N	108	HIS	CG-CD2-NE2	-13.81	93.39	107.20
2	1B	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	1J	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	1R	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	1V	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	1Z	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	2F	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	2R	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	2V	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	2Z	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	27	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	3F	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	4B	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	4N	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	4V	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	43	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	47	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5B	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	5R	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	53	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	57	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	6B	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	6J	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	6R	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	7N	31	PHE	CZ-CE2-CD2	13.81	144.85	120.00
2	1N	108	HIS	CG-CD2-NE2	-13.80	93.40	107.20
2	2J	108	HIS	CG-CD2-NE2	-13.80	93.40	107.20
2	3B	108	HIS	CG-CD2-NE2	-13.80	93.40	107.20
2	3J	108	HIS	CG-CD2-NE2	-13.80	93.40	107.20
2	33	108	HIS	CG-CD2-NE2	-13.80	93.40	107.20
2	4F	108	HIS	CG-CD2-NE2	-13.80	93.40	107.20
2	4Z	108	HIS	CG-CD2-NE2	-13.80	93.40	107.20
2	5V	108	HIS	CG-CD2-NE2	-13.80	93.40	107.20
2	6N	108	HIS	CG-CD2-NE2	-13.80	93.40	107.20
2	6V	108	HIS	CG-CD2-NE2	-13.80	93.40	107.20
2	7F	108	HIS	CG-CD2-NE2	-13.80	93.40	107.20
2	7R	108	HIS	CG-CD2-NE2	-13.80	93.40	107.20
2	1F	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	13	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	17	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	2B	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	2N	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	23	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	3N	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	3R	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	3V	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	3Z	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	37	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	4J	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	4R	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	5F	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	5J	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	5N	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	5Z	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	6F	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	6Z	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	63	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	67	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	7B	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	7V	108	HIS	CG-CD2-NE2	-13.79	93.41	107.20
2	1N	31	PHE	CZ-CE2-CD2	13.77	144.79	120.00
2	2J	31	PHE	CZ-CE2-CD2	13.77	144.79	120.00
2	3B	31	PHE	CZ-CE2-CD2	13.77	144.79	120.00
2	3J	31	PHE	CZ-CE2-CD2	13.77	144.79	120.00
2	33	31	PHE	CZ-CE2-CD2	13.77	144.79	120.00
2	4F	31	PHE	CZ-CE2-CD2	13.77	144.79	120.00
2	4Z	31	PHE	CZ-CE2-CD2	13.77	144.79	120.00
2	5V	31	PHE	CZ-CE2-CD2	13.77	144.79	120.00
2	6N	31	PHE	CZ-CE2-CD2	13.77	144.79	120.00
2	6V	31	PHE	CZ-CE2-CD2	13.77	144.79	120.00
2	7F	31	PHE	CZ-CE2-CD2	13.77	144.79	120.00
2	7R	31	PHE	CZ-CE2-CD2	13.77	144.79	120.00
2	1F	31	PHE	CZ-CE2-CD2	13.77	144.78	120.00
2	1R	108	HIS	CG-CD2-NE2	-13.77	93.44	107.20
2	1V	108	HIS	CG-CD2-NE2	-13.77	93.44	107.20
2	1Z	108	HIS	CG-CD2-NE2	-13.77	93.44	107.20
2	2N	31	PHE	CZ-CE2-CD2	13.77	144.78	120.00
2	2R	108	HIS	CG-CD2-NE2	-13.77	93.44	107.20
2	2V	108	HIS	CG-CD2-NE2	-13.77	93.44	107.20
2	2Z	108	HIS	CG-CD2-NE2	-13.77	93.44	107.20
2	23	31	PHE	CZ-CE2-CD2	13.77	144.78	120.00
2	3N	31	PHE	CZ-CE2-CD2	13.77	144.78	120.00
2	37	31	PHE	CZ-CE2-CD2	13.77	144.78	120.00
2	4J	31	PHE	CZ-CE2-CD2	13.77	144.78	120.00
2	4R	31	PHE	CZ-CE2-CD2	13.77	144.78	120.00
2	43	108	HIS	CG-CD2-NE2	-13.77	93.44	107.20
2	47	108	HIS	CG-CD2-NE2	-13.77	93.44	107.20
2	5B	108	HIS	CG-CD2-NE2	-13.77	93.44	107.20
2	5Z	31	PHE	CZ-CE2-CD2	13.77	144.78	120.00
2	53	108	HIS	CG-CD2-NE2	-13.77	93.44	107.20
2	57	108	HIS	CG-CD2-NE2	-13.77	93.44	107.20
2	6B	108	HIS	CG-CD2-NE2	-13.77	93.44	107.20
2	6F	31	PHE	CZ-CE2-CD2	13.77	144.78	120.00
2	6Z	31	PHE	CZ-CE2-CD2	13.77	144.78	120.00
2	7J	31	PHE	CZ-CE2-CD2	13.77	144.78	120.00
2	7V	31	PHE	CZ-CE2-CD2	13.77	144.78	120.00
1	12	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	16	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	2A	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	3Q	48	TYR	CB-CG-CD1	13.74	141.41	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	3Y	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	5E	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	5I	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	5M	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	62	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	66	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	7A	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	1A	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	1I	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	2E	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	26	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	3E	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	4A	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	4M	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	4U	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	5Q	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	6I	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	6Q	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	7M	48	TYR	CB-CG-CD1	13.74	141.41	120.80
1	1E	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	1M	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	2I	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	2M	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	22	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	3A	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	3I	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	3M	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	32	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	36	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	4E	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	4I	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	4Q	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	4Y	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	5U	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	5Y	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	6E	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	6M	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	6U	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	6Y	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	7E	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	7I	48	TYR	CB-CG-CD1	13.73	141.40	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	7U	48	TYR	CB-CG-CD1	13.73	141.40	120.80
1	1Q	48	TYR	CB-CG-CD1	13.73	141.39	120.80
1	1U	48	TYR	CB-CG-CD1	13.73	141.39	120.80
1	1Y	48	TYR	CB-CG-CD1	13.73	141.39	120.80
1	2Q	48	TYR	CB-CG-CD1	13.73	141.39	120.80
1	2U	48	TYR	CB-CG-CD1	13.73	141.39	120.80
1	2Y	48	TYR	CB-CG-CD1	13.73	141.39	120.80
1	42	48	TYR	CB-CG-CD1	13.73	141.39	120.80
1	46	48	TYR	CB-CG-CD1	13.73	141.39	120.80
1	5A	48	TYR	CB-CG-CD1	13.73	141.39	120.80
1	52	48	TYR	CB-CG-CD1	13.73	141.39	120.80
1	56	48	TYR	CB-CG-CD1	13.73	141.39	120.80
1	6A	48	TYR	CB-CG-CD1	13.73	141.39	120.80
2	1F	216	ASN	CA-C-N	-13.70	105.73	119.56
2	1F	216	ASN	C-N-CA	-13.70	105.73	119.56
2	2N	216	ASN	CA-C-N	-13.70	105.73	119.56
2	2N	216	ASN	C-N-CA	-13.70	105.73	119.56
2	23	216	ASN	CA-C-N	-13.70	105.73	119.56
2	23	216	ASN	C-N-CA	-13.70	105.73	119.56
2	3N	216	ASN	CA-C-N	-13.70	105.73	119.56
2	3N	216	ASN	C-N-CA	-13.70	105.73	119.56
2	37	216	ASN	CA-C-N	-13.70	105.73	119.56
2	37	216	ASN	C-N-CA	-13.70	105.73	119.56
2	4J	216	ASN	CA-C-N	-13.70	105.73	119.56
2	4J	216	ASN	C-N-CA	-13.70	105.73	119.56
2	4R	216	ASN	CA-C-N	-13.70	105.73	119.56
2	4R	216	ASN	C-N-CA	-13.70	105.73	119.56
2	5Z	216	ASN	CA-C-N	-13.70	105.73	119.56
2	5Z	216	ASN	C-N-CA	-13.70	105.73	119.56
2	6F	216	ASN	CA-C-N	-13.70	105.73	119.56
2	6F	216	ASN	C-N-CA	-13.70	105.73	119.56
2	6Z	216	ASN	CA-C-N	-13.70	105.73	119.56
2	6Z	216	ASN	C-N-CA	-13.70	105.73	119.56
2	7J	216	ASN	CA-C-N	-13.70	105.73	119.56
2	7J	216	ASN	C-N-CA	-13.70	105.73	119.56
2	7V	216	ASN	CA-C-N	-13.70	105.73	119.56
2	7V	216	ASN	C-N-CA	-13.70	105.73	119.56
2	1B	216	ASN	CA-C-N	-13.69	105.73	119.56
2	1B	216	ASN	C-N-CA	-13.69	105.73	119.56
2	1J	216	ASN	CA-C-N	-13.69	105.73	119.56
2	1J	216	ASN	C-N-CA	-13.69	105.73	119.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2F	216	ASN	CA-C-N	-13.69	105.73	119.56
2	2F	216	ASN	C-N-CA	-13.69	105.73	119.56
2	27	216	ASN	CA-C-N	-13.69	105.73	119.56
2	27	216	ASN	C-N-CA	-13.69	105.73	119.56
2	3F	216	ASN	CA-C-N	-13.69	105.73	119.56
2	3F	216	ASN	C-N-CA	-13.69	105.73	119.56
2	4B	216	ASN	CA-C-N	-13.69	105.73	119.56
2	4B	216	ASN	C-N-CA	-13.69	105.73	119.56
2	4N	216	ASN	CA-C-N	-13.69	105.73	119.56
2	4N	216	ASN	C-N-CA	-13.69	105.73	119.56
2	4V	216	ASN	CA-C-N	-13.69	105.73	119.56
2	4V	216	ASN	C-N-CA	-13.69	105.73	119.56
2	5R	216	ASN	CA-C-N	-13.69	105.73	119.56
2	5R	216	ASN	C-N-CA	-13.69	105.73	119.56
2	6J	216	ASN	CA-C-N	-13.69	105.73	119.56
2	6J	216	ASN	C-N-CA	-13.69	105.73	119.56
2	6R	216	ASN	CA-C-N	-13.69	105.73	119.56
2	6R	216	ASN	C-N-CA	-13.69	105.73	119.56
2	7N	216	ASN	CA-C-N	-13.69	105.73	119.56
2	7N	216	ASN	C-N-CA	-13.69	105.73	119.56
1	1E	25	ASP	CA-C-N	13.69	148.33	122.60
1	1E	25	ASP	C-N-CA	13.69	148.33	122.60
1	2M	25	ASP	CA-C-N	13.69	148.33	122.60
1	2M	25	ASP	C-N-CA	13.69	148.33	122.60
1	22	25	ASP	CA-C-N	13.69	148.33	122.60
1	22	25	ASP	C-N-CA	13.69	148.33	122.60
1	3M	25	ASP	CA-C-N	13.69	148.33	122.60
1	3M	25	ASP	C-N-CA	13.69	148.33	122.60
1	36	25	ASP	CA-C-N	13.69	148.33	122.60
1	36	25	ASP	C-N-CA	13.69	148.33	122.60
1	4I	25	ASP	CA-C-N	13.69	148.33	122.60
1	4I	25	ASP	C-N-CA	13.69	148.33	122.60
1	4Q	25	ASP	CA-C-N	13.69	148.33	122.60
1	4Q	25	ASP	C-N-CA	13.69	148.33	122.60
1	5Y	25	ASP	CA-C-N	13.69	148.33	122.60
1	5Y	25	ASP	C-N-CA	13.69	148.33	122.60
1	6E	25	ASP	CA-C-N	13.69	148.33	122.60
1	6E	25	ASP	C-N-CA	13.69	148.33	122.60
1	6Y	25	ASP	CA-C-N	13.69	148.33	122.60
1	6Y	25	ASP	C-N-CA	13.69	148.33	122.60
1	7I	25	ASP	CA-C-N	13.69	148.33	122.60
1	7I	25	ASP	C-N-CA	13.69	148.33	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	25	ASP	CA-C-N	13.69	148.33	122.60
1	7U	25	ASP	C-N-CA	13.69	148.33	122.60
1	1M	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	2I	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	3A	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	3I	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	32	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	4E	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	4Y	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	5U	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	6M	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	6U	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	7E	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	7Q	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	1A	25	ASP	CA-C-N	13.68	148.31	122.60
1	1A	25	ASP	C-N-CA	13.68	148.31	122.60
1	1I	25	ASP	CA-C-N	13.68	148.31	122.60
1	1I	25	ASP	C-N-CA	13.68	148.31	122.60
1	2E	25	ASP	CA-C-N	13.68	148.31	122.60
1	2E	25	ASP	C-N-CA	13.68	148.31	122.60
1	26	25	ASP	CA-C-N	13.68	148.31	122.60
1	26	25	ASP	C-N-CA	13.68	148.31	122.60
1	3E	25	ASP	CA-C-N	13.68	148.31	122.60
1	3E	25	ASP	C-N-CA	13.68	148.31	122.60
1	4A	25	ASP	CA-C-N	13.68	148.31	122.60
1	4A	25	ASP	C-N-CA	13.68	148.31	122.60
1	4M	25	ASP	CA-C-N	13.68	148.31	122.60
1	4M	25	ASP	C-N-CA	13.68	148.31	122.60
1	4U	25	ASP	CA-C-N	13.68	148.31	122.60
1	4U	25	ASP	C-N-CA	13.68	148.31	122.60
1	5Q	25	ASP	CA-C-N	13.68	148.31	122.60
1	5Q	25	ASP	C-N-CA	13.68	148.31	122.60
1	6I	25	ASP	CA-C-N	13.68	148.31	122.60
1	6I	25	ASP	C-N-CA	13.68	148.31	122.60
1	6Q	25	ASP	CA-C-N	13.68	148.31	122.60
1	6Q	25	ASP	C-N-CA	13.68	148.31	122.60
1	7M	25	ASP	CA-C-N	13.68	148.31	122.60
1	7M	25	ASP	C-N-CA	13.68	148.31	122.60
1	1E	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	2M	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	22	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	3M	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	4I	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	4Q	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	5Y	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	6E	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	6Y	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	7I	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	7U	82	ARG	NE-CZ-NH1	-13.68	107.82	121.50
1	1M	25	ASP	CA-C-N	13.68	148.31	122.60
1	1M	25	ASP	C-N-CA	13.68	148.31	122.60
2	13	216	ASN	CA-C-N	-13.68	105.75	119.56
2	13	216	ASN	C-N-CA	-13.68	105.75	119.56
2	17	216	ASN	CA-C-N	-13.68	105.75	119.56
2	17	216	ASN	C-N-CA	-13.68	105.75	119.56
2	2B	216	ASN	CA-C-N	-13.68	105.75	119.56
2	2B	216	ASN	C-N-CA	-13.68	105.75	119.56
1	2I	25	ASP	CA-C-N	13.68	148.31	122.60
1	2I	25	ASP	C-N-CA	13.68	148.31	122.60
1	3A	25	ASP	CA-C-N	13.68	148.31	122.60
1	3A	25	ASP	C-N-CA	13.68	148.31	122.60
1	3I	25	ASP	CA-C-N	13.68	148.31	122.60
1	3I	25	ASP	C-N-CA	13.68	148.31	122.60
2	3R	216	ASN	CA-C-N	-13.68	105.75	119.56
2	3R	216	ASN	C-N-CA	-13.68	105.75	119.56
2	3V	216	ASN	CA-C-N	-13.68	105.75	119.56
2	3V	216	ASN	C-N-CA	-13.68	105.75	119.56
2	3Z	216	ASN	CA-C-N	-13.68	105.75	119.56
2	3Z	216	ASN	C-N-CA	-13.68	105.75	119.56
1	32	25	ASP	CA-C-N	13.68	148.31	122.60
1	32	25	ASP	C-N-CA	13.68	148.31	122.60
1	4E	25	ASP	CA-C-N	13.68	148.31	122.60
1	4E	25	ASP	C-N-CA	13.68	148.31	122.60
1	4Y	25	ASP	CA-C-N	13.68	148.31	122.60
1	4Y	25	ASP	C-N-CA	13.68	148.31	122.60
2	5F	216	ASN	CA-C-N	-13.68	105.75	119.56
2	5F	216	ASN	C-N-CA	-13.68	105.75	119.56
2	5J	216	ASN	CA-C-N	-13.68	105.75	119.56
2	5J	216	ASN	C-N-CA	-13.68	105.75	119.56
2	5N	216	ASN	CA-C-N	-13.68	105.75	119.56
2	5N	216	ASN	C-N-CA	-13.68	105.75	119.56
1	5U	25	ASP	CA-C-N	13.68	148.31	122.60
1	5U	25	ASP	C-N-CA	13.68	148.31	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6M	25	ASP	CA-C-N	13.68	148.31	122.60
1	6M	25	ASP	C-N-CA	13.68	148.31	122.60
1	6U	25	ASP	CA-C-N	13.68	148.31	122.60
1	6U	25	ASP	C-N-CA	13.68	148.31	122.60
2	63	216	ASN	CA-C-N	-13.68	105.75	119.56
2	63	216	ASN	C-N-CA	-13.68	105.75	119.56
2	67	216	ASN	CA-C-N	-13.68	105.75	119.56
2	67	216	ASN	C-N-CA	-13.68	105.75	119.56
2	7B	216	ASN	CA-C-N	-13.68	105.75	119.56
2	7B	216	ASN	C-N-CA	-13.68	105.75	119.56
1	7E	25	ASP	CA-C-N	13.68	148.31	122.60
1	7E	25	ASP	C-N-CA	13.68	148.31	122.60
1	7Q	25	ASP	CA-C-N	13.68	148.31	122.60
1	7Q	25	ASP	C-N-CA	13.68	148.31	122.60
2	1N	216	ASN	CA-C-N	-13.67	105.75	119.56
2	1N	216	ASN	C-N-CA	-13.67	105.75	119.56
1	1Q	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	1U	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	1Y	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
2	2J	216	ASN	CA-C-N	-13.67	105.75	119.56
2	2J	216	ASN	C-N-CA	-13.67	105.75	119.56
1	2Q	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	2U	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	2Y	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
2	3B	216	ASN	CA-C-N	-13.67	105.75	119.56
2	3B	216	ASN	C-N-CA	-13.67	105.75	119.56
2	3J	216	ASN	CA-C-N	-13.67	105.75	119.56
2	3J	216	ASN	C-N-CA	-13.67	105.75	119.56
2	33	216	ASN	CA-C-N	-13.67	105.75	119.56
2	33	216	ASN	C-N-CA	-13.67	105.75	119.56
2	4F	216	ASN	CA-C-N	-13.67	105.75	119.56
2	4F	216	ASN	C-N-CA	-13.67	105.75	119.56
2	4Z	216	ASN	CA-C-N	-13.67	105.75	119.56
2	4Z	216	ASN	C-N-CA	-13.67	105.75	119.56
1	42	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	46	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	5A	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
2	5V	216	ASN	CA-C-N	-13.67	105.75	119.56
2	5V	216	ASN	C-N-CA	-13.67	105.75	119.56
1	52	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	56	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	6A	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6N	216	ASN	CA-C-N	-13.67	105.75	119.56
2	6N	216	ASN	C-N-CA	-13.67	105.75	119.56
2	6V	216	ASN	CA-C-N	-13.67	105.75	119.56
2	6V	216	ASN	C-N-CA	-13.67	105.75	119.56
2	7F	216	ASN	CA-C-N	-13.67	105.75	119.56
2	7F	216	ASN	C-N-CA	-13.67	105.75	119.56
2	7R	216	ASN	CA-C-N	-13.67	105.75	119.56
2	7R	216	ASN	C-N-CA	-13.67	105.75	119.56
1	12	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	16	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	2A	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	3Q	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	3U	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	3Y	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	5E	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	5I	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	5M	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	62	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	66	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	7A	82	ARG	NE-CZ-NH1	-13.67	107.83	121.50
1	1Q	25	ASP	CA-C-N	13.67	148.29	122.60
1	1Q	25	ASP	C-N-CA	13.67	148.29	122.60
1	1U	25	ASP	CA-C-N	13.67	148.29	122.60
1	1U	25	ASP	C-N-CA	13.67	148.29	122.60
1	1Y	25	ASP	CA-C-N	13.67	148.29	122.60
1	1Y	25	ASP	C-N-CA	13.67	148.29	122.60
1	2Q	25	ASP	CA-C-N	13.67	148.29	122.60
1	2Q	25	ASP	C-N-CA	13.67	148.29	122.60
1	2U	25	ASP	CA-C-N	13.67	148.29	122.60
1	2U	25	ASP	C-N-CA	13.67	148.29	122.60
1	2Y	25	ASP	CA-C-N	13.67	148.29	122.60
1	2Y	25	ASP	C-N-CA	13.67	148.29	122.60
1	42	25	ASP	CA-C-N	13.67	148.29	122.60
1	42	25	ASP	C-N-CA	13.67	148.29	122.60
1	46	25	ASP	CA-C-N	13.67	148.29	122.60
1	46	25	ASP	C-N-CA	13.67	148.29	122.60
1	5A	25	ASP	CA-C-N	13.67	148.29	122.60
1	5A	25	ASP	C-N-CA	13.67	148.29	122.60
1	52	25	ASP	CA-C-N	13.67	148.29	122.60
1	52	25	ASP	C-N-CA	13.67	148.29	122.60
1	56	25	ASP	CA-C-N	13.67	148.29	122.60
1	56	25	ASP	C-N-CA	13.67	148.29	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6A	25	ASP	CA-C-N	13.67	148.29	122.60
1	6A	25	ASP	C-N-CA	13.67	148.29	122.60
2	1R	216	ASN	CA-C-N	-13.66	105.76	119.56
2	1R	216	ASN	C-N-CA	-13.66	105.76	119.56
2	1V	216	ASN	CA-C-N	-13.66	105.76	119.56
2	1V	216	ASN	C-N-CA	-13.66	105.76	119.56
2	1Z	216	ASN	CA-C-N	-13.66	105.76	119.56
2	1Z	216	ASN	C-N-CA	-13.66	105.76	119.56
2	2R	216	ASN	CA-C-N	-13.66	105.76	119.56
2	2R	216	ASN	C-N-CA	-13.66	105.76	119.56
2	2V	216	ASN	CA-C-N	-13.66	105.76	119.56
2	2V	216	ASN	C-N-CA	-13.66	105.76	119.56
2	2Z	216	ASN	CA-C-N	-13.66	105.76	119.56
2	2Z	216	ASN	C-N-CA	-13.66	105.76	119.56
2	43	216	ASN	CA-C-N	-13.66	105.76	119.56
2	43	216	ASN	C-N-CA	-13.66	105.76	119.56
2	47	216	ASN	CA-C-N	-13.66	105.76	119.56
2	47	216	ASN	C-N-CA	-13.66	105.76	119.56
2	5B	216	ASN	CA-C-N	-13.66	105.76	119.56
2	5B	216	ASN	C-N-CA	-13.66	105.76	119.56
2	53	216	ASN	CA-C-N	-13.66	105.76	119.56
2	53	216	ASN	C-N-CA	-13.66	105.76	119.56
2	57	216	ASN	CA-C-N	-13.66	105.76	119.56
2	57	216	ASN	C-N-CA	-13.66	105.76	119.56
2	6B	216	ASN	CA-C-N	-13.66	105.76	119.56
2	6B	216	ASN	C-N-CA	-13.66	105.76	119.56
1	12	25	ASP	CA-C-N	13.66	148.28	122.60
1	12	25	ASP	C-N-CA	13.66	148.28	122.60
1	16	25	ASP	CA-C-N	13.66	148.28	122.60
1	16	25	ASP	C-N-CA	13.66	148.28	122.60
1	2A	25	ASP	CA-C-N	13.66	148.28	122.60
1	2A	25	ASP	C-N-CA	13.66	148.28	122.60
1	3Q	25	ASP	CA-C-N	13.66	148.28	122.60
1	3Q	25	ASP	C-N-CA	13.66	148.28	122.60
1	3U	25	ASP	CA-C-N	13.66	148.28	122.60
1	3U	25	ASP	C-N-CA	13.66	148.28	122.60
1	3Y	25	ASP	CA-C-N	13.66	148.28	122.60
1	3Y	25	ASP	C-N-CA	13.66	148.28	122.60
1	5E	25	ASP	CA-C-N	13.66	148.28	122.60
1	5E	25	ASP	C-N-CA	13.66	148.28	122.60
1	5I	25	ASP	CA-C-N	13.66	148.28	122.60
1	5I	25	ASP	C-N-CA	13.66	148.28	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	25	ASP	CA-C-N	13.66	148.28	122.60
1	5M	25	ASP	C-N-CA	13.66	148.28	122.60
1	62	25	ASP	CA-C-N	13.66	148.28	122.60
1	62	25	ASP	C-N-CA	13.66	148.28	122.60
1	66	25	ASP	CA-C-N	13.66	148.28	122.60
1	66	25	ASP	C-N-CA	13.66	148.28	122.60
1	7A	25	ASP	CA-C-N	13.66	148.28	122.60
1	7A	25	ASP	C-N-CA	13.66	148.28	122.60
1	1A	82	ARG	NE-CZ-NH1	-13.63	107.87	121.50
1	1I	82	ARG	NE-CZ-NH1	-13.63	107.87	121.50
1	2E	82	ARG	NE-CZ-NH1	-13.63	107.87	121.50
1	26	82	ARG	NE-CZ-NH1	-13.63	107.87	121.50
1	3E	82	ARG	NE-CZ-NH1	-13.63	107.87	121.50
1	4A	82	ARG	NE-CZ-NH1	-13.63	107.87	121.50
1	4M	82	ARG	NE-CZ-NH1	-13.63	107.87	121.50
1	4U	82	ARG	NE-CZ-NH1	-13.63	107.87	121.50
1	5Q	82	ARG	NE-CZ-NH1	-13.63	107.87	121.50
1	6I	82	ARG	NE-CZ-NH1	-13.63	107.87	121.50
1	6Q	82	ARG	NE-CZ-NH1	-13.63	107.87	121.50
1	7M	82	ARG	NE-CZ-NH1	-13.63	107.87	121.50
1	1Q	36	THR	CA-C-O	-13.63	103.71	119.79
1	1U	36	THR	CA-C-O	-13.63	103.71	119.79
1	1Y	36	THR	CA-C-O	-13.63	103.71	119.79
1	2Q	36	THR	CA-C-O	-13.63	103.71	119.79
1	2U	36	THR	CA-C-O	-13.63	103.71	119.79
1	2Y	36	THR	CA-C-O	-13.63	103.71	119.79
1	42	36	THR	CA-C-O	-13.63	103.71	119.79
1	46	36	THR	CA-C-O	-13.63	103.71	119.79
1	5A	36	THR	CA-C-O	-13.63	103.71	119.79
1	52	36	THR	CA-C-O	-13.63	103.71	119.79
1	56	36	THR	CA-C-O	-13.63	103.71	119.79
1	6A	36	THR	CA-C-O	-13.63	103.71	119.79
1	1M	36	THR	CA-C-O	-13.62	103.72	119.79
1	2I	36	THR	CA-C-O	-13.62	103.72	119.79
1	3A	36	THR	CA-C-O	-13.62	103.72	119.79
1	3I	36	THR	CA-C-O	-13.62	103.72	119.79
1	32	36	THR	CA-C-O	-13.62	103.72	119.79
1	4E	36	THR	CA-C-O	-13.62	103.72	119.79
1	4Y	36	THR	CA-C-O	-13.62	103.72	119.79
1	5U	36	THR	CA-C-O	-13.62	103.72	119.79
1	6M	36	THR	CA-C-O	-13.62	103.72	119.79
1	6U	36	THR	CA-C-O	-13.62	103.72	119.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	36	THR	CA-C-O	-13.62	103.72	119.79
1	7Q	36	THR	CA-C-O	-13.62	103.72	119.79
2	1F	7	ASN	O-C-N	13.61	140.69	122.59
1	12	36	THR	CA-C-O	-13.61	103.73	119.79
1	16	36	THR	CA-C-O	-13.61	103.73	119.79
1	2A	36	THR	CA-C-O	-13.61	103.73	119.79
2	2N	7	ASN	O-C-N	13.61	140.69	122.59
2	23	7	ASN	O-C-N	13.61	140.69	122.59
2	3N	7	ASN	O-C-N	13.61	140.69	122.59
1	3Q	36	THR	CA-C-O	-13.61	103.73	119.79
1	3U	36	THR	CA-C-O	-13.61	103.73	119.79
1	3Y	36	THR	CA-C-O	-13.61	103.73	119.79
2	37	7	ASN	O-C-N	13.61	140.69	122.59
2	4J	7	ASN	O-C-N	13.61	140.69	122.59
2	4R	7	ASN	O-C-N	13.61	140.69	122.59
1	5E	36	THR	CA-C-O	-13.61	103.73	119.79
1	5I	36	THR	CA-C-O	-13.61	103.73	119.79
1	5M	36	THR	CA-C-O	-13.61	103.73	119.79
2	5Z	7	ASN	O-C-N	13.61	140.69	122.59
2	6F	7	ASN	O-C-N	13.61	140.69	122.59
2	6Z	7	ASN	O-C-N	13.61	140.69	122.59
1	62	36	THR	CA-C-O	-13.61	103.73	119.79
1	66	36	THR	CA-C-O	-13.61	103.73	119.79
1	7A	36	THR	CA-C-O	-13.61	103.73	119.79
2	7J	7	ASN	O-C-N	13.61	140.69	122.59
2	7V	7	ASN	O-C-N	13.61	140.69	122.59
1	1A	36	THR	CA-C-O	-13.60	103.74	119.79
2	1B	227	TYR	O-C-N	-13.60	105.17	123.12
1	1I	36	THR	CA-C-O	-13.60	103.74	119.79
2	1J	227	TYR	O-C-N	-13.60	105.17	123.12
1	2E	36	THR	CA-C-O	-13.60	103.74	119.79
2	2F	227	TYR	O-C-N	-13.60	105.17	123.12
1	26	36	THR	CA-C-O	-13.60	103.74	119.79
2	27	227	TYR	O-C-N	-13.60	105.17	123.12
1	3E	36	THR	CA-C-O	-13.60	103.74	119.79
2	3F	227	TYR	O-C-N	-13.60	105.17	123.12
1	4A	36	THR	CA-C-O	-13.60	103.74	119.79
2	4B	227	TYR	O-C-N	-13.60	105.17	123.12
1	4M	36	THR	CA-C-O	-13.60	103.74	119.79
2	4N	227	TYR	O-C-N	-13.60	105.17	123.12
1	4U	36	THR	CA-C-O	-13.60	103.74	119.79
2	4V	227	TYR	O-C-N	-13.60	105.17	123.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Q	36	THR	CA-C-O	-13.60	103.74	119.79
2	5R	227	TYR	O-C-N	-13.60	105.17	123.12
1	6I	36	THR	CA-C-O	-13.60	103.74	119.79
2	6J	227	TYR	O-C-N	-13.60	105.17	123.12
1	6Q	36	THR	CA-C-O	-13.60	103.74	119.79
2	6R	227	TYR	O-C-N	-13.60	105.17	123.12
1	7M	36	THR	CA-C-O	-13.60	103.74	119.79
2	7N	227	TYR	O-C-N	-13.60	105.17	123.12
2	1R	215	GLN	CB-CG-CD	-13.59	89.49	112.60
2	1V	215	GLN	CB-CG-CD	-13.59	89.49	112.60
2	1Z	215	GLN	CB-CG-CD	-13.59	89.49	112.60
2	2R	215	GLN	CB-CG-CD	-13.59	89.49	112.60
2	2V	215	GLN	CB-CG-CD	-13.59	89.49	112.60
2	2Z	215	GLN	CB-CG-CD	-13.59	89.49	112.60
2	43	215	GLN	CB-CG-CD	-13.59	89.49	112.60
2	47	215	GLN	CB-CG-CD	-13.59	89.49	112.60
2	5B	215	GLN	CB-CG-CD	-13.59	89.49	112.60
2	53	215	GLN	CB-CG-CD	-13.59	89.49	112.60
2	57	215	GLN	CB-CG-CD	-13.59	89.49	112.60
2	6B	215	GLN	CB-CG-CD	-13.59	89.49	112.60
2	1F	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	13	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	17	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	2B	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	2N	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	23	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	3N	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	3R	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	3V	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	3Z	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	37	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	4J	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	4R	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	5F	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	5J	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	5N	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	5Z	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	6F	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	6Z	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	63	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	67	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	7B	215	GLN	CB-CG-CD	-13.59	89.50	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	7V	215	GLN	CB-CG-CD	-13.59	89.50	112.60
2	1R	227	TYR	O-C-N	-13.59	105.19	123.12
2	1V	227	TYR	O-C-N	-13.59	105.19	123.12
2	1Z	227	TYR	O-C-N	-13.59	105.19	123.12
2	13	227	TYR	O-C-N	-13.59	105.18	123.12
2	17	227	TYR	O-C-N	-13.59	105.18	123.12
2	2B	227	TYR	O-C-N	-13.59	105.18	123.12
2	2R	227	TYR	O-C-N	-13.59	105.19	123.12
2	2V	227	TYR	O-C-N	-13.59	105.19	123.12
2	2Z	227	TYR	O-C-N	-13.59	105.19	123.12
2	3R	227	TYR	O-C-N	-13.59	105.18	123.12
2	3V	227	TYR	O-C-N	-13.59	105.18	123.12
2	3Z	227	TYR	O-C-N	-13.59	105.18	123.12
2	43	227	TYR	O-C-N	-13.59	105.19	123.12
2	47	227	TYR	O-C-N	-13.59	105.19	123.12
2	5B	227	TYR	O-C-N	-13.59	105.19	123.12
2	5F	227	TYR	O-C-N	-13.59	105.18	123.12
2	5J	227	TYR	O-C-N	-13.59	105.18	123.12
2	5N	227	TYR	O-C-N	-13.59	105.18	123.12
2	53	227	TYR	O-C-N	-13.59	105.19	123.12
2	57	227	TYR	O-C-N	-13.59	105.19	123.12
2	6B	227	TYR	O-C-N	-13.59	105.19	123.12
2	63	227	TYR	O-C-N	-13.59	105.18	123.12
2	67	227	TYR	O-C-N	-13.59	105.18	123.12
2	7B	227	TYR	O-C-N	-13.59	105.18	123.12
2	1F	4	GLU	N-CA-C	-13.58	81.87	110.80
2	2N	4	GLU	N-CA-C	-13.58	81.87	110.80
2	23	4	GLU	N-CA-C	-13.58	81.87	110.80
2	3N	4	GLU	N-CA-C	-13.58	81.87	110.80
2	37	4	GLU	N-CA-C	-13.58	81.87	110.80
2	4J	4	GLU	N-CA-C	-13.58	81.87	110.80
2	4R	4	GLU	N-CA-C	-13.58	81.87	110.80
2	5Z	4	GLU	N-CA-C	-13.58	81.87	110.80
2	6F	4	GLU	N-CA-C	-13.58	81.87	110.80
2	6Z	4	GLU	N-CA-C	-13.58	81.87	110.80
2	7J	4	GLU	N-CA-C	-13.58	81.87	110.80
2	7V	4	GLU	N-CA-C	-13.58	81.87	110.80
2	1N	68	PRO	O-C-N	-13.58	104.31	122.64
2	2J	68	PRO	O-C-N	-13.58	104.31	122.64
2	3B	68	PRO	O-C-N	-13.58	104.31	122.64
2	3J	68	PRO	O-C-N	-13.58	104.31	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	68	PRO	O-C-N	-13.58	104.31	122.64
2	4F	68	PRO	O-C-N	-13.58	104.31	122.64
2	4Z	68	PRO	O-C-N	-13.58	104.31	122.64
2	5V	68	PRO	O-C-N	-13.58	104.31	122.64
2	6N	68	PRO	O-C-N	-13.58	104.31	122.64
2	6V	68	PRO	O-C-N	-13.58	104.31	122.64
2	7F	68	PRO	O-C-N	-13.58	104.31	122.64
2	7R	68	PRO	O-C-N	-13.58	104.31	122.64
2	1B	215	GLN	CB-CG-CD	-13.58	89.52	112.60
2	1F	68	PRO	O-C-N	-13.58	104.31	122.64
2	1J	215	GLN	CB-CG-CD	-13.58	89.52	112.60
2	2F	215	GLN	CB-CG-CD	-13.58	89.52	112.60
2	2N	68	PRO	O-C-N	-13.58	104.31	122.64
2	23	68	PRO	O-C-N	-13.58	104.31	122.64
2	27	215	GLN	CB-CG-CD	-13.58	89.52	112.60
2	3F	215	GLN	CB-CG-CD	-13.58	89.52	112.60
2	3N	68	PRO	O-C-N	-13.58	104.31	122.64
2	37	68	PRO	O-C-N	-13.58	104.31	122.64
2	4B	215	GLN	CB-CG-CD	-13.58	89.52	112.60
2	4J	68	PRO	O-C-N	-13.58	104.31	122.64
2	4N	215	GLN	CB-CG-CD	-13.58	89.52	112.60
2	4R	68	PRO	O-C-N	-13.58	104.31	122.64
2	4V	215	GLN	CB-CG-CD	-13.58	89.52	112.60
2	5R	215	GLN	CB-CG-CD	-13.58	89.52	112.60
2	5Z	68	PRO	O-C-N	-13.58	104.31	122.64
2	6F	68	PRO	O-C-N	-13.58	104.31	122.64
2	6J	215	GLN	CB-CG-CD	-13.58	89.52	112.60
2	6R	215	GLN	CB-CG-CD	-13.58	89.52	112.60
2	6Z	68	PRO	O-C-N	-13.58	104.31	122.64
2	7J	68	PRO	O-C-N	-13.58	104.31	122.64
2	7N	215	GLN	CB-CG-CD	-13.58	89.52	112.60
2	7V	68	PRO	O-C-N	-13.58	104.31	122.64
2	1B	68	PRO	O-C-N	-13.57	104.31	122.64
2	1J	68	PRO	O-C-N	-13.57	104.31	122.64
2	1N	227	TYR	O-C-N	-13.57	105.20	123.12
2	2F	68	PRO	O-C-N	-13.57	104.31	122.64
2	2J	227	TYR	O-C-N	-13.57	105.20	123.12
2	27	68	PRO	O-C-N	-13.57	104.31	122.64
2	3B	227	TYR	O-C-N	-13.57	105.20	123.12
2	3F	68	PRO	O-C-N	-13.57	104.31	122.64
2	3J	227	TYR	O-C-N	-13.57	105.20	123.12
2	33	227	TYR	O-C-N	-13.57	105.20	123.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	68	PRO	O-C-N	-13.57	104.31	122.64
2	4F	227	TYR	O-C-N	-13.57	105.20	123.12
2	4N	68	PRO	O-C-N	-13.57	104.31	122.64
2	4V	68	PRO	O-C-N	-13.57	104.31	122.64
2	4Z	227	TYR	O-C-N	-13.57	105.20	123.12
2	5R	68	PRO	O-C-N	-13.57	104.31	122.64
2	5V	227	TYR	O-C-N	-13.57	105.20	123.12
2	6J	68	PRO	O-C-N	-13.57	104.31	122.64
2	6N	227	TYR	O-C-N	-13.57	105.20	123.12
2	6R	68	PRO	O-C-N	-13.57	104.31	122.64
2	6V	227	TYR	O-C-N	-13.57	105.20	123.12
2	7F	227	TYR	O-C-N	-13.57	105.20	123.12
2	7N	68	PRO	O-C-N	-13.57	104.31	122.64
2	7R	227	TYR	O-C-N	-13.57	105.20	123.12
2	1B	4	GLU	N-CA-C	-13.57	81.89	110.80
2	6B	68	PRO	O-C-N	-13.57	104.32	122.64
1	1E	36	THR	CA-C-O	-13.57	103.78	119.79
2	1F	227	TYR	O-C-N	-13.57	105.21	123.12
2	1J	4	GLU	N-CA-C	-13.57	81.89	110.80
2	1N	215	GLN	CB-CG-CD	-13.57	89.53	112.60
2	1R	68	PRO	O-C-N	-13.57	104.32	122.64
2	1V	68	PRO	O-C-N	-13.57	104.32	122.64
2	1Z	68	PRO	O-C-N	-13.57	104.32	122.64
2	2F	4	GLU	N-CA-C	-13.57	81.89	110.80
2	2J	215	GLN	CB-CG-CD	-13.57	89.53	112.60
2	2V	68	PRO	O-C-N	-13.57	104.32	122.64
2	2Z	68	PRO	O-C-N	-13.57	104.32	122.64
2	4F	215	GLN	CB-CG-CD	-13.57	89.53	112.60
2	4Z	215	GLN	CB-CG-CD	-13.57	89.53	112.60
2	5B	68	PRO	O-C-N	-13.57	104.32	122.64
2	53	68	PRO	O-C-N	-13.57	104.32	122.64
2	57	68	PRO	O-C-N	-13.57	104.32	122.64
2	7R	215	GLN	CB-CG-CD	-13.57	89.53	112.60
1	2M	36	THR	CA-C-O	-13.57	103.78	119.79
2	2N	227	TYR	O-C-N	-13.57	105.21	123.12
2	2R	68	PRO	O-C-N	-13.57	104.32	122.64
2	3J	215	GLN	CB-CG-CD	-13.57	89.53	112.60
1	22	36	THR	CA-C-O	-13.57	103.78	119.79
2	23	227	TYR	O-C-N	-13.57	105.21	123.12
2	27	4	GLU	N-CA-C	-13.57	81.89	110.80
2	3B	215	GLN	CB-CG-CD	-13.57	89.53	112.60
2	3F	4	GLU	N-CA-C	-13.57	81.89	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	215	GLN	CB-CG-CD	-13.57	89.53	112.60
2	43	68	PRO	O-C-N	-13.57	104.32	122.64
2	47	68	PRO	O-C-N	-13.57	104.32	122.64
1	3M	36	THR	CA-C-O	-13.57	103.78	119.79
2	3N	227	TYR	O-C-N	-13.57	105.21	123.12
1	36	36	THR	CA-C-O	-13.57	103.78	119.79
2	37	227	TYR	O-C-N	-13.57	105.21	123.12
2	4B	4	GLU	N-CA-C	-13.57	81.89	110.80
1	4I	36	THR	CA-C-O	-13.57	103.78	119.79
2	4J	227	TYR	O-C-N	-13.57	105.21	123.12
2	4N	4	GLU	N-CA-C	-13.57	81.89	110.80
1	4Q	36	THR	CA-C-O	-13.57	103.78	119.79
2	4R	227	TYR	O-C-N	-13.57	105.21	123.12
2	4V	4	GLU	N-CA-C	-13.57	81.89	110.80
2	5R	4	GLU	N-CA-C	-13.57	81.89	110.80
2	5V	215	GLN	CB-CG-CD	-13.57	89.53	112.60
2	7F	215	GLN	CB-CG-CD	-13.57	89.53	112.60
1	5Y	36	THR	CA-C-O	-13.57	103.78	119.79
2	5Z	227	TYR	O-C-N	-13.57	105.21	123.12
1	6E	36	THR	CA-C-O	-13.57	103.78	119.79
2	6F	227	TYR	O-C-N	-13.57	105.21	123.12
2	6J	4	GLU	N-CA-C	-13.57	81.89	110.80
2	6N	215	GLN	CB-CG-CD	-13.57	89.53	112.60
2	6R	4	GLU	N-CA-C	-13.57	81.89	110.80
2	6V	215	GLN	CB-CG-CD	-13.57	89.53	112.60
1	6Y	36	THR	CA-C-O	-13.57	103.78	119.79
2	6Z	227	TYR	O-C-N	-13.57	105.21	123.12
1	7I	36	THR	CA-C-O	-13.57	103.78	119.79
2	7J	227	TYR	O-C-N	-13.57	105.21	123.12
2	7N	4	GLU	N-CA-C	-13.57	81.89	110.80
1	7U	36	THR	CA-C-O	-13.57	103.78	119.79
2	7V	227	TYR	O-C-N	-13.57	105.21	123.12
2	13	4	GLU	N-CA-C	-13.57	81.90	110.80
2	17	4	GLU	N-CA-C	-13.57	81.90	110.80
2	2B	4	GLU	N-CA-C	-13.57	81.90	110.80
2	3R	4	GLU	N-CA-C	-13.57	81.90	110.80
2	3V	4	GLU	N-CA-C	-13.57	81.90	110.80
2	3Z	4	GLU	N-CA-C	-13.57	81.90	110.80
2	5F	4	GLU	N-CA-C	-13.57	81.90	110.80
2	5J	4	GLU	N-CA-C	-13.57	81.90	110.80
2	5N	4	GLU	N-CA-C	-13.57	81.90	110.80
2	63	4	GLU	N-CA-C	-13.57	81.90	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	4	GLU	N-CA-C	-13.57	81.90	110.80
2	7B	4	GLU	N-CA-C	-13.57	81.90	110.80
2	1N	4	GLU	N-CA-C	-13.56	81.92	110.80
1	1Q	172	PHE	CE1-CZ-CE2	-13.56	95.59	120.00
1	1U	172	PHE	CE1-CZ-CE2	-13.56	95.59	120.00
1	1Y	172	PHE	CE1-CZ-CE2	-13.56	95.59	120.00
2	2J	4	GLU	N-CA-C	-13.56	81.92	110.80
1	2Q	172	PHE	CE1-CZ-CE2	-13.56	95.59	120.00
1	2U	172	PHE	CE1-CZ-CE2	-13.56	95.59	120.00
1	2Y	172	PHE	CE1-CZ-CE2	-13.56	95.59	120.00
2	3B	4	GLU	N-CA-C	-13.56	81.92	110.80
2	3J	4	GLU	N-CA-C	-13.56	81.92	110.80
2	33	4	GLU	N-CA-C	-13.56	81.92	110.80
2	4F	4	GLU	N-CA-C	-13.56	81.92	110.80
2	4Z	4	GLU	N-CA-C	-13.56	81.92	110.80
1	42	172	PHE	CE1-CZ-CE2	-13.56	95.59	120.00
1	46	172	PHE	CE1-CZ-CE2	-13.56	95.59	120.00
1	5A	172	PHE	CE1-CZ-CE2	-13.56	95.59	120.00
2	5V	4	GLU	N-CA-C	-13.56	81.92	110.80
1	52	172	PHE	CE1-CZ-CE2	-13.56	95.59	120.00
1	56	172	PHE	CE1-CZ-CE2	-13.56	95.59	120.00
1	6A	172	PHE	CE1-CZ-CE2	-13.56	95.59	120.00
2	6N	4	GLU	N-CA-C	-13.56	81.92	110.80
2	6V	4	GLU	N-CA-C	-13.56	81.92	110.80
2	7F	4	GLU	N-CA-C	-13.56	81.92	110.80
2	7R	4	GLU	N-CA-C	-13.56	81.92	110.80
2	13	68	PRO	O-C-N	-13.56	104.34	122.64
2	17	68	PRO	O-C-N	-13.56	104.34	122.64
2	2B	68	PRO	O-C-N	-13.56	104.34	122.64
2	3R	68	PRO	O-C-N	-13.56	104.34	122.64
2	3V	68	PRO	O-C-N	-13.56	104.34	122.64
2	3Z	68	PRO	O-C-N	-13.56	104.34	122.64
2	5F	68	PRO	O-C-N	-13.56	104.34	122.64
2	5J	68	PRO	O-C-N	-13.56	104.34	122.64
2	5N	68	PRO	O-C-N	-13.56	104.34	122.64
2	63	68	PRO	O-C-N	-13.56	104.34	122.64
2	67	68	PRO	O-C-N	-13.56	104.34	122.64
2	7B	68	PRO	O-C-N	-13.56	104.34	122.64
2	1B	7	ASN	O-C-N	13.56	140.62	122.59
2	1J	7	ASN	O-C-N	13.56	140.62	122.59
1	1M	172	PHE	CE1-CZ-CE2	-13.55	95.60	120.00
2	1R	4	GLU	N-CA-C	-13.56	81.92	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1V	4	GLU	N-CA-C	-13.56	81.92	110.80
2	1Z	4	GLU	N-CA-C	-13.56	81.92	110.80
2	2F	7	ASN	O-C-N	13.56	140.62	122.59
1	2I	172	PHE	CE1-CZ-CE2	-13.55	95.60	120.00
2	2R	4	GLU	N-CA-C	-13.56	81.92	110.80
2	2V	4	GLU	N-CA-C	-13.56	81.92	110.80
2	2Z	4	GLU	N-CA-C	-13.56	81.92	110.80
2	27	7	ASN	O-C-N	13.56	140.62	122.59
1	3A	172	PHE	CE1-CZ-CE2	-13.55	95.60	120.00
2	3F	7	ASN	O-C-N	13.56	140.62	122.59
1	3I	172	PHE	CE1-CZ-CE2	-13.55	95.60	120.00
1	32	172	PHE	CE1-CZ-CE2	-13.55	95.60	120.00
2	4B	7	ASN	O-C-N	13.56	140.62	122.59
1	4E	172	PHE	CE1-CZ-CE2	-13.55	95.60	120.00
2	4N	7	ASN	O-C-N	13.56	140.62	122.59
2	4V	7	ASN	O-C-N	13.56	140.62	122.59
1	4Y	172	PHE	CE1-CZ-CE2	-13.55	95.60	120.00
2	43	4	GLU	N-CA-C	-13.56	81.92	110.80
2	47	4	GLU	N-CA-C	-13.56	81.92	110.80
2	5B	4	GLU	N-CA-C	-13.56	81.92	110.80
2	5R	7	ASN	O-C-N	13.56	140.62	122.59
1	5U	172	PHE	CE1-CZ-CE2	-13.55	95.60	120.00
2	53	4	GLU	N-CA-C	-13.56	81.92	110.80
2	57	4	GLU	N-CA-C	-13.56	81.92	110.80
2	6B	4	GLU	N-CA-C	-13.56	81.92	110.80
2	6J	7	ASN	O-C-N	13.56	140.62	122.59
1	6M	172	PHE	CE1-CZ-CE2	-13.55	95.60	120.00
2	6R	7	ASN	O-C-N	13.56	140.62	122.59
1	6U	172	PHE	CE1-CZ-CE2	-13.55	95.60	120.00
1	7E	172	PHE	CE1-CZ-CE2	-13.55	95.60	120.00
2	7N	7	ASN	O-C-N	13.56	140.62	122.59
1	7Q	172	PHE	CE1-CZ-CE2	-13.55	95.60	120.00
1	12	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	16	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	2A	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	3Q	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	3U	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	3Y	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	5E	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	5I	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	5M	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	62	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	7A	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
2	1N	7	ASN	O-C-N	13.55	140.61	122.59
2	2J	7	ASN	O-C-N	13.55	140.61	122.59
2	3B	7	ASN	O-C-N	13.55	140.61	122.59
2	3J	7	ASN	O-C-N	13.55	140.61	122.59
2	33	7	ASN	O-C-N	13.55	140.61	122.59
2	4F	7	ASN	O-C-N	13.55	140.61	122.59
2	4Z	7	ASN	O-C-N	13.55	140.61	122.59
2	5V	7	ASN	O-C-N	13.55	140.61	122.59
2	6N	7	ASN	O-C-N	13.55	140.61	122.59
2	6V	7	ASN	O-C-N	13.55	140.61	122.59
2	7F	7	ASN	O-C-N	13.55	140.61	122.59
2	7R	7	ASN	O-C-N	13.55	140.61	122.59
1	1E	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
2	13	7	ASN	O-C-N	13.55	140.61	122.59
2	17	7	ASN	O-C-N	13.55	140.61	122.59
2	2B	7	ASN	O-C-N	13.55	140.61	122.59
1	2M	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	22	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	3M	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
2	3R	7	ASN	O-C-N	13.55	140.61	122.59
2	3V	7	ASN	O-C-N	13.55	140.61	122.59
2	3Z	7	ASN	O-C-N	13.55	140.61	122.59
1	36	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	4I	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	4Q	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
2	5F	7	ASN	O-C-N	13.55	140.61	122.59
2	5J	7	ASN	O-C-N	13.55	140.61	122.59
2	5N	7	ASN	O-C-N	13.55	140.61	122.59
1	5Y	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	6E	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	6Y	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
2	63	7	ASN	O-C-N	13.55	140.61	122.59
2	67	7	ASN	O-C-N	13.55	140.61	122.59
2	7B	7	ASN	O-C-N	13.55	140.61	122.59
1	7I	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	7U	172	PHE	CE1-CZ-CE2	-13.55	95.61	120.00
1	1A	172	PHE	CE1-CZ-CE2	-13.54	95.63	120.00
1	1E	171	ARG	CA-CB-CG	13.54	141.18	114.10
1	1I	172	PHE	CE1-CZ-CE2	-13.54	95.63	120.00
1	2E	172	PHE	CE1-CZ-CE2	-13.54	95.63	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	171	ARG	CA-CB-CG	13.54	141.18	114.10
1	22	171	ARG	CA-CB-CG	13.54	141.18	114.10
1	26	172	PHE	CE1-CZ-CE2	-13.54	95.63	120.00
1	3E	172	PHE	CE1-CZ-CE2	-13.54	95.63	120.00
1	3M	171	ARG	CA-CB-CG	13.54	141.18	114.10
1	36	171	ARG	CA-CB-CG	13.54	141.18	114.10
1	4A	172	PHE	CE1-CZ-CE2	-13.54	95.63	120.00
1	4I	171	ARG	CA-CB-CG	13.54	141.18	114.10
1	4M	172	PHE	CE1-CZ-CE2	-13.54	95.63	120.00
1	4Q	171	ARG	CA-CB-CG	13.54	141.18	114.10
1	4U	172	PHE	CE1-CZ-CE2	-13.54	95.63	120.00
1	5Q	172	PHE	CE1-CZ-CE2	-13.54	95.63	120.00
1	5Y	171	ARG	CA-CB-CG	13.54	141.18	114.10
1	6E	171	ARG	CA-CB-CG	13.54	141.18	114.10
1	6I	172	PHE	CE1-CZ-CE2	-13.54	95.63	120.00
1	6Q	172	PHE	CE1-CZ-CE2	-13.54	95.63	120.00
1	6Y	171	ARG	CA-CB-CG	13.54	141.18	114.10
1	7I	171	ARG	CA-CB-CG	13.54	141.18	114.10
1	7M	172	PHE	CE1-CZ-CE2	-13.54	95.63	120.00
1	7U	171	ARG	CA-CB-CG	13.54	141.18	114.10
2	1R	7	ASN	O-C-N	13.54	140.59	122.59
2	1V	7	ASN	O-C-N	13.54	140.59	122.59
2	1Z	7	ASN	O-C-N	13.54	140.59	122.59
2	2R	7	ASN	O-C-N	13.54	140.59	122.59
2	2V	7	ASN	O-C-N	13.54	140.59	122.59
2	2Z	7	ASN	O-C-N	13.54	140.59	122.59
2	43	7	ASN	O-C-N	13.54	140.59	122.59
2	47	7	ASN	O-C-N	13.54	140.59	122.59
2	5B	7	ASN	O-C-N	13.54	140.59	122.59
2	53	7	ASN	O-C-N	13.54	140.59	122.59
2	57	7	ASN	O-C-N	13.54	140.59	122.59
2	6B	7	ASN	O-C-N	13.54	140.59	122.59
1	1Q	171	ARG	CA-CB-CG	13.53	141.16	114.10
1	1U	171	ARG	CA-CB-CG	13.53	141.16	114.10
1	1Y	171	ARG	CA-CB-CG	13.53	141.16	114.10
1	2Q	171	ARG	CA-CB-CG	13.53	141.16	114.10
1	2U	171	ARG	CA-CB-CG	13.53	141.16	114.10
1	2Y	171	ARG	CA-CB-CG	13.53	141.16	114.10
1	42	171	ARG	CA-CB-CG	13.53	141.16	114.10
1	46	171	ARG	CA-CB-CG	13.53	141.16	114.10
1	5A	171	ARG	CA-CB-CG	13.53	141.16	114.10
1	52	171	ARG	CA-CB-CG	13.53	141.16	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	171	ARG	CA-CB-CG	13.53	141.16	114.10
1	6A	171	ARG	CA-CB-CG	13.53	141.16	114.10
1	1A	171	ARG	CA-CB-CG	13.52	141.13	114.10
1	1I	171	ARG	CA-CB-CG	13.52	141.13	114.10
1	2E	171	ARG	CA-CB-CG	13.52	141.13	114.10
1	26	171	ARG	CA-CB-CG	13.52	141.13	114.10
1	3E	171	ARG	CA-CB-CG	13.52	141.13	114.10
1	4A	171	ARG	CA-CB-CG	13.52	141.13	114.10
1	4M	171	ARG	CA-CB-CG	13.52	141.13	114.10
1	4U	171	ARG	CA-CB-CG	13.52	141.13	114.10
1	5Q	171	ARG	CA-CB-CG	13.52	141.13	114.10
1	6I	171	ARG	CA-CB-CG	13.52	141.13	114.10
1	6Q	171	ARG	CA-CB-CG	13.52	141.13	114.10
1	7M	171	ARG	CA-CB-CG	13.52	141.13	114.10
1	1M	171	ARG	CA-CB-CG	13.51	141.13	114.10
1	2I	171	ARG	CA-CB-CG	13.51	141.13	114.10
1	3A	171	ARG	CA-CB-CG	13.51	141.13	114.10
1	3I	171	ARG	CA-CB-CG	13.51	141.13	114.10
1	32	171	ARG	CA-CB-CG	13.51	141.13	114.10
1	4E	171	ARG	CA-CB-CG	13.51	141.13	114.10
1	4Y	171	ARG	CA-CB-CG	13.51	141.13	114.10
1	5U	171	ARG	CA-CB-CG	13.51	141.13	114.10
1	6M	171	ARG	CA-CB-CG	13.51	141.13	114.10
1	6U	171	ARG	CA-CB-CG	13.51	141.13	114.10
1	7E	171	ARG	CA-CB-CG	13.51	141.13	114.10
1	7Q	171	ARG	CA-CB-CG	13.51	141.13	114.10
1	1E	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	2M	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	22	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	3M	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	36	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	4I	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	4Q	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	5Y	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	6E	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	6Y	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	7I	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	7U	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	1M	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	2I	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	3A	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	3I	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	4E	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	4Y	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	5U	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	6M	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	6U	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	7E	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	7Q	96	ASP	OD1-CG-OD2	-13.51	90.47	122.90
1	1Q	96	ASP	OD1-CG-OD2	-13.51	90.48	122.90
1	1U	96	ASP	OD1-CG-OD2	-13.51	90.48	122.90
1	1Y	96	ASP	OD1-CG-OD2	-13.51	90.48	122.90
1	2Q	96	ASP	OD1-CG-OD2	-13.51	90.48	122.90
1	2U	96	ASP	OD1-CG-OD2	-13.51	90.48	122.90
1	2Y	96	ASP	OD1-CG-OD2	-13.51	90.48	122.90
1	42	96	ASP	OD1-CG-OD2	-13.51	90.48	122.90
1	46	96	ASP	OD1-CG-OD2	-13.51	90.48	122.90
1	5A	96	ASP	OD1-CG-OD2	-13.51	90.48	122.90
1	52	96	ASP	OD1-CG-OD2	-13.51	90.48	122.90
1	56	96	ASP	OD1-CG-OD2	-13.51	90.48	122.90
1	6A	96	ASP	OD1-CG-OD2	-13.51	90.48	122.90
1	12	96	ASP	OD1-CG-OD2	-13.51	90.49	122.90
1	12	171	ARG	CA-CB-CG	13.51	141.11	114.10
1	16	96	ASP	OD1-CG-OD2	-13.51	90.49	122.90
1	16	171	ARG	CA-CB-CG	13.51	141.11	114.10
1	2A	96	ASP	OD1-CG-OD2	-13.51	90.49	122.90
1	2A	171	ARG	CA-CB-CG	13.51	141.11	114.10
1	3Q	96	ASP	OD1-CG-OD2	-13.51	90.49	122.90
1	3Q	171	ARG	CA-CB-CG	13.51	141.11	114.10
1	3U	96	ASP	OD1-CG-OD2	-13.51	90.49	122.90
1	3U	171	ARG	CA-CB-CG	13.51	141.11	114.10
1	3Y	96	ASP	OD1-CG-OD2	-13.51	90.49	122.90
1	3Y	171	ARG	CA-CB-CG	13.51	141.11	114.10
1	5E	96	ASP	OD1-CG-OD2	-13.51	90.49	122.90
1	5E	171	ARG	CA-CB-CG	13.51	141.11	114.10
1	5I	96	ASP	OD1-CG-OD2	-13.51	90.49	122.90
1	5I	171	ARG	CA-CB-CG	13.51	141.11	114.10
1	5M	96	ASP	OD1-CG-OD2	-13.51	90.49	122.90
1	5M	171	ARG	CA-CB-CG	13.51	141.11	114.10
1	62	96	ASP	OD1-CG-OD2	-13.51	90.49	122.90
1	62	171	ARG	CA-CB-CG	13.51	141.11	114.10
1	66	96	ASP	OD1-CG-OD2	-13.51	90.49	122.90
1	66	171	ARG	CA-CB-CG	13.51	141.11	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7A	96	ASP	OD1-CG-OD2	-13.51	90.49	122.90
1	7A	171	ARG	CA-CB-CG	13.51	141.11	114.10
1	1A	96	ASP	OD1-CG-OD2	-13.50	90.50	122.90
1	1I	96	ASP	OD1-CG-OD2	-13.50	90.50	122.90
1	2E	96	ASP	OD1-CG-OD2	-13.50	90.50	122.90
1	26	96	ASP	OD1-CG-OD2	-13.50	90.50	122.90
1	3E	96	ASP	OD1-CG-OD2	-13.50	90.50	122.90
1	4A	96	ASP	OD1-CG-OD2	-13.50	90.50	122.90
1	4M	96	ASP	OD1-CG-OD2	-13.50	90.50	122.90
1	4U	96	ASP	OD1-CG-OD2	-13.50	90.50	122.90
1	5Q	96	ASP	OD1-CG-OD2	-13.50	90.50	122.90
1	6I	96	ASP	OD1-CG-OD2	-13.50	90.50	122.90
1	6Q	96	ASP	OD1-CG-OD2	-13.50	90.50	122.90
1	7M	96	ASP	OD1-CG-OD2	-13.50	90.50	122.90
2	1R	59	VAL	O-C-N	13.49	140.31	121.82
2	1V	59	VAL	O-C-N	13.49	140.31	121.82
2	1Z	59	VAL	O-C-N	13.49	140.31	121.82
2	2R	59	VAL	O-C-N	13.49	140.31	121.82
2	2V	59	VAL	O-C-N	13.49	140.31	121.82
2	2Z	59	VAL	O-C-N	13.49	140.31	121.82
2	43	59	VAL	O-C-N	13.49	140.31	121.82
2	47	59	VAL	O-C-N	13.49	140.31	121.82
2	5B	59	VAL	O-C-N	13.49	140.31	121.82
2	53	59	VAL	O-C-N	13.49	140.31	121.82
2	57	59	VAL	O-C-N	13.49	140.31	121.82
2	6B	59	VAL	O-C-N	13.49	140.31	121.82
2	1B	59	VAL	O-C-N	13.49	140.30	121.82
2	1J	59	VAL	O-C-N	13.49	140.30	121.82
2	13	59	VAL	O-C-N	13.49	140.30	121.82
2	17	59	VAL	O-C-N	13.49	140.30	121.82
2	2B	59	VAL	O-C-N	13.49	140.30	121.82
2	2F	59	VAL	O-C-N	13.49	140.30	121.82
2	27	59	VAL	O-C-N	13.49	140.30	121.82
2	3F	59	VAL	O-C-N	13.49	140.30	121.82
2	3R	59	VAL	O-C-N	13.49	140.30	121.82
2	3V	59	VAL	O-C-N	13.49	140.30	121.82
2	3Z	59	VAL	O-C-N	13.49	140.30	121.82
2	4B	59	VAL	O-C-N	13.49	140.30	121.82
2	4N	59	VAL	O-C-N	13.49	140.30	121.82
2	4V	59	VAL	O-C-N	13.49	140.30	121.82
2	5F	59	VAL	O-C-N	13.49	140.30	121.82
2	5J	59	VAL	O-C-N	13.49	140.30	121.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5N	59	VAL	O-C-N	13.49	140.30	121.82
2	5R	59	VAL	O-C-N	13.49	140.30	121.82
2	6J	59	VAL	O-C-N	13.49	140.30	121.82
2	6R	59	VAL	O-C-N	13.49	140.30	121.82
2	63	59	VAL	O-C-N	13.49	140.30	121.82
2	67	59	VAL	O-C-N	13.49	140.30	121.82
2	7B	59	VAL	O-C-N	13.49	140.30	121.82
2	7N	59	VAL	O-C-N	13.49	140.30	121.82
2	1F	59	VAL	O-C-N	13.48	140.29	121.82
2	2N	59	VAL	O-C-N	13.48	140.29	121.82
2	23	59	VAL	O-C-N	13.48	140.29	121.82
2	3N	59	VAL	O-C-N	13.48	140.29	121.82
2	37	59	VAL	O-C-N	13.48	140.29	121.82
2	4J	59	VAL	O-C-N	13.48	140.29	121.82
2	4R	59	VAL	O-C-N	13.48	140.29	121.82
2	5Z	59	VAL	O-C-N	13.48	140.29	121.82
2	6F	59	VAL	O-C-N	13.48	140.29	121.82
2	6Z	59	VAL	O-C-N	13.48	140.29	121.82
2	7J	59	VAL	O-C-N	13.48	140.29	121.82
2	7V	59	VAL	O-C-N	13.48	140.29	121.82
2	1N	59	VAL	O-C-N	13.47	140.28	121.82
2	13	220	PHE	CA-C-N	-13.47	100.30	122.39
2	13	220	PHE	C-N-CA	-13.47	100.30	122.39
2	17	220	PHE	CA-C-N	-13.47	100.30	122.39
2	17	220	PHE	C-N-CA	-13.47	100.30	122.39
2	2B	220	PHE	CA-C-N	-13.47	100.30	122.39
2	2B	220	PHE	C-N-CA	-13.47	100.30	122.39
2	2J	59	VAL	O-C-N	13.47	140.28	121.82
2	3B	59	VAL	O-C-N	13.47	140.28	121.82
2	3J	59	VAL	O-C-N	13.47	140.28	121.82
2	3R	220	PHE	CA-C-N	-13.47	100.30	122.39
2	3R	220	PHE	C-N-CA	-13.47	100.30	122.39
2	3V	220	PHE	CA-C-N	-13.47	100.30	122.39
2	3V	220	PHE	C-N-CA	-13.47	100.30	122.39
2	3Z	220	PHE	CA-C-N	-13.47	100.30	122.39
2	3Z	220	PHE	C-N-CA	-13.47	100.30	122.39
2	33	59	VAL	O-C-N	13.47	140.28	121.82
2	4F	59	VAL	O-C-N	13.47	140.28	121.82
2	4Z	59	VAL	O-C-N	13.47	140.28	121.82
2	5F	220	PHE	CA-C-N	-13.47	100.30	122.39
2	5F	220	PHE	C-N-CA	-13.47	100.30	122.39
2	5J	220	PHE	CA-C-N	-13.47	100.30	122.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5J	220	PHE	C-N-CA	-13.47	100.30	122.39
2	5N	220	PHE	CA-C-N	-13.47	100.30	122.39
2	5N	220	PHE	C-N-CA	-13.47	100.30	122.39
2	5V	59	VAL	O-C-N	13.47	140.28	121.82
2	6N	59	VAL	O-C-N	13.47	140.28	121.82
2	6V	59	VAL	O-C-N	13.47	140.28	121.82
2	63	220	PHE	CA-C-N	-13.47	100.30	122.39
2	63	220	PHE	C-N-CA	-13.47	100.30	122.39
2	67	220	PHE	CA-C-N	-13.47	100.30	122.39
2	67	220	PHE	C-N-CA	-13.47	100.30	122.39
2	7B	220	PHE	CA-C-N	-13.47	100.30	122.39
2	7B	220	PHE	C-N-CA	-13.47	100.30	122.39
2	7F	59	VAL	O-C-N	13.47	140.28	121.82
2	7R	59	VAL	O-C-N	13.47	140.28	121.82
2	1R	220	PHE	CA-C-N	-13.47	100.30	122.39
2	1R	220	PHE	C-N-CA	-13.47	100.30	122.39
2	1V	220	PHE	CA-C-N	-13.47	100.30	122.39
2	1V	220	PHE	C-N-CA	-13.47	100.30	122.39
2	1Z	220	PHE	CA-C-N	-13.47	100.30	122.39
2	1Z	220	PHE	C-N-CA	-13.47	100.30	122.39
2	2R	220	PHE	CA-C-N	-13.47	100.30	122.39
2	2R	220	PHE	C-N-CA	-13.47	100.30	122.39
2	2V	220	PHE	CA-C-N	-13.47	100.30	122.39
2	2V	220	PHE	C-N-CA	-13.47	100.30	122.39
2	2Z	220	PHE	CA-C-N	-13.47	100.30	122.39
2	2Z	220	PHE	C-N-CA	-13.47	100.30	122.39
2	43	220	PHE	CA-C-N	-13.47	100.30	122.39
2	43	220	PHE	C-N-CA	-13.47	100.30	122.39
2	47	220	PHE	CA-C-N	-13.47	100.30	122.39
2	47	220	PHE	C-N-CA	-13.47	100.30	122.39
2	5B	220	PHE	CA-C-N	-13.47	100.30	122.39
2	5B	220	PHE	C-N-CA	-13.47	100.30	122.39
2	53	220	PHE	CA-C-N	-13.47	100.30	122.39
2	53	220	PHE	C-N-CA	-13.47	100.30	122.39
2	57	220	PHE	CA-C-N	-13.47	100.30	122.39
2	57	220	PHE	C-N-CA	-13.47	100.30	122.39
2	6B	220	PHE	CA-C-N	-13.47	100.30	122.39
2	6B	220	PHE	C-N-CA	-13.47	100.30	122.39
2	1B	220	PHE	CA-C-N	-13.46	100.31	122.39
2	1B	220	PHE	C-N-CA	-13.46	100.31	122.39
2	1J	220	PHE	CA-C-N	-13.46	100.31	122.39
2	1J	220	PHE	C-N-CA	-13.46	100.31	122.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2F	220	PHE	CA-C-N	-13.46	100.31	122.39
2	2F	220	PHE	C-N-CA	-13.46	100.31	122.39
2	27	220	PHE	CA-C-N	-13.46	100.31	122.39
2	27	220	PHE	C-N-CA	-13.46	100.31	122.39
2	3F	220	PHE	CA-C-N	-13.46	100.31	122.39
2	3F	220	PHE	C-N-CA	-13.46	100.31	122.39
2	4B	220	PHE	CA-C-N	-13.46	100.31	122.39
2	4B	220	PHE	C-N-CA	-13.46	100.31	122.39
2	4N	220	PHE	CA-C-N	-13.46	100.31	122.39
2	4N	220	PHE	C-N-CA	-13.46	100.31	122.39
2	4V	220	PHE	CA-C-N	-13.46	100.31	122.39
2	4V	220	PHE	C-N-CA	-13.46	100.31	122.39
2	5R	220	PHE	CA-C-N	-13.46	100.31	122.39
2	5R	220	PHE	C-N-CA	-13.46	100.31	122.39
2	6J	220	PHE	CA-C-N	-13.46	100.31	122.39
2	6J	220	PHE	C-N-CA	-13.46	100.31	122.39
2	6R	220	PHE	CA-C-N	-13.46	100.31	122.39
2	6R	220	PHE	C-N-CA	-13.46	100.31	122.39
2	7N	220	PHE	CA-C-N	-13.46	100.31	122.39
2	7N	220	PHE	C-N-CA	-13.46	100.31	122.39
2	1F	220	PHE	CA-C-N	-13.46	100.31	122.39
2	1F	220	PHE	C-N-CA	-13.46	100.31	122.39
2	2N	220	PHE	CA-C-N	-13.46	100.31	122.39
2	2N	220	PHE	C-N-CA	-13.46	100.31	122.39
2	23	220	PHE	CA-C-N	-13.46	100.31	122.39
2	23	220	PHE	C-N-CA	-13.46	100.31	122.39
2	3N	220	PHE	CA-C-N	-13.46	100.31	122.39
2	3N	220	PHE	C-N-CA	-13.46	100.31	122.39
2	37	220	PHE	CA-C-N	-13.46	100.31	122.39
2	37	220	PHE	C-N-CA	-13.46	100.31	122.39
2	4J	220	PHE	CA-C-N	-13.46	100.31	122.39
2	4J	220	PHE	C-N-CA	-13.46	100.31	122.39
2	4R	220	PHE	CA-C-N	-13.46	100.31	122.39
2	4R	220	PHE	C-N-CA	-13.46	100.31	122.39
2	5Z	220	PHE	CA-C-N	-13.46	100.31	122.39
2	5Z	220	PHE	C-N-CA	-13.46	100.31	122.39
2	6F	220	PHE	CA-C-N	-13.46	100.31	122.39
2	6F	220	PHE	C-N-CA	-13.46	100.31	122.39
2	6Z	220	PHE	CA-C-N	-13.46	100.31	122.39
2	6Z	220	PHE	C-N-CA	-13.46	100.31	122.39
2	7J	220	PHE	CA-C-N	-13.46	100.31	122.39
2	7J	220	PHE	C-N-CA	-13.46	100.31	122.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7V	220	PHE	CA-C-N	-13.46	100.31	122.39
2	7V	220	PHE	C-N-CA	-13.46	100.31	122.39
2	1N	217	PRO	CA-C-N	13.46	147.25	121.54
2	1N	217	PRO	C-N-CA	13.46	147.25	121.54
2	2J	217	PRO	CA-C-N	13.46	147.25	121.54
2	2J	217	PRO	C-N-CA	13.46	147.25	121.54
2	3B	217	PRO	CA-C-N	13.46	147.25	121.54
2	3B	217	PRO	C-N-CA	13.46	147.25	121.54
2	3J	217	PRO	CA-C-N	13.46	147.25	121.54
2	3J	217	PRO	C-N-CA	13.46	147.25	121.54
2	33	217	PRO	CA-C-N	13.46	147.25	121.54
2	33	217	PRO	C-N-CA	13.46	147.25	121.54
2	4F	217	PRO	CA-C-N	13.46	147.25	121.54
2	4F	217	PRO	C-N-CA	13.46	147.25	121.54
2	4Z	217	PRO	CA-C-N	13.46	147.25	121.54
2	4Z	217	PRO	C-N-CA	13.46	147.25	121.54
2	5V	217	PRO	CA-C-N	13.46	147.25	121.54
2	5V	217	PRO	C-N-CA	13.46	147.25	121.54
2	6N	217	PRO	CA-C-N	13.46	147.25	121.54
2	6N	217	PRO	C-N-CA	13.46	147.25	121.54
2	6V	217	PRO	CA-C-N	13.46	147.25	121.54
2	6V	217	PRO	C-N-CA	13.46	147.25	121.54
2	7F	217	PRO	CA-C-N	13.46	147.25	121.54
2	7F	217	PRO	C-N-CA	13.46	147.25	121.54
2	7R	217	PRO	CA-C-N	13.46	147.25	121.54
2	7R	217	PRO	C-N-CA	13.46	147.25	121.54
2	1N	220	PHE	CA-C-N	-13.45	100.33	122.39
2	1N	220	PHE	C-N-CA	-13.45	100.33	122.39
2	2J	220	PHE	CA-C-N	-13.45	100.33	122.39
2	2J	220	PHE	C-N-CA	-13.45	100.33	122.39
2	3B	220	PHE	CA-C-N	-13.45	100.33	122.39
2	3B	220	PHE	C-N-CA	-13.45	100.33	122.39
2	3J	220	PHE	CA-C-N	-13.45	100.33	122.39
2	3J	220	PHE	C-N-CA	-13.45	100.33	122.39
2	33	220	PHE	CA-C-N	-13.45	100.33	122.39
2	33	220	PHE	C-N-CA	-13.45	100.33	122.39
2	4F	220	PHE	CA-C-N	-13.45	100.33	122.39
2	4F	220	PHE	C-N-CA	-13.45	100.33	122.39
2	4Z	220	PHE	CA-C-N	-13.45	100.33	122.39
2	4Z	220	PHE	C-N-CA	-13.45	100.33	122.39
2	5V	220	PHE	CA-C-N	-13.45	100.33	122.39
2	5V	220	PHE	C-N-CA	-13.45	100.33	122.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6N	220	PHE	CA-C-N	-13.45	100.33	122.39
2	6N	220	PHE	C-N-CA	-13.45	100.33	122.39
2	6V	220	PHE	CA-C-N	-13.45	100.33	122.39
2	6V	220	PHE	C-N-CA	-13.45	100.33	122.39
2	7F	220	PHE	CA-C-N	-13.45	100.33	122.39
2	7F	220	PHE	C-N-CA	-13.45	100.33	122.39
2	7R	220	PHE	CA-C-N	-13.45	100.33	122.39
2	7R	220	PHE	C-N-CA	-13.45	100.33	122.39
2	1B	217	PRO	CA-C-N	13.45	147.23	121.54
2	1B	217	PRO	C-N-CA	13.45	147.23	121.54
1	1E	47	VAL	O-C-N	-13.45	108.67	122.93
2	1J	217	PRO	CA-C-N	13.45	147.23	121.54
2	1J	217	PRO	C-N-CA	13.45	147.23	121.54
2	2F	217	PRO	CA-C-N	13.45	147.23	121.54
2	2F	217	PRO	C-N-CA	13.45	147.23	121.54
1	2M	47	VAL	O-C-N	-13.45	108.67	122.93
1	22	47	VAL	O-C-N	-13.45	108.67	122.93
2	27	217	PRO	CA-C-N	13.45	147.23	121.54
2	27	217	PRO	C-N-CA	13.45	147.23	121.54
2	3F	217	PRO	CA-C-N	13.45	147.23	121.54
2	3F	217	PRO	C-N-CA	13.45	147.23	121.54
1	3M	47	VAL	O-C-N	-13.45	108.67	122.93
1	36	47	VAL	O-C-N	-13.45	108.67	122.93
2	4B	217	PRO	CA-C-N	13.45	147.23	121.54
2	4B	217	PRO	C-N-CA	13.45	147.23	121.54
1	4I	47	VAL	O-C-N	-13.45	108.67	122.93
2	4N	217	PRO	CA-C-N	13.45	147.23	121.54
2	4N	217	PRO	C-N-CA	13.45	147.23	121.54
1	4Q	47	VAL	O-C-N	-13.45	108.67	122.93
2	4V	217	PRO	CA-C-N	13.45	147.23	121.54
2	4V	217	PRO	C-N-CA	13.45	147.23	121.54
2	5R	217	PRO	CA-C-N	13.45	147.23	121.54
2	5R	217	PRO	C-N-CA	13.45	147.23	121.54
1	5Y	47	VAL	O-C-N	-13.45	108.67	122.93
1	6E	47	VAL	O-C-N	-13.45	108.67	122.93
2	6J	217	PRO	CA-C-N	13.45	147.23	121.54
2	6J	217	PRO	C-N-CA	13.45	147.23	121.54
2	6R	217	PRO	CA-C-N	13.45	147.23	121.54
2	6R	217	PRO	C-N-CA	13.45	147.23	121.54
1	6Y	47	VAL	O-C-N	-13.45	108.67	122.93
1	7I	47	VAL	O-C-N	-13.45	108.67	122.93
2	7N	217	PRO	CA-C-N	13.45	147.23	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	217	PRO	C-N-CA	13.45	147.23	121.54
1	7U	47	VAL	O-C-N	-13.45	108.67	122.93
1	12	51	LEU	CA-C-O	13.45	136.66	121.87
1	16	51	LEU	CA-C-O	13.45	136.66	121.87
1	2A	51	LEU	CA-C-O	13.45	136.66	121.87
1	3Q	51	LEU	CA-C-O	13.45	136.66	121.87
1	3U	51	LEU	CA-C-O	13.45	136.66	121.87
1	3Y	51	LEU	CA-C-O	13.45	136.66	121.87
1	5E	51	LEU	CA-C-O	13.45	136.66	121.87
1	5I	51	LEU	CA-C-O	13.45	136.66	121.87
1	5M	51	LEU	CA-C-O	13.45	136.66	121.87
1	62	51	LEU	CA-C-O	13.45	136.66	121.87
1	66	51	LEU	CA-C-O	13.45	136.66	121.87
1	7A	51	LEU	CA-C-O	13.45	136.66	121.87
2	1F	217	PRO	CA-C-N	13.44	147.22	121.54
2	1F	217	PRO	C-N-CA	13.44	147.22	121.54
2	2N	217	PRO	CA-C-N	13.44	147.22	121.54
2	2N	217	PRO	C-N-CA	13.44	147.22	121.54
2	23	217	PRO	CA-C-N	13.44	147.22	121.54
2	23	217	PRO	C-N-CA	13.44	147.22	121.54
2	3N	217	PRO	CA-C-N	13.44	147.22	121.54
2	3N	217	PRO	C-N-CA	13.44	147.22	121.54
2	37	217	PRO	CA-C-N	13.44	147.22	121.54
2	37	217	PRO	C-N-CA	13.44	147.22	121.54
2	4J	217	PRO	CA-C-N	13.44	147.22	121.54
2	4J	217	PRO	C-N-CA	13.44	147.22	121.54
2	4R	217	PRO	CA-C-N	13.44	147.22	121.54
2	4R	217	PRO	C-N-CA	13.44	147.22	121.54
2	5Z	217	PRO	CA-C-N	13.44	147.22	121.54
2	5Z	217	PRO	C-N-CA	13.44	147.22	121.54
2	6F	217	PRO	CA-C-N	13.44	147.22	121.54
2	6F	217	PRO	C-N-CA	13.44	147.22	121.54
2	6Z	217	PRO	CA-C-N	13.44	147.22	121.54
2	6Z	217	PRO	C-N-CA	13.44	147.22	121.54
2	7J	217	PRO	CA-C-N	13.44	147.22	121.54
2	7J	217	PRO	C-N-CA	13.44	147.22	121.54
2	7V	217	PRO	CA-C-N	13.44	147.22	121.54
2	7V	217	PRO	C-N-CA	13.44	147.22	121.54
2	13	217	PRO	CA-C-N	13.44	147.21	121.54
2	13	217	PRO	C-N-CA	13.44	147.21	121.54
2	17	217	PRO	CA-C-N	13.44	147.21	121.54
2	17	217	PRO	C-N-CA	13.44	147.21	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	217	PRO	CA-C-N	13.44	147.21	121.54
2	2B	217	PRO	C-N-CA	13.44	147.21	121.54
2	3R	217	PRO	CA-C-N	13.44	147.21	121.54
2	3R	217	PRO	C-N-CA	13.44	147.21	121.54
2	3V	217	PRO	CA-C-N	13.44	147.21	121.54
2	3V	217	PRO	C-N-CA	13.44	147.21	121.54
2	3Z	217	PRO	CA-C-N	13.44	147.21	121.54
2	3Z	217	PRO	C-N-CA	13.44	147.21	121.54
2	5F	217	PRO	CA-C-N	13.44	147.21	121.54
2	5F	217	PRO	C-N-CA	13.44	147.21	121.54
2	5J	217	PRO	CA-C-N	13.44	147.21	121.54
2	5J	217	PRO	C-N-CA	13.44	147.21	121.54
2	5N	217	PRO	CA-C-N	13.44	147.21	121.54
2	5N	217	PRO	C-N-CA	13.44	147.21	121.54
2	63	217	PRO	CA-C-N	13.44	147.21	121.54
2	63	217	PRO	C-N-CA	13.44	147.21	121.54
2	67	217	PRO	CA-C-N	13.44	147.21	121.54
2	67	217	PRO	C-N-CA	13.44	147.21	121.54
2	7B	217	PRO	CA-C-N	13.44	147.21	121.54
2	7B	217	PRO	C-N-CA	13.44	147.21	121.54
1	1Q	51	LEU	CA-C-O	13.44	136.65	121.87
1	1U	51	LEU	CA-C-O	13.44	136.65	121.87
1	1Y	51	LEU	CA-C-O	13.44	136.65	121.87
1	2Q	51	LEU	CA-C-O	13.44	136.65	121.87
1	2U	51	LEU	CA-C-O	13.44	136.65	121.87
1	2Y	51	LEU	CA-C-O	13.44	136.65	121.87
1	42	51	LEU	CA-C-O	13.44	136.65	121.87
1	46	51	LEU	CA-C-O	13.44	136.65	121.87
1	5A	51	LEU	CA-C-O	13.44	136.65	121.87
1	52	51	LEU	CA-C-O	13.44	136.65	121.87
1	56	51	LEU	CA-C-O	13.44	136.65	121.87
1	6A	51	LEU	CA-C-O	13.44	136.65	121.87
1	12	47	VAL	O-C-N	-13.44	108.69	122.93
1	16	47	VAL	O-C-N	-13.44	108.69	122.93
1	2A	47	VAL	O-C-N	-13.44	108.69	122.93
1	3Q	47	VAL	O-C-N	-13.44	108.69	122.93
1	3U	47	VAL	O-C-N	-13.44	108.69	122.93
1	3Y	47	VAL	O-C-N	-13.44	108.69	122.93
1	5E	47	VAL	O-C-N	-13.44	108.69	122.93
1	5I	47	VAL	O-C-N	-13.44	108.69	122.93
1	5M	47	VAL	O-C-N	-13.44	108.69	122.93
1	62	47	VAL	O-C-N	-13.44	108.69	122.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	47	VAL	O-C-N	-13.44	108.69	122.93
1	7A	47	VAL	O-C-N	-13.44	108.69	122.93
2	1R	217	PRO	CA-C-N	13.44	147.20	121.54
2	1R	217	PRO	C-N-CA	13.44	147.20	121.54
2	1V	217	PRO	CA-C-N	13.44	147.20	121.54
2	1V	217	PRO	C-N-CA	13.44	147.20	121.54
2	1Z	217	PRO	CA-C-N	13.44	147.20	121.54
2	1Z	217	PRO	C-N-CA	13.44	147.20	121.54
2	2R	217	PRO	CA-C-N	13.44	147.20	121.54
2	2R	217	PRO	C-N-CA	13.44	147.20	121.54
2	2V	217	PRO	CA-C-N	13.44	147.20	121.54
2	2V	217	PRO	C-N-CA	13.44	147.20	121.54
2	2Z	217	PRO	CA-C-N	13.44	147.20	121.54
2	2Z	217	PRO	C-N-CA	13.44	147.20	121.54
2	43	217	PRO	CA-C-N	13.44	147.20	121.54
2	43	217	PRO	C-N-CA	13.44	147.20	121.54
2	47	217	PRO	CA-C-N	13.44	147.20	121.54
2	47	217	PRO	C-N-CA	13.44	147.20	121.54
2	5B	217	PRO	CA-C-N	13.44	147.20	121.54
2	5B	217	PRO	C-N-CA	13.44	147.20	121.54
2	53	217	PRO	CA-C-N	13.44	147.20	121.54
2	53	217	PRO	C-N-CA	13.44	147.20	121.54
2	57	217	PRO	CA-C-N	13.44	147.20	121.54
2	57	217	PRO	C-N-CA	13.44	147.20	121.54
2	6B	217	PRO	CA-C-N	13.44	147.20	121.54
2	6B	217	PRO	C-N-CA	13.44	147.20	121.54
1	1Q	47	VAL	O-C-N	-13.43	108.69	122.93
1	1U	47	VAL	O-C-N	-13.43	108.69	122.93
1	1Y	47	VAL	O-C-N	-13.43	108.69	122.93
1	2Q	47	VAL	O-C-N	-13.43	108.69	122.93
1	2U	47	VAL	O-C-N	-13.43	108.69	122.93
1	2Y	47	VAL	O-C-N	-13.43	108.69	122.93
1	42	47	VAL	O-C-N	-13.43	108.69	122.93
1	46	47	VAL	O-C-N	-13.43	108.69	122.93
1	5A	47	VAL	O-C-N	-13.43	108.69	122.93
1	52	47	VAL	O-C-N	-13.43	108.69	122.93
1	56	47	VAL	O-C-N	-13.43	108.69	122.93
1	6A	47	VAL	O-C-N	-13.43	108.69	122.93
1	1A	51	LEU	CA-C-O	13.43	136.64	121.87
1	1I	51	LEU	CA-C-O	13.43	136.64	121.87
1	2E	51	LEU	CA-C-O	13.43	136.64	121.87
1	26	51	LEU	CA-C-O	13.43	136.64	121.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	51	LEU	CA-C-O	13.43	136.64	121.87
1	4A	51	LEU	CA-C-O	13.43	136.64	121.87
1	4M	51	LEU	CA-C-O	13.43	136.64	121.87
1	4U	51	LEU	CA-C-O	13.43	136.64	121.87
1	5Q	51	LEU	CA-C-O	13.43	136.64	121.87
1	6I	51	LEU	CA-C-O	13.43	136.64	121.87
1	6Q	51	LEU	CA-C-O	13.43	136.64	121.87
1	7M	51	LEU	CA-C-O	13.43	136.64	121.87
1	1A	47	VAL	O-C-N	-13.42	108.71	122.93
1	1I	47	VAL	O-C-N	-13.42	108.71	122.93
1	2E	47	VAL	O-C-N	-13.42	108.71	122.93
1	26	47	VAL	O-C-N	-13.42	108.71	122.93
1	3E	47	VAL	O-C-N	-13.42	108.71	122.93
1	4A	47	VAL	O-C-N	-13.42	108.71	122.93
1	4M	47	VAL	O-C-N	-13.42	108.71	122.93
1	4U	47	VAL	O-C-N	-13.42	108.71	122.93
1	5Q	47	VAL	O-C-N	-13.42	108.71	122.93
1	6I	47	VAL	O-C-N	-13.42	108.71	122.93
1	6Q	47	VAL	O-C-N	-13.42	108.71	122.93
1	7M	47	VAL	O-C-N	-13.42	108.71	122.93
1	1M	47	VAL	O-C-N	-13.41	108.72	122.93
1	2I	47	VAL	O-C-N	-13.41	108.72	122.93
1	3A	47	VAL	O-C-N	-13.41	108.72	122.93
1	3I	47	VAL	O-C-N	-13.41	108.72	122.93
1	32	47	VAL	O-C-N	-13.41	108.72	122.93
1	4E	47	VAL	O-C-N	-13.41	108.72	122.93
1	4Y	47	VAL	O-C-N	-13.41	108.72	122.93
1	5U	47	VAL	O-C-N	-13.41	108.72	122.93
1	6M	47	VAL	O-C-N	-13.41	108.72	122.93
1	6U	47	VAL	O-C-N	-13.41	108.72	122.93
1	7E	47	VAL	O-C-N	-13.41	108.72	122.93
1	7Q	47	VAL	O-C-N	-13.41	108.72	122.93
2	1R	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	1V	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	1Z	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	2R	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	2V	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	2Z	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	43	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	47	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	5B	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	53	22	GLN	N-CA-CB	-13.41	90.82	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	6B	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	1B	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	1J	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	2F	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	27	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	3F	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	4B	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	4N	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	4V	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	5R	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	6J	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	6R	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	7N	22	GLN	N-CA-CB	-13.41	90.82	110.53
2	13	22	GLN	N-CA-CB	-13.40	90.82	110.53
2	17	22	GLN	N-CA-CB	-13.40	90.82	110.53
2	2B	22	GLN	N-CA-CB	-13.40	90.82	110.53
2	3R	22	GLN	N-CA-CB	-13.40	90.82	110.53
2	3V	22	GLN	N-CA-CB	-13.40	90.82	110.53
2	3Z	22	GLN	N-CA-CB	-13.40	90.82	110.53
2	5F	22	GLN	N-CA-CB	-13.40	90.82	110.53
2	5J	22	GLN	N-CA-CB	-13.40	90.82	110.53
2	5N	22	GLN	N-CA-CB	-13.40	90.82	110.53
2	63	22	GLN	N-CA-CB	-13.40	90.82	110.53
2	67	22	GLN	N-CA-CB	-13.40	90.82	110.53
2	7B	22	GLN	N-CA-CB	-13.40	90.82	110.53
2	1F	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	2N	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	23	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	3N	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	37	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	4J	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	4R	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	5Z	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	6F	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	6Z	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	7J	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	7V	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	1N	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	2J	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	3B	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	3J	22	GLN	N-CA-CB	-13.40	90.83	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	4F	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	4Z	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	5V	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	6N	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	6V	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	7F	22	GLN	N-CA-CB	-13.40	90.83	110.53
2	7R	22	GLN	N-CA-CB	-13.40	90.83	110.53
1	1M	156	SER	CA-C-N	-13.40	101.68	120.71
1	1M	156	SER	C-N-CA	-13.40	101.68	120.71
1	2I	156	SER	CA-C-N	-13.40	101.68	120.71
1	2I	156	SER	C-N-CA	-13.40	101.68	120.71
1	3A	156	SER	CA-C-N	-13.40	101.68	120.71
1	3A	156	SER	C-N-CA	-13.40	101.68	120.71
1	3I	156	SER	CA-C-N	-13.40	101.68	120.71
1	3I	156	SER	C-N-CA	-13.40	101.68	120.71
1	32	156	SER	CA-C-N	-13.40	101.68	120.71
1	32	156	SER	C-N-CA	-13.40	101.68	120.71
1	4E	156	SER	CA-C-N	-13.40	101.68	120.71
1	4E	156	SER	C-N-CA	-13.40	101.68	120.71
1	4Y	156	SER	CA-C-N	-13.40	101.68	120.71
1	4Y	156	SER	C-N-CA	-13.40	101.68	120.71
1	5U	156	SER	CA-C-N	-13.40	101.68	120.71
1	5U	156	SER	C-N-CA	-13.40	101.68	120.71
1	6M	156	SER	CA-C-N	-13.40	101.68	120.71
1	6M	156	SER	C-N-CA	-13.40	101.68	120.71
1	6U	156	SER	CA-C-N	-13.40	101.68	120.71
1	6U	156	SER	C-N-CA	-13.40	101.68	120.71
1	7E	156	SER	CA-C-N	-13.40	101.68	120.71
1	7E	156	SER	C-N-CA	-13.40	101.68	120.71
1	7Q	156	SER	CA-C-N	-13.40	101.68	120.71
1	7Q	156	SER	C-N-CA	-13.40	101.68	120.71
1	1M	51	LEU	CA-C-O	13.40	136.61	121.87
1	2I	51	LEU	CA-C-O	13.40	136.61	121.87
1	3A	51	LEU	CA-C-O	13.40	136.61	121.87
1	3I	51	LEU	CA-C-O	13.40	136.61	121.87
1	32	51	LEU	CA-C-O	13.40	136.61	121.87
1	4E	51	LEU	CA-C-O	13.40	136.61	121.87
1	4Y	51	LEU	CA-C-O	13.40	136.61	121.87
1	5U	51	LEU	CA-C-O	13.40	136.61	121.87
1	6M	51	LEU	CA-C-O	13.40	136.61	121.87
1	6U	51	LEU	CA-C-O	13.40	136.61	121.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	51	LEU	CA-C-O	13.40	136.61	121.87
1	7Q	51	LEU	CA-C-O	13.40	136.61	121.87
1	1Q	156	SER	CA-C-N	-13.39	101.69	120.71
1	1Q	156	SER	C-N-CA	-13.39	101.69	120.71
1	1U	156	SER	CA-C-N	-13.39	101.69	120.71
1	1U	156	SER	C-N-CA	-13.39	101.69	120.71
1	1Y	156	SER	CA-C-N	-13.39	101.69	120.71
1	1Y	156	SER	C-N-CA	-13.39	101.69	120.71
1	2Q	156	SER	CA-C-N	-13.39	101.69	120.71
1	2Q	156	SER	C-N-CA	-13.39	101.69	120.71
1	2U	156	SER	CA-C-N	-13.39	101.69	120.71
1	2U	156	SER	C-N-CA	-13.39	101.69	120.71
1	2Y	156	SER	CA-C-N	-13.39	101.69	120.71
1	2Y	156	SER	C-N-CA	-13.39	101.69	120.71
1	42	156	SER	CA-C-N	-13.39	101.69	120.71
1	42	156	SER	C-N-CA	-13.39	101.69	120.71
1	46	156	SER	CA-C-N	-13.39	101.69	120.71
1	46	156	SER	C-N-CA	-13.39	101.69	120.71
1	5A	156	SER	CA-C-N	-13.39	101.69	120.71
1	5A	156	SER	C-N-CA	-13.39	101.69	120.71
1	52	156	SER	CA-C-N	-13.39	101.69	120.71
1	52	156	SER	C-N-CA	-13.39	101.69	120.71
1	56	156	SER	CA-C-N	-13.39	101.69	120.71
1	56	156	SER	C-N-CA	-13.39	101.69	120.71
1	6A	156	SER	CA-C-N	-13.39	101.69	120.71
1	6A	156	SER	C-N-CA	-13.39	101.69	120.71
1	1E	15	SER	O-C-N	-13.38	103.49	122.76
1	2M	15	SER	O-C-N	-13.38	103.49	122.76
1	22	15	SER	O-C-N	-13.38	103.49	122.76
1	3M	15	SER	O-C-N	-13.38	103.49	122.76
1	36	15	SER	O-C-N	-13.38	103.49	122.76
1	4I	15	SER	O-C-N	-13.38	103.49	122.76
1	4Q	15	SER	O-C-N	-13.38	103.49	122.76
1	5Y	15	SER	O-C-N	-13.38	103.49	122.76
1	6E	15	SER	O-C-N	-13.38	103.49	122.76
1	6Y	15	SER	O-C-N	-13.38	103.49	122.76
1	7I	15	SER	O-C-N	-13.38	103.49	122.76
1	7U	15	SER	O-C-N	-13.38	103.49	122.76
1	1A	156	SER	CA-C-N	-13.37	101.72	120.71
1	1A	156	SER	C-N-CA	-13.37	101.72	120.71
1	1I	156	SER	CA-C-N	-13.37	101.72	120.71
1	1I	156	SER	C-N-CA	-13.37	101.72	120.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2E	156	SER	CA-C-N	-13.37	101.72	120.71
1	2E	156	SER	C-N-CA	-13.37	101.72	120.71
1	26	156	SER	CA-C-N	-13.37	101.72	120.71
1	26	156	SER	C-N-CA	-13.37	101.72	120.71
1	3E	156	SER	CA-C-N	-13.37	101.72	120.71
1	3E	156	SER	C-N-CA	-13.37	101.72	120.71
1	4A	156	SER	CA-C-N	-13.37	101.72	120.71
1	4A	156	SER	C-N-CA	-13.37	101.72	120.71
1	4M	156	SER	CA-C-N	-13.37	101.72	120.71
1	4M	156	SER	C-N-CA	-13.37	101.72	120.71
1	4U	156	SER	CA-C-N	-13.37	101.72	120.71
1	4U	156	SER	C-N-CA	-13.37	101.72	120.71
1	5Q	156	SER	CA-C-N	-13.37	101.72	120.71
1	5Q	156	SER	C-N-CA	-13.37	101.72	120.71
1	6I	156	SER	CA-C-N	-13.37	101.72	120.71
1	6I	156	SER	C-N-CA	-13.37	101.72	120.71
1	6Q	156	SER	CA-C-N	-13.37	101.72	120.71
1	6Q	156	SER	C-N-CA	-13.37	101.72	120.71
1	7M	156	SER	CA-C-N	-13.37	101.72	120.71
1	7M	156	SER	C-N-CA	-13.37	101.72	120.71
1	1E	51	LEU	CA-C-O	13.37	136.58	121.87
1	2M	51	LEU	CA-C-O	13.37	136.58	121.87
1	22	51	LEU	CA-C-O	13.37	136.58	121.87
1	3M	51	LEU	CA-C-O	13.37	136.58	121.87
1	36	51	LEU	CA-C-O	13.37	136.58	121.87
1	4I	51	LEU	CA-C-O	13.37	136.58	121.87
1	4Q	51	LEU	CA-C-O	13.37	136.58	121.87
1	5Y	51	LEU	CA-C-O	13.37	136.58	121.87
1	6E	51	LEU	CA-C-O	13.37	136.58	121.87
1	6Y	51	LEU	CA-C-O	13.37	136.58	121.87
1	7I	51	LEU	CA-C-O	13.37	136.58	121.87
1	7U	51	LEU	CA-C-O	13.37	136.58	121.87
1	1E	22	HIS	CB-CA-C	-13.37	83.34	109.95
1	2M	22	HIS	CB-CA-C	-13.37	83.34	109.95
1	22	22	HIS	CB-CA-C	-13.37	83.34	109.95
1	3M	22	HIS	CB-CA-C	-13.37	83.34	109.95
1	36	22	HIS	CB-CA-C	-13.37	83.34	109.95
1	4I	22	HIS	CB-CA-C	-13.37	83.34	109.95
1	4Q	22	HIS	CB-CA-C	-13.37	83.34	109.95
1	5Y	22	HIS	CB-CA-C	-13.37	83.34	109.95
1	6E	22	HIS	CB-CA-C	-13.37	83.34	109.95
1	6Y	22	HIS	CB-CA-C	-13.37	83.34	109.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	22	HIS	CB-CA-C	-13.37	83.34	109.95
1	7U	22	HIS	CB-CA-C	-13.37	83.34	109.95
1	1Q	22	HIS	CB-CA-C	-13.36	83.36	109.95
2	1R	42	HIS	O-C-N	13.36	137.88	122.11
1	1U	22	HIS	CB-CA-C	-13.36	83.36	109.95
2	1V	42	HIS	O-C-N	13.36	137.88	122.11
1	1Y	22	HIS	CB-CA-C	-13.36	83.36	109.95
2	1Z	42	HIS	O-C-N	13.36	137.88	122.11
1	2Q	22	HIS	CB-CA-C	-13.36	83.36	109.95
2	2R	42	HIS	O-C-N	13.36	137.88	122.11
1	2U	22	HIS	CB-CA-C	-13.36	83.36	109.95
2	2V	42	HIS	O-C-N	13.36	137.88	122.11
1	2Y	22	HIS	CB-CA-C	-13.36	83.36	109.95
2	2Z	42	HIS	O-C-N	13.36	137.88	122.11
1	42	22	HIS	CB-CA-C	-13.36	83.36	109.95
2	43	42	HIS	O-C-N	13.36	137.88	122.11
1	46	22	HIS	CB-CA-C	-13.36	83.36	109.95
2	47	42	HIS	O-C-N	13.36	137.88	122.11
1	5A	22	HIS	CB-CA-C	-13.36	83.36	109.95
2	5B	42	HIS	O-C-N	13.36	137.88	122.11
1	52	22	HIS	CB-CA-C	-13.36	83.36	109.95
2	53	42	HIS	O-C-N	13.36	137.88	122.11
1	56	22	HIS	CB-CA-C	-13.36	83.36	109.95
2	57	42	HIS	O-C-N	13.36	137.88	122.11
1	6A	22	HIS	CB-CA-C	-13.36	83.36	109.95
2	6B	42	HIS	O-C-N	13.36	137.88	122.11
1	1A	22	HIS	CB-CA-C	-13.36	83.36	109.95
1	1I	22	HIS	CB-CA-C	-13.36	83.36	109.95
1	12	156	SER	CA-C-N	-13.36	101.73	120.71
1	12	156	SER	C-N-CA	-13.36	101.73	120.71
1	16	156	SER	CA-C-N	-13.36	101.73	120.71
1	16	156	SER	C-N-CA	-13.36	101.73	120.71
1	2A	156	SER	CA-C-N	-13.36	101.73	120.71
1	2A	156	SER	C-N-CA	-13.36	101.73	120.71
1	2E	22	HIS	CB-CA-C	-13.36	83.36	109.95
1	26	22	HIS	CB-CA-C	-13.36	83.36	109.95
1	3E	22	HIS	CB-CA-C	-13.36	83.36	109.95
1	3Q	156	SER	CA-C-N	-13.36	101.73	120.71
1	3Q	156	SER	C-N-CA	-13.36	101.73	120.71
1	3U	156	SER	CA-C-N	-13.36	101.73	120.71
1	3U	156	SER	C-N-CA	-13.36	101.73	120.71
1	3Y	156	SER	CA-C-N	-13.36	101.73	120.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Y	156	SER	C-N-CA	-13.36	101.73	120.71
1	4A	22	HIS	CB-CA-C	-13.36	83.36	109.95
1	4M	22	HIS	CB-CA-C	-13.36	83.36	109.95
1	4U	22	HIS	CB-CA-C	-13.36	83.36	109.95
1	5E	156	SER	CA-C-N	-13.36	101.73	120.71
1	5E	156	SER	C-N-CA	-13.36	101.73	120.71
1	5I	156	SER	CA-C-N	-13.36	101.73	120.71
1	5I	156	SER	C-N-CA	-13.36	101.73	120.71
1	5M	156	SER	CA-C-N	-13.36	101.73	120.71
1	5M	156	SER	C-N-CA	-13.36	101.73	120.71
1	5Q	22	HIS	CB-CA-C	-13.36	83.36	109.95
1	6I	22	HIS	CB-CA-C	-13.36	83.36	109.95
1	6Q	22	HIS	CB-CA-C	-13.36	83.36	109.95
1	62	156	SER	CA-C-N	-13.36	101.73	120.71
1	62	156	SER	C-N-CA	-13.36	101.73	120.71
1	66	156	SER	CA-C-N	-13.36	101.73	120.71
1	66	156	SER	C-N-CA	-13.36	101.73	120.71
1	7A	156	SER	CA-C-N	-13.36	101.73	120.71
1	7A	156	SER	C-N-CA	-13.36	101.73	120.71
1	7M	22	HIS	CB-CA-C	-13.36	83.36	109.95
1	1E	156	SER	CA-C-N	-13.36	101.74	120.71
1	1E	156	SER	C-N-CA	-13.36	101.74	120.71
1	2M	156	SER	CA-C-N	-13.36	101.74	120.71
1	2M	156	SER	C-N-CA	-13.36	101.74	120.71
1	22	156	SER	CA-C-N	-13.36	101.74	120.71
1	22	156	SER	C-N-CA	-13.36	101.74	120.71
1	3M	156	SER	CA-C-N	-13.36	101.74	120.71
1	3M	156	SER	C-N-CA	-13.36	101.74	120.71
1	36	156	SER	CA-C-N	-13.36	101.74	120.71
1	36	156	SER	C-N-CA	-13.36	101.74	120.71
1	4I	156	SER	CA-C-N	-13.36	101.74	120.71
1	4I	156	SER	C-N-CA	-13.36	101.74	120.71
1	4Q	156	SER	CA-C-N	-13.36	101.74	120.71
1	4Q	156	SER	C-N-CA	-13.36	101.74	120.71
1	5Y	156	SER	CA-C-N	-13.36	101.74	120.71
1	5Y	156	SER	C-N-CA	-13.36	101.74	120.71
1	6E	156	SER	CA-C-N	-13.36	101.74	120.71
1	6E	156	SER	C-N-CA	-13.36	101.74	120.71
1	6Y	156	SER	CA-C-N	-13.36	101.74	120.71
1	6Y	156	SER	C-N-CA	-13.36	101.74	120.71
1	7I	156	SER	CA-C-N	-13.36	101.74	120.71
1	7I	156	SER	C-N-CA	-13.36	101.74	120.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	156	SER	CA-C-N	-13.36	101.74	120.71
1	7U	156	SER	C-N-CA	-13.36	101.74	120.71
1	1A	15	SER	O-C-N	-13.36	103.52	122.76
1	1I	15	SER	O-C-N	-13.36	103.52	122.76
1	1Q	15	SER	O-C-N	-13.36	103.53	122.76
1	1U	15	SER	O-C-N	-13.36	103.53	122.76
1	1Y	15	SER	O-C-N	-13.36	103.53	122.76
1	12	22	HIS	CB-CA-C	-13.36	83.37	109.95
1	16	22	HIS	CB-CA-C	-13.36	83.37	109.95
1	2A	22	HIS	CB-CA-C	-13.36	83.37	109.95
1	2E	15	SER	O-C-N	-13.36	103.52	122.76
1	2Q	15	SER	O-C-N	-13.36	103.53	122.76
1	2U	15	SER	O-C-N	-13.36	103.53	122.76
1	2Y	15	SER	O-C-N	-13.36	103.53	122.76
1	26	15	SER	O-C-N	-13.36	103.52	122.76
1	3E	15	SER	O-C-N	-13.36	103.52	122.76
1	3Q	22	HIS	CB-CA-C	-13.36	83.37	109.95
1	3U	22	HIS	CB-CA-C	-13.36	83.37	109.95
1	3Y	22	HIS	CB-CA-C	-13.36	83.37	109.95
1	4A	15	SER	O-C-N	-13.36	103.52	122.76
1	4M	15	SER	O-C-N	-13.36	103.52	122.76
1	4U	15	SER	O-C-N	-13.36	103.52	122.76
1	42	15	SER	O-C-N	-13.36	103.53	122.76
1	46	15	SER	O-C-N	-13.36	103.53	122.76
1	5A	15	SER	O-C-N	-13.36	103.53	122.76
1	5E	22	HIS	CB-CA-C	-13.36	83.37	109.95
1	5I	22	HIS	CB-CA-C	-13.36	83.37	109.95
1	5M	22	HIS	CB-CA-C	-13.36	83.37	109.95
1	5Q	15	SER	O-C-N	-13.36	103.52	122.76
1	52	15	SER	O-C-N	-13.36	103.53	122.76
1	56	15	SER	O-C-N	-13.36	103.53	122.76
1	6A	15	SER	O-C-N	-13.36	103.53	122.76
1	6I	15	SER	O-C-N	-13.36	103.52	122.76
1	6Q	15	SER	O-C-N	-13.36	103.52	122.76
1	62	22	HIS	CB-CA-C	-13.36	83.37	109.95
1	66	22	HIS	CB-CA-C	-13.36	83.37	109.95
1	7A	22	HIS	CB-CA-C	-13.36	83.37	109.95
1	7M	15	SER	O-C-N	-13.36	103.52	122.76
1	12	15	SER	O-C-N	-13.36	103.53	122.76
2	13	42	HIS	O-C-N	13.36	137.87	122.11
1	16	15	SER	O-C-N	-13.36	103.53	122.76
2	17	42	HIS	O-C-N	13.36	137.87	122.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	15	SER	O-C-N	-13.36	103.53	122.76
2	2B	42	HIS	O-C-N	13.36	137.87	122.11
1	3Q	15	SER	O-C-N	-13.36	103.53	122.76
2	3R	42	HIS	O-C-N	13.36	137.87	122.11
1	3U	15	SER	O-C-N	-13.36	103.53	122.76
2	3V	42	HIS	O-C-N	13.36	137.87	122.11
1	3Y	15	SER	O-C-N	-13.36	103.53	122.76
2	3Z	42	HIS	O-C-N	13.36	137.87	122.11
1	5E	15	SER	O-C-N	-13.36	103.53	122.76
2	5F	42	HIS	O-C-N	13.36	137.87	122.11
1	5I	15	SER	O-C-N	-13.36	103.53	122.76
2	5J	42	HIS	O-C-N	13.36	137.87	122.11
1	5M	15	SER	O-C-N	-13.36	103.53	122.76
2	5N	42	HIS	O-C-N	13.36	137.87	122.11
1	62	15	SER	O-C-N	-13.36	103.53	122.76
2	63	42	HIS	O-C-N	13.36	137.87	122.11
1	66	15	SER	O-C-N	-13.36	103.53	122.76
2	67	42	HIS	O-C-N	13.36	137.87	122.11
1	7A	15	SER	O-C-N	-13.36	103.53	122.76
2	7B	42	HIS	O-C-N	13.36	137.87	122.11
2	1B	42	HIS	O-C-N	13.35	137.87	122.11
2	1J	42	HIS	O-C-N	13.35	137.87	122.11
2	2F	42	HIS	O-C-N	13.35	137.87	122.11
2	27	42	HIS	O-C-N	13.35	137.87	122.11
2	3F	42	HIS	O-C-N	13.35	137.87	122.11
2	4B	42	HIS	O-C-N	13.35	137.87	122.11
2	4N	42	HIS	O-C-N	13.35	137.87	122.11
2	4V	42	HIS	O-C-N	13.35	137.87	122.11
2	5R	42	HIS	O-C-N	13.35	137.87	122.11
2	6J	42	HIS	O-C-N	13.35	137.87	122.11
2	6R	42	HIS	O-C-N	13.35	137.87	122.11
2	7N	42	HIS	O-C-N	13.35	137.87	122.11
1	1M	22	HIS	CB-CA-C	-13.35	83.38	109.95
1	2I	22	HIS	CB-CA-C	-13.35	83.38	109.95
1	3A	22	HIS	CB-CA-C	-13.35	83.38	109.95
1	3I	22	HIS	CB-CA-C	-13.35	83.38	109.95
1	32	22	HIS	CB-CA-C	-13.35	83.38	109.95
1	4E	22	HIS	CB-CA-C	-13.35	83.38	109.95
1	4Y	22	HIS	CB-CA-C	-13.35	83.38	109.95
1	5U	22	HIS	CB-CA-C	-13.35	83.38	109.95
1	6M	22	HIS	CB-CA-C	-13.35	83.38	109.95
1	6U	22	HIS	CB-CA-C	-13.35	83.38	109.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	22	HIS	CB-CA-C	-13.35	83.38	109.95
1	7Q	22	HIS	CB-CA-C	-13.35	83.38	109.95
1	1A	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	1I	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	2E	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	26	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	3E	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	4A	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	4M	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	4U	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	5Q	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	6I	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	6Q	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	7M	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	1M	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	2I	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	3A	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	3I	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	32	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	4E	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	4Y	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	5U	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	6M	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	6U	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	7E	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	7Q	85	LEU	CB-CA-C	-13.35	83.08	111.11
1	12	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	16	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	2A	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	3Q	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	3U	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	3Y	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	5E	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	5I	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	5M	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	62	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	66	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	7A	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	1E	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	1M	15	SER	O-C-N	-13.34	103.55	122.76
1	2I	15	SER	O-C-N	-13.34	103.55	122.76
1	2M	85	LEU	CB-CA-C	-13.34	83.09	111.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	3A	15	SER	O-C-N	-13.34	103.55	122.76
1	3I	15	SER	O-C-N	-13.34	103.55	122.76
1	3M	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	32	15	SER	O-C-N	-13.34	103.55	122.76
1	36	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	4E	15	SER	O-C-N	-13.34	103.55	122.76
1	4I	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	4Q	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	4Y	15	SER	O-C-N	-13.34	103.55	122.76
1	5U	15	SER	O-C-N	-13.34	103.55	122.76
1	5Y	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	6E	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	6M	15	SER	O-C-N	-13.34	103.55	122.76
1	6U	15	SER	O-C-N	-13.34	103.55	122.76
1	6Y	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	7E	15	SER	O-C-N	-13.34	103.55	122.76
1	7I	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	7Q	15	SER	O-C-N	-13.34	103.55	122.76
1	7U	85	LEU	CB-CA-C	-13.34	83.09	111.11
1	1Q	85	LEU	CB-CA-C	-13.34	83.10	111.11
1	1U	85	LEU	CB-CA-C	-13.34	83.10	111.11
1	1Y	85	LEU	CB-CA-C	-13.34	83.10	111.11
1	2Q	85	LEU	CB-CA-C	-13.34	83.10	111.11
1	2U	85	LEU	CB-CA-C	-13.34	83.10	111.11
1	2Y	85	LEU	CB-CA-C	-13.34	83.10	111.11
1	42	85	LEU	CB-CA-C	-13.34	83.10	111.11
1	46	85	LEU	CB-CA-C	-13.34	83.10	111.11
1	5A	85	LEU	CB-CA-C	-13.34	83.10	111.11
1	52	85	LEU	CB-CA-C	-13.34	83.10	111.11
1	56	85	LEU	CB-CA-C	-13.34	83.10	111.11
1	6A	85	LEU	CB-CA-C	-13.34	83.10	111.11
2	13	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	17	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	2B	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	3R	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	3V	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	3Z	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	5F	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	5J	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	5N	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	63	58	LEU	CB-CA-C	-13.32	83.91	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	7B	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	1N	58	LEU	CB-CA-C	-13.32	83.92	110.42
2	1R	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	1V	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	1Z	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	2J	58	LEU	CB-CA-C	-13.32	83.92	110.42
2	2R	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	2V	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	2Z	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	3B	58	LEU	CB-CA-C	-13.32	83.92	110.42
2	3J	58	LEU	CB-CA-C	-13.32	83.92	110.42
2	33	58	LEU	CB-CA-C	-13.32	83.92	110.42
2	4F	58	LEU	CB-CA-C	-13.32	83.92	110.42
2	4Z	58	LEU	CB-CA-C	-13.32	83.92	110.42
2	43	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	47	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	5B	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	5V	58	LEU	CB-CA-C	-13.32	83.92	110.42
2	53	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	57	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	6B	58	LEU	CB-CA-C	-13.32	83.91	110.42
2	6N	58	LEU	CB-CA-C	-13.32	83.92	110.42
2	6V	58	LEU	CB-CA-C	-13.32	83.92	110.42
2	7F	58	LEU	CB-CA-C	-13.32	83.92	110.42
2	7R	58	LEU	CB-CA-C	-13.32	83.92	110.42
2	1B	58	LEU	CB-CA-C	-13.31	83.92	110.42
2	1J	58	LEU	CB-CA-C	-13.31	83.92	110.42
2	2F	58	LEU	CB-CA-C	-13.31	83.92	110.42
2	27	58	LEU	CB-CA-C	-13.31	83.92	110.42
2	3F	58	LEU	CB-CA-C	-13.31	83.92	110.42
2	4B	58	LEU	CB-CA-C	-13.31	83.92	110.42
2	4N	58	LEU	CB-CA-C	-13.31	83.92	110.42
2	4V	58	LEU	CB-CA-C	-13.31	83.92	110.42
2	5R	58	LEU	CB-CA-C	-13.31	83.92	110.42
2	6J	58	LEU	CB-CA-C	-13.31	83.92	110.42
2	6R	58	LEU	CB-CA-C	-13.31	83.92	110.42
2	7N	58	LEU	CB-CA-C	-13.31	83.92	110.42
1	1M	48	TYR	CG-CD2-CE2	-13.31	101.23	121.20
1	2I	48	TYR	CG-CD2-CE2	-13.31	101.23	121.20
1	3A	48	TYR	CG-CD2-CE2	-13.31	101.23	121.20
1	3I	48	TYR	CG-CD2-CE2	-13.31	101.23	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	48	TYR	CG-CD2-CE2	-13.31	101.23	121.20
1	4E	48	TYR	CG-CD2-CE2	-13.31	101.23	121.20
1	4Y	48	TYR	CG-CD2-CE2	-13.31	101.23	121.20
1	5U	48	TYR	CG-CD2-CE2	-13.31	101.23	121.20
1	6M	48	TYR	CG-CD2-CE2	-13.31	101.23	121.20
1	6U	48	TYR	CG-CD2-CE2	-13.31	101.23	121.20
1	7E	48	TYR	CG-CD2-CE2	-13.31	101.23	121.20
1	7Q	48	TYR	CG-CD2-CE2	-13.31	101.23	121.20
2	1F	42	HIS	O-C-N	13.31	137.81	122.11
2	2N	42	HIS	O-C-N	13.31	137.81	122.11
2	33	42	HIS	O-C-N	13.31	137.81	122.11
2	37	42	HIS	O-C-N	13.31	137.81	122.11
2	4F	42	HIS	O-C-N	13.31	137.81	122.11
2	4J	42	HIS	O-C-N	13.31	137.81	122.11
2	7F	42	HIS	O-C-N	13.31	137.81	122.11
2	7J	42	HIS	O-C-N	13.31	137.81	122.11
2	7R	42	HIS	O-C-N	13.31	137.81	122.11
2	7V	42	HIS	O-C-N	13.31	137.81	122.11
1	1E	48	TYR	CG-CD2-CE2	-13.31	101.24	121.20
2	1F	58	LEU	CB-CA-C	-13.31	83.94	110.42
2	1N	42	HIS	O-C-N	13.31	137.81	122.11
2	2J	42	HIS	O-C-N	13.31	137.81	122.11
1	2M	48	TYR	CG-CD2-CE2	-13.31	101.24	121.20
2	2N	58	LEU	CB-CA-C	-13.31	83.94	110.42
2	23	42	HIS	O-C-N	13.31	137.81	122.11
2	3N	42	HIS	O-C-N	13.31	137.81	122.11
1	22	48	TYR	CG-CD2-CE2	-13.31	101.24	121.20
2	23	58	LEU	CB-CA-C	-13.31	83.94	110.42
2	3B	42	HIS	O-C-N	13.31	137.81	122.11
2	3J	42	HIS	O-C-N	13.31	137.81	122.11
1	3M	48	TYR	CG-CD2-CE2	-13.31	101.24	121.20
2	3N	58	LEU	CB-CA-C	-13.31	83.94	110.42
1	36	48	TYR	CG-CD2-CE2	-13.31	101.24	121.20
2	37	58	LEU	CB-CA-C	-13.31	83.94	110.42
1	4I	48	TYR	CG-CD2-CE2	-13.31	101.24	121.20
2	4J	58	LEU	CB-CA-C	-13.31	83.94	110.42
2	4R	42	HIS	O-C-N	13.31	137.81	122.11
2	5Z	42	HIS	O-C-N	13.31	137.81	122.11
1	4Q	48	TYR	CG-CD2-CE2	-13.31	101.24	121.20
2	4R	58	LEU	CB-CA-C	-13.31	83.94	110.42
2	4Z	42	HIS	O-C-N	13.31	137.81	122.11
2	5V	42	HIS	O-C-N	13.31	137.81	122.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	48	TYR	CG-CD2-CE2	-13.31	101.24	121.20
2	5Z	58	LEU	CB-CA-C	-13.31	83.94	110.42
2	6F	42	HIS	O-C-N	13.31	137.81	122.11
2	6Z	42	HIS	O-C-N	13.31	137.81	122.11
1	6E	48	TYR	CG-CD2-CE2	-13.31	101.24	121.20
2	6F	58	LEU	CB-CA-C	-13.31	83.94	110.42
2	6N	42	HIS	O-C-N	13.31	137.81	122.11
2	6V	42	HIS	O-C-N	13.31	137.81	122.11
1	6Y	48	TYR	CG-CD2-CE2	-13.31	101.24	121.20
2	6Z	58	LEU	CB-CA-C	-13.31	83.94	110.42
1	7I	48	TYR	CG-CD2-CE2	-13.31	101.24	121.20
2	7J	58	LEU	CB-CA-C	-13.31	83.94	110.42
1	7U	48	TYR	CG-CD2-CE2	-13.31	101.24	121.20
2	7V	58	LEU	CB-CA-C	-13.31	83.94	110.42
1	12	48	TYR	CG-CD2-CE2	-13.30	101.25	121.20
1	16	48	TYR	CG-CD2-CE2	-13.30	101.25	121.20
1	2A	48	TYR	CG-CD2-CE2	-13.30	101.25	121.20
1	3Q	48	TYR	CG-CD2-CE2	-13.30	101.25	121.20
1	3U	48	TYR	CG-CD2-CE2	-13.30	101.25	121.20
1	3Y	48	TYR	CG-CD2-CE2	-13.30	101.25	121.20
1	5E	48	TYR	CG-CD2-CE2	-13.30	101.25	121.20
1	5I	48	TYR	CG-CD2-CE2	-13.30	101.25	121.20
1	5M	48	TYR	CG-CD2-CE2	-13.30	101.25	121.20
1	62	48	TYR	CG-CD2-CE2	-13.30	101.25	121.20
1	66	48	TYR	CG-CD2-CE2	-13.30	101.25	121.20
1	7A	48	TYR	CG-CD2-CE2	-13.30	101.25	121.20
1	1A	48	TYR	CG-CD2-CE2	-13.30	101.26	121.20
1	1I	48	TYR	CG-CD2-CE2	-13.30	101.26	121.20
1	2E	48	TYR	CG-CD2-CE2	-13.30	101.26	121.20
1	26	48	TYR	CG-CD2-CE2	-13.30	101.26	121.20
1	3E	48	TYR	CG-CD2-CE2	-13.30	101.26	121.20
1	4A	48	TYR	CG-CD2-CE2	-13.30	101.26	121.20
1	4M	48	TYR	CG-CD2-CE2	-13.30	101.26	121.20
1	4U	48	TYR	CG-CD2-CE2	-13.30	101.26	121.20
1	5Q	48	TYR	CG-CD2-CE2	-13.30	101.26	121.20
1	6I	48	TYR	CG-CD2-CE2	-13.30	101.26	121.20
1	6Q	48	TYR	CG-CD2-CE2	-13.30	101.26	121.20
1	7M	48	TYR	CG-CD2-CE2	-13.30	101.26	121.20
2	13	1	ALA	N-CA-CB	13.29	130.34	110.40
2	17	1	ALA	N-CA-CB	13.29	130.34	110.40
2	2B	1	ALA	N-CA-CB	13.29	130.34	110.40
2	3R	1	ALA	N-CA-CB	13.29	130.34	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	1	ALA	N-CA-CB	13.29	130.34	110.40
2	3Z	1	ALA	N-CA-CB	13.29	130.34	110.40
2	5F	1	ALA	N-CA-CB	13.29	130.34	110.40
2	5J	1	ALA	N-CA-CB	13.29	130.34	110.40
2	5N	1	ALA	N-CA-CB	13.29	130.34	110.40
2	63	1	ALA	N-CA-CB	13.29	130.34	110.40
2	67	1	ALA	N-CA-CB	13.29	130.34	110.40
2	7B	1	ALA	N-CA-CB	13.29	130.34	110.40
1	1Q	48	TYR	CG-CD2-CE2	-13.29	101.27	121.20
1	1U	48	TYR	CG-CD2-CE2	-13.29	101.27	121.20
1	1Y	48	TYR	CG-CD2-CE2	-13.29	101.27	121.20
1	2Q	48	TYR	CG-CD2-CE2	-13.29	101.27	121.20
1	2U	48	TYR	CG-CD2-CE2	-13.29	101.27	121.20
1	2Y	48	TYR	CG-CD2-CE2	-13.29	101.27	121.20
1	42	48	TYR	CG-CD2-CE2	-13.29	101.27	121.20
1	46	48	TYR	CG-CD2-CE2	-13.29	101.27	121.20
1	5A	48	TYR	CG-CD2-CE2	-13.29	101.27	121.20
1	52	48	TYR	CG-CD2-CE2	-13.29	101.27	121.20
1	56	48	TYR	CG-CD2-CE2	-13.29	101.27	121.20
1	6A	48	TYR	CG-CD2-CE2	-13.29	101.27	121.20
2	1B	215	GLN	CG-CD-OE1	-13.29	94.23	120.80
2	1J	215	GLN	CG-CD-OE1	-13.29	94.23	120.80
2	2F	215	GLN	CG-CD-OE1	-13.29	94.23	120.80
2	27	215	GLN	CG-CD-OE1	-13.29	94.23	120.80
2	3F	215	GLN	CG-CD-OE1	-13.29	94.23	120.80
2	4B	215	GLN	CG-CD-OE1	-13.29	94.23	120.80
2	4N	215	GLN	CG-CD-OE1	-13.29	94.23	120.80
2	4V	215	GLN	CG-CD-OE1	-13.29	94.23	120.80
2	5R	215	GLN	CG-CD-OE1	-13.29	94.23	120.80
2	6J	215	GLN	CG-CD-OE1	-13.29	94.23	120.80
2	6R	215	GLN	CG-CD-OE1	-13.29	94.23	120.80
2	7N	215	GLN	CG-CD-OE1	-13.29	94.23	120.80
2	1N	215	GLN	CG-CD-OE1	-13.28	94.24	120.80
2	2J	215	GLN	CG-CD-OE1	-13.28	94.24	120.80
2	3B	215	GLN	CG-CD-OE1	-13.28	94.24	120.80
2	3J	215	GLN	CG-CD-OE1	-13.28	94.24	120.80
2	33	215	GLN	CG-CD-OE1	-13.28	94.24	120.80
2	4F	215	GLN	CG-CD-OE1	-13.28	94.24	120.80
2	4Z	215	GLN	CG-CD-OE1	-13.28	94.24	120.80
2	5V	215	GLN	CG-CD-OE1	-13.28	94.24	120.80
2	6N	215	GLN	CG-CD-OE1	-13.28	94.24	120.80
2	6V	215	GLN	CG-CD-OE1	-13.28	94.24	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	215	GLN	CG-CD-OE1	-13.28	94.24	120.80
2	7R	215	GLN	CG-CD-OE1	-13.28	94.24	120.80
2	1F	1	ALA	N-CA-CB	13.28	130.32	110.40
2	2N	1	ALA	N-CA-CB	13.28	130.32	110.40
2	23	1	ALA	N-CA-CB	13.28	130.32	110.40
2	3N	1	ALA	N-CA-CB	13.28	130.32	110.40
2	37	1	ALA	N-CA-CB	13.28	130.32	110.40
2	4J	1	ALA	N-CA-CB	13.28	130.32	110.40
2	4R	1	ALA	N-CA-CB	13.28	130.32	110.40
2	5Z	1	ALA	N-CA-CB	13.28	130.32	110.40
2	6F	1	ALA	N-CA-CB	13.28	130.32	110.40
2	6Z	1	ALA	N-CA-CB	13.28	130.32	110.40
2	7J	1	ALA	N-CA-CB	13.28	130.32	110.40
2	7V	1	ALA	N-CA-CB	13.28	130.32	110.40
2	1F	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	1N	1	ALA	N-CA-CB	13.27	130.31	110.40
2	2J	1	ALA	N-CA-CB	13.27	130.31	110.40
2	2N	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	23	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	3B	1	ALA	N-CA-CB	13.27	130.31	110.40
2	3J	1	ALA	N-CA-CB	13.27	130.31	110.40
2	3N	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	33	1	ALA	N-CA-CB	13.27	130.31	110.40
2	37	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	4F	1	ALA	N-CA-CB	13.27	130.31	110.40
2	4J	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	4R	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	4Z	1	ALA	N-CA-CB	13.27	130.31	110.40
2	5V	1	ALA	N-CA-CB	13.27	130.31	110.40
2	5Z	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	6F	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	6N	1	ALA	N-CA-CB	13.27	130.31	110.40
2	6V	1	ALA	N-CA-CB	13.27	130.31	110.40
2	6Z	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	7F	1	ALA	N-CA-CB	13.27	130.31	110.40
2	7J	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	7R	1	ALA	N-CA-CB	13.27	130.31	110.40
2	7V	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	13	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	17	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	2B	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	3R	215	GLN	CG-CD-OE1	-13.27	94.25	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	3Z	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	5F	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	5J	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	5N	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	63	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	67	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	7B	215	GLN	CG-CD-OE1	-13.27	94.25	120.80
2	1R	1	ALA	N-CA-CB	13.27	130.30	110.40
2	1V	1	ALA	N-CA-CB	13.27	130.30	110.40
2	1Z	1	ALA	N-CA-CB	13.27	130.30	110.40
2	2R	1	ALA	N-CA-CB	13.27	130.30	110.40
2	2V	1	ALA	N-CA-CB	13.27	130.30	110.40
2	2Z	1	ALA	N-CA-CB	13.27	130.30	110.40
2	43	1	ALA	N-CA-CB	13.27	130.30	110.40
2	47	1	ALA	N-CA-CB	13.27	130.30	110.40
2	5B	1	ALA	N-CA-CB	13.27	130.30	110.40
2	53	1	ALA	N-CA-CB	13.27	130.30	110.40
2	57	1	ALA	N-CA-CB	13.27	130.30	110.40
2	6B	1	ALA	N-CA-CB	13.27	130.30	110.40
2	1R	215	GLN	CG-CD-OE1	-13.27	94.27	120.80
2	1V	215	GLN	CG-CD-OE1	-13.27	94.27	120.80
2	1Z	215	GLN	CG-CD-OE1	-13.27	94.27	120.80
2	2R	215	GLN	CG-CD-OE1	-13.27	94.27	120.80
2	2V	215	GLN	CG-CD-OE1	-13.27	94.27	120.80
2	2Z	215	GLN	CG-CD-OE1	-13.27	94.27	120.80
2	43	215	GLN	CG-CD-OE1	-13.27	94.27	120.80
2	47	215	GLN	CG-CD-OE1	-13.27	94.27	120.80
2	5B	215	GLN	CG-CD-OE1	-13.27	94.27	120.80
2	53	215	GLN	CG-CD-OE1	-13.27	94.27	120.80
2	57	215	GLN	CG-CD-OE1	-13.27	94.27	120.80
2	6B	215	GLN	CG-CD-OE1	-13.27	94.27	120.80
2	1B	1	ALA	N-CA-CB	13.26	130.28	110.40
2	1J	1	ALA	N-CA-CB	13.26	130.28	110.40
2	2F	1	ALA	N-CA-CB	13.26	130.28	110.40
2	27	1	ALA	N-CA-CB	13.26	130.28	110.40
2	3F	1	ALA	N-CA-CB	13.26	130.28	110.40
2	4B	1	ALA	N-CA-CB	13.26	130.28	110.40
2	4N	1	ALA	N-CA-CB	13.26	130.28	110.40
2	4V	1	ALA	N-CA-CB	13.26	130.28	110.40
2	5R	1	ALA	N-CA-CB	13.26	130.28	110.40
2	6J	1	ALA	N-CA-CB	13.26	130.28	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	1	ALA	N-CA-CB	13.26	130.28	110.40
2	7N	1	ALA	N-CA-CB	13.26	130.28	110.40
2	1F	217	PRO	CB-CA-C	-13.25	92.34	111.68
2	2N	217	PRO	CB-CA-C	-13.25	92.34	111.68
2	23	217	PRO	CB-CA-C	-13.25	92.34	111.68
2	3N	217	PRO	CB-CA-C	-13.25	92.34	111.68
2	37	217	PRO	CB-CA-C	-13.25	92.34	111.68
2	4J	217	PRO	CB-CA-C	-13.25	92.34	111.68
2	4R	217	PRO	CB-CA-C	-13.25	92.34	111.68
2	5Z	217	PRO	CB-CA-C	-13.25	92.34	111.68
2	6F	217	PRO	CB-CA-C	-13.25	92.34	111.68
2	6Z	217	PRO	CB-CA-C	-13.25	92.34	111.68
2	7J	217	PRO	CB-CA-C	-13.25	92.34	111.68
2	7V	217	PRO	CB-CA-C	-13.25	92.34	111.68
2	1R	217	PRO	CB-CA-C	-13.24	92.35	111.68
2	1V	217	PRO	CB-CA-C	-13.24	92.35	111.68
2	1Z	217	PRO	CB-CA-C	-13.24	92.35	111.68
2	2R	217	PRO	CB-CA-C	-13.24	92.35	111.68
2	2V	217	PRO	CB-CA-C	-13.24	92.35	111.68
2	2Z	217	PRO	CB-CA-C	-13.24	92.35	111.68
2	43	217	PRO	CB-CA-C	-13.24	92.35	111.68
2	47	217	PRO	CB-CA-C	-13.24	92.35	111.68
2	5B	217	PRO	CB-CA-C	-13.24	92.35	111.68
2	53	217	PRO	CB-CA-C	-13.24	92.35	111.68
2	57	217	PRO	CB-CA-C	-13.24	92.35	111.68
2	6B	217	PRO	CB-CA-C	-13.24	92.35	111.68
2	1B	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	1J	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	1N	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	2F	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	2J	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	27	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	3B	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	3F	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	3J	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	33	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	4B	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	4F	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	4N	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	4V	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	4Z	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	5R	217	PRO	CB-CA-C	-13.23	92.36	111.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	6J	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	6N	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	6R	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	6V	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	7F	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	7N	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	7R	217	PRO	CB-CA-C	-13.23	92.36	111.68
2	1R	219	VAL	CA-C-N	-13.23	100.10	122.33
2	1R	219	VAL	C-N-CA	-13.23	100.10	122.33
2	1V	219	VAL	CA-C-N	-13.23	100.10	122.33
2	1V	219	VAL	C-N-CA	-13.23	100.10	122.33
2	1Z	219	VAL	CA-C-N	-13.23	100.10	122.33
2	1Z	219	VAL	C-N-CA	-13.23	100.10	122.33
2	2R	219	VAL	CA-C-N	-13.23	100.10	122.33
2	2R	219	VAL	C-N-CA	-13.23	100.10	122.33
2	2V	219	VAL	CA-C-N	-13.23	100.10	122.33
2	2V	219	VAL	C-N-CA	-13.23	100.10	122.33
2	2Z	219	VAL	CA-C-N	-13.23	100.10	122.33
2	2Z	219	VAL	C-N-CA	-13.23	100.10	122.33
2	43	219	VAL	CA-C-N	-13.23	100.10	122.33
2	43	219	VAL	C-N-CA	-13.23	100.10	122.33
2	47	219	VAL	CA-C-N	-13.23	100.10	122.33
2	47	219	VAL	C-N-CA	-13.23	100.10	122.33
2	5B	219	VAL	CA-C-N	-13.23	100.10	122.33
2	5B	219	VAL	C-N-CA	-13.23	100.10	122.33
2	53	219	VAL	CA-C-N	-13.23	100.10	122.33
2	53	219	VAL	C-N-CA	-13.23	100.10	122.33
2	57	219	VAL	CA-C-N	-13.23	100.10	122.33
2	57	219	VAL	C-N-CA	-13.23	100.10	122.33
2	6B	219	VAL	CA-C-N	-13.23	100.10	122.33
2	6B	219	VAL	C-N-CA	-13.23	100.10	122.33
2	1B	219	VAL	CA-C-N	-13.23	100.11	122.33
2	1B	219	VAL	C-N-CA	-13.23	100.11	122.33
2	1J	219	VAL	CA-C-N	-13.23	100.11	122.33
2	1J	219	VAL	C-N-CA	-13.23	100.11	122.33
2	2F	219	VAL	CA-C-N	-13.23	100.11	122.33
2	2F	219	VAL	C-N-CA	-13.23	100.11	122.33
2	27	219	VAL	CA-C-N	-13.23	100.11	122.33
2	27	219	VAL	C-N-CA	-13.23	100.11	122.33
2	3F	219	VAL	CA-C-N	-13.23	100.11	122.33
2	3F	219	VAL	C-N-CA	-13.23	100.11	122.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	219	VAL	CA-C-N	-13.23	100.11	122.33
2	4B	219	VAL	C-N-CA	-13.23	100.11	122.33
2	4N	219	VAL	CA-C-N	-13.23	100.11	122.33
2	4N	219	VAL	C-N-CA	-13.23	100.11	122.33
2	4V	219	VAL	CA-C-N	-13.23	100.11	122.33
2	4V	219	VAL	C-N-CA	-13.23	100.11	122.33
2	5R	219	VAL	CA-C-N	-13.23	100.11	122.33
2	5R	219	VAL	C-N-CA	-13.23	100.11	122.33
2	6J	219	VAL	CA-C-N	-13.23	100.11	122.33
2	6J	219	VAL	C-N-CA	-13.23	100.11	122.33
2	6R	219	VAL	CA-C-N	-13.23	100.11	122.33
2	6R	219	VAL	C-N-CA	-13.23	100.11	122.33
2	7N	219	VAL	CA-C-N	-13.23	100.11	122.33
2	7N	219	VAL	C-N-CA	-13.23	100.11	122.33
2	13	217	PRO	CB-CA-C	-13.22	92.38	111.68
2	17	217	PRO	CB-CA-C	-13.22	92.38	111.68
2	2B	217	PRO	CB-CA-C	-13.22	92.38	111.68
2	3R	217	PRO	CB-CA-C	-13.22	92.38	111.68
2	3V	217	PRO	CB-CA-C	-13.22	92.38	111.68
2	3Z	217	PRO	CB-CA-C	-13.22	92.38	111.68
2	5F	217	PRO	CB-CA-C	-13.22	92.38	111.68
2	5J	217	PRO	CB-CA-C	-13.22	92.38	111.68
2	5N	217	PRO	CB-CA-C	-13.22	92.38	111.68
2	63	217	PRO	CB-CA-C	-13.22	92.38	111.68
2	67	217	PRO	CB-CA-C	-13.22	92.38	111.68
2	7B	217	PRO	CB-CA-C	-13.22	92.38	111.68
2	1F	219	VAL	CA-C-N	-13.22	100.12	122.33
2	1F	219	VAL	C-N-CA	-13.22	100.12	122.33
2	2N	219	VAL	CA-C-N	-13.22	100.12	122.33
2	2N	219	VAL	C-N-CA	-13.22	100.12	122.33
2	23	219	VAL	CA-C-N	-13.22	100.12	122.33
2	23	219	VAL	C-N-CA	-13.22	100.12	122.33
2	3N	219	VAL	CA-C-N	-13.22	100.12	122.33
2	3N	219	VAL	C-N-CA	-13.22	100.12	122.33
2	37	219	VAL	CA-C-N	-13.22	100.12	122.33
2	37	219	VAL	C-N-CA	-13.22	100.12	122.33
2	4J	219	VAL	CA-C-N	-13.22	100.12	122.33
2	4J	219	VAL	C-N-CA	-13.22	100.12	122.33
2	4R	219	VAL	CA-C-N	-13.22	100.12	122.33
2	4R	219	VAL	C-N-CA	-13.22	100.12	122.33
2	5Z	219	VAL	CA-C-N	-13.22	100.12	122.33
2	5Z	219	VAL	C-N-CA	-13.22	100.12	122.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	219	VAL	CA-C-N	-13.22	100.12	122.33
2	6F	219	VAL	C-N-CA	-13.22	100.12	122.33
2	6Z	219	VAL	CA-C-N	-13.22	100.12	122.33
2	6Z	219	VAL	C-N-CA	-13.22	100.12	122.33
2	7J	219	VAL	CA-C-N	-13.22	100.12	122.33
2	7J	219	VAL	C-N-CA	-13.22	100.12	122.33
2	7V	219	VAL	CA-C-N	-13.22	100.12	122.33
2	7V	219	VAL	C-N-CA	-13.22	100.12	122.33
2	1N	219	VAL	CA-C-N	-13.21	100.13	122.33
2	1N	219	VAL	C-N-CA	-13.21	100.13	122.33
2	2J	219	VAL	CA-C-N	-13.21	100.13	122.33
2	2J	219	VAL	C-N-CA	-13.21	100.13	122.33
2	3B	219	VAL	CA-C-N	-13.21	100.13	122.33
2	3B	219	VAL	C-N-CA	-13.21	100.13	122.33
2	3J	219	VAL	CA-C-N	-13.21	100.13	122.33
2	3J	219	VAL	C-N-CA	-13.21	100.13	122.33
2	33	219	VAL	CA-C-N	-13.21	100.13	122.33
2	33	219	VAL	C-N-CA	-13.21	100.13	122.33
2	4F	219	VAL	CA-C-N	-13.21	100.13	122.33
2	4F	219	VAL	C-N-CA	-13.21	100.13	122.33
2	4Z	219	VAL	CA-C-N	-13.21	100.13	122.33
2	4Z	219	VAL	C-N-CA	-13.21	100.13	122.33
2	5V	219	VAL	CA-C-N	-13.21	100.13	122.33
2	5V	219	VAL	C-N-CA	-13.21	100.13	122.33
2	6N	219	VAL	CA-C-N	-13.21	100.13	122.33
2	6N	219	VAL	C-N-CA	-13.21	100.13	122.33
2	6V	219	VAL	CA-C-N	-13.21	100.13	122.33
2	6V	219	VAL	C-N-CA	-13.21	100.13	122.33
2	7F	219	VAL	CA-C-N	-13.21	100.13	122.33
2	7F	219	VAL	C-N-CA	-13.21	100.13	122.33
2	7R	219	VAL	CA-C-N	-13.21	100.13	122.33
2	7R	219	VAL	C-N-CA	-13.21	100.13	122.33
2	1F	23	HIS	CG-ND1-CE1	-13.20	86.86	109.30
2	2N	23	HIS	CG-ND1-CE1	-13.20	86.86	109.30
2	23	23	HIS	CG-ND1-CE1	-13.20	86.86	109.30
2	3N	23	HIS	CG-ND1-CE1	-13.20	86.86	109.30
2	37	23	HIS	CG-ND1-CE1	-13.20	86.86	109.30
2	4J	23	HIS	CG-ND1-CE1	-13.20	86.86	109.30
2	4R	23	HIS	CG-ND1-CE1	-13.20	86.86	109.30
2	5Z	23	HIS	CG-ND1-CE1	-13.20	86.86	109.30
2	6F	23	HIS	CG-ND1-CE1	-13.20	86.86	109.30
2	6Z	23	HIS	CG-ND1-CE1	-13.20	86.86	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	23	HIS	CG-ND1-CE1	-13.20	86.86	109.30
2	7V	23	HIS	CG-ND1-CE1	-13.20	86.86	109.30
2	13	219	VAL	CA-C-N	-13.20	100.16	122.33
2	13	219	VAL	C-N-CA	-13.20	100.16	122.33
2	17	219	VAL	CA-C-N	-13.20	100.16	122.33
2	17	219	VAL	C-N-CA	-13.20	100.16	122.33
2	2B	219	VAL	CA-C-N	-13.20	100.16	122.33
2	2B	219	VAL	C-N-CA	-13.20	100.16	122.33
2	3R	219	VAL	CA-C-N	-13.20	100.16	122.33
2	3R	219	VAL	C-N-CA	-13.20	100.16	122.33
2	3V	219	VAL	CA-C-N	-13.20	100.16	122.33
2	3V	219	VAL	C-N-CA	-13.20	100.16	122.33
2	3Z	219	VAL	CA-C-N	-13.20	100.16	122.33
2	3Z	219	VAL	C-N-CA	-13.20	100.16	122.33
2	5F	219	VAL	CA-C-N	-13.20	100.16	122.33
2	5F	219	VAL	C-N-CA	-13.20	100.16	122.33
2	5J	219	VAL	CA-C-N	-13.20	100.16	122.33
2	5J	219	VAL	C-N-CA	-13.20	100.16	122.33
2	5N	219	VAL	CA-C-N	-13.20	100.16	122.33
2	5N	219	VAL	C-N-CA	-13.20	100.16	122.33
2	63	219	VAL	CA-C-N	-13.20	100.16	122.33
2	63	219	VAL	C-N-CA	-13.20	100.16	122.33
2	67	219	VAL	CA-C-N	-13.20	100.16	122.33
2	67	219	VAL	C-N-CA	-13.20	100.16	122.33
2	7B	219	VAL	CA-C-N	-13.20	100.16	122.33
2	7B	219	VAL	C-N-CA	-13.20	100.16	122.33
2	1N	23	HIS	CG-ND1-CE1	-13.20	86.87	109.30
2	2J	23	HIS	CG-ND1-CE1	-13.20	86.87	109.30
2	3B	23	HIS	CG-ND1-CE1	-13.20	86.87	109.30
2	3J	23	HIS	CG-ND1-CE1	-13.20	86.87	109.30
2	33	23	HIS	CG-ND1-CE1	-13.20	86.87	109.30
2	4F	23	HIS	CG-ND1-CE1	-13.20	86.87	109.30
2	4Z	23	HIS	CG-ND1-CE1	-13.20	86.87	109.30
2	5V	23	HIS	CG-ND1-CE1	-13.20	86.87	109.30
2	6N	23	HIS	CG-ND1-CE1	-13.20	86.87	109.30
2	6V	23	HIS	CG-ND1-CE1	-13.20	86.87	109.30
2	7F	23	HIS	CG-ND1-CE1	-13.20	86.87	109.30
2	7R	23	HIS	CG-ND1-CE1	-13.20	86.87	109.30
1	1M	179	VAL	CA-C-O	-13.19	107.33	121.05
1	2I	179	VAL	CA-C-O	-13.19	107.33	121.05
1	3A	179	VAL	CA-C-O	-13.19	107.33	121.05
1	3I	179	VAL	CA-C-O	-13.19	107.33	121.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	179	VAL	CA-C-O	-13.19	107.33	121.05
1	4E	179	VAL	CA-C-O	-13.19	107.33	121.05
1	4Y	179	VAL	CA-C-O	-13.19	107.33	121.05
1	5U	179	VAL	CA-C-O	-13.19	107.33	121.05
1	6M	179	VAL	CA-C-O	-13.19	107.33	121.05
1	6U	179	VAL	CA-C-O	-13.19	107.33	121.05
1	7E	179	VAL	CA-C-O	-13.19	107.33	121.05
1	7Q	179	VAL	CA-C-O	-13.19	107.33	121.05
1	1E	93	ALA	CA-C-N	-13.19	96.35	121.54
1	1E	93	ALA	C-N-CA	-13.19	96.35	121.54
1	1Q	179	VAL	CA-C-O	-13.19	107.33	121.05
1	1U	179	VAL	CA-C-O	-13.19	107.33	121.05
1	1Y	179	VAL	CA-C-O	-13.19	107.33	121.05
1	2M	93	ALA	CA-C-N	-13.19	96.35	121.54
1	2M	93	ALA	C-N-CA	-13.19	96.35	121.54
1	2Q	179	VAL	CA-C-O	-13.19	107.33	121.05
1	2U	179	VAL	CA-C-O	-13.19	107.33	121.05
1	2Y	179	VAL	CA-C-O	-13.19	107.33	121.05
1	22	93	ALA	CA-C-N	-13.19	96.35	121.54
1	22	93	ALA	C-N-CA	-13.19	96.35	121.54
1	3M	93	ALA	CA-C-N	-13.19	96.35	121.54
1	3M	93	ALA	C-N-CA	-13.19	96.35	121.54
1	36	93	ALA	CA-C-N	-13.19	96.35	121.54
1	36	93	ALA	C-N-CA	-13.19	96.35	121.54
1	4I	93	ALA	CA-C-N	-13.19	96.35	121.54
1	4I	93	ALA	C-N-CA	-13.19	96.35	121.54
1	4Q	93	ALA	CA-C-N	-13.19	96.35	121.54
1	4Q	93	ALA	C-N-CA	-13.19	96.35	121.54
1	42	179	VAL	CA-C-O	-13.19	107.33	121.05
1	46	179	VAL	CA-C-O	-13.19	107.33	121.05
1	5A	179	VAL	CA-C-O	-13.19	107.33	121.05
1	5Y	93	ALA	CA-C-N	-13.19	96.35	121.54
1	5Y	93	ALA	C-N-CA	-13.19	96.35	121.54
1	52	179	VAL	CA-C-O	-13.19	107.33	121.05
1	56	179	VAL	CA-C-O	-13.19	107.33	121.05
1	6A	179	VAL	CA-C-O	-13.19	107.33	121.05
1	6E	93	ALA	CA-C-N	-13.19	96.35	121.54
1	6E	93	ALA	C-N-CA	-13.19	96.35	121.54
1	6Y	93	ALA	CA-C-N	-13.19	96.35	121.54
1	6Y	93	ALA	C-N-CA	-13.19	96.35	121.54
1	7I	93	ALA	CA-C-N	-13.19	96.35	121.54
1	7I	93	ALA	C-N-CA	-13.19	96.35	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	93	ALA	CA-C-N	-13.19	96.35	121.54
1	7U	93	ALA	C-N-CA	-13.19	96.35	121.54
2	1R	23	HIS	CG-ND1-CE1	-13.19	86.88	109.30
2	1V	23	HIS	CG-ND1-CE1	-13.19	86.88	109.30
2	1Z	23	HIS	CG-ND1-CE1	-13.19	86.88	109.30
2	2R	23	HIS	CG-ND1-CE1	-13.19	86.88	109.30
2	2V	23	HIS	CG-ND1-CE1	-13.19	86.88	109.30
2	2Z	23	HIS	CG-ND1-CE1	-13.19	86.88	109.30
2	43	23	HIS	CG-ND1-CE1	-13.19	86.88	109.30
2	47	23	HIS	CG-ND1-CE1	-13.19	86.88	109.30
2	5B	23	HIS	CG-ND1-CE1	-13.19	86.88	109.30
2	53	23	HIS	CG-ND1-CE1	-13.19	86.88	109.30
2	57	23	HIS	CG-ND1-CE1	-13.19	86.88	109.30
2	6B	23	HIS	CG-ND1-CE1	-13.19	86.88	109.30
1	1A	93	ALA	CA-C-N	-13.18	96.36	121.54
1	1A	93	ALA	C-N-CA	-13.18	96.36	121.54
2	1B	23	HIS	CG-ND1-CE1	-13.18	86.89	109.30
1	1E	179	VAL	CA-C-O	-13.18	107.34	121.05
1	1I	93	ALA	CA-C-N	-13.18	96.36	121.54
1	1I	93	ALA	C-N-CA	-13.18	96.36	121.54
1	2M	179	VAL	CA-C-O	-13.18	107.34	121.05
1	26	93	ALA	CA-C-N	-13.18	96.36	121.54
1	26	93	ALA	C-N-CA	-13.18	96.36	121.54
1	3E	93	ALA	CA-C-N	-13.18	96.36	121.54
2	1B	69	SER	CA-C-N	-13.18	101.65	122.87
2	1B	69	SER	C-N-CA	-13.18	101.65	122.87
2	1J	23	HIS	CG-ND1-CE1	-13.18	86.89	109.30
1	2E	93	ALA	CA-C-N	-13.18	96.36	121.54
1	2E	93	ALA	C-N-CA	-13.18	96.36	121.54
1	6E	179	VAL	CA-C-O	-13.18	107.34	121.05
2	1J	69	SER	CA-C-N	-13.18	101.65	122.87
2	1J	69	SER	C-N-CA	-13.18	101.65	122.87
2	2F	23	HIS	CG-ND1-CE1	-13.18	86.89	109.30
1	22	179	VAL	CA-C-O	-13.18	107.34	121.05
1	3E	93	ALA	C-N-CA	-13.18	96.36	121.54
1	3M	179	VAL	CA-C-O	-13.18	107.34	121.05
1	36	179	VAL	CA-C-O	-13.18	107.34	121.05
1	4I	179	VAL	CA-C-O	-13.18	107.34	121.05
1	4Q	179	VAL	CA-C-O	-13.18	107.34	121.05
1	5Y	179	VAL	CA-C-O	-13.18	107.34	121.05
1	6I	93	ALA	CA-C-N	-13.18	96.36	121.54
1	6Q	93	ALA	CA-C-N	-13.18	96.36	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	93	ALA	C-N-CA	-13.18	96.36	121.54
1	7M	93	ALA	CA-C-N	-13.18	96.36	121.54
1	7M	93	ALA	C-N-CA	-13.18	96.36	121.54
2	2F	69	SER	CA-C-N	-13.18	101.65	122.87
2	2F	69	SER	C-N-CA	-13.18	101.65	122.87
2	27	23	HIS	CG-ND1-CE1	-13.18	86.89	109.30
1	4A	93	ALA	CA-C-N	-13.18	96.36	121.54
2	27	69	SER	CA-C-N	-13.18	101.65	122.87
2	27	69	SER	C-N-CA	-13.18	101.65	122.87
2	3F	23	HIS	CG-ND1-CE1	-13.18	86.89	109.30
1	4A	93	ALA	C-N-CA	-13.18	96.36	121.54
2	3F	69	SER	CA-C-N	-13.18	101.65	122.87
2	3F	69	SER	C-N-CA	-13.18	101.65	122.87
2	4B	23	HIS	CG-ND1-CE1	-13.18	86.89	109.30
1	4M	93	ALA	CA-C-N	-13.18	96.36	121.54
1	4M	93	ALA	C-N-CA	-13.18	96.36	121.54
1	4U	93	ALA	CA-C-N	-13.18	96.36	121.54
1	4U	93	ALA	C-N-CA	-13.18	96.36	121.54
1	5Q	93	ALA	CA-C-N	-13.18	96.36	121.54
2	4B	69	SER	CA-C-N	-13.18	101.65	122.87
2	4B	69	SER	C-N-CA	-13.18	101.65	122.87
2	4N	23	HIS	CG-ND1-CE1	-13.18	86.89	109.30
1	5Q	93	ALA	C-N-CA	-13.18	96.36	121.54
1	6I	93	ALA	C-N-CA	-13.18	96.36	121.54
1	7U	179	VAL	CA-C-O	-13.18	107.34	121.05
2	4N	69	SER	CA-C-N	-13.18	101.65	122.87
2	4N	69	SER	C-N-CA	-13.18	101.65	122.87
2	4V	23	HIS	CG-ND1-CE1	-13.18	86.89	109.30
2	4V	69	SER	CA-C-N	-13.18	101.65	122.87
2	4V	69	SER	C-N-CA	-13.18	101.65	122.87
2	5R	23	HIS	CG-ND1-CE1	-13.18	86.89	109.30
1	6Y	179	VAL	CA-C-O	-13.18	107.34	121.05
1	7I	179	VAL	CA-C-O	-13.18	107.34	121.05
2	5R	69	SER	CA-C-N	-13.18	101.65	122.87
2	5R	69	SER	C-N-CA	-13.18	101.65	122.87
2	6J	23	HIS	CG-ND1-CE1	-13.18	86.89	109.30
2	6J	69	SER	CA-C-N	-13.18	101.65	122.87
2	6J	69	SER	C-N-CA	-13.18	101.65	122.87
2	6R	23	HIS	CG-ND1-CE1	-13.18	86.89	109.30
2	6R	69	SER	CA-C-N	-13.18	101.65	122.87
2	6R	69	SER	C-N-CA	-13.18	101.65	122.87
2	7N	23	HIS	CG-ND1-CE1	-13.18	86.89	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	69	SER	CA-C-N	-13.18	101.65	122.87
2	7N	69	SER	C-N-CA	-13.18	101.65	122.87
1	16	179	VAL	CA-C-O	-13.18	107.35	121.05
1	3Y	179	VAL	CA-C-O	-13.18	107.35	121.05
1	62	179	VAL	CA-C-O	-13.18	107.35	121.05
1	1M	93	ALA	CA-C-N	-13.18	96.38	121.54
1	1M	93	ALA	C-N-CA	-13.18	96.38	121.54
2	1R	46	TYR	CA-C-O	-13.18	106.98	120.82
2	1V	46	TYR	CA-C-O	-13.18	106.98	120.82
2	1Z	46	TYR	CA-C-O	-13.18	106.98	120.82
1	12	179	VAL	CA-C-O	-13.18	107.35	121.05
1	2A	179	VAL	CA-C-O	-13.18	107.35	121.05
1	3Q	179	VAL	CA-C-O	-13.18	107.35	121.05
1	2I	93	ALA	CA-C-N	-13.18	96.38	121.54
1	2I	93	ALA	C-N-CA	-13.18	96.38	121.54
2	2R	46	TYR	CA-C-O	-13.18	106.98	120.82
2	2V	46	TYR	CA-C-O	-13.18	106.98	120.82
2	2Z	46	TYR	CA-C-O	-13.18	106.98	120.82
1	3U	179	VAL	CA-C-O	-13.18	107.35	121.05
1	5E	179	VAL	CA-C-O	-13.18	107.35	121.05
1	5I	179	VAL	CA-C-O	-13.18	107.35	121.05
1	5M	179	VAL	CA-C-O	-13.18	107.35	121.05
1	66	179	VAL	CA-C-O	-13.18	107.35	121.05
1	7A	179	VAL	CA-C-O	-13.18	107.35	121.05
1	3A	93	ALA	CA-C-N	-13.18	96.38	121.54
1	3A	93	ALA	C-N-CA	-13.18	96.38	121.54
1	3I	93	ALA	CA-C-N	-13.18	96.38	121.54
1	3I	93	ALA	C-N-CA	-13.18	96.38	121.54
1	32	93	ALA	CA-C-N	-13.18	96.38	121.54
1	32	93	ALA	C-N-CA	-13.18	96.38	121.54
1	4E	93	ALA	CA-C-N	-13.18	96.38	121.54
1	4E	93	ALA	C-N-CA	-13.18	96.38	121.54
1	4Y	93	ALA	CA-C-N	-13.18	96.38	121.54
1	4Y	93	ALA	C-N-CA	-13.18	96.38	121.54
2	43	46	TYR	CA-C-O	-13.18	106.98	120.82
2	47	46	TYR	CA-C-O	-13.18	106.98	120.82
2	5B	46	TYR	CA-C-O	-13.18	106.98	120.82
1	5U	93	ALA	CA-C-N	-13.18	96.38	121.54
1	5U	93	ALA	C-N-CA	-13.18	96.38	121.54
2	53	46	TYR	CA-C-O	-13.18	106.98	120.82
2	57	46	TYR	CA-C-O	-13.18	106.98	120.82
2	6B	46	TYR	CA-C-O	-13.18	106.98	120.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6M	93	ALA	CA-C-N	-13.18	96.38	121.54
1	6M	93	ALA	C-N-CA	-13.18	96.38	121.54
1	6U	93	ALA	CA-C-N	-13.18	96.38	121.54
1	6U	93	ALA	C-N-CA	-13.18	96.38	121.54
1	7E	93	ALA	CA-C-N	-13.18	96.38	121.54
1	7E	93	ALA	C-N-CA	-13.18	96.38	121.54
1	7Q	93	ALA	CA-C-N	-13.18	96.38	121.54
1	7Q	93	ALA	C-N-CA	-13.18	96.38	121.54
2	1N	69	SER	CA-C-N	-13.17	101.66	122.87
2	1N	69	SER	C-N-CA	-13.17	101.66	122.87
2	13	23	HIS	CG-ND1-CE1	-13.17	86.91	109.30
2	17	23	HIS	CG-ND1-CE1	-13.17	86.91	109.30
2	2B	23	HIS	CG-ND1-CE1	-13.17	86.91	109.30
2	2J	69	SER	CA-C-N	-13.17	101.66	122.87
2	2J	69	SER	C-N-CA	-13.17	101.66	122.87
2	3B	69	SER	CA-C-N	-13.17	101.66	122.87
2	3B	69	SER	C-N-CA	-13.17	101.66	122.87
2	3J	69	SER	CA-C-N	-13.17	101.66	122.87
2	3J	69	SER	C-N-CA	-13.17	101.66	122.87
2	3R	23	HIS	CG-ND1-CE1	-13.17	86.91	109.30
2	3V	23	HIS	CG-ND1-CE1	-13.17	86.91	109.30
2	3Z	23	HIS	CG-ND1-CE1	-13.17	86.91	109.30
2	33	69	SER	CA-C-N	-13.17	101.66	122.87
2	33	69	SER	C-N-CA	-13.17	101.66	122.87
2	4F	69	SER	CA-C-N	-13.17	101.66	122.87
2	4F	69	SER	C-N-CA	-13.17	101.66	122.87
2	4Z	69	SER	CA-C-N	-13.17	101.66	122.87
2	4Z	69	SER	C-N-CA	-13.17	101.66	122.87
2	5F	23	HIS	CG-ND1-CE1	-13.17	86.91	109.30
2	5J	23	HIS	CG-ND1-CE1	-13.17	86.91	109.30
2	5N	23	HIS	CG-ND1-CE1	-13.17	86.91	109.30
2	5V	69	SER	CA-C-N	-13.17	101.66	122.87
2	5V	69	SER	C-N-CA	-13.17	101.66	122.87
2	6N	69	SER	CA-C-N	-13.17	101.66	122.87
2	6N	69	SER	C-N-CA	-13.17	101.66	122.87
2	6V	69	SER	CA-C-N	-13.17	101.66	122.87
2	6V	69	SER	C-N-CA	-13.17	101.66	122.87
2	63	23	HIS	CG-ND1-CE1	-13.17	86.91	109.30
2	67	23	HIS	CG-ND1-CE1	-13.17	86.91	109.30
2	7B	23	HIS	CG-ND1-CE1	-13.17	86.91	109.30
2	7F	69	SER	CA-C-N	-13.17	101.66	122.87
2	7F	69	SER	C-N-CA	-13.17	101.66	122.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	69	SER	CA-C-N	-13.17	101.66	122.87
2	7R	69	SER	C-N-CA	-13.17	101.66	122.87
2	1R	69	SER	CA-C-N	-13.17	101.67	122.87
2	1R	69	SER	C-N-CA	-13.17	101.67	122.87
2	1V	69	SER	CA-C-N	-13.17	101.67	122.87
2	1V	69	SER	C-N-CA	-13.17	101.67	122.87
2	1Z	69	SER	CA-C-N	-13.17	101.67	122.87
2	1Z	69	SER	C-N-CA	-13.17	101.67	122.87
2	13	46	TYR	CA-C-O	-13.17	107.00	120.82
2	17	46	TYR	CA-C-O	-13.17	107.00	120.82
2	2B	46	TYR	CA-C-O	-13.17	107.00	120.82
2	2R	69	SER	CA-C-N	-13.17	101.67	122.87
2	2R	69	SER	C-N-CA	-13.17	101.67	122.87
2	2V	69	SER	CA-C-N	-13.17	101.67	122.87
2	2V	69	SER	C-N-CA	-13.17	101.67	122.87
2	2Z	69	SER	CA-C-N	-13.17	101.67	122.87
2	2Z	69	SER	C-N-CA	-13.17	101.67	122.87
2	3R	46	TYR	CA-C-O	-13.17	107.00	120.82
2	3V	46	TYR	CA-C-O	-13.17	107.00	120.82
2	3Z	46	TYR	CA-C-O	-13.17	107.00	120.82
2	43	69	SER	CA-C-N	-13.17	101.67	122.87
2	43	69	SER	C-N-CA	-13.17	101.67	122.87
2	47	69	SER	CA-C-N	-13.17	101.67	122.87
2	47	69	SER	C-N-CA	-13.17	101.67	122.87
2	5B	69	SER	CA-C-N	-13.17	101.67	122.87
2	5B	69	SER	C-N-CA	-13.17	101.67	122.87
2	5F	46	TYR	CA-C-O	-13.17	107.00	120.82
2	5J	46	TYR	CA-C-O	-13.17	107.00	120.82
2	5N	46	TYR	CA-C-O	-13.17	107.00	120.82
2	53	69	SER	CA-C-N	-13.17	101.67	122.87
2	53	69	SER	C-N-CA	-13.17	101.67	122.87
2	57	69	SER	CA-C-N	-13.17	101.67	122.87
2	57	69	SER	C-N-CA	-13.17	101.67	122.87
2	6B	69	SER	CA-C-N	-13.17	101.67	122.87
2	6B	69	SER	C-N-CA	-13.17	101.67	122.87
2	63	46	TYR	CA-C-O	-13.17	107.00	120.82
2	67	46	TYR	CA-C-O	-13.17	107.00	120.82
2	7B	46	TYR	CA-C-O	-13.17	107.00	120.82
2	1N	46	TYR	CA-C-O	-13.16	107.00	120.82
1	1Q	93	ALA	CA-C-N	-13.16	96.40	121.54
1	1Q	93	ALA	C-N-CA	-13.16	96.40	121.54
1	1U	93	ALA	CA-C-N	-13.16	96.40	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1U	93	ALA	C-N-CA	-13.16	96.40	121.54
1	1Y	93	ALA	CA-C-N	-13.16	96.40	121.54
1	1Y	93	ALA	C-N-CA	-13.16	96.40	121.54
2	2J	46	TYR	CA-C-O	-13.16	107.00	120.82
1	2Q	93	ALA	CA-C-N	-13.16	96.40	121.54
1	2Q	93	ALA	C-N-CA	-13.16	96.40	121.54
1	2U	93	ALA	CA-C-N	-13.16	96.40	121.54
1	2U	93	ALA	C-N-CA	-13.16	96.40	121.54
1	2Y	93	ALA	CA-C-N	-13.16	96.40	121.54
1	2Y	93	ALA	C-N-CA	-13.16	96.40	121.54
2	3B	46	TYR	CA-C-O	-13.16	107.00	120.82
2	3J	46	TYR	CA-C-O	-13.16	107.00	120.82
2	33	46	TYR	CA-C-O	-13.16	107.00	120.82
2	4F	46	TYR	CA-C-O	-13.16	107.00	120.82
2	4Z	46	TYR	CA-C-O	-13.16	107.00	120.82
1	42	93	ALA	CA-C-N	-13.16	96.40	121.54
1	42	93	ALA	C-N-CA	-13.16	96.40	121.54
1	46	93	ALA	CA-C-N	-13.16	96.40	121.54
1	46	93	ALA	C-N-CA	-13.16	96.40	121.54
1	5A	93	ALA	CA-C-N	-13.16	96.40	121.54
1	5A	93	ALA	C-N-CA	-13.16	96.40	121.54
2	5V	46	TYR	CA-C-O	-13.16	107.00	120.82
1	52	93	ALA	CA-C-N	-13.16	96.40	121.54
1	52	93	ALA	C-N-CA	-13.16	96.40	121.54
1	56	93	ALA	CA-C-N	-13.16	96.40	121.54
1	56	93	ALA	C-N-CA	-13.16	96.40	121.54
1	6A	93	ALA	CA-C-N	-13.16	96.40	121.54
1	6A	93	ALA	C-N-CA	-13.16	96.40	121.54
2	6N	46	TYR	CA-C-O	-13.16	107.00	120.82
2	6V	46	TYR	CA-C-O	-13.16	107.00	120.82
2	7F	46	TYR	CA-C-O	-13.16	107.00	120.82
2	7R	46	TYR	CA-C-O	-13.16	107.00	120.82
2	13	69	SER	CA-C-N	-13.16	101.68	122.87
2	13	69	SER	C-N-CA	-13.16	101.68	122.87
2	17	69	SER	CA-C-N	-13.16	101.68	122.87
2	17	69	SER	C-N-CA	-13.16	101.68	122.87
2	2B	69	SER	CA-C-N	-13.16	101.68	122.87
2	2B	69	SER	C-N-CA	-13.16	101.68	122.87
2	3R	69	SER	CA-C-N	-13.16	101.68	122.87
2	3R	69	SER	C-N-CA	-13.16	101.68	122.87
2	3V	69	SER	CA-C-N	-13.16	101.68	122.87
2	3V	69	SER	C-N-CA	-13.16	101.68	122.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3Z	69	SER	CA-C-N	-13.16	101.68	122.87
2	3Z	69	SER	C-N-CA	-13.16	101.68	122.87
2	5F	69	SER	CA-C-N	-13.16	101.68	122.87
2	5F	69	SER	C-N-CA	-13.16	101.68	122.87
2	5J	69	SER	CA-C-N	-13.16	101.68	122.87
2	5J	69	SER	C-N-CA	-13.16	101.68	122.87
2	5N	69	SER	CA-C-N	-13.16	101.68	122.87
2	5N	69	SER	C-N-CA	-13.16	101.68	122.87
2	63	69	SER	CA-C-N	-13.16	101.68	122.87
2	63	69	SER	C-N-CA	-13.16	101.68	122.87
2	67	69	SER	CA-C-N	-13.16	101.68	122.87
2	67	69	SER	C-N-CA	-13.16	101.68	122.87
2	7B	69	SER	CA-C-N	-13.16	101.68	122.87
2	7B	69	SER	C-N-CA	-13.16	101.68	122.87
1	1A	179	VAL	CA-C-O	-13.16	107.36	121.05
1	1I	179	VAL	CA-C-O	-13.16	107.36	121.05
1	2E	179	VAL	CA-C-O	-13.16	107.36	121.05
1	26	179	VAL	CA-C-O	-13.16	107.36	121.05
1	3E	179	VAL	CA-C-O	-13.16	107.36	121.05
1	4A	179	VAL	CA-C-O	-13.16	107.36	121.05
1	4M	179	VAL	CA-C-O	-13.16	107.36	121.05
1	4U	179	VAL	CA-C-O	-13.16	107.36	121.05
1	5Q	179	VAL	CA-C-O	-13.16	107.36	121.05
1	6I	179	VAL	CA-C-O	-13.16	107.36	121.05
1	6Q	179	VAL	CA-C-O	-13.16	107.36	121.05
1	7M	179	VAL	CA-C-O	-13.16	107.36	121.05
2	1F	69	SER	CA-C-N	-13.15	101.69	122.87
2	1F	69	SER	C-N-CA	-13.15	101.69	122.87
1	12	93	ALA	CA-C-N	-13.15	96.42	121.54
1	12	93	ALA	C-N-CA	-13.15	96.42	121.54
1	16	93	ALA	CA-C-N	-13.15	96.42	121.54
1	16	93	ALA	C-N-CA	-13.15	96.42	121.54
1	2A	93	ALA	CA-C-N	-13.15	96.42	121.54
1	2A	93	ALA	C-N-CA	-13.15	96.42	121.54
2	2N	69	SER	CA-C-N	-13.15	101.69	122.87
2	2N	69	SER	C-N-CA	-13.15	101.69	122.87
2	23	69	SER	CA-C-N	-13.15	101.69	122.87
2	23	69	SER	C-N-CA	-13.15	101.69	122.87
2	3N	69	SER	CA-C-N	-13.15	101.69	122.87
2	3N	69	SER	C-N-CA	-13.15	101.69	122.87
1	3Q	93	ALA	CA-C-N	-13.15	96.42	121.54
1	3Q	93	ALA	C-N-CA	-13.15	96.42	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	93	ALA	CA-C-N	-13.15	96.42	121.54
1	3U	93	ALA	C-N-CA	-13.15	96.42	121.54
1	3Y	93	ALA	CA-C-N	-13.15	96.42	121.54
1	3Y	93	ALA	C-N-CA	-13.15	96.42	121.54
2	37	69	SER	CA-C-N	-13.15	101.69	122.87
2	37	69	SER	C-N-CA	-13.15	101.69	122.87
2	4J	69	SER	CA-C-N	-13.15	101.69	122.87
2	4J	69	SER	C-N-CA	-13.15	101.69	122.87
2	4R	69	SER	CA-C-N	-13.15	101.69	122.87
2	4R	69	SER	C-N-CA	-13.15	101.69	122.87
1	5E	93	ALA	CA-C-N	-13.15	96.42	121.54
1	5E	93	ALA	C-N-CA	-13.15	96.42	121.54
1	5I	93	ALA	CA-C-N	-13.15	96.42	121.54
1	5I	93	ALA	C-N-CA	-13.15	96.42	121.54
1	5M	93	ALA	CA-C-N	-13.15	96.42	121.54
1	5M	93	ALA	C-N-CA	-13.15	96.42	121.54
2	5Z	69	SER	CA-C-N	-13.15	101.69	122.87
2	5Z	69	SER	C-N-CA	-13.15	101.69	122.87
2	6F	69	SER	CA-C-N	-13.15	101.69	122.87
2	6F	69	SER	C-N-CA	-13.15	101.69	122.87
2	6Z	69	SER	CA-C-N	-13.15	101.69	122.87
2	6Z	69	SER	C-N-CA	-13.15	101.69	122.87
1	62	93	ALA	CA-C-N	-13.15	96.42	121.54
1	62	93	ALA	C-N-CA	-13.15	96.42	121.54
1	66	93	ALA	CA-C-N	-13.15	96.42	121.54
1	66	93	ALA	C-N-CA	-13.15	96.42	121.54
1	7A	93	ALA	CA-C-N	-13.15	96.42	121.54
1	7A	93	ALA	C-N-CA	-13.15	96.42	121.54
2	7J	69	SER	CA-C-N	-13.15	101.69	122.87
2	7J	69	SER	C-N-CA	-13.15	101.69	122.87
2	7V	69	SER	CA-C-N	-13.15	101.69	122.87
2	7V	69	SER	C-N-CA	-13.15	101.69	122.87
2	1F	46	TYR	CA-C-O	-13.15	107.01	120.82
2	2N	46	TYR	CA-C-O	-13.15	107.01	120.82
2	23	46	TYR	CA-C-O	-13.15	107.01	120.82
2	3N	46	TYR	CA-C-O	-13.15	107.01	120.82
2	37	46	TYR	CA-C-O	-13.15	107.01	120.82
2	4J	46	TYR	CA-C-O	-13.15	107.01	120.82
2	4R	46	TYR	CA-C-O	-13.15	107.01	120.82
2	5Z	46	TYR	CA-C-O	-13.15	107.01	120.82
2	6F	46	TYR	CA-C-O	-13.15	107.01	120.82
2	6Z	46	TYR	CA-C-O	-13.15	107.01	120.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	46	TYR	CA-C-O	-13.15	107.01	120.82
2	7V	46	TYR	CA-C-O	-13.15	107.01	120.82
1	12	29	TYR	CB-CG-CD1	-13.14	101.08	120.80
1	16	29	TYR	CB-CG-CD1	-13.14	101.08	120.80
1	2A	29	TYR	CB-CG-CD1	-13.14	101.08	120.80
1	3Q	29	TYR	CB-CG-CD1	-13.14	101.08	120.80
1	3U	29	TYR	CB-CG-CD1	-13.14	101.08	120.80
1	3Y	29	TYR	CB-CG-CD1	-13.14	101.08	120.80
1	5E	29	TYR	CB-CG-CD1	-13.14	101.08	120.80
1	5I	29	TYR	CB-CG-CD1	-13.14	101.08	120.80
1	5M	29	TYR	CB-CG-CD1	-13.14	101.08	120.80
1	62	29	TYR	CB-CG-CD1	-13.14	101.08	120.80
1	66	29	TYR	CB-CG-CD1	-13.14	101.08	120.80
1	7A	29	TYR	CB-CG-CD1	-13.14	101.08	120.80
1	1Q	29	TYR	CB-CG-CD1	-13.14	101.09	120.80
1	1U	29	TYR	CB-CG-CD1	-13.14	101.09	120.80
1	1Y	29	TYR	CB-CG-CD1	-13.14	101.09	120.80
1	2Q	29	TYR	CB-CG-CD1	-13.14	101.09	120.80
1	2U	29	TYR	CB-CG-CD1	-13.14	101.09	120.80
1	2Y	29	TYR	CB-CG-CD1	-13.14	101.09	120.80
1	42	29	TYR	CB-CG-CD1	-13.14	101.09	120.80
1	46	29	TYR	CB-CG-CD1	-13.14	101.09	120.80
1	5A	29	TYR	CB-CG-CD1	-13.14	101.09	120.80
1	52	29	TYR	CB-CG-CD1	-13.14	101.09	120.80
1	56	29	TYR	CB-CG-CD1	-13.14	101.09	120.80
1	6A	29	TYR	CB-CG-CD1	-13.14	101.09	120.80
2	1B	46	TYR	CA-C-O	-13.14	107.03	120.82
2	1J	46	TYR	CA-C-O	-13.14	107.03	120.82
2	2F	46	TYR	CA-C-O	-13.14	107.03	120.82
2	27	46	TYR	CA-C-O	-13.14	107.03	120.82
2	3F	46	TYR	CA-C-O	-13.14	107.03	120.82
2	4B	46	TYR	CA-C-O	-13.14	107.03	120.82
2	4N	46	TYR	CA-C-O	-13.14	107.03	120.82
2	4V	46	TYR	CA-C-O	-13.14	107.03	120.82
2	5R	46	TYR	CA-C-O	-13.14	107.03	120.82
2	6J	46	TYR	CA-C-O	-13.14	107.03	120.82
2	6R	46	TYR	CA-C-O	-13.14	107.03	120.82
2	7N	46	TYR	CA-C-O	-13.14	107.03	120.82
1	1E	29	TYR	CB-CG-CD1	-13.12	101.11	120.80
1	1Q	182	PHE	O-C-N	13.13	140.85	122.74
1	1U	182	PHE	O-C-N	13.13	140.85	122.74
1	1Y	182	PHE	O-C-N	13.13	140.85	122.74

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	29	TYR	CB-CG-CD1	-13.12	101.11	120.80
1	2Q	182	PHE	O-C-N	13.13	140.85	122.74
1	2U	182	PHE	O-C-N	13.13	140.85	122.74
1	2Y	182	PHE	O-C-N	13.13	140.85	122.74
1	22	29	TYR	CB-CG-CD1	-13.12	101.11	120.80
1	3M	29	TYR	CB-CG-CD1	-13.12	101.11	120.80
1	36	29	TYR	CB-CG-CD1	-13.12	101.11	120.80
1	4I	29	TYR	CB-CG-CD1	-13.12	101.11	120.80
1	4Q	29	TYR	CB-CG-CD1	-13.12	101.11	120.80
1	42	182	PHE	O-C-N	13.13	140.85	122.74
1	46	182	PHE	O-C-N	13.13	140.85	122.74
1	5A	182	PHE	O-C-N	13.13	140.85	122.74
1	5Y	29	TYR	CB-CG-CD1	-13.12	101.11	120.80
1	52	182	PHE	O-C-N	13.13	140.85	122.74
1	56	182	PHE	O-C-N	13.13	140.85	122.74
1	6A	182	PHE	O-C-N	13.13	140.85	122.74
1	6E	29	TYR	CB-CG-CD1	-13.12	101.11	120.80
1	6Y	29	TYR	CB-CG-CD1	-13.12	101.11	120.80
1	7I	29	TYR	CB-CG-CD1	-13.12	101.11	120.80
1	7U	29	TYR	CB-CG-CD1	-13.12	101.11	120.80
1	1A	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	1I	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	1M	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	2E	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	2I	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	26	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	3A	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	3E	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	3I	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	32	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	4A	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	4E	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	4M	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	4U	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	4Y	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	5Q	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	5U	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	6I	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	6M	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	6Q	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	6U	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	7E	29	TYR	CB-CG-CD1	-13.12	101.12	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	7Q	29	TYR	CB-CG-CD1	-13.12	101.12	120.80
1	1A	182	PHE	O-C-N	13.11	140.83	122.74
1	1I	182	PHE	O-C-N	13.11	140.83	122.74
1	2E	182	PHE	O-C-N	13.11	140.83	122.74
1	26	182	PHE	O-C-N	13.11	140.83	122.74
1	3E	182	PHE	O-C-N	13.11	140.83	122.74
1	4A	182	PHE	O-C-N	13.11	140.83	122.74
1	4M	182	PHE	O-C-N	13.11	140.83	122.74
1	4U	182	PHE	O-C-N	13.11	140.83	122.74
1	5Q	182	PHE	O-C-N	13.11	140.83	122.74
1	6I	182	PHE	O-C-N	13.11	140.83	122.74
1	6Q	182	PHE	O-C-N	13.11	140.83	122.74
1	7M	182	PHE	O-C-N	13.11	140.83	122.74
1	12	182	PHE	O-C-N	13.10	140.82	122.74
1	16	182	PHE	O-C-N	13.10	140.82	122.74
1	2A	182	PHE	O-C-N	13.10	140.82	122.74
1	3Q	182	PHE	O-C-N	13.10	140.82	122.74
1	3U	182	PHE	O-C-N	13.10	140.82	122.74
1	3Y	182	PHE	O-C-N	13.10	140.82	122.74
1	5E	182	PHE	O-C-N	13.10	140.82	122.74
1	5I	182	PHE	O-C-N	13.10	140.82	122.74
1	5M	182	PHE	O-C-N	13.10	140.82	122.74
1	62	182	PHE	O-C-N	13.10	140.82	122.74
1	66	182	PHE	O-C-N	13.10	140.82	122.74
1	7A	182	PHE	O-C-N	13.10	140.82	122.74
1	1E	182	PHE	O-C-N	13.09	140.81	122.74
1	2M	182	PHE	O-C-N	13.09	140.81	122.74
1	22	182	PHE	O-C-N	13.09	140.81	122.74
1	3M	182	PHE	O-C-N	13.09	140.81	122.74
1	36	182	PHE	O-C-N	13.09	140.81	122.74
1	4I	182	PHE	O-C-N	13.09	140.81	122.74
1	4Q	182	PHE	O-C-N	13.09	140.81	122.74
1	5Y	182	PHE	O-C-N	13.09	140.81	122.74
1	6E	182	PHE	O-C-N	13.09	140.81	122.74
1	6Y	182	PHE	O-C-N	13.09	140.81	122.74
1	7I	182	PHE	O-C-N	13.09	140.81	122.74
1	7U	182	PHE	O-C-N	13.09	140.81	122.74
1	1M	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	12	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	16	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	2A	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	3A	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	3I	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	3Q	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	3U	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	3Y	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	32	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	4E	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	4Y	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	5E	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	5I	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	5M	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	5U	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	6M	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	6U	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	62	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	66	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	7A	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	7E	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	7Q	29	TYR	CE1-CZ-OH	-13.08	80.66	119.90
1	1A	29	TYR	CE1-CZ-OH	-13.07	80.68	119.90
1	1I	29	TYR	CE1-CZ-OH	-13.07	80.68	119.90
1	2E	29	TYR	CE1-CZ-OH	-13.07	80.68	119.90
1	26	29	TYR	CE1-CZ-OH	-13.07	80.68	119.90
1	3E	29	TYR	CE1-CZ-OH	-13.07	80.68	119.90
1	4A	29	TYR	CE1-CZ-OH	-13.07	80.68	119.90
1	4M	29	TYR	CE1-CZ-OH	-13.07	80.68	119.90
1	4U	29	TYR	CE1-CZ-OH	-13.07	80.68	119.90
1	5Q	29	TYR	CE1-CZ-OH	-13.07	80.68	119.90
1	6I	29	TYR	CE1-CZ-OH	-13.07	80.68	119.90
1	6Q	29	TYR	CE1-CZ-OH	-13.07	80.68	119.90
1	7M	29	TYR	CE1-CZ-OH	-13.07	80.68	119.90
1	1E	29	TYR	CE1-CZ-OH	-13.07	80.69	119.90
1	2M	29	TYR	CE1-CZ-OH	-13.07	80.69	119.90
1	22	29	TYR	CE1-CZ-OH	-13.07	80.69	119.90
1	3M	29	TYR	CE1-CZ-OH	-13.07	80.69	119.90
1	36	29	TYR	CE1-CZ-OH	-13.07	80.69	119.90
1	4I	29	TYR	CE1-CZ-OH	-13.07	80.69	119.90
1	4Q	29	TYR	CE1-CZ-OH	-13.07	80.69	119.90
1	5Y	29	TYR	CE1-CZ-OH	-13.07	80.69	119.90
1	6E	29	TYR	CE1-CZ-OH	-13.07	80.69	119.90
1	6Y	29	TYR	CE1-CZ-OH	-13.07	80.69	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	29	TYR	CE1-CZ-OH	-13.07	80.69	119.90
1	7U	29	TYR	CE1-CZ-OH	-13.07	80.69	119.90
1	1M	182	PHE	O-C-N	13.07	140.77	122.74
1	1Q	29	TYR	CE1-CZ-OH	-13.07	80.70	119.90
1	1U	29	TYR	CE1-CZ-OH	-13.07	80.70	119.90
1	1Y	29	TYR	CE1-CZ-OH	-13.07	80.70	119.90
1	2I	182	PHE	O-C-N	13.07	140.77	122.74
1	2Q	29	TYR	CE1-CZ-OH	-13.07	80.70	119.90
1	2U	29	TYR	CE1-CZ-OH	-13.07	80.70	119.90
1	2Y	29	TYR	CE1-CZ-OH	-13.07	80.70	119.90
1	3A	182	PHE	O-C-N	13.07	140.77	122.74
1	3I	182	PHE	O-C-N	13.07	140.77	122.74
1	32	182	PHE	O-C-N	13.07	140.77	122.74
1	4E	182	PHE	O-C-N	13.07	140.77	122.74
1	4Y	182	PHE	O-C-N	13.07	140.77	122.74
1	42	29	TYR	CE1-CZ-OH	-13.07	80.70	119.90
1	46	29	TYR	CE1-CZ-OH	-13.07	80.70	119.90
1	5A	29	TYR	CE1-CZ-OH	-13.07	80.70	119.90
1	5U	182	PHE	O-C-N	13.07	140.77	122.74
1	52	29	TYR	CE1-CZ-OH	-13.07	80.70	119.90
1	56	29	TYR	CE1-CZ-OH	-13.07	80.70	119.90
1	6A	29	TYR	CE1-CZ-OH	-13.07	80.70	119.90
1	6M	182	PHE	O-C-N	13.07	140.77	122.74
1	6U	182	PHE	O-C-N	13.07	140.77	122.74
1	7E	182	PHE	O-C-N	13.07	140.77	122.74
1	7Q	182	PHE	O-C-N	13.07	140.77	122.74
1	1Q	154	SER	CA-CB-OG	13.00	137.11	111.10
1	1U	154	SER	CA-CB-OG	13.00	137.11	111.10
1	1Y	154	SER	CA-CB-OG	13.00	137.11	111.10
1	12	154	SER	CA-CB-OG	13.00	137.11	111.10
1	16	154	SER	CA-CB-OG	13.00	137.11	111.10
1	2A	154	SER	CA-CB-OG	13.00	137.11	111.10
1	2Q	154	SER	CA-CB-OG	13.00	137.11	111.10
1	2U	154	SER	CA-CB-OG	13.00	137.11	111.10
1	2Y	154	SER	CA-CB-OG	13.00	137.11	111.10
1	3Q	154	SER	CA-CB-OG	13.00	137.11	111.10
1	3U	154	SER	CA-CB-OG	13.00	137.11	111.10
1	3Y	154	SER	CA-CB-OG	13.00	137.11	111.10
1	42	154	SER	CA-CB-OG	13.00	137.11	111.10
1	46	154	SER	CA-CB-OG	13.00	137.11	111.10
1	5A	154	SER	CA-CB-OG	13.00	137.11	111.10
1	5E	154	SER	CA-CB-OG	13.00	137.11	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5I	154	SER	CA-CB-OG	13.00	137.11	111.10
1	5M	154	SER	CA-CB-OG	13.00	137.11	111.10
1	52	154	SER	CA-CB-OG	13.00	137.11	111.10
1	56	154	SER	CA-CB-OG	13.00	137.11	111.10
1	6A	154	SER	CA-CB-OG	13.00	137.11	111.10
1	62	154	SER	CA-CB-OG	13.00	137.11	111.10
1	66	154	SER	CA-CB-OG	13.00	137.11	111.10
1	7A	154	SER	CA-CB-OG	13.00	137.11	111.10
1	1A	154	SER	CA-CB-OG	13.00	137.09	111.10
2	1F	60	ARG	CA-C-O	-13.00	101.92	120.51
1	1I	154	SER	CA-CB-OG	13.00	137.09	111.10
2	2N	60	ARG	CA-C-O	-13.00	101.92	120.51
2	23	60	ARG	CA-C-O	-13.00	101.92	120.51
2	4R	60	ARG	CA-C-O	-13.00	101.92	120.51
2	6F	60	ARG	CA-C-O	-13.00	101.92	120.51
2	7J	60	ARG	CA-C-O	-13.00	101.92	120.51
1	1M	154	SER	CA-CB-OG	13.00	137.09	111.10
1	2E	154	SER	CA-CB-OG	13.00	137.09	111.10
1	2I	154	SER	CA-CB-OG	13.00	137.09	111.10
1	26	154	SER	CA-CB-OG	13.00	137.09	111.10
1	3A	154	SER	CA-CB-OG	13.00	137.09	111.10
1	3E	154	SER	CA-CB-OG	13.00	137.09	111.10
2	3N	60	ARG	CA-C-O	-13.00	101.92	120.51
2	37	60	ARG	CA-C-O	-13.00	101.92	120.51
1	3I	154	SER	CA-CB-OG	13.00	137.09	111.10
1	32	154	SER	CA-CB-OG	13.00	137.09	111.10
1	4A	154	SER	CA-CB-OG	13.00	137.09	111.10
2	4J	60	ARG	CA-C-O	-13.00	101.92	120.51
1	4E	154	SER	CA-CB-OG	13.00	137.09	111.10
1	4M	154	SER	CA-CB-OG	13.00	137.09	111.10
1	4U	154	SER	CA-CB-OG	13.00	137.09	111.10
2	5Z	60	ARG	CA-C-O	-13.00	101.92	120.51
1	4Y	154	SER	CA-CB-OG	13.00	137.09	111.10
1	5Q	154	SER	CA-CB-OG	13.00	137.09	111.10
1	5U	154	SER	CA-CB-OG	13.00	137.09	111.10
1	6I	154	SER	CA-CB-OG	13.00	137.09	111.10
1	6M	154	SER	CA-CB-OG	13.00	137.09	111.10
1	6Q	154	SER	CA-CB-OG	13.00	137.09	111.10
2	6Z	60	ARG	CA-C-O	-13.00	101.92	120.51
2	7V	60	ARG	CA-C-O	-13.00	101.92	120.51
1	6U	154	SER	CA-CB-OG	13.00	137.09	111.10
1	7E	154	SER	CA-CB-OG	13.00	137.09	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	154	SER	CA-CB-OG	13.00	137.09	111.10
1	7Q	154	SER	CA-CB-OG	13.00	137.09	111.10
1	1E	154	SER	CA-CB-OG	12.99	137.09	111.10
2	13	60	ARG	CA-C-O	-12.99	101.93	120.51
2	17	60	ARG	CA-C-O	-12.99	101.93	120.51
2	2B	60	ARG	CA-C-O	-12.99	101.93	120.51
1	2M	154	SER	CA-CB-OG	12.99	137.09	111.10
1	22	154	SER	CA-CB-OG	12.99	137.09	111.10
1	3M	154	SER	CA-CB-OG	12.99	137.09	111.10
2	3R	60	ARG	CA-C-O	-12.99	101.93	120.51
2	3V	60	ARG	CA-C-O	-12.99	101.93	120.51
2	3Z	60	ARG	CA-C-O	-12.99	101.93	120.51
1	36	154	SER	CA-CB-OG	12.99	137.09	111.10
1	4I	154	SER	CA-CB-OG	12.99	137.09	111.10
1	4Q	154	SER	CA-CB-OG	12.99	137.09	111.10
2	5F	60	ARG	CA-C-O	-12.99	101.93	120.51
2	5J	60	ARG	CA-C-O	-12.99	101.93	120.51
2	5N	60	ARG	CA-C-O	-12.99	101.93	120.51
1	5Y	154	SER	CA-CB-OG	12.99	137.09	111.10
1	6E	154	SER	CA-CB-OG	12.99	137.09	111.10
1	6Y	154	SER	CA-CB-OG	12.99	137.09	111.10
2	63	60	ARG	CA-C-O	-12.99	101.93	120.51
2	67	60	ARG	CA-C-O	-12.99	101.93	120.51
2	7B	60	ARG	CA-C-O	-12.99	101.93	120.51
1	7I	154	SER	CA-CB-OG	12.99	137.09	111.10
1	7U	154	SER	CA-CB-OG	12.99	137.09	111.10
2	1N	60	ARG	CA-C-O	-12.99	101.93	120.51
2	2J	60	ARG	CA-C-O	-12.99	101.93	120.51
2	3B	60	ARG	CA-C-O	-12.99	101.93	120.51
2	3J	60	ARG	CA-C-O	-12.99	101.93	120.51
2	33	60	ARG	CA-C-O	-12.99	101.93	120.51
2	4F	60	ARG	CA-C-O	-12.99	101.93	120.51
2	4Z	60	ARG	CA-C-O	-12.99	101.93	120.51
2	5V	60	ARG	CA-C-O	-12.99	101.93	120.51
2	6N	60	ARG	CA-C-O	-12.99	101.93	120.51
2	6V	60	ARG	CA-C-O	-12.99	101.93	120.51
2	7F	60	ARG	CA-C-O	-12.99	101.93	120.51
2	7R	60	ARG	CA-C-O	-12.99	101.93	120.51
2	1B	60	ARG	CA-C-O	-12.98	101.95	120.51
2	1J	60	ARG	CA-C-O	-12.98	101.95	120.51
2	2F	60	ARG	CA-C-O	-12.98	101.95	120.51
2	27	60	ARG	CA-C-O	-12.98	101.95	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	60	ARG	CA-C-O	-12.98	101.95	120.51
2	4B	60	ARG	CA-C-O	-12.98	101.95	120.51
2	4N	60	ARG	CA-C-O	-12.98	101.95	120.51
2	4V	60	ARG	CA-C-O	-12.98	101.95	120.51
2	5R	60	ARG	CA-C-O	-12.98	101.95	120.51
2	6J	60	ARG	CA-C-O	-12.98	101.95	120.51
2	6R	60	ARG	CA-C-O	-12.98	101.95	120.51
2	7N	60	ARG	CA-C-O	-12.98	101.95	120.51
2	1R	60	ARG	CA-C-O	-12.97	101.97	120.51
2	1V	60	ARG	CA-C-O	-12.97	101.97	120.51
2	1Z	60	ARG	CA-C-O	-12.97	101.97	120.51
2	2R	60	ARG	CA-C-O	-12.97	101.97	120.51
2	2V	60	ARG	CA-C-O	-12.97	101.97	120.51
2	2Z	60	ARG	CA-C-O	-12.97	101.97	120.51
2	43	60	ARG	CA-C-O	-12.97	101.97	120.51
2	47	60	ARG	CA-C-O	-12.97	101.97	120.51
2	5B	60	ARG	CA-C-O	-12.97	101.97	120.51
2	53	60	ARG	CA-C-O	-12.97	101.97	120.51
2	57	60	ARG	CA-C-O	-12.97	101.97	120.51
2	6B	60	ARG	CA-C-O	-12.97	101.97	120.51
1	1Q	91	PRO	CB-CA-C	12.96	128.96	110.17
1	1U	91	PRO	CB-CA-C	12.96	128.96	110.17
1	1Y	91	PRO	CB-CA-C	12.96	128.96	110.17
1	2Q	91	PRO	CB-CA-C	12.96	128.96	110.17
1	2U	91	PRO	CB-CA-C	12.96	128.96	110.17
1	2Y	91	PRO	CB-CA-C	12.96	128.96	110.17
1	42	91	PRO	CB-CA-C	12.96	128.96	110.17
1	46	91	PRO	CB-CA-C	12.96	128.96	110.17
1	5A	91	PRO	CB-CA-C	12.96	128.96	110.17
1	52	91	PRO	CB-CA-C	12.96	128.96	110.17
1	56	91	PRO	CB-CA-C	12.96	128.96	110.17
1	6A	91	PRO	CB-CA-C	12.96	128.96	110.17
2	1F	16	ASN	OD1-CG-ND2	-12.96	109.64	122.60
2	2N	16	ASN	OD1-CG-ND2	-12.96	109.64	122.60
2	23	16	ASN	OD1-CG-ND2	-12.96	109.64	122.60
2	3N	16	ASN	OD1-CG-ND2	-12.96	109.64	122.60
2	37	16	ASN	OD1-CG-ND2	-12.96	109.64	122.60
2	4J	16	ASN	OD1-CG-ND2	-12.96	109.64	122.60
2	4R	16	ASN	OD1-CG-ND2	-12.96	109.64	122.60
2	5Z	16	ASN	OD1-CG-ND2	-12.96	109.64	122.60
2	6F	16	ASN	OD1-CG-ND2	-12.96	109.64	122.60
2	6Z	16	ASN	OD1-CG-ND2	-12.96	109.64	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	16	ASN	OD1-CG-ND2	-12.96	109.64	122.60
2	7V	16	ASN	OD1-CG-ND2	-12.96	109.64	122.60
1	12	91	PRO	CB-CA-C	12.95	128.94	110.17
1	16	91	PRO	CB-CA-C	12.95	128.94	110.17
1	2A	91	PRO	CB-CA-C	12.95	128.94	110.17
1	3Q	91	PRO	CB-CA-C	12.95	128.94	110.17
1	3U	91	PRO	CB-CA-C	12.95	128.94	110.17
1	3Y	91	PRO	CB-CA-C	12.95	128.94	110.17
1	5E	91	PRO	CB-CA-C	12.95	128.94	110.17
1	5I	91	PRO	CB-CA-C	12.95	128.94	110.17
1	5M	91	PRO	CB-CA-C	12.95	128.94	110.17
1	62	91	PRO	CB-CA-C	12.95	128.94	110.17
1	66	91	PRO	CB-CA-C	12.95	128.94	110.17
1	7A	91	PRO	CB-CA-C	12.95	128.94	110.17
1	1E	91	PRO	CB-CA-C	12.94	128.93	110.17
1	2M	91	PRO	CB-CA-C	12.94	128.93	110.17
1	22	91	PRO	CB-CA-C	12.94	128.93	110.17
1	3M	91	PRO	CB-CA-C	12.94	128.93	110.17
1	36	91	PRO	CB-CA-C	12.94	128.93	110.17
1	4I	91	PRO	CB-CA-C	12.94	128.93	110.17
1	4Q	91	PRO	CB-CA-C	12.94	128.93	110.17
1	5Y	91	PRO	CB-CA-C	12.94	128.93	110.17
1	6E	91	PRO	CB-CA-C	12.94	128.93	110.17
1	6Y	91	PRO	CB-CA-C	12.94	128.93	110.17
1	7I	91	PRO	CB-CA-C	12.94	128.93	110.17
1	7U	91	PRO	CB-CA-C	12.94	128.93	110.17
1	1A	91	PRO	CB-CA-C	12.94	128.93	110.17
1	1I	91	PRO	CB-CA-C	12.94	128.93	110.17
1	2E	91	PRO	CB-CA-C	12.94	128.93	110.17
1	26	91	PRO	CB-CA-C	12.94	128.93	110.17
1	3E	91	PRO	CB-CA-C	12.94	128.93	110.17
1	4A	91	PRO	CB-CA-C	12.94	128.93	110.17
1	4M	91	PRO	CB-CA-C	12.94	128.93	110.17
1	4U	91	PRO	CB-CA-C	12.94	128.93	110.17
1	5Q	91	PRO	CB-CA-C	12.94	128.93	110.17
1	6I	91	PRO	CB-CA-C	12.94	128.93	110.17
1	6Q	91	PRO	CB-CA-C	12.94	128.93	110.17
1	7M	91	PRO	CB-CA-C	12.94	128.93	110.17
2	1F	216	ASN	CA-C-O	12.93	136.45	120.54
1	1M	91	PRO	CB-CA-C	12.93	128.92	110.17
1	2I	91	PRO	CB-CA-C	12.93	128.92	110.17
2	2N	216	ASN	CA-C-O	12.93	136.45	120.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	216	ASN	CA-C-O	12.93	136.45	120.54
1	3A	91	PRO	CB-CA-C	12.93	128.92	110.17
1	3I	91	PRO	CB-CA-C	12.93	128.92	110.17
2	3N	216	ASN	CA-C-O	12.93	136.45	120.54
1	32	91	PRO	CB-CA-C	12.93	128.92	110.17
2	37	216	ASN	CA-C-O	12.93	136.45	120.54
1	4E	91	PRO	CB-CA-C	12.93	128.92	110.17
2	4J	216	ASN	CA-C-O	12.93	136.45	120.54
2	4R	216	ASN	CA-C-O	12.93	136.45	120.54
1	4Y	91	PRO	CB-CA-C	12.93	128.92	110.17
1	5U	91	PRO	CB-CA-C	12.93	128.92	110.17
2	5Z	216	ASN	CA-C-O	12.93	136.45	120.54
2	6F	216	ASN	CA-C-O	12.93	136.45	120.54
1	6M	91	PRO	CB-CA-C	12.93	128.92	110.17
1	6U	91	PRO	CB-CA-C	12.93	128.92	110.17
2	6Z	216	ASN	CA-C-O	12.93	136.45	120.54
1	7E	91	PRO	CB-CA-C	12.93	128.92	110.17
2	7J	216	ASN	CA-C-O	12.93	136.45	120.54
1	7Q	91	PRO	CB-CA-C	12.93	128.92	110.17
2	7V	216	ASN	CA-C-O	12.93	136.45	120.54
2	13	16	ASN	OD1-CG-ND2	-12.93	109.67	122.60
2	17	16	ASN	OD1-CG-ND2	-12.93	109.67	122.60
2	2B	16	ASN	OD1-CG-ND2	-12.93	109.67	122.60
2	3R	16	ASN	OD1-CG-ND2	-12.93	109.67	122.60
2	3V	16	ASN	OD1-CG-ND2	-12.93	109.67	122.60
2	3Z	16	ASN	OD1-CG-ND2	-12.93	109.67	122.60
2	5F	16	ASN	OD1-CG-ND2	-12.93	109.67	122.60
2	5J	16	ASN	OD1-CG-ND2	-12.93	109.67	122.60
2	5N	16	ASN	OD1-CG-ND2	-12.93	109.67	122.60
2	63	16	ASN	OD1-CG-ND2	-12.93	109.67	122.60
2	67	16	ASN	OD1-CG-ND2	-12.93	109.67	122.60
2	7B	16	ASN	OD1-CG-ND2	-12.93	109.67	122.60
2	1B	16	ASN	OD1-CG-ND2	-12.92	109.68	122.60
2	1J	16	ASN	OD1-CG-ND2	-12.92	109.68	122.60
2	2F	16	ASN	OD1-CG-ND2	-12.92	109.68	122.60
2	27	16	ASN	OD1-CG-ND2	-12.92	109.68	122.60
2	3F	16	ASN	OD1-CG-ND2	-12.92	109.68	122.60
2	4B	16	ASN	OD1-CG-ND2	-12.92	109.68	122.60
2	4N	16	ASN	OD1-CG-ND2	-12.92	109.68	122.60
2	4V	16	ASN	OD1-CG-ND2	-12.92	109.68	122.60
2	5R	16	ASN	OD1-CG-ND2	-12.92	109.68	122.60
2	6J	16	ASN	OD1-CG-ND2	-12.92	109.68	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	16	ASN	OD1-CG-ND2	-12.92	109.68	122.60
2	7N	16	ASN	OD1-CG-ND2	-12.92	109.68	122.60
2	1R	16	ASN	OD1-CG-ND2	-12.91	109.69	122.60
2	1V	16	ASN	OD1-CG-ND2	-12.91	109.69	122.60
2	1Z	16	ASN	OD1-CG-ND2	-12.91	109.69	122.60
2	2R	16	ASN	OD1-CG-ND2	-12.91	109.69	122.60
2	2V	16	ASN	OD1-CG-ND2	-12.91	109.69	122.60
2	2Z	16	ASN	OD1-CG-ND2	-12.91	109.69	122.60
2	43	16	ASN	OD1-CG-ND2	-12.91	109.69	122.60
2	47	16	ASN	OD1-CG-ND2	-12.91	109.69	122.60
2	5B	16	ASN	OD1-CG-ND2	-12.91	109.69	122.60
2	53	16	ASN	OD1-CG-ND2	-12.91	109.69	122.60
2	57	16	ASN	OD1-CG-ND2	-12.91	109.69	122.60
2	6B	16	ASN	OD1-CG-ND2	-12.91	109.69	122.60
1	12	30	PHE	CB-CA-C	12.91	132.78	110.45
1	16	30	PHE	CB-CA-C	12.91	132.78	110.45
1	2A	30	PHE	CB-CA-C	12.91	132.78	110.45
1	3Q	30	PHE	CB-CA-C	12.91	132.78	110.45
1	3U	30	PHE	CB-CA-C	12.91	132.78	110.45
1	3Y	30	PHE	CB-CA-C	12.91	132.78	110.45
1	5E	30	PHE	CB-CA-C	12.91	132.78	110.45
1	5I	30	PHE	CB-CA-C	12.91	132.78	110.45
1	5M	30	PHE	CB-CA-C	12.91	132.78	110.45
1	62	30	PHE	CB-CA-C	12.91	132.78	110.45
1	66	30	PHE	CB-CA-C	12.91	132.78	110.45
1	7A	30	PHE	CB-CA-C	12.91	132.78	110.45
1	1A	30	PHE	CB-CA-C	12.91	132.78	110.45
1	1I	30	PHE	CB-CA-C	12.91	132.78	110.45
1	2E	30	PHE	CB-CA-C	12.91	132.78	110.45
1	26	30	PHE	CB-CA-C	12.91	132.78	110.45
1	3E	30	PHE	CB-CA-C	12.91	132.78	110.45
1	4A	30	PHE	CB-CA-C	12.91	132.78	110.45
1	4M	30	PHE	CB-CA-C	12.91	132.78	110.45
1	4U	30	PHE	CB-CA-C	12.91	132.78	110.45
1	5Q	30	PHE	CB-CA-C	12.91	132.78	110.45
1	6I	30	PHE	CB-CA-C	12.91	132.78	110.45
1	6Q	30	PHE	CB-CA-C	12.91	132.78	110.45
1	7M	30	PHE	CB-CA-C	12.91	132.78	110.45
2	1R	216	ASN	CA-C-O	12.90	136.41	120.54
2	1V	216	ASN	CA-C-O	12.90	136.41	120.54
2	1Z	216	ASN	CA-C-O	12.90	136.41	120.54
2	2R	216	ASN	CA-C-O	12.90	136.41	120.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	216	ASN	CA-C-O	12.90	136.41	120.54
2	2Z	216	ASN	CA-C-O	12.90	136.41	120.54
2	43	216	ASN	CA-C-O	12.90	136.41	120.54
2	47	216	ASN	CA-C-O	12.90	136.41	120.54
2	5B	216	ASN	CA-C-O	12.90	136.41	120.54
2	53	216	ASN	CA-C-O	12.90	136.41	120.54
2	57	216	ASN	CA-C-O	12.90	136.41	120.54
2	6B	216	ASN	CA-C-O	12.90	136.41	120.54
1	1M	30	PHE	CB-CA-C	12.90	132.77	110.45
1	1Q	30	PHE	CB-CA-C	12.90	132.77	110.45
1	1U	30	PHE	CB-CA-C	12.90	132.77	110.45
1	1Y	30	PHE	CB-CA-C	12.90	132.77	110.45
1	2I	30	PHE	CB-CA-C	12.90	132.77	110.45
1	2Q	30	PHE	CB-CA-C	12.90	132.77	110.45
1	2U	30	PHE	CB-CA-C	12.90	132.77	110.45
1	2Y	30	PHE	CB-CA-C	12.90	132.77	110.45
1	3A	30	PHE	CB-CA-C	12.90	132.77	110.45
1	3I	30	PHE	CB-CA-C	12.90	132.77	110.45
1	32	30	PHE	CB-CA-C	12.90	132.77	110.45
1	4E	30	PHE	CB-CA-C	12.90	132.77	110.45
1	4Y	30	PHE	CB-CA-C	12.90	132.77	110.45
1	42	30	PHE	CB-CA-C	12.90	132.77	110.45
1	46	30	PHE	CB-CA-C	12.90	132.77	110.45
1	5A	30	PHE	CB-CA-C	12.90	132.77	110.45
1	5U	30	PHE	CB-CA-C	12.90	132.77	110.45
1	52	30	PHE	CB-CA-C	12.90	132.77	110.45
1	56	30	PHE	CB-CA-C	12.90	132.77	110.45
1	6A	30	PHE	CB-CA-C	12.90	132.77	110.45
1	6M	30	PHE	CB-CA-C	12.90	132.77	110.45
1	6U	30	PHE	CB-CA-C	12.90	132.77	110.45
1	7E	30	PHE	CB-CA-C	12.90	132.77	110.45
1	7Q	30	PHE	CB-CA-C	12.90	132.77	110.45
1	1E	30	PHE	CB-CA-C	12.90	132.76	110.45
1	2M	30	PHE	CB-CA-C	12.90	132.76	110.45
1	22	30	PHE	CB-CA-C	12.90	132.76	110.45
1	3M	30	PHE	CB-CA-C	12.90	132.76	110.45
1	36	30	PHE	CB-CA-C	12.90	132.76	110.45
1	4I	30	PHE	CB-CA-C	12.90	132.76	110.45
1	4Q	30	PHE	CB-CA-C	12.90	132.76	110.45
1	5Y	30	PHE	CB-CA-C	12.90	132.76	110.45
1	6E	30	PHE	CB-CA-C	12.90	132.76	110.45
1	6Y	30	PHE	CB-CA-C	12.90	132.76	110.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	30	PHE	CB-CA-C	12.90	132.76	110.45
1	7U	30	PHE	CB-CA-C	12.90	132.76	110.45
2	1B	74	TYR	CD1-CE1-CZ	12.89	142.81	119.60
2	1B	216	ASN	CA-C-O	12.89	136.40	120.54
2	1J	74	TYR	CD1-CE1-CZ	12.89	142.81	119.60
2	1J	216	ASN	CA-C-O	12.89	136.40	120.54
2	2F	74	TYR	CD1-CE1-CZ	12.89	142.81	119.60
2	2F	216	ASN	CA-C-O	12.89	136.40	120.54
2	27	74	TYR	CD1-CE1-CZ	12.89	142.81	119.60
2	27	216	ASN	CA-C-O	12.89	136.40	120.54
2	3F	74	TYR	CD1-CE1-CZ	12.89	142.81	119.60
2	3F	216	ASN	CA-C-O	12.89	136.40	120.54
2	4B	74	TYR	CD1-CE1-CZ	12.89	142.81	119.60
2	4B	216	ASN	CA-C-O	12.89	136.40	120.54
2	4N	74	TYR	CD1-CE1-CZ	12.89	142.81	119.60
2	4N	216	ASN	CA-C-O	12.89	136.40	120.54
2	4V	74	TYR	CD1-CE1-CZ	12.89	142.81	119.60
2	4V	216	ASN	CA-C-O	12.89	136.40	120.54
2	5R	74	TYR	CD1-CE1-CZ	12.89	142.81	119.60
2	5R	216	ASN	CA-C-O	12.89	136.40	120.54
2	6J	74	TYR	CD1-CE1-CZ	12.89	142.81	119.60
2	6J	216	ASN	CA-C-O	12.89	136.40	120.54
2	6R	74	TYR	CD1-CE1-CZ	12.89	142.81	119.60
2	6R	216	ASN	CA-C-O	12.89	136.40	120.54
2	7N	74	TYR	CD1-CE1-CZ	12.89	142.81	119.60
2	7N	216	ASN	CA-C-O	12.89	136.40	120.54
2	1N	216	ASN	CA-C-O	12.89	136.39	120.54
2	1R	74	TYR	CD1-CE1-CZ	12.89	142.80	119.60
2	1V	74	TYR	CD1-CE1-CZ	12.89	142.80	119.60
2	1Z	74	TYR	CD1-CE1-CZ	12.89	142.80	119.60
2	13	216	ASN	CA-C-O	12.89	136.39	120.54
2	17	216	ASN	CA-C-O	12.89	136.39	120.54
2	2B	216	ASN	CA-C-O	12.89	136.39	120.54
2	2J	216	ASN	CA-C-O	12.89	136.39	120.54
2	2R	74	TYR	CD1-CE1-CZ	12.89	142.80	119.60
2	2V	74	TYR	CD1-CE1-CZ	12.89	142.80	119.60
2	2Z	74	TYR	CD1-CE1-CZ	12.89	142.80	119.60
2	3B	216	ASN	CA-C-O	12.89	136.39	120.54
2	3J	216	ASN	CA-C-O	12.89	136.39	120.54
2	3R	216	ASN	CA-C-O	12.89	136.39	120.54
2	3V	216	ASN	CA-C-O	12.89	136.39	120.54
2	3Z	216	ASN	CA-C-O	12.89	136.39	120.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	216	ASN	CA-C-O	12.89	136.39	120.54
2	4F	216	ASN	CA-C-O	12.89	136.39	120.54
2	4Z	216	ASN	CA-C-O	12.89	136.39	120.54
2	43	74	TYR	CD1-CE1-CZ	12.89	142.80	119.60
2	47	74	TYR	CD1-CE1-CZ	12.89	142.80	119.60
2	5B	74	TYR	CD1-CE1-CZ	12.89	142.80	119.60
2	5F	216	ASN	CA-C-O	12.89	136.39	120.54
2	5J	216	ASN	CA-C-O	12.89	136.39	120.54
2	5N	216	ASN	CA-C-O	12.89	136.39	120.54
2	5V	216	ASN	CA-C-O	12.89	136.39	120.54
2	53	74	TYR	CD1-CE1-CZ	12.89	142.80	119.60
2	57	74	TYR	CD1-CE1-CZ	12.89	142.80	119.60
2	6B	74	TYR	CD1-CE1-CZ	12.89	142.80	119.60
2	6N	216	ASN	CA-C-O	12.89	136.39	120.54
2	6V	216	ASN	CA-C-O	12.89	136.39	120.54
2	63	216	ASN	CA-C-O	12.89	136.39	120.54
2	67	216	ASN	CA-C-O	12.89	136.39	120.54
2	7B	216	ASN	CA-C-O	12.89	136.39	120.54
2	7F	216	ASN	CA-C-O	12.89	136.39	120.54
2	7R	216	ASN	CA-C-O	12.89	136.39	120.54
2	1N	59	VAL	N-CA-CB	12.89	135.30	110.95
2	13	59	VAL	N-CA-CB	12.88	135.30	110.95
2	17	59	VAL	N-CA-CB	12.88	135.30	110.95
2	2B	59	VAL	N-CA-CB	12.88	135.30	110.95
2	2J	59	VAL	N-CA-CB	12.89	135.30	110.95
2	3B	59	VAL	N-CA-CB	12.89	135.30	110.95
2	3J	59	VAL	N-CA-CB	12.89	135.30	110.95
2	3R	59	VAL	N-CA-CB	12.88	135.30	110.95
2	3V	59	VAL	N-CA-CB	12.88	135.30	110.95
2	3Z	59	VAL	N-CA-CB	12.88	135.30	110.95
2	33	59	VAL	N-CA-CB	12.89	135.30	110.95
2	4F	59	VAL	N-CA-CB	12.89	135.30	110.95
2	4Z	59	VAL	N-CA-CB	12.89	135.30	110.95
2	5F	59	VAL	N-CA-CB	12.88	135.30	110.95
2	5J	59	VAL	N-CA-CB	12.88	135.30	110.95
2	5N	59	VAL	N-CA-CB	12.88	135.30	110.95
2	5V	59	VAL	N-CA-CB	12.89	135.30	110.95
2	6N	59	VAL	N-CA-CB	12.89	135.30	110.95
2	6V	59	VAL	N-CA-CB	12.89	135.30	110.95
2	63	59	VAL	N-CA-CB	12.88	135.30	110.95
2	67	59	VAL	N-CA-CB	12.88	135.30	110.95
2	7B	59	VAL	N-CA-CB	12.88	135.30	110.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	59	VAL	N-CA-CB	12.89	135.30	110.95
2	7R	59	VAL	N-CA-CB	12.89	135.30	110.95
1	1Q	95	THR	CA-CB-CG2	12.88	132.40	110.50
1	1U	95	THR	CA-CB-CG2	12.88	132.40	110.50
1	1Y	95	THR	CA-CB-CG2	12.88	132.40	110.50
1	2Q	95	THR	CA-CB-CG2	12.88	132.40	110.50
1	2U	95	THR	CA-CB-CG2	12.88	132.40	110.50
1	2Y	95	THR	CA-CB-CG2	12.88	132.40	110.50
1	42	95	THR	CA-CB-CG2	12.88	132.40	110.50
1	46	95	THR	CA-CB-CG2	12.88	132.40	110.50
1	5A	95	THR	CA-CB-CG2	12.88	132.40	110.50
1	52	95	THR	CA-CB-CG2	12.88	132.40	110.50
1	56	95	THR	CA-CB-CG2	12.88	132.40	110.50
1	6A	95	THR	CA-CB-CG2	12.88	132.40	110.50
2	1F	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	1R	59	VAL	N-CA-CB	12.88	135.29	110.95
2	1V	59	VAL	N-CA-CB	12.88	135.29	110.95
2	1Z	59	VAL	N-CA-CB	12.88	135.29	110.95
2	1N	16	ASN	OD1-CG-ND2	-12.88	109.72	122.60
2	13	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	17	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	2B	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	2N	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	2R	59	VAL	N-CA-CB	12.88	135.29	110.95
2	2V	59	VAL	N-CA-CB	12.88	135.29	110.95
2	2Z	59	VAL	N-CA-CB	12.88	135.29	110.95
2	23	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	3N	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	37	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	4J	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	4R	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	47	59	VAL	N-CA-CB	12.88	135.29	110.95
2	2J	16	ASN	OD1-CG-ND2	-12.88	109.72	122.60
2	3B	16	ASN	OD1-CG-ND2	-12.88	109.72	122.60
2	3J	16	ASN	OD1-CG-ND2	-12.88	109.72	122.60
2	3R	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	3V	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	3Z	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	43	59	VAL	N-CA-CB	12.88	135.29	110.95
2	5B	59	VAL	N-CA-CB	12.88	135.29	110.95
2	33	16	ASN	OD1-CG-ND2	-12.88	109.72	122.60
2	4F	16	ASN	OD1-CG-ND2	-12.88	109.72	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4Z	16	ASN	OD1-CG-ND2	-12.88	109.72	122.60
2	5F	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	5J	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	5N	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	5Z	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	53	59	VAL	N-CA-CB	12.88	135.29	110.95
2	57	59	VAL	N-CA-CB	12.88	135.29	110.95
2	6B	59	VAL	N-CA-CB	12.88	135.29	110.95
2	6F	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	6Z	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	7J	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	7V	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	5V	16	ASN	OD1-CG-ND2	-12.88	109.72	122.60
2	6N	16	ASN	OD1-CG-ND2	-12.88	109.72	122.60
2	6V	16	ASN	OD1-CG-ND2	-12.88	109.72	122.60
2	63	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	67	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	7B	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	7F	16	ASN	OD1-CG-ND2	-12.88	109.72	122.60
2	7R	16	ASN	OD1-CG-ND2	-12.88	109.72	122.60
2	1N	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	2J	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	3B	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	3J	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	33	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	4F	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	4Z	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	5V	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	6N	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	6V	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	7F	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	7R	74	TYR	CD1-CE1-CZ	12.88	142.78	119.60
2	1B	59	VAL	N-CA-CB	12.87	135.27	110.95
2	1J	59	VAL	N-CA-CB	12.87	135.27	110.95
2	2F	59	VAL	N-CA-CB	12.87	135.27	110.95
2	27	59	VAL	N-CA-CB	12.87	135.27	110.95
2	3F	59	VAL	N-CA-CB	12.87	135.27	110.95
2	4B	59	VAL	N-CA-CB	12.87	135.27	110.95
2	4N	59	VAL	N-CA-CB	12.87	135.27	110.95
2	4V	59	VAL	N-CA-CB	12.87	135.27	110.95
2	5R	59	VAL	N-CA-CB	12.87	135.27	110.95
2	6J	59	VAL	N-CA-CB	12.87	135.27	110.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	59	VAL	N-CA-CB	12.87	135.27	110.95
2	7N	59	VAL	N-CA-CB	12.87	135.27	110.95
1	1E	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	12	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	16	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	2A	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	2M	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	22	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	3M	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	3Q	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	3U	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	3Y	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	36	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	4I	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	4Q	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	5E	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	5I	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	5M	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	5Y	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	6E	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	6Y	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	62	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	66	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	7A	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	7I	95	THR	CA-CB-CG2	12.86	132.37	110.50
1	7U	95	THR	CA-CB-CG2	12.86	132.37	110.50
2	1F	59	VAL	N-CA-CB	12.86	135.26	110.95
2	2N	59	VAL	N-CA-CB	12.86	135.26	110.95
2	23	59	VAL	N-CA-CB	12.86	135.26	110.95
2	3N	59	VAL	N-CA-CB	12.86	135.26	110.95
2	37	59	VAL	N-CA-CB	12.86	135.26	110.95
2	4J	59	VAL	N-CA-CB	12.86	135.26	110.95
2	4R	59	VAL	N-CA-CB	12.86	135.26	110.95
2	5Z	59	VAL	N-CA-CB	12.86	135.26	110.95
2	6F	59	VAL	N-CA-CB	12.86	135.26	110.95
2	6Z	59	VAL	N-CA-CB	12.86	135.26	110.95
2	7J	59	VAL	N-CA-CB	12.86	135.26	110.95
2	7V	59	VAL	N-CA-CB	12.86	135.26	110.95
1	1A	95	THR	CA-CB-CG2	12.86	132.36	110.50
1	1I	95	THR	CA-CB-CG2	12.86	132.36	110.50
1	2E	95	THR	CA-CB-CG2	12.86	132.36	110.50
1	26	95	THR	CA-CB-CG2	12.86	132.36	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	95	THR	CA-CB-CG2	12.86	132.36	110.50
1	4A	95	THR	CA-CB-CG2	12.86	132.36	110.50
1	4M	95	THR	CA-CB-CG2	12.86	132.36	110.50
1	4U	95	THR	CA-CB-CG2	12.86	132.36	110.50
1	5Q	95	THR	CA-CB-CG2	12.86	132.36	110.50
1	6I	95	THR	CA-CB-CG2	12.86	132.36	110.50
1	6Q	95	THR	CA-CB-CG2	12.86	132.36	110.50
1	7M	95	THR	CA-CB-CG2	12.86	132.36	110.50
2	1R	21	THR	CB-CA-C	12.85	137.29	111.60
2	1V	21	THR	CB-CA-C	12.85	137.29	111.60
2	1Z	21	THR	CB-CA-C	12.85	137.29	111.60
2	2V	21	THR	CB-CA-C	12.85	137.29	111.60
2	47	21	THR	CB-CA-C	12.85	137.29	111.60
2	53	21	THR	CB-CA-C	12.85	137.29	111.60
2	1F	40	ASN	CA-C-N	-12.85	103.07	120.28
2	1F	40	ASN	C-N-CA	-12.85	103.07	120.28
1	1M	22	HIS	CB-CG-ND1	-12.85	103.43	122.70
1	2I	22	HIS	CB-CG-ND1	-12.85	103.43	122.70
2	2R	21	THR	CB-CA-C	12.85	137.29	111.60
2	2Z	21	THR	CB-CA-C	12.85	137.29	111.60
2	43	21	THR	CB-CA-C	12.85	137.29	111.60
2	57	21	THR	CB-CA-C	12.85	137.29	111.60
2	2N	40	ASN	CA-C-N	-12.85	103.07	120.28
2	2N	40	ASN	C-N-CA	-12.85	103.07	120.28
2	23	40	ASN	CA-C-N	-12.85	103.07	120.28
2	23	40	ASN	C-N-CA	-12.85	103.07	120.28
1	3A	22	HIS	CB-CG-ND1	-12.85	103.43	122.70
1	3I	22	HIS	CB-CG-ND1	-12.85	103.43	122.70
2	6B	21	THR	CB-CA-C	12.85	137.29	111.60
2	3N	40	ASN	CA-C-N	-12.85	103.07	120.28
2	3N	40	ASN	C-N-CA	-12.85	103.07	120.28
1	32	22	HIS	CB-CG-ND1	-12.85	103.43	122.70
2	37	40	ASN	CA-C-N	-12.85	103.07	120.28
2	37	40	ASN	C-N-CA	-12.85	103.07	120.28
1	4E	22	HIS	CB-CG-ND1	-12.85	103.43	122.70
2	5B	21	THR	CB-CA-C	12.85	137.29	111.60
2	4J	40	ASN	CA-C-N	-12.85	103.07	120.28
2	4J	40	ASN	C-N-CA	-12.85	103.07	120.28
2	4R	40	ASN	CA-C-N	-12.85	103.07	120.28
2	4R	40	ASN	C-N-CA	-12.85	103.07	120.28
1	4Y	22	HIS	CB-CG-ND1	-12.85	103.43	122.70
1	5U	22	HIS	CB-CG-ND1	-12.85	103.43	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5Z	40	ASN	CA-C-N	-12.85	103.07	120.28
2	5Z	40	ASN	C-N-CA	-12.85	103.07	120.28
2	6F	40	ASN	CA-C-N	-12.85	103.07	120.28
2	6F	40	ASN	C-N-CA	-12.85	103.07	120.28
1	6M	22	HIS	CB-CG-ND1	-12.85	103.43	122.70
1	6U	22	HIS	CB-CG-ND1	-12.85	103.43	122.70
2	6Z	40	ASN	CA-C-N	-12.85	103.07	120.28
2	6Z	40	ASN	C-N-CA	-12.85	103.07	120.28
1	7E	22	HIS	CB-CG-ND1	-12.85	103.43	122.70
2	7J	40	ASN	CA-C-N	-12.85	103.07	120.28
2	7J	40	ASN	C-N-CA	-12.85	103.07	120.28
1	7Q	22	HIS	CB-CG-ND1	-12.85	103.43	122.70
2	7V	40	ASN	CA-C-N	-12.85	103.07	120.28
2	7V	40	ASN	C-N-CA	-12.85	103.07	120.28
1	1E	22	HIS	CB-CG-ND1	-12.84	103.43	122.70
1	36	22	HIS	CB-CG-ND1	-12.84	103.43	122.70
1	1M	95	THR	CA-CB-CG2	12.84	132.33	110.50
2	1N	21	THR	CB-CA-C	12.84	137.28	111.60
1	2M	22	HIS	CB-CG-ND1	-12.84	103.43	122.70
1	22	22	HIS	CB-CG-ND1	-12.84	103.43	122.70
1	3M	22	HIS	CB-CG-ND1	-12.84	103.43	122.70
1	7I	22	HIS	CB-CG-ND1	-12.84	103.43	122.70
1	1Q	22	HIS	CB-CG-ND1	-12.84	103.44	122.70
1	1U	22	HIS	CB-CG-ND1	-12.84	103.44	122.70
1	1Y	22	HIS	CB-CG-ND1	-12.84	103.44	122.70
1	2I	95	THR	CA-CB-CG2	12.84	132.33	110.50
2	2J	21	THR	CB-CA-C	12.84	137.28	111.60
1	2Q	22	HIS	CB-CG-ND1	-12.84	103.44	122.70
1	2U	22	HIS	CB-CG-ND1	-12.84	103.44	122.70
1	2Y	22	HIS	CB-CG-ND1	-12.84	103.44	122.70
1	3A	95	THR	CA-CB-CG2	12.84	132.33	110.50
2	3B	21	THR	CB-CA-C	12.84	137.28	111.60
1	3I	95	THR	CA-CB-CG2	12.84	132.33	110.50
2	3J	21	THR	CB-CA-C	12.84	137.28	111.60
1	32	95	THR	CA-CB-CG2	12.84	132.33	110.50
2	33	21	THR	CB-CA-C	12.84	137.28	111.60
1	4E	95	THR	CA-CB-CG2	12.84	132.33	110.50
2	4F	21	THR	CB-CA-C	12.84	137.28	111.60
1	4I	22	HIS	CB-CG-ND1	-12.84	103.43	122.70
1	4Q	22	HIS	CB-CG-ND1	-12.84	103.43	122.70
1	4Y	95	THR	CA-CB-CG2	12.84	132.33	110.50
2	4Z	21	THR	CB-CA-C	12.84	137.28	111.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	22	HIS	CB-CG-ND1	-12.84	103.43	122.70
1	6E	22	HIS	CB-CG-ND1	-12.84	103.43	122.70
1	6Y	22	HIS	CB-CG-ND1	-12.84	103.43	122.70
1	42	22	HIS	CB-CG-ND1	-12.84	103.44	122.70
1	46	22	HIS	CB-CG-ND1	-12.84	103.44	122.70
1	5A	22	HIS	CB-CG-ND1	-12.84	103.44	122.70
1	5U	95	THR	CA-CB-CG2	12.84	132.33	110.50
2	5V	21	THR	CB-CA-C	12.84	137.28	111.60
1	52	22	HIS	CB-CG-ND1	-12.84	103.44	122.70
1	56	22	HIS	CB-CG-ND1	-12.84	103.44	122.70
1	6A	22	HIS	CB-CG-ND1	-12.84	103.44	122.70
1	6M	95	THR	CA-CB-CG2	12.84	132.33	110.50
2	6N	21	THR	CB-CA-C	12.84	137.28	111.60
1	6U	95	THR	CA-CB-CG2	12.84	132.33	110.50
2	6V	21	THR	CB-CA-C	12.84	137.28	111.60
1	7E	95	THR	CA-CB-CG2	12.84	132.33	110.50
2	7F	21	THR	CB-CA-C	12.84	137.28	111.60
1	7Q	95	THR	CA-CB-CG2	12.84	132.33	110.50
2	7R	21	THR	CB-CA-C	12.84	137.28	111.60
1	7U	22	HIS	CB-CG-ND1	-12.84	103.43	122.70
2	1F	21	THR	CB-CA-C	12.84	137.28	111.60
2	2N	21	THR	CB-CA-C	12.84	137.28	111.60
2	23	21	THR	CB-CA-C	12.84	137.28	111.60
2	3N	21	THR	CB-CA-C	12.84	137.28	111.60
2	37	21	THR	CB-CA-C	12.84	137.28	111.60
2	4J	21	THR	CB-CA-C	12.84	137.28	111.60
2	4R	21	THR	CB-CA-C	12.84	137.28	111.60
2	5Z	21	THR	CB-CA-C	12.84	137.28	111.60
2	6F	21	THR	CB-CA-C	12.84	137.28	111.60
2	6Z	21	THR	CB-CA-C	12.84	137.28	111.60
2	7J	21	THR	CB-CA-C	12.84	137.28	111.60
2	7V	21	THR	CB-CA-C	12.84	137.28	111.60
2	1R	40	ASN	CA-C-N	-12.84	103.08	120.28
2	1R	40	ASN	C-N-CA	-12.84	103.08	120.28
2	1V	40	ASN	CA-C-N	-12.84	103.08	120.28
2	1V	40	ASN	C-N-CA	-12.84	103.08	120.28
2	1Z	40	ASN	CA-C-N	-12.84	103.08	120.28
2	1Z	40	ASN	C-N-CA	-12.84	103.08	120.28
2	2R	40	ASN	CA-C-N	-12.84	103.08	120.28
2	2R	40	ASN	C-N-CA	-12.84	103.08	120.28
2	2V	40	ASN	CA-C-N	-12.84	103.08	120.28
2	2V	40	ASN	C-N-CA	-12.84	103.08	120.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2Z	40	ASN	CA-C-N	-12.84	103.08	120.28
2	2Z	40	ASN	C-N-CA	-12.84	103.08	120.28
2	43	40	ASN	CA-C-N	-12.84	103.08	120.28
2	43	40	ASN	C-N-CA	-12.84	103.08	120.28
2	47	40	ASN	CA-C-N	-12.84	103.08	120.28
2	47	40	ASN	C-N-CA	-12.84	103.08	120.28
2	5B	40	ASN	CA-C-N	-12.84	103.08	120.28
2	5B	40	ASN	C-N-CA	-12.84	103.08	120.28
2	53	40	ASN	CA-C-N	-12.84	103.08	120.28
2	53	40	ASN	C-N-CA	-12.84	103.08	120.28
2	57	40	ASN	CA-C-N	-12.84	103.08	120.28
2	57	40	ASN	C-N-CA	-12.84	103.08	120.28
2	6B	40	ASN	CA-C-N	-12.84	103.08	120.28
2	6B	40	ASN	C-N-CA	-12.84	103.08	120.28
2	1B	40	ASN	CA-C-N	-12.84	103.08	120.28
2	1B	40	ASN	C-N-CA	-12.84	103.08	120.28
2	1J	40	ASN	CA-C-N	-12.84	103.08	120.28
2	1J	40	ASN	C-N-CA	-12.84	103.08	120.28
2	2F	40	ASN	CA-C-N	-12.84	103.08	120.28
2	2F	40	ASN	C-N-CA	-12.84	103.08	120.28
2	27	40	ASN	CA-C-N	-12.84	103.08	120.28
2	27	40	ASN	C-N-CA	-12.84	103.08	120.28
2	3F	40	ASN	CA-C-N	-12.84	103.08	120.28
2	3F	40	ASN	C-N-CA	-12.84	103.08	120.28
2	4B	40	ASN	CA-C-N	-12.84	103.08	120.28
2	4B	40	ASN	C-N-CA	-12.84	103.08	120.28
2	4N	40	ASN	CA-C-N	-12.84	103.08	120.28
2	4N	40	ASN	C-N-CA	-12.84	103.08	120.28
2	4V	40	ASN	CA-C-N	-12.84	103.08	120.28
2	4V	40	ASN	C-N-CA	-12.84	103.08	120.28
2	5R	40	ASN	CA-C-N	-12.84	103.08	120.28
2	5R	40	ASN	C-N-CA	-12.84	103.08	120.28
2	6J	40	ASN	CA-C-N	-12.84	103.08	120.28
2	6J	40	ASN	C-N-CA	-12.84	103.08	120.28
2	6R	40	ASN	CA-C-N	-12.84	103.08	120.28
2	6R	40	ASN	C-N-CA	-12.84	103.08	120.28
2	7N	40	ASN	CA-C-N	-12.84	103.08	120.28
2	7N	40	ASN	C-N-CA	-12.84	103.08	120.28
1	1Q	65	PHE	CZ-CE2-CD2	12.83	143.10	120.00
1	1U	65	PHE	CZ-CE2-CD2	12.83	143.10	120.00
1	1Y	65	PHE	CZ-CE2-CD2	12.83	143.10	120.00
1	2Q	65	PHE	CZ-CE2-CD2	12.83	143.10	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	65	PHE	CZ-CE2-CD2	12.83	143.10	120.00
1	2Y	65	PHE	CZ-CE2-CD2	12.83	143.10	120.00
1	42	65	PHE	CZ-CE2-CD2	12.83	143.10	120.00
1	46	65	PHE	CZ-CE2-CD2	12.83	143.10	120.00
1	5A	65	PHE	CZ-CE2-CD2	12.83	143.10	120.00
1	52	65	PHE	CZ-CE2-CD2	12.83	143.10	120.00
1	56	65	PHE	CZ-CE2-CD2	12.83	143.10	120.00
1	6A	65	PHE	CZ-CE2-CD2	12.83	143.10	120.00
1	1A	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
1	1E	65	PHE	CZ-CE2-CD2	12.83	143.09	120.00
1	1I	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
1	12	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
2	13	21	THR	CB-CA-C	12.83	137.26	111.60
1	16	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
2	17	21	THR	CB-CA-C	12.83	137.26	111.60
1	2A	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
2	2B	21	THR	CB-CA-C	12.83	137.26	111.60
1	2E	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
1	2M	65	PHE	CZ-CE2-CD2	12.83	143.09	120.00
1	22	65	PHE	CZ-CE2-CD2	12.83	143.09	120.00
1	26	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
1	3E	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
1	3M	65	PHE	CZ-CE2-CD2	12.83	143.09	120.00
1	3Q	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
2	3R	21	THR	CB-CA-C	12.83	137.26	111.60
1	3U	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
2	3V	21	THR	CB-CA-C	12.83	137.26	111.60
1	3Y	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
2	3Z	21	THR	CB-CA-C	12.83	137.26	111.60
1	36	65	PHE	CZ-CE2-CD2	12.83	143.09	120.00
1	4A	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
1	4I	65	PHE	CZ-CE2-CD2	12.83	143.09	120.00
1	4M	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
1	4Q	65	PHE	CZ-CE2-CD2	12.83	143.09	120.00
1	4U	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
1	5E	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
2	5F	21	THR	CB-CA-C	12.83	137.26	111.60
1	5I	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
2	5J	21	THR	CB-CA-C	12.83	137.26	111.60
1	5M	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
2	5N	21	THR	CB-CA-C	12.83	137.26	111.60
1	5Q	22	HIS	CB-CG-ND1	-12.83	103.46	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	65	PHE	CZ-CE2-CD2	12.83	143.09	120.00
1	6E	65	PHE	CZ-CE2-CD2	12.83	143.09	120.00
1	6I	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
1	6Q	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
1	6Y	65	PHE	CZ-CE2-CD2	12.83	143.09	120.00
1	62	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
2	63	21	THR	CB-CA-C	12.83	137.26	111.60
1	66	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
2	67	21	THR	CB-CA-C	12.83	137.26	111.60
1	7A	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
2	7B	21	THR	CB-CA-C	12.83	137.26	111.60
1	7I	65	PHE	CZ-CE2-CD2	12.83	143.09	120.00
1	7M	22	HIS	CB-CG-ND1	-12.83	103.46	122.70
1	7U	65	PHE	CZ-CE2-CD2	12.83	143.09	120.00
2	1R	14	THR	CA-C-O	12.83	138.85	120.51
2	1V	14	THR	CA-C-O	12.83	138.85	120.51
2	1Z	14	THR	CA-C-O	12.83	138.85	120.51
2	2R	14	THR	CA-C-O	12.83	138.85	120.51
2	2V	14	THR	CA-C-O	12.83	138.85	120.51
2	2Z	14	THR	CA-C-O	12.83	138.85	120.51
2	43	14	THR	CA-C-O	12.83	138.85	120.51
2	47	14	THR	CA-C-O	12.83	138.85	120.51
2	5B	14	THR	CA-C-O	12.83	138.85	120.51
2	53	14	THR	CA-C-O	12.83	138.85	120.51
2	57	14	THR	CA-C-O	12.83	138.85	120.51
2	6B	14	THR	CA-C-O	12.83	138.85	120.51
1	1A	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
2	1B	21	THR	CB-CA-C	12.82	137.25	111.60
1	1I	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
2	1J	21	THR	CB-CA-C	12.82	137.25	111.60
1	1M	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	12	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	16	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	2A	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	2E	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
2	2F	21	THR	CB-CA-C	12.82	137.25	111.60
1	2I	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	26	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
2	27	21	THR	CB-CA-C	12.82	137.25	111.60
1	3A	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	3E	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
2	3F	21	THR	CB-CA-C	12.82	137.25	111.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3I	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	3Q	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	3U	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	3Y	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	32	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	4A	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
2	4B	21	THR	CB-CA-C	12.82	137.25	111.60
1	4E	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	4M	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
2	4N	21	THR	CB-CA-C	12.82	137.25	111.60
1	4U	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
2	4V	21	THR	CB-CA-C	12.82	137.25	111.60
1	4Y	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	5E	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	5I	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	5M	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	5Q	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
2	5R	21	THR	CB-CA-C	12.82	137.25	111.60
1	5U	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	6I	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
2	6J	21	THR	CB-CA-C	12.82	137.25	111.60
1	6M	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	6Q	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
2	6R	21	THR	CB-CA-C	12.82	137.25	111.60
1	6U	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	62	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	66	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	7A	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	7E	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
1	7M	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
2	7N	21	THR	CB-CA-C	12.82	137.25	111.60
1	7Q	65	PHE	CZ-CE2-CD2	12.82	143.08	120.00
2	1F	14	THR	CA-C-O	12.82	138.84	120.51
2	13	40	ASN	CA-C-N	-12.82	103.10	120.28
2	13	40	ASN	C-N-CA	-12.82	103.10	120.28
2	17	40	ASN	CA-C-N	-12.82	103.10	120.28
2	17	40	ASN	C-N-CA	-12.82	103.10	120.28
2	2B	40	ASN	CA-C-N	-12.82	103.10	120.28
2	2B	40	ASN	C-N-CA	-12.82	103.10	120.28
2	2N	14	THR	CA-C-O	12.82	138.84	120.51
2	23	14	THR	CA-C-O	12.82	138.84	120.51
2	3N	14	THR	CA-C-O	12.82	138.84	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3R	40	ASN	CA-C-N	-12.82	103.10	120.28
2	3R	40	ASN	C-N-CA	-12.82	103.10	120.28
2	3V	40	ASN	CA-C-N	-12.82	103.10	120.28
2	3V	40	ASN	C-N-CA	-12.82	103.10	120.28
2	3Z	40	ASN	CA-C-N	-12.82	103.10	120.28
2	3Z	40	ASN	C-N-CA	-12.82	103.10	120.28
2	37	14	THR	CA-C-O	12.82	138.84	120.51
2	4J	14	THR	CA-C-O	12.82	138.84	120.51
2	4R	14	THR	CA-C-O	12.82	138.84	120.51
2	5F	40	ASN	CA-C-N	-12.82	103.10	120.28
2	5F	40	ASN	C-N-CA	-12.82	103.10	120.28
2	5J	40	ASN	CA-C-N	-12.82	103.10	120.28
2	5J	40	ASN	C-N-CA	-12.82	103.10	120.28
2	5N	40	ASN	CA-C-N	-12.82	103.10	120.28
2	5N	40	ASN	C-N-CA	-12.82	103.10	120.28
2	5Z	14	THR	CA-C-O	12.82	138.84	120.51
2	6F	14	THR	CA-C-O	12.82	138.84	120.51
2	6Z	14	THR	CA-C-O	12.82	138.84	120.51
2	63	40	ASN	CA-C-N	-12.82	103.10	120.28
2	63	40	ASN	C-N-CA	-12.82	103.10	120.28
2	67	40	ASN	CA-C-N	-12.82	103.10	120.28
2	67	40	ASN	C-N-CA	-12.82	103.10	120.28
2	7B	40	ASN	CA-C-N	-12.82	103.10	120.28
2	7B	40	ASN	C-N-CA	-12.82	103.10	120.28
2	7J	14	THR	CA-C-O	12.82	138.84	120.51
2	7V	14	THR	CA-C-O	12.82	138.84	120.51
2	1N	40	ASN	CA-C-N	-12.82	103.11	120.28
2	1N	40	ASN	C-N-CA	-12.82	103.11	120.28
2	2J	40	ASN	CA-C-N	-12.82	103.11	120.28
2	2J	40	ASN	C-N-CA	-12.82	103.11	120.28
2	3B	40	ASN	CA-C-N	-12.82	103.11	120.28
2	3B	40	ASN	C-N-CA	-12.82	103.11	120.28
2	3J	40	ASN	CA-C-N	-12.82	103.11	120.28
2	3J	40	ASN	C-N-CA	-12.82	103.11	120.28
2	33	40	ASN	CA-C-N	-12.82	103.11	120.28
2	33	40	ASN	C-N-CA	-12.82	103.11	120.28
2	4F	40	ASN	CA-C-N	-12.82	103.11	120.28
2	4F	40	ASN	C-N-CA	-12.82	103.11	120.28
2	4Z	40	ASN	CA-C-N	-12.82	103.11	120.28
2	4Z	40	ASN	C-N-CA	-12.82	103.11	120.28
2	5V	40	ASN	CA-C-N	-12.82	103.11	120.28
2	5V	40	ASN	C-N-CA	-12.82	103.11	120.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6N	40	ASN	CA-C-N	-12.82	103.11	120.28
2	6N	40	ASN	C-N-CA	-12.82	103.11	120.28
2	6V	40	ASN	CA-C-N	-12.82	103.11	120.28
2	6V	40	ASN	C-N-CA	-12.82	103.11	120.28
2	7F	40	ASN	CA-C-N	-12.82	103.11	120.28
2	7F	40	ASN	C-N-CA	-12.82	103.11	120.28
2	7R	40	ASN	CA-C-N	-12.82	103.11	120.28
2	7R	40	ASN	C-N-CA	-12.82	103.11	120.28
2	1B	14	THR	CA-C-O	12.80	138.81	120.51
2	1J	14	THR	CA-C-O	12.80	138.81	120.51
2	2F	14	THR	CA-C-O	12.80	138.81	120.51
2	27	14	THR	CA-C-O	12.80	138.81	120.51
2	3F	14	THR	CA-C-O	12.80	138.81	120.51
2	4B	14	THR	CA-C-O	12.80	138.81	120.51
2	4N	14	THR	CA-C-O	12.80	138.81	120.51
2	4V	14	THR	CA-C-O	12.80	138.81	120.51
2	5R	14	THR	CA-C-O	12.80	138.81	120.51
2	6J	14	THR	CA-C-O	12.80	138.81	120.51
2	6R	14	THR	CA-C-O	12.80	138.81	120.51
2	7N	14	THR	CA-C-O	12.80	138.81	120.51
1	1E	30	PHE	CA-C-O	-12.80	105.64	121.89
1	2M	30	PHE	CA-C-O	-12.80	105.64	121.89
1	22	30	PHE	CA-C-O	-12.80	105.64	121.89
1	3M	30	PHE	CA-C-O	-12.80	105.64	121.89
1	36	30	PHE	CA-C-O	-12.80	105.64	121.89
1	4I	30	PHE	CA-C-O	-12.80	105.64	121.89
1	4Q	30	PHE	CA-C-O	-12.80	105.64	121.89
1	5Y	30	PHE	CA-C-O	-12.80	105.64	121.89
1	6E	30	PHE	CA-C-O	-12.80	105.64	121.89
1	6Y	30	PHE	CA-C-O	-12.80	105.64	121.89
1	7I	30	PHE	CA-C-O	-12.80	105.64	121.89
1	7U	30	PHE	CA-C-O	-12.80	105.64	121.89
2	1R	35	PHE	N-CA-CB	12.78	129.84	110.42
2	1V	35	PHE	N-CA-CB	12.78	129.84	110.42
2	1Z	35	PHE	N-CA-CB	12.78	129.84	110.42
2	2R	35	PHE	N-CA-CB	12.78	129.84	110.42
2	2V	35	PHE	N-CA-CB	12.78	129.84	110.42
2	2Z	35	PHE	N-CA-CB	12.78	129.84	110.42
2	43	35	PHE	N-CA-CB	12.78	129.84	110.42
2	47	35	PHE	N-CA-CB	12.78	129.84	110.42
2	5B	35	PHE	N-CA-CB	12.78	129.84	110.42
2	53	35	PHE	N-CA-CB	12.78	129.84	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	35	PHE	N-CA-CB	12.78	129.84	110.42
2	6B	35	PHE	N-CA-CB	12.78	129.84	110.42
1	1A	30	PHE	CA-C-O	-12.78	105.66	121.89
1	1I	30	PHE	CA-C-O	-12.78	105.66	121.89
1	1M	30	PHE	CA-C-O	-12.78	105.66	121.89
1	2E	30	PHE	CA-C-O	-12.78	105.66	121.89
1	2I	30	PHE	CA-C-O	-12.78	105.66	121.89
1	26	30	PHE	CA-C-O	-12.78	105.66	121.89
1	3A	30	PHE	CA-C-O	-12.78	105.66	121.89
1	3E	30	PHE	CA-C-O	-12.78	105.66	121.89
1	3I	30	PHE	CA-C-O	-12.78	105.66	121.89
1	32	30	PHE	CA-C-O	-12.78	105.66	121.89
1	4A	30	PHE	CA-C-O	-12.78	105.66	121.89
1	4E	30	PHE	CA-C-O	-12.78	105.66	121.89
1	4M	30	PHE	CA-C-O	-12.78	105.66	121.89
1	4U	30	PHE	CA-C-O	-12.78	105.66	121.89
1	4Y	30	PHE	CA-C-O	-12.78	105.66	121.89
1	5Q	30	PHE	CA-C-O	-12.78	105.66	121.89
1	5U	30	PHE	CA-C-O	-12.78	105.66	121.89
1	6I	30	PHE	CA-C-O	-12.78	105.66	121.89
1	6M	30	PHE	CA-C-O	-12.78	105.66	121.89
1	6Q	30	PHE	CA-C-O	-12.78	105.66	121.89
1	6U	30	PHE	CA-C-O	-12.78	105.66	121.89
1	7E	30	PHE	CA-C-O	-12.78	105.66	121.89
1	7M	30	PHE	CA-C-O	-12.78	105.66	121.89
1	7Q	30	PHE	CA-C-O	-12.78	105.66	121.89
1	1Q	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	1U	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	1Y	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	12	30	PHE	CA-C-O	-12.77	105.67	121.89
1	16	30	PHE	CA-C-O	-12.77	105.67	121.89
1	2A	30	PHE	CA-C-O	-12.77	105.67	121.89
1	3Q	30	PHE	CA-C-O	-12.77	105.67	121.89
1	3U	30	PHE	CA-C-O	-12.77	105.67	121.89
1	1A	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	1I	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	12	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	16	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	2A	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	2Q	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	2U	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	2Y	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Y	30	PHE	CA-C-O	-12.77	105.67	121.89
1	42	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	46	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	5E	30	PHE	CA-C-O	-12.77	105.67	121.89
1	5I	30	PHE	CA-C-O	-12.77	105.67	121.89
1	56	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	66	30	PHE	CA-C-O	-12.77	105.67	121.89
1	7A	30	PHE	CA-C-O	-12.77	105.67	121.89
1	2E	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	26	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	3E	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	3Q	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	3U	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	3Y	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	5A	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	5M	30	PHE	CA-C-O	-12.77	105.67	121.89
1	4A	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	4M	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	4U	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	5E	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	5I	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	5M	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	52	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	6A	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	62	30	PHE	CA-C-O	-12.77	105.67	121.89
1	5Q	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	6I	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	6Q	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	62	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	66	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	7A	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
1	7M	80	PHE	CZ-CE2-CD2	-12.77	97.01	120.00
2	13	14	THR	CA-C-O	12.77	138.77	120.51
2	17	14	THR	CA-C-O	12.77	138.77	120.51
2	2B	14	THR	CA-C-O	12.77	138.77	120.51
2	3R	14	THR	CA-C-O	12.77	138.77	120.51
2	3V	14	THR	CA-C-O	12.77	138.77	120.51
2	3Z	14	THR	CA-C-O	12.77	138.77	120.51
2	5F	14	THR	CA-C-O	12.77	138.77	120.51
2	5J	14	THR	CA-C-O	12.77	138.77	120.51
2	5N	14	THR	CA-C-O	12.77	138.77	120.51
2	63	14	THR	CA-C-O	12.77	138.77	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	14	THR	CA-C-O	12.77	138.77	120.51
2	7B	14	THR	CA-C-O	12.77	138.77	120.51
2	1N	14	THR	CA-C-O	12.77	138.76	120.51
2	2J	14	THR	CA-C-O	12.77	138.76	120.51
2	3B	14	THR	CA-C-O	12.77	138.76	120.51
2	3J	14	THR	CA-C-O	12.77	138.76	120.51
2	33	14	THR	CA-C-O	12.77	138.76	120.51
2	4F	14	THR	CA-C-O	12.77	138.76	120.51
2	4Z	14	THR	CA-C-O	12.77	138.76	120.51
2	5V	14	THR	CA-C-O	12.77	138.76	120.51
2	6N	14	THR	CA-C-O	12.77	138.76	120.51
2	6V	14	THR	CA-C-O	12.77	138.76	120.51
2	7F	14	THR	CA-C-O	12.77	138.76	120.51
2	7R	14	THR	CA-C-O	12.77	138.76	120.51
1	1E	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	2M	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	22	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	3M	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	36	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	4I	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	4Q	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	5Y	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	6E	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	6Y	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	7I	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	7U	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	1M	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	2I	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	3A	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	3I	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	32	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	4E	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	4Y	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	5U	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	6M	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	6U	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	7E	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
1	7Q	80	PHE	CZ-CE2-CD2	-12.76	97.03	120.00
2	1B	222	GLN	CB-CA-C	-12.76	88.79	110.09
2	1J	222	GLN	CB-CA-C	-12.76	88.79	110.09
2	2F	222	GLN	CB-CA-C	-12.76	88.79	110.09
2	27	222	GLN	CB-CA-C	-12.76	88.79	110.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	222	GLN	CB-CA-C	-12.76	88.79	110.09
2	4B	222	GLN	CB-CA-C	-12.76	88.79	110.09
2	4N	222	GLN	CB-CA-C	-12.76	88.79	110.09
2	4V	222	GLN	CB-CA-C	-12.76	88.79	110.09
2	5R	222	GLN	CB-CA-C	-12.76	88.79	110.09
2	6J	222	GLN	CB-CA-C	-12.76	88.79	110.09
2	6R	222	GLN	CB-CA-C	-12.76	88.79	110.09
2	7N	222	GLN	CB-CA-C	-12.76	88.79	110.09
2	1N	35	PHE	N-CA-CB	12.76	129.81	110.42
2	2J	35	PHE	N-CA-CB	12.76	129.81	110.42
2	3B	35	PHE	N-CA-CB	12.76	129.81	110.42
2	3J	35	PHE	N-CA-CB	12.76	129.81	110.42
2	33	35	PHE	N-CA-CB	12.76	129.81	110.42
2	4F	35	PHE	N-CA-CB	12.76	129.81	110.42
2	4Z	35	PHE	N-CA-CB	12.76	129.81	110.42
2	5V	35	PHE	N-CA-CB	12.76	129.81	110.42
2	6N	35	PHE	N-CA-CB	12.76	129.81	110.42
2	6V	35	PHE	N-CA-CB	12.76	129.81	110.42
2	7F	35	PHE	N-CA-CB	12.76	129.81	110.42
2	7R	35	PHE	N-CA-CB	12.76	129.81	110.42
2	1F	222	GLN	CB-CA-C	-12.75	88.80	110.09
1	1Q	30	PHE	CA-C-O	-12.75	105.70	121.89
1	1U	30	PHE	CA-C-O	-12.75	105.70	121.89
1	1Y	30	PHE	CA-C-O	-12.75	105.70	121.89
2	13	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	17	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	2B	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	2N	222	GLN	CB-CA-C	-12.75	88.80	110.09
1	2Q	30	PHE	CA-C-O	-12.75	105.70	121.89
1	2U	30	PHE	CA-C-O	-12.75	105.70	121.89
1	2Y	30	PHE	CA-C-O	-12.75	105.70	121.89
2	23	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	3N	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	3R	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	3V	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	3Z	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	37	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	4J	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	4R	222	GLN	CB-CA-C	-12.75	88.80	110.09
1	42	30	PHE	CA-C-O	-12.75	105.70	121.89
1	46	30	PHE	CA-C-O	-12.75	105.70	121.89
1	5A	30	PHE	CA-C-O	-12.75	105.70	121.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5F	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	5J	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	5N	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	5Z	222	GLN	CB-CA-C	-12.75	88.80	110.09
1	52	30	PHE	CA-C-O	-12.75	105.70	121.89
1	56	30	PHE	CA-C-O	-12.75	105.70	121.89
1	6A	30	PHE	CA-C-O	-12.75	105.70	121.89
2	6F	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	6Z	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	63	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	67	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	7B	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	7J	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	7V	222	GLN	CB-CA-C	-12.75	88.80	110.09
2	1F	35	PHE	N-CA-CB	12.74	129.78	110.42
2	2N	35	PHE	N-CA-CB	12.74	129.78	110.42
2	23	35	PHE	N-CA-CB	12.74	129.78	110.42
2	3N	35	PHE	N-CA-CB	12.74	129.78	110.42
2	37	35	PHE	N-CA-CB	12.74	129.78	110.42
2	4J	35	PHE	N-CA-CB	12.74	129.78	110.42
2	4R	35	PHE	N-CA-CB	12.74	129.78	110.42
2	5Z	35	PHE	N-CA-CB	12.74	129.78	110.42
2	6F	35	PHE	N-CA-CB	12.74	129.78	110.42
2	6Z	35	PHE	N-CA-CB	12.74	129.78	110.42
2	7J	35	PHE	N-CA-CB	12.74	129.78	110.42
2	7V	35	PHE	N-CA-CB	12.74	129.78	110.42
2	1B	35	PHE	N-CA-CB	12.74	129.78	110.42
2	1J	35	PHE	N-CA-CB	12.74	129.78	110.42
2	2F	35	PHE	N-CA-CB	12.74	129.78	110.42
2	27	35	PHE	N-CA-CB	12.74	129.78	110.42
2	3F	35	PHE	N-CA-CB	12.74	129.78	110.42
2	4B	35	PHE	N-CA-CB	12.74	129.78	110.42
2	4N	35	PHE	N-CA-CB	12.74	129.78	110.42
2	4V	35	PHE	N-CA-CB	12.74	129.78	110.42
2	5R	35	PHE	N-CA-CB	12.74	129.78	110.42
2	6J	35	PHE	N-CA-CB	12.74	129.78	110.42
2	6R	35	PHE	N-CA-CB	12.74	129.78	110.42
2	7N	35	PHE	N-CA-CB	12.74	129.78	110.42
2	1R	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	1V	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	1Z	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	2R	222	GLN	CB-CA-C	-12.73	88.83	110.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	2Z	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	43	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	47	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	5B	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	53	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	57	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	6B	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	1N	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	13	35	PHE	N-CA-CB	12.73	129.77	110.42
2	17	35	PHE	N-CA-CB	12.73	129.77	110.42
2	2B	35	PHE	N-CA-CB	12.73	129.77	110.42
2	2J	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	3B	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	3J	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	3R	35	PHE	N-CA-CB	12.73	129.77	110.42
2	3V	35	PHE	N-CA-CB	12.73	129.77	110.42
2	3Z	35	PHE	N-CA-CB	12.73	129.77	110.42
2	33	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	4F	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	4Z	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	5F	35	PHE	N-CA-CB	12.73	129.77	110.42
2	5J	35	PHE	N-CA-CB	12.73	129.77	110.42
2	5N	35	PHE	N-CA-CB	12.73	129.77	110.42
2	5V	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	6N	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	6V	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	63	35	PHE	N-CA-CB	12.73	129.77	110.42
2	67	35	PHE	N-CA-CB	12.73	129.77	110.42
2	7B	35	PHE	N-CA-CB	12.73	129.77	110.42
2	7F	222	GLN	CB-CA-C	-12.73	88.83	110.09
2	7R	222	GLN	CB-CA-C	-12.73	88.83	110.09
1	1E	156	SER	N-CA-CB	12.72	131.99	110.49
1	2M	156	SER	N-CA-CB	12.72	131.99	110.49
1	22	156	SER	N-CA-CB	12.72	131.99	110.49
1	3M	156	SER	N-CA-CB	12.72	131.99	110.49
1	36	156	SER	N-CA-CB	12.72	131.99	110.49
1	4I	156	SER	N-CA-CB	12.72	131.99	110.49
1	4Q	156	SER	N-CA-CB	12.72	131.99	110.49
1	5Y	156	SER	N-CA-CB	12.72	131.99	110.49
1	6E	156	SER	N-CA-CB	12.72	131.99	110.49
1	6Y	156	SER	N-CA-CB	12.72	131.99	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	156	SER	N-CA-CB	12.72	131.99	110.49
1	7U	156	SER	N-CA-CB	12.72	131.99	110.49
1	12	156	SER	N-CA-CB	12.71	131.97	110.49
1	16	156	SER	N-CA-CB	12.71	131.97	110.49
1	2A	156	SER	N-CA-CB	12.71	131.97	110.49
1	3Q	156	SER	N-CA-CB	12.71	131.97	110.49
1	3U	156	SER	N-CA-CB	12.71	131.97	110.49
1	3Y	156	SER	N-CA-CB	12.71	131.97	110.49
1	5E	156	SER	N-CA-CB	12.71	131.97	110.49
1	5I	156	SER	N-CA-CB	12.71	131.97	110.49
1	5M	156	SER	N-CA-CB	12.71	131.97	110.49
1	62	156	SER	N-CA-CB	12.71	131.97	110.49
1	66	156	SER	N-CA-CB	12.71	131.97	110.49
1	7A	156	SER	N-CA-CB	12.71	131.97	110.49
1	1E	25	ASP	OD1-CG-OD2	12.70	153.39	122.90
1	2M	25	ASP	OD1-CG-OD2	12.70	153.39	122.90
1	22	25	ASP	OD1-CG-OD2	12.70	153.39	122.90
1	3M	25	ASP	OD1-CG-OD2	12.70	153.39	122.90
1	36	25	ASP	OD1-CG-OD2	12.70	153.39	122.90
1	4I	25	ASP	OD1-CG-OD2	12.70	153.39	122.90
1	4Q	25	ASP	OD1-CG-OD2	12.70	153.39	122.90
1	5Y	25	ASP	OD1-CG-OD2	12.70	153.39	122.90
1	6E	25	ASP	OD1-CG-OD2	12.70	153.39	122.90
1	6Y	25	ASP	OD1-CG-OD2	12.70	153.39	122.90
1	7I	25	ASP	OD1-CG-OD2	12.70	153.39	122.90
1	7U	25	ASP	OD1-CG-OD2	12.70	153.39	122.90
1	1Q	156	SER	N-CA-CB	12.70	131.95	110.49
1	1U	156	SER	N-CA-CB	12.70	131.95	110.49
1	1Y	156	SER	N-CA-CB	12.70	131.95	110.49
1	2Q	156	SER	N-CA-CB	12.70	131.95	110.49
1	2U	156	SER	N-CA-CB	12.70	131.95	110.49
1	2Y	156	SER	N-CA-CB	12.70	131.95	110.49
1	42	156	SER	N-CA-CB	12.70	131.95	110.49
1	46	156	SER	N-CA-CB	12.70	131.95	110.49
1	5A	156	SER	N-CA-CB	12.70	131.95	110.49
1	52	156	SER	N-CA-CB	12.70	131.95	110.49
1	56	156	SER	N-CA-CB	12.70	131.95	110.49
1	6A	156	SER	N-CA-CB	12.70	131.95	110.49
2	1N	68	PRO	N-CD-CG	12.69	122.23	103.20
2	2J	68	PRO	N-CD-CG	12.69	122.23	103.20
2	3B	68	PRO	N-CD-CG	12.69	122.23	103.20
2	3J	68	PRO	N-CD-CG	12.69	122.23	103.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	68	PRO	N-CD-CG	12.69	122.23	103.20
2	4F	68	PRO	N-CD-CG	12.69	122.23	103.20
2	4Z	68	PRO	N-CD-CG	12.69	122.23	103.20
2	5V	68	PRO	N-CD-CG	12.69	122.23	103.20
2	6N	68	PRO	N-CD-CG	12.69	122.23	103.20
2	6V	68	PRO	N-CD-CG	12.69	122.23	103.20
2	7F	68	PRO	N-CD-CG	12.69	122.23	103.20
2	7R	68	PRO	N-CD-CG	12.69	122.23	103.20
2	1B	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	1F	24	PRO	N-CD-CG	-12.69	84.17	103.20
1	1Q	25	ASP	OD1-CG-OD2	12.69	153.35	122.90
2	1F	68	PRO	N-CD-CG	12.69	122.23	103.20
2	1J	24	PRO	N-CD-CG	-12.69	84.17	103.20
1	1U	25	ASP	OD1-CG-OD2	12.69	153.35	122.90
1	1Y	25	ASP	OD1-CG-OD2	12.69	153.35	122.90
2	13	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	17	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	2B	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	2F	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	2N	24	PRO	N-CD-CG	-12.69	84.17	103.20
1	2Q	25	ASP	OD1-CG-OD2	12.69	153.35	122.90
1	2U	25	ASP	OD1-CG-OD2	12.69	153.35	122.90
1	2Y	25	ASP	OD1-CG-OD2	12.69	153.35	122.90
2	2N	68	PRO	N-CD-CG	12.69	122.23	103.20
2	23	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	23	68	PRO	N-CD-CG	12.69	122.23	103.20
2	27	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	3F	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	3N	24	PRO	N-CD-CG	-12.69	84.17	103.20
1	42	25	ASP	OD1-CG-OD2	12.69	153.35	122.90
2	3N	68	PRO	N-CD-CG	12.69	122.23	103.20
2	3R	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	3V	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	3Z	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	37	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	37	68	PRO	N-CD-CG	12.69	122.23	103.20
2	4B	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	4J	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	4J	68	PRO	N-CD-CG	12.69	122.23	103.20
2	4N	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	4R	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	4R	68	PRO	N-CD-CG	12.69	122.23	103.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4V	24	PRO	N-CD-CG	-12.69	84.17	103.20
1	46	25	ASP	OD1-CG-OD2	12.69	153.35	122.90
1	5A	25	ASP	OD1-CG-OD2	12.69	153.35	122.90
1	52	25	ASP	OD1-CG-OD2	12.69	153.35	122.90
2	5F	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	5J	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	5N	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	5R	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	5Z	24	PRO	N-CD-CG	-12.69	84.17	103.20
1	56	25	ASP	OD1-CG-OD2	12.69	153.35	122.90
1	6A	25	ASP	OD1-CG-OD2	12.69	153.35	122.90
2	5Z	68	PRO	N-CD-CG	12.69	122.23	103.20
2	6F	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	6F	68	PRO	N-CD-CG	12.69	122.23	103.20
2	6J	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	6R	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	6Z	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	6Z	68	PRO	N-CD-CG	12.69	122.23	103.20
2	63	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	67	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	7B	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	7J	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	7J	68	PRO	N-CD-CG	12.69	122.23	103.20
2	7N	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	7V	24	PRO	N-CD-CG	-12.69	84.17	103.20
2	7V	68	PRO	N-CD-CG	12.69	122.23	103.20
1	1A	156	SER	N-CA-CB	12.68	131.93	110.49
1	1I	156	SER	N-CA-CB	12.68	131.93	110.49
1	2E	156	SER	N-CA-CB	12.68	131.93	110.49
1	26	156	SER	N-CA-CB	12.68	131.93	110.49
1	3E	156	SER	N-CA-CB	12.68	131.93	110.49
1	4A	156	SER	N-CA-CB	12.68	131.93	110.49
1	4M	156	SER	N-CA-CB	12.68	131.93	110.49
1	4U	156	SER	N-CA-CB	12.68	131.93	110.49
1	5Q	156	SER	N-CA-CB	12.68	131.93	110.49
1	6I	156	SER	N-CA-CB	12.68	131.93	110.49
1	6Q	156	SER	N-CA-CB	12.68	131.93	110.49
1	7M	156	SER	N-CA-CB	12.68	131.93	110.49
1	1A	25	ASP	OD1-CG-OD2	12.68	153.33	122.90
1	1I	25	ASP	OD1-CG-OD2	12.68	153.33	122.90
1	2E	25	ASP	OD1-CG-OD2	12.68	153.33	122.90
1	26	25	ASP	OD1-CG-OD2	12.68	153.33	122.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	25	ASP	OD1-CG-OD2	12.68	153.33	122.90
1	4A	25	ASP	OD1-CG-OD2	12.68	153.33	122.90
1	4M	25	ASP	OD1-CG-OD2	12.68	153.33	122.90
1	4U	25	ASP	OD1-CG-OD2	12.68	153.33	122.90
1	5Q	25	ASP	OD1-CG-OD2	12.68	153.33	122.90
1	6I	25	ASP	OD1-CG-OD2	12.68	153.33	122.90
1	6Q	25	ASP	OD1-CG-OD2	12.68	153.33	122.90
1	7M	25	ASP	OD1-CG-OD2	12.68	153.33	122.90
1	1M	156	SER	N-CA-CB	12.68	131.91	110.49
2	1R	24	PRO	N-CD-CG	-12.68	84.19	103.20
2	1V	24	PRO	N-CD-CG	-12.68	84.19	103.20
2	1Z	24	PRO	N-CD-CG	-12.68	84.19	103.20
1	2I	156	SER	N-CA-CB	12.68	131.91	110.49
2	2R	24	PRO	N-CD-CG	-12.68	84.19	103.20
2	2V	24	PRO	N-CD-CG	-12.68	84.19	103.20
2	2Z	24	PRO	N-CD-CG	-12.68	84.19	103.20
1	3A	156	SER	N-CA-CB	12.68	131.91	110.49
1	3I	156	SER	N-CA-CB	12.68	131.91	110.49
1	32	156	SER	N-CA-CB	12.68	131.91	110.49
1	4E	156	SER	N-CA-CB	12.68	131.91	110.49
1	4Y	156	SER	N-CA-CB	12.68	131.91	110.49
2	43	24	PRO	N-CD-CG	-12.68	84.19	103.20
2	47	24	PRO	N-CD-CG	-12.68	84.19	103.20
2	5B	24	PRO	N-CD-CG	-12.68	84.19	103.20
1	5U	156	SER	N-CA-CB	12.68	131.91	110.49
2	53	24	PRO	N-CD-CG	-12.68	84.19	103.20
2	57	24	PRO	N-CD-CG	-12.68	84.19	103.20
2	6B	24	PRO	N-CD-CG	-12.68	84.19	103.20
1	6M	156	SER	N-CA-CB	12.68	131.91	110.49
1	6U	156	SER	N-CA-CB	12.68	131.91	110.49
1	7E	156	SER	N-CA-CB	12.68	131.91	110.49
1	7Q	156	SER	N-CA-CB	12.68	131.91	110.49
2	1B	68	PRO	N-CD-CG	12.67	122.21	103.20
2	1J	68	PRO	N-CD-CG	12.67	122.21	103.20
2	2F	68	PRO	N-CD-CG	12.67	122.21	103.20
2	27	68	PRO	N-CD-CG	12.67	122.21	103.20
2	3F	68	PRO	N-CD-CG	12.67	122.21	103.20
2	4B	68	PRO	N-CD-CG	12.67	122.21	103.20
2	4N	68	PRO	N-CD-CG	12.67	122.21	103.20
2	4V	68	PRO	N-CD-CG	12.67	122.21	103.20
2	5R	68	PRO	N-CD-CG	12.67	122.21	103.20
2	6J	68	PRO	N-CD-CG	12.67	122.21	103.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	68	PRO	N-CD-CG	12.67	122.21	103.20
2	7N	68	PRO	N-CD-CG	12.67	122.21	103.20
2	1R	68	PRO	N-CD-CG	12.67	122.20	103.20
2	1V	68	PRO	N-CD-CG	12.67	122.20	103.20
2	1Z	68	PRO	N-CD-CG	12.67	122.20	103.20
2	2R	68	PRO	N-CD-CG	12.67	122.20	103.20
2	2V	68	PRO	N-CD-CG	12.67	122.20	103.20
2	2Z	68	PRO	N-CD-CG	12.67	122.20	103.20
2	43	68	PRO	N-CD-CG	12.67	122.20	103.20
2	47	68	PRO	N-CD-CG	12.67	122.20	103.20
2	5B	68	PRO	N-CD-CG	12.67	122.20	103.20
2	53	68	PRO	N-CD-CG	12.67	122.20	103.20
2	57	68	PRO	N-CD-CG	12.67	122.20	103.20
2	6B	68	PRO	N-CD-CG	12.67	122.20	103.20
2	1N	24	PRO	N-CD-CG	-12.67	84.20	103.20
2	2J	24	PRO	N-CD-CG	-12.67	84.20	103.20
2	3B	24	PRO	N-CD-CG	-12.67	84.20	103.20
2	3J	24	PRO	N-CD-CG	-12.67	84.20	103.20
2	33	24	PRO	N-CD-CG	-12.67	84.20	103.20
2	4F	24	PRO	N-CD-CG	-12.67	84.20	103.20
2	4Z	24	PRO	N-CD-CG	-12.67	84.20	103.20
2	5V	24	PRO	N-CD-CG	-12.67	84.20	103.20
2	6N	24	PRO	N-CD-CG	-12.67	84.20	103.20
2	6V	24	PRO	N-CD-CG	-12.67	84.20	103.20
2	7F	24	PRO	N-CD-CG	-12.67	84.20	103.20
2	7R	24	PRO	N-CD-CG	-12.67	84.20	103.20
1	1M	25	ASP	OD1-CG-OD2	12.66	153.28	122.90
1	12	25	ASP	OD1-CG-OD2	12.66	153.29	122.90
2	13	68	PRO	N-CD-CG	12.66	122.19	103.20
1	16	25	ASP	OD1-CG-OD2	12.66	153.29	122.90
2	17	68	PRO	N-CD-CG	12.66	122.19	103.20
1	2A	25	ASP	OD1-CG-OD2	12.66	153.29	122.90
2	2B	68	PRO	N-CD-CG	12.66	122.19	103.20
1	2I	25	ASP	OD1-CG-OD2	12.66	153.28	122.90
1	3A	25	ASP	OD1-CG-OD2	12.66	153.28	122.90
1	3I	25	ASP	OD1-CG-OD2	12.66	153.28	122.90
1	3Q	25	ASP	OD1-CG-OD2	12.66	153.29	122.90
2	3R	68	PRO	N-CD-CG	12.66	122.19	103.20
1	3U	25	ASP	OD1-CG-OD2	12.66	153.29	122.90
2	3V	68	PRO	N-CD-CG	12.66	122.19	103.20
1	3Y	25	ASP	OD1-CG-OD2	12.66	153.29	122.90
2	3Z	68	PRO	N-CD-CG	12.66	122.19	103.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	25	ASP	OD1-CG-OD2	12.66	153.28	122.90
1	4E	25	ASP	OD1-CG-OD2	12.66	153.28	122.90
1	4Y	25	ASP	OD1-CG-OD2	12.66	153.28	122.90
1	5E	25	ASP	OD1-CG-OD2	12.66	153.29	122.90
2	5F	68	PRO	N-CD-CG	12.66	122.19	103.20
1	5I	25	ASP	OD1-CG-OD2	12.66	153.29	122.90
2	5J	68	PRO	N-CD-CG	12.66	122.19	103.20
1	5M	25	ASP	OD1-CG-OD2	12.66	153.29	122.90
2	5N	68	PRO	N-CD-CG	12.66	122.19	103.20
1	5U	25	ASP	OD1-CG-OD2	12.66	153.28	122.90
1	6M	25	ASP	OD1-CG-OD2	12.66	153.28	122.90
1	6U	25	ASP	OD1-CG-OD2	12.66	153.28	122.90
1	62	25	ASP	OD1-CG-OD2	12.66	153.29	122.90
2	63	68	PRO	N-CD-CG	12.66	122.19	103.20
1	66	25	ASP	OD1-CG-OD2	12.66	153.29	122.90
2	67	68	PRO	N-CD-CG	12.66	122.19	103.20
1	7A	25	ASP	OD1-CG-OD2	12.66	153.29	122.90
2	7B	68	PRO	N-CD-CG	12.66	122.19	103.20
1	7E	25	ASP	OD1-CG-OD2	12.66	153.28	122.90
1	7Q	25	ASP	OD1-CG-OD2	12.66	153.28	122.90
1	1M	85	LEU	CA-C-N	-12.65	102.23	122.73
1	1M	85	LEU	C-N-CA	-12.65	102.23	122.73
1	2I	85	LEU	CA-C-N	-12.65	102.23	122.73
1	2I	85	LEU	C-N-CA	-12.65	102.23	122.73
1	3A	85	LEU	CA-C-N	-12.65	102.23	122.73
1	3A	85	LEU	C-N-CA	-12.65	102.23	122.73
1	3I	85	LEU	CA-C-N	-12.65	102.23	122.73
1	3I	85	LEU	C-N-CA	-12.65	102.23	122.73
1	32	85	LEU	CA-C-N	-12.65	102.23	122.73
1	32	85	LEU	C-N-CA	-12.65	102.23	122.73
1	4E	85	LEU	CA-C-N	-12.65	102.23	122.73
1	4E	85	LEU	C-N-CA	-12.65	102.23	122.73
1	4Y	85	LEU	CA-C-N	-12.65	102.23	122.73
1	4Y	85	LEU	C-N-CA	-12.65	102.23	122.73
1	5U	85	LEU	CA-C-N	-12.65	102.23	122.73
1	5U	85	LEU	C-N-CA	-12.65	102.23	122.73
1	6M	85	LEU	CA-C-N	-12.65	102.23	122.73
1	6M	85	LEU	C-N-CA	-12.65	102.23	122.73
1	6U	85	LEU	CA-C-N	-12.65	102.23	122.73
1	6U	85	LEU	C-N-CA	-12.65	102.23	122.73
1	7E	85	LEU	CA-C-N	-12.65	102.23	122.73
1	7E	85	LEU	C-N-CA	-12.65	102.23	122.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	85	LEU	CA-C-N	-12.65	102.23	122.73
1	7Q	85	LEU	C-N-CA	-12.65	102.23	122.73
1	1Q	85	LEU	CA-C-N	-12.64	102.26	122.73
1	1Q	85	LEU	C-N-CA	-12.64	102.26	122.73
1	1U	85	LEU	CA-C-N	-12.64	102.26	122.73
1	1U	85	LEU	C-N-CA	-12.64	102.26	122.73
1	1Y	85	LEU	CA-C-N	-12.64	102.26	122.73
1	1Y	85	LEU	C-N-CA	-12.64	102.26	122.73
1	2Q	85	LEU	C-N-CA	-12.64	102.26	122.73
1	2U	85	LEU	CA-C-N	-12.64	102.26	122.73
1	2Y	85	LEU	C-N-CA	-12.64	102.26	122.73
1	5A	85	LEU	CA-C-N	-12.64	102.26	122.73
1	5A	85	LEU	C-N-CA	-12.64	102.26	122.73
1	52	85	LEU	CA-C-N	-12.64	102.26	122.73
1	1A	85	LEU	CA-C-N	-12.63	102.26	122.73
1	1A	85	LEU	C-N-CA	-12.63	102.26	122.73
1	1I	85	LEU	CA-C-N	-12.63	102.26	122.73
1	1I	85	LEU	C-N-CA	-12.63	102.26	122.73
1	12	85	LEU	CA-C-O	-12.63	106.83	121.49
1	16	85	LEU	CA-C-O	-12.63	106.83	121.49
1	2A	85	LEU	CA-C-O	-12.63	106.83	121.49
1	2Q	85	LEU	CA-C-N	-12.64	102.26	122.73
1	2U	85	LEU	C-N-CA	-12.64	102.26	122.73
1	2Y	85	LEU	CA-C-N	-12.64	102.26	122.73
1	42	85	LEU	C-N-CA	-12.64	102.26	122.73
1	46	85	LEU	CA-C-N	-12.64	102.26	122.73
1	46	85	LEU	C-N-CA	-12.64	102.26	122.73
1	6A	85	LEU	CA-C-N	-12.64	102.26	122.73
1	6A	85	LEU	C-N-CA	-12.64	102.26	122.73
1	2E	85	LEU	CA-C-N	-12.63	102.26	122.73
1	2E	85	LEU	C-N-CA	-12.63	102.26	122.73
1	26	85	LEU	CA-C-N	-12.63	102.26	122.73
1	26	85	LEU	C-N-CA	-12.63	102.26	122.73
1	3E	85	LEU	CA-C-N	-12.63	102.26	122.73
1	3E	85	LEU	C-N-CA	-12.63	102.26	122.73
1	3Q	85	LEU	CA-C-O	-12.63	106.83	121.49
1	3U	85	LEU	CA-C-O	-12.63	106.83	121.49
1	3Y	85	LEU	CA-C-O	-12.63	106.83	121.49
1	42	85	LEU	CA-C-N	-12.64	102.26	122.73
1	56	85	LEU	C-N-CA	-12.64	102.26	122.73
1	4A	85	LEU	CA-C-N	-12.63	102.26	122.73
1	4A	85	LEU	C-N-CA	-12.63	102.26	122.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4M	85	LEU	CA-C-N	-12.63	102.26	122.73
1	4M	85	LEU	C-N-CA	-12.63	102.26	122.73
1	4U	85	LEU	CA-C-N	-12.63	102.26	122.73
1	4U	85	LEU	C-N-CA	-12.63	102.26	122.73
1	5E	85	LEU	CA-C-O	-12.63	106.83	121.49
1	5I	85	LEU	CA-C-O	-12.63	106.83	121.49
1	5M	85	LEU	CA-C-O	-12.63	106.83	121.49
1	52	85	LEU	C-N-CA	-12.64	102.26	122.73
1	56	85	LEU	CA-C-N	-12.64	102.26	122.73
1	5Q	85	LEU	CA-C-N	-12.63	102.26	122.73
1	5Q	85	LEU	C-N-CA	-12.63	102.26	122.73
1	6I	85	LEU	CA-C-N	-12.63	102.26	122.73
1	6I	85	LEU	C-N-CA	-12.63	102.26	122.73
1	6Q	85	LEU	CA-C-N	-12.63	102.26	122.73
1	6Q	85	LEU	C-N-CA	-12.63	102.26	122.73
1	62	85	LEU	CA-C-O	-12.63	106.83	121.49
1	66	85	LEU	CA-C-O	-12.63	106.83	121.49
1	7A	85	LEU	CA-C-O	-12.63	106.83	121.49
1	7M	85	LEU	CA-C-N	-12.63	102.26	122.73
1	7M	85	LEU	C-N-CA	-12.63	102.26	122.73
1	1E	85	LEU	CA-C-N	-12.63	102.27	122.73
1	1E	85	LEU	C-N-CA	-12.63	102.27	122.73
1	2M	85	LEU	CA-C-N	-12.63	102.27	122.73
1	2M	85	LEU	C-N-CA	-12.63	102.27	122.73
1	22	85	LEU	CA-C-N	-12.63	102.27	122.73
1	22	85	LEU	C-N-CA	-12.63	102.27	122.73
1	3M	85	LEU	CA-C-N	-12.63	102.27	122.73
1	3M	85	LEU	C-N-CA	-12.63	102.27	122.73
1	36	85	LEU	CA-C-N	-12.63	102.27	122.73
1	36	85	LEU	C-N-CA	-12.63	102.27	122.73
1	4I	85	LEU	CA-C-N	-12.63	102.27	122.73
1	4I	85	LEU	C-N-CA	-12.63	102.27	122.73
1	4Q	85	LEU	CA-C-N	-12.63	102.27	122.73
1	4Q	85	LEU	C-N-CA	-12.63	102.27	122.73
1	5Y	85	LEU	CA-C-N	-12.63	102.27	122.73
1	5Y	85	LEU	C-N-CA	-12.63	102.27	122.73
1	6E	85	LEU	CA-C-N	-12.63	102.27	122.73
1	6E	85	LEU	C-N-CA	-12.63	102.27	122.73
1	6Y	85	LEU	CA-C-N	-12.63	102.27	122.73
1	6Y	85	LEU	C-N-CA	-12.63	102.27	122.73
1	7I	85	LEU	CA-C-N	-12.63	102.27	122.73
1	7I	85	LEU	C-N-CA	-12.63	102.27	122.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	85	LEU	CA-C-N	-12.63	102.27	122.73
1	7U	85	LEU	C-N-CA	-12.63	102.27	122.73
2	1F	108	HIS	CB-CG-CD2	-12.63	114.79	131.20
2	2N	108	HIS	CB-CG-CD2	-12.63	114.79	131.20
2	23	108	HIS	CB-CG-CD2	-12.63	114.79	131.20
2	3N	108	HIS	CB-CG-CD2	-12.63	114.79	131.20
2	37	108	HIS	CB-CG-CD2	-12.63	114.79	131.20
2	4J	108	HIS	CB-CG-CD2	-12.63	114.79	131.20
2	4R	108	HIS	CB-CG-CD2	-12.63	114.79	131.20
2	5Z	108	HIS	CB-CG-CD2	-12.63	114.79	131.20
2	6F	108	HIS	CB-CG-CD2	-12.63	114.79	131.20
2	6Z	108	HIS	CB-CG-CD2	-12.63	114.79	131.20
2	7J	108	HIS	CB-CG-CD2	-12.63	114.79	131.20
2	7V	108	HIS	CB-CG-CD2	-12.63	114.79	131.20
1	1E	39	GLN	CB-CG-CD	-12.62	91.14	112.60
1	2M	39	GLN	CB-CG-CD	-12.62	91.14	112.60
1	22	39	GLN	CB-CG-CD	-12.62	91.14	112.60
1	3M	39	GLN	CB-CG-CD	-12.62	91.14	112.60
1	36	39	GLN	CB-CG-CD	-12.62	91.14	112.60
1	4I	39	GLN	CB-CG-CD	-12.62	91.14	112.60
1	4Q	39	GLN	CB-CG-CD	-12.62	91.14	112.60
1	5Y	39	GLN	CB-CG-CD	-12.62	91.14	112.60
1	6E	39	GLN	CB-CG-CD	-12.62	91.14	112.60
1	6Y	39	GLN	CB-CG-CD	-12.62	91.14	112.60
1	7I	39	GLN	CB-CG-CD	-12.62	91.14	112.60
1	7U	39	GLN	CB-CG-CD	-12.62	91.14	112.60
1	12	85	LEU	CA-C-N	-12.62	102.28	122.73
1	12	85	LEU	C-N-CA	-12.62	102.28	122.73
1	16	85	LEU	CA-C-N	-12.62	102.28	122.73
1	16	85	LEU	C-N-CA	-12.62	102.28	122.73
1	2A	85	LEU	CA-C-N	-12.62	102.28	122.73
1	2A	85	LEU	C-N-CA	-12.62	102.28	122.73
1	3Q	85	LEU	CA-C-N	-12.62	102.28	122.73
1	3Q	85	LEU	C-N-CA	-12.62	102.28	122.73
1	3U	85	LEU	CA-C-N	-12.62	102.28	122.73
1	3U	85	LEU	C-N-CA	-12.62	102.28	122.73
1	3Y	85	LEU	CA-C-N	-12.62	102.28	122.73
1	3Y	85	LEU	C-N-CA	-12.62	102.28	122.73
1	5E	85	LEU	CA-C-N	-12.62	102.28	122.73
1	5E	85	LEU	C-N-CA	-12.62	102.28	122.73
1	5I	85	LEU	CA-C-N	-12.62	102.28	122.73
1	5I	85	LEU	C-N-CA	-12.62	102.28	122.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	85	LEU	CA-C-N	-12.62	102.28	122.73
1	5M	85	LEU	C-N-CA	-12.62	102.28	122.73
1	62	85	LEU	CA-C-N	-12.62	102.28	122.73
1	62	85	LEU	C-N-CA	-12.62	102.28	122.73
1	66	85	LEU	CA-C-N	-12.62	102.28	122.73
1	66	85	LEU	C-N-CA	-12.62	102.28	122.73
1	7A	85	LEU	CA-C-N	-12.62	102.28	122.73
1	7A	85	LEU	C-N-CA	-12.62	102.28	122.73
1	1A	39	GLN	CB-CG-CD	-12.61	91.16	112.60
1	1I	39	GLN	CB-CG-CD	-12.61	91.16	112.60
1	2E	39	GLN	CB-CG-CD	-12.61	91.16	112.60
1	26	39	GLN	CB-CG-CD	-12.61	91.16	112.60
1	3E	39	GLN	CB-CG-CD	-12.61	91.16	112.60
1	4A	39	GLN	CB-CG-CD	-12.61	91.16	112.60
1	4M	39	GLN	CB-CG-CD	-12.61	91.16	112.60
1	4U	39	GLN	CB-CG-CD	-12.61	91.16	112.60
1	5Q	39	GLN	CB-CG-CD	-12.61	91.16	112.60
1	6I	39	GLN	CB-CG-CD	-12.61	91.16	112.60
1	6Q	39	GLN	CB-CG-CD	-12.61	91.16	112.60
1	7M	39	GLN	CB-CG-CD	-12.61	91.16	112.60
1	1M	39	GLN	CB-CG-CD	-12.61	91.17	112.60
1	1Q	85	LEU	CA-C-O	-12.61	106.86	121.49
1	1U	85	LEU	CA-C-O	-12.61	106.86	121.49
1	1Y	85	LEU	CA-C-O	-12.61	106.86	121.49
1	2Q	85	LEU	CA-C-O	-12.61	106.86	121.49
1	2U	85	LEU	CA-C-O	-12.61	106.86	121.49
1	2Y	85	LEU	CA-C-O	-12.61	106.86	121.49
1	42	85	LEU	CA-C-O	-12.61	106.86	121.49
1	46	85	LEU	CA-C-O	-12.61	106.86	121.49
1	1Q	30	PHE	N-CA-CB	12.61	130.00	110.46
1	1U	30	PHE	N-CA-CB	12.61	130.00	110.46
1	1Y	30	PHE	N-CA-CB	12.61	130.00	110.46
1	2I	39	GLN	CB-CG-CD	-12.61	91.17	112.60
1	2Q	30	PHE	N-CA-CB	12.61	130.00	110.46
1	2U	30	PHE	N-CA-CB	12.61	130.00	110.46
1	2Y	30	PHE	N-CA-CB	12.61	130.00	110.46
1	3A	39	GLN	CB-CG-CD	-12.61	91.17	112.60
1	3I	39	GLN	CB-CG-CD	-12.61	91.17	112.60
1	32	39	GLN	CB-CG-CD	-12.61	91.17	112.60
1	4E	39	GLN	CB-CG-CD	-12.61	91.17	112.60
1	4Y	39	GLN	CB-CG-CD	-12.61	91.17	112.60
1	5A	85	LEU	CA-C-O	-12.61	106.86	121.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	52	85	LEU	CA-C-O	-12.61	106.86	121.49
1	56	85	LEU	CA-C-O	-12.61	106.86	121.49
1	6A	85	LEU	CA-C-O	-12.61	106.86	121.49
1	42	30	PHE	N-CA-CB	12.61	130.00	110.46
1	46	30	PHE	N-CA-CB	12.61	130.00	110.46
1	5A	30	PHE	N-CA-CB	12.61	130.00	110.46
1	5U	39	GLN	CB-CG-CD	-12.61	91.17	112.60
1	52	30	PHE	N-CA-CB	12.61	130.00	110.46
1	56	30	PHE	N-CA-CB	12.61	130.00	110.46
1	6A	30	PHE	N-CA-CB	12.61	130.00	110.46
1	6M	39	GLN	CB-CG-CD	-12.61	91.17	112.60
1	6U	39	GLN	CB-CG-CD	-12.61	91.17	112.60
1	7E	39	GLN	CB-CG-CD	-12.61	91.17	112.60
1	7Q	39	GLN	CB-CG-CD	-12.61	91.17	112.60
1	1A	85	LEU	CA-C-O	-12.61	106.87	121.49
2	1B	108	HIS	CB-CG-CD2	-12.61	114.81	131.20
1	1I	85	LEU	CA-C-O	-12.61	106.87	121.49
2	1J	108	HIS	CB-CG-CD2	-12.61	114.81	131.20
1	2E	85	LEU	CA-C-O	-12.61	106.87	121.49
2	2F	108	HIS	CB-CG-CD2	-12.61	114.81	131.20
1	26	85	LEU	CA-C-O	-12.61	106.87	121.49
2	27	108	HIS	CB-CG-CD2	-12.61	114.81	131.20
1	3E	85	LEU	CA-C-O	-12.61	106.87	121.49
2	3F	108	HIS	CB-CG-CD2	-12.61	114.81	131.20
1	4A	85	LEU	CA-C-O	-12.61	106.87	121.49
2	4B	108	HIS	CB-CG-CD2	-12.61	114.81	131.20
1	4M	85	LEU	CA-C-O	-12.61	106.87	121.49
2	4N	108	HIS	CB-CG-CD2	-12.61	114.81	131.20
1	4U	85	LEU	CA-C-O	-12.61	106.87	121.49
2	4V	108	HIS	CB-CG-CD2	-12.61	114.81	131.20
1	5Q	85	LEU	CA-C-O	-12.61	106.87	121.49
2	5R	108	HIS	CB-CG-CD2	-12.61	114.81	131.20
1	6I	85	LEU	CA-C-O	-12.61	106.87	121.49
2	6J	108	HIS	CB-CG-CD2	-12.61	114.81	131.20
1	6Q	85	LEU	CA-C-O	-12.61	106.87	121.49
2	6R	108	HIS	CB-CG-CD2	-12.61	114.81	131.20
1	7M	85	LEU	CA-C-O	-12.61	106.87	121.49
2	7N	108	HIS	CB-CG-CD2	-12.61	114.81	131.20
1	1M	30	PHE	N-CA-CB	12.60	129.99	110.46
1	12	39	GLN	CB-CG-CD	-12.60	91.17	112.60
1	16	39	GLN	CB-CG-CD	-12.60	91.17	112.60
1	2A	39	GLN	CB-CG-CD	-12.60	91.17	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	30	PHE	N-CA-CB	12.60	129.99	110.46
1	3A	30	PHE	N-CA-CB	12.60	129.99	110.46
1	3I	30	PHE	N-CA-CB	12.60	129.99	110.46
1	3Q	39	GLN	CB-CG-CD	-12.60	91.17	112.60
1	3U	39	GLN	CB-CG-CD	-12.60	91.17	112.60
1	3Y	39	GLN	CB-CG-CD	-12.60	91.17	112.60
1	32	30	PHE	N-CA-CB	12.60	129.99	110.46
1	4E	30	PHE	N-CA-CB	12.60	129.99	110.46
1	4Y	30	PHE	N-CA-CB	12.60	129.99	110.46
1	5E	39	GLN	CB-CG-CD	-12.60	91.17	112.60
1	5I	39	GLN	CB-CG-CD	-12.60	91.17	112.60
1	5M	39	GLN	CB-CG-CD	-12.60	91.17	112.60
1	5U	30	PHE	N-CA-CB	12.60	129.99	110.46
1	6M	30	PHE	N-CA-CB	12.60	129.99	110.46
1	6U	30	PHE	N-CA-CB	12.60	129.99	110.46
1	62	39	GLN	CB-CG-CD	-12.60	91.17	112.60
1	66	39	GLN	CB-CG-CD	-12.60	91.17	112.60
1	7A	39	GLN	CB-CG-CD	-12.60	91.17	112.60
1	7E	30	PHE	N-CA-CB	12.60	129.99	110.46
1	7Q	30	PHE	N-CA-CB	12.60	129.99	110.46
1	1E	30	PHE	N-CA-CB	12.60	129.99	110.46
1	2M	30	PHE	N-CA-CB	12.60	129.99	110.46
1	22	30	PHE	N-CA-CB	12.60	129.99	110.46
1	3M	30	PHE	N-CA-CB	12.60	129.99	110.46
1	36	30	PHE	N-CA-CB	12.60	129.99	110.46
1	4I	30	PHE	N-CA-CB	12.60	129.99	110.46
1	4Q	30	PHE	N-CA-CB	12.60	129.99	110.46
1	5Y	30	PHE	N-CA-CB	12.60	129.99	110.46
1	6E	30	PHE	N-CA-CB	12.60	129.99	110.46
1	6Y	30	PHE	N-CA-CB	12.60	129.99	110.46
1	7I	30	PHE	N-CA-CB	12.60	129.99	110.46
1	7U	30	PHE	N-CA-CB	12.60	129.99	110.46
1	1E	85	LEU	CA-C-O	-12.60	106.88	121.49
1	2M	85	LEU	CA-C-O	-12.60	106.88	121.49
1	22	85	LEU	CA-C-O	-12.60	106.88	121.49
1	3M	85	LEU	CA-C-O	-12.60	106.88	121.49
1	36	85	LEU	CA-C-O	-12.60	106.88	121.49
1	4I	85	LEU	CA-C-O	-12.60	106.88	121.49
1	4Q	85	LEU	CA-C-O	-12.60	106.88	121.49
1	5Y	85	LEU	CA-C-O	-12.60	106.88	121.49
1	6E	85	LEU	CA-C-O	-12.60	106.88	121.49
1	6Y	85	LEU	CA-C-O	-12.60	106.88	121.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	85	LEU	CA-C-O	-12.60	106.88	121.49
1	7U	85	LEU	CA-C-O	-12.60	106.88	121.49
2	1N	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
1	1Q	39	GLN	CB-CG-CD	-12.59	91.19	112.60
1	1U	39	GLN	CB-CG-CD	-12.59	91.19	112.60
1	1Y	39	GLN	CB-CG-CD	-12.59	91.19	112.60
1	12	30	PHE	N-CA-CB	12.59	129.98	110.46
2	13	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
1	16	30	PHE	N-CA-CB	12.59	129.98	110.46
2	17	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
1	2A	30	PHE	N-CA-CB	12.59	129.98	110.46
2	2B	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
2	2J	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
1	2Q	39	GLN	CB-CG-CD	-12.59	91.19	112.60
1	2U	39	GLN	CB-CG-CD	-12.59	91.19	112.60
1	2Y	39	GLN	CB-CG-CD	-12.59	91.19	112.60
2	3B	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
2	3J	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
1	3Q	30	PHE	N-CA-CB	12.59	129.98	110.46
2	3R	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
1	3U	30	PHE	N-CA-CB	12.59	129.98	110.46
2	3V	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
1	3Y	30	PHE	N-CA-CB	12.59	129.98	110.46
2	3Z	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
2	33	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
2	4F	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
2	4Z	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
1	42	39	GLN	CB-CG-CD	-12.59	91.19	112.60
1	46	39	GLN	CB-CG-CD	-12.59	91.19	112.60
1	5A	39	GLN	CB-CG-CD	-12.59	91.19	112.60
1	5E	30	PHE	N-CA-CB	12.59	129.98	110.46
2	5F	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
1	5I	30	PHE	N-CA-CB	12.59	129.98	110.46
2	5J	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
1	5M	30	PHE	N-CA-CB	12.59	129.98	110.46
2	5N	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
2	5V	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
1	52	39	GLN	CB-CG-CD	-12.59	91.19	112.60
1	56	39	GLN	CB-CG-CD	-12.59	91.19	112.60
1	6A	39	GLN	CB-CG-CD	-12.59	91.19	112.60
2	6N	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
2	6V	108	HIS	CB-CG-CD2	-12.59	114.83	131.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	62	30	PHE	N-CA-CB	12.59	129.98	110.46
2	63	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
1	66	30	PHE	N-CA-CB	12.59	129.98	110.46
2	67	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
1	7A	30	PHE	N-CA-CB	12.59	129.98	110.46
2	7B	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
2	7F	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
2	7R	108	HIS	CB-CG-CD2	-12.59	114.83	131.20
1	1A	30	PHE	N-CA-CB	12.59	129.98	110.46
1	1I	30	PHE	N-CA-CB	12.59	129.98	110.46
1	2E	30	PHE	N-CA-CB	12.59	129.98	110.46
1	26	30	PHE	N-CA-CB	12.59	129.98	110.46
1	3E	30	PHE	N-CA-CB	12.59	129.98	110.46
1	4A	30	PHE	N-CA-CB	12.59	129.98	110.46
1	4M	30	PHE	N-CA-CB	12.59	129.98	110.46
1	4U	30	PHE	N-CA-CB	12.59	129.98	110.46
1	5Q	30	PHE	N-CA-CB	12.59	129.98	110.46
1	6I	30	PHE	N-CA-CB	12.59	129.98	110.46
1	6Q	30	PHE	N-CA-CB	12.59	129.98	110.46
1	7M	30	PHE	N-CA-CB	12.59	129.98	110.46
1	1M	85	LEU	CA-C-O	-12.59	106.89	121.49
2	1R	108	HIS	CB-CG-CD2	-12.59	114.84	131.20
2	1V	108	HIS	CB-CG-CD2	-12.59	114.84	131.20
2	1Z	108	HIS	CB-CG-CD2	-12.59	114.84	131.20
1	2I	85	LEU	CA-C-O	-12.59	106.89	121.49
2	2R	108	HIS	CB-CG-CD2	-12.59	114.84	131.20
2	2V	108	HIS	CB-CG-CD2	-12.59	114.84	131.20
2	2Z	108	HIS	CB-CG-CD2	-12.59	114.84	131.20
1	3A	85	LEU	CA-C-O	-12.59	106.89	121.49
1	3I	85	LEU	CA-C-O	-12.59	106.89	121.49
1	32	85	LEU	CA-C-O	-12.59	106.89	121.49
1	4E	85	LEU	CA-C-O	-12.59	106.89	121.49
1	4Y	85	LEU	CA-C-O	-12.59	106.89	121.49
2	43	108	HIS	CB-CG-CD2	-12.59	114.84	131.20
2	47	108	HIS	CB-CG-CD2	-12.59	114.84	131.20
2	5B	108	HIS	CB-CG-CD2	-12.59	114.84	131.20
1	5U	85	LEU	CA-C-O	-12.59	106.89	121.49
2	53	108	HIS	CB-CG-CD2	-12.59	114.84	131.20
2	57	108	HIS	CB-CG-CD2	-12.59	114.84	131.20
2	6B	108	HIS	CB-CG-CD2	-12.59	114.84	131.20
1	6M	85	LEU	CA-C-O	-12.59	106.89	121.49
1	6U	85	LEU	CA-C-O	-12.59	106.89	121.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	85	LEU	CA-C-O	-12.59	106.89	121.49
1	7Q	85	LEU	CA-C-O	-12.59	106.89	121.49
2	1R	215	GLN	CA-CB-CG	12.58	139.25	114.10
2	1V	215	GLN	CA-CB-CG	12.58	139.25	114.10
2	1Z	215	GLN	CA-CB-CG	12.58	139.25	114.10
2	2R	215	GLN	CA-CB-CG	12.58	139.25	114.10
2	2V	215	GLN	CA-CB-CG	12.58	139.25	114.10
2	2Z	215	GLN	CA-CB-CG	12.58	139.25	114.10
2	43	215	GLN	CA-CB-CG	12.58	139.25	114.10
2	47	215	GLN	CA-CB-CG	12.58	139.25	114.10
2	5B	215	GLN	CA-CB-CG	12.58	139.25	114.10
2	53	215	GLN	CA-CB-CG	12.58	139.25	114.10
2	57	215	GLN	CA-CB-CG	12.58	139.25	114.10
2	6B	215	GLN	CA-CB-CG	12.58	139.25	114.10
2	13	72	ARG	CA-CB-CG	12.57	139.24	114.10
2	13	215	GLN	CA-CB-CG	12.57	139.24	114.10
2	17	72	ARG	CA-CB-CG	12.57	139.24	114.10
2	17	215	GLN	CA-CB-CG	12.57	139.24	114.10
2	2B	72	ARG	CA-CB-CG	12.57	139.24	114.10
2	2B	215	GLN	CA-CB-CG	12.57	139.24	114.10
2	3R	72	ARG	CA-CB-CG	12.57	139.24	114.10
2	3R	215	GLN	CA-CB-CG	12.57	139.24	114.10
2	3V	72	ARG	CA-CB-CG	12.57	139.24	114.10
2	3V	215	GLN	CA-CB-CG	12.57	139.24	114.10
2	3Z	72	ARG	CA-CB-CG	12.57	139.24	114.10
2	3Z	215	GLN	CA-CB-CG	12.57	139.24	114.10
2	5F	72	ARG	CA-CB-CG	12.57	139.24	114.10
2	5F	215	GLN	CA-CB-CG	12.57	139.24	114.10
2	5J	72	ARG	CA-CB-CG	12.57	139.24	114.10
2	5J	215	GLN	CA-CB-CG	12.57	139.24	114.10
2	5N	72	ARG	CA-CB-CG	12.57	139.24	114.10
2	5N	215	GLN	CA-CB-CG	12.57	139.24	114.10
2	63	72	ARG	CA-CB-CG	12.57	139.24	114.10
2	63	215	GLN	CA-CB-CG	12.57	139.24	114.10
2	67	72	ARG	CA-CB-CG	12.57	139.24	114.10
2	67	215	GLN	CA-CB-CG	12.57	139.24	114.10
2	7B	72	ARG	CA-CB-CG	12.57	139.24	114.10
2	7B	215	GLN	CA-CB-CG	12.57	139.24	114.10
2	1B	72	ARG	CA-CB-CG	12.56	139.23	114.10
2	1J	72	ARG	CA-CB-CG	12.56	139.23	114.10
2	2F	72	ARG	CA-CB-CG	12.56	139.23	114.10
2	27	72	ARG	CA-CB-CG	12.56	139.23	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	72	ARG	CA-CB-CG	12.56	139.23	114.10
2	4B	72	ARG	CA-CB-CG	12.56	139.23	114.10
2	4N	72	ARG	CA-CB-CG	12.56	139.23	114.10
2	4V	72	ARG	CA-CB-CG	12.56	139.23	114.10
2	5R	72	ARG	CA-CB-CG	12.56	139.23	114.10
2	6J	72	ARG	CA-CB-CG	12.56	139.23	114.10
2	6R	72	ARG	CA-CB-CG	12.56	139.23	114.10
2	7N	72	ARG	CA-CB-CG	12.56	139.23	114.10
2	1F	215	GLN	CA-CB-CG	12.56	139.22	114.10
2	1R	72	ARG	CA-CB-CG	12.56	139.22	114.10
2	1V	72	ARG	CA-CB-CG	12.56	139.22	114.10
2	1Z	72	ARG	CA-CB-CG	12.56	139.22	114.10
2	2N	215	GLN	CA-CB-CG	12.56	139.22	114.10
2	2R	72	ARG	CA-CB-CG	12.56	139.22	114.10
2	2V	72	ARG	CA-CB-CG	12.56	139.22	114.10
2	2Z	72	ARG	CA-CB-CG	12.56	139.22	114.10
2	23	215	GLN	CA-CB-CG	12.56	139.22	114.10
2	3N	215	GLN	CA-CB-CG	12.56	139.22	114.10
2	37	215	GLN	CA-CB-CG	12.56	139.22	114.10
2	4J	215	GLN	CA-CB-CG	12.56	139.22	114.10
2	4R	215	GLN	CA-CB-CG	12.56	139.22	114.10
2	43	72	ARG	CA-CB-CG	12.56	139.22	114.10
2	47	72	ARG	CA-CB-CG	12.56	139.22	114.10
2	5B	72	ARG	CA-CB-CG	12.56	139.22	114.10
2	5Z	215	GLN	CA-CB-CG	12.56	139.22	114.10
2	53	72	ARG	CA-CB-CG	12.56	139.22	114.10
2	57	72	ARG	CA-CB-CG	12.56	139.22	114.10
2	6B	72	ARG	CA-CB-CG	12.56	139.22	114.10
2	6F	215	GLN	CA-CB-CG	12.56	139.22	114.10
2	6Z	215	GLN	CA-CB-CG	12.56	139.22	114.10
2	7J	215	GLN	CA-CB-CG	12.56	139.22	114.10
2	7V	215	GLN	CA-CB-CG	12.56	139.22	114.10
2	1B	215	GLN	CA-CB-CG	12.55	139.20	114.10
2	1J	215	GLN	CA-CB-CG	12.55	139.20	114.10
2	2F	215	GLN	CA-CB-CG	12.55	139.20	114.10
2	27	215	GLN	CA-CB-CG	12.55	139.20	114.10
2	3F	215	GLN	CA-CB-CG	12.55	139.20	114.10
2	4B	215	GLN	CA-CB-CG	12.55	139.20	114.10
2	4N	215	GLN	CA-CB-CG	12.55	139.20	114.10
2	4V	215	GLN	CA-CB-CG	12.55	139.20	114.10
2	5R	215	GLN	CA-CB-CG	12.55	139.20	114.10
2	6J	215	GLN	CA-CB-CG	12.55	139.20	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	215	GLN	CA-CB-CG	12.55	139.20	114.10
2	7N	215	GLN	CA-CB-CG	12.55	139.20	114.10
2	1F	72	ARG	CA-CB-CG	12.55	139.19	114.10
2	1N	215	GLN	CA-CB-CG	12.55	139.19	114.10
2	2J	215	GLN	CA-CB-CG	12.55	139.19	114.10
2	2N	72	ARG	CA-CB-CG	12.55	139.19	114.10
2	23	72	ARG	CA-CB-CG	12.55	139.19	114.10
2	3B	215	GLN	CA-CB-CG	12.55	139.19	114.10
2	3J	215	GLN	CA-CB-CG	12.55	139.19	114.10
2	3N	72	ARG	CA-CB-CG	12.55	139.19	114.10
2	33	215	GLN	CA-CB-CG	12.55	139.19	114.10
2	37	72	ARG	CA-CB-CG	12.55	139.19	114.10
2	4F	215	GLN	CA-CB-CG	12.55	139.19	114.10
2	4J	72	ARG	CA-CB-CG	12.55	139.19	114.10
2	4R	72	ARG	CA-CB-CG	12.55	139.19	114.10
2	4Z	215	GLN	CA-CB-CG	12.55	139.19	114.10
2	5V	215	GLN	CA-CB-CG	12.55	139.19	114.10
2	5Z	72	ARG	CA-CB-CG	12.55	139.19	114.10
2	6F	72	ARG	CA-CB-CG	12.55	139.19	114.10
2	6N	215	GLN	CA-CB-CG	12.55	139.19	114.10
2	6V	215	GLN	CA-CB-CG	12.55	139.19	114.10
2	6Z	72	ARG	CA-CB-CG	12.55	139.19	114.10
2	7F	215	GLN	CA-CB-CG	12.55	139.19	114.10
2	7J	72	ARG	CA-CB-CG	12.55	139.19	114.10
2	7R	215	GLN	CA-CB-CG	12.55	139.19	114.10
2	7V	72	ARG	CA-CB-CG	12.55	139.19	114.10
1	12	155	PRO	CB-CA-C	-12.54	90.87	111.56
1	16	155	PRO	CB-CA-C	-12.54	90.87	111.56
1	2A	155	PRO	CB-CA-C	-12.54	90.87	111.56
1	3Q	155	PRO	CB-CA-C	-12.54	90.87	111.56
1	3U	155	PRO	CB-CA-C	-12.54	90.87	111.56
1	3Y	155	PRO	CB-CA-C	-12.54	90.87	111.56
1	5E	155	PRO	CB-CA-C	-12.54	90.87	111.56
1	5I	155	PRO	CB-CA-C	-12.54	90.87	111.56
1	5M	155	PRO	CB-CA-C	-12.54	90.87	111.56
1	62	155	PRO	CB-CA-C	-12.54	90.87	111.56
1	66	155	PRO	CB-CA-C	-12.54	90.87	111.56
1	7A	155	PRO	CB-CA-C	-12.54	90.87	111.56
2	1N	72	ARG	CA-CB-CG	12.53	139.17	114.10
2	2J	72	ARG	CA-CB-CG	12.53	139.17	114.10
2	3B	72	ARG	CA-CB-CG	12.53	139.17	114.10
2	3J	72	ARG	CA-CB-CG	12.53	139.17	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	72	ARG	CA-CB-CG	12.53	139.17	114.10
2	4F	72	ARG	CA-CB-CG	12.53	139.17	114.10
2	4Z	72	ARG	CA-CB-CG	12.53	139.17	114.10
2	5V	72	ARG	CA-CB-CG	12.53	139.17	114.10
2	6N	72	ARG	CA-CB-CG	12.53	139.17	114.10
2	6V	72	ARG	CA-CB-CG	12.53	139.17	114.10
2	7F	72	ARG	CA-CB-CG	12.53	139.17	114.10
2	7R	72	ARG	CA-CB-CG	12.53	139.17	114.10
1	1Q	155	PRO	CB-CA-C	-12.53	90.88	111.56
1	1U	155	PRO	CB-CA-C	-12.53	90.88	111.56
1	1Y	155	PRO	CB-CA-C	-12.53	90.88	111.56
1	2Q	155	PRO	CB-CA-C	-12.53	90.88	111.56
1	2U	155	PRO	CB-CA-C	-12.53	90.88	111.56
1	2Y	155	PRO	CB-CA-C	-12.53	90.88	111.56
1	42	155	PRO	CB-CA-C	-12.53	90.88	111.56
1	46	155	PRO	CB-CA-C	-12.53	90.88	111.56
1	5A	155	PRO	CB-CA-C	-12.53	90.88	111.56
1	52	155	PRO	CB-CA-C	-12.53	90.88	111.56
1	56	155	PRO	CB-CA-C	-12.53	90.88	111.56
1	6A	155	PRO	CB-CA-C	-12.53	90.88	111.56
1	1A	155	PRO	CB-CA-C	-12.53	90.89	111.56
1	1I	155	PRO	CB-CA-C	-12.53	90.89	111.56
1	2E	155	PRO	CB-CA-C	-12.53	90.89	111.56
1	26	155	PRO	CB-CA-C	-12.53	90.89	111.56
1	3E	155	PRO	CB-CA-C	-12.53	90.89	111.56
1	4A	155	PRO	CB-CA-C	-12.53	90.89	111.56
1	4M	155	PRO	CB-CA-C	-12.53	90.89	111.56
1	4U	155	PRO	CB-CA-C	-12.53	90.89	111.56
1	5Q	155	PRO	CB-CA-C	-12.53	90.89	111.56
1	6I	155	PRO	CB-CA-C	-12.53	90.89	111.56
1	6Q	155	PRO	CB-CA-C	-12.53	90.89	111.56
1	7M	155	PRO	CB-CA-C	-12.53	90.89	111.56
1	1E	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	1M	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	2I	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	2M	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	22	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	3A	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	3I	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	3M	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	32	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	36	155	PRO	CB-CA-C	-12.52	90.91	111.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	4I	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	4Q	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	4Y	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	5U	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	5Y	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	6E	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	6M	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	6U	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	6Y	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	7E	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	7I	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	7Q	155	PRO	CB-CA-C	-12.52	90.91	111.56
1	7U	155	PRO	CB-CA-C	-12.52	90.91	111.56
2	1R	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	1V	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	1Z	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	2R	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	2V	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	2Z	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	43	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	47	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	5B	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	53	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	57	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	6B	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	1B	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	1F	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	1J	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	1N	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	2F	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	2J	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	2N	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	23	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	27	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	3B	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	3F	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	3J	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	3N	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	33	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	37	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	4B	26	ALA	N-CA-CB	-12.49	76.89	111.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	4J	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	4N	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	4R	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	4V	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	4Z	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	5R	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	5V	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	5Z	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	6F	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	6J	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	6N	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	6R	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	6V	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	6Z	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	7F	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	7J	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	7N	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	7R	26	ALA	N-CA-CB	-12.49	76.89	111.11
2	7V	26	ALA	N-CA-CB	-12.49	76.88	111.11
2	13	26	ALA	N-CA-CB	-12.49	76.90	111.11
2	17	26	ALA	N-CA-CB	-12.49	76.90	111.11
2	2B	26	ALA	N-CA-CB	-12.49	76.90	111.11
2	3R	26	ALA	N-CA-CB	-12.49	76.90	111.11
2	3V	26	ALA	N-CA-CB	-12.49	76.90	111.11
2	3Z	26	ALA	N-CA-CB	-12.49	76.90	111.11
2	5F	26	ALA	N-CA-CB	-12.49	76.90	111.11
2	5J	26	ALA	N-CA-CB	-12.49	76.90	111.11
2	5N	26	ALA	N-CA-CB	-12.49	76.90	111.11
2	63	26	ALA	N-CA-CB	-12.49	76.90	111.11
2	67	26	ALA	N-CA-CB	-12.49	76.90	111.11
2	7B	26	ALA	N-CA-CB	-12.49	76.90	111.11
1	12	22	HIS	N-CA-C	12.47	128.27	113.18
1	16	22	HIS	N-CA-C	12.47	128.27	113.18
1	2A	22	HIS	N-CA-C	12.47	128.27	113.18
1	3Q	22	HIS	N-CA-C	12.47	128.27	113.18
1	3U	22	HIS	N-CA-C	12.47	128.27	113.18
1	3Y	22	HIS	N-CA-C	12.47	128.27	113.18
1	5E	22	HIS	N-CA-C	12.47	128.27	113.18
1	5I	22	HIS	N-CA-C	12.47	128.27	113.18
1	5M	22	HIS	N-CA-C	12.47	128.27	113.18
1	62	22	HIS	N-CA-C	12.47	128.27	113.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	22	HIS	N-CA-C	12.47	128.27	113.18
1	7A	22	HIS	N-CA-C	12.47	128.27	113.18
1	1A	22	HIS	N-CA-C	12.47	128.26	113.18
1	1I	22	HIS	N-CA-C	12.47	128.26	113.18
1	2E	22	HIS	N-CA-C	12.47	128.26	113.18
1	26	22	HIS	N-CA-C	12.47	128.26	113.18
1	3E	22	HIS	N-CA-C	12.47	128.26	113.18
1	4A	22	HIS	N-CA-C	12.47	128.26	113.18
1	4M	22	HIS	N-CA-C	12.47	128.26	113.18
1	4U	22	HIS	N-CA-C	12.47	128.26	113.18
1	5Q	22	HIS	N-CA-C	12.47	128.26	113.18
1	6I	22	HIS	N-CA-C	12.47	128.26	113.18
1	6Q	22	HIS	N-CA-C	12.47	128.26	113.18
1	7M	22	HIS	N-CA-C	12.47	128.26	113.18
1	1M	22	HIS	N-CA-C	12.46	128.26	113.18
1	1Q	22	HIS	N-CA-C	12.46	128.26	113.18
1	1U	22	HIS	N-CA-C	12.46	128.26	113.18
1	1Y	22	HIS	N-CA-C	12.46	128.26	113.18
1	2I	22	HIS	N-CA-C	12.46	128.26	113.18
1	2Q	22	HIS	N-CA-C	12.46	128.26	113.18
1	2U	22	HIS	N-CA-C	12.46	128.26	113.18
1	2Y	22	HIS	N-CA-C	12.46	128.26	113.18
1	3A	22	HIS	N-CA-C	12.46	128.26	113.18
1	3I	22	HIS	N-CA-C	12.46	128.26	113.18
1	32	22	HIS	N-CA-C	12.46	128.26	113.18
1	4E	22	HIS	N-CA-C	12.46	128.26	113.18
1	4Y	22	HIS	N-CA-C	12.46	128.26	113.18
1	42	22	HIS	N-CA-C	12.46	128.26	113.18
1	46	22	HIS	N-CA-C	12.46	128.26	113.18
1	5A	22	HIS	N-CA-C	12.46	128.26	113.18
1	5U	22	HIS	N-CA-C	12.46	128.26	113.18
1	52	22	HIS	N-CA-C	12.46	128.26	113.18
1	56	22	HIS	N-CA-C	12.46	128.26	113.18
1	6A	22	HIS	N-CA-C	12.46	128.26	113.18
1	6M	22	HIS	N-CA-C	12.46	128.26	113.18
1	6U	22	HIS	N-CA-C	12.46	128.26	113.18
1	7E	22	HIS	N-CA-C	12.46	128.26	113.18
1	7Q	22	HIS	N-CA-C	12.46	128.26	113.18
1	1E	22	HIS	N-CA-C	12.46	128.25	113.18
1	2M	22	HIS	N-CA-C	12.46	128.25	113.18
1	22	22	HIS	N-CA-C	12.46	128.25	113.18
1	3M	22	HIS	N-CA-C	12.46	128.25	113.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	22	HIS	N-CA-C	12.46	128.25	113.18
1	4I	22	HIS	N-CA-C	12.46	128.25	113.18
1	4Q	22	HIS	N-CA-C	12.46	128.25	113.18
1	5Y	22	HIS	N-CA-C	12.46	128.25	113.18
1	6E	22	HIS	N-CA-C	12.46	128.25	113.18
1	6Y	22	HIS	N-CA-C	12.46	128.25	113.18
1	7I	22	HIS	N-CA-C	12.46	128.25	113.18
1	7U	22	HIS	N-CA-C	12.46	128.25	113.18
2	1R	36	SER	O-C-N	-12.43	105.67	122.33
2	1V	36	SER	O-C-N	-12.43	105.67	122.33
2	1Z	36	SER	O-C-N	-12.43	105.67	122.33
2	2R	36	SER	O-C-N	-12.43	105.67	122.33
2	2V	36	SER	O-C-N	-12.43	105.67	122.33
2	2Z	36	SER	O-C-N	-12.43	105.67	122.33
2	43	36	SER	O-C-N	-12.43	105.67	122.33
2	47	36	SER	O-C-N	-12.43	105.67	122.33
2	5B	36	SER	O-C-N	-12.43	105.67	122.33
2	53	36	SER	O-C-N	-12.43	105.67	122.33
2	57	36	SER	O-C-N	-12.43	105.67	122.33
2	6B	36	SER	O-C-N	-12.43	105.67	122.33
2	1F	36	SER	O-C-N	-12.42	105.69	122.33
2	2N	36	SER	O-C-N	-12.42	105.69	122.33
2	23	36	SER	O-C-N	-12.42	105.69	122.33
2	3N	36	SER	O-C-N	-12.42	105.69	122.33
2	37	36	SER	O-C-N	-12.42	105.69	122.33
2	4J	36	SER	O-C-N	-12.42	105.69	122.33
2	4R	36	SER	O-C-N	-12.42	105.69	122.33
2	5Z	36	SER	O-C-N	-12.42	105.69	122.33
2	6F	36	SER	O-C-N	-12.42	105.69	122.33
2	6Z	36	SER	O-C-N	-12.42	105.69	122.33
2	7J	36	SER	O-C-N	-12.42	105.69	122.33
2	7V	36	SER	O-C-N	-12.42	105.69	122.33
2	1B	36	SER	O-C-N	-12.42	105.69	122.33
2	1J	36	SER	O-C-N	-12.42	105.69	122.33
2	2F	36	SER	O-C-N	-12.42	105.69	122.33
2	27	36	SER	O-C-N	-12.42	105.69	122.33
2	3F	36	SER	O-C-N	-12.42	105.69	122.33
2	4B	36	SER	O-C-N	-12.42	105.69	122.33
2	4N	36	SER	O-C-N	-12.42	105.69	122.33
2	4V	36	SER	O-C-N	-12.42	105.69	122.33
2	5R	36	SER	O-C-N	-12.42	105.69	122.33
2	6J	36	SER	O-C-N	-12.42	105.69	122.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	36	SER	O-C-N	-12.42	105.69	122.33
2	7N	36	SER	O-C-N	-12.42	105.69	122.33
2	1N	36	SER	O-C-N	-12.41	105.70	122.33
2	1N	76	ILE	N-CA-CB	-12.41	88.16	112.24
2	2J	36	SER	O-C-N	-12.41	105.70	122.33
2	2J	76	ILE	N-CA-CB	-12.41	88.16	112.24
2	3B	36	SER	O-C-N	-12.41	105.70	122.33
2	3B	76	ILE	N-CA-CB	-12.41	88.16	112.24
2	3J	36	SER	O-C-N	-12.41	105.70	122.33
2	3J	76	ILE	N-CA-CB	-12.41	88.16	112.24
2	33	36	SER	O-C-N	-12.41	105.70	122.33
2	33	76	ILE	N-CA-CB	-12.41	88.16	112.24
2	4F	36	SER	O-C-N	-12.41	105.70	122.33
2	4F	76	ILE	N-CA-CB	-12.41	88.16	112.24
2	4Z	36	SER	O-C-N	-12.41	105.70	122.33
2	4Z	76	ILE	N-CA-CB	-12.41	88.16	112.24
2	5V	36	SER	O-C-N	-12.41	105.70	122.33
2	5V	76	ILE	N-CA-CB	-12.41	88.16	112.24
2	6N	36	SER	O-C-N	-12.41	105.70	122.33
2	6N	76	ILE	N-CA-CB	-12.41	88.16	112.24
2	6V	36	SER	O-C-N	-12.41	105.70	122.33
2	6V	76	ILE	N-CA-CB	-12.41	88.16	112.24
2	7F	36	SER	O-C-N	-12.41	105.70	122.33
2	7F	76	ILE	N-CA-CB	-12.41	88.16	112.24
2	7R	36	SER	O-C-N	-12.41	105.70	122.33
2	7R	76	ILE	N-CA-CB	-12.41	88.16	112.24
2	13	80	GLU	N-CA-C	-12.41	97.40	112.54
2	17	80	GLU	N-CA-C	-12.41	97.40	112.54
2	2B	80	GLU	N-CA-C	-12.41	97.40	112.54
2	3R	80	GLU	N-CA-C	-12.41	97.40	112.54
2	3V	80	GLU	N-CA-C	-12.41	97.40	112.54
2	3Z	80	GLU	N-CA-C	-12.41	97.40	112.54
2	5F	80	GLU	N-CA-C	-12.41	97.40	112.54
2	5J	80	GLU	N-CA-C	-12.41	97.40	112.54
2	5N	80	GLU	N-CA-C	-12.41	97.40	112.54
2	63	80	GLU	N-CA-C	-12.41	97.40	112.54
2	67	80	GLU	N-CA-C	-12.41	97.40	112.54
2	7B	80	GLU	N-CA-C	-12.41	97.40	112.54
2	1R	80	GLU	N-CA-C	-12.40	97.41	112.54
2	1V	80	GLU	N-CA-C	-12.40	97.41	112.54
2	1Z	80	GLU	N-CA-C	-12.40	97.41	112.54
2	2R	80	GLU	N-CA-C	-12.40	97.41	112.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	80	GLU	N-CA-C	-12.40	97.41	112.54
2	2Z	80	GLU	N-CA-C	-12.40	97.41	112.54
2	43	80	GLU	N-CA-C	-12.40	97.41	112.54
2	47	80	GLU	N-CA-C	-12.40	97.41	112.54
2	5B	80	GLU	N-CA-C	-12.40	97.41	112.54
2	53	80	GLU	N-CA-C	-12.40	97.41	112.54
2	57	80	GLU	N-CA-C	-12.40	97.41	112.54
2	6B	80	GLU	N-CA-C	-12.40	97.41	112.54
2	1B	80	GLU	N-CA-C	-12.40	97.41	112.54
2	1F	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	1J	80	GLU	N-CA-C	-12.40	97.41	112.54
2	1R	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	1V	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	1Z	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	2F	80	GLU	N-CA-C	-12.40	97.41	112.54
2	2N	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	2R	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	2V	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	2Z	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	23	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	27	80	GLU	N-CA-C	-12.40	97.41	112.54
2	3F	80	GLU	N-CA-C	-12.40	97.41	112.54
2	3N	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	37	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	4B	80	GLU	N-CA-C	-12.40	97.41	112.54
2	4J	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	4N	80	GLU	N-CA-C	-12.40	97.41	112.54
2	4R	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	4V	80	GLU	N-CA-C	-12.40	97.41	112.54
2	43	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	47	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	5B	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	5R	80	GLU	N-CA-C	-12.40	97.41	112.54
2	5Z	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	53	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	57	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	6B	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	6F	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	6J	80	GLU	N-CA-C	-12.40	97.41	112.54
2	6R	80	GLU	N-CA-C	-12.40	97.41	112.54
2	6Z	76	ILE	N-CA-CB	-12.40	88.19	112.24
2	7J	76	ILE	N-CA-CB	-12.40	88.19	112.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	80	GLU	N-CA-C	-12.40	97.41	112.54
2	7V	76	ILE	N-CA-CB	-12.40	88.19	112.24
1	1A	41	ILE	CA-C-N	12.39	144.28	121.97
1	1A	41	ILE	C-N-CA	12.39	144.28	121.97
2	1B	76	ILE	N-CA-CB	-12.39	88.20	112.24
1	1I	41	ILE	CA-C-N	12.39	144.28	121.97
1	1I	41	ILE	C-N-CA	12.39	144.28	121.97
2	1J	76	ILE	N-CA-CB	-12.39	88.20	112.24
1	1Q	41	ILE	CA-C-N	12.39	144.28	121.97
1	1Q	41	ILE	C-N-CA	12.39	144.28	121.97
1	1U	41	ILE	CA-C-N	12.39	144.28	121.97
1	1U	41	ILE	C-N-CA	12.39	144.28	121.97
1	1Y	41	ILE	CA-C-N	12.39	144.28	121.97
1	1Y	41	ILE	C-N-CA	12.39	144.28	121.97
1	2E	41	ILE	CA-C-N	12.39	144.28	121.97
1	2E	41	ILE	C-N-CA	12.39	144.28	121.97
2	2F	76	ILE	N-CA-CB	-12.39	88.20	112.24
1	2Q	41	ILE	CA-C-N	12.39	144.28	121.97
1	2Q	41	ILE	C-N-CA	12.39	144.28	121.97
1	2U	41	ILE	CA-C-N	12.39	144.28	121.97
1	2U	41	ILE	C-N-CA	12.39	144.28	121.97
1	2Y	41	ILE	CA-C-N	12.39	144.28	121.97
1	2Y	41	ILE	C-N-CA	12.39	144.28	121.97
1	26	41	ILE	CA-C-N	12.39	144.28	121.97
1	26	41	ILE	C-N-CA	12.39	144.28	121.97
2	27	76	ILE	N-CA-CB	-12.39	88.20	112.24
1	3E	41	ILE	CA-C-N	12.39	144.28	121.97
1	3E	41	ILE	C-N-CA	12.39	144.28	121.97
2	3F	76	ILE	N-CA-CB	-12.39	88.20	112.24
1	4A	41	ILE	CA-C-N	12.39	144.28	121.97
1	4A	41	ILE	C-N-CA	12.39	144.28	121.97
2	4B	76	ILE	N-CA-CB	-12.39	88.20	112.24
1	4M	41	ILE	CA-C-N	12.39	144.28	121.97
1	4M	41	ILE	C-N-CA	12.39	144.28	121.97
2	4N	76	ILE	N-CA-CB	-12.39	88.20	112.24
1	4U	41	ILE	CA-C-N	12.39	144.28	121.97
1	4U	41	ILE	C-N-CA	12.39	144.28	121.97
2	4V	76	ILE	N-CA-CB	-12.39	88.20	112.24
1	42	41	ILE	CA-C-N	12.39	144.28	121.97
1	42	41	ILE	C-N-CA	12.39	144.28	121.97
1	46	41	ILE	CA-C-N	12.39	144.28	121.97
1	46	41	ILE	C-N-CA	12.39	144.28	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	41	ILE	CA-C-N	12.39	144.28	121.97
1	5A	41	ILE	C-N-CA	12.39	144.28	121.97
1	5Q	41	ILE	CA-C-N	12.39	144.28	121.97
1	5Q	41	ILE	C-N-CA	12.39	144.28	121.97
2	5R	76	ILE	N-CA-CB	-12.39	88.20	112.24
1	52	41	ILE	CA-C-N	12.39	144.28	121.97
1	52	41	ILE	C-N-CA	12.39	144.28	121.97
1	56	41	ILE	CA-C-N	12.39	144.28	121.97
1	56	41	ILE	C-N-CA	12.39	144.28	121.97
1	6A	41	ILE	CA-C-N	12.39	144.28	121.97
1	6A	41	ILE	C-N-CA	12.39	144.28	121.97
1	6I	41	ILE	CA-C-N	12.39	144.28	121.97
1	6I	41	ILE	C-N-CA	12.39	144.28	121.97
2	6J	76	ILE	N-CA-CB	-12.39	88.20	112.24
1	6Q	41	ILE	CA-C-N	12.39	144.28	121.97
1	6Q	41	ILE	C-N-CA	12.39	144.28	121.97
2	6R	76	ILE	N-CA-CB	-12.39	88.20	112.24
1	7M	41	ILE	CA-C-N	12.39	144.28	121.97
1	7M	41	ILE	C-N-CA	12.39	144.28	121.97
2	7N	76	ILE	N-CA-CB	-12.39	88.20	112.24
2	13	76	ILE	N-CA-CB	-12.39	88.20	112.24
2	17	76	ILE	N-CA-CB	-12.39	88.20	112.24
2	2B	76	ILE	N-CA-CB	-12.39	88.20	112.24
2	3R	76	ILE	N-CA-CB	-12.39	88.20	112.24
2	3V	76	ILE	N-CA-CB	-12.39	88.20	112.24
2	3Z	76	ILE	N-CA-CB	-12.39	88.20	112.24
2	5F	76	ILE	N-CA-CB	-12.39	88.20	112.24
2	5J	76	ILE	N-CA-CB	-12.39	88.20	112.24
2	5N	76	ILE	N-CA-CB	-12.39	88.20	112.24
2	63	76	ILE	N-CA-CB	-12.39	88.20	112.24
2	67	76	ILE	N-CA-CB	-12.39	88.20	112.24
2	7B	76	ILE	N-CA-CB	-12.39	88.20	112.24
1	12	41	ILE	CA-C-N	12.39	144.27	121.97
1	12	41	ILE	C-N-CA	12.39	144.27	121.97
1	16	41	ILE	CA-C-N	12.39	144.27	121.97
1	16	41	ILE	C-N-CA	12.39	144.27	121.97
1	2A	41	ILE	CA-C-N	12.39	144.27	121.97
1	2A	41	ILE	C-N-CA	12.39	144.27	121.97
1	3Q	41	ILE	CA-C-N	12.39	144.27	121.97
1	3Q	41	ILE	C-N-CA	12.39	144.27	121.97
1	3U	41	ILE	CA-C-N	12.39	144.27	121.97
1	3U	41	ILE	C-N-CA	12.39	144.27	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Y	41	ILE	CA-C-N	12.39	144.27	121.97
1	3Y	41	ILE	C-N-CA	12.39	144.27	121.97
1	5E	41	ILE	CA-C-N	12.39	144.27	121.97
1	5E	41	ILE	C-N-CA	12.39	144.27	121.97
1	5I	41	ILE	CA-C-N	12.39	144.27	121.97
1	5I	41	ILE	C-N-CA	12.39	144.27	121.97
1	5M	41	ILE	CA-C-N	12.39	144.27	121.97
1	5M	41	ILE	C-N-CA	12.39	144.27	121.97
1	62	41	ILE	CA-C-N	12.39	144.27	121.97
1	62	41	ILE	C-N-CA	12.39	144.27	121.97
1	66	41	ILE	CA-C-N	12.39	144.27	121.97
1	66	41	ILE	C-N-CA	12.39	144.27	121.97
1	7A	41	ILE	CA-C-N	12.39	144.27	121.97
1	7A	41	ILE	C-N-CA	12.39	144.27	121.97
1	1E	41	ILE	CA-C-N	12.39	144.27	121.97
1	1E	41	ILE	C-N-CA	12.39	144.27	121.97
2	1N	54	ASN	CB-CG-OD1	12.39	145.57	120.80
2	1N	80	GLU	N-CA-C	-12.39	97.43	112.54
2	2J	54	ASN	CB-CG-OD1	12.39	145.57	120.80
2	2J	80	GLU	N-CA-C	-12.39	97.43	112.54
1	2M	41	ILE	CA-C-N	12.39	144.27	121.97
1	2M	41	ILE	C-N-CA	12.39	144.27	121.97
1	22	41	ILE	CA-C-N	12.39	144.27	121.97
1	22	41	ILE	C-N-CA	12.39	144.27	121.97
2	3B	54	ASN	CB-CG-OD1	12.39	145.57	120.80
2	3B	80	GLU	N-CA-C	-12.39	97.43	112.54
2	3J	54	ASN	CB-CG-OD1	12.39	145.57	120.80
2	3J	80	GLU	N-CA-C	-12.39	97.43	112.54
1	3M	41	ILE	CA-C-N	12.39	144.27	121.97
1	3M	41	ILE	C-N-CA	12.39	144.27	121.97
2	33	54	ASN	CB-CG-OD1	12.39	145.57	120.80
2	33	80	GLU	N-CA-C	-12.39	97.43	112.54
1	36	41	ILE	CA-C-N	12.39	144.27	121.97
1	36	41	ILE	C-N-CA	12.39	144.27	121.97
2	4F	54	ASN	CB-CG-OD1	12.39	145.57	120.80
2	4F	80	GLU	N-CA-C	-12.39	97.43	112.54
1	4I	41	ILE	CA-C-N	12.39	144.27	121.97
1	4I	41	ILE	C-N-CA	12.39	144.27	121.97
1	4Q	41	ILE	CA-C-N	12.39	144.27	121.97
1	4Q	41	ILE	C-N-CA	12.39	144.27	121.97
2	4Z	54	ASN	CB-CG-OD1	12.39	145.57	120.80
2	4Z	80	GLU	N-CA-C	-12.39	97.43	112.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	54	ASN	CB-CG-OD1	12.39	145.57	120.80
2	5V	80	GLU	N-CA-C	-12.39	97.43	112.54
1	5Y	41	ILE	CA-C-N	12.39	144.27	121.97
1	5Y	41	ILE	C-N-CA	12.39	144.27	121.97
1	6E	41	ILE	CA-C-N	12.39	144.27	121.97
1	6E	41	ILE	C-N-CA	12.39	144.27	121.97
2	6N	54	ASN	CB-CG-OD1	12.39	145.57	120.80
2	6N	80	GLU	N-CA-C	-12.39	97.43	112.54
2	6V	54	ASN	CB-CG-OD1	12.39	145.57	120.80
2	6V	80	GLU	N-CA-C	-12.39	97.43	112.54
1	6Y	41	ILE	CA-C-N	12.39	144.27	121.97
1	6Y	41	ILE	C-N-CA	12.39	144.27	121.97
2	7F	54	ASN	CB-CG-OD1	12.39	145.57	120.80
2	7F	80	GLU	N-CA-C	-12.39	97.43	112.54
1	7I	41	ILE	CA-C-N	12.39	144.27	121.97
1	7I	41	ILE	C-N-CA	12.39	144.27	121.97
2	7R	54	ASN	CB-CG-OD1	12.39	145.57	120.80
2	7R	80	GLU	N-CA-C	-12.39	97.43	112.54
1	7U	41	ILE	CA-C-N	12.39	144.27	121.97
1	7U	41	ILE	C-N-CA	12.39	144.27	121.97
1	1E	91	PRO	N-CD-CG	-12.38	84.62	103.20
2	1F	54	ASN	CB-CG-OD1	12.38	145.57	120.80
2	13	36	SER	O-C-N	-12.38	105.73	122.33
2	17	36	SER	O-C-N	-12.38	105.73	122.33
2	2B	36	SER	O-C-N	-12.38	105.73	122.33
1	2M	91	PRO	N-CD-CG	-12.38	84.62	103.20
2	2N	54	ASN	CB-CG-OD1	12.38	145.57	120.80
1	22	91	PRO	N-CD-CG	-12.38	84.62	103.20
2	23	54	ASN	CB-CG-OD1	12.38	145.57	120.80
1	3M	91	PRO	N-CD-CG	-12.38	84.62	103.20
2	3N	54	ASN	CB-CG-OD1	12.38	145.57	120.80
2	3R	36	SER	O-C-N	-12.38	105.73	122.33
2	3V	36	SER	O-C-N	-12.38	105.73	122.33
2	3Z	36	SER	O-C-N	-12.38	105.73	122.33
1	36	91	PRO	N-CD-CG	-12.38	84.62	103.20
2	37	54	ASN	CB-CG-OD1	12.38	145.57	120.80
1	4I	91	PRO	N-CD-CG	-12.38	84.62	103.20
2	4J	54	ASN	CB-CG-OD1	12.38	145.57	120.80
1	4Q	91	PRO	N-CD-CG	-12.38	84.62	103.20
2	4R	54	ASN	CB-CG-OD1	12.38	145.57	120.80
2	5F	36	SER	O-C-N	-12.38	105.73	122.33
2	5J	36	SER	O-C-N	-12.38	105.73	122.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5N	36	SER	O-C-N	-12.38	105.73	122.33
1	5Y	91	PRO	N-CD-CG	-12.38	84.62	103.20
2	5Z	54	ASN	CB-CG-OD1	12.38	145.57	120.80
1	6E	91	PRO	N-CD-CG	-12.38	84.62	103.20
2	6F	54	ASN	CB-CG-OD1	12.38	145.57	120.80
1	6Y	91	PRO	N-CD-CG	-12.38	84.62	103.20
2	6Z	54	ASN	CB-CG-OD1	12.38	145.57	120.80
2	63	36	SER	O-C-N	-12.38	105.73	122.33
2	67	36	SER	O-C-N	-12.38	105.73	122.33
2	7B	36	SER	O-C-N	-12.38	105.73	122.33
1	7I	91	PRO	N-CD-CG	-12.38	84.62	103.20
2	7J	54	ASN	CB-CG-OD1	12.38	145.57	120.80
1	7U	91	PRO	N-CD-CG	-12.38	84.62	103.20
2	7V	54	ASN	CB-CG-OD1	12.38	145.57	120.80
1	1M	91	PRO	N-CD-CG	-12.38	84.63	103.20
1	2I	91	PRO	N-CD-CG	-12.38	84.63	103.20
1	3A	91	PRO	N-CD-CG	-12.38	84.63	103.20
1	3I	91	PRO	N-CD-CG	-12.38	84.63	103.20
1	32	91	PRO	N-CD-CG	-12.38	84.63	103.20
1	4E	91	PRO	N-CD-CG	-12.38	84.63	103.20
1	4Y	91	PRO	N-CD-CG	-12.38	84.63	103.20
1	5U	91	PRO	N-CD-CG	-12.38	84.63	103.20
1	6M	91	PRO	N-CD-CG	-12.38	84.63	103.20
1	6U	91	PRO	N-CD-CG	-12.38	84.63	103.20
1	7E	91	PRO	N-CD-CG	-12.38	84.63	103.20
1	7Q	91	PRO	N-CD-CG	-12.38	84.63	103.20
2	1F	60	ARG	CA-C-N	-12.38	94.97	121.45
2	1F	60	ARG	C-N-CA	-12.38	94.97	121.45
2	2N	60	ARG	CA-C-N	-12.38	94.97	121.45
2	2N	60	ARG	C-N-CA	-12.38	94.97	121.45
2	23	60	ARG	CA-C-N	-12.38	94.97	121.45
2	23	60	ARG	C-N-CA	-12.38	94.97	121.45
2	3N	60	ARG	CA-C-N	-12.38	94.97	121.45
2	3N	60	ARG	C-N-CA	-12.38	94.97	121.45
2	37	60	ARG	CA-C-N	-12.38	94.97	121.45
2	37	60	ARG	C-N-CA	-12.38	94.97	121.45
2	4J	60	ARG	CA-C-N	-12.38	94.97	121.45
2	4J	60	ARG	C-N-CA	-12.38	94.97	121.45
2	4R	60	ARG	CA-C-N	-12.38	94.97	121.45
2	4R	60	ARG	C-N-CA	-12.38	94.97	121.45
2	5Z	60	ARG	CA-C-N	-12.38	94.97	121.45
2	5Z	60	ARG	C-N-CA	-12.38	94.97	121.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	60	ARG	CA-C-N	-12.38	94.97	121.45
2	6F	60	ARG	C-N-CA	-12.38	94.97	121.45
2	6Z	60	ARG	CA-C-N	-12.38	94.97	121.45
2	6Z	60	ARG	C-N-CA	-12.38	94.97	121.45
2	7J	60	ARG	CA-C-N	-12.38	94.97	121.45
2	7J	60	ARG	C-N-CA	-12.38	94.97	121.45
2	7V	60	ARG	CA-C-N	-12.38	94.97	121.45
2	7V	60	ARG	C-N-CA	-12.38	94.97	121.45
2	13	54	ASN	CB-CG-OD1	12.37	145.55	120.80
2	17	54	ASN	CB-CG-OD1	12.37	145.55	120.80
2	2B	54	ASN	CB-CG-OD1	12.37	145.55	120.80
2	3R	54	ASN	CB-CG-OD1	12.37	145.55	120.80
2	3V	54	ASN	CB-CG-OD1	12.37	145.55	120.80
2	3Z	54	ASN	CB-CG-OD1	12.37	145.55	120.80
2	5F	54	ASN	CB-CG-OD1	12.37	145.55	120.80
2	5J	54	ASN	CB-CG-OD1	12.37	145.55	120.80
2	5N	54	ASN	CB-CG-OD1	12.37	145.55	120.80
2	63	54	ASN	CB-CG-OD1	12.37	145.55	120.80
2	67	54	ASN	CB-CG-OD1	12.37	145.55	120.80
2	7B	54	ASN	CB-CG-OD1	12.37	145.55	120.80
1	12	91	PRO	N-CD-CG	-12.37	84.64	103.20
1	16	91	PRO	N-CD-CG	-12.37	84.64	103.20
1	2A	91	PRO	N-CD-CG	-12.37	84.64	103.20
1	3Q	91	PRO	N-CD-CG	-12.37	84.64	103.20
1	3U	91	PRO	N-CD-CG	-12.37	84.64	103.20
1	3Y	91	PRO	N-CD-CG	-12.37	84.64	103.20
1	5E	91	PRO	N-CD-CG	-12.37	84.64	103.20
1	5I	91	PRO	N-CD-CG	-12.37	84.64	103.20
1	5M	91	PRO	N-CD-CG	-12.37	84.64	103.20
1	62	91	PRO	N-CD-CG	-12.37	84.64	103.20
1	66	91	PRO	N-CD-CG	-12.37	84.64	103.20
1	7A	91	PRO	N-CD-CG	-12.37	84.64	103.20
1	1Q	91	PRO	N-CD-CG	-12.37	84.64	103.20
2	1R	54	ASN	CB-CG-OD1	12.37	145.54	120.80
1	1U	91	PRO	N-CD-CG	-12.37	84.64	103.20
2	1V	54	ASN	CB-CG-OD1	12.37	145.54	120.80
1	1Y	91	PRO	N-CD-CG	-12.37	84.64	103.20
2	1Z	54	ASN	CB-CG-OD1	12.37	145.54	120.80
1	2Q	91	PRO	N-CD-CG	-12.37	84.64	103.20
2	2R	54	ASN	CB-CG-OD1	12.37	145.54	120.80
1	2U	91	PRO	N-CD-CG	-12.37	84.64	103.20
2	2V	54	ASN	CB-CG-OD1	12.37	145.54	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2Y	91	PRO	N-CD-CG	-12.37	84.64	103.20
2	2Z	54	ASN	CB-CG-OD1	12.37	145.54	120.80
1	42	91	PRO	N-CD-CG	-12.37	84.64	103.20
2	43	54	ASN	CB-CG-OD1	12.37	145.54	120.80
1	46	91	PRO	N-CD-CG	-12.37	84.64	103.20
2	47	54	ASN	CB-CG-OD1	12.37	145.54	120.80
1	5A	91	PRO	N-CD-CG	-12.37	84.64	103.20
2	5B	54	ASN	CB-CG-OD1	12.37	145.54	120.80
1	52	91	PRO	N-CD-CG	-12.37	84.64	103.20
2	53	54	ASN	CB-CG-OD1	12.37	145.54	120.80
1	56	91	PRO	N-CD-CG	-12.37	84.64	103.20
2	57	54	ASN	CB-CG-OD1	12.37	145.54	120.80
1	6A	91	PRO	N-CD-CG	-12.37	84.64	103.20
2	6B	54	ASN	CB-CG-OD1	12.37	145.54	120.80
1	1A	91	PRO	N-CD-CG	-12.36	84.65	103.20
1	1I	91	PRO	N-CD-CG	-12.36	84.65	103.20
1	2E	91	PRO	N-CD-CG	-12.36	84.65	103.20
1	26	91	PRO	N-CD-CG	-12.36	84.65	103.20
1	3E	91	PRO	N-CD-CG	-12.36	84.65	103.20
1	4A	91	PRO	N-CD-CG	-12.36	84.65	103.20
1	4M	91	PRO	N-CD-CG	-12.36	84.65	103.20
1	4U	91	PRO	N-CD-CG	-12.36	84.65	103.20
1	5Q	91	PRO	N-CD-CG	-12.36	84.65	103.20
1	6I	91	PRO	N-CD-CG	-12.36	84.65	103.20
1	6Q	91	PRO	N-CD-CG	-12.36	84.65	103.20
1	7M	91	PRO	N-CD-CG	-12.36	84.65	103.20
2	1B	54	ASN	CB-CG-OD1	12.36	145.53	120.80
2	1J	54	ASN	CB-CG-OD1	12.36	145.53	120.80
2	2F	54	ASN	CB-CG-OD1	12.36	145.53	120.80
2	27	54	ASN	CB-CG-OD1	12.36	145.53	120.80
2	3F	54	ASN	CB-CG-OD1	12.36	145.53	120.80
2	4B	54	ASN	CB-CG-OD1	12.36	145.53	120.80
2	4N	54	ASN	CB-CG-OD1	12.36	145.53	120.80
2	4V	54	ASN	CB-CG-OD1	12.36	145.53	120.80
2	5R	54	ASN	CB-CG-OD1	12.36	145.53	120.80
2	6J	54	ASN	CB-CG-OD1	12.36	145.53	120.80
2	6R	54	ASN	CB-CG-OD1	12.36	145.53	120.80
2	7N	54	ASN	CB-CG-OD1	12.36	145.53	120.80
2	1B	60	ARG	CA-C-N	-12.36	95.00	121.45
2	1B	60	ARG	C-N-CA	-12.36	95.00	121.45
2	1J	60	ARG	CA-C-N	-12.36	95.00	121.45
2	1J	60	ARG	C-N-CA	-12.36	95.00	121.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2F	60	ARG	CA-C-N	-12.36	95.00	121.45
2	2F	60	ARG	C-N-CA	-12.36	95.00	121.45
2	27	60	ARG	CA-C-N	-12.36	95.00	121.45
2	27	60	ARG	C-N-CA	-12.36	95.00	121.45
2	3F	60	ARG	CA-C-N	-12.36	95.00	121.45
2	3F	60	ARG	C-N-CA	-12.36	95.00	121.45
2	4B	60	ARG	CA-C-N	-12.36	95.00	121.45
2	4B	60	ARG	C-N-CA	-12.36	95.00	121.45
2	4N	60	ARG	CA-C-N	-12.36	95.00	121.45
2	4N	60	ARG	C-N-CA	-12.36	95.00	121.45
2	4V	60	ARG	CA-C-N	-12.36	95.00	121.45
2	4V	60	ARG	C-N-CA	-12.36	95.00	121.45
2	5R	60	ARG	CA-C-N	-12.36	95.00	121.45
2	5R	60	ARG	C-N-CA	-12.36	95.00	121.45
2	6J	60	ARG	CA-C-N	-12.36	95.00	121.45
2	6J	60	ARG	C-N-CA	-12.36	95.00	121.45
2	6R	60	ARG	CA-C-N	-12.36	95.00	121.45
2	6R	60	ARG	C-N-CA	-12.36	95.00	121.45
2	7N	60	ARG	CA-C-N	-12.36	95.00	121.45
2	7N	60	ARG	C-N-CA	-12.36	95.00	121.45
2	1F	80	GLU	N-CA-C	-12.36	97.46	112.54
2	2N	80	GLU	N-CA-C	-12.36	97.46	112.54
2	23	80	GLU	N-CA-C	-12.36	97.46	112.54
2	3N	80	GLU	N-CA-C	-12.36	97.46	112.54
2	37	80	GLU	N-CA-C	-12.36	97.46	112.54
2	4J	80	GLU	N-CA-C	-12.36	97.46	112.54
2	4R	80	GLU	N-CA-C	-12.36	97.46	112.54
2	5Z	80	GLU	N-CA-C	-12.36	97.46	112.54
2	6F	80	GLU	N-CA-C	-12.36	97.46	112.54
2	6Z	80	GLU	N-CA-C	-12.36	97.46	112.54
2	7J	80	GLU	N-CA-C	-12.36	97.46	112.54
2	7V	80	GLU	N-CA-C	-12.36	97.46	112.54
2	1R	60	ARG	CA-C-N	-12.36	95.01	121.45
2	1R	60	ARG	C-N-CA	-12.36	95.01	121.45
2	1V	60	ARG	CA-C-N	-12.36	95.01	121.45
2	1V	60	ARG	C-N-CA	-12.36	95.01	121.45
2	1Z	60	ARG	CA-C-N	-12.36	95.01	121.45
2	1Z	60	ARG	C-N-CA	-12.36	95.01	121.45
2	2R	60	ARG	CA-C-N	-12.36	95.01	121.45
2	2R	60	ARG	C-N-CA	-12.36	95.01	121.45
2	2V	60	ARG	CA-C-N	-12.36	95.01	121.45
2	2V	60	ARG	C-N-CA	-12.36	95.01	121.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2Z	60	ARG	CA-C-N	-12.36	95.01	121.45
2	2Z	60	ARG	C-N-CA	-12.36	95.01	121.45
2	43	60	ARG	CA-C-N	-12.36	95.01	121.45
2	43	60	ARG	C-N-CA	-12.36	95.01	121.45
2	47	60	ARG	CA-C-N	-12.36	95.01	121.45
2	47	60	ARG	C-N-CA	-12.36	95.01	121.45
2	5B	60	ARG	CA-C-N	-12.36	95.01	121.45
2	5B	60	ARG	C-N-CA	-12.36	95.01	121.45
2	53	60	ARG	CA-C-N	-12.36	95.01	121.45
2	53	60	ARG	C-N-CA	-12.36	95.01	121.45
2	57	60	ARG	CA-C-N	-12.36	95.01	121.45
2	57	60	ARG	C-N-CA	-12.36	95.01	121.45
2	6B	60	ARG	CA-C-N	-12.36	95.01	121.45
2	6B	60	ARG	C-N-CA	-12.36	95.01	121.45
2	1N	60	ARG	CA-C-N	-12.36	95.01	121.45
2	1N	60	ARG	C-N-CA	-12.36	95.01	121.45
2	2J	60	ARG	CA-C-N	-12.36	95.01	121.45
2	2J	60	ARG	C-N-CA	-12.36	95.01	121.45
2	3B	60	ARG	CA-C-N	-12.36	95.01	121.45
2	3B	60	ARG	C-N-CA	-12.36	95.01	121.45
2	3J	60	ARG	CA-C-N	-12.36	95.01	121.45
2	3J	60	ARG	C-N-CA	-12.36	95.01	121.45
2	33	60	ARG	CA-C-N	-12.36	95.01	121.45
2	33	60	ARG	C-N-CA	-12.36	95.01	121.45
2	4F	60	ARG	CA-C-N	-12.36	95.01	121.45
2	4F	60	ARG	C-N-CA	-12.36	95.01	121.45
2	4Z	60	ARG	CA-C-N	-12.36	95.01	121.45
2	4Z	60	ARG	C-N-CA	-12.36	95.01	121.45
2	5V	60	ARG	CA-C-N	-12.36	95.01	121.45
2	5V	60	ARG	C-N-CA	-12.36	95.01	121.45
2	6N	60	ARG	CA-C-N	-12.36	95.01	121.45
2	6N	60	ARG	C-N-CA	-12.36	95.01	121.45
2	6V	60	ARG	CA-C-N	-12.36	95.01	121.45
2	6V	60	ARG	C-N-CA	-12.36	95.01	121.45
2	7F	60	ARG	CA-C-N	-12.36	95.01	121.45
2	7F	60	ARG	C-N-CA	-12.36	95.01	121.45
2	7R	60	ARG	CA-C-N	-12.36	95.01	121.45
2	7R	60	ARG	C-N-CA	-12.36	95.01	121.45
1	1M	41	ILE	CA-C-N	12.35	144.20	121.97
1	1M	41	ILE	C-N-CA	12.35	144.20	121.97
1	2I	41	ILE	CA-C-N	12.35	144.20	121.97
1	2I	41	ILE	C-N-CA	12.35	144.20	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3A	41	ILE	CA-C-N	12.35	144.20	121.97
1	3A	41	ILE	C-N-CA	12.35	144.20	121.97
1	3I	41	ILE	CA-C-N	12.35	144.20	121.97
1	3I	41	ILE	C-N-CA	12.35	144.20	121.97
1	32	41	ILE	CA-C-N	12.35	144.20	121.97
1	32	41	ILE	C-N-CA	12.35	144.20	121.97
1	4E	41	ILE	CA-C-N	12.35	144.20	121.97
1	4E	41	ILE	C-N-CA	12.35	144.20	121.97
1	4Y	41	ILE	CA-C-N	12.35	144.20	121.97
1	4Y	41	ILE	C-N-CA	12.35	144.20	121.97
1	5U	41	ILE	CA-C-N	12.35	144.20	121.97
1	5U	41	ILE	C-N-CA	12.35	144.20	121.97
1	6M	41	ILE	CA-C-N	12.35	144.20	121.97
1	6M	41	ILE	C-N-CA	12.35	144.20	121.97
1	6U	41	ILE	CA-C-N	12.35	144.20	121.97
1	6U	41	ILE	C-N-CA	12.35	144.20	121.97
1	7E	41	ILE	CA-C-N	12.35	144.20	121.97
1	7E	41	ILE	C-N-CA	12.35	144.20	121.97
1	7Q	41	ILE	CA-C-N	12.35	144.20	121.97
1	7Q	41	ILE	C-N-CA	12.35	144.20	121.97
2	13	60	ARG	CA-C-N	-12.35	95.02	121.45
2	13	60	ARG	C-N-CA	-12.35	95.02	121.45
2	17	60	ARG	CA-C-N	-12.35	95.02	121.45
2	17	60	ARG	C-N-CA	-12.35	95.02	121.45
2	2B	60	ARG	CA-C-N	-12.35	95.02	121.45
2	2B	60	ARG	C-N-CA	-12.35	95.02	121.45
2	3R	60	ARG	CA-C-N	-12.35	95.02	121.45
2	3R	60	ARG	C-N-CA	-12.35	95.02	121.45
2	3V	60	ARG	CA-C-N	-12.35	95.02	121.45
2	3V	60	ARG	C-N-CA	-12.35	95.02	121.45
2	3Z	60	ARG	CA-C-N	-12.35	95.02	121.45
2	3Z	60	ARG	C-N-CA	-12.35	95.02	121.45
2	5F	60	ARG	CA-C-N	-12.35	95.02	121.45
2	5F	60	ARG	C-N-CA	-12.35	95.02	121.45
2	5J	60	ARG	CA-C-N	-12.35	95.02	121.45
2	5J	60	ARG	C-N-CA	-12.35	95.02	121.45
2	5N	60	ARG	CA-C-N	-12.35	95.02	121.45
2	5N	60	ARG	C-N-CA	-12.35	95.02	121.45
2	63	60	ARG	CA-C-N	-12.35	95.02	121.45
2	63	60	ARG	C-N-CA	-12.35	95.02	121.45
2	67	60	ARG	CA-C-N	-12.35	95.02	121.45
2	67	60	ARG	C-N-CA	-12.35	95.02	121.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7B	60	ARG	CA-C-N	-12.35	95.02	121.45
2	7B	60	ARG	C-N-CA	-12.35	95.02	121.45
2	1R	33	PRO	N-CD-CG	12.35	121.72	103.20
2	1V	33	PRO	N-CD-CG	12.35	121.72	103.20
2	1Z	33	PRO	N-CD-CG	12.35	121.72	103.20
2	2R	33	PRO	N-CD-CG	12.35	121.72	103.20
2	2V	33	PRO	N-CD-CG	12.35	121.72	103.20
2	2Z	33	PRO	N-CD-CG	12.35	121.72	103.20
2	43	33	PRO	N-CD-CG	12.35	121.72	103.20
2	47	33	PRO	N-CD-CG	12.35	121.72	103.20
2	5B	33	PRO	N-CD-CG	12.35	121.72	103.20
2	53	33	PRO	N-CD-CG	12.35	121.72	103.20
2	57	33	PRO	N-CD-CG	12.35	121.72	103.20
2	6B	33	PRO	N-CD-CG	12.35	121.72	103.20
2	1R	222	GLN	OE1-CD-NE2	-12.34	110.27	122.60
2	1V	222	GLN	OE1-CD-NE2	-12.34	110.27	122.60
2	1Z	222	GLN	OE1-CD-NE2	-12.34	110.27	122.60
2	13	33	PRO	N-CD-CG	12.34	121.70	103.20
2	17	33	PRO	N-CD-CG	12.34	121.70	103.20
2	2B	33	PRO	N-CD-CG	12.34	121.70	103.20
2	2R	222	GLN	OE1-CD-NE2	-12.34	110.27	122.60
2	2V	222	GLN	OE1-CD-NE2	-12.34	110.27	122.60
2	2Z	222	GLN	OE1-CD-NE2	-12.34	110.27	122.60
2	3R	33	PRO	N-CD-CG	12.34	121.70	103.20
2	3V	33	PRO	N-CD-CG	12.34	121.70	103.20
2	3Z	33	PRO	N-CD-CG	12.34	121.70	103.20
2	43	222	GLN	OE1-CD-NE2	-12.34	110.27	122.60
2	47	222	GLN	OE1-CD-NE2	-12.34	110.27	122.60
2	5B	222	GLN	OE1-CD-NE2	-12.34	110.27	122.60
2	5F	33	PRO	N-CD-CG	12.34	121.70	103.20
2	5J	33	PRO	N-CD-CG	12.34	121.70	103.20
2	5N	33	PRO	N-CD-CG	12.34	121.70	103.20
2	53	222	GLN	OE1-CD-NE2	-12.34	110.27	122.60
2	57	222	GLN	OE1-CD-NE2	-12.34	110.27	122.60
2	6B	222	GLN	OE1-CD-NE2	-12.34	110.27	122.60
2	63	33	PRO	N-CD-CG	12.34	121.70	103.20
2	67	33	PRO	N-CD-CG	12.34	121.70	103.20
2	7B	33	PRO	N-CD-CG	12.34	121.70	103.20
2	1N	33	PRO	N-CD-CG	12.32	121.69	103.20
2	2J	33	PRO	N-CD-CG	12.32	121.69	103.20
2	3B	33	PRO	N-CD-CG	12.32	121.69	103.20
2	3J	33	PRO	N-CD-CG	12.32	121.69	103.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	33	PRO	N-CD-CG	12.32	121.69	103.20
2	4F	33	PRO	N-CD-CG	12.32	121.69	103.20
2	4Z	33	PRO	N-CD-CG	12.32	121.69	103.20
2	5V	33	PRO	N-CD-CG	12.32	121.69	103.20
2	6N	33	PRO	N-CD-CG	12.32	121.69	103.20
2	6V	33	PRO	N-CD-CG	12.32	121.69	103.20
2	7F	33	PRO	N-CD-CG	12.32	121.69	103.20
2	7R	33	PRO	N-CD-CG	12.32	121.69	103.20
2	1B	33	PRO	N-CD-CG	12.32	121.68	103.20
2	1J	33	PRO	N-CD-CG	12.32	121.68	103.20
2	2F	33	PRO	N-CD-CG	12.32	121.68	103.20
2	27	33	PRO	N-CD-CG	12.32	121.68	103.20
2	3F	33	PRO	N-CD-CG	12.32	121.68	103.20
2	4B	33	PRO	N-CD-CG	12.32	121.68	103.20
2	4N	33	PRO	N-CD-CG	12.32	121.68	103.20
2	4V	33	PRO	N-CD-CG	12.32	121.68	103.20
2	5R	33	PRO	N-CD-CG	12.32	121.68	103.20
2	6J	33	PRO	N-CD-CG	12.32	121.68	103.20
2	6R	33	PRO	N-CD-CG	12.32	121.68	103.20
2	7N	33	PRO	N-CD-CG	12.32	121.68	103.20
2	13	220	PHE	O-C-N	12.32	138.39	123.36
2	17	220	PHE	O-C-N	12.32	138.39	123.36
2	2B	220	PHE	O-C-N	12.32	138.39	123.36
2	3R	220	PHE	O-C-N	12.32	138.39	123.36
2	3V	220	PHE	O-C-N	12.32	138.39	123.36
2	3Z	220	PHE	O-C-N	12.32	138.39	123.36
2	5F	220	PHE	O-C-N	12.32	138.39	123.36
2	5J	220	PHE	O-C-N	12.32	138.39	123.36
2	5N	220	PHE	O-C-N	12.32	138.39	123.36
2	63	220	PHE	O-C-N	12.32	138.39	123.36
2	67	220	PHE	O-C-N	12.32	138.39	123.36
2	7B	220	PHE	O-C-N	12.32	138.39	123.36
2	1F	33	PRO	N-CD-CG	12.31	121.67	103.20
2	2N	33	PRO	N-CD-CG	12.31	121.67	103.20
2	23	33	PRO	N-CD-CG	12.31	121.67	103.20
2	3N	33	PRO	N-CD-CG	12.31	121.67	103.20
2	37	33	PRO	N-CD-CG	12.31	121.67	103.20
2	4J	33	PRO	N-CD-CG	12.31	121.67	103.20
2	4R	33	PRO	N-CD-CG	12.31	121.67	103.20
2	5Z	33	PRO	N-CD-CG	12.31	121.67	103.20
2	6F	33	PRO	N-CD-CG	12.31	121.67	103.20
2	6Z	33	PRO	N-CD-CG	12.31	121.67	103.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	33	PRO	N-CD-CG	12.31	121.67	103.20
2	7V	33	PRO	N-CD-CG	12.31	121.67	103.20
1	1Q	25	ASP	CA-C-O	-12.30	102.92	120.51
2	1R	220	PHE	O-C-N	12.30	138.37	123.36
1	1U	25	ASP	CA-C-O	-12.30	102.92	120.51
2	1V	220	PHE	O-C-N	12.30	138.37	123.36
1	1Y	25	ASP	CA-C-O	-12.30	102.92	120.51
2	1Z	220	PHE	O-C-N	12.30	138.37	123.36
1	2Q	25	ASP	CA-C-O	-12.30	102.92	120.51
2	2R	220	PHE	O-C-N	12.30	138.37	123.36
1	2U	25	ASP	CA-C-O	-12.30	102.92	120.51
2	2V	220	PHE	O-C-N	12.30	138.37	123.36
1	2Y	25	ASP	CA-C-O	-12.30	102.92	120.51
2	2Z	220	PHE	O-C-N	12.30	138.37	123.36
1	42	25	ASP	CA-C-O	-12.30	102.92	120.51
2	43	220	PHE	O-C-N	12.30	138.37	123.36
1	46	25	ASP	CA-C-O	-12.30	102.92	120.51
2	47	220	PHE	O-C-N	12.30	138.37	123.36
1	5A	25	ASP	CA-C-O	-12.30	102.92	120.51
2	5B	220	PHE	O-C-N	12.30	138.37	123.36
1	52	25	ASP	CA-C-O	-12.30	102.92	120.51
2	53	220	PHE	O-C-N	12.30	138.37	123.36
1	56	25	ASP	CA-C-O	-12.30	102.92	120.51
2	57	220	PHE	O-C-N	12.30	138.37	123.36
1	6A	25	ASP	CA-C-O	-12.30	102.92	120.51
2	6B	220	PHE	O-C-N	12.30	138.37	123.36
2	1B	222	GLN	OE1-CD-NE2	-12.30	110.30	122.60
2	1J	222	GLN	OE1-CD-NE2	-12.30	110.30	122.60
2	2F	222	GLN	OE1-CD-NE2	-12.30	110.30	122.60
2	27	222	GLN	OE1-CD-NE2	-12.30	110.30	122.60
2	3F	222	GLN	OE1-CD-NE2	-12.30	110.30	122.60
2	4B	222	GLN	OE1-CD-NE2	-12.30	110.30	122.60
2	4N	222	GLN	OE1-CD-NE2	-12.30	110.30	122.60
2	4V	222	GLN	OE1-CD-NE2	-12.30	110.30	122.60
2	5R	222	GLN	OE1-CD-NE2	-12.30	110.30	122.60
2	6J	222	GLN	OE1-CD-NE2	-12.30	110.30	122.60
2	6R	222	GLN	OE1-CD-NE2	-12.30	110.30	122.60
2	7N	222	GLN	OE1-CD-NE2	-12.30	110.30	122.60
2	1F	220	PHE	O-C-N	12.30	138.36	123.36
2	2N	220	PHE	O-C-N	12.30	138.36	123.36
2	23	220	PHE	O-C-N	12.30	138.36	123.36
2	3N	220	PHE	O-C-N	12.30	138.36	123.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	220	PHE	O-C-N	12.30	138.36	123.36
2	4J	220	PHE	O-C-N	12.30	138.36	123.36
2	4R	220	PHE	O-C-N	12.30	138.36	123.36
2	5Z	220	PHE	O-C-N	12.30	138.36	123.36
2	6F	220	PHE	O-C-N	12.30	138.36	123.36
2	6Z	220	PHE	O-C-N	12.30	138.36	123.36
2	7J	220	PHE	O-C-N	12.30	138.36	123.36
2	7V	220	PHE	O-C-N	12.30	138.36	123.36
2	1B	220	PHE	O-C-N	12.29	138.36	123.36
2	1J	220	PHE	O-C-N	12.29	138.36	123.36
2	2F	220	PHE	O-C-N	12.29	138.36	123.36
2	27	220	PHE	O-C-N	12.29	138.36	123.36
2	3F	220	PHE	O-C-N	12.29	138.36	123.36
2	4B	220	PHE	O-C-N	12.29	138.36	123.36
2	4N	220	PHE	O-C-N	12.29	138.36	123.36
2	4V	220	PHE	O-C-N	12.29	138.36	123.36
2	5R	220	PHE	O-C-N	12.29	138.36	123.36
2	6J	220	PHE	O-C-N	12.29	138.36	123.36
2	6R	220	PHE	O-C-N	12.29	138.36	123.36
2	7N	220	PHE	O-C-N	12.29	138.36	123.36
1	1A	149	THR	CA-C-N	-12.29	98.06	121.54
1	1A	149	THR	C-N-CA	-12.29	98.06	121.54
1	1E	40	SER	CA-C-N	12.29	139.01	121.80
1	1E	40	SER	C-N-CA	12.29	139.01	121.80
2	1N	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
1	1E	25	ASP	CA-C-O	-12.29	102.93	120.51
1	1I	149	THR	CA-C-N	-12.29	98.06	121.54
1	1I	149	THR	C-N-CA	-12.29	98.06	121.54
1	12	149	THR	CA-C-N	-12.29	98.06	121.54
1	12	149	THR	C-N-CA	-12.29	98.06	121.54
1	16	149	THR	CA-C-N	-12.29	98.06	121.54
1	16	149	THR	C-N-CA	-12.29	98.06	121.54
1	2A	149	THR	CA-C-N	-12.29	98.06	121.54
1	2A	149	THR	C-N-CA	-12.29	98.06	121.54
1	2E	149	THR	CA-C-N	-12.29	98.06	121.54
1	2E	149	THR	C-N-CA	-12.29	98.06	121.54
2	2J	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
1	2M	40	SER	CA-C-N	12.29	139.01	121.80
1	2M	40	SER	C-N-CA	12.29	139.01	121.80
1	22	40	SER	CA-C-N	12.29	139.01	121.80
1	22	40	SER	C-N-CA	12.29	139.01	121.80
2	3B	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
2	5V	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
2	6V	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
1	2M	25	ASP	CA-C-O	-12.29	102.93	120.51
1	22	25	ASP	CA-C-O	-12.29	102.93	120.51
1	26	149	THR	CA-C-N	-12.29	98.06	121.54
1	26	149	THR	C-N-CA	-12.29	98.06	121.54
1	3E	149	THR	CA-C-N	-12.29	98.06	121.54
1	3E	149	THR	C-N-CA	-12.29	98.06	121.54
2	3J	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
1	3M	40	SER	CA-C-N	12.29	139.01	121.80
1	3M	40	SER	C-N-CA	12.29	139.01	121.80
1	3M	25	ASP	CA-C-O	-12.29	102.93	120.51
1	3Q	149	THR	CA-C-N	-12.29	98.06	121.54
1	3Q	149	THR	C-N-CA	-12.29	98.06	121.54
1	3U	149	THR	CA-C-N	-12.29	98.06	121.54
1	3U	149	THR	C-N-CA	-12.29	98.06	121.54
1	3Y	149	THR	CA-C-N	-12.29	98.06	121.54
1	3Y	149	THR	C-N-CA	-12.29	98.06	121.54
1	36	40	SER	CA-C-N	12.29	139.01	121.80
1	36	40	SER	C-N-CA	12.29	139.01	121.80
1	36	25	ASP	CA-C-O	-12.29	102.93	120.51
1	4A	149	THR	CA-C-N	-12.29	98.06	121.54
1	4A	149	THR	C-N-CA	-12.29	98.06	121.54
2	4F	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
1	4I	40	SER	CA-C-N	12.29	139.01	121.80
1	4I	40	SER	C-N-CA	12.29	139.01	121.80
1	4Q	40	SER	CA-C-N	12.29	139.01	121.80
1	4I	25	ASP	CA-C-O	-12.29	102.93	120.51
1	4M	149	THR	CA-C-N	-12.29	98.06	121.54
1	4M	149	THR	C-N-CA	-12.29	98.06	121.54
1	4Q	40	SER	C-N-CA	12.29	139.01	121.80
1	4Q	25	ASP	CA-C-O	-12.29	102.93	120.51
1	4U	149	THR	CA-C-N	-12.29	98.06	121.54
1	4U	149	THR	C-N-CA	-12.29	98.06	121.54
2	4Z	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
1	5E	149	THR	CA-C-N	-12.29	98.06	121.54
1	5E	149	THR	C-N-CA	-12.29	98.06	121.54
1	5I	149	THR	CA-C-N	-12.29	98.06	121.54
1	5I	149	THR	C-N-CA	-12.29	98.06	121.54
1	5M	149	THR	CA-C-N	-12.29	98.06	121.54
1	5M	149	THR	C-N-CA	-12.29	98.06	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Q	149	THR	CA-C-N	-12.29	98.06	121.54
1	5Q	149	THR	C-N-CA	-12.29	98.06	121.54
1	5Y	40	SER	CA-C-N	12.29	139.01	121.80
1	5Y	40	SER	C-N-CA	12.29	139.01	121.80
1	6E	40	SER	CA-C-N	12.29	139.01	121.80
1	6E	40	SER	C-N-CA	12.29	139.01	121.80
1	6Y	40	SER	CA-C-N	12.29	139.01	121.80
1	6Y	40	SER	C-N-CA	12.29	139.01	121.80
1	5Y	25	ASP	CA-C-O	-12.29	102.93	120.51
1	6E	25	ASP	CA-C-O	-12.29	102.93	120.51
1	6I	149	THR	CA-C-N	-12.29	98.06	121.54
1	6I	149	THR	C-N-CA	-12.29	98.06	121.54
2	6N	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
1	6Q	149	THR	CA-C-N	-12.29	98.06	121.54
1	6Q	149	THR	C-N-CA	-12.29	98.06	121.54
1	6Y	25	ASP	CA-C-O	-12.29	102.93	120.51
1	62	149	THR	CA-C-N	-12.29	98.06	121.54
1	62	149	THR	C-N-CA	-12.29	98.06	121.54
1	66	149	THR	CA-C-N	-12.29	98.06	121.54
1	66	149	THR	C-N-CA	-12.29	98.06	121.54
1	7A	149	THR	CA-C-N	-12.29	98.06	121.54
1	7A	149	THR	C-N-CA	-12.29	98.06	121.54
2	7F	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
1	7I	40	SER	CA-C-N	12.29	139.01	121.80
1	7I	40	SER	C-N-CA	12.29	139.01	121.80
1	7I	25	ASP	CA-C-O	-12.29	102.93	120.51
1	7M	149	THR	CA-C-N	-12.29	98.06	121.54
1	7M	149	THR	C-N-CA	-12.29	98.06	121.54
2	7R	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
1	7U	40	SER	CA-C-N	12.29	139.01	121.80
1	7U	40	SER	C-N-CA	12.29	139.01	121.80
1	7U	25	ASP	CA-C-O	-12.29	102.93	120.51
2	1F	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	1N	220	PHE	O-C-N	12.29	138.35	123.36
2	2J	220	PHE	O-C-N	12.29	138.35	123.36
2	2N	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	23	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	3B	220	PHE	O-C-N	12.29	138.35	123.36
2	3J	220	PHE	O-C-N	12.29	138.35	123.36
2	3N	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	33	220	PHE	O-C-N	12.29	138.35	123.36
2	37	23	HIS	CA-CB-CG	-12.29	101.51	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	220	PHE	O-C-N	12.29	138.35	123.36
2	4J	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	4R	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	4Z	220	PHE	O-C-N	12.29	138.35	123.36
2	5V	220	PHE	O-C-N	12.29	138.35	123.36
2	5Z	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	6F	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	6N	220	PHE	O-C-N	12.29	138.35	123.36
2	6V	220	PHE	O-C-N	12.29	138.35	123.36
2	6Z	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	7F	220	PHE	O-C-N	12.29	138.35	123.36
2	7J	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	7R	220	PHE	O-C-N	12.29	138.35	123.36
2	7V	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	1F	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
2	2N	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
2	23	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
2	3N	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
2	37	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
2	4J	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
2	4R	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
2	5Z	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
2	6F	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
2	6Z	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
2	7J	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
2	7V	222	GLN	OE1-CD-NE2	-12.29	110.31	122.60
1	1Q	148	LEU	N-CA-CB	12.29	128.96	110.29
1	1U	148	LEU	N-CA-CB	12.29	128.96	110.29
1	1Y	148	LEU	N-CA-CB	12.29	128.96	110.29
2	13	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	17	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	2B	23	HIS	CA-CB-CG	-12.29	101.51	113.80
1	2Q	148	LEU	N-CA-CB	12.29	128.96	110.29
1	2U	148	LEU	N-CA-CB	12.29	128.96	110.29
1	2Y	148	LEU	N-CA-CB	12.29	128.96	110.29
2	3R	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	3V	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	3Z	23	HIS	CA-CB-CG	-12.29	101.51	113.80
1	42	148	LEU	N-CA-CB	12.29	128.96	110.29
1	46	148	LEU	N-CA-CB	12.29	128.96	110.29
1	5A	148	LEU	N-CA-CB	12.29	128.96	110.29
2	5F	23	HIS	CA-CB-CG	-12.29	101.51	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5J	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	5N	23	HIS	CA-CB-CG	-12.29	101.51	113.80
1	52	148	LEU	N-CA-CB	12.29	128.96	110.29
1	56	148	LEU	N-CA-CB	12.29	128.96	110.29
1	6A	148	LEU	N-CA-CB	12.29	128.96	110.29
2	63	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	67	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	7B	23	HIS	CA-CB-CG	-12.29	101.51	113.80
2	1B	23	HIS	CA-CB-CG	-12.28	101.52	113.80
1	1E	149	THR	CA-C-N	-12.28	98.08	121.54
1	1E	149	THR	C-N-CA	-12.28	98.08	121.54
2	1J	23	HIS	CA-CB-CG	-12.28	101.52	113.80
2	2F	23	HIS	CA-CB-CG	-12.28	101.52	113.80
1	2M	149	THR	CA-C-N	-12.28	98.08	121.54
1	2M	149	THR	C-N-CA	-12.28	98.08	121.54
1	22	149	THR	CA-C-N	-12.28	98.08	121.54
1	22	149	THR	C-N-CA	-12.28	98.08	121.54
2	27	23	HIS	CA-CB-CG	-12.28	101.52	113.80
2	3F	23	HIS	CA-CB-CG	-12.28	101.52	113.80
1	3M	149	THR	CA-C-N	-12.28	98.08	121.54
1	3M	149	THR	C-N-CA	-12.28	98.08	121.54
1	36	149	THR	CA-C-N	-12.28	98.08	121.54
1	36	149	THR	C-N-CA	-12.28	98.08	121.54
2	4B	23	HIS	CA-CB-CG	-12.28	101.52	113.80
1	4I	149	THR	CA-C-N	-12.28	98.08	121.54
1	4I	149	THR	C-N-CA	-12.28	98.08	121.54
2	4N	23	HIS	CA-CB-CG	-12.28	101.52	113.80
1	4Q	149	THR	CA-C-N	-12.28	98.08	121.54
1	4Q	149	THR	C-N-CA	-12.28	98.08	121.54
2	4V	23	HIS	CA-CB-CG	-12.28	101.52	113.80
2	5R	23	HIS	CA-CB-CG	-12.28	101.52	113.80
1	5Y	149	THR	CA-C-N	-12.28	98.08	121.54
1	5Y	149	THR	C-N-CA	-12.28	98.08	121.54
1	6E	149	THR	CA-C-N	-12.28	98.08	121.54
1	6E	149	THR	C-N-CA	-12.28	98.08	121.54
2	6J	23	HIS	CA-CB-CG	-12.28	101.52	113.80
2	6R	23	HIS	CA-CB-CG	-12.28	101.52	113.80
1	6Y	149	THR	CA-C-N	-12.28	98.08	121.54
1	6Y	149	THR	C-N-CA	-12.28	98.08	121.54
1	7I	149	THR	CA-C-N	-12.28	98.08	121.54
1	7I	149	THR	C-N-CA	-12.28	98.08	121.54
2	7N	23	HIS	CA-CB-CG	-12.28	101.52	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	149	THR	CA-C-N	-12.28	98.08	121.54
1	7U	149	THR	C-N-CA	-12.28	98.08	121.54
1	1A	25	ASP	CA-C-O	-12.28	102.95	120.51
1	1A	148	LEU	N-CA-CB	12.28	128.95	110.29
1	1I	25	ASP	CA-C-O	-12.28	102.95	120.51
1	1I	148	LEU	N-CA-CB	12.28	128.95	110.29
1	1M	40	SER	CA-C-N	12.28	138.99	121.80
1	1M	40	SER	C-N-CA	12.28	138.99	121.80
1	2E	25	ASP	CA-C-O	-12.28	102.95	120.51
1	2E	148	LEU	N-CA-CB	12.28	128.95	110.29
1	2I	40	SER	CA-C-N	12.28	138.99	121.80
1	2I	40	SER	C-N-CA	12.28	138.99	121.80
1	26	25	ASP	CA-C-O	-12.28	102.95	120.51
1	26	148	LEU	N-CA-CB	12.28	128.95	110.29
1	3A	40	SER	CA-C-N	12.28	138.99	121.80
1	3A	40	SER	C-N-CA	12.28	138.99	121.80
1	3E	25	ASP	CA-C-O	-12.28	102.95	120.51
1	3E	148	LEU	N-CA-CB	12.28	128.95	110.29
1	3I	40	SER	CA-C-N	12.28	138.99	121.80
1	3I	40	SER	C-N-CA	12.28	138.99	121.80
1	32	40	SER	CA-C-N	12.28	138.99	121.80
1	32	40	SER	C-N-CA	12.28	138.99	121.80
1	4A	25	ASP	CA-C-O	-12.28	102.95	120.51
1	4A	148	LEU	N-CA-CB	12.28	128.95	110.29
1	4E	40	SER	CA-C-N	12.28	138.99	121.80
1	4E	40	SER	C-N-CA	12.28	138.99	121.80
1	4M	25	ASP	CA-C-O	-12.28	102.95	120.51
1	4M	148	LEU	N-CA-CB	12.28	128.95	110.29
1	4U	25	ASP	CA-C-O	-12.28	102.95	120.51
1	4U	148	LEU	N-CA-CB	12.28	128.95	110.29
1	4Y	40	SER	CA-C-N	12.28	138.99	121.80
1	4Y	40	SER	C-N-CA	12.28	138.99	121.80
1	5Q	25	ASP	CA-C-O	-12.28	102.95	120.51
1	5Q	148	LEU	N-CA-CB	12.28	128.95	110.29
1	5U	40	SER	CA-C-N	12.28	138.99	121.80
1	5U	40	SER	C-N-CA	12.28	138.99	121.80
1	6I	25	ASP	CA-C-O	-12.28	102.95	120.51
1	6I	148	LEU	N-CA-CB	12.28	128.95	110.29
1	6M	40	SER	CA-C-N	12.28	138.99	121.80
1	6M	40	SER	C-N-CA	12.28	138.99	121.80
1	6Q	25	ASP	CA-C-O	-12.28	102.95	120.51
1	6Q	148	LEU	N-CA-CB	12.28	128.95	110.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6U	40	SER	CA-C-N	12.28	138.99	121.80
1	6U	40	SER	C-N-CA	12.28	138.99	121.80
1	7E	40	SER	CA-C-N	12.28	138.99	121.80
1	7E	40	SER	C-N-CA	12.28	138.99	121.80
1	7M	25	ASP	CA-C-O	-12.28	102.95	120.51
1	7M	148	LEU	N-CA-CB	12.28	128.95	110.29
1	7Q	40	SER	CA-C-N	12.28	138.99	121.80
1	7Q	40	SER	C-N-CA	12.28	138.99	121.80
1	1M	149	THR	CA-C-N	-12.28	98.09	121.54
1	1M	149	THR	C-N-CA	-12.28	98.09	121.54
1	1Q	149	THR	CA-C-N	-12.28	98.09	121.54
1	1Q	149	THR	C-N-CA	-12.28	98.09	121.54
1	1U	149	THR	CA-C-N	-12.28	98.09	121.54
1	1U	149	THR	C-N-CA	-12.28	98.09	121.54
1	1Y	149	THR	CA-C-N	-12.28	98.09	121.54
1	1Y	149	THR	C-N-CA	-12.28	98.09	121.54
1	2I	149	THR	CA-C-N	-12.28	98.09	121.54
1	2I	149	THR	C-N-CA	-12.28	98.09	121.54
1	2Q	149	THR	CA-C-N	-12.28	98.09	121.54
1	2Q	149	THR	C-N-CA	-12.28	98.09	121.54
1	2U	149	THR	CA-C-N	-12.28	98.09	121.54
1	2U	149	THR	C-N-CA	-12.28	98.09	121.54
1	2Y	149	THR	CA-C-N	-12.28	98.09	121.54
1	2Y	149	THR	C-N-CA	-12.28	98.09	121.54
1	3A	149	THR	CA-C-N	-12.28	98.09	121.54
1	3A	149	THR	C-N-CA	-12.28	98.09	121.54
1	3I	149	THR	CA-C-N	-12.28	98.09	121.54
1	3I	149	THR	C-N-CA	-12.28	98.09	121.54
1	32	149	THR	CA-C-N	-12.28	98.09	121.54
1	32	149	THR	C-N-CA	-12.28	98.09	121.54
1	4E	149	THR	CA-C-N	-12.28	98.09	121.54
1	4E	149	THR	C-N-CA	-12.28	98.09	121.54
1	4Y	149	THR	CA-C-N	-12.28	98.09	121.54
1	4Y	149	THR	C-N-CA	-12.28	98.09	121.54
1	42	149	THR	CA-C-N	-12.28	98.09	121.54
1	42	149	THR	C-N-CA	-12.28	98.09	121.54
1	46	149	THR	CA-C-N	-12.28	98.09	121.54
1	46	149	THR	C-N-CA	-12.28	98.09	121.54
1	5A	149	THR	CA-C-N	-12.28	98.09	121.54
1	5A	149	THR	C-N-CA	-12.28	98.09	121.54
1	5U	149	THR	CA-C-N	-12.28	98.09	121.54
1	5U	149	THR	C-N-CA	-12.28	98.09	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	52	149	THR	CA-C-N	-12.28	98.09	121.54
1	52	149	THR	C-N-CA	-12.28	98.09	121.54
1	56	149	THR	CA-C-N	-12.28	98.09	121.54
1	56	149	THR	C-N-CA	-12.28	98.09	121.54
1	6A	149	THR	CA-C-N	-12.28	98.09	121.54
1	6A	149	THR	C-N-CA	-12.28	98.09	121.54
1	6M	149	THR	CA-C-N	-12.28	98.09	121.54
1	6M	149	THR	C-N-CA	-12.28	98.09	121.54
1	6U	149	THR	CA-C-N	-12.28	98.09	121.54
1	6U	149	THR	C-N-CA	-12.28	98.09	121.54
1	7E	149	THR	CA-C-N	-12.28	98.09	121.54
1	7E	149	THR	C-N-CA	-12.28	98.09	121.54
1	7Q	149	THR	CA-C-N	-12.28	98.09	121.54
1	7Q	149	THR	C-N-CA	-12.28	98.09	121.54
1	1M	148	LEU	N-CA-CB	12.27	128.94	110.29
1	2I	148	LEU	N-CA-CB	12.27	128.94	110.29
1	3A	148	LEU	N-CA-CB	12.27	128.94	110.29
1	3I	148	LEU	N-CA-CB	12.27	128.94	110.29
1	32	148	LEU	N-CA-CB	12.27	128.94	110.29
1	4E	148	LEU	N-CA-CB	12.27	128.94	110.29
1	4Y	148	LEU	N-CA-CB	12.27	128.94	110.29
1	5U	148	LEU	N-CA-CB	12.27	128.94	110.29
1	6M	148	LEU	N-CA-CB	12.27	128.94	110.29
1	6U	148	LEU	N-CA-CB	12.27	128.94	110.29
1	7E	148	LEU	N-CA-CB	12.27	128.94	110.29
1	7Q	148	LEU	N-CA-CB	12.27	128.94	110.29
1	1M	25	ASP	CA-C-O	-12.27	102.96	120.51
1	2I	25	ASP	CA-C-O	-12.27	102.96	120.51
1	3A	25	ASP	CA-C-O	-12.27	102.96	120.51
1	3I	25	ASP	CA-C-O	-12.27	102.96	120.51
1	32	25	ASP	CA-C-O	-12.27	102.96	120.51
1	4E	25	ASP	CA-C-O	-12.27	102.96	120.51
1	4Y	25	ASP	CA-C-O	-12.27	102.96	120.51
1	5U	25	ASP	CA-C-O	-12.27	102.96	120.51
1	6M	25	ASP	CA-C-O	-12.27	102.96	120.51
1	6U	25	ASP	CA-C-O	-12.27	102.96	120.51
1	7E	25	ASP	CA-C-O	-12.27	102.96	120.51
1	7Q	25	ASP	CA-C-O	-12.27	102.96	120.51
2	13	222	GLN	OE1-CD-NE2	-12.27	110.33	122.60
2	17	222	GLN	OE1-CD-NE2	-12.27	110.33	122.60
2	2B	222	GLN	OE1-CD-NE2	-12.27	110.33	122.60
2	3R	222	GLN	OE1-CD-NE2	-12.27	110.33	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	222	GLN	OE1-CD-NE2	-12.27	110.33	122.60
2	3Z	222	GLN	OE1-CD-NE2	-12.27	110.33	122.60
2	5F	222	GLN	OE1-CD-NE2	-12.27	110.33	122.60
2	5J	222	GLN	OE1-CD-NE2	-12.27	110.33	122.60
2	5N	222	GLN	OE1-CD-NE2	-12.27	110.33	122.60
2	63	222	GLN	OE1-CD-NE2	-12.27	110.33	122.60
2	67	222	GLN	OE1-CD-NE2	-12.27	110.33	122.60
2	7B	222	GLN	OE1-CD-NE2	-12.27	110.33	122.60
1	1Q	40	SER	CA-C-N	12.27	138.97	121.80
1	1Q	40	SER	C-N-CA	12.27	138.97	121.80
1	1U	40	SER	CA-C-N	12.27	138.97	121.80
1	1U	40	SER	C-N-CA	12.27	138.97	121.80
1	1Y	40	SER	CA-C-N	12.27	138.97	121.80
1	1Y	40	SER	C-N-CA	12.27	138.97	121.80
1	2Q	40	SER	CA-C-N	12.27	138.97	121.80
1	2Q	40	SER	C-N-CA	12.27	138.97	121.80
1	2U	40	SER	CA-C-N	12.27	138.97	121.80
1	2U	40	SER	C-N-CA	12.27	138.97	121.80
1	2Y	40	SER	CA-C-N	12.27	138.97	121.80
1	2Y	40	SER	C-N-CA	12.27	138.97	121.80
1	42	40	SER	CA-C-N	12.27	138.97	121.80
1	42	40	SER	C-N-CA	12.27	138.97	121.80
1	46	40	SER	CA-C-N	12.27	138.97	121.80
1	46	40	SER	C-N-CA	12.27	138.97	121.80
1	5A	40	SER	CA-C-N	12.27	138.97	121.80
1	5A	40	SER	C-N-CA	12.27	138.97	121.80
1	52	40	SER	CA-C-N	12.27	138.97	121.80
1	52	40	SER	C-N-CA	12.27	138.97	121.80
1	56	40	SER	CA-C-N	12.27	138.97	121.80
1	56	40	SER	C-N-CA	12.27	138.97	121.80
1	6A	40	SER	CA-C-N	12.27	138.97	121.80
1	6A	40	SER	C-N-CA	12.27	138.97	121.80
1	12	148	LEU	N-CA-CB	12.27	128.93	110.29
1	16	148	LEU	N-CA-CB	12.27	128.93	110.29
1	2A	148	LEU	N-CA-CB	12.27	128.93	110.29
1	3Q	148	LEU	N-CA-CB	12.27	128.93	110.29
1	3U	148	LEU	N-CA-CB	12.27	128.93	110.29
1	3Y	148	LEU	N-CA-CB	12.27	128.93	110.29
1	5E	148	LEU	N-CA-CB	12.27	128.93	110.29
1	5I	148	LEU	N-CA-CB	12.27	128.93	110.29
1	5M	148	LEU	N-CA-CB	12.27	128.93	110.29
1	62	148	LEU	N-CA-CB	12.27	128.93	110.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	148	LEU	N-CA-CB	12.27	128.93	110.29
1	7A	148	LEU	N-CA-CB	12.27	128.93	110.29
2	13	220	PHE	CG-CD2-CE2	-12.26	99.85	120.70
2	17	220	PHE	CG-CD2-CE2	-12.26	99.85	120.70
2	2B	220	PHE	CG-CD2-CE2	-12.26	99.85	120.70
2	3R	220	PHE	CG-CD2-CE2	-12.26	99.85	120.70
2	3V	220	PHE	CG-CD2-CE2	-12.26	99.85	120.70
2	3Z	220	PHE	CG-CD2-CE2	-12.26	99.85	120.70
2	5F	220	PHE	CG-CD2-CE2	-12.26	99.85	120.70
2	5J	220	PHE	CG-CD2-CE2	-12.26	99.85	120.70
2	5N	220	PHE	CG-CD2-CE2	-12.26	99.85	120.70
2	63	220	PHE	CG-CD2-CE2	-12.26	99.85	120.70
2	67	220	PHE	CG-CD2-CE2	-12.26	99.85	120.70
2	7B	220	PHE	CG-CD2-CE2	-12.26	99.85	120.70
2	1F	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	2N	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	23	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	3N	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	37	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	4J	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	4R	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	5Z	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	6F	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	6Z	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	7J	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	7V	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	1N	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	2J	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	3B	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	3J	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	33	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	4F	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	4Z	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	5V	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	6N	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	6V	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	7F	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	7R	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	1B	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	1J	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	1R	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	1V	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1Z	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	2F	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	2R	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	2V	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	2Z	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	27	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	3F	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	4B	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	4N	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	4V	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	43	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	47	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	5B	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	5R	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	53	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	57	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	6B	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	6J	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	6R	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	7N	220	PHE	CG-CD2-CE2	-12.26	99.86	120.70
2	1R	23	HIS	CA-CB-CG	-12.26	101.55	113.80
2	1V	23	HIS	CA-CB-CG	-12.26	101.55	113.80
2	1Z	23	HIS	CA-CB-CG	-12.26	101.55	113.80
2	2R	23	HIS	CA-CB-CG	-12.26	101.55	113.80
2	2V	23	HIS	CA-CB-CG	-12.26	101.55	113.80
2	2Z	23	HIS	CA-CB-CG	-12.26	101.55	113.80
2	43	23	HIS	CA-CB-CG	-12.26	101.55	113.80
2	47	23	HIS	CA-CB-CG	-12.26	101.55	113.80
2	5B	23	HIS	CA-CB-CG	-12.26	101.55	113.80
2	53	23	HIS	CA-CB-CG	-12.26	101.55	113.80
2	57	23	HIS	CA-CB-CG	-12.26	101.55	113.80
2	6B	23	HIS	CA-CB-CG	-12.26	101.55	113.80
1	12	40	SER	CA-C-N	12.25	138.96	121.80
1	12	40	SER	C-N-CA	12.25	138.96	121.80
1	16	40	SER	CA-C-N	12.25	138.96	121.80
1	16	40	SER	C-N-CA	12.25	138.96	121.80
1	2A	40	SER	CA-C-N	12.25	138.96	121.80
1	2A	40	SER	C-N-CA	12.25	138.96	121.80
1	3Q	40	SER	CA-C-N	12.25	138.96	121.80
1	3Q	40	SER	C-N-CA	12.25	138.96	121.80
1	3U	40	SER	CA-C-N	12.25	138.96	121.80
1	3U	40	SER	C-N-CA	12.25	138.96	121.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Y	40	SER	CA-C-N	12.25	138.96	121.80
1	3Y	40	SER	C-N-CA	12.25	138.96	121.80
1	5E	40	SER	CA-C-N	12.25	138.96	121.80
1	5E	40	SER	C-N-CA	12.25	138.96	121.80
1	5I	40	SER	CA-C-N	12.25	138.96	121.80
1	5I	40	SER	C-N-CA	12.25	138.96	121.80
1	5M	40	SER	CA-C-N	12.25	138.96	121.80
1	5M	40	SER	C-N-CA	12.25	138.96	121.80
1	62	40	SER	CA-C-N	12.25	138.96	121.80
1	62	40	SER	C-N-CA	12.25	138.96	121.80
1	66	40	SER	CA-C-N	12.25	138.96	121.80
1	66	40	SER	C-N-CA	12.25	138.96	121.80
1	7A	40	SER	CA-C-N	12.25	138.96	121.80
1	7A	40	SER	C-N-CA	12.25	138.96	121.80
1	12	25	ASP	CA-C-O	-12.25	102.99	120.51
1	16	25	ASP	CA-C-O	-12.25	102.99	120.51
1	2A	25	ASP	CA-C-O	-12.25	102.99	120.51
1	3Q	25	ASP	CA-C-O	-12.25	102.99	120.51
1	3U	25	ASP	CA-C-O	-12.25	102.99	120.51
1	3Y	25	ASP	CA-C-O	-12.25	102.99	120.51
1	5E	25	ASP	CA-C-O	-12.25	102.99	120.51
1	5I	25	ASP	CA-C-O	-12.25	102.99	120.51
1	5M	25	ASP	CA-C-O	-12.25	102.99	120.51
1	62	25	ASP	CA-C-O	-12.25	102.99	120.51
1	66	25	ASP	CA-C-O	-12.25	102.99	120.51
1	7A	25	ASP	CA-C-O	-12.25	102.99	120.51
1	1E	148	LEU	N-CA-CB	12.25	128.91	110.29
1	2M	148	LEU	N-CA-CB	12.25	128.91	110.29
1	22	148	LEU	N-CA-CB	12.25	128.91	110.29
1	3M	148	LEU	N-CA-CB	12.25	128.91	110.29
1	36	148	LEU	N-CA-CB	12.25	128.91	110.29
1	4I	148	LEU	N-CA-CB	12.25	128.91	110.29
1	4Q	148	LEU	N-CA-CB	12.25	128.91	110.29
1	5Y	148	LEU	N-CA-CB	12.25	128.91	110.29
1	6E	148	LEU	N-CA-CB	12.25	128.91	110.29
1	6Y	148	LEU	N-CA-CB	12.25	128.91	110.29
1	7I	148	LEU	N-CA-CB	12.25	128.91	110.29
1	7U	148	LEU	N-CA-CB	12.25	128.91	110.29
1	1A	40	SER	CA-C-N	12.24	138.94	121.80
1	1A	40	SER	C-N-CA	12.24	138.94	121.80
1	1I	40	SER	CA-C-N	12.24	138.94	121.80
1	1I	40	SER	C-N-CA	12.24	138.94	121.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2E	40	SER	CA-C-N	12.24	138.94	121.80
1	2E	40	SER	C-N-CA	12.24	138.94	121.80
1	26	40	SER	CA-C-N	12.24	138.94	121.80
1	26	40	SER	C-N-CA	12.24	138.94	121.80
1	3E	40	SER	CA-C-N	12.24	138.94	121.80
1	3E	40	SER	C-N-CA	12.24	138.94	121.80
1	4A	40	SER	CA-C-N	12.24	138.94	121.80
1	4A	40	SER	C-N-CA	12.24	138.94	121.80
1	4M	40	SER	CA-C-N	12.24	138.94	121.80
1	4M	40	SER	C-N-CA	12.24	138.94	121.80
1	4U	40	SER	CA-C-N	12.24	138.94	121.80
1	4U	40	SER	C-N-CA	12.24	138.94	121.80
1	5Q	40	SER	CA-C-N	12.24	138.94	121.80
1	5Q	40	SER	C-N-CA	12.24	138.94	121.80
1	6I	40	SER	CA-C-N	12.24	138.94	121.80
1	6I	40	SER	C-N-CA	12.24	138.94	121.80
1	6Q	40	SER	CA-C-N	12.24	138.94	121.80
1	6Q	40	SER	C-N-CA	12.24	138.94	121.80
1	7M	40	SER	CA-C-N	12.24	138.94	121.80
1	7M	40	SER	C-N-CA	12.24	138.94	121.80
2	1N	23	HIS	CA-CB-CG	-12.24	101.56	113.80
2	2J	23	HIS	CA-CB-CG	-12.24	101.56	113.80
2	3B	23	HIS	CA-CB-CG	-12.24	101.56	113.80
2	3J	23	HIS	CA-CB-CG	-12.24	101.56	113.80
2	33	23	HIS	CA-CB-CG	-12.24	101.56	113.80
2	4F	23	HIS	CA-CB-CG	-12.24	101.56	113.80
2	4Z	23	HIS	CA-CB-CG	-12.24	101.56	113.80
2	5V	23	HIS	CA-CB-CG	-12.24	101.56	113.80
2	6N	23	HIS	CA-CB-CG	-12.24	101.56	113.80
2	6V	23	HIS	CA-CB-CG	-12.24	101.56	113.80
2	7F	23	HIS	CA-CB-CG	-12.24	101.56	113.80
2	7R	23	HIS	CA-CB-CG	-12.24	101.56	113.80
1	1A	7	GLN	CB-CG-CD	-12.23	91.81	112.60
1	1I	7	GLN	CB-CG-CD	-12.23	91.81	112.60
1	2E	7	GLN	CB-CG-CD	-12.23	91.81	112.60
1	26	7	GLN	CB-CG-CD	-12.23	91.81	112.60
1	3E	7	GLN	CB-CG-CD	-12.23	91.81	112.60
1	4A	7	GLN	CB-CG-CD	-12.23	91.81	112.60
1	4M	7	GLN	CB-CG-CD	-12.23	91.81	112.60
1	4U	7	GLN	CB-CG-CD	-12.23	91.81	112.60
1	5Q	7	GLN	CB-CG-CD	-12.23	91.81	112.60
1	6I	7	GLN	CB-CG-CD	-12.23	91.81	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	7	GLN	CB-CG-CD	-12.23	91.81	112.60
1	7M	7	GLN	CB-CG-CD	-12.23	91.81	112.60
1	1M	7	GLN	CB-CG-CD	-12.22	91.82	112.60
1	2I	7	GLN	CB-CG-CD	-12.22	91.82	112.60
1	3A	7	GLN	CB-CG-CD	-12.22	91.82	112.60
1	3I	7	GLN	CB-CG-CD	-12.22	91.82	112.60
1	32	7	GLN	CB-CG-CD	-12.22	91.82	112.60
1	4E	7	GLN	CB-CG-CD	-12.22	91.82	112.60
1	4Y	7	GLN	CB-CG-CD	-12.22	91.82	112.60
1	5U	7	GLN	CB-CG-CD	-12.22	91.82	112.60
1	6M	7	GLN	CB-CG-CD	-12.22	91.82	112.60
1	6U	7	GLN	CB-CG-CD	-12.22	91.82	112.60
1	7E	7	GLN	CB-CG-CD	-12.22	91.82	112.60
1	7Q	7	GLN	CB-CG-CD	-12.22	91.82	112.60
1	1E	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	1Q	7	GLN	CB-CG-CD	-12.21	91.83	112.60
1	1U	7	GLN	CB-CG-CD	-12.21	91.83	112.60
1	1Y	7	GLN	CB-CG-CD	-12.21	91.83	112.60
1	2M	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	2Q	7	GLN	CB-CG-CD	-12.21	91.83	112.60
1	2U	7	GLN	CB-CG-CD	-12.21	91.83	112.60
1	2Y	7	GLN	CB-CG-CD	-12.21	91.83	112.60
1	22	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	3M	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	36	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	4I	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	4Q	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	42	7	GLN	CB-CG-CD	-12.21	91.83	112.60
1	46	7	GLN	CB-CG-CD	-12.21	91.83	112.60
1	5A	7	GLN	CB-CG-CD	-12.21	91.83	112.60
1	5Y	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	52	7	GLN	CB-CG-CD	-12.21	91.83	112.60
1	56	7	GLN	CB-CG-CD	-12.21	91.83	112.60
1	6A	7	GLN	CB-CG-CD	-12.21	91.83	112.60
1	6E	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	6Y	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	7I	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	7U	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	12	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	16	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	2A	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	3Q	7	GLN	CB-CG-CD	-12.21	91.84	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	3Y	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	5E	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	5I	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	5M	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	62	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	66	7	GLN	CB-CG-CD	-12.21	91.84	112.60
1	7A	7	GLN	CB-CG-CD	-12.21	91.84	112.60
2	1R	221	ALA	CA-C-O	-12.20	106.92	121.32
2	1V	221	ALA	CA-C-O	-12.20	106.92	121.32
2	1Z	221	ALA	CA-C-O	-12.20	106.92	121.32
2	2R	221	ALA	CA-C-O	-12.20	106.92	121.32
2	2V	221	ALA	CA-C-O	-12.20	106.92	121.32
2	2Z	221	ALA	CA-C-O	-12.20	106.92	121.32
2	43	221	ALA	CA-C-O	-12.20	106.92	121.32
2	47	221	ALA	CA-C-O	-12.20	106.92	121.32
2	5B	221	ALA	CA-C-O	-12.20	106.92	121.32
2	53	221	ALA	CA-C-O	-12.20	106.92	121.32
2	57	221	ALA	CA-C-O	-12.20	106.92	121.32
2	6B	221	ALA	CA-C-O	-12.20	106.92	121.32
1	12	37	ALA	O-C-N	12.20	132.81	121.71
1	16	37	ALA	O-C-N	12.20	132.81	121.71
1	2A	37	ALA	O-C-N	12.20	132.81	121.71
1	3Q	37	ALA	O-C-N	12.20	132.81	121.71
1	3U	37	ALA	O-C-N	12.20	132.81	121.71
1	3Y	37	ALA	O-C-N	12.20	132.81	121.71
1	5E	37	ALA	O-C-N	12.20	132.81	121.71
1	5I	37	ALA	O-C-N	12.20	132.81	121.71
1	5M	37	ALA	O-C-N	12.20	132.81	121.71
1	62	37	ALA	O-C-N	12.20	132.81	121.71
1	66	37	ALA	O-C-N	12.20	132.81	121.71
1	7A	37	ALA	O-C-N	12.20	132.81	121.71
1	1E	37	ALA	O-C-N	12.20	132.81	121.71
1	2M	37	ALA	O-C-N	12.20	132.81	121.71
1	22	37	ALA	O-C-N	12.20	132.81	121.71
1	3M	37	ALA	O-C-N	12.20	132.81	121.71
1	36	37	ALA	O-C-N	12.20	132.81	121.71
1	4I	37	ALA	O-C-N	12.20	132.81	121.71
1	4Q	37	ALA	O-C-N	12.20	132.81	121.71
1	5Y	37	ALA	O-C-N	12.20	132.81	121.71
1	6E	37	ALA	O-C-N	12.20	132.81	121.71
1	6Y	37	ALA	O-C-N	12.20	132.81	121.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	37	ALA	O-C-N	12.20	132.81	121.71
1	7U	37	ALA	O-C-N	12.20	132.81	121.71
1	1Q	37	ALA	O-C-N	12.20	132.81	121.71
1	1U	37	ALA	O-C-N	12.20	132.81	121.71
1	1Y	37	ALA	O-C-N	12.20	132.81	121.71
1	2Q	37	ALA	O-C-N	12.20	132.81	121.71
1	2U	37	ALA	O-C-N	12.20	132.81	121.71
1	2Y	37	ALA	O-C-N	12.20	132.81	121.71
1	42	37	ALA	O-C-N	12.20	132.81	121.71
1	46	37	ALA	O-C-N	12.20	132.81	121.71
1	5A	37	ALA	O-C-N	12.20	132.81	121.71
1	52	37	ALA	O-C-N	12.20	132.81	121.71
1	56	37	ALA	O-C-N	12.20	132.81	121.71
1	6A	37	ALA	O-C-N	12.20	132.81	121.71
2	13	221	ALA	CA-C-O	-12.19	106.93	121.32
2	17	221	ALA	CA-C-O	-12.19	106.93	121.32
2	2B	221	ALA	CA-C-O	-12.19	106.93	121.32
2	3R	221	ALA	CA-C-O	-12.19	106.93	121.32
2	3V	221	ALA	CA-C-O	-12.19	106.93	121.32
2	3Z	221	ALA	CA-C-O	-12.19	106.93	121.32
2	5F	221	ALA	CA-C-O	-12.19	106.93	121.32
2	5J	221	ALA	CA-C-O	-12.19	106.93	121.32
2	5N	221	ALA	CA-C-O	-12.19	106.93	121.32
2	63	221	ALA	CA-C-O	-12.19	106.93	121.32
2	67	221	ALA	CA-C-O	-12.19	106.93	121.32
2	7B	221	ALA	CA-C-O	-12.19	106.93	121.32
1	1M	37	ALA	O-C-N	12.18	132.79	121.71
1	2I	37	ALA	O-C-N	12.18	132.79	121.71
1	3A	37	ALA	O-C-N	12.18	132.79	121.71
1	3I	37	ALA	O-C-N	12.18	132.79	121.71
1	32	37	ALA	O-C-N	12.18	132.79	121.71
1	4E	37	ALA	O-C-N	12.18	132.79	121.71
1	4Y	37	ALA	O-C-N	12.18	132.79	121.71
1	5U	37	ALA	O-C-N	12.18	132.79	121.71
1	6M	37	ALA	O-C-N	12.18	132.79	121.71
1	6U	37	ALA	O-C-N	12.18	132.79	121.71
1	7E	37	ALA	O-C-N	12.18	132.79	121.71
1	7Q	37	ALA	O-C-N	12.18	132.79	121.71
1	1A	37	ALA	O-C-N	12.17	132.79	121.71
1	1I	37	ALA	O-C-N	12.17	132.79	121.71
1	2E	37	ALA	O-C-N	12.17	132.79	121.71
1	26	37	ALA	O-C-N	12.17	132.79	121.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	37	ALA	O-C-N	12.17	132.79	121.71
1	4A	37	ALA	O-C-N	12.17	132.79	121.71
1	4M	37	ALA	O-C-N	12.17	132.79	121.71
1	4U	37	ALA	O-C-N	12.17	132.79	121.71
1	5Q	37	ALA	O-C-N	12.17	132.79	121.71
1	6I	37	ALA	O-C-N	12.17	132.79	121.71
1	6Q	37	ALA	O-C-N	12.17	132.79	121.71
1	7M	37	ALA	O-C-N	12.17	132.79	121.71
2	1B	221	ALA	CA-C-O	-12.17	106.96	121.32
2	1J	221	ALA	CA-C-O	-12.17	106.96	121.32
2	2F	221	ALA	CA-C-O	-12.17	106.96	121.32
2	27	221	ALA	CA-C-O	-12.17	106.96	121.32
2	3F	221	ALA	CA-C-O	-12.17	106.96	121.32
2	4B	221	ALA	CA-C-O	-12.17	106.96	121.32
2	4N	221	ALA	CA-C-O	-12.17	106.96	121.32
2	4V	221	ALA	CA-C-O	-12.17	106.96	121.32
2	5R	221	ALA	CA-C-O	-12.17	106.96	121.32
2	6J	221	ALA	CA-C-O	-12.17	106.96	121.32
2	6R	221	ALA	CA-C-O	-12.17	106.96	121.32
2	7N	221	ALA	CA-C-O	-12.17	106.96	121.32
2	1N	72	ARG	CA-C-N	-12.14	97.71	120.66
2	1N	72	ARG	C-N-CA	-12.14	97.71	120.66
2	2J	72	ARG	CA-C-N	-12.14	97.71	120.66
2	2J	72	ARG	C-N-CA	-12.14	97.71	120.66
2	3B	72	ARG	CA-C-N	-12.14	97.71	120.66
2	3B	72	ARG	C-N-CA	-12.14	97.71	120.66
2	3J	72	ARG	CA-C-N	-12.14	97.71	120.66
2	3J	72	ARG	C-N-CA	-12.14	97.71	120.66
2	33	72	ARG	CA-C-N	-12.14	97.71	120.66
2	33	72	ARG	C-N-CA	-12.14	97.71	120.66
2	4F	72	ARG	CA-C-N	-12.14	97.71	120.66
2	4F	72	ARG	C-N-CA	-12.14	97.71	120.66
2	4Z	72	ARG	CA-C-N	-12.14	97.71	120.66
2	4Z	72	ARG	C-N-CA	-12.14	97.71	120.66
2	5V	72	ARG	CA-C-N	-12.14	97.71	120.66
2	5V	72	ARG	C-N-CA	-12.14	97.71	120.66
2	6N	72	ARG	CA-C-N	-12.14	97.71	120.66
2	6N	72	ARG	C-N-CA	-12.14	97.71	120.66
2	6V	72	ARG	CA-C-N	-12.14	97.71	120.66
2	6V	72	ARG	C-N-CA	-12.14	97.71	120.66
2	7F	72	ARG	CA-C-N	-12.14	97.71	120.66
2	7F	72	ARG	C-N-CA	-12.14	97.71	120.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	72	ARG	CA-C-N	-12.14	97.71	120.66
2	7R	72	ARG	C-N-CA	-12.14	97.71	120.66
2	1N	221	ALA	CA-C-O	-12.14	107.00	121.32
2	2J	221	ALA	CA-C-O	-12.14	107.00	121.32
2	3B	221	ALA	CA-C-O	-12.14	107.00	121.32
2	3J	221	ALA	CA-C-O	-12.14	107.00	121.32
2	33	221	ALA	CA-C-O	-12.14	107.00	121.32
2	4F	221	ALA	CA-C-O	-12.14	107.00	121.32
2	4Z	221	ALA	CA-C-O	-12.14	107.00	121.32
2	5V	221	ALA	CA-C-O	-12.14	107.00	121.32
2	6N	221	ALA	CA-C-O	-12.14	107.00	121.32
2	6V	221	ALA	CA-C-O	-12.14	107.00	121.32
2	7F	221	ALA	CA-C-O	-12.14	107.00	121.32
2	7R	221	ALA	CA-C-O	-12.14	107.00	121.32
2	1R	72	ARG	CA-C-N	-12.13	97.73	120.66
2	1R	72	ARG	C-N-CA	-12.13	97.73	120.66
2	1V	72	ARG	CA-C-N	-12.13	97.73	120.66
2	1V	72	ARG	C-N-CA	-12.13	97.73	120.66
2	1Z	72	ARG	CA-C-N	-12.13	97.73	120.66
2	1Z	72	ARG	C-N-CA	-12.13	97.73	120.66
2	2R	72	ARG	CA-C-N	-12.13	97.73	120.66
2	2R	72	ARG	C-N-CA	-12.13	97.73	120.66
2	2V	72	ARG	CA-C-N	-12.13	97.73	120.66
2	2V	72	ARG	C-N-CA	-12.13	97.73	120.66
2	2Z	72	ARG	CA-C-N	-12.13	97.73	120.66
2	2Z	72	ARG	C-N-CA	-12.13	97.73	120.66
2	43	72	ARG	CA-C-N	-12.13	97.73	120.66
2	43	72	ARG	C-N-CA	-12.13	97.73	120.66
2	47	72	ARG	CA-C-N	-12.13	97.73	120.66
2	47	72	ARG	C-N-CA	-12.13	97.73	120.66
2	5B	72	ARG	CA-C-N	-12.13	97.73	120.66
2	5B	72	ARG	C-N-CA	-12.13	97.73	120.66
2	53	72	ARG	CA-C-N	-12.13	97.73	120.66
2	53	72	ARG	C-N-CA	-12.13	97.73	120.66
2	57	72	ARG	CA-C-N	-12.13	97.73	120.66
2	57	72	ARG	C-N-CA	-12.13	97.73	120.66
2	6B	72	ARG	CA-C-N	-12.13	97.73	120.66
2	6B	72	ARG	C-N-CA	-12.13	97.73	120.66
2	1F	72	ARG	CA-C-N	-12.13	97.74	120.66
2	1F	72	ARG	C-N-CA	-12.13	97.74	120.66
2	13	72	ARG	CA-C-N	-12.13	97.74	120.66
2	13	72	ARG	C-N-CA	-12.13	97.74	120.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	17	72	ARG	CA-C-N	-12.13	97.74	120.66
2	17	72	ARG	C-N-CA	-12.13	97.74	120.66
2	2B	72	ARG	CA-C-N	-12.13	97.74	120.66
2	2B	72	ARG	C-N-CA	-12.13	97.74	120.66
2	2N	72	ARG	CA-C-N	-12.13	97.74	120.66
2	2N	72	ARG	C-N-CA	-12.13	97.74	120.66
2	23	72	ARG	CA-C-N	-12.13	97.74	120.66
2	23	72	ARG	C-N-CA	-12.13	97.74	120.66
2	3N	72	ARG	CA-C-N	-12.13	97.74	120.66
2	3N	72	ARG	C-N-CA	-12.13	97.74	120.66
2	3R	72	ARG	CA-C-N	-12.13	97.74	120.66
2	3R	72	ARG	C-N-CA	-12.13	97.74	120.66
2	3V	72	ARG	CA-C-N	-12.13	97.74	120.66
2	3V	72	ARG	C-N-CA	-12.13	97.74	120.66
2	3Z	72	ARG	CA-C-N	-12.13	97.74	120.66
2	3Z	72	ARG	C-N-CA	-12.13	97.74	120.66
2	37	72	ARG	CA-C-N	-12.13	97.74	120.66
2	37	72	ARG	C-N-CA	-12.13	97.74	120.66
2	4J	72	ARG	CA-C-N	-12.13	97.74	120.66
2	4J	72	ARG	C-N-CA	-12.13	97.74	120.66
2	4R	72	ARG	CA-C-N	-12.13	97.74	120.66
2	4R	72	ARG	C-N-CA	-12.13	97.74	120.66
2	5F	72	ARG	CA-C-N	-12.13	97.74	120.66
2	5F	72	ARG	C-N-CA	-12.13	97.74	120.66
2	5J	72	ARG	CA-C-N	-12.13	97.74	120.66
2	5J	72	ARG	C-N-CA	-12.13	97.74	120.66
2	5N	72	ARG	CA-C-N	-12.13	97.74	120.66
2	5N	72	ARG	C-N-CA	-12.13	97.74	120.66
2	5Z	72	ARG	CA-C-N	-12.13	97.74	120.66
2	5Z	72	ARG	C-N-CA	-12.13	97.74	120.66
2	6F	72	ARG	CA-C-N	-12.13	97.74	120.66
2	6F	72	ARG	C-N-CA	-12.13	97.74	120.66
2	6Z	72	ARG	CA-C-N	-12.13	97.74	120.66
2	6Z	72	ARG	C-N-CA	-12.13	97.74	120.66
2	63	72	ARG	CA-C-N	-12.13	97.74	120.66
2	63	72	ARG	C-N-CA	-12.13	97.74	120.66
2	67	72	ARG	CA-C-N	-12.13	97.74	120.66
2	67	72	ARG	C-N-CA	-12.13	97.74	120.66
2	7B	72	ARG	CA-C-N	-12.13	97.74	120.66
2	7B	72	ARG	C-N-CA	-12.13	97.74	120.66
2	7J	72	ARG	CA-C-N	-12.13	97.74	120.66
2	7J	72	ARG	C-N-CA	-12.13	97.74	120.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7V	72	ARG	CA-C-N	-12.13	97.74	120.66
2	7V	72	ARG	C-N-CA	-12.13	97.74	120.66
2	1B	72	ARG	CA-C-N	-12.12	97.74	120.66
2	1B	72	ARG	C-N-CA	-12.12	97.74	120.66
2	1F	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	1F	221	ALA	CA-C-O	-12.12	107.01	121.32
2	1J	72	ARG	CA-C-N	-12.12	97.74	120.66
2	1J	72	ARG	C-N-CA	-12.12	97.74	120.66
2	1R	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	1V	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	1Z	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	2F	72	ARG	CA-C-N	-12.12	97.74	120.66
2	2F	72	ARG	C-N-CA	-12.12	97.74	120.66
2	2N	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	2N	221	ALA	CA-C-O	-12.12	107.01	121.32
2	2R	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	2V	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	2Z	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	23	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	23	221	ALA	CA-C-O	-12.12	107.01	121.32
2	27	72	ARG	CA-C-N	-12.12	97.74	120.66
2	27	72	ARG	C-N-CA	-12.12	97.74	120.66
2	3F	72	ARG	CA-C-N	-12.12	97.74	120.66
2	3F	72	ARG	C-N-CA	-12.12	97.74	120.66
2	3N	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	3N	221	ALA	CA-C-O	-12.12	107.01	121.32
2	37	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	37	221	ALA	CA-C-O	-12.12	107.01	121.32
2	4B	72	ARG	CA-C-N	-12.12	97.74	120.66
2	4B	72	ARG	C-N-CA	-12.12	97.74	120.66
2	4J	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	4J	221	ALA	CA-C-O	-12.12	107.01	121.32
2	4N	72	ARG	CA-C-N	-12.12	97.74	120.66
2	4N	72	ARG	C-N-CA	-12.12	97.74	120.66
2	4R	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	4R	221	ALA	CA-C-O	-12.12	107.01	121.32
2	4V	72	ARG	CA-C-N	-12.12	97.74	120.66
2	4V	72	ARG	C-N-CA	-12.12	97.74	120.66
2	43	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	47	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	5B	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	5R	72	ARG	CA-C-N	-12.12	97.74	120.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5R	72	ARG	C-N-CA	-12.12	97.74	120.66
2	5Z	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	5Z	221	ALA	CA-C-O	-12.12	107.01	121.32
2	53	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	57	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	6B	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	6F	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	6F	221	ALA	CA-C-O	-12.12	107.01	121.32
2	6J	72	ARG	CA-C-N	-12.12	97.74	120.66
2	6J	72	ARG	C-N-CA	-12.12	97.74	120.66
2	6R	72	ARG	CA-C-N	-12.12	97.74	120.66
2	6R	72	ARG	C-N-CA	-12.12	97.74	120.66
2	6Z	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	6Z	221	ALA	CA-C-O	-12.12	107.01	121.32
2	7J	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	7J	221	ALA	CA-C-O	-12.12	107.01	121.32
2	7N	72	ARG	CA-C-N	-12.12	97.74	120.66
2	7N	72	ARG	C-N-CA	-12.12	97.74	120.66
2	7V	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	7V	221	ALA	CA-C-O	-12.12	107.01	121.32
2	1B	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	1J	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	2F	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	27	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	3F	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	4B	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	4N	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	4V	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	5R	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	6J	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	6R	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	7N	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	1N	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	2J	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	3B	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	3J	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	33	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	4F	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	4Z	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	5V	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	6N	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	6V	15	VAL	N-CA-CB	-12.12	93.83	110.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	7R	15	VAL	N-CA-CB	-12.12	93.83	110.56
2	13	15	VAL	N-CA-CB	-12.11	93.84	110.56
2	17	15	VAL	N-CA-CB	-12.11	93.84	110.56
2	2B	15	VAL	N-CA-CB	-12.11	93.84	110.56
2	3R	15	VAL	N-CA-CB	-12.11	93.84	110.56
2	3V	15	VAL	N-CA-CB	-12.11	93.84	110.56
2	3Z	15	VAL	N-CA-CB	-12.11	93.84	110.56
2	5F	15	VAL	N-CA-CB	-12.11	93.84	110.56
2	5J	15	VAL	N-CA-CB	-12.11	93.84	110.56
2	5N	15	VAL	N-CA-CB	-12.11	93.84	110.56
2	63	15	VAL	N-CA-CB	-12.11	93.84	110.56
2	67	15	VAL	N-CA-CB	-12.11	93.84	110.56
2	7B	15	VAL	N-CA-CB	-12.11	93.84	110.56
2	1F	37	ASN	CA-C-N	-12.10	103.24	120.42
2	1F	37	ASN	C-N-CA	-12.10	103.24	120.42
2	2N	37	ASN	CA-C-N	-12.10	103.24	120.42
2	2N	37	ASN	C-N-CA	-12.10	103.24	120.42
2	23	37	ASN	CA-C-N	-12.10	103.24	120.42
2	23	37	ASN	C-N-CA	-12.10	103.24	120.42
2	3N	37	ASN	CA-C-N	-12.10	103.24	120.42
2	3N	37	ASN	C-N-CA	-12.10	103.24	120.42
2	37	37	ASN	CA-C-N	-12.10	103.24	120.42
2	37	37	ASN	C-N-CA	-12.10	103.24	120.42
2	4J	37	ASN	CA-C-N	-12.10	103.24	120.42
2	4J	37	ASN	C-N-CA	-12.10	103.24	120.42
2	4R	37	ASN	CA-C-N	-12.10	103.24	120.42
2	4R	37	ASN	C-N-CA	-12.10	103.24	120.42
2	5Z	37	ASN	CA-C-N	-12.10	103.24	120.42
2	5Z	37	ASN	C-N-CA	-12.10	103.24	120.42
2	6F	37	ASN	CA-C-N	-12.10	103.24	120.42
2	6F	37	ASN	C-N-CA	-12.10	103.24	120.42
2	6Z	37	ASN	CA-C-N	-12.10	103.24	120.42
2	6Z	37	ASN	C-N-CA	-12.10	103.24	120.42
2	7J	37	ASN	CA-C-N	-12.10	103.24	120.42
2	7J	37	ASN	C-N-CA	-12.10	103.24	120.42
2	7V	37	ASN	CA-C-N	-12.10	103.24	120.42
2	7V	37	ASN	C-N-CA	-12.10	103.24	120.42
2	13	37	ASN	CA-C-N	-12.09	103.25	120.42
2	13	37	ASN	C-N-CA	-12.09	103.25	120.42
2	17	37	ASN	CA-C-N	-12.09	103.25	120.42
2	17	37	ASN	C-N-CA	-12.09	103.25	120.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	37	ASN	CA-C-N	-12.09	103.25	120.42
2	2B	37	ASN	C-N-CA	-12.09	103.25	120.42
2	3R	37	ASN	CA-C-N	-12.09	103.25	120.42
2	3R	37	ASN	C-N-CA	-12.09	103.25	120.42
2	3V	37	ASN	CA-C-N	-12.09	103.25	120.42
2	3V	37	ASN	C-N-CA	-12.09	103.25	120.42
2	3Z	37	ASN	CA-C-N	-12.09	103.25	120.42
2	3Z	37	ASN	C-N-CA	-12.09	103.25	120.42
2	5F	37	ASN	CA-C-N	-12.09	103.25	120.42
2	5F	37	ASN	C-N-CA	-12.09	103.25	120.42
2	5J	37	ASN	CA-C-N	-12.09	103.25	120.42
2	5J	37	ASN	C-N-CA	-12.09	103.25	120.42
2	5N	37	ASN	CA-C-N	-12.09	103.25	120.42
2	5N	37	ASN	C-N-CA	-12.09	103.25	120.42
2	63	37	ASN	CA-C-N	-12.09	103.25	120.42
2	63	37	ASN	C-N-CA	-12.09	103.25	120.42
2	67	37	ASN	CA-C-N	-12.09	103.25	120.42
2	67	37	ASN	C-N-CA	-12.09	103.25	120.42
2	7B	37	ASN	CA-C-N	-12.09	103.25	120.42
2	7B	37	ASN	C-N-CA	-12.09	103.25	120.42
1	1E	7	GLN	N-CA-CB	12.09	128.02	110.13
1	2M	7	GLN	N-CA-CB	12.09	128.02	110.13
1	22	7	GLN	N-CA-CB	12.09	128.02	110.13
1	3M	7	GLN	N-CA-CB	12.09	128.02	110.13
1	36	7	GLN	N-CA-CB	12.09	128.02	110.13
1	4I	7	GLN	N-CA-CB	12.09	128.02	110.13
1	4Q	7	GLN	N-CA-CB	12.09	128.02	110.13
1	5Y	7	GLN	N-CA-CB	12.09	128.02	110.13
1	6E	7	GLN	N-CA-CB	12.09	128.02	110.13
1	6Y	7	GLN	N-CA-CB	12.09	128.02	110.13
1	7I	7	GLN	N-CA-CB	12.09	128.02	110.13
1	7U	7	GLN	N-CA-CB	12.09	128.02	110.13
2	1R	37	ASN	CA-C-N	-12.08	103.26	120.42
2	1R	37	ASN	C-N-CA	-12.08	103.26	120.42
2	1V	37	ASN	CA-C-N	-12.08	103.26	120.42
2	1V	37	ASN	C-N-CA	-12.08	103.26	120.42
2	1Z	37	ASN	CA-C-N	-12.08	103.26	120.42
2	1Z	37	ASN	C-N-CA	-12.08	103.26	120.42
2	2R	37	ASN	CA-C-N	-12.08	103.26	120.42
2	2R	37	ASN	C-N-CA	-12.08	103.26	120.42
2	2V	37	ASN	CA-C-N	-12.08	103.26	120.42
2	2V	37	ASN	C-N-CA	-12.08	103.26	120.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2Z	37	ASN	CA-C-N	-12.08	103.26	120.42
2	2Z	37	ASN	C-N-CA	-12.08	103.26	120.42
2	43	37	ASN	CA-C-N	-12.08	103.26	120.42
2	43	37	ASN	C-N-CA	-12.08	103.26	120.42
2	47	37	ASN	CA-C-N	-12.08	103.26	120.42
2	47	37	ASN	C-N-CA	-12.08	103.26	120.42
2	5B	37	ASN	CA-C-N	-12.08	103.26	120.42
2	5B	37	ASN	C-N-CA	-12.08	103.26	120.42
2	53	37	ASN	CA-C-N	-12.08	103.26	120.42
2	53	37	ASN	C-N-CA	-12.08	103.26	120.42
2	57	37	ASN	CA-C-N	-12.08	103.26	120.42
2	57	37	ASN	C-N-CA	-12.08	103.26	120.42
2	6B	37	ASN	CA-C-N	-12.08	103.26	120.42
2	6B	37	ASN	C-N-CA	-12.08	103.26	120.42
1	1A	7	GLN	N-CA-CB	12.08	128.01	110.13
2	1B	37	ASN	CA-C-N	-12.08	103.26	120.42
2	1B	37	ASN	C-N-CA	-12.08	103.26	120.42
1	1I	7	GLN	N-CA-CB	12.08	128.01	110.13
2	1J	37	ASN	CA-C-N	-12.08	103.26	120.42
2	1J	37	ASN	C-N-CA	-12.08	103.26	120.42
1	2E	7	GLN	N-CA-CB	12.08	128.01	110.13
2	2F	37	ASN	CA-C-N	-12.08	103.26	120.42
2	2F	37	ASN	C-N-CA	-12.08	103.26	120.42
1	26	7	GLN	N-CA-CB	12.08	128.01	110.13
2	27	37	ASN	CA-C-N	-12.08	103.26	120.42
2	27	37	ASN	C-N-CA	-12.08	103.26	120.42
1	3E	7	GLN	N-CA-CB	12.08	128.01	110.13
2	3F	37	ASN	CA-C-N	-12.08	103.26	120.42
2	3F	37	ASN	C-N-CA	-12.08	103.26	120.42
1	4A	7	GLN	N-CA-CB	12.08	128.01	110.13
2	4B	37	ASN	CA-C-N	-12.08	103.26	120.42
2	4B	37	ASN	C-N-CA	-12.08	103.26	120.42
1	4M	7	GLN	N-CA-CB	12.08	128.01	110.13
2	4N	37	ASN	CA-C-N	-12.08	103.26	120.42
2	4N	37	ASN	C-N-CA	-12.08	103.26	120.42
1	4U	7	GLN	N-CA-CB	12.08	128.01	110.13
2	4V	37	ASN	CA-C-N	-12.08	103.26	120.42
2	4V	37	ASN	C-N-CA	-12.08	103.26	120.42
1	5Q	7	GLN	N-CA-CB	12.08	128.01	110.13
2	5R	37	ASN	CA-C-N	-12.08	103.26	120.42
2	5R	37	ASN	C-N-CA	-12.08	103.26	120.42
1	6I	7	GLN	N-CA-CB	12.08	128.01	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6J	37	ASN	CA-C-N	-12.08	103.26	120.42
2	6J	37	ASN	C-N-CA	-12.08	103.26	120.42
1	6Q	7	GLN	N-CA-CB	12.08	128.01	110.13
2	6R	37	ASN	CA-C-N	-12.08	103.26	120.42
2	6R	37	ASN	C-N-CA	-12.08	103.26	120.42
1	7M	7	GLN	N-CA-CB	12.08	128.01	110.13
2	7N	37	ASN	CA-C-N	-12.08	103.26	120.42
2	7N	37	ASN	C-N-CA	-12.08	103.26	120.42
1	1M	7	GLN	N-CA-CB	12.07	127.99	110.13
1	2I	7	GLN	N-CA-CB	12.07	127.99	110.13
1	3A	7	GLN	N-CA-CB	12.07	127.99	110.13
1	3I	7	GLN	N-CA-CB	12.07	127.99	110.13
1	32	7	GLN	N-CA-CB	12.07	127.99	110.13
1	4E	7	GLN	N-CA-CB	12.07	127.99	110.13
1	4Y	7	GLN	N-CA-CB	12.07	127.99	110.13
1	5U	7	GLN	N-CA-CB	12.07	127.99	110.13
1	6M	7	GLN	N-CA-CB	12.07	127.99	110.13
1	6U	7	GLN	N-CA-CB	12.07	127.99	110.13
1	7E	7	GLN	N-CA-CB	12.07	127.99	110.13
1	7Q	7	GLN	N-CA-CB	12.07	127.99	110.13
1	1E	13	ALA	CA-C-O	-12.07	103.25	120.51
1	2M	13	ALA	CA-C-O	-12.07	103.25	120.51
1	22	13	ALA	CA-C-O	-12.07	103.25	120.51
1	3M	13	ALA	CA-C-O	-12.07	103.25	120.51
1	36	13	ALA	CA-C-O	-12.07	103.25	120.51
1	4I	13	ALA	CA-C-O	-12.07	103.25	120.51
1	4Q	13	ALA	CA-C-O	-12.07	103.25	120.51
1	5Y	13	ALA	CA-C-O	-12.07	103.25	120.51
1	6E	13	ALA	CA-C-O	-12.07	103.25	120.51
1	6Y	13	ALA	CA-C-O	-12.07	103.25	120.51
1	7I	13	ALA	CA-C-O	-12.07	103.25	120.51
1	7U	13	ALA	CA-C-O	-12.07	103.25	120.51
1	12	7	GLN	N-CA-CB	12.06	127.98	110.13
1	16	7	GLN	N-CA-CB	12.06	127.98	110.13
1	2A	7	GLN	N-CA-CB	12.06	127.98	110.13
1	3Q	7	GLN	N-CA-CB	12.06	127.98	110.13
1	3U	7	GLN	N-CA-CB	12.06	127.98	110.13
1	3Y	7	GLN	N-CA-CB	12.06	127.98	110.13
1	5E	7	GLN	N-CA-CB	12.06	127.98	110.13
1	5I	7	GLN	N-CA-CB	12.06	127.98	110.13
1	5M	7	GLN	N-CA-CB	12.06	127.98	110.13
1	62	7	GLN	N-CA-CB	12.06	127.98	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	7	GLN	N-CA-CB	12.06	127.98	110.13
1	7A	7	GLN	N-CA-CB	12.06	127.98	110.13
2	1F	35	PHE	N-CA-C	-12.06	93.10	110.59
2	2N	35	PHE	N-CA-C	-12.06	93.10	110.59
2	23	35	PHE	N-CA-C	-12.06	93.10	110.59
2	3N	35	PHE	N-CA-C	-12.06	93.10	110.59
2	37	35	PHE	N-CA-C	-12.06	93.10	110.59
2	4J	35	PHE	N-CA-C	-12.06	93.10	110.59
2	4R	35	PHE	N-CA-C	-12.06	93.10	110.59
2	5Z	35	PHE	N-CA-C	-12.06	93.10	110.59
2	6F	35	PHE	N-CA-C	-12.06	93.10	110.59
2	6Z	35	PHE	N-CA-C	-12.06	93.10	110.59
2	7J	35	PHE	N-CA-C	-12.06	93.10	110.59
2	7V	35	PHE	N-CA-C	-12.06	93.10	110.59
1	1Q	7	GLN	N-CA-CB	12.06	127.97	110.13
1	1U	7	GLN	N-CA-CB	12.06	127.97	110.13
1	1Y	7	GLN	N-CA-CB	12.06	127.97	110.13
1	2Q	7	GLN	N-CA-CB	12.06	127.97	110.13
1	2U	7	GLN	N-CA-CB	12.06	127.97	110.13
1	2Y	7	GLN	N-CA-CB	12.06	127.97	110.13
1	42	7	GLN	N-CA-CB	12.06	127.97	110.13
1	46	7	GLN	N-CA-CB	12.06	127.97	110.13
1	5A	7	GLN	N-CA-CB	12.06	127.97	110.13
1	52	7	GLN	N-CA-CB	12.06	127.97	110.13
1	56	7	GLN	N-CA-CB	12.06	127.97	110.13
1	6A	7	GLN	N-CA-CB	12.06	127.97	110.13
2	1N	37	ASN	CA-C-N	-12.05	103.31	120.42
2	1N	37	ASN	C-N-CA	-12.05	103.31	120.42
2	2J	37	ASN	CA-C-N	-12.05	103.31	120.42
2	2J	37	ASN	C-N-CA	-12.05	103.31	120.42
2	3B	37	ASN	CA-C-N	-12.05	103.31	120.42
2	3B	37	ASN	C-N-CA	-12.05	103.31	120.42
2	3J	37	ASN	CA-C-N	-12.05	103.31	120.42
2	3J	37	ASN	C-N-CA	-12.05	103.31	120.42
2	33	37	ASN	CA-C-N	-12.05	103.31	120.42
2	33	37	ASN	C-N-CA	-12.05	103.31	120.42
2	4F	37	ASN	CA-C-N	-12.05	103.31	120.42
2	4F	37	ASN	C-N-CA	-12.05	103.31	120.42
2	4Z	37	ASN	CA-C-N	-12.05	103.31	120.42
2	4Z	37	ASN	C-N-CA	-12.05	103.31	120.42
2	5V	37	ASN	CA-C-N	-12.05	103.31	120.42
2	5V	37	ASN	C-N-CA	-12.05	103.31	120.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6N	37	ASN	CA-C-N	-12.05	103.31	120.42
2	6N	37	ASN	C-N-CA	-12.05	103.31	120.42
2	6V	37	ASN	CA-C-N	-12.05	103.31	120.42
2	6V	37	ASN	C-N-CA	-12.05	103.31	120.42
2	7F	37	ASN	CA-C-N	-12.05	103.31	120.42
2	7F	37	ASN	C-N-CA	-12.05	103.31	120.42
2	7R	37	ASN	CA-C-N	-12.05	103.31	120.42
2	7R	37	ASN	C-N-CA	-12.05	103.31	120.42
1	1A	13	ALA	CA-C-O	-12.05	103.28	120.51
2	1B	35	PHE	N-CA-C	-12.04	93.12	110.59
1	1I	13	ALA	CA-C-O	-12.05	103.28	120.51
2	1J	35	PHE	N-CA-C	-12.04	93.12	110.59
1	2E	13	ALA	CA-C-O	-12.05	103.28	120.51
1	26	13	ALA	CA-C-O	-12.05	103.28	120.51
1	3E	13	ALA	CA-C-O	-12.05	103.28	120.51
1	4A	13	ALA	CA-C-O	-12.05	103.28	120.51
1	7M	13	ALA	CA-C-O	-12.05	103.28	120.51
2	13	35	PHE	N-CA-C	-12.04	93.13	110.59
2	17	35	PHE	N-CA-C	-12.04	93.13	110.59
2	2B	35	PHE	N-CA-C	-12.04	93.13	110.59
2	2F	35	PHE	N-CA-C	-12.04	93.12	110.59
2	27	35	PHE	N-CA-C	-12.04	93.12	110.59
2	3F	35	PHE	N-CA-C	-12.04	93.12	110.59
2	3R	35	PHE	N-CA-C	-12.04	93.13	110.59
2	3V	35	PHE	N-CA-C	-12.04	93.13	110.59
2	3Z	35	PHE	N-CA-C	-12.04	93.13	110.59
2	4B	35	PHE	N-CA-C	-12.04	93.12	110.59
1	4M	13	ALA	CA-C-O	-12.05	103.28	120.51
2	4N	35	PHE	N-CA-C	-12.04	93.12	110.59
1	4U	13	ALA	CA-C-O	-12.05	103.28	120.51
2	4V	35	PHE	N-CA-C	-12.04	93.12	110.59
1	5Q	13	ALA	CA-C-O	-12.05	103.28	120.51
1	6I	13	ALA	CA-C-O	-12.05	103.28	120.51
1	6Q	13	ALA	CA-C-O	-12.05	103.28	120.51
2	5F	35	PHE	N-CA-C	-12.04	93.13	110.59
2	5J	35	PHE	N-CA-C	-12.04	93.13	110.59
2	5N	35	PHE	N-CA-C	-12.04	93.13	110.59
2	5R	35	PHE	N-CA-C	-12.04	93.12	110.59
2	6J	35	PHE	N-CA-C	-12.04	93.12	110.59
2	6R	35	PHE	N-CA-C	-12.04	93.12	110.59
2	63	35	PHE	N-CA-C	-12.04	93.13	110.59
2	67	35	PHE	N-CA-C	-12.04	93.13	110.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7B	35	PHE	N-CA-C	-12.04	93.13	110.59
2	7N	35	PHE	N-CA-C	-12.04	93.12	110.59
2	1N	35	PHE	N-CA-C	-12.04	93.13	110.59
1	12	13	ALA	CA-C-O	-12.04	103.29	120.51
1	16	13	ALA	CA-C-O	-12.04	103.29	120.51
1	2A	13	ALA	CA-C-O	-12.04	103.29	120.51
2	2J	35	PHE	N-CA-C	-12.04	93.13	110.59
2	3B	35	PHE	N-CA-C	-12.04	93.13	110.59
2	3J	35	PHE	N-CA-C	-12.04	93.13	110.59
1	3Q	13	ALA	CA-C-O	-12.04	103.29	120.51
1	3U	13	ALA	CA-C-O	-12.04	103.29	120.51
1	3Y	13	ALA	CA-C-O	-12.04	103.29	120.51
2	33	35	PHE	N-CA-C	-12.04	93.13	110.59
2	4F	35	PHE	N-CA-C	-12.04	93.13	110.59
2	4Z	35	PHE	N-CA-C	-12.04	93.13	110.59
1	5E	13	ALA	CA-C-O	-12.04	103.29	120.51
1	5I	13	ALA	CA-C-O	-12.04	103.29	120.51
1	5M	13	ALA	CA-C-O	-12.04	103.29	120.51
2	5V	35	PHE	N-CA-C	-12.04	93.13	110.59
2	6N	35	PHE	N-CA-C	-12.04	93.13	110.59
2	6V	35	PHE	N-CA-C	-12.04	93.13	110.59
1	62	13	ALA	CA-C-O	-12.04	103.29	120.51
1	66	13	ALA	CA-C-O	-12.04	103.29	120.51
1	7A	13	ALA	CA-C-O	-12.04	103.29	120.51
2	7F	35	PHE	N-CA-C	-12.04	93.13	110.59
2	7R	35	PHE	N-CA-C	-12.04	93.13	110.59
1	1Q	13	ALA	CA-C-O	-12.03	103.31	120.51
1	1U	13	ALA	CA-C-O	-12.03	103.31	120.51
1	1Y	13	ALA	CA-C-O	-12.03	103.31	120.51
1	2Q	13	ALA	CA-C-O	-12.03	103.31	120.51
1	2U	13	ALA	CA-C-O	-12.03	103.31	120.51
1	2Y	13	ALA	CA-C-O	-12.03	103.31	120.51
1	42	13	ALA	CA-C-O	-12.03	103.31	120.51
1	46	13	ALA	CA-C-O	-12.03	103.31	120.51
1	5A	13	ALA	CA-C-O	-12.03	103.31	120.51
1	52	13	ALA	CA-C-O	-12.03	103.31	120.51
1	56	13	ALA	CA-C-O	-12.03	103.31	120.51
1	6A	13	ALA	CA-C-O	-12.03	103.31	120.51
1	1M	13	ALA	CA-C-O	-12.03	103.31	120.51
1	2I	13	ALA	CA-C-O	-12.03	103.31	120.51
1	3A	13	ALA	CA-C-O	-12.03	103.31	120.51
1	3I	13	ALA	CA-C-O	-12.03	103.31	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	13	ALA	CA-C-O	-12.03	103.31	120.51
1	4E	13	ALA	CA-C-O	-12.03	103.31	120.51
1	4Y	13	ALA	CA-C-O	-12.03	103.31	120.51
1	5U	13	ALA	CA-C-O	-12.03	103.31	120.51
1	6M	13	ALA	CA-C-O	-12.03	103.31	120.51
1	6U	13	ALA	CA-C-O	-12.03	103.31	120.51
1	7E	13	ALA	CA-C-O	-12.03	103.31	120.51
1	7Q	13	ALA	CA-C-O	-12.03	103.31	120.51
2	1R	35	PHE	N-CA-C	-12.03	93.15	110.59
2	1V	35	PHE	N-CA-C	-12.03	93.15	110.59
2	1Z	35	PHE	N-CA-C	-12.03	93.15	110.59
2	2R	35	PHE	N-CA-C	-12.03	93.15	110.59
2	2V	35	PHE	N-CA-C	-12.03	93.15	110.59
2	2Z	35	PHE	N-CA-C	-12.03	93.15	110.59
2	43	35	PHE	N-CA-C	-12.03	93.15	110.59
2	47	35	PHE	N-CA-C	-12.03	93.15	110.59
2	5B	35	PHE	N-CA-C	-12.03	93.15	110.59
2	53	35	PHE	N-CA-C	-12.03	93.15	110.59
2	57	35	PHE	N-CA-C	-12.03	93.15	110.59
2	6B	35	PHE	N-CA-C	-12.03	93.15	110.59
2	1B	59	VAL	CA-C-O	-12.02	107.27	120.25
2	1J	59	VAL	CA-C-O	-12.02	107.27	120.25
2	2F	59	VAL	CA-C-O	-12.02	107.27	120.25
2	27	59	VAL	CA-C-O	-12.02	107.27	120.25
2	3F	59	VAL	CA-C-O	-12.02	107.27	120.25
2	4B	59	VAL	CA-C-O	-12.02	107.27	120.25
2	4N	59	VAL	CA-C-O	-12.02	107.27	120.25
2	4V	59	VAL	CA-C-O	-12.02	107.27	120.25
2	5R	59	VAL	CA-C-O	-12.02	107.27	120.25
2	6J	59	VAL	CA-C-O	-12.02	107.27	120.25
2	6R	59	VAL	CA-C-O	-12.02	107.27	120.25
2	7N	59	VAL	CA-C-O	-12.02	107.27	120.25
2	1F	59	VAL	CA-C-O	-12.02	107.27	120.25
2	2N	59	VAL	CA-C-O	-12.02	107.27	120.25
2	23	59	VAL	CA-C-O	-12.02	107.27	120.25
2	3N	59	VAL	CA-C-O	-12.02	107.27	120.25
2	37	59	VAL	CA-C-O	-12.02	107.27	120.25
2	4J	59	VAL	CA-C-O	-12.02	107.27	120.25
2	4R	59	VAL	CA-C-O	-12.02	107.27	120.25
2	5Z	59	VAL	CA-C-O	-12.02	107.27	120.25
2	6F	59	VAL	CA-C-O	-12.02	107.27	120.25
2	6Z	59	VAL	CA-C-O	-12.02	107.27	120.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	59	VAL	CA-C-O	-12.02	107.27	120.25
2	7V	59	VAL	CA-C-O	-12.02	107.27	120.25
2	13	59	VAL	CA-C-O	-12.01	107.28	120.25
2	17	59	VAL	CA-C-O	-12.01	107.28	120.25
2	2B	59	VAL	CA-C-O	-12.01	107.28	120.25
2	3R	59	VAL	CA-C-O	-12.01	107.28	120.25
2	3V	59	VAL	CA-C-O	-12.01	107.28	120.25
2	3Z	59	VAL	CA-C-O	-12.01	107.28	120.25
2	5F	59	VAL	CA-C-O	-12.01	107.28	120.25
2	5J	59	VAL	CA-C-O	-12.01	107.28	120.25
2	5N	59	VAL	CA-C-O	-12.01	107.28	120.25
2	63	59	VAL	CA-C-O	-12.01	107.28	120.25
2	67	59	VAL	CA-C-O	-12.01	107.28	120.25
2	7B	59	VAL	CA-C-O	-12.01	107.28	120.25
2	1R	59	VAL	CA-C-O	-12.01	107.28	120.25
2	1V	59	VAL	CA-C-O	-12.01	107.28	120.25
2	1Z	59	VAL	CA-C-O	-12.01	107.28	120.25
2	2R	59	VAL	CA-C-O	-12.01	107.28	120.25
2	2V	59	VAL	CA-C-O	-12.01	107.28	120.25
2	2Z	59	VAL	CA-C-O	-12.01	107.28	120.25
2	43	59	VAL	CA-C-O	-12.01	107.28	120.25
2	47	59	VAL	CA-C-O	-12.01	107.28	120.25
2	5B	59	VAL	CA-C-O	-12.01	107.28	120.25
2	53	59	VAL	CA-C-O	-12.01	107.28	120.25
2	57	59	VAL	CA-C-O	-12.01	107.28	120.25
2	6B	59	VAL	CA-C-O	-12.01	107.28	120.25
2	1N	59	VAL	CA-C-O	-12.01	107.28	120.25
2	2J	59	VAL	CA-C-O	-12.01	107.28	120.25
2	3B	59	VAL	CA-C-O	-12.01	107.28	120.25
2	3J	59	VAL	CA-C-O	-12.01	107.28	120.25
2	33	59	VAL	CA-C-O	-12.01	107.28	120.25
2	4F	59	VAL	CA-C-O	-12.01	107.28	120.25
2	4Z	59	VAL	CA-C-O	-12.01	107.28	120.25
2	5V	59	VAL	CA-C-O	-12.01	107.28	120.25
2	6N	59	VAL	CA-C-O	-12.01	107.28	120.25
2	6V	59	VAL	CA-C-O	-12.01	107.28	120.25
2	7F	59	VAL	CA-C-O	-12.01	107.28	120.25
2	7R	59	VAL	CA-C-O	-12.01	107.28	120.25
3	14	30	HIS	ND1-CE1-NE2	11.97	120.37	108.40
3	18	30	HIS	ND1-CE1-NE2	11.97	120.37	108.40
3	2C	30	HIS	ND1-CE1-NE2	11.97	120.37	108.40
3	3S	30	HIS	ND1-CE1-NE2	11.97	120.37	108.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	3W	30	HIS	ND1-CE1-NE2	11.97	120.37	108.40
3	30	30	HIS	ND1-CE1-NE2	11.97	120.37	108.40
3	5G	30	HIS	ND1-CE1-NE2	11.97	120.37	108.40
3	5K	30	HIS	ND1-CE1-NE2	11.97	120.37	108.40
3	5O	30	HIS	ND1-CE1-NE2	11.97	120.37	108.40
3	64	30	HIS	ND1-CE1-NE2	11.97	120.37	108.40
3	68	30	HIS	ND1-CE1-NE2	11.97	120.37	108.40
3	7C	30	HIS	ND1-CE1-NE2	11.97	120.37	108.40
3	1G	30	HIS	ND1-CE1-NE2	11.96	120.36	108.40
3	2O	30	HIS	ND1-CE1-NE2	11.96	120.36	108.40
3	24	30	HIS	ND1-CE1-NE2	11.96	120.36	108.40
3	3O	30	HIS	ND1-CE1-NE2	11.96	120.36	108.40
3	38	30	HIS	ND1-CE1-NE2	11.96	120.36	108.40
3	4K	30	HIS	ND1-CE1-NE2	11.96	120.36	108.40
3	4S	30	HIS	ND1-CE1-NE2	11.96	120.36	108.40
3	50	30	HIS	ND1-CE1-NE2	11.96	120.36	108.40
3	6G	30	HIS	ND1-CE1-NE2	11.96	120.36	108.40
3	60	30	HIS	ND1-CE1-NE2	11.96	120.36	108.40
3	7K	30	HIS	ND1-CE1-NE2	11.96	120.36	108.40
3	7W	30	HIS	ND1-CE1-NE2	11.96	120.36	108.40
2	1R	78	HIS	CB-CG-ND1	-11.96	104.76	122.70
2	1V	78	HIS	CB-CG-ND1	-11.96	104.76	122.70
2	1Z	78	HIS	CB-CG-ND1	-11.96	104.76	122.70
2	2R	78	HIS	CB-CG-ND1	-11.96	104.76	122.70
2	2V	78	HIS	CB-CG-ND1	-11.96	104.76	122.70
2	2Z	78	HIS	CB-CG-ND1	-11.96	104.76	122.70
2	43	78	HIS	CB-CG-ND1	-11.96	104.76	122.70
2	47	78	HIS	CB-CG-ND1	-11.96	104.76	122.70
2	5B	78	HIS	CB-CG-ND1	-11.96	104.76	122.70
2	53	78	HIS	CB-CG-ND1	-11.96	104.76	122.70
2	57	78	HIS	CB-CG-ND1	-11.96	104.76	122.70
2	6B	78	HIS	CB-CG-ND1	-11.96	104.76	122.70
3	1S	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
3	1W	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
3	10	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
3	2S	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
3	2W	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
3	20	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
3	44	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
3	48	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
3	5C	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
3	54	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	58	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
3	6C	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
3	1C	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
3	1K	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
2	1N	227	TYR	N-CA-C	-11.95	86.75	108.02
3	2G	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
2	2J	227	TYR	N-CA-C	-11.95	86.75	108.02
3	28	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
2	3B	227	TYR	N-CA-C	-11.95	86.75	108.02
3	3G	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
2	3J	227	TYR	N-CA-C	-11.95	86.75	108.02
2	33	227	TYR	N-CA-C	-11.95	86.75	108.02
3	4C	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
2	4F	227	TYR	N-CA-C	-11.95	86.75	108.02
3	4O	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
3	4W	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
2	4Z	227	TYR	N-CA-C	-11.95	86.75	108.02
3	5S	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
2	5V	227	TYR	N-CA-C	-11.95	86.75	108.02
3	6K	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
2	6N	227	TYR	N-CA-C	-11.95	86.75	108.02
3	6S	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
2	6V	227	TYR	N-CA-C	-11.95	86.75	108.02
2	7F	227	TYR	N-CA-C	-11.95	86.75	108.02
3	7O	30	HIS	ND1-CE1-NE2	11.95	120.35	108.40
2	7R	227	TYR	N-CA-C	-11.95	86.75	108.02
1	1M	27	LYS	CA-C-O	11.95	133.58	120.20
1	2I	27	LYS	CA-C-O	11.95	133.58	120.20
1	3A	27	LYS	CA-C-O	11.95	133.58	120.20
1	3I	27	LYS	CA-C-O	11.95	133.58	120.20
1	32	27	LYS	CA-C-O	11.95	133.58	120.20
1	4E	27	LYS	CA-C-O	11.95	133.58	120.20
1	4Y	27	LYS	CA-C-O	11.95	133.58	120.20
1	5U	27	LYS	CA-C-O	11.95	133.58	120.20
1	6M	27	LYS	CA-C-O	11.95	133.58	120.20
1	6U	27	LYS	CA-C-O	11.95	133.58	120.20
1	7E	27	LYS	CA-C-O	11.95	133.58	120.20
1	7Q	27	LYS	CA-C-O	11.95	133.58	120.20
1	12	80	PHE	CB-CG-CD1	-11.94	100.39	120.70
1	16	80	PHE	CB-CG-CD1	-11.94	100.39	120.70
1	2A	80	PHE	CB-CG-CD1	-11.94	100.39	120.70
1	3Q	80	PHE	CB-CG-CD1	-11.94	100.39	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	80	PHE	CB-CG-CD1	-11.94	100.39	120.70
1	3Y	80	PHE	CB-CG-CD1	-11.94	100.39	120.70
1	5E	80	PHE	CB-CG-CD1	-11.94	100.39	120.70
1	5I	80	PHE	CB-CG-CD1	-11.94	100.39	120.70
1	5M	80	PHE	CB-CG-CD1	-11.94	100.39	120.70
1	62	80	PHE	CB-CG-CD1	-11.94	100.39	120.70
1	66	80	PHE	CB-CG-CD1	-11.94	100.39	120.70
1	7A	80	PHE	CB-CG-CD1	-11.94	100.39	120.70
2	13	78	HIS	CB-CG-ND1	-11.94	104.79	122.70
2	17	78	HIS	CB-CG-ND1	-11.94	104.79	122.70
2	2B	78	HIS	CB-CG-ND1	-11.94	104.79	122.70
2	3R	78	HIS	CB-CG-ND1	-11.94	104.79	122.70
2	3V	78	HIS	CB-CG-ND1	-11.94	104.79	122.70
2	3Z	78	HIS	CB-CG-ND1	-11.94	104.79	122.70
2	5F	78	HIS	CB-CG-ND1	-11.94	104.79	122.70
2	5J	78	HIS	CB-CG-ND1	-11.94	104.79	122.70
2	5N	78	HIS	CB-CG-ND1	-11.94	104.79	122.70
2	63	78	HIS	CB-CG-ND1	-11.94	104.79	122.70
2	67	78	HIS	CB-CG-ND1	-11.94	104.79	122.70
2	7B	78	HIS	CB-CG-ND1	-11.94	104.79	122.70
1	12	27	LYS	CA-C-O	11.94	133.57	120.20
1	16	27	LYS	CA-C-O	11.94	133.57	120.20
1	2A	27	LYS	CA-C-O	11.94	133.57	120.20
1	3Q	27	LYS	CA-C-O	11.94	133.57	120.20
1	3U	27	LYS	CA-C-O	11.94	133.57	120.20
1	3Y	27	LYS	CA-C-O	11.94	133.57	120.20
1	5E	27	LYS	CA-C-O	11.94	133.57	120.20
1	5I	27	LYS	CA-C-O	11.94	133.57	120.20
1	5M	27	LYS	CA-C-O	11.94	133.57	120.20
1	62	27	LYS	CA-C-O	11.94	133.57	120.20
1	66	27	LYS	CA-C-O	11.94	133.57	120.20
1	7A	27	LYS	CA-C-O	11.94	133.57	120.20
2	1F	227	TYR	N-CA-C	-11.94	86.78	108.02
2	2N	227	TYR	N-CA-C	-11.94	86.78	108.02
2	23	227	TYR	N-CA-C	-11.94	86.78	108.02
2	3N	227	TYR	N-CA-C	-11.94	86.78	108.02
2	37	227	TYR	N-CA-C	-11.94	86.78	108.02
2	4J	227	TYR	N-CA-C	-11.94	86.78	108.02
2	4R	227	TYR	N-CA-C	-11.94	86.78	108.02
2	5Z	227	TYR	N-CA-C	-11.94	86.78	108.02
2	6F	227	TYR	N-CA-C	-11.94	86.78	108.02
2	6Z	227	TYR	N-CA-C	-11.94	86.78	108.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	227	TYR	N-CA-C	-11.94	86.78	108.02
2	7V	227	TYR	N-CA-C	-11.94	86.78	108.02
2	13	227	TYR	N-CA-C	-11.93	86.78	108.02
2	17	227	TYR	N-CA-C	-11.93	86.78	108.02
2	2B	227	TYR	N-CA-C	-11.93	86.78	108.02
2	3R	227	TYR	N-CA-C	-11.93	86.78	108.02
2	3V	227	TYR	N-CA-C	-11.93	86.78	108.02
2	3Z	227	TYR	N-CA-C	-11.93	86.78	108.02
2	5F	227	TYR	N-CA-C	-11.93	86.78	108.02
2	5J	227	TYR	N-CA-C	-11.93	86.78	108.02
2	5N	227	TYR	N-CA-C	-11.93	86.78	108.02
2	63	227	TYR	N-CA-C	-11.93	86.78	108.02
2	67	227	TYR	N-CA-C	-11.93	86.78	108.02
2	7B	227	TYR	N-CA-C	-11.93	86.78	108.02
2	1B	227	TYR	N-CA-C	-11.93	86.78	108.02
2	1J	227	TYR	N-CA-C	-11.93	86.78	108.02
2	2F	227	TYR	N-CA-C	-11.93	86.78	108.02
2	27	227	TYR	N-CA-C	-11.93	86.78	108.02
2	3F	227	TYR	N-CA-C	-11.93	86.78	108.02
2	4B	227	TYR	N-CA-C	-11.93	86.78	108.02
2	4N	227	TYR	N-CA-C	-11.93	86.78	108.02
2	4V	227	TYR	N-CA-C	-11.93	86.78	108.02
2	5R	227	TYR	N-CA-C	-11.93	86.78	108.02
2	6J	227	TYR	N-CA-C	-11.93	86.78	108.02
2	6R	227	TYR	N-CA-C	-11.93	86.78	108.02
2	7N	227	TYR	N-CA-C	-11.93	86.78	108.02
2	1B	78	HIS	CB-CG-ND1	-11.93	104.80	122.70
2	1J	78	HIS	CB-CG-ND1	-11.93	104.80	122.70
2	2F	78	HIS	CB-CG-ND1	-11.93	104.80	122.70
2	27	78	HIS	CB-CG-ND1	-11.93	104.80	122.70
2	3F	78	HIS	CB-CG-ND1	-11.93	104.80	122.70
2	4B	78	HIS	CB-CG-ND1	-11.93	104.80	122.70
2	4N	78	HIS	CB-CG-ND1	-11.93	104.80	122.70
2	4V	78	HIS	CB-CG-ND1	-11.93	104.80	122.70
2	5R	78	HIS	CB-CG-ND1	-11.93	104.80	122.70
2	6J	78	HIS	CB-CG-ND1	-11.93	104.80	122.70
2	6R	78	HIS	CB-CG-ND1	-11.93	104.80	122.70
2	7N	78	HIS	CB-CG-ND1	-11.93	104.80	122.70
1	1Q	80	PHE	CB-CG-CD1	-11.93	100.42	120.70
1	1U	80	PHE	CB-CG-CD1	-11.93	100.42	120.70
1	1Y	80	PHE	CB-CG-CD1	-11.93	100.42	120.70
1	2Q	80	PHE	CB-CG-CD1	-11.93	100.42	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	80	PHE	CB-CG-CD1	-11.93	100.42	120.70
1	2Y	80	PHE	CB-CG-CD1	-11.93	100.42	120.70
1	42	80	PHE	CB-CG-CD1	-11.93	100.42	120.70
1	46	80	PHE	CB-CG-CD1	-11.93	100.42	120.70
1	5A	80	PHE	CB-CG-CD1	-11.93	100.42	120.70
1	52	80	PHE	CB-CG-CD1	-11.93	100.42	120.70
1	56	80	PHE	CB-CG-CD1	-11.93	100.42	120.70
1	6A	80	PHE	CB-CG-CD1	-11.93	100.42	120.70
1	1A	27	LYS	CA-C-O	11.93	133.56	120.20
1	1I	27	LYS	CA-C-O	11.93	133.56	120.20
1	1M	80	PHE	CB-CG-CD1	-11.93	100.43	120.70
1	2E	27	LYS	CA-C-O	11.93	133.56	120.20
1	2I	80	PHE	CB-CG-CD1	-11.93	100.43	120.70
1	26	27	LYS	CA-C-O	11.93	133.56	120.20
1	3A	80	PHE	CB-CG-CD1	-11.93	100.43	120.70
1	3E	27	LYS	CA-C-O	11.93	133.56	120.20
1	3I	80	PHE	CB-CG-CD1	-11.93	100.43	120.70
1	32	80	PHE	CB-CG-CD1	-11.93	100.43	120.70
1	4A	27	LYS	CA-C-O	11.93	133.56	120.20
1	4E	80	PHE	CB-CG-CD1	-11.93	100.43	120.70
1	4M	27	LYS	CA-C-O	11.93	133.56	120.20
1	4U	27	LYS	CA-C-O	11.93	133.56	120.20
1	4Y	80	PHE	CB-CG-CD1	-11.93	100.43	120.70
1	5Q	27	LYS	CA-C-O	11.93	133.56	120.20
1	5U	80	PHE	CB-CG-CD1	-11.93	100.43	120.70
1	6I	27	LYS	CA-C-O	11.93	133.56	120.20
1	6M	80	PHE	CB-CG-CD1	-11.93	100.43	120.70
1	6Q	27	LYS	CA-C-O	11.93	133.56	120.20
1	6U	80	PHE	CB-CG-CD1	-11.93	100.43	120.70
1	7E	80	PHE	CB-CG-CD1	-11.93	100.43	120.70
1	7M	27	LYS	CA-C-O	11.93	133.56	120.20
1	7Q	80	PHE	CB-CG-CD1	-11.93	100.43	120.70
3	1O	30	HIS	ND1-CE1-NE2	11.92	120.32	108.40
3	2K	30	HIS	ND1-CE1-NE2	11.92	120.32	108.40
3	3C	30	HIS	ND1-CE1-NE2	11.92	120.32	108.40
3	3K	30	HIS	ND1-CE1-NE2	11.92	120.32	108.40
3	34	30	HIS	ND1-CE1-NE2	11.92	120.32	108.40
3	4G	30	HIS	ND1-CE1-NE2	11.92	120.32	108.40
3	40	30	HIS	ND1-CE1-NE2	11.92	120.32	108.40
3	5W	30	HIS	ND1-CE1-NE2	11.92	120.32	108.40
3	6O	30	HIS	ND1-CE1-NE2	11.92	120.32	108.40
3	6W	30	HIS	ND1-CE1-NE2	11.92	120.32	108.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	7G	30	HIS	ND1-CE1-NE2	11.92	120.32	108.40
3	7S	30	HIS	ND1-CE1-NE2	11.92	120.32	108.40
1	1A	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	1E	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	1I	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	2E	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	2M	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	22	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	26	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	3E	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	3M	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	36	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	4A	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	4I	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	4M	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	4Q	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	4U	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	5Q	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	5Y	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	6E	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	6I	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	6Q	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	6Y	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	7I	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	7M	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	7U	80	PHE	CB-CG-CD1	-11.92	100.44	120.70
1	1M	179	VAL	CA-C-N	-11.91	104.82	122.68
1	1M	179	VAL	C-N-CA	-11.91	104.82	122.68
2	1N	78	HIS	CB-CG-ND1	-11.91	104.84	122.70
1	2I	179	VAL	CA-C-N	-11.91	104.82	122.68
1	2I	179	VAL	C-N-CA	-11.91	104.82	122.68
2	2J	78	HIS	CB-CG-ND1	-11.91	104.84	122.70
1	3A	179	VAL	CA-C-N	-11.91	104.82	122.68
1	3A	179	VAL	C-N-CA	-11.91	104.82	122.68
2	3B	78	HIS	CB-CG-ND1	-11.91	104.84	122.70
1	3I	179	VAL	CA-C-N	-11.91	104.82	122.68
1	3I	179	VAL	C-N-CA	-11.91	104.82	122.68
2	3J	78	HIS	CB-CG-ND1	-11.91	104.84	122.70
1	32	179	VAL	CA-C-N	-11.91	104.82	122.68
1	32	179	VAL	C-N-CA	-11.91	104.82	122.68
2	33	78	HIS	CB-CG-ND1	-11.91	104.84	122.70
1	4E	179	VAL	CA-C-N	-11.91	104.82	122.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	179	VAL	C-N-CA	-11.91	104.82	122.68
2	4F	78	HIS	CB-CG-ND1	-11.91	104.84	122.70
1	4Y	179	VAL	CA-C-N	-11.91	104.82	122.68
1	4Y	179	VAL	C-N-CA	-11.91	104.82	122.68
2	4Z	78	HIS	CB-CG-ND1	-11.91	104.84	122.70
1	5U	179	VAL	CA-C-N	-11.91	104.82	122.68
1	5U	179	VAL	C-N-CA	-11.91	104.82	122.68
2	5V	78	HIS	CB-CG-ND1	-11.91	104.84	122.70
1	6M	179	VAL	CA-C-N	-11.91	104.82	122.68
1	6M	179	VAL	C-N-CA	-11.91	104.82	122.68
2	6N	78	HIS	CB-CG-ND1	-11.91	104.84	122.70
1	6U	179	VAL	CA-C-N	-11.91	104.82	122.68
1	6U	179	VAL	C-N-CA	-11.91	104.82	122.68
2	6V	78	HIS	CB-CG-ND1	-11.91	104.84	122.70
1	7E	179	VAL	CA-C-N	-11.91	104.82	122.68
1	7E	179	VAL	C-N-CA	-11.91	104.82	122.68
2	7F	78	HIS	CB-CG-ND1	-11.91	104.84	122.70
1	7Q	179	VAL	CA-C-N	-11.91	104.82	122.68
1	7Q	179	VAL	C-N-CA	-11.91	104.82	122.68
2	7R	78	HIS	CB-CG-ND1	-11.91	104.84	122.70
2	1F	54	ASN	OD1-CG-ND2	-11.91	110.69	122.60
2	2N	54	ASN	OD1-CG-ND2	-11.91	110.69	122.60
2	23	54	ASN	OD1-CG-ND2	-11.91	110.69	122.60
2	3N	54	ASN	OD1-CG-ND2	-11.91	110.69	122.60
2	37	54	ASN	OD1-CG-ND2	-11.91	110.69	122.60
2	4J	54	ASN	OD1-CG-ND2	-11.91	110.69	122.60
2	4R	54	ASN	OD1-CG-ND2	-11.91	110.69	122.60
2	5Z	54	ASN	OD1-CG-ND2	-11.91	110.69	122.60
2	6F	54	ASN	OD1-CG-ND2	-11.91	110.69	122.60
2	6Z	54	ASN	OD1-CG-ND2	-11.91	110.69	122.60
2	7J	54	ASN	OD1-CG-ND2	-11.91	110.69	122.60
2	7V	54	ASN	OD1-CG-ND2	-11.91	110.69	122.60
2	1R	227	TYR	N-CA-C	-11.90	86.83	108.02
2	57	227	TYR	N-CA-C	-11.90	86.83	108.02
1	1E	179	VAL	CA-C-N	-11.90	104.83	122.68
1	1E	179	VAL	C-N-CA	-11.90	104.83	122.68
1	1Q	27	LYS	CA-C-O	11.90	133.53	120.20
1	1U	27	LYS	CA-C-O	11.90	133.53	120.20
2	1V	227	TYR	N-CA-C	-11.90	86.83	108.02
1	1Y	27	LYS	CA-C-O	11.90	133.53	120.20
2	1Z	227	TYR	N-CA-C	-11.90	86.83	108.02
2	2R	227	TYR	N-CA-C	-11.90	86.83	108.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	227	TYR	N-CA-C	-11.90	86.83	108.02
2	53	227	TYR	N-CA-C	-11.90	86.83	108.02
1	2M	179	VAL	CA-C-N	-11.90	104.83	122.68
1	2M	179	VAL	C-N-CA	-11.90	104.83	122.68
1	2Q	27	LYS	CA-C-O	11.90	133.53	120.20
1	2U	27	LYS	CA-C-O	11.90	133.53	120.20
1	2Y	27	LYS	CA-C-O	11.90	133.53	120.20
2	2Z	227	TYR	N-CA-C	-11.90	86.83	108.02
2	43	227	TYR	N-CA-C	-11.90	86.83	108.02
2	47	227	TYR	N-CA-C	-11.90	86.83	108.02
2	5B	227	TYR	N-CA-C	-11.90	86.83	108.02
2	6B	227	TYR	N-CA-C	-11.90	86.83	108.02
1	22	179	VAL	CA-C-N	-11.90	104.83	122.68
1	22	179	VAL	C-N-CA	-11.90	104.83	122.68
1	3M	179	VAL	CA-C-N	-11.90	104.83	122.68
1	3M	179	VAL	C-N-CA	-11.90	104.83	122.68
1	36	179	VAL	CA-C-N	-11.90	104.83	122.68
1	36	179	VAL	C-N-CA	-11.90	104.83	122.68
1	4I	179	VAL	CA-C-N	-11.90	104.83	122.68
1	4I	179	VAL	C-N-CA	-11.90	104.83	122.68
1	4Q	179	VAL	CA-C-N	-11.90	104.83	122.68
1	4Q	179	VAL	C-N-CA	-11.90	104.83	122.68
1	42	27	LYS	CA-C-O	11.90	133.53	120.20
1	46	27	LYS	CA-C-O	11.90	133.53	120.20
1	5A	27	LYS	CA-C-O	11.90	133.53	120.20
1	5Y	179	VAL	CA-C-N	-11.90	104.83	122.68
1	5Y	179	VAL	C-N-CA	-11.90	104.83	122.68
1	52	27	LYS	CA-C-O	11.90	133.53	120.20
1	56	27	LYS	CA-C-O	11.90	133.53	120.20
1	6A	27	LYS	CA-C-O	11.90	133.53	120.20
1	6E	179	VAL	CA-C-N	-11.90	104.83	122.68
1	6E	179	VAL	C-N-CA	-11.90	104.83	122.68
1	6Y	179	VAL	CA-C-N	-11.90	104.83	122.68
1	6Y	179	VAL	C-N-CA	-11.90	104.83	122.68
1	7I	179	VAL	CA-C-N	-11.90	104.83	122.68
1	7I	179	VAL	C-N-CA	-11.90	104.83	122.68
1	7U	179	VAL	CA-C-N	-11.90	104.83	122.68
1	7U	179	VAL	C-N-CA	-11.90	104.83	122.68
2	1F	78	HIS	CB-CG-ND1	-11.90	104.85	122.70
2	2N	78	HIS	CB-CG-ND1	-11.90	104.85	122.70
2	23	78	HIS	CB-CG-ND1	-11.90	104.85	122.70
2	3N	78	HIS	CB-CG-ND1	-11.90	104.85	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	78	HIS	CB-CG-ND1	-11.90	104.85	122.70
2	4J	78	HIS	CB-CG-ND1	-11.90	104.85	122.70
2	4R	78	HIS	CB-CG-ND1	-11.90	104.85	122.70
2	5Z	78	HIS	CB-CG-ND1	-11.90	104.85	122.70
2	6F	78	HIS	CB-CG-ND1	-11.90	104.85	122.70
2	6Z	78	HIS	CB-CG-ND1	-11.90	104.85	122.70
2	7J	78	HIS	CB-CG-ND1	-11.90	104.85	122.70
2	7V	78	HIS	CB-CG-ND1	-11.90	104.85	122.70
1	1E	27	LYS	CA-C-O	11.90	133.52	120.20
1	2M	27	LYS	CA-C-O	11.90	133.52	120.20
1	22	27	LYS	CA-C-O	11.90	133.52	120.20
1	3M	27	LYS	CA-C-O	11.90	133.52	120.20
1	36	27	LYS	CA-C-O	11.90	133.52	120.20
1	4I	27	LYS	CA-C-O	11.90	133.52	120.20
1	4Q	27	LYS	CA-C-O	11.90	133.52	120.20
1	5Y	27	LYS	CA-C-O	11.90	133.52	120.20
1	6E	27	LYS	CA-C-O	11.90	133.52	120.20
1	6Y	27	LYS	CA-C-O	11.90	133.52	120.20
1	7I	27	LYS	CA-C-O	11.90	133.52	120.20
1	7U	27	LYS	CA-C-O	11.90	133.52	120.20
1	1Q	179	VAL	CA-C-N	-11.89	104.84	122.68
1	1Q	179	VAL	C-N-CA	-11.89	104.84	122.68
1	1U	179	VAL	CA-C-N	-11.89	104.84	122.68
1	1U	179	VAL	C-N-CA	-11.89	104.84	122.68
1	1Y	179	VAL	CA-C-N	-11.89	104.84	122.68
1	1Y	179	VAL	C-N-CA	-11.89	104.84	122.68
1	2Q	179	VAL	CA-C-N	-11.89	104.84	122.68
1	2Q	179	VAL	C-N-CA	-11.89	104.84	122.68
1	2U	179	VAL	CA-C-N	-11.89	104.84	122.68
1	2U	179	VAL	C-N-CA	-11.89	104.84	122.68
1	2Y	179	VAL	CA-C-N	-11.89	104.84	122.68
1	2Y	179	VAL	C-N-CA	-11.89	104.84	122.68
1	42	179	VAL	CA-C-N	-11.89	104.84	122.68
1	42	179	VAL	C-N-CA	-11.89	104.84	122.68
1	46	179	VAL	CA-C-N	-11.89	104.84	122.68
1	46	179	VAL	C-N-CA	-11.89	104.84	122.68
1	5A	179	VAL	CA-C-N	-11.89	104.84	122.68
1	5A	179	VAL	C-N-CA	-11.89	104.84	122.68
1	52	179	VAL	CA-C-N	-11.89	104.84	122.68
1	52	179	VAL	C-N-CA	-11.89	104.84	122.68
1	56	179	VAL	CA-C-N	-11.89	104.84	122.68
1	56	179	VAL	C-N-CA	-11.89	104.84	122.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6A	179	VAL	CA-C-N	-11.89	104.84	122.68
1	6A	179	VAL	C-N-CA	-11.89	104.84	122.68
1	1A	179	VAL	CA-C-N	-11.89	104.84	122.68
1	1A	179	VAL	C-N-CA	-11.89	104.84	122.68
4	1H	104	HIS	ND1-CE1-NE2	11.89	120.29	108.40
1	1I	179	VAL	CA-C-N	-11.89	104.84	122.68
1	1I	179	VAL	C-N-CA	-11.89	104.84	122.68
1	12	9	PHE	N-CA-C	-11.89	92.03	109.15
1	16	9	PHE	N-CA-C	-11.89	92.03	109.15
1	2A	9	PHE	N-CA-C	-11.89	92.03	109.15
1	2E	179	VAL	CA-C-N	-11.89	104.84	122.68
1	2E	179	VAL	C-N-CA	-11.89	104.84	122.68
4	2P	104	HIS	ND1-CE1-NE2	11.89	120.29	108.40
4	25	104	HIS	ND1-CE1-NE2	11.89	120.29	108.40
1	26	179	VAL	CA-C-N	-11.89	104.84	122.68
1	26	179	VAL	C-N-CA	-11.89	104.84	122.68
1	3E	179	VAL	CA-C-N	-11.89	104.84	122.68
1	3E	179	VAL	C-N-CA	-11.89	104.84	122.68
4	3P	104	HIS	ND1-CE1-NE2	11.89	120.29	108.40
1	3Q	9	PHE	N-CA-C	-11.89	92.03	109.15
1	3U	9	PHE	N-CA-C	-11.89	92.03	109.15
1	3Y	9	PHE	N-CA-C	-11.89	92.03	109.15
4	39	104	HIS	ND1-CE1-NE2	11.89	120.29	108.40
1	4A	179	VAL	CA-C-N	-11.89	104.84	122.68
1	4A	179	VAL	C-N-CA	-11.89	104.84	122.68
4	4L	104	HIS	ND1-CE1-NE2	11.89	120.29	108.40
1	4M	179	VAL	CA-C-N	-11.89	104.84	122.68
1	4M	179	VAL	C-N-CA	-11.89	104.84	122.68
4	4T	104	HIS	ND1-CE1-NE2	11.89	120.29	108.40
1	4U	179	VAL	CA-C-N	-11.89	104.84	122.68
1	4U	179	VAL	C-N-CA	-11.89	104.84	122.68
1	5E	9	PHE	N-CA-C	-11.89	92.03	109.15
1	5I	9	PHE	N-CA-C	-11.89	92.03	109.15
1	5M	9	PHE	N-CA-C	-11.89	92.03	109.15
1	5Q	179	VAL	CA-C-N	-11.89	104.84	122.68
1	5Q	179	VAL	C-N-CA	-11.89	104.84	122.68
4	51	104	HIS	ND1-CE1-NE2	11.89	120.29	108.40
4	6H	104	HIS	ND1-CE1-NE2	11.89	120.29	108.40
1	6I	179	VAL	CA-C-N	-11.89	104.84	122.68
1	6I	179	VAL	C-N-CA	-11.89	104.84	122.68
1	6Q	179	VAL	CA-C-N	-11.89	104.84	122.68
1	6Q	179	VAL	C-N-CA	-11.89	104.84	122.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	61	104	HIS	ND1-CE1-NE2	11.89	120.29	108.40
1	62	9	PHE	N-CA-C	-11.89	92.03	109.15
1	66	9	PHE	N-CA-C	-11.89	92.03	109.15
1	7A	9	PHE	N-CA-C	-11.89	92.03	109.15
4	7L	104	HIS	ND1-CE1-NE2	11.89	120.29	108.40
1	7M	179	VAL	CA-C-N	-11.89	104.84	122.68
1	7M	179	VAL	C-N-CA	-11.89	104.84	122.68
4	7X	104	HIS	ND1-CE1-NE2	11.89	120.29	108.40
1	1E	9	PHE	N-CA-C	-11.89	92.03	109.15
1	2M	9	PHE	N-CA-C	-11.89	92.03	109.15
1	22	9	PHE	N-CA-C	-11.89	92.03	109.15
1	3M	9	PHE	N-CA-C	-11.89	92.03	109.15
1	36	9	PHE	N-CA-C	-11.89	92.03	109.15
1	4I	9	PHE	N-CA-C	-11.89	92.03	109.15
1	4Q	9	PHE	N-CA-C	-11.89	92.03	109.15
1	5Y	9	PHE	N-CA-C	-11.89	92.03	109.15
1	6E	9	PHE	N-CA-C	-11.89	92.03	109.15
1	6Y	9	PHE	N-CA-C	-11.89	92.03	109.15
1	7I	9	PHE	N-CA-C	-11.89	92.03	109.15
1	7U	9	PHE	N-CA-C	-11.89	92.03	109.15
4	1T	104	HIS	ND1-CE1-NE2	11.88	120.28	108.40
4	1X	104	HIS	ND1-CE1-NE2	11.88	120.28	108.40
4	11	104	HIS	ND1-CE1-NE2	11.88	120.28	108.40
4	2T	104	HIS	ND1-CE1-NE2	11.88	120.28	108.40
4	2X	104	HIS	ND1-CE1-NE2	11.88	120.28	108.40
4	21	104	HIS	ND1-CE1-NE2	11.88	120.28	108.40
4	45	104	HIS	ND1-CE1-NE2	11.88	120.28	108.40
4	49	104	HIS	ND1-CE1-NE2	11.88	120.28	108.40
4	5D	104	HIS	ND1-CE1-NE2	11.88	120.28	108.40
4	55	104	HIS	ND1-CE1-NE2	11.88	120.28	108.40
4	59	104	HIS	ND1-CE1-NE2	11.88	120.28	108.40
4	6D	104	HIS	ND1-CE1-NE2	11.88	120.28	108.40
1	1M	9	PHE	N-CA-C	-11.88	92.05	109.15
1	2I	9	PHE	N-CA-C	-11.88	92.05	109.15
1	3A	9	PHE	N-CA-C	-11.88	92.05	109.15
1	3I	9	PHE	N-CA-C	-11.88	92.05	109.15
1	32	9	PHE	N-CA-C	-11.88	92.05	109.15
1	4E	9	PHE	N-CA-C	-11.88	92.05	109.15
1	4Y	9	PHE	N-CA-C	-11.88	92.05	109.15
1	5U	9	PHE	N-CA-C	-11.88	92.05	109.15
1	6M	9	PHE	N-CA-C	-11.88	92.05	109.15
1	6U	9	PHE	N-CA-C	-11.88	92.05	109.15

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	9	PHE	N-CA-C	-11.88	92.05	109.15
1	7Q	9	PHE	N-CA-C	-11.88	92.05	109.15
1	1A	9	PHE	N-CA-C	-11.87	92.06	109.15
1	1I	9	PHE	N-CA-C	-11.87	92.06	109.15
1	1Q	9	PHE	N-CA-C	-11.87	92.06	109.15
1	1U	9	PHE	N-CA-C	-11.87	92.06	109.15
1	1Y	9	PHE	N-CA-C	-11.87	92.06	109.15
2	13	54	ASN	OD1-CG-ND2	-11.87	110.73	122.60
2	17	54	ASN	OD1-CG-ND2	-11.87	110.73	122.60
2	2B	54	ASN	OD1-CG-ND2	-11.87	110.73	122.60
1	2E	9	PHE	N-CA-C	-11.87	92.06	109.15
1	2Q	9	PHE	N-CA-C	-11.87	92.06	109.15
1	2U	9	PHE	N-CA-C	-11.87	92.06	109.15
1	2Y	9	PHE	N-CA-C	-11.87	92.06	109.15
1	26	9	PHE	N-CA-C	-11.87	92.06	109.15
1	3E	9	PHE	N-CA-C	-11.87	92.06	109.15
2	3R	54	ASN	OD1-CG-ND2	-11.87	110.73	122.60
2	3V	54	ASN	OD1-CG-ND2	-11.87	110.73	122.60
2	3Z	54	ASN	OD1-CG-ND2	-11.87	110.73	122.60
1	4A	9	PHE	N-CA-C	-11.87	92.06	109.15
1	4M	9	PHE	N-CA-C	-11.87	92.06	109.15
1	4U	9	PHE	N-CA-C	-11.87	92.06	109.15
1	42	9	PHE	N-CA-C	-11.87	92.06	109.15
1	46	9	PHE	N-CA-C	-11.87	92.06	109.15
1	5A	9	PHE	N-CA-C	-11.87	92.06	109.15
2	5F	54	ASN	OD1-CG-ND2	-11.87	110.73	122.60
2	5J	54	ASN	OD1-CG-ND2	-11.87	110.73	122.60
2	5N	54	ASN	OD1-CG-ND2	-11.87	110.73	122.60
1	5Q	9	PHE	N-CA-C	-11.87	92.06	109.15
1	52	9	PHE	N-CA-C	-11.87	92.06	109.15
1	56	9	PHE	N-CA-C	-11.87	92.06	109.15
1	6A	9	PHE	N-CA-C	-11.87	92.06	109.15
1	6I	9	PHE	N-CA-C	-11.87	92.06	109.15
1	6Q	9	PHE	N-CA-C	-11.87	92.06	109.15
2	63	54	ASN	OD1-CG-ND2	-11.87	110.73	122.60
2	67	54	ASN	OD1-CG-ND2	-11.87	110.73	122.60
2	7B	54	ASN	OD1-CG-ND2	-11.87	110.73	122.60
1	7M	9	PHE	N-CA-C	-11.87	92.06	109.15
4	1D	104	HIS	ND1-CE1-NE2	11.87	120.27	108.40
4	1L	104	HIS	ND1-CE1-NE2	11.87	120.27	108.40
1	12	179	VAL	CA-C-N	-11.87	104.88	122.68
1	12	179	VAL	C-N-CA	-11.87	104.88	122.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16	179	VAL	CA-C-N	-11.87	104.88	122.68
1	16	179	VAL	C-N-CA	-11.87	104.88	122.68
1	2A	179	VAL	CA-C-N	-11.87	104.88	122.68
1	2A	179	VAL	C-N-CA	-11.87	104.88	122.68
4	2H	104	HIS	ND1-CE1-NE2	11.87	120.27	108.40
4	29	104	HIS	ND1-CE1-NE2	11.87	120.27	108.40
4	3H	104	HIS	ND1-CE1-NE2	11.87	120.27	108.40
1	3Q	179	VAL	CA-C-N	-11.87	104.88	122.68
1	3Q	179	VAL	C-N-CA	-11.87	104.88	122.68
1	3U	179	VAL	CA-C-N	-11.87	104.88	122.68
1	3U	179	VAL	C-N-CA	-11.87	104.88	122.68
1	3Y	179	VAL	CA-C-N	-11.87	104.88	122.68
1	3Y	179	VAL	C-N-CA	-11.87	104.88	122.68
4	4D	104	HIS	ND1-CE1-NE2	11.87	120.27	108.40
4	4P	104	HIS	ND1-CE1-NE2	11.87	120.27	108.40
4	4X	104	HIS	ND1-CE1-NE2	11.87	120.27	108.40
1	5E	179	VAL	CA-C-N	-11.87	104.88	122.68
1	5E	179	VAL	C-N-CA	-11.87	104.88	122.68
1	5I	179	VAL	CA-C-N	-11.87	104.88	122.68
1	5I	179	VAL	C-N-CA	-11.87	104.88	122.68
1	5M	179	VAL	CA-C-N	-11.87	104.88	122.68
1	5M	179	VAL	C-N-CA	-11.87	104.88	122.68
4	5T	104	HIS	ND1-CE1-NE2	11.87	120.27	108.40
4	6L	104	HIS	ND1-CE1-NE2	11.87	120.27	108.40
4	6T	104	HIS	ND1-CE1-NE2	11.87	120.27	108.40
1	62	179	VAL	CA-C-N	-11.87	104.88	122.68
1	62	179	VAL	C-N-CA	-11.87	104.88	122.68
1	66	179	VAL	CA-C-N	-11.87	104.88	122.68
1	66	179	VAL	C-N-CA	-11.87	104.88	122.68
1	7A	179	VAL	CA-C-N	-11.87	104.88	122.68
1	7A	179	VAL	C-N-CA	-11.87	104.88	122.68
4	7P	104	HIS	ND1-CE1-NE2	11.87	120.27	108.40
2	1B	54	ASN	OD1-CG-ND2	-11.86	110.74	122.60
2	1J	54	ASN	OD1-CG-ND2	-11.86	110.74	122.60
2	2F	54	ASN	OD1-CG-ND2	-11.86	110.74	122.60
2	27	54	ASN	OD1-CG-ND2	-11.86	110.74	122.60
2	3F	54	ASN	OD1-CG-ND2	-11.86	110.74	122.60
2	4B	54	ASN	OD1-CG-ND2	-11.86	110.74	122.60
2	4N	54	ASN	OD1-CG-ND2	-11.86	110.74	122.60
2	4V	54	ASN	OD1-CG-ND2	-11.86	110.74	122.60
2	5R	54	ASN	OD1-CG-ND2	-11.86	110.74	122.60
2	6J	54	ASN	OD1-CG-ND2	-11.86	110.74	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	54	ASN	OD1-CG-ND2	-11.86	110.74	122.60
2	7N	54	ASN	OD1-CG-ND2	-11.86	110.74	122.60
2	1F	79	VAL	CA-C-N	11.86	140.52	120.72
2	1F	79	VAL	C-N-CA	11.86	140.52	120.72
2	1R	79	VAL	CA-C-N	11.86	140.52	120.72
2	1R	79	VAL	C-N-CA	11.86	140.52	120.72
2	1V	79	VAL	CA-C-N	11.86	140.52	120.72
2	1V	79	VAL	C-N-CA	11.86	140.52	120.72
2	1Z	79	VAL	CA-C-N	11.86	140.52	120.72
2	1Z	79	VAL	C-N-CA	11.86	140.52	120.72
2	2N	79	VAL	CA-C-N	11.86	140.52	120.72
2	2N	79	VAL	C-N-CA	11.86	140.52	120.72
2	2R	79	VAL	CA-C-N	11.86	140.52	120.72
2	2R	79	VAL	C-N-CA	11.86	140.52	120.72
2	2V	79	VAL	CA-C-N	11.86	140.52	120.72
2	2V	79	VAL	C-N-CA	11.86	140.52	120.72
2	2Z	79	VAL	CA-C-N	11.86	140.52	120.72
2	2Z	79	VAL	C-N-CA	11.86	140.52	120.72
2	23	79	VAL	CA-C-N	11.86	140.52	120.72
2	23	79	VAL	C-N-CA	11.86	140.52	120.72
2	3N	79	VAL	CA-C-N	11.86	140.52	120.72
2	3N	79	VAL	C-N-CA	11.86	140.52	120.72
2	37	79	VAL	CA-C-N	11.86	140.52	120.72
2	37	79	VAL	C-N-CA	11.86	140.52	120.72
2	4J	79	VAL	CA-C-N	11.86	140.52	120.72
2	4J	79	VAL	C-N-CA	11.86	140.52	120.72
2	4R	79	VAL	CA-C-N	11.86	140.52	120.72
2	4R	79	VAL	C-N-CA	11.86	140.52	120.72
2	43	79	VAL	CA-C-N	11.86	140.52	120.72
2	43	79	VAL	C-N-CA	11.86	140.52	120.72
2	47	79	VAL	CA-C-N	11.86	140.52	120.72
2	47	79	VAL	C-N-CA	11.86	140.52	120.72
2	5B	79	VAL	CA-C-N	11.86	140.52	120.72
2	5B	79	VAL	C-N-CA	11.86	140.52	120.72
2	5Z	79	VAL	CA-C-N	11.86	140.52	120.72
2	5Z	79	VAL	C-N-CA	11.86	140.52	120.72
2	53	79	VAL	CA-C-N	11.86	140.52	120.72
2	53	79	VAL	C-N-CA	11.86	140.52	120.72
2	57	79	VAL	CA-C-N	11.86	140.52	120.72
2	57	79	VAL	C-N-CA	11.86	140.52	120.72
2	6B	79	VAL	CA-C-N	11.86	140.52	120.72
2	6B	79	VAL	C-N-CA	11.86	140.52	120.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	79	VAL	CA-C-N	11.86	140.52	120.72
2	6F	79	VAL	C-N-CA	11.86	140.52	120.72
2	6Z	79	VAL	CA-C-N	11.86	140.52	120.72
2	6Z	79	VAL	C-N-CA	11.86	140.52	120.72
2	7J	79	VAL	CA-C-N	11.86	140.52	120.72
2	7J	79	VAL	C-N-CA	11.86	140.52	120.72
2	7V	79	VAL	CA-C-N	11.86	140.52	120.72
2	7V	79	VAL	C-N-CA	11.86	140.52	120.72
4	1P	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
2	13	79	VAL	CA-C-N	11.85	140.51	120.72
2	13	79	VAL	C-N-CA	11.85	140.51	120.72
2	17	79	VAL	CA-C-N	11.85	140.51	120.72
2	17	79	VAL	C-N-CA	11.85	140.51	120.72
2	2B	79	VAL	CA-C-N	11.85	140.51	120.72
2	2B	79	VAL	C-N-CA	11.85	140.51	120.72
4	2L	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	3D	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	3L	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
2	3R	79	VAL	CA-C-N	11.85	140.51	120.72
2	3R	79	VAL	C-N-CA	11.85	140.51	120.72
2	3V	79	VAL	CA-C-N	11.85	140.51	120.72
2	3V	79	VAL	C-N-CA	11.85	140.51	120.72
2	3Z	79	VAL	CA-C-N	11.85	140.51	120.72
2	3Z	79	VAL	C-N-CA	11.85	140.51	120.72
4	35	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	4H	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	41	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
2	5F	79	VAL	CA-C-N	11.85	140.51	120.72
2	5F	79	VAL	C-N-CA	11.85	140.51	120.72
2	5J	79	VAL	CA-C-N	11.85	140.51	120.72
2	5J	79	VAL	C-N-CA	11.85	140.51	120.72
2	5N	79	VAL	CA-C-N	11.85	140.51	120.72
2	5N	79	VAL	C-N-CA	11.85	140.51	120.72
4	5X	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	6P	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	6X	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
2	63	79	VAL	CA-C-N	11.85	140.51	120.72
2	63	79	VAL	C-N-CA	11.85	140.51	120.72
2	67	79	VAL	CA-C-N	11.85	140.51	120.72
2	67	79	VAL	C-N-CA	11.85	140.51	120.72
2	7B	79	VAL	CA-C-N	11.85	140.51	120.72
2	7B	79	VAL	C-N-CA	11.85	140.51	120.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	7H	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	7T	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
2	1N	54	ASN	OD1-CG-ND2	-11.85	110.75	122.60
2	2J	54	ASN	OD1-CG-ND2	-11.85	110.75	122.60
2	3B	54	ASN	OD1-CG-ND2	-11.85	110.75	122.60
2	3J	54	ASN	OD1-CG-ND2	-11.85	110.75	122.60
2	33	54	ASN	OD1-CG-ND2	-11.85	110.75	122.60
2	4F	54	ASN	OD1-CG-ND2	-11.85	110.75	122.60
2	4Z	54	ASN	OD1-CG-ND2	-11.85	110.75	122.60
2	5V	54	ASN	OD1-CG-ND2	-11.85	110.75	122.60
2	6N	54	ASN	OD1-CG-ND2	-11.85	110.75	122.60
2	6V	54	ASN	OD1-CG-ND2	-11.85	110.75	122.60
2	7F	54	ASN	OD1-CG-ND2	-11.85	110.75	122.60
2	7R	54	ASN	OD1-CG-ND2	-11.85	110.75	122.60
4	15	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	19	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	2D	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	3T	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	3X	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	31	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	5H	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	5L	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	5P	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	65	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	69	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
4	7D	104	HIS	ND1-CE1-NE2	11.85	120.25	108.40
2	1N	79	VAL	CA-C-N	11.84	140.50	120.72
2	1N	79	VAL	C-N-CA	11.84	140.50	120.72
2	2J	79	VAL	CA-C-N	11.84	140.50	120.72
2	2J	79	VAL	C-N-CA	11.84	140.50	120.72
2	3B	79	VAL	CA-C-N	11.84	140.50	120.72
2	3B	79	VAL	C-N-CA	11.84	140.50	120.72
2	3J	79	VAL	CA-C-N	11.84	140.50	120.72
2	3J	79	VAL	C-N-CA	11.84	140.50	120.72
2	33	79	VAL	CA-C-N	11.84	140.50	120.72
2	33	79	VAL	C-N-CA	11.84	140.50	120.72
2	4F	79	VAL	CA-C-N	11.84	140.50	120.72
2	4F	79	VAL	C-N-CA	11.84	140.50	120.72
2	4Z	79	VAL	CA-C-N	11.84	140.50	120.72
2	4Z	79	VAL	C-N-CA	11.84	140.50	120.72
2	5V	79	VAL	CA-C-N	11.84	140.50	120.72
2	5V	79	VAL	C-N-CA	11.84	140.50	120.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6N	79	VAL	CA-C-N	11.84	140.50	120.72
2	6N	79	VAL	C-N-CA	11.84	140.50	120.72
2	6V	79	VAL	CA-C-N	11.84	140.50	120.72
2	6V	79	VAL	C-N-CA	11.84	140.50	120.72
2	7F	79	VAL	CA-C-N	11.84	140.50	120.72
2	7F	79	VAL	C-N-CA	11.84	140.50	120.72
2	7R	79	VAL	CA-C-N	11.84	140.50	120.72
2	7R	79	VAL	C-N-CA	11.84	140.50	120.72
2	1B	79	VAL	CA-C-N	11.84	140.50	120.72
2	1B	79	VAL	C-N-CA	11.84	140.50	120.72
2	1J	79	VAL	CA-C-N	11.84	140.50	120.72
2	1J	79	VAL	C-N-CA	11.84	140.50	120.72
2	2F	79	VAL	CA-C-N	11.84	140.50	120.72
2	2F	79	VAL	C-N-CA	11.84	140.50	120.72
2	27	79	VAL	CA-C-N	11.84	140.50	120.72
2	27	79	VAL	C-N-CA	11.84	140.50	120.72
2	3F	79	VAL	CA-C-N	11.84	140.50	120.72
2	3F	79	VAL	C-N-CA	11.84	140.50	120.72
2	4B	79	VAL	CA-C-N	11.84	140.50	120.72
2	4B	79	VAL	C-N-CA	11.84	140.50	120.72
2	4N	79	VAL	CA-C-N	11.84	140.50	120.72
2	4N	79	VAL	C-N-CA	11.84	140.50	120.72
2	4V	79	VAL	CA-C-N	11.84	140.50	120.72
2	4V	79	VAL	C-N-CA	11.84	140.50	120.72
2	5R	79	VAL	CA-C-N	11.84	140.50	120.72
2	5R	79	VAL	C-N-CA	11.84	140.50	120.72
2	6J	79	VAL	CA-C-N	11.84	140.50	120.72
2	6J	79	VAL	C-N-CA	11.84	140.50	120.72
2	6R	79	VAL	CA-C-N	11.84	140.50	120.72
2	6R	79	VAL	C-N-CA	11.84	140.50	120.72
2	7N	79	VAL	CA-C-N	11.84	140.50	120.72
2	7N	79	VAL	C-N-CA	11.84	140.50	120.72
2	1R	74	TYR	N-CA-C	-11.84	88.50	108.75
2	1V	74	TYR	N-CA-C	-11.84	88.50	108.75
2	1Z	74	TYR	N-CA-C	-11.84	88.50	108.75
2	2R	74	TYR	N-CA-C	-11.84	88.50	108.75
2	2V	74	TYR	N-CA-C	-11.84	88.50	108.75
2	2Z	74	TYR	N-CA-C	-11.84	88.50	108.75
2	43	74	TYR	N-CA-C	-11.84	88.50	108.75
2	47	74	TYR	N-CA-C	-11.84	88.50	108.75
2	5B	74	TYR	N-CA-C	-11.84	88.50	108.75
2	53	74	TYR	N-CA-C	-11.84	88.50	108.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	74	TYR	N-CA-C	-11.84	88.50	108.75
2	6B	74	TYR	N-CA-C	-11.84	88.50	108.75
2	1B	74	TYR	N-CA-C	-11.84	88.51	108.75
2	1J	74	TYR	N-CA-C	-11.84	88.51	108.75
2	2F	74	TYR	N-CA-C	-11.84	88.51	108.75
2	27	74	TYR	N-CA-C	-11.84	88.51	108.75
2	3F	74	TYR	N-CA-C	-11.84	88.51	108.75
2	4B	74	TYR	N-CA-C	-11.84	88.51	108.75
2	4N	74	TYR	N-CA-C	-11.84	88.51	108.75
2	4V	74	TYR	N-CA-C	-11.84	88.51	108.75
2	5R	74	TYR	N-CA-C	-11.84	88.51	108.75
2	6J	74	TYR	N-CA-C	-11.84	88.51	108.75
2	6R	74	TYR	N-CA-C	-11.84	88.51	108.75
2	7N	74	TYR	N-CA-C	-11.84	88.51	108.75
2	13	74	TYR	N-CA-C	-11.84	88.51	108.75
2	17	74	TYR	N-CA-C	-11.84	88.51	108.75
2	2B	74	TYR	N-CA-C	-11.84	88.51	108.75
2	3R	74	TYR	N-CA-C	-11.84	88.51	108.75
2	3V	74	TYR	N-CA-C	-11.84	88.51	108.75
2	3Z	74	TYR	N-CA-C	-11.84	88.51	108.75
2	5F	74	TYR	N-CA-C	-11.84	88.51	108.75
2	5J	74	TYR	N-CA-C	-11.84	88.51	108.75
2	5N	74	TYR	N-CA-C	-11.84	88.51	108.75
2	63	74	TYR	N-CA-C	-11.84	88.51	108.75
2	67	74	TYR	N-CA-C	-11.84	88.51	108.75
2	7B	74	TYR	N-CA-C	-11.84	88.51	108.75
2	1R	54	ASN	OD1-CG-ND2	-11.83	110.77	122.60
2	1V	54	ASN	OD1-CG-ND2	-11.83	110.77	122.60
2	1Z	54	ASN	OD1-CG-ND2	-11.83	110.77	122.60
2	2R	54	ASN	OD1-CG-ND2	-11.83	110.77	122.60
2	2V	54	ASN	OD1-CG-ND2	-11.83	110.77	122.60
2	2Z	54	ASN	OD1-CG-ND2	-11.83	110.77	122.60
2	43	54	ASN	OD1-CG-ND2	-11.83	110.77	122.60
2	47	54	ASN	OD1-CG-ND2	-11.83	110.77	122.60
2	5B	54	ASN	OD1-CG-ND2	-11.83	110.77	122.60
2	53	54	ASN	OD1-CG-ND2	-11.83	110.77	122.60
2	57	54	ASN	OD1-CG-ND2	-11.83	110.77	122.60
2	6B	54	ASN	OD1-CG-ND2	-11.83	110.77	122.60
2	1N	74	TYR	N-CA-C	-11.83	88.52	108.75
2	2J	74	TYR	N-CA-C	-11.83	88.52	108.75
2	3B	74	TYR	N-CA-C	-11.83	88.52	108.75
2	3J	74	TYR	N-CA-C	-11.83	88.52	108.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	74	TYR	N-CA-C	-11.83	88.52	108.75
2	4F	74	TYR	N-CA-C	-11.83	88.52	108.75
2	4Z	74	TYR	N-CA-C	-11.83	88.52	108.75
2	5V	74	TYR	N-CA-C	-11.83	88.52	108.75
2	6N	74	TYR	N-CA-C	-11.83	88.52	108.75
2	6V	74	TYR	N-CA-C	-11.83	88.52	108.75
2	7F	74	TYR	N-CA-C	-11.83	88.52	108.75
2	7R	74	TYR	N-CA-C	-11.83	88.52	108.75
1	1Q	146	ASN	N-CA-CB	11.83	128.50	109.69
1	1U	146	ASN	N-CA-CB	11.83	128.50	109.69
1	1Y	146	ASN	N-CA-CB	11.83	128.50	109.69
1	2Q	146	ASN	N-CA-CB	11.83	128.50	109.69
1	2U	146	ASN	N-CA-CB	11.83	128.50	109.69
1	2Y	146	ASN	N-CA-CB	11.83	128.50	109.69
1	42	146	ASN	N-CA-CB	11.83	128.50	109.69
1	46	146	ASN	N-CA-CB	11.83	128.50	109.69
1	5A	146	ASN	N-CA-CB	11.83	128.50	109.69
1	52	146	ASN	N-CA-CB	11.83	128.50	109.69
1	56	146	ASN	N-CA-CB	11.83	128.50	109.69
1	6A	146	ASN	N-CA-CB	11.83	128.50	109.69
1	1E	146	ASN	N-CA-CB	11.82	128.49	109.69
1	1M	146	ASN	N-CA-CB	11.82	128.49	109.69
1	2I	146	ASN	N-CA-CB	11.82	128.49	109.69
1	2M	146	ASN	N-CA-CB	11.82	128.49	109.69
1	22	146	ASN	N-CA-CB	11.82	128.49	109.69
1	3A	146	ASN	N-CA-CB	11.82	128.49	109.69
1	3I	146	ASN	N-CA-CB	11.82	128.49	109.69
1	3M	146	ASN	N-CA-CB	11.82	128.49	109.69
1	32	146	ASN	N-CA-CB	11.82	128.49	109.69
1	36	146	ASN	N-CA-CB	11.82	128.49	109.69
1	4E	146	ASN	N-CA-CB	11.82	128.49	109.69
1	4I	146	ASN	N-CA-CB	11.82	128.49	109.69
1	4Q	146	ASN	N-CA-CB	11.82	128.49	109.69
1	4Y	146	ASN	N-CA-CB	11.82	128.49	109.69
1	5U	146	ASN	N-CA-CB	11.82	128.49	109.69
1	5Y	146	ASN	N-CA-CB	11.82	128.49	109.69
1	6E	146	ASN	N-CA-CB	11.82	128.49	109.69
1	6M	146	ASN	N-CA-CB	11.82	128.49	109.69
1	6U	146	ASN	N-CA-CB	11.82	128.49	109.69
1	6Y	146	ASN	N-CA-CB	11.82	128.49	109.69
1	7E	146	ASN	N-CA-CB	11.82	128.49	109.69
1	7I	146	ASN	N-CA-CB	11.82	128.49	109.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	146	ASN	N-CA-CB	11.82	128.49	109.69
1	7U	146	ASN	N-CA-CB	11.82	128.49	109.69
1	1A	146	ASN	N-CA-CB	11.81	128.47	109.69
2	1F	74	TYR	N-CA-C	-11.81	88.55	108.75
1	1I	146	ASN	N-CA-CB	11.81	128.47	109.69
1	12	146	ASN	N-CA-CB	11.81	128.47	109.69
1	16	146	ASN	N-CA-CB	11.81	128.47	109.69
1	2A	146	ASN	N-CA-CB	11.81	128.47	109.69
1	2E	146	ASN	N-CA-CB	11.81	128.47	109.69
2	2N	74	TYR	N-CA-C	-11.81	88.55	108.75
2	23	74	TYR	N-CA-C	-11.81	88.55	108.75
1	26	146	ASN	N-CA-CB	11.81	128.47	109.69
1	3E	146	ASN	N-CA-CB	11.81	128.47	109.69
2	3N	74	TYR	N-CA-C	-11.81	88.55	108.75
1	3Q	146	ASN	N-CA-CB	11.81	128.47	109.69
1	3U	146	ASN	N-CA-CB	11.81	128.47	109.69
1	3Y	146	ASN	N-CA-CB	11.81	128.47	109.69
2	37	74	TYR	N-CA-C	-11.81	88.55	108.75
1	4A	146	ASN	N-CA-CB	11.81	128.47	109.69
2	4J	74	TYR	N-CA-C	-11.81	88.55	108.75
1	4M	146	ASN	N-CA-CB	11.81	128.47	109.69
2	4R	74	TYR	N-CA-C	-11.81	88.55	108.75
1	4U	146	ASN	N-CA-CB	11.81	128.47	109.69
1	5E	146	ASN	N-CA-CB	11.81	128.47	109.69
1	5I	146	ASN	N-CA-CB	11.81	128.47	109.69
1	5M	146	ASN	N-CA-CB	11.81	128.47	109.69
1	5Q	146	ASN	N-CA-CB	11.81	128.47	109.69
2	5Z	74	TYR	N-CA-C	-11.81	88.55	108.75
2	6F	74	TYR	N-CA-C	-11.81	88.55	108.75
1	6I	146	ASN	N-CA-CB	11.81	128.47	109.69
1	6Q	146	ASN	N-CA-CB	11.81	128.47	109.69
2	6Z	74	TYR	N-CA-C	-11.81	88.55	108.75
1	62	146	ASN	N-CA-CB	11.81	128.47	109.69
1	66	146	ASN	N-CA-CB	11.81	128.47	109.69
1	7A	146	ASN	N-CA-CB	11.81	128.47	109.69
2	7J	74	TYR	N-CA-C	-11.81	88.55	108.75
1	7M	146	ASN	N-CA-CB	11.81	128.47	109.69
2	7V	74	TYR	N-CA-C	-11.81	88.55	108.75
1	1A	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	1E	27	LYS	CA-CB-CG	-11.81	90.48	114.10
1	1I	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	12	27	LYS	CA-CB-CG	-11.81	90.49	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	2A	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	2E	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	2M	27	LYS	CA-CB-CG	-11.81	90.48	114.10
1	22	27	LYS	CA-CB-CG	-11.81	90.48	114.10
1	26	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	3E	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	3M	27	LYS	CA-CB-CG	-11.81	90.48	114.10
1	3Q	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	3U	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	3Y	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	36	27	LYS	CA-CB-CG	-11.81	90.48	114.10
1	4A	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	4I	27	LYS	CA-CB-CG	-11.81	90.48	114.10
1	4M	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	4Q	27	LYS	CA-CB-CG	-11.81	90.48	114.10
1	4U	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	5E	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	5I	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	5M	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	5Q	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	5Y	27	LYS	CA-CB-CG	-11.81	90.48	114.10
1	6E	27	LYS	CA-CB-CG	-11.81	90.48	114.10
1	6I	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	6Q	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	6Y	27	LYS	CA-CB-CG	-11.81	90.48	114.10
1	62	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	66	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	7A	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	7I	27	LYS	CA-CB-CG	-11.81	90.48	114.10
1	7M	27	LYS	CA-CB-CG	-11.81	90.49	114.10
1	7U	27	LYS	CA-CB-CG	-11.81	90.48	114.10
1	1M	27	LYS	CA-CB-CG	-11.80	90.49	114.10
1	2I	27	LYS	CA-CB-CG	-11.80	90.49	114.10
1	3A	27	LYS	CA-CB-CG	-11.80	90.49	114.10
1	3I	27	LYS	CA-CB-CG	-11.80	90.49	114.10
1	32	27	LYS	CA-CB-CG	-11.80	90.49	114.10
1	4E	27	LYS	CA-CB-CG	-11.80	90.49	114.10
1	4Y	27	LYS	CA-CB-CG	-11.80	90.49	114.10
1	5U	27	LYS	CA-CB-CG	-11.80	90.49	114.10
1	6M	27	LYS	CA-CB-CG	-11.80	90.49	114.10
1	6U	27	LYS	CA-CB-CG	-11.80	90.49	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	27	LYS	CA-CB-CG	-11.80	90.49	114.10
1	7Q	27	LYS	CA-CB-CG	-11.80	90.49	114.10
1	1Q	27	LYS	CA-CB-CG	-11.79	90.51	114.10
1	1U	27	LYS	CA-CB-CG	-11.79	90.51	114.10
1	1Y	27	LYS	CA-CB-CG	-11.79	90.51	114.10
1	2Q	27	LYS	CA-CB-CG	-11.79	90.51	114.10
1	2U	27	LYS	CA-CB-CG	-11.79	90.51	114.10
1	2Y	27	LYS	CA-CB-CG	-11.79	90.51	114.10
1	42	27	LYS	CA-CB-CG	-11.79	90.51	114.10
1	46	27	LYS	CA-CB-CG	-11.79	90.51	114.10
1	5A	27	LYS	CA-CB-CG	-11.79	90.51	114.10
1	52	27	LYS	CA-CB-CG	-11.79	90.51	114.10
1	56	27	LYS	CA-CB-CG	-11.79	90.51	114.10
1	6A	27	LYS	CA-CB-CG	-11.79	90.51	114.10
1	12	83	GLY	CA-C-N	-11.78	99.04	121.54
1	12	83	GLY	C-N-CA	-11.78	99.04	121.54
1	16	83	GLY	CA-C-N	-11.78	99.04	121.54
1	16	83	GLY	C-N-CA	-11.78	99.04	121.54
1	2A	83	GLY	CA-C-N	-11.78	99.04	121.54
1	2A	83	GLY	C-N-CA	-11.78	99.04	121.54
1	3Q	83	GLY	CA-C-N	-11.78	99.04	121.54
1	3Q	83	GLY	C-N-CA	-11.78	99.04	121.54
1	3U	83	GLY	CA-C-N	-11.78	99.04	121.54
1	3U	83	GLY	C-N-CA	-11.78	99.04	121.54
1	3Y	83	GLY	CA-C-N	-11.78	99.04	121.54
1	3Y	83	GLY	C-N-CA	-11.78	99.04	121.54
1	5E	83	GLY	CA-C-N	-11.78	99.04	121.54
1	5E	83	GLY	C-N-CA	-11.78	99.04	121.54
1	5I	83	GLY	CA-C-N	-11.78	99.04	121.54
1	5I	83	GLY	C-N-CA	-11.78	99.04	121.54
1	5M	83	GLY	CA-C-N	-11.78	99.04	121.54
1	5M	83	GLY	C-N-CA	-11.78	99.04	121.54
1	62	83	GLY	CA-C-N	-11.78	99.04	121.54
1	62	83	GLY	C-N-CA	-11.78	99.04	121.54
1	66	83	GLY	CA-C-N	-11.78	99.04	121.54
1	66	83	GLY	C-N-CA	-11.78	99.04	121.54
1	7A	83	GLY	CA-C-N	-11.78	99.04	121.54
1	7A	83	GLY	C-N-CA	-11.78	99.04	121.54
2	1R	53	LYS	CG-CD-CE	-11.77	84.22	111.30
2	1V	53	LYS	CG-CD-CE	-11.77	84.22	111.30
2	1Z	53	LYS	CG-CD-CE	-11.77	84.22	111.30
2	2R	53	LYS	CG-CD-CE	-11.77	84.22	111.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	53	LYS	CG-CD-CE	-11.77	84.22	111.30
2	2Z	53	LYS	CG-CD-CE	-11.77	84.22	111.30
2	43	53	LYS	CG-CD-CE	-11.77	84.22	111.30
2	47	53	LYS	CG-CD-CE	-11.77	84.22	111.30
2	5B	53	LYS	CG-CD-CE	-11.77	84.22	111.30
2	53	53	LYS	CG-CD-CE	-11.77	84.22	111.30
2	57	53	LYS	CG-CD-CE	-11.77	84.22	111.30
2	6B	53	LYS	CG-CD-CE	-11.77	84.22	111.30
2	1N	53	LYS	CG-CD-CE	-11.77	84.23	111.30
2	2J	53	LYS	CG-CD-CE	-11.77	84.23	111.30
2	3B	53	LYS	CG-CD-CE	-11.77	84.23	111.30
2	3J	53	LYS	CG-CD-CE	-11.77	84.23	111.30
2	33	53	LYS	CG-CD-CE	-11.77	84.23	111.30
2	4F	53	LYS	CG-CD-CE	-11.77	84.23	111.30
2	4Z	53	LYS	CG-CD-CE	-11.77	84.23	111.30
2	5V	53	LYS	CG-CD-CE	-11.77	84.23	111.30
2	6N	53	LYS	CG-CD-CE	-11.77	84.23	111.30
2	6V	53	LYS	CG-CD-CE	-11.77	84.23	111.30
2	7F	53	LYS	CG-CD-CE	-11.77	84.23	111.30
2	7R	53	LYS	CG-CD-CE	-11.77	84.23	111.30
2	1B	53	LYS	CG-CD-CE	-11.77	84.24	111.30
2	1J	53	LYS	CG-CD-CE	-11.77	84.24	111.30
2	2F	53	LYS	CG-CD-CE	-11.77	84.24	111.30
2	27	53	LYS	CG-CD-CE	-11.77	84.24	111.30
2	3F	53	LYS	CG-CD-CE	-11.77	84.24	111.30
2	4B	53	LYS	CG-CD-CE	-11.77	84.24	111.30
2	4N	53	LYS	CG-CD-CE	-11.77	84.24	111.30
2	4V	53	LYS	CG-CD-CE	-11.77	84.24	111.30
2	5R	53	LYS	CG-CD-CE	-11.77	84.24	111.30
2	6J	53	LYS	CG-CD-CE	-11.77	84.24	111.30
2	6R	53	LYS	CG-CD-CE	-11.77	84.24	111.30
2	7N	53	LYS	CG-CD-CE	-11.77	84.24	111.30
2	13	53	LYS	CG-CD-CE	-11.76	84.24	111.30
2	17	53	LYS	CG-CD-CE	-11.76	84.24	111.30
2	2B	53	LYS	CG-CD-CE	-11.76	84.24	111.30
2	3R	53	LYS	CG-CD-CE	-11.76	84.24	111.30
2	3V	53	LYS	CG-CD-CE	-11.76	84.24	111.30
2	3Z	53	LYS	CG-CD-CE	-11.76	84.24	111.30
2	5F	53	LYS	CG-CD-CE	-11.76	84.24	111.30
2	5J	53	LYS	CG-CD-CE	-11.76	84.24	111.30
2	5N	53	LYS	CG-CD-CE	-11.76	84.24	111.30
2	63	53	LYS	CG-CD-CE	-11.76	84.24	111.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	53	LYS	CG-CD-CE	-11.76	84.24	111.30
2	7B	53	LYS	CG-CD-CE	-11.76	84.24	111.30
2	1F	53	LYS	CG-CD-CE	-11.76	84.25	111.30
2	2N	53	LYS	CG-CD-CE	-11.76	84.25	111.30
2	23	53	LYS	CG-CD-CE	-11.76	84.25	111.30
2	3N	53	LYS	CG-CD-CE	-11.76	84.25	111.30
2	37	53	LYS	CG-CD-CE	-11.76	84.25	111.30
2	4J	53	LYS	CG-CD-CE	-11.76	84.25	111.30
2	4R	53	LYS	CG-CD-CE	-11.76	84.25	111.30
2	5Z	53	LYS	CG-CD-CE	-11.76	84.25	111.30
2	6F	53	LYS	CG-CD-CE	-11.76	84.25	111.30
2	6Z	53	LYS	CG-CD-CE	-11.76	84.25	111.30
2	7J	53	LYS	CG-CD-CE	-11.76	84.25	111.30
2	7V	53	LYS	CG-CD-CE	-11.76	84.25	111.30
1	1A	83	GLY	CA-C-N	-11.76	99.08	121.54
1	1A	83	GLY	C-N-CA	-11.76	99.08	121.54
1	1E	83	GLY	CA-C-N	-11.76	99.09	121.54
1	1E	83	GLY	C-N-CA	-11.76	99.09	121.54
1	1I	83	GLY	CA-C-N	-11.76	99.08	121.54
1	1I	83	GLY	C-N-CA	-11.76	99.08	121.54
1	12	9	PHE	CG-CD1-CE1	-11.76	100.71	120.70
1	16	9	PHE	CG-CD1-CE1	-11.76	100.71	120.70
1	2A	9	PHE	CG-CD1-CE1	-11.76	100.71	120.70
1	2E	83	GLY	CA-C-N	-11.76	99.08	121.54
1	2E	83	GLY	C-N-CA	-11.76	99.08	121.54
1	2M	83	GLY	CA-C-N	-11.76	99.09	121.54
1	2M	83	GLY	C-N-CA	-11.76	99.09	121.54
1	22	83	GLY	CA-C-N	-11.76	99.09	121.54
1	22	83	GLY	C-N-CA	-11.76	99.09	121.54
1	26	83	GLY	CA-C-N	-11.76	99.08	121.54
1	26	83	GLY	C-N-CA	-11.76	99.08	121.54
1	3E	83	GLY	CA-C-N	-11.76	99.08	121.54
1	3E	83	GLY	C-N-CA	-11.76	99.08	121.54
1	3M	83	GLY	CA-C-N	-11.76	99.09	121.54
1	3M	83	GLY	C-N-CA	-11.76	99.09	121.54
1	3Q	9	PHE	CG-CD1-CE1	-11.76	100.71	120.70
1	3U	9	PHE	CG-CD1-CE1	-11.76	100.71	120.70
1	3Y	9	PHE	CG-CD1-CE1	-11.76	100.71	120.70
1	36	83	GLY	CA-C-N	-11.76	99.09	121.54
1	36	83	GLY	C-N-CA	-11.76	99.09	121.54
1	4A	83	GLY	CA-C-N	-11.76	99.08	121.54
1	4A	83	GLY	C-N-CA	-11.76	99.08	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4I	83	GLY	CA-C-N	-11.76	99.09	121.54
1	4I	83	GLY	C-N-CA	-11.76	99.09	121.54
1	4M	83	GLY	CA-C-N	-11.76	99.08	121.54
1	4M	83	GLY	C-N-CA	-11.76	99.08	121.54
1	4Q	83	GLY	CA-C-N	-11.76	99.09	121.54
1	4Q	83	GLY	C-N-CA	-11.76	99.09	121.54
1	4U	83	GLY	CA-C-N	-11.76	99.08	121.54
1	4U	83	GLY	C-N-CA	-11.76	99.08	121.54
1	5E	9	PHE	CG-CD1-CE1	-11.76	100.71	120.70
1	5I	9	PHE	CG-CD1-CE1	-11.76	100.71	120.70
1	5M	9	PHE	CG-CD1-CE1	-11.76	100.71	120.70
1	5Q	83	GLY	CA-C-N	-11.76	99.08	121.54
1	5Q	83	GLY	C-N-CA	-11.76	99.08	121.54
1	5Y	83	GLY	CA-C-N	-11.76	99.09	121.54
1	5Y	83	GLY	C-N-CA	-11.76	99.09	121.54
1	6E	83	GLY	CA-C-N	-11.76	99.09	121.54
1	6E	83	GLY	C-N-CA	-11.76	99.09	121.54
1	6I	83	GLY	CA-C-N	-11.76	99.08	121.54
1	6I	83	GLY	C-N-CA	-11.76	99.08	121.54
1	6Q	83	GLY	CA-C-N	-11.76	99.08	121.54
1	6Q	83	GLY	C-N-CA	-11.76	99.08	121.54
1	6Y	83	GLY	CA-C-N	-11.76	99.09	121.54
1	6Y	83	GLY	C-N-CA	-11.76	99.09	121.54
1	62	9	PHE	CG-CD1-CE1	-11.76	100.71	120.70
1	66	9	PHE	CG-CD1-CE1	-11.76	100.71	120.70
1	7A	9	PHE	CG-CD1-CE1	-11.76	100.71	120.70
1	7I	83	GLY	CA-C-N	-11.76	99.09	121.54
1	7I	83	GLY	C-N-CA	-11.76	99.09	121.54
1	7M	83	GLY	CA-C-N	-11.76	99.08	121.54
1	7M	83	GLY	C-N-CA	-11.76	99.08	121.54
1	7U	83	GLY	CA-C-N	-11.76	99.09	121.54
1	7U	83	GLY	C-N-CA	-11.76	99.09	121.54
1	1M	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	3I	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	4E	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	6U	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	7Q	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	1A	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	1I	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	1M	83	GLY	CA-C-N	-11.75	99.09	121.54
1	1M	83	GLY	C-N-CA	-11.75	99.09	121.54
1	2I	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2E	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	2I	83	GLY	CA-C-N	-11.75	99.09	121.54
1	2I	83	GLY	C-N-CA	-11.75	99.09	121.54
1	3A	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	26	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	3A	83	GLY	CA-C-N	-11.75	99.09	121.54
1	3A	83	GLY	C-N-CA	-11.75	99.09	121.54
1	3E	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	3I	83	GLY	CA-C-N	-11.75	99.09	121.54
1	3I	83	GLY	C-N-CA	-11.75	99.09	121.54
1	32	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	32	83	GLY	CA-C-N	-11.75	99.09	121.54
1	32	83	GLY	C-N-CA	-11.75	99.09	121.54
1	4Y	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	5U	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	4A	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	4E	83	GLY	CA-C-N	-11.75	99.09	121.54
1	4E	83	GLY	C-N-CA	-11.75	99.09	121.54
1	6M	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	4M	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	4U	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	4Y	83	GLY	CA-C-N	-11.75	99.09	121.54
1	4Y	83	GLY	C-N-CA	-11.75	99.09	121.54
1	5Q	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	5U	83	GLY	CA-C-N	-11.75	99.09	121.54
1	5U	83	GLY	C-N-CA	-11.75	99.09	121.54
1	7E	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	6I	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	6M	83	GLY	CA-C-N	-11.75	99.09	121.54
1	6M	83	GLY	C-N-CA	-11.75	99.09	121.54
1	6Q	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	6U	83	GLY	CA-C-N	-11.75	99.09	121.54
1	6U	83	GLY	C-N-CA	-11.75	99.09	121.54
1	7E	83	GLY	CA-C-N	-11.75	99.09	121.54
1	7E	83	GLY	C-N-CA	-11.75	99.09	121.54
1	7M	9	PHE	CG-CD1-CE1	-11.75	100.72	120.70
1	7Q	83	GLY	CA-C-N	-11.75	99.09	121.54
1	7Q	83	GLY	C-N-CA	-11.75	99.09	121.54
1	1Q	83	GLY	CA-C-N	-11.75	99.10	121.54
1	1Q	83	GLY	C-N-CA	-11.75	99.10	121.54
1	1U	83	GLY	CA-C-N	-11.75	99.10	121.54
1	1U	83	GLY	C-N-CA	-11.75	99.10	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1Y	83	GLY	CA-C-N	-11.75	99.10	121.54
1	1Y	83	GLY	C-N-CA	-11.75	99.10	121.54
1	2Q	83	GLY	CA-C-N	-11.75	99.10	121.54
1	2Q	83	GLY	C-N-CA	-11.75	99.10	121.54
1	2U	83	GLY	CA-C-N	-11.75	99.10	121.54
1	2U	83	GLY	C-N-CA	-11.75	99.10	121.54
1	2Y	83	GLY	CA-C-N	-11.75	99.10	121.54
1	2Y	83	GLY	C-N-CA	-11.75	99.10	121.54
1	42	83	GLY	CA-C-N	-11.75	99.10	121.54
1	42	83	GLY	C-N-CA	-11.75	99.10	121.54
1	46	83	GLY	CA-C-N	-11.75	99.10	121.54
1	46	83	GLY	C-N-CA	-11.75	99.10	121.54
1	5A	83	GLY	CA-C-N	-11.75	99.10	121.54
1	5A	83	GLY	C-N-CA	-11.75	99.10	121.54
1	52	83	GLY	CA-C-N	-11.75	99.10	121.54
1	52	83	GLY	C-N-CA	-11.75	99.10	121.54
1	56	83	GLY	CA-C-N	-11.75	99.10	121.54
1	56	83	GLY	C-N-CA	-11.75	99.10	121.54
1	6A	83	GLY	CA-C-N	-11.75	99.10	121.54
1	6A	83	GLY	C-N-CA	-11.75	99.10	121.54
1	1Q	9	PHE	CG-CD1-CE1	-11.74	100.73	120.70
1	1U	9	PHE	CG-CD1-CE1	-11.74	100.73	120.70
1	1Y	9	PHE	CG-CD1-CE1	-11.74	100.73	120.70
1	2Q	9	PHE	CG-CD1-CE1	-11.74	100.73	120.70
1	2U	9	PHE	CG-CD1-CE1	-11.74	100.73	120.70
1	2Y	9	PHE	CG-CD1-CE1	-11.74	100.73	120.70
1	42	9	PHE	CG-CD1-CE1	-11.74	100.73	120.70
1	46	9	PHE	CG-CD1-CE1	-11.74	100.73	120.70
1	5A	9	PHE	CG-CD1-CE1	-11.74	100.73	120.70
1	52	9	PHE	CG-CD1-CE1	-11.74	100.73	120.70
1	56	9	PHE	CG-CD1-CE1	-11.74	100.73	120.70
1	6A	9	PHE	CG-CD1-CE1	-11.74	100.73	120.70
1	1E	9	PHE	CG-CD1-CE1	-11.74	100.74	120.70
1	2M	9	PHE	CG-CD1-CE1	-11.74	100.74	120.70
1	22	9	PHE	CG-CD1-CE1	-11.74	100.74	120.70
1	3M	9	PHE	CG-CD1-CE1	-11.74	100.74	120.70
1	36	9	PHE	CG-CD1-CE1	-11.74	100.74	120.70
1	4I	9	PHE	CG-CD1-CE1	-11.74	100.74	120.70
1	4Q	9	PHE	CG-CD1-CE1	-11.74	100.74	120.70
1	5Y	9	PHE	CG-CD1-CE1	-11.74	100.74	120.70
1	6E	9	PHE	CG-CD1-CE1	-11.74	100.74	120.70
1	6Y	9	PHE	CG-CD1-CE1	-11.74	100.74	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	9	PHE	CG-CD1-CE1	-11.74	100.74	120.70
1	7U	9	PHE	CG-CD1-CE1	-11.74	100.74	120.70
2	1F	68	PRO	CA-C-N	11.74	140.32	120.72
2	1F	68	PRO	C-N-CA	11.74	140.32	120.72
2	2N	68	PRO	CA-C-N	11.74	140.32	120.72
2	2N	68	PRO	C-N-CA	11.74	140.32	120.72
2	23	68	PRO	CA-C-N	11.74	140.32	120.72
2	23	68	PRO	C-N-CA	11.74	140.32	120.72
2	3N	68	PRO	CA-C-N	11.74	140.32	120.72
2	3N	68	PRO	C-N-CA	11.74	140.32	120.72
2	37	68	PRO	CA-C-N	11.74	140.32	120.72
2	37	68	PRO	C-N-CA	11.74	140.32	120.72
2	4J	68	PRO	CA-C-N	11.74	140.32	120.72
2	4J	68	PRO	C-N-CA	11.74	140.32	120.72
2	4R	68	PRO	CA-C-N	11.74	140.32	120.72
2	4R	68	PRO	C-N-CA	11.74	140.32	120.72
2	5Z	68	PRO	CA-C-N	11.74	140.32	120.72
2	5Z	68	PRO	C-N-CA	11.74	140.32	120.72
2	6F	68	PRO	CA-C-N	11.74	140.32	120.72
2	6F	68	PRO	C-N-CA	11.74	140.32	120.72
2	6Z	68	PRO	CA-C-N	11.74	140.32	120.72
2	6Z	68	PRO	C-N-CA	11.74	140.32	120.72
2	7J	68	PRO	CA-C-N	11.74	140.32	120.72
2	7J	68	PRO	C-N-CA	11.74	140.32	120.72
2	7V	68	PRO	CA-C-N	11.74	140.32	120.72
2	7V	68	PRO	C-N-CA	11.74	140.32	120.72
2	1B	68	PRO	CA-C-N	11.73	140.31	120.72
2	1B	68	PRO	C-N-CA	11.73	140.31	120.72
2	1J	68	PRO	CA-C-N	11.73	140.31	120.72
2	1J	68	PRO	C-N-CA	11.73	140.31	120.72
2	2F	68	PRO	CA-C-N	11.73	140.31	120.72
2	2F	68	PRO	C-N-CA	11.73	140.31	120.72
2	27	68	PRO	CA-C-N	11.73	140.31	120.72
2	27	68	PRO	C-N-CA	11.73	140.31	120.72
2	3F	68	PRO	CA-C-N	11.73	140.31	120.72
2	3F	68	PRO	C-N-CA	11.73	140.31	120.72
2	4B	68	PRO	CA-C-N	11.73	140.31	120.72
2	4B	68	PRO	C-N-CA	11.73	140.31	120.72
2	4N	68	PRO	CA-C-N	11.73	140.31	120.72
2	4N	68	PRO	C-N-CA	11.73	140.31	120.72
2	4V	68	PRO	CA-C-N	11.73	140.31	120.72
2	4V	68	PRO	C-N-CA	11.73	140.31	120.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5R	68	PRO	CA-C-N	11.73	140.31	120.72
2	5R	68	PRO	C-N-CA	11.73	140.31	120.72
2	6J	68	PRO	CA-C-N	11.73	140.31	120.72
2	6J	68	PRO	C-N-CA	11.73	140.31	120.72
2	6R	68	PRO	CA-C-N	11.73	140.31	120.72
2	6R	68	PRO	C-N-CA	11.73	140.31	120.72
2	7N	68	PRO	CA-C-N	11.73	140.31	120.72
2	7N	68	PRO	C-N-CA	11.73	140.31	120.72
2	13	68	PRO	CA-C-N	11.72	140.29	120.72
2	13	68	PRO	C-N-CA	11.72	140.29	120.72
2	17	68	PRO	CA-C-N	11.72	140.29	120.72
2	17	68	PRO	C-N-CA	11.72	140.29	120.72
2	2B	68	PRO	CA-C-N	11.72	140.29	120.72
2	2B	68	PRO	C-N-CA	11.72	140.29	120.72
2	3R	68	PRO	CA-C-N	11.72	140.29	120.72
2	3R	68	PRO	C-N-CA	11.72	140.29	120.72
2	3V	68	PRO	CA-C-N	11.72	140.29	120.72
2	3V	68	PRO	C-N-CA	11.72	140.29	120.72
2	3Z	68	PRO	CA-C-N	11.72	140.29	120.72
2	3Z	68	PRO	C-N-CA	11.72	140.29	120.72
2	5F	68	PRO	CA-C-N	11.72	140.29	120.72
2	5F	68	PRO	C-N-CA	11.72	140.29	120.72
2	5J	68	PRO	CA-C-N	11.72	140.29	120.72
2	5J	68	PRO	C-N-CA	11.72	140.29	120.72
2	5N	68	PRO	CA-C-N	11.72	140.29	120.72
2	5N	68	PRO	C-N-CA	11.72	140.29	120.72
2	63	68	PRO	CA-C-N	11.72	140.29	120.72
2	63	68	PRO	C-N-CA	11.72	140.29	120.72
2	67	68	PRO	CA-C-N	11.72	140.29	120.72
2	67	68	PRO	C-N-CA	11.72	140.29	120.72
2	7B	68	PRO	CA-C-N	11.72	140.29	120.72
2	7B	68	PRO	C-N-CA	11.72	140.29	120.72
2	1N	68	PRO	CA-C-N	11.72	140.29	120.72
2	1N	68	PRO	C-N-CA	11.72	140.29	120.72
2	2J	68	PRO	CA-C-N	11.72	140.29	120.72
2	2J	68	PRO	C-N-CA	11.72	140.29	120.72
2	3B	68	PRO	CA-C-N	11.72	140.29	120.72
2	3B	68	PRO	C-N-CA	11.72	140.29	120.72
2	3J	68	PRO	CA-C-N	11.72	140.29	120.72
2	3J	68	PRO	C-N-CA	11.72	140.29	120.72
2	33	68	PRO	CA-C-N	11.72	140.29	120.72
2	33	68	PRO	C-N-CA	11.72	140.29	120.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	68	PRO	CA-C-N	11.72	140.29	120.72
2	4F	68	PRO	C-N-CA	11.72	140.29	120.72
2	4Z	68	PRO	CA-C-N	11.72	140.29	120.72
2	4Z	68	PRO	C-N-CA	11.72	140.29	120.72
2	5V	68	PRO	CA-C-N	11.72	140.29	120.72
2	5V	68	PRO	C-N-CA	11.72	140.29	120.72
2	6N	68	PRO	CA-C-N	11.72	140.29	120.72
2	6N	68	PRO	C-N-CA	11.72	140.29	120.72
2	6V	68	PRO	CA-C-N	11.72	140.29	120.72
2	6V	68	PRO	C-N-CA	11.72	140.29	120.72
2	7F	68	PRO	CA-C-N	11.72	140.29	120.72
2	7F	68	PRO	C-N-CA	11.72	140.29	120.72
2	7R	68	PRO	CA-C-N	11.72	140.29	120.72
2	7R	68	PRO	C-N-CA	11.72	140.29	120.72
2	13	35	PHE	CD1-CE1-CZ	-11.70	98.95	120.00
2	17	35	PHE	CD1-CE1-CZ	-11.70	98.95	120.00
2	2B	35	PHE	CD1-CE1-CZ	-11.70	98.95	120.00
2	3R	35	PHE	CD1-CE1-CZ	-11.70	98.95	120.00
2	3V	35	PHE	CD1-CE1-CZ	-11.70	98.95	120.00
2	3Z	35	PHE	CD1-CE1-CZ	-11.70	98.95	120.00
2	5F	35	PHE	CD1-CE1-CZ	-11.70	98.95	120.00
2	5J	35	PHE	CD1-CE1-CZ	-11.70	98.95	120.00
2	5N	35	PHE	CD1-CE1-CZ	-11.70	98.95	120.00
2	63	35	PHE	CD1-CE1-CZ	-11.70	98.95	120.00
2	67	35	PHE	CD1-CE1-CZ	-11.70	98.95	120.00
2	7B	35	PHE	CD1-CE1-CZ	-11.70	98.95	120.00
2	1N	35	PHE	CD1-CE1-CZ	-11.69	98.95	120.00
2	1R	68	PRO	CA-C-N	11.69	140.25	120.72
2	1R	68	PRO	C-N-CA	11.69	140.25	120.72
2	1V	68	PRO	CA-C-N	11.69	140.25	120.72
2	1V	68	PRO	C-N-CA	11.69	140.25	120.72
2	1Z	68	PRO	CA-C-N	11.69	140.25	120.72
2	1Z	68	PRO	C-N-CA	11.69	140.25	120.72
2	2J	35	PHE	CD1-CE1-CZ	-11.69	98.95	120.00
2	2R	68	PRO	CA-C-N	11.69	140.25	120.72
2	2R	68	PRO	C-N-CA	11.69	140.25	120.72
2	2V	68	PRO	CA-C-N	11.69	140.25	120.72
2	2V	68	PRO	C-N-CA	11.69	140.25	120.72
2	2Z	68	PRO	CA-C-N	11.69	140.25	120.72
2	2Z	68	PRO	C-N-CA	11.69	140.25	120.72
2	3B	35	PHE	CD1-CE1-CZ	-11.69	98.95	120.00
2	3J	35	PHE	CD1-CE1-CZ	-11.69	98.95	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	35	PHE	CD1-CE1-CZ	-11.69	98.95	120.00
2	4F	35	PHE	CD1-CE1-CZ	-11.69	98.95	120.00
2	4Z	35	PHE	CD1-CE1-CZ	-11.69	98.95	120.00
2	43	68	PRO	CA-C-N	11.69	140.25	120.72
2	43	68	PRO	C-N-CA	11.69	140.25	120.72
2	47	68	PRO	CA-C-N	11.69	140.25	120.72
2	47	68	PRO	C-N-CA	11.69	140.25	120.72
2	5B	68	PRO	CA-C-N	11.69	140.25	120.72
2	5B	68	PRO	C-N-CA	11.69	140.25	120.72
2	5V	35	PHE	CD1-CE1-CZ	-11.69	98.95	120.00
2	53	68	PRO	CA-C-N	11.69	140.25	120.72
2	53	68	PRO	C-N-CA	11.69	140.25	120.72
2	57	68	PRO	CA-C-N	11.69	140.25	120.72
2	57	68	PRO	C-N-CA	11.69	140.25	120.72
2	6B	68	PRO	CA-C-N	11.69	140.25	120.72
2	6B	68	PRO	C-N-CA	11.69	140.25	120.72
2	6N	35	PHE	CD1-CE1-CZ	-11.69	98.95	120.00
2	6V	35	PHE	CD1-CE1-CZ	-11.69	98.95	120.00
2	7F	35	PHE	CD1-CE1-CZ	-11.69	98.95	120.00
2	7R	35	PHE	CD1-CE1-CZ	-11.69	98.95	120.00
2	1B	35	PHE	CD1-CE1-CZ	-11.69	98.96	120.00
1	1E	182	PHE	CA-CB-CG	-11.69	102.11	113.80
2	1F	221	ALA	N-CA-C	-11.69	93.03	108.34
2	1J	35	PHE	CD1-CE1-CZ	-11.69	98.96	120.00
2	1R	74	TYR	CA-CB-CG	-11.69	92.86	113.90
2	1V	74	TYR	CA-CB-CG	-11.69	92.86	113.90
2	1Z	74	TYR	CA-CB-CG	-11.69	92.86	113.90
2	2F	35	PHE	CD1-CE1-CZ	-11.69	98.96	120.00
1	2M	182	PHE	CA-CB-CG	-11.69	102.11	113.80
2	2N	221	ALA	N-CA-C	-11.69	93.03	108.34
2	2R	74	TYR	CA-CB-CG	-11.69	92.86	113.90
2	2V	74	TYR	CA-CB-CG	-11.69	92.86	113.90
2	2Z	74	TYR	CA-CB-CG	-11.69	92.86	113.90
1	22	182	PHE	CA-CB-CG	-11.69	102.11	113.80
2	23	221	ALA	N-CA-C	-11.69	93.03	108.34
2	27	35	PHE	CD1-CE1-CZ	-11.69	98.96	120.00
2	3F	35	PHE	CD1-CE1-CZ	-11.69	98.96	120.00
1	3M	182	PHE	CA-CB-CG	-11.69	102.11	113.80
2	3N	221	ALA	N-CA-C	-11.69	93.03	108.34
1	36	182	PHE	CA-CB-CG	-11.69	102.11	113.80
2	37	221	ALA	N-CA-C	-11.69	93.03	108.34
2	4B	35	PHE	CD1-CE1-CZ	-11.69	98.96	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4I	182	PHE	CA-CB-CG	-11.69	102.11	113.80
2	4J	221	ALA	N-CA-C	-11.69	93.03	108.34
2	4N	35	PHE	CD1-CE1-CZ	-11.69	98.96	120.00
1	4Q	182	PHE	CA-CB-CG	-11.69	102.11	113.80
2	4R	221	ALA	N-CA-C	-11.69	93.03	108.34
2	4V	35	PHE	CD1-CE1-CZ	-11.69	98.96	120.00
2	43	74	TYR	CA-CB-CG	-11.69	92.86	113.90
2	47	74	TYR	CA-CB-CG	-11.69	92.86	113.90
2	5B	74	TYR	CA-CB-CG	-11.69	92.86	113.90
2	5R	35	PHE	CD1-CE1-CZ	-11.69	98.96	120.00
1	5Y	182	PHE	CA-CB-CG	-11.69	102.11	113.80
2	5Z	221	ALA	N-CA-C	-11.69	93.03	108.34
2	53	74	TYR	CA-CB-CG	-11.69	92.86	113.90
2	57	74	TYR	CA-CB-CG	-11.69	92.86	113.90
2	6B	74	TYR	CA-CB-CG	-11.69	92.86	113.90
1	6E	182	PHE	CA-CB-CG	-11.69	102.11	113.80
2	6F	221	ALA	N-CA-C	-11.69	93.03	108.34
2	6J	35	PHE	CD1-CE1-CZ	-11.69	98.96	120.00
2	6R	35	PHE	CD1-CE1-CZ	-11.69	98.96	120.00
1	6Y	182	PHE	CA-CB-CG	-11.69	102.11	113.80
2	6Z	221	ALA	N-CA-C	-11.69	93.03	108.34
1	7I	182	PHE	CA-CB-CG	-11.69	102.11	113.80
2	7J	221	ALA	N-CA-C	-11.69	93.03	108.34
2	7N	35	PHE	CD1-CE1-CZ	-11.69	98.96	120.00
1	7U	182	PHE	CA-CB-CG	-11.69	102.11	113.80
2	7V	221	ALA	N-CA-C	-11.69	93.03	108.34
1	1M	21	ASN	CA-C-O	11.69	140.67	120.80
1	2I	21	ASN	CA-C-O	11.69	140.67	120.80
1	3A	21	ASN	CA-C-O	11.69	140.67	120.80
1	3I	21	ASN	CA-C-O	11.69	140.67	120.80
1	32	21	ASN	CA-C-O	11.69	140.67	120.80
1	4E	21	ASN	CA-C-O	11.69	140.67	120.80
1	4Y	21	ASN	CA-C-O	11.69	140.67	120.80
1	5U	21	ASN	CA-C-O	11.69	140.67	120.80
1	6M	21	ASN	CA-C-O	11.69	140.67	120.80
1	6U	21	ASN	CA-C-O	11.69	140.67	120.80
1	7E	21	ASN	CA-C-O	11.69	140.67	120.80
1	7Q	21	ASN	CA-C-O	11.69	140.67	120.80
1	1A	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	1I	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	2E	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	26	182	PHE	CA-CB-CG	-11.68	102.12	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	4A	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	4M	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	4U	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	5Q	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	6I	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	6Q	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	7M	182	PHE	CA-CB-CG	-11.68	102.12	113.80
2	1B	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	1B	221	ALA	N-CA-C	-11.68	93.04	108.34
2	1F	35	PHE	CD1-CE1-CZ	-11.68	98.97	120.00
2	1J	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	1J	221	ALA	N-CA-C	-11.68	93.04	108.34
2	1N	221	ALA	N-CA-C	-11.68	93.04	108.34
2	2F	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	2F	221	ALA	N-CA-C	-11.68	93.04	108.34
2	2J	221	ALA	N-CA-C	-11.68	93.04	108.34
2	2N	35	PHE	CD1-CE1-CZ	-11.68	98.97	120.00
2	23	35	PHE	CD1-CE1-CZ	-11.68	98.97	120.00
2	27	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	27	221	ALA	N-CA-C	-11.68	93.04	108.34
2	3B	221	ALA	N-CA-C	-11.68	93.04	108.34
2	3F	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	3F	221	ALA	N-CA-C	-11.68	93.04	108.34
2	3J	221	ALA	N-CA-C	-11.68	93.04	108.34
2	3N	35	PHE	CD1-CE1-CZ	-11.68	98.97	120.00
2	33	221	ALA	N-CA-C	-11.68	93.04	108.34
2	37	35	PHE	CD1-CE1-CZ	-11.68	98.97	120.00
2	4B	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	4B	221	ALA	N-CA-C	-11.68	93.04	108.34
2	4F	221	ALA	N-CA-C	-11.68	93.04	108.34
2	4J	35	PHE	CD1-CE1-CZ	-11.68	98.97	120.00
2	4N	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	4N	221	ALA	N-CA-C	-11.68	93.04	108.34
2	4R	35	PHE	CD1-CE1-CZ	-11.68	98.97	120.00
2	4V	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	4V	221	ALA	N-CA-C	-11.68	93.04	108.34
2	4Z	221	ALA	N-CA-C	-11.68	93.04	108.34
2	5R	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	5R	221	ALA	N-CA-C	-11.68	93.04	108.34
2	5V	221	ALA	N-CA-C	-11.68	93.04	108.34
2	5Z	35	PHE	CD1-CE1-CZ	-11.68	98.97	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	35	PHE	CD1-CE1-CZ	-11.68	98.97	120.00
2	6J	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	6J	221	ALA	N-CA-C	-11.68	93.04	108.34
2	6N	221	ALA	N-CA-C	-11.68	93.04	108.34
2	6R	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	6R	221	ALA	N-CA-C	-11.68	93.04	108.34
2	6V	221	ALA	N-CA-C	-11.68	93.04	108.34
2	6Z	35	PHE	CD1-CE1-CZ	-11.68	98.97	120.00
2	7F	221	ALA	N-CA-C	-11.68	93.04	108.34
2	7J	35	PHE	CD1-CE1-CZ	-11.68	98.97	120.00
2	7N	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	7N	221	ALA	N-CA-C	-11.68	93.04	108.34
2	7R	221	ALA	N-CA-C	-11.68	93.04	108.34
2	7V	35	PHE	CD1-CE1-CZ	-11.68	98.97	120.00
2	1F	74	TYR	CA-CB-CG	-11.68	92.88	113.90
1	1Q	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	1U	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	1Y	182	PHE	CA-CB-CG	-11.68	102.12	113.80
2	2N	74	TYR	CA-CB-CG	-11.68	92.88	113.90
1	2Q	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	2U	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	2Y	182	PHE	CA-CB-CG	-11.68	102.12	113.80
2	23	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	3N	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	37	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	4J	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	4R	74	TYR	CA-CB-CG	-11.68	92.88	113.90
1	42	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	46	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	5A	182	PHE	CA-CB-CG	-11.68	102.12	113.80
2	5Z	74	TYR	CA-CB-CG	-11.68	92.88	113.90
1	52	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	56	182	PHE	CA-CB-CG	-11.68	102.12	113.80
1	6A	182	PHE	CA-CB-CG	-11.68	102.12	113.80
2	6F	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	6Z	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	7J	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	7V	74	TYR	CA-CB-CG	-11.68	92.88	113.90
2	1R	35	PHE	CD1-CE1-CZ	-11.68	98.99	120.00
2	1V	35	PHE	CD1-CE1-CZ	-11.68	98.99	120.00
2	1Z	35	PHE	CD1-CE1-CZ	-11.68	98.99	120.00
2	2R	35	PHE	CD1-CE1-CZ	-11.68	98.99	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	35	PHE	CD1-CE1-CZ	-11.68	98.99	120.00
2	2Z	35	PHE	CD1-CE1-CZ	-11.68	98.99	120.00
2	43	35	PHE	CD1-CE1-CZ	-11.68	98.99	120.00
2	47	35	PHE	CD1-CE1-CZ	-11.68	98.99	120.00
2	5B	35	PHE	CD1-CE1-CZ	-11.68	98.99	120.00
2	53	35	PHE	CD1-CE1-CZ	-11.68	98.99	120.00
2	57	35	PHE	CD1-CE1-CZ	-11.68	98.99	120.00
2	6B	35	PHE	CD1-CE1-CZ	-11.68	98.99	120.00
1	1M	182	PHE	CA-CB-CG	-11.67	102.13	113.80
1	2I	182	PHE	CA-CB-CG	-11.67	102.13	113.80
1	3A	182	PHE	CA-CB-CG	-11.67	102.13	113.80
1	3I	182	PHE	CA-CB-CG	-11.67	102.13	113.80
1	32	182	PHE	CA-CB-CG	-11.67	102.13	113.80
1	4E	182	PHE	CA-CB-CG	-11.67	102.13	113.80
1	4Y	182	PHE	CA-CB-CG	-11.67	102.13	113.80
1	5U	182	PHE	CA-CB-CG	-11.67	102.13	113.80
1	6M	182	PHE	CA-CB-CG	-11.67	102.13	113.80
1	6U	182	PHE	CA-CB-CG	-11.67	102.13	113.80
1	7E	182	PHE	CA-CB-CG	-11.67	102.13	113.80
1	7Q	182	PHE	CA-CB-CG	-11.67	102.13	113.80
2	13	74	TYR	CA-CB-CG	-11.67	92.89	113.90
2	17	74	TYR	CA-CB-CG	-11.67	92.89	113.90
2	2B	74	TYR	CA-CB-CG	-11.67	92.89	113.90
2	3R	74	TYR	CA-CB-CG	-11.67	92.89	113.90
2	3V	74	TYR	CA-CB-CG	-11.67	92.89	113.90
2	3Z	74	TYR	CA-CB-CG	-11.67	92.89	113.90
2	5F	74	TYR	CA-CB-CG	-11.67	92.89	113.90
2	5J	74	TYR	CA-CB-CG	-11.67	92.89	113.90
2	5N	74	TYR	CA-CB-CG	-11.67	92.89	113.90
2	63	74	TYR	CA-CB-CG	-11.67	92.89	113.90
2	67	74	TYR	CA-CB-CG	-11.67	92.89	113.90
2	7B	74	TYR	CA-CB-CG	-11.67	92.89	113.90
2	1R	10	GLN	N-CA-CB	11.67	130.21	110.49
2	1V	10	GLN	N-CA-CB	11.67	130.21	110.49
2	1Z	10	GLN	N-CA-CB	11.67	130.21	110.49
2	2R	10	GLN	N-CA-CB	11.67	130.21	110.49
2	2V	10	GLN	N-CA-CB	11.67	130.21	110.49
2	2Z	10	GLN	N-CA-CB	11.67	130.21	110.49
2	43	10	GLN	N-CA-CB	11.67	130.21	110.49
2	47	10	GLN	N-CA-CB	11.67	130.21	110.49
2	5B	10	GLN	N-CA-CB	11.67	130.21	110.49
2	53	10	GLN	N-CA-CB	11.67	130.21	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	10	GLN	N-CA-CB	11.67	130.21	110.49
2	6B	10	GLN	N-CA-CB	11.67	130.21	110.49
1	1E	21	ASN	CA-C-O	11.66	140.63	120.80
2	1N	74	TYR	CA-CB-CG	-11.66	92.91	113.90
2	13	221	ALA	N-CA-C	-11.66	93.06	108.34
2	17	221	ALA	N-CA-C	-11.66	93.06	108.34
2	2B	221	ALA	N-CA-C	-11.66	93.06	108.34
1	2M	21	ASN	CA-C-O	11.66	140.63	120.80
2	3V	221	ALA	N-CA-C	-11.66	93.06	108.34
2	3Z	221	ALA	N-CA-C	-11.66	93.06	108.34
2	5F	221	ALA	N-CA-C	-11.66	93.06	108.34
2	5J	221	ALA	N-CA-C	-11.66	93.06	108.34
1	6Y	21	ASN	CA-C-O	11.66	140.63	120.80
1	12	182	PHE	CA-CB-CG	-11.66	102.14	113.80
1	16	182	PHE	CA-CB-CG	-11.66	102.14	113.80
1	2A	182	PHE	CA-CB-CG	-11.66	102.14	113.80
2	2J	74	TYR	CA-CB-CG	-11.66	92.91	113.90
1	22	21	ASN	CA-C-O	11.66	140.63	120.80
2	3B	74	TYR	CA-CB-CG	-11.66	92.91	113.90
2	3J	74	TYR	CA-CB-CG	-11.66	92.91	113.90
1	3M	21	ASN	CA-C-O	11.66	140.63	120.80
2	3R	221	ALA	N-CA-C	-11.66	93.06	108.34
1	36	21	ASN	CA-C-O	11.66	140.63	120.80
1	4I	21	ASN	CA-C-O	11.66	140.63	120.80
2	5N	221	ALA	N-CA-C	-11.66	93.06	108.34
1	6E	21	ASN	CA-C-O	11.66	140.63	120.80
2	67	221	ALA	N-CA-C	-11.66	93.06	108.34
2	7B	221	ALA	N-CA-C	-11.66	93.06	108.34
1	7U	21	ASN	CA-C-O	11.66	140.63	120.80
1	3Q	182	PHE	CA-CB-CG	-11.66	102.14	113.80
1	3U	182	PHE	CA-CB-CG	-11.66	102.14	113.80
1	3Y	182	PHE	CA-CB-CG	-11.66	102.14	113.80
2	33	74	TYR	CA-CB-CG	-11.66	92.91	113.90
2	4F	74	TYR	CA-CB-CG	-11.66	92.91	113.90
1	4Q	21	ASN	CA-C-O	11.66	140.63	120.80
2	4Z	74	TYR	CA-CB-CG	-11.66	92.91	113.90
1	5Y	21	ASN	CA-C-O	11.66	140.63	120.80
1	5E	182	PHE	CA-CB-CG	-11.66	102.14	113.80
1	5I	182	PHE	CA-CB-CG	-11.66	102.14	113.80
1	5M	182	PHE	CA-CB-CG	-11.66	102.14	113.80
2	5V	74	TYR	CA-CB-CG	-11.66	92.91	113.90
2	6N	74	TYR	CA-CB-CG	-11.66	92.91	113.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6V	74	TYR	CA-CB-CG	-11.66	92.91	113.90
2	63	221	ALA	N-CA-C	-11.66	93.06	108.34
1	7I	21	ASN	CA-C-O	11.66	140.63	120.80
1	62	182	PHE	CA-CB-CG	-11.66	102.14	113.80
1	66	182	PHE	CA-CB-CG	-11.66	102.14	113.80
1	7A	182	PHE	CA-CB-CG	-11.66	102.14	113.80
2	7F	74	TYR	CA-CB-CG	-11.66	92.91	113.90
2	7R	74	TYR	CA-CB-CG	-11.66	92.91	113.90
1	1Q	21	ASN	CA-C-O	11.66	140.62	120.80
2	1R	221	ALA	N-CA-C	-11.66	93.07	108.34
1	1U	21	ASN	CA-C-O	11.66	140.62	120.80
2	1V	221	ALA	N-CA-C	-11.66	93.07	108.34
1	1Y	21	ASN	CA-C-O	11.66	140.62	120.80
2	1Z	221	ALA	N-CA-C	-11.66	93.07	108.34
1	12	21	ASN	CA-C-O	11.66	140.62	120.80
1	16	21	ASN	CA-C-O	11.66	140.62	120.80
1	2A	21	ASN	CA-C-O	11.66	140.62	120.80
1	2Q	21	ASN	CA-C-O	11.66	140.62	120.80
2	2R	221	ALA	N-CA-C	-11.66	93.07	108.34
1	2U	21	ASN	CA-C-O	11.66	140.62	120.80
2	2V	221	ALA	N-CA-C	-11.66	93.07	108.34
1	2Y	21	ASN	CA-C-O	11.66	140.62	120.80
2	2Z	221	ALA	N-CA-C	-11.66	93.07	108.34
1	3Q	21	ASN	CA-C-O	11.66	140.62	120.80
1	3U	21	ASN	CA-C-O	11.66	140.62	120.80
1	3Y	21	ASN	CA-C-O	11.66	140.62	120.80
1	42	21	ASN	CA-C-O	11.66	140.62	120.80
2	43	221	ALA	N-CA-C	-11.66	93.07	108.34
1	46	21	ASN	CA-C-O	11.66	140.62	120.80
2	47	221	ALA	N-CA-C	-11.66	93.07	108.34
1	5A	21	ASN	CA-C-O	11.66	140.62	120.80
2	5B	221	ALA	N-CA-C	-11.66	93.07	108.34
1	5E	21	ASN	CA-C-O	11.66	140.62	120.80
1	5I	21	ASN	CA-C-O	11.66	140.62	120.80
1	5M	21	ASN	CA-C-O	11.66	140.62	120.80
1	52	21	ASN	CA-C-O	11.66	140.62	120.80
2	53	221	ALA	N-CA-C	-11.66	93.07	108.34
1	56	21	ASN	CA-C-O	11.66	140.62	120.80
2	57	221	ALA	N-CA-C	-11.66	93.07	108.34
1	6A	21	ASN	CA-C-O	11.66	140.62	120.80
2	6B	221	ALA	N-CA-C	-11.66	93.07	108.34
1	62	21	ASN	CA-C-O	11.66	140.62	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	21	ASN	CA-C-O	11.66	140.62	120.80
1	7A	21	ASN	CA-C-O	11.66	140.62	120.80
2	1F	10	GLN	N-CA-CB	11.65	130.18	110.49
2	2N	10	GLN	N-CA-CB	11.65	130.18	110.49
2	23	10	GLN	N-CA-CB	11.65	130.18	110.49
2	3N	10	GLN	N-CA-CB	11.65	130.18	110.49
2	37	10	GLN	N-CA-CB	11.65	130.18	110.49
2	4J	10	GLN	N-CA-CB	11.65	130.18	110.49
2	4R	10	GLN	N-CA-CB	11.65	130.18	110.49
2	5Z	10	GLN	N-CA-CB	11.65	130.18	110.49
2	6F	10	GLN	N-CA-CB	11.65	130.18	110.49
2	6Z	10	GLN	N-CA-CB	11.65	130.18	110.49
2	7J	10	GLN	N-CA-CB	11.65	130.18	110.49
2	7V	10	GLN	N-CA-CB	11.65	130.18	110.49
2	1B	10	GLN	N-CA-CB	11.65	130.18	110.49
2	1J	10	GLN	N-CA-CB	11.65	130.18	110.49
2	2F	10	GLN	N-CA-CB	11.65	130.18	110.49
2	27	10	GLN	N-CA-CB	11.65	130.18	110.49
2	3F	10	GLN	N-CA-CB	11.65	130.18	110.49
2	4B	10	GLN	N-CA-CB	11.65	130.18	110.49
2	4N	10	GLN	N-CA-CB	11.65	130.18	110.49
2	4V	10	GLN	N-CA-CB	11.65	130.18	110.49
2	5R	10	GLN	N-CA-CB	11.65	130.18	110.49
2	6J	10	GLN	N-CA-CB	11.65	130.18	110.49
2	6R	10	GLN	N-CA-CB	11.65	130.18	110.49
2	7N	10	GLN	N-CA-CB	11.65	130.18	110.49
2	1N	10	GLN	N-CA-CB	11.65	130.18	110.49
2	2J	10	GLN	N-CA-CB	11.65	130.18	110.49
2	3B	10	GLN	N-CA-CB	11.65	130.18	110.49
2	3J	10	GLN	N-CA-CB	11.65	130.18	110.49
2	33	10	GLN	N-CA-CB	11.65	130.18	110.49
2	4F	10	GLN	N-CA-CB	11.65	130.18	110.49
2	4Z	10	GLN	N-CA-CB	11.65	130.18	110.49
2	5V	10	GLN	N-CA-CB	11.65	130.18	110.49
2	6N	10	GLN	N-CA-CB	11.65	130.18	110.49
2	6V	10	GLN	N-CA-CB	11.65	130.18	110.49
2	7F	10	GLN	N-CA-CB	11.65	130.18	110.49
2	7R	10	GLN	N-CA-CB	11.65	130.18	110.49
2	13	10	GLN	N-CA-CB	11.64	130.17	110.49
2	17	10	GLN	N-CA-CB	11.64	130.17	110.49
2	2B	10	GLN	N-CA-CB	11.64	130.17	110.49
2	3R	10	GLN	N-CA-CB	11.64	130.17	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	10	GLN	N-CA-CB	11.64	130.17	110.49
2	3Z	10	GLN	N-CA-CB	11.64	130.17	110.49
2	5F	10	GLN	N-CA-CB	11.64	130.17	110.49
2	5J	10	GLN	N-CA-CB	11.64	130.17	110.49
2	5N	10	GLN	N-CA-CB	11.64	130.17	110.49
2	63	10	GLN	N-CA-CB	11.64	130.17	110.49
2	67	10	GLN	N-CA-CB	11.64	130.17	110.49
2	7B	10	GLN	N-CA-CB	11.64	130.17	110.49
2	1N	53	LYS	CA-C-N	-11.64	105.54	120.09
2	1N	53	LYS	C-N-CA	-11.64	105.54	120.09
2	2J	53	LYS	CA-C-N	-11.64	105.54	120.09
2	2J	53	LYS	C-N-CA	-11.64	105.54	120.09
2	3B	53	LYS	CA-C-N	-11.64	105.54	120.09
2	3B	53	LYS	C-N-CA	-11.64	105.54	120.09
2	3J	53	LYS	CA-C-N	-11.64	105.54	120.09
2	3J	53	LYS	C-N-CA	-11.64	105.54	120.09
2	33	53	LYS	CA-C-N	-11.64	105.54	120.09
2	33	53	LYS	C-N-CA	-11.64	105.54	120.09
2	4F	53	LYS	CA-C-N	-11.64	105.54	120.09
2	4F	53	LYS	C-N-CA	-11.64	105.54	120.09
2	4Z	53	LYS	CA-C-N	-11.64	105.54	120.09
2	4Z	53	LYS	C-N-CA	-11.64	105.54	120.09
2	5V	53	LYS	CA-C-N	-11.64	105.54	120.09
2	5V	53	LYS	C-N-CA	-11.64	105.54	120.09
2	6N	53	LYS	CA-C-N	-11.64	105.54	120.09
2	6N	53	LYS	C-N-CA	-11.64	105.54	120.09
2	6V	53	LYS	CA-C-N	-11.64	105.54	120.09
2	6V	53	LYS	C-N-CA	-11.64	105.54	120.09
2	7F	53	LYS	CA-C-N	-11.64	105.54	120.09
2	7F	53	LYS	C-N-CA	-11.64	105.54	120.09
2	7R	53	LYS	CA-C-N	-11.64	105.54	120.09
2	7R	53	LYS	C-N-CA	-11.64	105.54	120.09
1	1A	21	ASN	CA-C-O	11.64	140.59	120.80
1	1I	21	ASN	CA-C-O	11.64	140.59	120.80
1	2E	21	ASN	CA-C-O	11.64	140.59	120.80
1	26	21	ASN	CA-C-O	11.64	140.59	120.80
1	3E	21	ASN	CA-C-O	11.64	140.59	120.80
1	4A	21	ASN	CA-C-O	11.64	140.59	120.80
1	4M	21	ASN	CA-C-O	11.64	140.59	120.80
1	4U	21	ASN	CA-C-O	11.64	140.59	120.80
1	5Q	21	ASN	CA-C-O	11.64	140.59	120.80
1	6I	21	ASN	CA-C-O	11.64	140.59	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	21	ASN	CA-C-O	11.64	140.59	120.80
1	7M	21	ASN	CA-C-O	11.64	140.59	120.80
2	1F	227	TYR	CG-CD2-CE2	-11.63	103.76	121.20
2	2N	227	TYR	CG-CD2-CE2	-11.63	103.76	121.20
2	23	227	TYR	CG-CD2-CE2	-11.63	103.76	121.20
2	3N	227	TYR	CG-CD2-CE2	-11.63	103.76	121.20
2	37	227	TYR	CG-CD2-CE2	-11.63	103.76	121.20
2	4J	227	TYR	CG-CD2-CE2	-11.63	103.76	121.20
2	4R	227	TYR	CG-CD2-CE2	-11.63	103.76	121.20
2	5Z	227	TYR	CG-CD2-CE2	-11.63	103.76	121.20
2	6F	227	TYR	CG-CD2-CE2	-11.63	103.76	121.20
2	6Z	227	TYR	CG-CD2-CE2	-11.63	103.76	121.20
2	7J	227	TYR	CG-CD2-CE2	-11.63	103.76	121.20
2	7V	227	TYR	CG-CD2-CE2	-11.63	103.76	121.20
2	1F	53	LYS	CA-C-N	-11.63	105.56	120.09
2	1F	53	LYS	C-N-CA	-11.63	105.56	120.09
2	2N	53	LYS	CA-C-N	-11.63	105.56	120.09
2	2N	53	LYS	C-N-CA	-11.63	105.56	120.09
2	23	53	LYS	CA-C-N	-11.63	105.56	120.09
2	23	53	LYS	C-N-CA	-11.63	105.56	120.09
2	3N	53	LYS	CA-C-N	-11.63	105.56	120.09
2	3N	53	LYS	C-N-CA	-11.63	105.56	120.09
2	37	53	LYS	CA-C-N	-11.63	105.56	120.09
2	37	53	LYS	C-N-CA	-11.63	105.56	120.09
2	4J	53	LYS	CA-C-N	-11.63	105.56	120.09
2	4J	53	LYS	C-N-CA	-11.63	105.56	120.09
2	4R	53	LYS	CA-C-N	-11.63	105.56	120.09
2	4R	53	LYS	C-N-CA	-11.63	105.56	120.09
2	5Z	53	LYS	CA-C-N	-11.63	105.56	120.09
2	5Z	53	LYS	C-N-CA	-11.63	105.56	120.09
2	6F	53	LYS	CA-C-N	-11.63	105.56	120.09
2	6F	53	LYS	C-N-CA	-11.63	105.56	120.09
2	6Z	53	LYS	CA-C-N	-11.63	105.56	120.09
2	6Z	53	LYS	C-N-CA	-11.63	105.56	120.09
2	7J	53	LYS	CA-C-N	-11.63	105.56	120.09
2	7J	53	LYS	C-N-CA	-11.63	105.56	120.09
2	7V	53	LYS	CA-C-N	-11.63	105.56	120.09
2	7V	53	LYS	C-N-CA	-11.63	105.56	120.09
2	13	53	LYS	CA-C-N	-11.62	105.56	120.09
2	13	53	LYS	C-N-CA	-11.62	105.56	120.09
2	17	53	LYS	CA-C-N	-11.62	105.56	120.09
2	17	53	LYS	C-N-CA	-11.62	105.56	120.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	53	LYS	CA-C-N	-11.62	105.56	120.09
2	2B	53	LYS	C-N-CA	-11.62	105.56	120.09
2	3R	53	LYS	CA-C-N	-11.62	105.56	120.09
2	3R	53	LYS	C-N-CA	-11.62	105.56	120.09
2	3V	53	LYS	CA-C-N	-11.62	105.56	120.09
2	3V	53	LYS	C-N-CA	-11.62	105.56	120.09
2	3Z	53	LYS	CA-C-N	-11.62	105.56	120.09
2	3Z	53	LYS	C-N-CA	-11.62	105.56	120.09
2	5F	53	LYS	CA-C-N	-11.62	105.56	120.09
2	5F	53	LYS	C-N-CA	-11.62	105.56	120.09
2	5J	53	LYS	CA-C-N	-11.62	105.56	120.09
2	5J	53	LYS	C-N-CA	-11.62	105.56	120.09
2	5N	53	LYS	CA-C-N	-11.62	105.56	120.09
2	5N	53	LYS	C-N-CA	-11.62	105.56	120.09
2	63	53	LYS	CA-C-N	-11.62	105.56	120.09
2	63	53	LYS	C-N-CA	-11.62	105.56	120.09
2	67	53	LYS	CA-C-N	-11.62	105.56	120.09
2	67	53	LYS	C-N-CA	-11.62	105.56	120.09
2	7B	53	LYS	CA-C-N	-11.62	105.56	120.09
2	7B	53	LYS	C-N-CA	-11.62	105.56	120.09
2	1R	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	1V	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	1Z	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	2R	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	2V	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	2Z	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	43	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	47	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	5B	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	53	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	57	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	6B	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	13	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	17	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	2B	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	3R	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	3V	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	3Z	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	5F	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	5J	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	5N	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	63	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	7B	227	TYR	CG-CD2-CE2	-11.62	103.77	121.20
2	1B	53	LYS	CA-C-N	-11.61	105.58	120.09
2	1B	53	LYS	C-N-CA	-11.61	105.58	120.09
2	1J	53	LYS	CA-C-N	-11.61	105.58	120.09
2	1J	53	LYS	C-N-CA	-11.61	105.58	120.09
1	12	68	SER	CA-C-O	-11.61	108.11	121.58
1	16	68	SER	CA-C-O	-11.61	108.11	121.58
1	2A	68	SER	CA-C-O	-11.61	108.11	121.58
2	2F	53	LYS	CA-C-N	-11.61	105.58	120.09
2	2F	53	LYS	C-N-CA	-11.61	105.58	120.09
2	27	53	LYS	CA-C-N	-11.61	105.58	120.09
2	27	53	LYS	C-N-CA	-11.61	105.58	120.09
2	3F	53	LYS	CA-C-N	-11.61	105.58	120.09
2	3F	53	LYS	C-N-CA	-11.61	105.58	120.09
1	3Q	68	SER	CA-C-O	-11.61	108.11	121.58
1	3U	68	SER	CA-C-O	-11.61	108.11	121.58
1	3Y	68	SER	CA-C-O	-11.61	108.11	121.58
2	4B	53	LYS	CA-C-N	-11.61	105.58	120.09
2	4B	53	LYS	C-N-CA	-11.61	105.58	120.09
2	4N	53	LYS	CA-C-N	-11.61	105.58	120.09
2	4N	53	LYS	C-N-CA	-11.61	105.58	120.09
2	4V	53	LYS	CA-C-N	-11.61	105.58	120.09
2	4V	53	LYS	C-N-CA	-11.61	105.58	120.09
1	5E	68	SER	CA-C-O	-11.61	108.11	121.58
1	5I	68	SER	CA-C-O	-11.61	108.11	121.58
1	5M	68	SER	CA-C-O	-11.61	108.11	121.58
2	5R	53	LYS	CA-C-N	-11.61	105.58	120.09
2	5R	53	LYS	C-N-CA	-11.61	105.58	120.09
2	6J	53	LYS	CA-C-N	-11.61	105.58	120.09
2	6J	53	LYS	C-N-CA	-11.61	105.58	120.09
2	6R	53	LYS	CA-C-N	-11.61	105.58	120.09
2	6R	53	LYS	C-N-CA	-11.61	105.58	120.09
1	62	68	SER	CA-C-O	-11.61	108.11	121.58
1	66	68	SER	CA-C-O	-11.61	108.11	121.58
1	7A	68	SER	CA-C-O	-11.61	108.11	121.58
2	7N	53	LYS	CA-C-N	-11.61	105.58	120.09
2	7N	53	LYS	C-N-CA	-11.61	105.58	120.09
2	1R	53	LYS	CA-C-N	-11.61	105.58	120.09
2	1R	53	LYS	C-N-CA	-11.61	105.58	120.09
2	1R	74	TYR	CB-CA-C	11.61	132.66	109.68
2	1V	53	LYS	CA-C-N	-11.61	105.58	120.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1V	53	LYS	C-N-CA	-11.61	105.58	120.09
2	1V	74	TYR	CB-CA-C	11.61	132.66	109.68
2	1Z	53	LYS	CA-C-N	-11.61	105.58	120.09
2	1Z	53	LYS	C-N-CA	-11.61	105.58	120.09
2	1Z	74	TYR	CB-CA-C	11.61	132.66	109.68
1	12	24	VAL	N-CA-CB	-11.61	92.08	111.23
1	16	24	VAL	N-CA-CB	-11.61	92.08	111.23
1	2A	24	VAL	N-CA-CB	-11.61	92.08	111.23
2	2R	53	LYS	CA-C-N	-11.61	105.58	120.09
2	2R	53	LYS	C-N-CA	-11.61	105.58	120.09
2	2R	74	TYR	CB-CA-C	11.61	132.66	109.68
2	2V	53	LYS	CA-C-N	-11.61	105.58	120.09
2	2V	53	LYS	C-N-CA	-11.61	105.58	120.09
2	2V	74	TYR	CB-CA-C	11.61	132.66	109.68
2	2Z	53	LYS	CA-C-N	-11.61	105.58	120.09
2	2Z	53	LYS	C-N-CA	-11.61	105.58	120.09
2	2Z	74	TYR	CB-CA-C	11.61	132.66	109.68
1	3Q	24	VAL	N-CA-CB	-11.61	92.08	111.23
1	3U	24	VAL	N-CA-CB	-11.61	92.08	111.23
1	3Y	24	VAL	N-CA-CB	-11.61	92.08	111.23
2	43	53	LYS	CA-C-N	-11.61	105.58	120.09
2	43	53	LYS	C-N-CA	-11.61	105.58	120.09
2	43	74	TYR	CB-CA-C	11.61	132.66	109.68
2	47	53	LYS	CA-C-N	-11.61	105.58	120.09
2	47	53	LYS	C-N-CA	-11.61	105.58	120.09
2	47	74	TYR	CB-CA-C	11.61	132.66	109.68
2	5B	53	LYS	CA-C-N	-11.61	105.58	120.09
2	5B	53	LYS	C-N-CA	-11.61	105.58	120.09
2	5B	74	TYR	CB-CA-C	11.61	132.66	109.68
1	5E	24	VAL	N-CA-CB	-11.61	92.08	111.23
1	5I	24	VAL	N-CA-CB	-11.61	92.08	111.23
1	5M	24	VAL	N-CA-CB	-11.61	92.08	111.23
2	53	53	LYS	CA-C-N	-11.61	105.58	120.09
2	53	53	LYS	C-N-CA	-11.61	105.58	120.09
2	53	74	TYR	CB-CA-C	11.61	132.66	109.68
2	57	53	LYS	CA-C-N	-11.61	105.58	120.09
2	57	53	LYS	C-N-CA	-11.61	105.58	120.09
2	57	74	TYR	CB-CA-C	11.61	132.66	109.68
2	6B	53	LYS	CA-C-N	-11.61	105.58	120.09
2	6B	53	LYS	C-N-CA	-11.61	105.58	120.09
2	6B	74	TYR	CB-CA-C	11.61	132.66	109.68
1	62	24	VAL	N-CA-CB	-11.61	92.08	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	24	VAL	N-CA-CB	-11.61	92.08	111.23
1	7A	24	VAL	N-CA-CB	-11.61	92.08	111.23
1	1A	24	VAL	N-CA-CB	-11.60	92.09	111.23
2	1B	227	TYR	CG-CD2-CE2	-11.60	103.80	121.20
1	1E	24	VAL	N-CA-CB	-11.60	92.09	111.23
1	1I	24	VAL	N-CA-CB	-11.60	92.09	111.23
2	1J	227	TYR	CG-CD2-CE2	-11.60	103.80	121.20
1	2E	24	VAL	N-CA-CB	-11.60	92.09	111.23
2	2F	227	TYR	CG-CD2-CE2	-11.60	103.80	121.20
1	2M	24	VAL	N-CA-CB	-11.60	92.09	111.23
1	22	24	VAL	N-CA-CB	-11.60	92.09	111.23
1	26	24	VAL	N-CA-CB	-11.60	92.09	111.23
2	27	227	TYR	CG-CD2-CE2	-11.60	103.80	121.20
1	3E	24	VAL	N-CA-CB	-11.60	92.09	111.23
2	3F	227	TYR	CG-CD2-CE2	-11.60	103.80	121.20
1	3M	24	VAL	N-CA-CB	-11.60	92.09	111.23
1	36	24	VAL	N-CA-CB	-11.60	92.09	111.23
1	4A	24	VAL	N-CA-CB	-11.60	92.09	111.23
2	4B	227	TYR	CG-CD2-CE2	-11.60	103.80	121.20
1	4I	24	VAL	N-CA-CB	-11.60	92.09	111.23
1	4M	24	VAL	N-CA-CB	-11.60	92.09	111.23
2	4N	227	TYR	CG-CD2-CE2	-11.60	103.80	121.20
1	4Q	24	VAL	N-CA-CB	-11.60	92.09	111.23
1	4U	24	VAL	N-CA-CB	-11.60	92.09	111.23
2	4V	227	TYR	CG-CD2-CE2	-11.60	103.80	121.20
1	5Q	24	VAL	N-CA-CB	-11.60	92.09	111.23
2	5R	227	TYR	CG-CD2-CE2	-11.60	103.80	121.20
1	5Y	24	VAL	N-CA-CB	-11.60	92.09	111.23
1	6E	24	VAL	N-CA-CB	-11.60	92.09	111.23
1	6I	24	VAL	N-CA-CB	-11.60	92.09	111.23
2	6J	227	TYR	CG-CD2-CE2	-11.60	103.80	121.20
1	6Q	24	VAL	N-CA-CB	-11.60	92.09	111.23
2	6R	227	TYR	CG-CD2-CE2	-11.60	103.80	121.20
1	6Y	24	VAL	N-CA-CB	-11.60	92.09	111.23
1	7I	24	VAL	N-CA-CB	-11.60	92.09	111.23
1	7M	24	VAL	N-CA-CB	-11.60	92.09	111.23
2	7N	227	TYR	CG-CD2-CE2	-11.60	103.80	121.20
1	7U	24	VAL	N-CA-CB	-11.60	92.09	111.23
2	1F	74	TYR	CB-CA-C	11.60	132.64	109.68
2	2N	74	TYR	CB-CA-C	11.60	132.64	109.68
2	23	74	TYR	CB-CA-C	11.60	132.64	109.68
2	3N	74	TYR	CB-CA-C	11.60	132.64	109.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	74	TYR	CB-CA-C	11.60	132.64	109.68
2	4J	74	TYR	CB-CA-C	11.60	132.64	109.68
2	4R	74	TYR	CB-CA-C	11.60	132.64	109.68
2	5Z	74	TYR	CB-CA-C	11.60	132.64	109.68
2	6F	74	TYR	CB-CA-C	11.60	132.64	109.68
2	6Z	74	TYR	CB-CA-C	11.60	132.64	109.68
2	7J	74	TYR	CB-CA-C	11.60	132.64	109.68
2	7V	74	TYR	CB-CA-C	11.60	132.64	109.68
1	1M	24	VAL	N-CA-CB	-11.59	92.10	111.23
2	1N	227	TYR	CG-CD2-CE2	-11.59	103.81	121.20
1	2I	24	VAL	N-CA-CB	-11.59	92.10	111.23
2	2J	227	TYR	CG-CD2-CE2	-11.59	103.81	121.20
1	3A	24	VAL	N-CA-CB	-11.59	92.10	111.23
2	3B	227	TYR	CG-CD2-CE2	-11.59	103.81	121.20
1	3I	24	VAL	N-CA-CB	-11.59	92.10	111.23
2	3J	227	TYR	CG-CD2-CE2	-11.59	103.81	121.20
1	32	24	VAL	N-CA-CB	-11.59	92.10	111.23
2	33	227	TYR	CG-CD2-CE2	-11.59	103.81	121.20
1	4E	24	VAL	N-CA-CB	-11.59	92.10	111.23
2	4F	227	TYR	CG-CD2-CE2	-11.59	103.81	121.20
1	4Y	24	VAL	N-CA-CB	-11.59	92.10	111.23
2	4Z	227	TYR	CG-CD2-CE2	-11.59	103.81	121.20
1	5U	24	VAL	N-CA-CB	-11.59	92.10	111.23
2	5V	227	TYR	CG-CD2-CE2	-11.59	103.81	121.20
1	6M	24	VAL	N-CA-CB	-11.59	92.10	111.23
2	6N	227	TYR	CG-CD2-CE2	-11.59	103.81	121.20
1	6U	24	VAL	N-CA-CB	-11.59	92.10	111.23
2	6V	227	TYR	CG-CD2-CE2	-11.59	103.81	121.20
1	7E	24	VAL	N-CA-CB	-11.59	92.10	111.23
2	7F	227	TYR	CG-CD2-CE2	-11.59	103.81	121.20
1	7Q	24	VAL	N-CA-CB	-11.59	92.10	111.23
2	7R	227	TYR	CG-CD2-CE2	-11.59	103.81	121.20
2	1B	74	TYR	CB-CA-C	11.59	132.63	109.68
2	1J	74	TYR	CB-CA-C	11.59	132.63	109.68
1	1M	183	GLN	CG-CD-OE1	-11.59	97.62	120.80
2	2F	74	TYR	CB-CA-C	11.59	132.63	109.68
1	2I	183	GLN	CG-CD-OE1	-11.59	97.62	120.80
2	27	74	TYR	CB-CA-C	11.59	132.63	109.68
1	3A	183	GLN	CG-CD-OE1	-11.59	97.62	120.80
2	3F	74	TYR	CB-CA-C	11.59	132.63	109.68
1	3I	183	GLN	CG-CD-OE1	-11.59	97.62	120.80
1	32	183	GLN	CG-CD-OE1	-11.59	97.62	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	74	TYR	CB-CA-C	11.59	132.63	109.68
1	4E	183	GLN	CG-CD-OE1	-11.59	97.62	120.80
2	4N	74	TYR	CB-CA-C	11.59	132.63	109.68
2	4V	74	TYR	CB-CA-C	11.59	132.63	109.68
1	4Y	183	GLN	CG-CD-OE1	-11.59	97.62	120.80
2	5R	74	TYR	CB-CA-C	11.59	132.63	109.68
1	5U	183	GLN	CG-CD-OE1	-11.59	97.62	120.80
2	6J	74	TYR	CB-CA-C	11.59	132.63	109.68
1	6M	183	GLN	CG-CD-OE1	-11.59	97.62	120.80
2	6R	74	TYR	CB-CA-C	11.59	132.63	109.68
1	6U	183	GLN	CG-CD-OE1	-11.59	97.62	120.80
1	7E	183	GLN	CG-CD-OE1	-11.59	97.62	120.80
2	7N	74	TYR	CB-CA-C	11.59	132.63	109.68
1	7Q	183	GLN	CG-CD-OE1	-11.59	97.62	120.80
2	13	74	TYR	CB-CA-C	11.59	132.62	109.68
2	17	74	TYR	CB-CA-C	11.59	132.62	109.68
2	2B	74	TYR	CB-CA-C	11.59	132.62	109.68
2	3R	74	TYR	CB-CA-C	11.59	132.62	109.68
2	3V	74	TYR	CB-CA-C	11.59	132.62	109.68
2	3Z	74	TYR	CB-CA-C	11.59	132.62	109.68
2	5F	74	TYR	CB-CA-C	11.59	132.62	109.68
2	5J	74	TYR	CB-CA-C	11.59	132.62	109.68
2	5N	74	TYR	CB-CA-C	11.59	132.62	109.68
2	63	74	TYR	CB-CA-C	11.59	132.62	109.68
2	67	74	TYR	CB-CA-C	11.59	132.62	109.68
2	7B	74	TYR	CB-CA-C	11.59	132.62	109.68
1	1Q	24	VAL	N-CA-CB	-11.59	92.11	111.23
1	1U	24	VAL	N-CA-CB	-11.59	92.11	111.23
1	1Y	24	VAL	N-CA-CB	-11.59	92.11	111.23
1	2Q	24	VAL	N-CA-CB	-11.59	92.11	111.23
1	2U	24	VAL	N-CA-CB	-11.59	92.11	111.23
1	2Y	24	VAL	N-CA-CB	-11.59	92.11	111.23
1	42	24	VAL	N-CA-CB	-11.59	92.11	111.23
1	46	24	VAL	N-CA-CB	-11.59	92.11	111.23
1	5A	24	VAL	N-CA-CB	-11.59	92.11	111.23
1	52	24	VAL	N-CA-CB	-11.59	92.11	111.23
1	56	24	VAL	N-CA-CB	-11.59	92.11	111.23
1	6A	24	VAL	N-CA-CB	-11.59	92.11	111.23
1	1A	68	SER	CA-C-O	-11.58	108.14	121.58
1	1I	68	SER	CA-C-O	-11.58	108.14	121.58
1	1Q	68	SER	CA-C-O	-11.58	108.14	121.58
1	1U	68	SER	CA-C-O	-11.58	108.14	121.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1Y	68	SER	CA-C-O	-11.58	108.14	121.58
1	12	29	TYR	CD1-CE1-CZ	-11.58	98.75	119.60
1	16	29	TYR	CD1-CE1-CZ	-11.58	98.75	119.60
1	2A	29	TYR	CD1-CE1-CZ	-11.58	98.75	119.60
1	2E	68	SER	CA-C-O	-11.58	108.14	121.58
1	2Q	68	SER	CA-C-O	-11.58	108.14	121.58
1	2U	68	SER	CA-C-O	-11.58	108.14	121.58
1	2Y	68	SER	CA-C-O	-11.58	108.14	121.58
1	26	68	SER	CA-C-O	-11.58	108.14	121.58
1	3E	68	SER	CA-C-O	-11.58	108.14	121.58
1	3Q	29	TYR	CD1-CE1-CZ	-11.58	98.75	119.60
1	3U	29	TYR	CD1-CE1-CZ	-11.58	98.75	119.60
1	3Y	29	TYR	CD1-CE1-CZ	-11.58	98.75	119.60
1	4A	68	SER	CA-C-O	-11.58	108.14	121.58
1	4M	68	SER	CA-C-O	-11.58	108.14	121.58
1	4U	68	SER	CA-C-O	-11.58	108.14	121.58
1	42	68	SER	CA-C-O	-11.58	108.14	121.58
1	46	68	SER	CA-C-O	-11.58	108.14	121.58
1	5A	68	SER	CA-C-O	-11.58	108.14	121.58
1	5E	29	TYR	CD1-CE1-CZ	-11.58	98.75	119.60
1	5I	29	TYR	CD1-CE1-CZ	-11.58	98.75	119.60
1	5M	29	TYR	CD1-CE1-CZ	-11.58	98.75	119.60
1	5Q	68	SER	CA-C-O	-11.58	108.14	121.58
1	52	68	SER	CA-C-O	-11.58	108.14	121.58
1	56	68	SER	CA-C-O	-11.58	108.14	121.58
1	6A	68	SER	CA-C-O	-11.58	108.14	121.58
1	6I	68	SER	CA-C-O	-11.58	108.14	121.58
1	6Q	68	SER	CA-C-O	-11.58	108.14	121.58
1	62	29	TYR	CD1-CE1-CZ	-11.58	98.75	119.60
1	66	29	TYR	CD1-CE1-CZ	-11.58	98.75	119.60
1	7A	29	TYR	CD1-CE1-CZ	-11.58	98.75	119.60
1	7M	68	SER	CA-C-O	-11.58	108.14	121.58
1	1E	68	SER	CA-C-O	-11.58	108.15	121.58
2	1N	74	TYR	CB-CA-C	11.58	132.61	109.68
2	2J	74	TYR	CB-CA-C	11.58	132.61	109.68
1	2M	68	SER	CA-C-O	-11.58	108.15	121.58
1	22	68	SER	CA-C-O	-11.58	108.15	121.58
2	3B	74	TYR	CB-CA-C	11.58	132.61	109.68
2	3J	74	TYR	CB-CA-C	11.58	132.61	109.68
1	3M	68	SER	CA-C-O	-11.58	108.15	121.58
2	33	74	TYR	CB-CA-C	11.58	132.61	109.68
1	36	68	SER	CA-C-O	-11.58	108.15	121.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	74	TYR	CB-CA-C	11.58	132.61	109.68
1	4I	68	SER	CA-C-O	-11.58	108.15	121.58
1	4Q	68	SER	CA-C-O	-11.58	108.15	121.58
2	4Z	74	TYR	CB-CA-C	11.58	132.61	109.68
2	5V	74	TYR	CB-CA-C	11.58	132.61	109.68
1	5Y	68	SER	CA-C-O	-11.58	108.15	121.58
1	6E	68	SER	CA-C-O	-11.58	108.15	121.58
2	6N	74	TYR	CB-CA-C	11.58	132.61	109.68
2	6V	74	TYR	CB-CA-C	11.58	132.61	109.68
1	6Y	68	SER	CA-C-O	-11.58	108.15	121.58
2	7F	74	TYR	CB-CA-C	11.58	132.61	109.68
1	7I	68	SER	CA-C-O	-11.58	108.15	121.58
2	7R	74	TYR	CB-CA-C	11.58	132.61	109.68
1	7U	68	SER	CA-C-O	-11.58	108.15	121.58
1	1M	29	TYR	CD1-CE1-CZ	-11.58	98.76	119.60
1	2I	29	TYR	CD1-CE1-CZ	-11.58	98.76	119.60
1	3A	29	TYR	CD1-CE1-CZ	-11.58	98.76	119.60
1	3I	29	TYR	CD1-CE1-CZ	-11.58	98.76	119.60
1	32	29	TYR	CD1-CE1-CZ	-11.58	98.76	119.60
1	4E	29	TYR	CD1-CE1-CZ	-11.58	98.76	119.60
1	4Y	29	TYR	CD1-CE1-CZ	-11.58	98.76	119.60
1	5U	29	TYR	CD1-CE1-CZ	-11.58	98.76	119.60
1	6M	29	TYR	CD1-CE1-CZ	-11.58	98.76	119.60
1	6U	29	TYR	CD1-CE1-CZ	-11.58	98.76	119.60
1	7E	29	TYR	CD1-CE1-CZ	-11.58	98.76	119.60
1	7Q	29	TYR	CD1-CE1-CZ	-11.58	98.76	119.60
1	1A	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	1I	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	1Q	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	1U	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	1Y	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	2Q	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	2U	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	2Y	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	46	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	5A	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	52	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	12	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	16	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	2A	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	2E	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	26	183	GLN	CG-CD-OE1	-11.57	97.65	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	42	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	3Q	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	3U	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	3Y	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	4A	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	4M	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	4U	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	56	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	6A	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	5E	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	5I	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	5M	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	5Q	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	6I	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	6Q	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	62	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	66	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	7A	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	7M	183	GLN	CG-CD-OE1	-11.57	97.65	120.80
1	1E	29	TYR	CD1-CE1-CZ	-11.57	98.77	119.60
1	2M	29	TYR	CD1-CE1-CZ	-11.57	98.77	119.60
1	22	29	TYR	CD1-CE1-CZ	-11.57	98.77	119.60
1	3M	29	TYR	CD1-CE1-CZ	-11.57	98.77	119.60
1	36	29	TYR	CD1-CE1-CZ	-11.57	98.77	119.60
1	4I	29	TYR	CD1-CE1-CZ	-11.57	98.77	119.60
1	4Q	29	TYR	CD1-CE1-CZ	-11.57	98.77	119.60
1	5Y	29	TYR	CD1-CE1-CZ	-11.57	98.77	119.60
1	6E	29	TYR	CD1-CE1-CZ	-11.57	98.77	119.60
1	6Y	29	TYR	CD1-CE1-CZ	-11.57	98.77	119.60
1	7I	29	TYR	CD1-CE1-CZ	-11.57	98.77	119.60
1	7U	29	TYR	CD1-CE1-CZ	-11.57	98.77	119.60
1	1Q	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	1U	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	1Y	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	12	78	SER	N-CA-CB	-11.57	93.03	111.43
1	16	78	SER	N-CA-CB	-11.57	93.03	111.43
1	2A	78	SER	N-CA-CB	-11.57	93.03	111.43
1	2Q	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	2U	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	2Y	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	3Q	78	SER	N-CA-CB	-11.57	93.03	111.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	78	SER	N-CA-CB	-11.57	93.03	111.43
1	3Y	78	SER	N-CA-CB	-11.57	93.03	111.43
1	42	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	46	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	5A	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	5E	78	SER	N-CA-CB	-11.57	93.03	111.43
1	5I	78	SER	N-CA-CB	-11.57	93.03	111.43
1	5M	78	SER	N-CA-CB	-11.57	93.03	111.43
1	52	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	56	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	6A	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	62	78	SER	N-CA-CB	-11.57	93.03	111.43
1	66	78	SER	N-CA-CB	-11.57	93.03	111.43
1	7A	78	SER	N-CA-CB	-11.57	93.03	111.43
1	1A	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	1I	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	2E	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	26	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	3E	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	4A	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	4M	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	4U	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	5Q	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	6I	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	6Q	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	7M	29	TYR	CD1-CE1-CZ	-11.57	98.78	119.60
1	1Q	78	SER	N-CA-CB	-11.56	93.04	111.43
1	1U	78	SER	N-CA-CB	-11.56	93.04	111.43
1	1Y	78	SER	N-CA-CB	-11.56	93.04	111.43
1	2Q	78	SER	N-CA-CB	-11.56	93.04	111.43
1	2U	78	SER	N-CA-CB	-11.56	93.04	111.43
1	2Y	78	SER	N-CA-CB	-11.56	93.04	111.43
1	42	78	SER	N-CA-CB	-11.56	93.04	111.43
1	46	78	SER	N-CA-CB	-11.56	93.04	111.43
1	5A	78	SER	N-CA-CB	-11.56	93.04	111.43
1	52	78	SER	N-CA-CB	-11.56	93.04	111.43
1	56	78	SER	N-CA-CB	-11.56	93.04	111.43
1	6A	78	SER	N-CA-CB	-11.56	93.04	111.43
1	1A	78	SER	N-CA-CB	-11.56	93.05	111.43
1	1E	78	SER	N-CA-CB	-11.56	93.05	111.43
1	1E	183	GLN	CG-CD-OE1	-11.56	97.67	120.80
1	1I	78	SER	N-CA-CB	-11.56	93.05	111.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2E	78	SER	N-CA-CB	-11.56	93.05	111.43
1	2M	78	SER	N-CA-CB	-11.56	93.05	111.43
1	2M	183	GLN	CG-CD-OE1	-11.56	97.67	120.80
1	22	78	SER	N-CA-CB	-11.56	93.05	111.43
1	22	183	GLN	CG-CD-OE1	-11.56	97.67	120.80
1	26	78	SER	N-CA-CB	-11.56	93.05	111.43
1	3E	78	SER	N-CA-CB	-11.56	93.05	111.43
1	3M	78	SER	N-CA-CB	-11.56	93.05	111.43
1	3M	183	GLN	CG-CD-OE1	-11.56	97.67	120.80
1	36	78	SER	N-CA-CB	-11.56	93.05	111.43
1	36	183	GLN	CG-CD-OE1	-11.56	97.67	120.80
1	4A	78	SER	N-CA-CB	-11.56	93.05	111.43
1	4I	78	SER	N-CA-CB	-11.56	93.05	111.43
1	4I	183	GLN	CG-CD-OE1	-11.56	97.67	120.80
1	4M	78	SER	N-CA-CB	-11.56	93.05	111.43
1	4Q	78	SER	N-CA-CB	-11.56	93.05	111.43
1	4Q	183	GLN	CG-CD-OE1	-11.56	97.67	120.80
1	4U	78	SER	N-CA-CB	-11.56	93.05	111.43
1	5Q	78	SER	N-CA-CB	-11.56	93.05	111.43
1	5Y	78	SER	N-CA-CB	-11.56	93.05	111.43
1	5Y	183	GLN	CG-CD-OE1	-11.56	97.67	120.80
1	6E	78	SER	N-CA-CB	-11.56	93.05	111.43
1	6E	183	GLN	CG-CD-OE1	-11.56	97.67	120.80
1	6I	78	SER	N-CA-CB	-11.56	93.05	111.43
1	6Q	78	SER	N-CA-CB	-11.56	93.05	111.43
1	6Y	78	SER	N-CA-CB	-11.56	93.05	111.43
1	6Y	183	GLN	CG-CD-OE1	-11.56	97.67	120.80
1	7I	78	SER	N-CA-CB	-11.56	93.05	111.43
1	7I	183	GLN	CG-CD-OE1	-11.56	97.67	120.80
1	7M	78	SER	N-CA-CB	-11.56	93.05	111.43
1	7U	78	SER	N-CA-CB	-11.56	93.05	111.43
1	7U	183	GLN	CG-CD-OE1	-11.56	97.67	120.80
1	1M	78	SER	N-CA-CB	-11.56	93.05	111.43
1	2I	78	SER	N-CA-CB	-11.56	93.05	111.43
1	3A	78	SER	N-CA-CB	-11.56	93.05	111.43
1	3I	78	SER	N-CA-CB	-11.56	93.05	111.43
1	32	78	SER	N-CA-CB	-11.56	93.05	111.43
1	4E	78	SER	N-CA-CB	-11.56	93.05	111.43
1	4Y	78	SER	N-CA-CB	-11.56	93.05	111.43
1	5U	78	SER	N-CA-CB	-11.56	93.05	111.43
1	6M	78	SER	N-CA-CB	-11.56	93.05	111.43
1	6U	78	SER	N-CA-CB	-11.56	93.05	111.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	78	SER	N-CA-CB	-11.56	93.05	111.43
1	7Q	78	SER	N-CA-CB	-11.56	93.05	111.43
1	1M	68	SER	CA-C-O	-11.54	108.19	121.58
2	1R	29	MET	O-C-N	-11.54	108.05	121.32
2	1V	29	MET	O-C-N	-11.54	108.05	121.32
2	1Z	29	MET	O-C-N	-11.54	108.05	121.32
1	2I	68	SER	CA-C-O	-11.54	108.19	121.58
2	2R	29	MET	O-C-N	-11.54	108.05	121.32
2	2V	29	MET	O-C-N	-11.54	108.05	121.32
2	2Z	29	MET	O-C-N	-11.54	108.05	121.32
1	3A	68	SER	CA-C-O	-11.54	108.19	121.58
1	3I	68	SER	CA-C-O	-11.54	108.19	121.58
1	32	68	SER	CA-C-O	-11.54	108.19	121.58
1	4E	68	SER	CA-C-O	-11.54	108.19	121.58
1	4Y	68	SER	CA-C-O	-11.54	108.19	121.58
2	43	29	MET	O-C-N	-11.54	108.05	121.32
2	47	29	MET	O-C-N	-11.54	108.05	121.32
2	5B	29	MET	O-C-N	-11.54	108.05	121.32
1	5U	68	SER	CA-C-O	-11.54	108.19	121.58
2	53	29	MET	O-C-N	-11.54	108.05	121.32
2	57	29	MET	O-C-N	-11.54	108.05	121.32
2	6B	29	MET	O-C-N	-11.54	108.05	121.32
1	6M	68	SER	CA-C-O	-11.54	108.19	121.58
1	6U	68	SER	CA-C-O	-11.54	108.19	121.58
1	7E	68	SER	CA-C-O	-11.54	108.19	121.58
1	7Q	68	SER	CA-C-O	-11.54	108.19	121.58
2	1R	42	HIS	ND1-CG-CD2	-11.54	94.56	106.10
2	1R	53	LYS	CA-C-O	-11.54	105.92	120.00
2	1V	42	HIS	ND1-CG-CD2	-11.54	94.56	106.10
2	1V	53	LYS	CA-C-O	-11.54	105.92	120.00
2	1Z	42	HIS	ND1-CG-CD2	-11.54	94.56	106.10
2	1Z	53	LYS	CA-C-O	-11.54	105.92	120.00
2	2R	42	HIS	ND1-CG-CD2	-11.54	94.56	106.10
2	2R	53	LYS	CA-C-O	-11.54	105.92	120.00
2	2V	42	HIS	ND1-CG-CD2	-11.54	94.56	106.10
2	2V	53	LYS	CA-C-O	-11.54	105.92	120.00
2	2Z	42	HIS	ND1-CG-CD2	-11.54	94.56	106.10
2	2Z	53	LYS	CA-C-O	-11.54	105.92	120.00
2	43	42	HIS	ND1-CG-CD2	-11.54	94.56	106.10
2	43	53	LYS	CA-C-O	-11.54	105.92	120.00
2	47	42	HIS	ND1-CG-CD2	-11.54	94.56	106.10
2	47	53	LYS	CA-C-O	-11.54	105.92	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5B	42	HIS	ND1-CG-CD2	-11.54	94.56	106.10
2	5B	53	LYS	CA-C-O	-11.54	105.92	120.00
2	53	42	HIS	ND1-CG-CD2	-11.54	94.56	106.10
2	53	53	LYS	CA-C-O	-11.54	105.92	120.00
2	57	42	HIS	ND1-CG-CD2	-11.54	94.56	106.10
2	57	53	LYS	CA-C-O	-11.54	105.92	120.00
2	6B	42	HIS	ND1-CG-CD2	-11.54	94.56	106.10
2	6B	53	LYS	CA-C-O	-11.54	105.92	120.00
2	1F	53	LYS	CA-C-O	-11.54	105.93	120.00
2	1N	42	HIS	ND1-CG-CD2	-11.53	94.57	106.10
2	13	53	LYS	CA-C-O	-11.54	105.93	120.00
2	17	53	LYS	CA-C-O	-11.54	105.93	120.00
2	2B	53	LYS	CA-C-O	-11.54	105.93	120.00
2	2J	42	HIS	ND1-CG-CD2	-11.53	94.57	106.10
2	2N	53	LYS	CA-C-O	-11.54	105.93	120.00
2	23	53	LYS	CA-C-O	-11.54	105.93	120.00
2	3B	42	HIS	ND1-CG-CD2	-11.53	94.57	106.10
2	3J	42	HIS	ND1-CG-CD2	-11.53	94.57	106.10
2	3N	53	LYS	CA-C-O	-11.54	105.93	120.00
2	3R	53	LYS	CA-C-O	-11.54	105.93	120.00
2	3V	53	LYS	CA-C-O	-11.54	105.93	120.00
2	3Z	53	LYS	CA-C-O	-11.54	105.93	120.00
2	33	42	HIS	ND1-CG-CD2	-11.53	94.57	106.10
2	37	53	LYS	CA-C-O	-11.54	105.93	120.00
2	4F	42	HIS	ND1-CG-CD2	-11.53	94.57	106.10
2	4J	53	LYS	CA-C-O	-11.54	105.93	120.00
2	4R	53	LYS	CA-C-O	-11.54	105.93	120.00
2	4Z	42	HIS	ND1-CG-CD2	-11.53	94.57	106.10
2	5F	53	LYS	CA-C-O	-11.54	105.93	120.00
2	5J	53	LYS	CA-C-O	-11.54	105.93	120.00
2	5N	53	LYS	CA-C-O	-11.54	105.93	120.00
2	5V	42	HIS	ND1-CG-CD2	-11.53	94.57	106.10
2	5Z	53	LYS	CA-C-O	-11.54	105.93	120.00
2	6F	53	LYS	CA-C-O	-11.54	105.93	120.00
2	6N	42	HIS	ND1-CG-CD2	-11.53	94.57	106.10
2	6V	42	HIS	ND1-CG-CD2	-11.53	94.57	106.10
2	6Z	53	LYS	CA-C-O	-11.54	105.93	120.00
2	63	53	LYS	CA-C-O	-11.54	105.93	120.00
2	67	53	LYS	CA-C-O	-11.54	105.93	120.00
2	7B	53	LYS	CA-C-O	-11.54	105.93	120.00
2	7F	42	HIS	ND1-CG-CD2	-11.53	94.57	106.10
2	7J	53	LYS	CA-C-O	-11.54	105.93	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	42	HIS	ND1-CG-CD2	-11.53	94.57	106.10
2	7V	53	LYS	CA-C-O	-11.54	105.93	120.00
2	1R	131	PRO	CB-CA-C	-11.53	102.18	111.87
2	1V	131	PRO	CB-CA-C	-11.53	102.18	111.87
2	1Z	131	PRO	CB-CA-C	-11.53	102.18	111.87
2	2R	131	PRO	CB-CA-C	-11.53	102.18	111.87
2	2V	131	PRO	CB-CA-C	-11.53	102.18	111.87
2	2Z	131	PRO	CB-CA-C	-11.53	102.18	111.87
2	43	131	PRO	CB-CA-C	-11.53	102.18	111.87
2	47	131	PRO	CB-CA-C	-11.53	102.18	111.87
2	5B	131	PRO	CB-CA-C	-11.53	102.18	111.87
2	53	131	PRO	CB-CA-C	-11.53	102.18	111.87
2	57	131	PRO	CB-CA-C	-11.53	102.18	111.87
2	6B	131	PRO	CB-CA-C	-11.53	102.18	111.87
2	1B	29	MET	O-C-N	-11.53	108.06	121.32
2	1J	29	MET	O-C-N	-11.53	108.06	121.32
2	2F	29	MET	O-C-N	-11.53	108.06	121.32
2	27	29	MET	O-C-N	-11.53	108.06	121.32
2	3F	29	MET	O-C-N	-11.53	108.06	121.32
2	4B	29	MET	O-C-N	-11.53	108.06	121.32
2	4N	29	MET	O-C-N	-11.53	108.06	121.32
2	4V	29	MET	O-C-N	-11.53	108.06	121.32
2	5R	29	MET	O-C-N	-11.53	108.06	121.32
2	6J	29	MET	O-C-N	-11.53	108.06	121.32
2	6R	29	MET	O-C-N	-11.53	108.06	121.32
2	7N	29	MET	O-C-N	-11.53	108.06	121.32
2	1F	42	HIS	ND1-CG-CD2	-11.52	94.58	106.10
2	2N	42	HIS	ND1-CG-CD2	-11.52	94.58	106.10
2	23	42	HIS	ND1-CG-CD2	-11.52	94.58	106.10
2	3N	42	HIS	ND1-CG-CD2	-11.52	94.58	106.10
2	37	42	HIS	ND1-CG-CD2	-11.52	94.58	106.10
2	4J	42	HIS	ND1-CG-CD2	-11.52	94.58	106.10
2	4R	42	HIS	ND1-CG-CD2	-11.52	94.58	106.10
2	5Z	42	HIS	ND1-CG-CD2	-11.52	94.58	106.10
2	6F	42	HIS	ND1-CG-CD2	-11.52	94.58	106.10
2	6Z	42	HIS	ND1-CG-CD2	-11.52	94.58	106.10
2	7J	42	HIS	ND1-CG-CD2	-11.52	94.58	106.10
2	7V	42	HIS	ND1-CG-CD2	-11.52	94.58	106.10
2	1B	53	LYS	CA-C-O	-11.52	105.94	120.00
2	1J	53	LYS	CA-C-O	-11.52	105.94	120.00
2	2F	53	LYS	CA-C-O	-11.52	105.94	120.00
2	27	53	LYS	CA-C-O	-11.52	105.94	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	53	LYS	CA-C-O	-11.52	105.94	120.00
2	4B	53	LYS	CA-C-O	-11.52	105.94	120.00
2	4N	53	LYS	CA-C-O	-11.52	105.94	120.00
2	4V	53	LYS	CA-C-O	-11.52	105.94	120.00
2	5R	53	LYS	CA-C-O	-11.52	105.94	120.00
2	6J	53	LYS	CA-C-O	-11.52	105.94	120.00
2	6R	53	LYS	CA-C-O	-11.52	105.94	120.00
2	7N	53	LYS	CA-C-O	-11.52	105.94	120.00
2	1N	29	MET	O-C-N	-11.52	108.07	121.32
2	2J	29	MET	O-C-N	-11.52	108.07	121.32
2	3B	29	MET	O-C-N	-11.52	108.07	121.32
2	3J	29	MET	O-C-N	-11.52	108.07	121.32
2	33	29	MET	O-C-N	-11.52	108.07	121.32
2	4F	29	MET	O-C-N	-11.52	108.07	121.32
2	4Z	29	MET	O-C-N	-11.52	108.07	121.32
2	5V	29	MET	O-C-N	-11.52	108.07	121.32
2	6N	29	MET	O-C-N	-11.52	108.07	121.32
2	6V	29	MET	O-C-N	-11.52	108.07	121.32
2	7F	29	MET	O-C-N	-11.52	108.07	121.32
2	7R	29	MET	O-C-N	-11.52	108.07	121.32
2	13	29	MET	O-C-N	-11.51	108.08	121.32
2	17	29	MET	O-C-N	-11.51	108.08	121.32
2	2B	29	MET	O-C-N	-11.51	108.08	121.32
2	3R	29	MET	O-C-N	-11.51	108.08	121.32
2	3V	29	MET	O-C-N	-11.51	108.08	121.32
2	3Z	29	MET	O-C-N	-11.51	108.08	121.32
2	5F	29	MET	O-C-N	-11.51	108.08	121.32
2	5J	29	MET	O-C-N	-11.51	108.08	121.32
2	5N	29	MET	O-C-N	-11.51	108.08	121.32
2	63	29	MET	O-C-N	-11.51	108.08	121.32
2	67	29	MET	O-C-N	-11.51	108.08	121.32
2	7B	29	MET	O-C-N	-11.51	108.08	121.32
2	1N	53	LYS	CA-C-O	-11.51	105.96	120.00
2	2J	53	LYS	CA-C-O	-11.51	105.96	120.00
2	3B	53	LYS	CA-C-O	-11.51	105.96	120.00
2	3J	53	LYS	CA-C-O	-11.51	105.96	120.00
2	33	53	LYS	CA-C-O	-11.51	105.96	120.00
2	4F	53	LYS	CA-C-O	-11.51	105.96	120.00
2	4Z	53	LYS	CA-C-O	-11.51	105.96	120.00
2	5V	53	LYS	CA-C-O	-11.51	105.96	120.00
2	6N	53	LYS	CA-C-O	-11.51	105.96	120.00
2	6V	53	LYS	CA-C-O	-11.51	105.96	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	53	LYS	CA-C-O	-11.51	105.96	120.00
2	7R	53	LYS	CA-C-O	-11.51	105.96	120.00
1	12	15	SER	N-CA-CB	11.49	128.07	110.60
1	16	15	SER	N-CA-CB	11.49	128.07	110.60
1	2A	15	SER	N-CA-CB	11.49	128.07	110.60
1	3Q	15	SER	N-CA-CB	11.49	128.07	110.60
1	3U	15	SER	N-CA-CB	11.49	128.07	110.60
1	3Y	15	SER	N-CA-CB	11.49	128.07	110.60
1	5E	15	SER	N-CA-CB	11.49	128.07	110.60
1	5I	15	SER	N-CA-CB	11.49	128.07	110.60
1	5M	15	SER	N-CA-CB	11.49	128.07	110.60
1	62	15	SER	N-CA-CB	11.49	128.07	110.60
1	66	15	SER	N-CA-CB	11.49	128.07	110.60
1	7A	15	SER	N-CA-CB	11.49	128.07	110.60
1	1Q	15	SER	N-CA-CB	11.49	128.06	110.60
1	1U	15	SER	N-CA-CB	11.49	128.06	110.60
1	1Y	15	SER	N-CA-CB	11.49	128.06	110.60
1	2Q	15	SER	N-CA-CB	11.49	128.06	110.60
1	2U	15	SER	N-CA-CB	11.49	128.06	110.60
1	2Y	15	SER	N-CA-CB	11.49	128.06	110.60
1	42	15	SER	N-CA-CB	11.49	128.06	110.60
1	46	15	SER	N-CA-CB	11.49	128.06	110.60
1	5A	15	SER	N-CA-CB	11.49	128.06	110.60
1	52	15	SER	N-CA-CB	11.49	128.06	110.60
1	56	15	SER	N-CA-CB	11.49	128.06	110.60
1	6A	15	SER	N-CA-CB	11.49	128.06	110.60
2	1B	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	1J	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	1N	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	27	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	1N	224	VAL	CB-CA-C	-11.49	97.32	110.41
2	13	224	VAL	CB-CA-C	-11.49	97.31	110.41
2	17	224	VAL	CB-CA-C	-11.49	97.31	110.41
2	2B	224	VAL	CB-CA-C	-11.49	97.31	110.41
2	2F	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	2J	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	3F	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	4B	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	4N	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	2J	224	VAL	CB-CA-C	-11.49	97.32	110.41
2	3B	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	3B	224	VAL	CB-CA-C	-11.49	97.32	110.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3J	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	3J	224	VAL	CB-CA-C	-11.49	97.32	110.41
2	3R	224	VAL	CB-CA-C	-11.49	97.31	110.41
2	3V	224	VAL	CB-CA-C	-11.49	97.31	110.41
2	3Z	224	VAL	CB-CA-C	-11.49	97.31	110.41
2	33	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	4V	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	5R	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	6R	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	33	224	VAL	CB-CA-C	-11.49	97.32	110.41
2	4F	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	4F	224	VAL	CB-CA-C	-11.49	97.32	110.41
2	4Z	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	4Z	224	VAL	CB-CA-C	-11.49	97.32	110.41
2	5F	224	VAL	CB-CA-C	-11.49	97.31	110.41
2	5J	224	VAL	CB-CA-C	-11.49	97.31	110.41
2	5N	224	VAL	CB-CA-C	-11.49	97.31	110.41
2	5V	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	6J	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	7N	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	5V	224	VAL	CB-CA-C	-11.49	97.32	110.41
2	6N	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	6N	224	VAL	CB-CA-C	-11.49	97.32	110.41
2	6V	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	6V	224	VAL	CB-CA-C	-11.49	97.32	110.41
2	63	224	VAL	CB-CA-C	-11.49	97.31	110.41
2	67	224	VAL	CB-CA-C	-11.49	97.31	110.41
2	7B	224	VAL	CB-CA-C	-11.49	97.31	110.41
2	7F	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	7F	224	VAL	CB-CA-C	-11.49	97.32	110.41
2	7R	131	PRO	CB-CA-C	-11.49	102.22	111.87
2	7R	224	VAL	CB-CA-C	-11.49	97.32	110.41
2	1B	42	HIS	ND1-CG-CD2	-11.48	94.61	106.10
2	1F	131	PRO	CB-CA-C	-11.48	102.22	111.87
2	1J	42	HIS	ND1-CG-CD2	-11.48	94.61	106.10
2	2F	42	HIS	ND1-CG-CD2	-11.48	94.61	106.10
2	2N	131	PRO	CB-CA-C	-11.48	102.22	111.87
2	23	131	PRO	CB-CA-C	-11.48	102.22	111.87
2	27	42	HIS	ND1-CG-CD2	-11.48	94.61	106.10
2	3F	42	HIS	ND1-CG-CD2	-11.48	94.61	106.10
2	3N	131	PRO	CB-CA-C	-11.48	102.22	111.87
2	37	131	PRO	CB-CA-C	-11.48	102.22	111.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	42	HIS	ND1-CG-CD2	-11.48	94.61	106.10
2	4J	131	PRO	CB-CA-C	-11.48	102.22	111.87
2	4N	42	HIS	ND1-CG-CD2	-11.48	94.61	106.10
2	4R	131	PRO	CB-CA-C	-11.48	102.22	111.87
2	4V	42	HIS	ND1-CG-CD2	-11.48	94.61	106.10
2	5R	42	HIS	ND1-CG-CD2	-11.48	94.61	106.10
2	5Z	131	PRO	CB-CA-C	-11.48	102.22	111.87
2	6F	131	PRO	CB-CA-C	-11.48	102.22	111.87
2	6J	42	HIS	ND1-CG-CD2	-11.48	94.61	106.10
2	6R	42	HIS	ND1-CG-CD2	-11.48	94.61	106.10
2	6Z	131	PRO	CB-CA-C	-11.48	102.22	111.87
2	7J	131	PRO	CB-CA-C	-11.48	102.22	111.87
2	7N	42	HIS	ND1-CG-CD2	-11.48	94.61	106.10
2	7V	131	PRO	CB-CA-C	-11.48	102.22	111.87
2	13	42	HIS	ND1-CG-CD2	-11.48	94.62	106.10
2	17	42	HIS	ND1-CG-CD2	-11.48	94.62	106.10
2	2B	42	HIS	ND1-CG-CD2	-11.48	94.62	106.10
2	3R	42	HIS	ND1-CG-CD2	-11.48	94.62	106.10
2	3V	42	HIS	ND1-CG-CD2	-11.48	94.62	106.10
2	3Z	42	HIS	ND1-CG-CD2	-11.48	94.62	106.10
2	5F	42	HIS	ND1-CG-CD2	-11.48	94.62	106.10
2	5J	42	HIS	ND1-CG-CD2	-11.48	94.62	106.10
2	5N	42	HIS	ND1-CG-CD2	-11.48	94.62	106.10
2	63	42	HIS	ND1-CG-CD2	-11.48	94.62	106.10
2	67	42	HIS	ND1-CG-CD2	-11.48	94.62	106.10
2	7B	42	HIS	ND1-CG-CD2	-11.48	94.62	106.10
2	1F	29	MET	O-C-N	-11.48	108.12	121.32
2	2N	29	MET	O-C-N	-11.48	108.12	121.32
2	23	29	MET	O-C-N	-11.48	108.12	121.32
2	3N	29	MET	O-C-N	-11.48	108.12	121.32
2	37	29	MET	O-C-N	-11.48	108.12	121.32
2	4J	29	MET	O-C-N	-11.48	108.12	121.32
2	4R	29	MET	O-C-N	-11.48	108.12	121.32
2	5Z	29	MET	O-C-N	-11.48	108.12	121.32
2	6F	29	MET	O-C-N	-11.48	108.12	121.32
2	6Z	29	MET	O-C-N	-11.48	108.12	121.32
2	7J	29	MET	O-C-N	-11.48	108.12	121.32
2	7V	29	MET	O-C-N	-11.48	108.12	121.32
2	13	131	PRO	CB-CA-C	-11.48	102.23	111.87
2	17	131	PRO	CB-CA-C	-11.48	102.23	111.87
2	2B	131	PRO	CB-CA-C	-11.48	102.23	111.87
2	3R	131	PRO	CB-CA-C	-11.48	102.23	111.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	131	PRO	CB-CA-C	-11.48	102.23	111.87
2	3Z	131	PRO	CB-CA-C	-11.48	102.23	111.87
2	5F	131	PRO	CB-CA-C	-11.48	102.23	111.87
2	5J	131	PRO	CB-CA-C	-11.48	102.23	111.87
2	5N	131	PRO	CB-CA-C	-11.48	102.23	111.87
2	63	131	PRO	CB-CA-C	-11.48	102.23	111.87
2	67	131	PRO	CB-CA-C	-11.48	102.23	111.87
2	7B	131	PRO	CB-CA-C	-11.48	102.23	111.87
1	1A	15	SER	N-CA-CB	11.47	128.03	110.60
2	1B	224	VAL	CB-CA-C	-11.47	97.33	110.41
1	1E	15	SER	N-CA-CB	11.47	128.03	110.60
1	1I	15	SER	N-CA-CB	11.47	128.03	110.60
2	1J	224	VAL	CB-CA-C	-11.47	97.33	110.41
1	2E	15	SER	N-CA-CB	11.47	128.03	110.60
2	2F	224	VAL	CB-CA-C	-11.47	97.33	110.41
1	2M	15	SER	N-CA-CB	11.47	128.03	110.60
1	22	15	SER	N-CA-CB	11.47	128.03	110.60
1	26	15	SER	N-CA-CB	11.47	128.03	110.60
2	27	224	VAL	CB-CA-C	-11.47	97.33	110.41
1	3E	15	SER	N-CA-CB	11.47	128.03	110.60
2	3F	224	VAL	CB-CA-C	-11.47	97.33	110.41
1	3M	15	SER	N-CA-CB	11.47	128.03	110.60
1	36	15	SER	N-CA-CB	11.47	128.03	110.60
1	4A	15	SER	N-CA-CB	11.47	128.03	110.60
2	4B	224	VAL	CB-CA-C	-11.47	97.33	110.41
1	4I	15	SER	N-CA-CB	11.47	128.03	110.60
1	4M	15	SER	N-CA-CB	11.47	128.03	110.60
2	4N	224	VAL	CB-CA-C	-11.47	97.33	110.41
1	4Q	15	SER	N-CA-CB	11.47	128.03	110.60
1	4U	15	SER	N-CA-CB	11.47	128.03	110.60
2	4V	224	VAL	CB-CA-C	-11.47	97.33	110.41
1	5Q	15	SER	N-CA-CB	11.47	128.03	110.60
2	5R	224	VAL	CB-CA-C	-11.47	97.33	110.41
1	5Y	15	SER	N-CA-CB	11.47	128.03	110.60
1	6E	15	SER	N-CA-CB	11.47	128.03	110.60
1	6I	15	SER	N-CA-CB	11.47	128.03	110.60
2	6J	224	VAL	CB-CA-C	-11.47	97.33	110.41
1	6Q	15	SER	N-CA-CB	11.47	128.03	110.60
2	6R	224	VAL	CB-CA-C	-11.47	97.33	110.41
1	6Y	15	SER	N-CA-CB	11.47	128.03	110.60
1	7I	15	SER	N-CA-CB	11.47	128.03	110.60
1	7M	15	SER	N-CA-CB	11.47	128.03	110.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	224	VAL	CB-CA-C	-11.47	97.33	110.41
1	7U	15	SER	N-CA-CB	11.47	128.03	110.60
2	1F	224	VAL	CB-CA-C	-11.46	97.34	110.41
1	1M	15	SER	N-CA-CB	11.46	128.03	110.60
1	1M	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
1	2I	15	SER	N-CA-CB	11.46	128.03	110.60
1	2I	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
2	2N	224	VAL	CB-CA-C	-11.46	97.34	110.41
2	23	224	VAL	CB-CA-C	-11.46	97.34	110.41
1	3A	15	SER	N-CA-CB	11.46	128.03	110.60
1	3A	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
1	3I	15	SER	N-CA-CB	11.46	128.03	110.60
1	3I	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
2	3N	224	VAL	CB-CA-C	-11.46	97.34	110.41
1	32	15	SER	N-CA-CB	11.46	128.03	110.60
1	32	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
2	37	224	VAL	CB-CA-C	-11.46	97.34	110.41
1	4E	15	SER	N-CA-CB	11.46	128.03	110.60
1	4E	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
2	4J	224	VAL	CB-CA-C	-11.46	97.34	110.41
2	4R	224	VAL	CB-CA-C	-11.46	97.34	110.41
1	4Y	15	SER	N-CA-CB	11.46	128.03	110.60
1	4Y	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
1	5U	15	SER	N-CA-CB	11.46	128.03	110.60
1	5U	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
2	5Z	224	VAL	CB-CA-C	-11.46	97.34	110.41
2	6F	224	VAL	CB-CA-C	-11.46	97.34	110.41
1	6M	15	SER	N-CA-CB	11.46	128.03	110.60
1	6M	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
1	6U	15	SER	N-CA-CB	11.46	128.03	110.60
1	6U	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
2	6Z	224	VAL	CB-CA-C	-11.46	97.34	110.41
1	7E	15	SER	N-CA-CB	11.46	128.03	110.60
1	7E	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
2	7J	224	VAL	CB-CA-C	-11.46	97.34	110.41
1	7Q	15	SER	N-CA-CB	11.46	128.03	110.60
1	7Q	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
2	7V	224	VAL	CB-CA-C	-11.46	97.34	110.41
1	1E	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
2	1R	224	VAL	CB-CA-C	-11.46	97.34	110.41
2	1V	224	VAL	CB-CA-C	-11.46	97.34	110.41
2	1Z	224	VAL	CB-CA-C	-11.46	97.34	110.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
2	2R	224	VAL	CB-CA-C	-11.46	97.34	110.41
2	2V	224	VAL	CB-CA-C	-11.46	97.34	110.41
2	2Z	224	VAL	CB-CA-C	-11.46	97.34	110.41
1	22	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
1	3M	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
1	36	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
1	4I	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
1	4Q	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
2	43	224	VAL	CB-CA-C	-11.46	97.34	110.41
2	47	224	VAL	CB-CA-C	-11.46	97.34	110.41
2	5B	224	VAL	CB-CA-C	-11.46	97.34	110.41
1	5Y	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
2	53	224	VAL	CB-CA-C	-11.46	97.34	110.41
2	57	224	VAL	CB-CA-C	-11.46	97.34	110.41
2	6B	224	VAL	CB-CA-C	-11.46	97.34	110.41
1	6E	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
1	6Y	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
1	7I	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
1	7U	22	HIS	CG-ND1-CE1	-11.46	89.81	109.30
1	1Q	22	HIS	CG-ND1-CE1	-11.45	89.83	109.30
1	1U	22	HIS	CG-ND1-CE1	-11.45	89.83	109.30
1	1Y	22	HIS	CG-ND1-CE1	-11.45	89.83	109.30
1	2Q	22	HIS	CG-ND1-CE1	-11.45	89.83	109.30
1	2U	22	HIS	CG-ND1-CE1	-11.45	89.83	109.30
1	2Y	22	HIS	CG-ND1-CE1	-11.45	89.83	109.30
1	42	22	HIS	CG-ND1-CE1	-11.45	89.83	109.30
1	46	22	HIS	CG-ND1-CE1	-11.45	89.83	109.30
1	5A	22	HIS	CG-ND1-CE1	-11.45	89.83	109.30
1	52	22	HIS	CG-ND1-CE1	-11.45	89.83	109.30
1	56	22	HIS	CG-ND1-CE1	-11.45	89.83	109.30
1	6A	22	HIS	CG-ND1-CE1	-11.45	89.83	109.30
1	1A	22	HIS	CG-ND1-CE1	-11.45	89.84	109.30
1	1I	22	HIS	CG-ND1-CE1	-11.45	89.84	109.30
1	2E	22	HIS	CG-ND1-CE1	-11.45	89.84	109.30
1	26	22	HIS	CG-ND1-CE1	-11.45	89.84	109.30
1	3E	22	HIS	CG-ND1-CE1	-11.45	89.84	109.30
1	4A	22	HIS	CG-ND1-CE1	-11.45	89.84	109.30
1	4M	22	HIS	CG-ND1-CE1	-11.45	89.84	109.30
1	4U	22	HIS	CG-ND1-CE1	-11.45	89.84	109.30
1	5Q	22	HIS	CG-ND1-CE1	-11.45	89.84	109.30
1	6I	22	HIS	CG-ND1-CE1	-11.45	89.84	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	22	HIS	CG-ND1-CE1	-11.45	89.84	109.30
1	7M	22	HIS	CG-ND1-CE1	-11.45	89.84	109.30
1	12	22	HIS	CG-ND1-CE1	-11.44	89.85	109.30
1	16	22	HIS	CG-ND1-CE1	-11.44	89.85	109.30
1	2A	22	HIS	CG-ND1-CE1	-11.44	89.85	109.30
1	3Q	22	HIS	CG-ND1-CE1	-11.44	89.85	109.30
1	3U	22	HIS	CG-ND1-CE1	-11.44	89.85	109.30
1	3Y	22	HIS	CG-ND1-CE1	-11.44	89.85	109.30
1	5E	22	HIS	CG-ND1-CE1	-11.44	89.85	109.30
1	5I	22	HIS	CG-ND1-CE1	-11.44	89.85	109.30
1	5M	22	HIS	CG-ND1-CE1	-11.44	89.85	109.30
1	62	22	HIS	CG-ND1-CE1	-11.44	89.85	109.30
1	66	22	HIS	CG-ND1-CE1	-11.44	89.85	109.30
1	7A	22	HIS	CG-ND1-CE1	-11.44	89.85	109.30
1	12	92	ASN	CA-CB-CG	11.41	124.01	112.60
1	16	92	ASN	CA-CB-CG	11.41	124.01	112.60
1	2A	92	ASN	CA-CB-CG	11.41	124.01	112.60
1	3Q	92	ASN	CA-CB-CG	11.41	124.01	112.60
1	3U	92	ASN	CA-CB-CG	11.41	124.01	112.60
1	3Y	92	ASN	CA-CB-CG	11.41	124.01	112.60
1	5E	92	ASN	CA-CB-CG	11.41	124.01	112.60
1	5I	92	ASN	CA-CB-CG	11.41	124.01	112.60
1	5M	92	ASN	CA-CB-CG	11.41	124.01	112.60
1	62	92	ASN	CA-CB-CG	11.41	124.01	112.60
1	66	92	ASN	CA-CB-CG	11.41	124.01	112.60
1	7A	92	ASN	CA-CB-CG	11.41	124.01	112.60
2	1R	218	ARG	NE-CZ-NH2	-11.41	108.93	119.20
2	1V	218	ARG	NE-CZ-NH2	-11.41	108.93	119.20
2	1Z	218	ARG	NE-CZ-NH2	-11.41	108.93	119.20
2	2R	218	ARG	NE-CZ-NH2	-11.41	108.93	119.20
2	2V	218	ARG	NE-CZ-NH2	-11.41	108.93	119.20
2	2Z	218	ARG	NE-CZ-NH2	-11.41	108.93	119.20
2	43	218	ARG	NE-CZ-NH2	-11.41	108.93	119.20
2	47	218	ARG	NE-CZ-NH2	-11.41	108.93	119.20
2	5B	218	ARG	NE-CZ-NH2	-11.41	108.93	119.20
2	53	218	ARG	NE-CZ-NH2	-11.41	108.93	119.20
2	57	218	ARG	NE-CZ-NH2	-11.41	108.93	119.20
2	6B	218	ARG	NE-CZ-NH2	-11.41	108.93	119.20
2	1F	39	ASP	CB-CA-C	11.40	129.91	109.38
2	2N	39	ASP	CB-CA-C	11.40	129.91	109.38
2	23	39	ASP	CB-CA-C	11.40	129.91	109.38
2	3N	39	ASP	CB-CA-C	11.40	129.91	109.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	39	ASP	CB-CA-C	11.40	129.91	109.38
2	4J	39	ASP	CB-CA-C	11.40	129.91	109.38
2	4R	39	ASP	CB-CA-C	11.40	129.91	109.38
2	5Z	39	ASP	CB-CA-C	11.40	129.91	109.38
2	6F	39	ASP	CB-CA-C	11.40	129.91	109.38
2	6Z	39	ASP	CB-CA-C	11.40	129.91	109.38
2	7J	39	ASP	CB-CA-C	11.40	129.91	109.38
2	7V	39	ASP	CB-CA-C	11.40	129.91	109.38
1	1E	90	PHE	O-C-N	-11.40	105.00	121.54
1	2M	90	PHE	O-C-N	-11.40	105.00	121.54
1	22	90	PHE	O-C-N	-11.40	105.00	121.54
1	3M	90	PHE	O-C-N	-11.40	105.00	121.54
1	36	90	PHE	O-C-N	-11.40	105.00	121.54
1	4I	90	PHE	O-C-N	-11.40	105.00	121.54
1	4Q	90	PHE	O-C-N	-11.40	105.00	121.54
1	5Y	90	PHE	O-C-N	-11.40	105.00	121.54
1	6E	90	PHE	O-C-N	-11.40	105.00	121.54
1	6Y	90	PHE	O-C-N	-11.40	105.00	121.54
1	7I	90	PHE	O-C-N	-11.40	105.00	121.54
1	7U	90	PHE	O-C-N	-11.40	105.00	121.54
1	1Q	64	TYR	CA-C-N	-11.40	104.91	122.81
1	1Q	64	TYR	C-N-CA	-11.40	104.91	122.81
1	46	64	TYR	CA-C-N	-11.40	104.91	122.81
2	1B	39	ASP	CB-CA-C	11.40	129.90	109.38
2	1J	39	ASP	CB-CA-C	11.40	129.90	109.38
2	1R	39	ASP	CB-CA-C	11.40	129.90	109.38
1	1U	64	TYR	CA-C-N	-11.40	104.91	122.81
1	1U	64	TYR	C-N-CA	-11.40	104.91	122.81
2	1V	39	ASP	CB-CA-C	11.40	129.90	109.38
1	1Y	64	TYR	CA-C-N	-11.40	104.91	122.81
1	1Y	64	TYR	C-N-CA	-11.40	104.91	122.81
2	1Z	39	ASP	CB-CA-C	11.40	129.90	109.38
1	2Q	64	TYR	CA-C-N	-11.40	104.91	122.81
1	2Q	64	TYR	C-N-CA	-11.40	104.91	122.81
1	2U	64	TYR	CA-C-N	-11.40	104.91	122.81
1	6A	64	TYR	CA-C-N	-11.40	104.91	122.81
2	2F	39	ASP	CB-CA-C	11.40	129.90	109.38
2	2R	39	ASP	CB-CA-C	11.40	129.90	109.38
1	2U	64	TYR	C-N-CA	-11.40	104.91	122.81
2	2V	39	ASP	CB-CA-C	11.40	129.90	109.38
1	2Y	64	TYR	CA-C-N	-11.40	104.91	122.81
1	2Y	64	TYR	C-N-CA	-11.40	104.91	122.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2Z	39	ASP	CB-CA-C	11.40	129.90	109.38
1	42	64	TYR	CA-C-N	-11.40	104.91	122.81
1	42	64	TYR	C-N-CA	-11.40	104.91	122.81
1	46	64	TYR	C-N-CA	-11.40	104.91	122.81
1	5A	64	TYR	CA-C-N	-11.40	104.91	122.81
1	52	64	TYR	CA-C-N	-11.40	104.91	122.81
1	6A	64	TYR	C-N-CA	-11.40	104.91	122.81
2	27	39	ASP	CB-CA-C	11.40	129.90	109.38
2	3F	39	ASP	CB-CA-C	11.40	129.90	109.38
2	4B	39	ASP	CB-CA-C	11.40	129.90	109.38
2	4N	39	ASP	CB-CA-C	11.40	129.90	109.38
2	4V	39	ASP	CB-CA-C	11.40	129.90	109.38
2	43	39	ASP	CB-CA-C	11.40	129.90	109.38
2	47	39	ASP	CB-CA-C	11.40	129.90	109.38
1	5A	64	TYR	C-N-CA	-11.40	104.91	122.81
2	5B	39	ASP	CB-CA-C	11.40	129.90	109.38
1	52	64	TYR	C-N-CA	-11.40	104.91	122.81
1	56	64	TYR	CA-C-N	-11.40	104.91	122.81
2	5R	39	ASP	CB-CA-C	11.40	129.90	109.38
2	53	39	ASP	CB-CA-C	11.40	129.90	109.38
1	56	64	TYR	C-N-CA	-11.40	104.91	122.81
2	57	39	ASP	CB-CA-C	11.40	129.90	109.38
2	6B	39	ASP	CB-CA-C	11.40	129.90	109.38
2	6J	39	ASP	CB-CA-C	11.40	129.90	109.38
2	6R	39	ASP	CB-CA-C	11.40	129.90	109.38
2	7N	39	ASP	CB-CA-C	11.40	129.90	109.38
2	1N	39	ASP	CB-CA-C	11.40	129.90	109.38
2	2J	39	ASP	CB-CA-C	11.40	129.90	109.38
2	3B	39	ASP	CB-CA-C	11.40	129.90	109.38
2	3J	39	ASP	CB-CA-C	11.40	129.90	109.38
2	33	39	ASP	CB-CA-C	11.40	129.90	109.38
2	4F	39	ASP	CB-CA-C	11.40	129.90	109.38
2	4Z	39	ASP	CB-CA-C	11.40	129.90	109.38
2	5V	39	ASP	CB-CA-C	11.40	129.90	109.38
2	6N	39	ASP	CB-CA-C	11.40	129.90	109.38
2	6V	39	ASP	CB-CA-C	11.40	129.90	109.38
2	7F	39	ASP	CB-CA-C	11.40	129.90	109.38
2	7R	39	ASP	CB-CA-C	11.40	129.90	109.38
2	1B	218	ARG	NE-CZ-NH2	-11.40	108.94	119.20
2	1J	218	ARG	NE-CZ-NH2	-11.40	108.94	119.20
2	2F	218	ARG	NE-CZ-NH2	-11.40	108.94	119.20
2	27	218	ARG	NE-CZ-NH2	-11.40	108.94	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	218	ARG	NE-CZ-NH2	-11.40	108.94	119.20
2	4B	218	ARG	NE-CZ-NH2	-11.40	108.94	119.20
2	4N	218	ARG	NE-CZ-NH2	-11.40	108.94	119.20
2	4V	218	ARG	NE-CZ-NH2	-11.40	108.94	119.20
2	5R	218	ARG	NE-CZ-NH2	-11.40	108.94	119.20
2	6J	218	ARG	NE-CZ-NH2	-11.40	108.94	119.20
2	6R	218	ARG	NE-CZ-NH2	-11.40	108.94	119.20
2	7N	218	ARG	NE-CZ-NH2	-11.40	108.94	119.20
2	1F	1	ALA	CA-C-O	11.39	140.17	120.80
2	1N	1	ALA	CA-C-O	11.39	140.17	120.80
2	2N	1	ALA	CA-C-O	11.39	140.17	120.80
2	37	1	ALA	CA-C-O	11.39	140.17	120.80
2	5Z	1	ALA	CA-C-O	11.39	140.17	120.80
2	6Z	1	ALA	CA-C-O	11.39	140.17	120.80
2	7J	1	ALA	CA-C-O	11.39	140.17	120.80
1	12	64	TYR	CA-C-N	-11.39	104.92	122.81
1	12	64	TYR	C-N-CA	-11.39	104.92	122.81
2	13	1	ALA	CA-C-O	11.39	140.17	120.80
1	16	64	TYR	CA-C-N	-11.39	104.92	122.81
1	16	64	TYR	C-N-CA	-11.39	104.92	122.81
2	17	1	ALA	CA-C-O	11.39	140.17	120.80
1	2A	64	TYR	CA-C-N	-11.39	104.92	122.81
1	2A	64	TYR	C-N-CA	-11.39	104.92	122.81
2	2B	1	ALA	CA-C-O	11.39	140.17	120.80
2	2J	1	ALA	CA-C-O	11.39	140.17	120.80
2	23	1	ALA	CA-C-O	11.39	140.17	120.80
2	3B	1	ALA	CA-C-O	11.39	140.17	120.80
2	3J	1	ALA	CA-C-O	11.39	140.17	120.80
2	3N	1	ALA	CA-C-O	11.39	140.17	120.80
2	4R	1	ALA	CA-C-O	11.39	140.17	120.80
1	3Q	64	TYR	CA-C-N	-11.39	104.92	122.81
1	3Q	64	TYR	C-N-CA	-11.39	104.92	122.81
2	3R	1	ALA	CA-C-O	11.39	140.17	120.80
2	6F	1	ALA	CA-C-O	11.39	140.17	120.80
1	3U	64	TYR	CA-C-N	-11.39	104.92	122.81
1	3U	64	TYR	C-N-CA	-11.39	104.92	122.81
2	3V	1	ALA	CA-C-O	11.39	140.17	120.80
1	3Y	64	TYR	CA-C-N	-11.39	104.92	122.81
1	3Y	64	TYR	C-N-CA	-11.39	104.92	122.81
2	3Z	1	ALA	CA-C-O	11.39	140.17	120.80
2	33	1	ALA	CA-C-O	11.39	140.17	120.80
2	4F	1	ALA	CA-C-O	11.39	140.17	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4J	1	ALA	CA-C-O	11.39	140.17	120.80
2	4Z	1	ALA	CA-C-O	11.39	140.17	120.80
1	5E	64	TYR	CA-C-N	-11.39	104.92	122.81
1	5E	64	TYR	C-N-CA	-11.39	104.92	122.81
2	5F	1	ALA	CA-C-O	11.39	140.17	120.80
1	5I	64	TYR	CA-C-N	-11.39	104.92	122.81
1	5I	64	TYR	C-N-CA	-11.39	104.92	122.81
2	5J	1	ALA	CA-C-O	11.39	140.17	120.80
1	5M	64	TYR	CA-C-N	-11.39	104.92	122.81
1	5M	64	TYR	C-N-CA	-11.39	104.92	122.81
2	5N	1	ALA	CA-C-O	11.39	140.17	120.80
2	5V	1	ALA	CA-C-O	11.39	140.17	120.80
2	6N	1	ALA	CA-C-O	11.39	140.17	120.80
2	6V	1	ALA	CA-C-O	11.39	140.17	120.80
1	62	64	TYR	CA-C-N	-11.39	104.92	122.81
1	62	64	TYR	C-N-CA	-11.39	104.92	122.81
2	63	1	ALA	CA-C-O	11.39	140.17	120.80
1	66	64	TYR	CA-C-N	-11.39	104.92	122.81
1	66	64	TYR	C-N-CA	-11.39	104.92	122.81
2	67	1	ALA	CA-C-O	11.39	140.17	120.80
1	7A	64	TYR	CA-C-N	-11.39	104.92	122.81
1	7A	64	TYR	C-N-CA	-11.39	104.92	122.81
2	7B	1	ALA	CA-C-O	11.39	140.17	120.80
2	7F	1	ALA	CA-C-O	11.39	140.17	120.80
2	7R	1	ALA	CA-C-O	11.39	140.17	120.80
2	7V	1	ALA	CA-C-O	11.39	140.17	120.80
2	1N	218	ARG	NE-CZ-NH2	-11.39	108.95	119.20
2	2J	218	ARG	NE-CZ-NH2	-11.39	108.95	119.20
2	3B	218	ARG	NE-CZ-NH2	-11.39	108.95	119.20
2	3J	218	ARG	NE-CZ-NH2	-11.39	108.95	119.20
2	33	218	ARG	NE-CZ-NH2	-11.39	108.95	119.20
2	4F	218	ARG	NE-CZ-NH2	-11.39	108.95	119.20
2	4Z	218	ARG	NE-CZ-NH2	-11.39	108.95	119.20
2	5V	218	ARG	NE-CZ-NH2	-11.39	108.95	119.20
2	6N	218	ARG	NE-CZ-NH2	-11.39	108.95	119.20
2	6V	218	ARG	NE-CZ-NH2	-11.39	108.95	119.20
2	7F	218	ARG	NE-CZ-NH2	-11.39	108.95	119.20
2	7R	218	ARG	NE-CZ-NH2	-11.39	108.95	119.20
1	1M	64	TYR	CA-C-N	-11.39	104.93	122.81
1	1M	64	TYR	C-N-CA	-11.39	104.93	122.81
1	2I	64	TYR	CA-C-N	-11.39	104.93	122.81
1	2I	64	TYR	C-N-CA	-11.39	104.93	122.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3A	64	TYR	CA-C-N	-11.39	104.93	122.81
1	3A	64	TYR	C-N-CA	-11.39	104.93	122.81
1	3I	64	TYR	CA-C-N	-11.39	104.93	122.81
1	3I	64	TYR	C-N-CA	-11.39	104.93	122.81
1	32	64	TYR	CA-C-N	-11.39	104.93	122.81
1	32	64	TYR	C-N-CA	-11.39	104.93	122.81
1	4E	64	TYR	CA-C-N	-11.39	104.93	122.81
1	4E	64	TYR	C-N-CA	-11.39	104.93	122.81
1	4Y	64	TYR	CA-C-N	-11.39	104.93	122.81
1	4Y	64	TYR	C-N-CA	-11.39	104.93	122.81
1	5U	64	TYR	CA-C-N	-11.39	104.93	122.81
1	5U	64	TYR	C-N-CA	-11.39	104.93	122.81
1	6M	64	TYR	CA-C-N	-11.39	104.93	122.81
1	6M	64	TYR	C-N-CA	-11.39	104.93	122.81
1	6U	64	TYR	CA-C-N	-11.39	104.93	122.81
1	6U	64	TYR	C-N-CA	-11.39	104.93	122.81
1	7E	64	TYR	CA-C-N	-11.39	104.93	122.81
1	7E	64	TYR	C-N-CA	-11.39	104.93	122.81
1	7Q	64	TYR	CA-C-N	-11.39	104.93	122.81
1	7Q	64	TYR	C-N-CA	-11.39	104.93	122.81
1	1A	64	TYR	CA-C-N	-11.39	104.93	122.81
1	1A	64	TYR	C-N-CA	-11.39	104.93	122.81
1	1I	64	TYR	CA-C-N	-11.39	104.93	122.81
1	1I	64	TYR	C-N-CA	-11.39	104.93	122.81
1	2E	64	TYR	CA-C-N	-11.39	104.93	122.81
1	2E	64	TYR	C-N-CA	-11.39	104.93	122.81
1	26	64	TYR	CA-C-N	-11.39	104.93	122.81
1	26	64	TYR	C-N-CA	-11.39	104.93	122.81
1	3E	64	TYR	CA-C-N	-11.39	104.93	122.81
1	3E	64	TYR	C-N-CA	-11.39	104.93	122.81
1	4A	64	TYR	CA-C-N	-11.39	104.93	122.81
1	4A	64	TYR	C-N-CA	-11.39	104.93	122.81
1	4M	64	TYR	CA-C-N	-11.39	104.93	122.81
1	4M	64	TYR	C-N-CA	-11.39	104.93	122.81
1	4U	64	TYR	CA-C-N	-11.39	104.93	122.81
1	4U	64	TYR	C-N-CA	-11.39	104.93	122.81
1	5Q	64	TYR	CA-C-N	-11.39	104.93	122.81
1	5Q	64	TYR	C-N-CA	-11.39	104.93	122.81
1	6I	64	TYR	CA-C-N	-11.39	104.93	122.81
1	6I	64	TYR	C-N-CA	-11.39	104.93	122.81
1	6Q	64	TYR	CA-C-N	-11.39	104.93	122.81
1	6Q	64	TYR	C-N-CA	-11.39	104.93	122.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	64	TYR	CA-C-N	-11.39	104.93	122.81
1	7M	64	TYR	C-N-CA	-11.39	104.93	122.81
1	1M	92	ASN	CA-CB-CG	11.39	123.99	112.60
1	2I	92	ASN	CA-CB-CG	11.39	123.99	112.60
1	3A	92	ASN	CA-CB-CG	11.39	123.99	112.60
1	3I	92	ASN	CA-CB-CG	11.39	123.99	112.60
1	32	92	ASN	CA-CB-CG	11.39	123.99	112.60
1	4E	92	ASN	CA-CB-CG	11.39	123.99	112.60
1	4Y	92	ASN	CA-CB-CG	11.39	123.99	112.60
1	5U	92	ASN	CA-CB-CG	11.39	123.99	112.60
1	6M	92	ASN	CA-CB-CG	11.39	123.99	112.60
1	6U	92	ASN	CA-CB-CG	11.39	123.99	112.60
1	7E	92	ASN	CA-CB-CG	11.39	123.99	112.60
1	7Q	92	ASN	CA-CB-CG	11.39	123.99	112.60
1	1Q	90	PHE	O-C-N	-11.38	105.03	121.54
1	1U	90	PHE	O-C-N	-11.38	105.03	121.54
1	1Y	90	PHE	O-C-N	-11.38	105.03	121.54
1	2Q	90	PHE	O-C-N	-11.38	105.03	121.54
1	2U	90	PHE	O-C-N	-11.38	105.03	121.54
1	2Y	90	PHE	O-C-N	-11.38	105.03	121.54
1	42	90	PHE	O-C-N	-11.38	105.03	121.54
1	46	90	PHE	O-C-N	-11.38	105.03	121.54
1	5A	90	PHE	O-C-N	-11.38	105.03	121.54
1	52	90	PHE	O-C-N	-11.38	105.03	121.54
1	56	90	PHE	O-C-N	-11.38	105.03	121.54
1	6A	90	PHE	O-C-N	-11.38	105.03	121.54
1	1A	90	PHE	O-C-N	-11.38	105.04	121.54
2	1F	218	ARG	NE-CZ-NH2	-11.38	108.96	119.20
1	1I	90	PHE	O-C-N	-11.38	105.04	121.54
2	13	39	ASP	CB-CA-C	11.38	129.87	109.38
2	17	39	ASP	CB-CA-C	11.38	129.87	109.38
2	2B	39	ASP	CB-CA-C	11.38	129.87	109.38
1	2E	90	PHE	O-C-N	-11.38	105.04	121.54
2	2N	218	ARG	NE-CZ-NH2	-11.38	108.96	119.20
2	23	218	ARG	NE-CZ-NH2	-11.38	108.96	119.20
1	26	90	PHE	O-C-N	-11.38	105.04	121.54
1	3E	90	PHE	O-C-N	-11.38	105.04	121.54
2	3N	218	ARG	NE-CZ-NH2	-11.38	108.96	119.20
2	3R	39	ASP	CB-CA-C	11.38	129.87	109.38
2	3V	39	ASP	CB-CA-C	11.38	129.87	109.38
2	3Z	39	ASP	CB-CA-C	11.38	129.87	109.38
2	37	218	ARG	NE-CZ-NH2	-11.38	108.96	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	90	PHE	O-C-N	-11.38	105.04	121.54
2	4J	218	ARG	NE-CZ-NH2	-11.38	108.96	119.20
1	4M	90	PHE	O-C-N	-11.38	105.04	121.54
2	4R	218	ARG	NE-CZ-NH2	-11.38	108.96	119.20
1	4U	90	PHE	O-C-N	-11.38	105.04	121.54
2	5F	39	ASP	CB-CA-C	11.38	129.87	109.38
2	5J	39	ASP	CB-CA-C	11.38	129.87	109.38
2	5N	39	ASP	CB-CA-C	11.38	129.87	109.38
1	5Q	90	PHE	O-C-N	-11.38	105.04	121.54
2	5Z	218	ARG	NE-CZ-NH2	-11.38	108.96	119.20
2	6F	218	ARG	NE-CZ-NH2	-11.38	108.96	119.20
1	6I	90	PHE	O-C-N	-11.38	105.04	121.54
1	6Q	90	PHE	O-C-N	-11.38	105.04	121.54
2	6Z	218	ARG	NE-CZ-NH2	-11.38	108.96	119.20
2	63	39	ASP	CB-CA-C	11.38	129.87	109.38
2	67	39	ASP	CB-CA-C	11.38	129.87	109.38
2	7B	39	ASP	CB-CA-C	11.38	129.87	109.38
2	7J	218	ARG	NE-CZ-NH2	-11.38	108.96	119.20
1	7M	90	PHE	O-C-N	-11.38	105.04	121.54
2	7V	218	ARG	NE-CZ-NH2	-11.38	108.96	119.20
1	1A	92	ASN	CA-CB-CG	11.37	123.97	112.60
2	1B	1	ALA	CA-C-O	11.38	140.14	120.80
1	1E	64	TYR	CA-C-N	-11.38	104.95	122.81
1	1E	64	TYR	C-N-CA	-11.38	104.95	122.81
1	1I	92	ASN	CA-CB-CG	11.37	123.97	112.60
2	1J	1	ALA	CA-C-O	11.38	140.14	120.80
1	12	90	PHE	O-C-N	-11.37	105.05	121.54
1	16	90	PHE	O-C-N	-11.37	105.05	121.54
1	2A	90	PHE	O-C-N	-11.37	105.05	121.54
1	2E	92	ASN	CA-CB-CG	11.37	123.97	112.60
2	2F	1	ALA	CA-C-O	11.38	140.14	120.80
1	2M	64	TYR	CA-C-N	-11.38	104.95	122.81
1	2M	64	TYR	C-N-CA	-11.38	104.95	122.81
1	22	64	TYR	CA-C-N	-11.38	104.95	122.81
1	22	64	TYR	C-N-CA	-11.38	104.95	122.81
1	26	92	ASN	CA-CB-CG	11.37	123.97	112.60
2	27	1	ALA	CA-C-O	11.38	140.14	120.80
1	3E	92	ASN	CA-CB-CG	11.37	123.97	112.60
2	3F	1	ALA	CA-C-O	11.38	140.14	120.80
1	3M	64	TYR	CA-C-N	-11.38	104.95	122.81
1	3M	64	TYR	C-N-CA	-11.38	104.95	122.81
1	3Q	90	PHE	O-C-N	-11.37	105.05	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	90	PHE	O-C-N	-11.37	105.05	121.54
1	3Y	90	PHE	O-C-N	-11.37	105.05	121.54
1	36	64	TYR	CA-C-N	-11.38	104.95	122.81
1	36	64	TYR	C-N-CA	-11.38	104.95	122.81
1	4A	92	ASN	CA-CB-CG	11.37	123.97	112.60
2	4B	1	ALA	CA-C-O	11.38	140.14	120.80
1	4I	64	TYR	CA-C-N	-11.38	104.95	122.81
1	4I	64	TYR	C-N-CA	-11.38	104.95	122.81
1	4M	92	ASN	CA-CB-CG	11.37	123.97	112.60
2	4N	1	ALA	CA-C-O	11.38	140.14	120.80
1	4Q	64	TYR	CA-C-N	-11.38	104.95	122.81
1	4Q	64	TYR	C-N-CA	-11.38	104.95	122.81
1	4U	92	ASN	CA-CB-CG	11.37	123.97	112.60
2	4V	1	ALA	CA-C-O	11.38	140.14	120.80
1	5E	90	PHE	O-C-N	-11.37	105.05	121.54
1	5I	90	PHE	O-C-N	-11.37	105.05	121.54
1	5M	90	PHE	O-C-N	-11.37	105.05	121.54
1	5Q	92	ASN	CA-CB-CG	11.37	123.97	112.60
2	5R	1	ALA	CA-C-O	11.38	140.14	120.80
1	5Y	64	TYR	CA-C-N	-11.38	104.95	122.81
1	5Y	64	TYR	C-N-CA	-11.38	104.95	122.81
1	6E	64	TYR	CA-C-N	-11.38	104.95	122.81
1	6E	64	TYR	C-N-CA	-11.38	104.95	122.81
1	6I	92	ASN	CA-CB-CG	11.37	123.97	112.60
2	6J	1	ALA	CA-C-O	11.38	140.14	120.80
1	6Q	92	ASN	CA-CB-CG	11.37	123.97	112.60
2	6R	1	ALA	CA-C-O	11.38	140.14	120.80
1	6Y	64	TYR	CA-C-N	-11.38	104.95	122.81
1	6Y	64	TYR	C-N-CA	-11.38	104.95	122.81
1	62	90	PHE	O-C-N	-11.37	105.05	121.54
1	66	90	PHE	O-C-N	-11.37	105.05	121.54
1	7A	90	PHE	O-C-N	-11.37	105.05	121.54
1	7I	64	TYR	CA-C-N	-11.38	104.95	122.81
1	7I	64	TYR	C-N-CA	-11.38	104.95	122.81
1	7M	92	ASN	CA-CB-CG	11.37	123.97	112.60
2	7N	1	ALA	CA-C-O	11.38	140.14	120.80
1	7U	64	TYR	CA-C-N	-11.38	104.95	122.81
1	7U	64	TYR	C-N-CA	-11.38	104.95	122.81
1	1M	90	PHE	O-C-N	-11.37	105.05	121.54
1	2I	90	PHE	O-C-N	-11.37	105.05	121.54
1	3A	90	PHE	O-C-N	-11.37	105.05	121.54
1	3I	90	PHE	O-C-N	-11.37	105.05	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	90	PHE	O-C-N	-11.37	105.05	121.54
1	4E	90	PHE	O-C-N	-11.37	105.05	121.54
1	4Y	90	PHE	O-C-N	-11.37	105.05	121.54
1	5U	90	PHE	O-C-N	-11.37	105.05	121.54
1	6M	90	PHE	O-C-N	-11.37	105.05	121.54
1	6U	90	PHE	O-C-N	-11.37	105.05	121.54
1	7E	90	PHE	O-C-N	-11.37	105.05	121.54
1	7Q	90	PHE	O-C-N	-11.37	105.05	121.54
2	1R	1	ALA	CA-C-O	11.37	140.13	120.80
2	1V	1	ALA	CA-C-O	11.37	140.13	120.80
2	1Z	1	ALA	CA-C-O	11.37	140.13	120.80
2	2R	1	ALA	CA-C-O	11.37	140.13	120.80
2	2V	1	ALA	CA-C-O	11.37	140.13	120.80
2	2Z	1	ALA	CA-C-O	11.37	140.13	120.80
2	43	1	ALA	CA-C-O	11.37	140.13	120.80
2	47	1	ALA	CA-C-O	11.37	140.13	120.80
2	5B	1	ALA	CA-C-O	11.37	140.13	120.80
2	53	1	ALA	CA-C-O	11.37	140.13	120.80
2	57	1	ALA	CA-C-O	11.37	140.13	120.80
2	6B	1	ALA	CA-C-O	11.37	140.13	120.80
1	1Q	92	ASN	CA-CB-CG	11.37	123.97	112.60
1	1U	92	ASN	CA-CB-CG	11.37	123.97	112.60
1	1Y	92	ASN	CA-CB-CG	11.37	123.97	112.60
1	2Q	92	ASN	CA-CB-CG	11.37	123.97	112.60
1	2U	92	ASN	CA-CB-CG	11.37	123.97	112.60
1	2Y	92	ASN	CA-CB-CG	11.37	123.97	112.60
1	42	92	ASN	CA-CB-CG	11.37	123.97	112.60
1	46	92	ASN	CA-CB-CG	11.37	123.97	112.60
1	5A	92	ASN	CA-CB-CG	11.37	123.97	112.60
1	52	92	ASN	CA-CB-CG	11.37	123.97	112.60
1	56	92	ASN	CA-CB-CG	11.37	123.97	112.60
1	6A	92	ASN	CA-CB-CG	11.37	123.97	112.60
2	13	218	ARG	NE-CZ-NH2	-11.37	108.97	119.20
2	17	218	ARG	NE-CZ-NH2	-11.37	108.97	119.20
2	2B	218	ARG	NE-CZ-NH2	-11.37	108.97	119.20
2	3R	218	ARG	NE-CZ-NH2	-11.37	108.97	119.20
2	3V	218	ARG	NE-CZ-NH2	-11.37	108.97	119.20
2	3Z	218	ARG	NE-CZ-NH2	-11.37	108.97	119.20
2	5F	218	ARG	NE-CZ-NH2	-11.37	108.97	119.20
2	5J	218	ARG	NE-CZ-NH2	-11.37	108.97	119.20
2	5N	218	ARG	NE-CZ-NH2	-11.37	108.97	119.20
2	63	218	ARG	NE-CZ-NH2	-11.37	108.97	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	218	ARG	NE-CZ-NH2	-11.37	108.97	119.20
2	7B	218	ARG	NE-CZ-NH2	-11.37	108.97	119.20
1	1E	92	ASN	CA-CB-CG	11.36	123.96	112.60
1	2M	92	ASN	CA-CB-CG	11.36	123.96	112.60
1	22	92	ASN	CA-CB-CG	11.36	123.96	112.60
1	3M	92	ASN	CA-CB-CG	11.36	123.96	112.60
1	36	92	ASN	CA-CB-CG	11.36	123.96	112.60
1	4I	92	ASN	CA-CB-CG	11.36	123.96	112.60
1	4Q	92	ASN	CA-CB-CG	11.36	123.96	112.60
1	5Y	92	ASN	CA-CB-CG	11.36	123.96	112.60
1	6E	92	ASN	CA-CB-CG	11.36	123.96	112.60
1	6Y	92	ASN	CA-CB-CG	11.36	123.96	112.60
1	7I	92	ASN	CA-CB-CG	11.36	123.96	112.60
1	7U	92	ASN	CA-CB-CG	11.36	123.96	112.60
2	1F	38	VAL	CB-CA-C	-11.32	96.60	112.22
2	2N	38	VAL	CB-CA-C	-11.32	96.60	112.22
2	23	38	VAL	CB-CA-C	-11.32	96.60	112.22
2	3N	38	VAL	CB-CA-C	-11.32	96.60	112.22
2	37	38	VAL	CB-CA-C	-11.32	96.60	112.22
2	4J	38	VAL	CB-CA-C	-11.32	96.60	112.22
2	4R	38	VAL	CB-CA-C	-11.32	96.60	112.22
2	5Z	38	VAL	CB-CA-C	-11.32	96.60	112.22
2	6F	38	VAL	CB-CA-C	-11.32	96.60	112.22
2	6Z	38	VAL	CB-CA-C	-11.32	96.60	112.22
2	7J	38	VAL	CB-CA-C	-11.32	96.60	112.22
2	7V	38	VAL	CB-CA-C	-11.32	96.60	112.22
2	1R	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	1V	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	1Z	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	2R	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	2V	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	2Z	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	43	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	47	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	5B	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	53	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	57	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	6B	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	13	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	17	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	2B	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	3R	38	VAL	CB-CA-C	-11.31	96.61	112.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	3Z	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	5F	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	5J	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	5N	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	63	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	67	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	7B	38	VAL	CB-CA-C	-11.31	96.61	112.22
2	1F	26	ALA	CA-C-O	11.31	130.75	119.22
2	2N	26	ALA	CA-C-O	11.31	130.75	119.22
2	23	26	ALA	CA-C-O	11.31	130.75	119.22
2	3N	26	ALA	CA-C-O	11.31	130.75	119.22
2	37	26	ALA	CA-C-O	11.31	130.75	119.22
2	4J	26	ALA	CA-C-O	11.31	130.75	119.22
2	4R	26	ALA	CA-C-O	11.31	130.75	119.22
2	5Z	26	ALA	CA-C-O	11.31	130.75	119.22
2	6F	26	ALA	CA-C-O	11.31	130.75	119.22
2	6Z	26	ALA	CA-C-O	11.31	130.75	119.22
2	7J	26	ALA	CA-C-O	11.31	130.75	119.22
2	7V	26	ALA	CA-C-O	11.31	130.75	119.22
2	1B	38	VAL	CB-CA-C	-11.30	96.62	112.22
2	1J	38	VAL	CB-CA-C	-11.30	96.62	112.22
2	2F	38	VAL	CB-CA-C	-11.30	96.62	112.22
2	27	38	VAL	CB-CA-C	-11.30	96.62	112.22
2	3F	38	VAL	CB-CA-C	-11.30	96.62	112.22
2	4B	38	VAL	CB-CA-C	-11.30	96.62	112.22
2	4N	38	VAL	CB-CA-C	-11.30	96.62	112.22
2	4V	38	VAL	CB-CA-C	-11.30	96.62	112.22
2	5R	38	VAL	CB-CA-C	-11.30	96.62	112.22
2	6J	38	VAL	CB-CA-C	-11.30	96.62	112.22
2	6R	38	VAL	CB-CA-C	-11.30	96.62	112.22
2	7N	38	VAL	CB-CA-C	-11.30	96.62	112.22
1	1Q	97	SER	N-CA-C	-11.30	90.11	108.07
1	1U	97	SER	N-CA-C	-11.30	90.11	108.07
1	1Y	97	SER	N-CA-C	-11.30	90.11	108.07
2	13	58	LEU	CD1-CG-CD2	11.30	135.66	110.80
2	17	58	LEU	CD1-CG-CD2	11.30	135.66	110.80
2	2B	58	LEU	CD1-CG-CD2	11.30	135.66	110.80
1	2Q	97	SER	N-CA-C	-11.30	90.11	108.07
1	2U	97	SER	N-CA-C	-11.30	90.11	108.07
1	2Y	97	SER	N-CA-C	-11.30	90.11	108.07
2	3R	58	LEU	CD1-CG-CD2	11.30	135.66	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	58	LEU	CD1-CG-CD2	11.30	135.66	110.80
2	3Z	58	LEU	CD1-CG-CD2	11.30	135.66	110.80
1	42	97	SER	N-CA-C	-11.30	90.11	108.07
1	46	97	SER	N-CA-C	-11.30	90.11	108.07
1	5A	97	SER	N-CA-C	-11.30	90.11	108.07
2	5F	58	LEU	CD1-CG-CD2	11.30	135.66	110.80
2	5J	58	LEU	CD1-CG-CD2	11.30	135.66	110.80
2	5N	58	LEU	CD1-CG-CD2	11.30	135.66	110.80
1	52	97	SER	N-CA-C	-11.30	90.11	108.07
1	56	97	SER	N-CA-C	-11.30	90.11	108.07
1	6A	97	SER	N-CA-C	-11.30	90.11	108.07
2	63	58	LEU	CD1-CG-CD2	11.30	135.66	110.80
2	67	58	LEU	CD1-CG-CD2	11.30	135.66	110.80
2	7B	58	LEU	CD1-CG-CD2	11.30	135.66	110.80
2	1N	26	ALA	CA-C-O	11.29	130.74	119.22
2	2J	26	ALA	CA-C-O	11.29	130.74	119.22
2	3B	26	ALA	CA-C-O	11.29	130.74	119.22
2	3J	26	ALA	CA-C-O	11.29	130.74	119.22
2	33	26	ALA	CA-C-O	11.29	130.74	119.22
2	4F	26	ALA	CA-C-O	11.29	130.74	119.22
2	4Z	26	ALA	CA-C-O	11.29	130.74	119.22
2	5V	26	ALA	CA-C-O	11.29	130.74	119.22
2	6N	26	ALA	CA-C-O	11.29	130.74	119.22
2	6V	26	ALA	CA-C-O	11.29	130.74	119.22
2	7F	26	ALA	CA-C-O	11.29	130.74	119.22
2	7R	26	ALA	CA-C-O	11.29	130.74	119.22
1	1A	97	SER	N-CA-C	-11.29	90.12	108.07
1	1I	97	SER	N-CA-C	-11.29	90.12	108.07
1	2E	97	SER	N-CA-C	-11.29	90.12	108.07
1	26	97	SER	N-CA-C	-11.29	90.12	108.07
1	3E	97	SER	N-CA-C	-11.29	90.12	108.07
1	4A	97	SER	N-CA-C	-11.29	90.12	108.07
1	4M	97	SER	N-CA-C	-11.29	90.12	108.07
1	4U	97	SER	N-CA-C	-11.29	90.12	108.07
1	5Q	97	SER	N-CA-C	-11.29	90.12	108.07
1	6I	97	SER	N-CA-C	-11.29	90.12	108.07
1	6Q	97	SER	N-CA-C	-11.29	90.12	108.07
1	7M	97	SER	N-CA-C	-11.29	90.12	108.07
1	1M	97	SER	N-CA-C	-11.29	90.12	108.07
1	2I	97	SER	N-CA-C	-11.29	90.12	108.07
1	3A	97	SER	N-CA-C	-11.29	90.12	108.07
1	3I	97	SER	N-CA-C	-11.29	90.12	108.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	97	SER	N-CA-C	-11.29	90.12	108.07
1	4E	97	SER	N-CA-C	-11.29	90.12	108.07
1	4Y	97	SER	N-CA-C	-11.29	90.12	108.07
1	5U	97	SER	N-CA-C	-11.29	90.12	108.07
1	6M	97	SER	N-CA-C	-11.29	90.12	108.07
1	6U	97	SER	N-CA-C	-11.29	90.12	108.07
1	7E	97	SER	N-CA-C	-11.29	90.12	108.07
1	7Q	97	SER	N-CA-C	-11.29	90.12	108.07
2	1N	38	VAL	CB-CA-C	-11.29	96.64	112.22
2	1B	58	LEU	CD1-CG-CD2	11.28	135.63	110.80
1	1E	97	SER	N-CA-C	-11.29	90.13	108.07
2	2J	38	VAL	CB-CA-C	-11.29	96.64	112.22
2	3B	38	VAL	CB-CA-C	-11.29	96.64	112.22
2	33	38	VAL	CB-CA-C	-11.29	96.64	112.22
2	4Z	38	VAL	CB-CA-C	-11.29	96.64	112.22
2	1J	58	LEU	CD1-CG-CD2	11.28	135.63	110.80
2	2F	58	LEU	CD1-CG-CD2	11.28	135.63	110.80
1	2M	97	SER	N-CA-C	-11.29	90.13	108.07
1	22	97	SER	N-CA-C	-11.29	90.13	108.07
2	3J	38	VAL	CB-CA-C	-11.29	96.64	112.22
2	4F	38	VAL	CB-CA-C	-11.29	96.64	112.22
2	5V	38	VAL	CB-CA-C	-11.29	96.64	112.22
2	27	58	LEU	CD1-CG-CD2	11.28	135.63	110.80
2	3F	58	LEU	CD1-CG-CD2	11.28	135.63	110.80
1	3M	97	SER	N-CA-C	-11.29	90.13	108.07
1	36	97	SER	N-CA-C	-11.29	90.13	108.07
2	6V	38	VAL	CB-CA-C	-11.29	96.64	112.22
2	4B	58	LEU	CD1-CG-CD2	11.28	135.63	110.80
1	4I	97	SER	N-CA-C	-11.29	90.13	108.07
2	4N	58	LEU	CD1-CG-CD2	11.28	135.63	110.80
1	4Q	97	SER	N-CA-C	-11.29	90.13	108.07
2	7R	38	VAL	CB-CA-C	-11.29	96.64	112.22
2	4V	58	LEU	CD1-CG-CD2	11.28	135.63	110.80
2	5R	58	LEU	CD1-CG-CD2	11.28	135.63	110.80
1	5Y	97	SER	N-CA-C	-11.29	90.13	108.07
1	6E	97	SER	N-CA-C	-11.29	90.13	108.07
2	6N	38	VAL	CB-CA-C	-11.29	96.64	112.22
2	6J	58	LEU	CD1-CG-CD2	11.28	135.63	110.80
2	6R	58	LEU	CD1-CG-CD2	11.28	135.63	110.80
1	6Y	97	SER	N-CA-C	-11.29	90.13	108.07
2	7F	38	VAL	CB-CA-C	-11.29	96.64	112.22
1	7I	97	SER	N-CA-C	-11.29	90.13	108.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	58	LEU	CD1-CG-CD2	11.28	135.63	110.80
1	7U	97	SER	N-CA-C	-11.29	90.13	108.07
1	12	97	SER	N-CA-C	-11.28	90.13	108.07
1	16	97	SER	N-CA-C	-11.28	90.13	108.07
1	2A	97	SER	N-CA-C	-11.28	90.13	108.07
1	3Q	97	SER	N-CA-C	-11.28	90.13	108.07
1	3U	97	SER	N-CA-C	-11.28	90.13	108.07
1	3Y	97	SER	N-CA-C	-11.28	90.13	108.07
1	5E	97	SER	N-CA-C	-11.28	90.13	108.07
1	5I	97	SER	N-CA-C	-11.28	90.13	108.07
1	5M	97	SER	N-CA-C	-11.28	90.13	108.07
1	62	97	SER	N-CA-C	-11.28	90.13	108.07
1	66	97	SER	N-CA-C	-11.28	90.13	108.07
1	7A	97	SER	N-CA-C	-11.28	90.13	108.07
1	1Q	38	PRO	CA-N-CD	11.28	127.79	112.00
1	1U	38	PRO	CA-N-CD	11.28	127.79	112.00
1	1Y	38	PRO	CA-N-CD	11.28	127.79	112.00
1	2Q	38	PRO	CA-N-CD	11.28	127.79	112.00
1	2U	38	PRO	CA-N-CD	11.28	127.79	112.00
1	2Y	38	PRO	CA-N-CD	11.28	127.79	112.00
1	42	38	PRO	CA-N-CD	11.28	127.79	112.00
1	46	38	PRO	CA-N-CD	11.28	127.79	112.00
1	5A	38	PRO	CA-N-CD	11.28	127.79	112.00
1	52	38	PRO	CA-N-CD	11.28	127.79	112.00
1	56	38	PRO	CA-N-CD	11.28	127.79	112.00
1	6A	38	PRO	CA-N-CD	11.28	127.79	112.00
2	1F	58	LEU	CD1-CG-CD2	11.27	135.60	110.80
2	2N	58	LEU	CD1-CG-CD2	11.27	135.60	110.80
2	23	58	LEU	CD1-CG-CD2	11.27	135.60	110.80
2	3N	58	LEU	CD1-CG-CD2	11.27	135.60	110.80
2	37	58	LEU	CD1-CG-CD2	11.27	135.60	110.80
2	4J	58	LEU	CD1-CG-CD2	11.27	135.60	110.80
2	4R	58	LEU	CD1-CG-CD2	11.27	135.60	110.80
2	5Z	58	LEU	CD1-CG-CD2	11.27	135.60	110.80
2	6F	58	LEU	CD1-CG-CD2	11.27	135.60	110.80
2	6Z	58	LEU	CD1-CG-CD2	11.27	135.60	110.80
2	7J	58	LEU	CD1-CG-CD2	11.27	135.60	110.80
2	7V	58	LEU	CD1-CG-CD2	11.27	135.60	110.80
2	13	23	HIS	O-C-N	-11.27	108.36	121.32
2	17	23	HIS	O-C-N	-11.27	108.36	121.32
2	2B	23	HIS	O-C-N	-11.27	108.36	121.32
2	3R	23	HIS	O-C-N	-11.27	108.36	121.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	23	HIS	O-C-N	-11.27	108.36	121.32
2	3Z	23	HIS	O-C-N	-11.27	108.36	121.32
2	5F	23	HIS	O-C-N	-11.27	108.36	121.32
2	5J	23	HIS	O-C-N	-11.27	108.36	121.32
2	5N	23	HIS	O-C-N	-11.27	108.36	121.32
2	63	23	HIS	O-C-N	-11.27	108.36	121.32
2	67	23	HIS	O-C-N	-11.27	108.36	121.32
2	7B	23	HIS	O-C-N	-11.27	108.36	121.32
2	1B	26	ALA	CA-C-O	11.27	130.71	119.22
2	1J	26	ALA	CA-C-O	11.27	130.71	119.22
2	13	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	17	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	2B	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	2F	26	ALA	CA-C-O	11.27	130.71	119.22
2	27	26	ALA	CA-C-O	11.27	130.71	119.22
2	3F	26	ALA	CA-C-O	11.27	130.71	119.22
2	3R	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	3V	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	3Z	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	4B	26	ALA	CA-C-O	11.27	130.71	119.22
2	4N	26	ALA	CA-C-O	11.27	130.71	119.22
2	4V	26	ALA	CA-C-O	11.27	130.71	119.22
2	5F	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	5J	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	5N	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	5R	26	ALA	CA-C-O	11.27	130.71	119.22
2	6J	26	ALA	CA-C-O	11.27	130.71	119.22
2	6R	26	ALA	CA-C-O	11.27	130.71	119.22
2	63	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	67	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	7B	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	7N	26	ALA	CA-C-O	11.27	130.71	119.22
2	1N	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	1R	26	ALA	CA-C-O	11.27	130.71	119.22
2	1V	26	ALA	CA-C-O	11.27	130.71	119.22
2	1Z	26	ALA	CA-C-O	11.27	130.71	119.22
2	2J	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	2R	26	ALA	CA-C-O	11.27	130.71	119.22
2	2V	26	ALA	CA-C-O	11.27	130.71	119.22
2	2Z	26	ALA	CA-C-O	11.27	130.71	119.22
2	3B	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	3J	41	PHE	CD1-CG-CD2	11.27	135.50	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	4F	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	4Z	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	43	26	ALA	CA-C-O	11.27	130.71	119.22
2	47	26	ALA	CA-C-O	11.27	130.71	119.22
2	5B	26	ALA	CA-C-O	11.27	130.71	119.22
2	5V	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	53	26	ALA	CA-C-O	11.27	130.71	119.22
2	57	26	ALA	CA-C-O	11.27	130.71	119.22
2	6B	26	ALA	CA-C-O	11.27	130.71	119.22
2	6N	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	6V	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	7F	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	7R	41	PHE	CD1-CG-CD2	11.27	135.50	118.60
2	1N	23	HIS	O-C-N	-11.26	108.37	121.32
2	2J	23	HIS	O-C-N	-11.26	108.37	121.32
2	3B	23	HIS	O-C-N	-11.26	108.37	121.32
2	3J	23	HIS	O-C-N	-11.26	108.37	121.32
2	33	23	HIS	O-C-N	-11.26	108.37	121.32
2	4F	23	HIS	O-C-N	-11.26	108.37	121.32
2	4Z	23	HIS	O-C-N	-11.26	108.37	121.32
2	5V	23	HIS	O-C-N	-11.26	108.37	121.32
2	6N	23	HIS	O-C-N	-11.26	108.37	121.32
2	6V	23	HIS	O-C-N	-11.26	108.37	121.32
2	7F	23	HIS	O-C-N	-11.26	108.37	121.32
2	7R	23	HIS	O-C-N	-11.26	108.37	121.32
2	1B	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	1J	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	1R	23	HIS	O-C-N	-11.26	108.37	121.32
2	1R	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	1V	23	HIS	O-C-N	-11.26	108.37	121.32
2	1V	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	1Z	23	HIS	O-C-N	-11.26	108.37	121.32
2	1Z	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	2F	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	2R	23	HIS	O-C-N	-11.26	108.37	121.32
2	2R	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	2V	23	HIS	O-C-N	-11.26	108.37	121.32
2	2V	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	2Z	23	HIS	O-C-N	-11.26	108.37	121.32
2	2Z	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	27	41	PHE	CD1-CG-CD2	11.26	135.49	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	4B	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	4N	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	4V	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	43	23	HIS	O-C-N	-11.26	108.37	121.32
2	43	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	47	23	HIS	O-C-N	-11.26	108.37	121.32
2	47	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	5B	23	HIS	O-C-N	-11.26	108.37	121.32
2	5B	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	5R	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	53	23	HIS	O-C-N	-11.26	108.37	121.32
2	53	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	57	23	HIS	O-C-N	-11.26	108.37	121.32
2	57	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	6B	23	HIS	O-C-N	-11.26	108.37	121.32
2	6B	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	6J	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	6R	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	7N	41	PHE	CD1-CG-CD2	11.26	135.49	118.60
2	1F	23	HIS	O-C-N	-11.26	108.38	121.32
2	1N	58	LEU	CD1-CG-CD2	11.26	135.57	110.80
2	1R	58	LEU	CD1-CG-CD2	11.26	135.56	110.80
2	1V	58	LEU	CD1-CG-CD2	11.26	135.56	110.80
2	1Z	58	LEU	CD1-CG-CD2	11.26	135.56	110.80
2	2J	58	LEU	CD1-CG-CD2	11.26	135.57	110.80
2	2N	23	HIS	O-C-N	-11.26	108.38	121.32
2	2R	58	LEU	CD1-CG-CD2	11.26	135.56	110.80
2	2V	58	LEU	CD1-CG-CD2	11.26	135.56	110.80
2	2Z	58	LEU	CD1-CG-CD2	11.26	135.56	110.80
2	23	23	HIS	O-C-N	-11.26	108.38	121.32
2	3B	58	LEU	CD1-CG-CD2	11.26	135.57	110.80
2	3J	58	LEU	CD1-CG-CD2	11.26	135.57	110.80
2	3N	23	HIS	O-C-N	-11.26	108.38	121.32
2	33	58	LEU	CD1-CG-CD2	11.26	135.57	110.80
2	37	23	HIS	O-C-N	-11.26	108.38	121.32
2	4F	58	LEU	CD1-CG-CD2	11.26	135.57	110.80
2	4J	23	HIS	O-C-N	-11.26	108.38	121.32
2	4R	23	HIS	O-C-N	-11.26	108.38	121.32
2	4Z	58	LEU	CD1-CG-CD2	11.26	135.57	110.80
2	43	58	LEU	CD1-CG-CD2	11.26	135.56	110.80
2	47	58	LEU	CD1-CG-CD2	11.26	135.56	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5B	58	LEU	CD1-CG-CD2	11.26	135.56	110.80
2	5V	58	LEU	CD1-CG-CD2	11.26	135.57	110.80
2	5Z	23	HIS	O-C-N	-11.26	108.38	121.32
2	53	58	LEU	CD1-CG-CD2	11.26	135.56	110.80
2	57	58	LEU	CD1-CG-CD2	11.26	135.56	110.80
2	6B	58	LEU	CD1-CG-CD2	11.26	135.56	110.80
2	6F	23	HIS	O-C-N	-11.26	108.38	121.32
2	6N	58	LEU	CD1-CG-CD2	11.26	135.57	110.80
2	6V	58	LEU	CD1-CG-CD2	11.26	135.57	110.80
2	6Z	23	HIS	O-C-N	-11.26	108.38	121.32
2	7F	58	LEU	CD1-CG-CD2	11.26	135.57	110.80
2	7J	23	HIS	O-C-N	-11.26	108.38	121.32
2	7R	58	LEU	CD1-CG-CD2	11.26	135.57	110.80
2	7V	23	HIS	O-C-N	-11.26	108.38	121.32
2	1F	41	PHE	CD1-CG-CD2	11.25	135.47	118.60
2	2N	41	PHE	CD1-CG-CD2	11.25	135.47	118.60
2	23	41	PHE	CD1-CG-CD2	11.25	135.47	118.60
2	3N	41	PHE	CD1-CG-CD2	11.25	135.47	118.60
2	37	41	PHE	CD1-CG-CD2	11.25	135.47	118.60
2	4J	41	PHE	CD1-CG-CD2	11.25	135.47	118.60
2	4R	41	PHE	CD1-CG-CD2	11.25	135.47	118.60
2	5Z	41	PHE	CD1-CG-CD2	11.25	135.47	118.60
2	6F	41	PHE	CD1-CG-CD2	11.25	135.47	118.60
2	6Z	41	PHE	CD1-CG-CD2	11.25	135.47	118.60
2	7J	41	PHE	CD1-CG-CD2	11.25	135.47	118.60
2	7V	41	PHE	CD1-CG-CD2	11.25	135.47	118.60
2	1B	23	HIS	O-C-N	-11.25	108.38	121.32
2	1J	23	HIS	O-C-N	-11.25	108.38	121.32
2	2F	23	HIS	O-C-N	-11.25	108.38	121.32
2	27	23	HIS	O-C-N	-11.25	108.38	121.32
2	3F	23	HIS	O-C-N	-11.25	108.38	121.32
2	4B	23	HIS	O-C-N	-11.25	108.38	121.32
2	4N	23	HIS	O-C-N	-11.25	108.38	121.32
2	4V	23	HIS	O-C-N	-11.25	108.38	121.32
2	5R	23	HIS	O-C-N	-11.25	108.38	121.32
2	6J	23	HIS	O-C-N	-11.25	108.38	121.32
2	6R	23	HIS	O-C-N	-11.25	108.38	121.32
2	7N	23	HIS	O-C-N	-11.25	108.38	121.32
2	13	26	ALA	CA-C-O	11.24	130.68	119.22
2	17	26	ALA	CA-C-O	11.24	130.68	119.22
2	2B	26	ALA	CA-C-O	11.24	130.68	119.22
2	3R	26	ALA	CA-C-O	11.24	130.68	119.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	26	ALA	CA-C-O	11.24	130.68	119.22
2	3Z	26	ALA	CA-C-O	11.24	130.68	119.22
2	5F	26	ALA	CA-C-O	11.24	130.68	119.22
2	5J	26	ALA	CA-C-O	11.24	130.68	119.22
2	5N	26	ALA	CA-C-O	11.24	130.68	119.22
2	63	26	ALA	CA-C-O	11.24	130.68	119.22
2	67	26	ALA	CA-C-O	11.24	130.68	119.22
2	7B	26	ALA	CA-C-O	11.24	130.68	119.22
1	12	38	PRO	CA-N-CD	11.24	127.73	112.00
1	16	38	PRO	CA-N-CD	11.24	127.73	112.00
1	2A	38	PRO	CA-N-CD	11.24	127.73	112.00
1	3Q	38	PRO	CA-N-CD	11.24	127.73	112.00
1	3U	38	PRO	CA-N-CD	11.24	127.73	112.00
1	3Y	38	PRO	CA-N-CD	11.24	127.73	112.00
1	5E	38	PRO	CA-N-CD	11.24	127.73	112.00
1	5I	38	PRO	CA-N-CD	11.24	127.73	112.00
1	5M	38	PRO	CA-N-CD	11.24	127.73	112.00
1	62	38	PRO	CA-N-CD	11.24	127.73	112.00
1	66	38	PRO	CA-N-CD	11.24	127.73	112.00
1	7A	38	PRO	CA-N-CD	11.24	127.73	112.00
1	12	181	THR	CA-C-O	-11.23	104.45	120.51
1	16	181	THR	CA-C-O	-11.23	104.45	120.51
1	2A	181	THR	CA-C-O	-11.23	104.45	120.51
1	3Q	181	THR	CA-C-O	-11.23	104.45	120.51
1	3U	181	THR	CA-C-O	-11.23	104.45	120.51
1	3Y	181	THR	CA-C-O	-11.23	104.45	120.51
1	5E	181	THR	CA-C-O	-11.23	104.45	120.51
1	5I	181	THR	CA-C-O	-11.23	104.45	120.51
1	5M	181	THR	CA-C-O	-11.23	104.45	120.51
1	62	181	THR	CA-C-O	-11.23	104.45	120.51
1	66	181	THR	CA-C-O	-11.23	104.45	120.51
1	7A	181	THR	CA-C-O	-11.23	104.45	120.51
1	1A	38	PRO	CA-N-CD	11.23	127.72	112.00
1	1I	38	PRO	CA-N-CD	11.23	127.72	112.00
1	1M	38	PRO	CA-N-CD	11.23	127.72	112.00
1	2I	38	PRO	CA-N-CD	11.23	127.72	112.00
1	3A	38	PRO	CA-N-CD	11.23	127.72	112.00
1	5U	38	PRO	CA-N-CD	11.23	127.72	112.00
1	6M	38	PRO	CA-N-CD	11.23	127.72	112.00
1	1M	181	THR	CA-C-O	-11.23	104.46	120.51
1	2E	38	PRO	CA-N-CD	11.23	127.72	112.00
1	2I	181	THR	CA-C-O	-11.23	104.46	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	26	38	PRO	CA-N-CD	11.23	127.72	112.00
1	3A	181	THR	CA-C-O	-11.23	104.46	120.51
1	3E	38	PRO	CA-N-CD	11.23	127.72	112.00
1	3I	38	PRO	CA-N-CD	11.23	127.72	112.00
1	32	38	PRO	CA-N-CD	11.23	127.72	112.00
1	4E	38	PRO	CA-N-CD	11.23	127.72	112.00
1	3I	181	THR	CA-C-O	-11.23	104.46	120.51
1	32	181	THR	CA-C-O	-11.23	104.46	120.51
1	4A	38	PRO	CA-N-CD	11.23	127.72	112.00
1	4E	181	THR	CA-C-O	-11.23	104.46	120.51
1	4M	38	PRO	CA-N-CD	11.23	127.72	112.00
1	4U	38	PRO	CA-N-CD	11.23	127.72	112.00
1	4Y	38	PRO	CA-N-CD	11.23	127.72	112.00
1	4Y	181	THR	CA-C-O	-11.23	104.46	120.51
1	5Q	38	PRO	CA-N-CD	11.23	127.72	112.00
1	5U	181	THR	CA-C-O	-11.23	104.46	120.51
1	6I	38	PRO	CA-N-CD	11.23	127.72	112.00
1	6M	181	THR	CA-C-O	-11.23	104.46	120.51
1	6Q	38	PRO	CA-N-CD	11.23	127.72	112.00
1	6U	38	PRO	CA-N-CD	11.23	127.72	112.00
1	7E	38	PRO	CA-N-CD	11.23	127.72	112.00
1	7Q	38	PRO	CA-N-CD	11.23	127.72	112.00
1	6U	181	THR	CA-C-O	-11.23	104.46	120.51
1	7E	181	THR	CA-C-O	-11.23	104.46	120.51
1	7M	38	PRO	CA-N-CD	11.23	127.72	112.00
1	7Q	181	THR	CA-C-O	-11.23	104.46	120.51
1	1E	38	PRO	CA-N-CD	11.22	127.70	112.00
1	1Q	181	THR	CA-C-O	-11.22	104.47	120.51
1	1U	181	THR	CA-C-O	-11.22	104.47	120.51
1	1Y	181	THR	CA-C-O	-11.22	104.47	120.51
1	2M	38	PRO	CA-N-CD	11.22	127.70	112.00
1	2Q	181	THR	CA-C-O	-11.22	104.47	120.51
1	2U	181	THR	CA-C-O	-11.22	104.47	120.51
1	2Y	181	THR	CA-C-O	-11.22	104.47	120.51
1	22	38	PRO	CA-N-CD	11.22	127.70	112.00
1	3M	38	PRO	CA-N-CD	11.22	127.70	112.00
1	36	38	PRO	CA-N-CD	11.22	127.70	112.00
1	4I	38	PRO	CA-N-CD	11.22	127.70	112.00
1	4Q	38	PRO	CA-N-CD	11.22	127.70	112.00
1	42	181	THR	CA-C-O	-11.22	104.47	120.51
1	46	181	THR	CA-C-O	-11.22	104.47	120.51
1	5A	181	THR	CA-C-O	-11.22	104.47	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	38	PRO	CA-N-CD	11.22	127.70	112.00
1	52	181	THR	CA-C-O	-11.22	104.47	120.51
1	56	181	THR	CA-C-O	-11.22	104.47	120.51
1	6A	181	THR	CA-C-O	-11.22	104.47	120.51
1	6E	38	PRO	CA-N-CD	11.22	127.70	112.00
1	6Y	38	PRO	CA-N-CD	11.22	127.70	112.00
1	7I	38	PRO	CA-N-CD	11.22	127.70	112.00
1	7U	38	PRO	CA-N-CD	11.22	127.70	112.00
1	1Q	19	SER	N-CA-C	-11.21	93.54	109.69
1	1U	19	SER	N-CA-C	-11.21	93.54	109.69
1	1Y	19	SER	N-CA-C	-11.21	93.54	109.69
1	2Q	19	SER	N-CA-C	-11.21	93.54	109.69
1	2U	19	SER	N-CA-C	-11.21	93.54	109.69
1	2Y	19	SER	N-CA-C	-11.21	93.54	109.69
1	42	19	SER	N-CA-C	-11.21	93.54	109.69
1	46	19	SER	N-CA-C	-11.21	93.54	109.69
1	5A	19	SER	N-CA-C	-11.21	93.54	109.69
1	52	19	SER	N-CA-C	-11.21	93.54	109.69
1	56	19	SER	N-CA-C	-11.21	93.54	109.69
1	6A	19	SER	N-CA-C	-11.21	93.54	109.69
1	1A	181	THR	CA-C-O	-11.20	104.49	120.51
1	1I	181	THR	CA-C-O	-11.20	104.49	120.51
1	2E	181	THR	CA-C-O	-11.20	104.49	120.51
1	26	181	THR	CA-C-O	-11.20	104.49	120.51
1	3E	181	THR	CA-C-O	-11.20	104.49	120.51
1	4A	181	THR	CA-C-O	-11.20	104.49	120.51
1	4M	181	THR	CA-C-O	-11.20	104.49	120.51
1	4U	181	THR	CA-C-O	-11.20	104.49	120.51
1	5Q	181	THR	CA-C-O	-11.20	104.49	120.51
1	6I	181	THR	CA-C-O	-11.20	104.49	120.51
1	6Q	181	THR	CA-C-O	-11.20	104.49	120.51
1	7M	181	THR	CA-C-O	-11.20	104.49	120.51
1	1E	181	THR	CA-C-O	-11.20	104.50	120.51
1	2M	181	THR	CA-C-O	-11.20	104.50	120.51
1	22	181	THR	CA-C-O	-11.20	104.50	120.51
1	3M	181	THR	CA-C-O	-11.20	104.50	120.51
1	36	181	THR	CA-C-O	-11.20	104.50	120.51
1	4I	181	THR	CA-C-O	-11.20	104.50	120.51
1	4Q	181	THR	CA-C-O	-11.20	104.50	120.51
1	5Y	181	THR	CA-C-O	-11.20	104.50	120.51
1	6E	181	THR	CA-C-O	-11.20	104.50	120.51
1	6Y	181	THR	CA-C-O	-11.20	104.50	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	181	THR	CA-C-O	-11.20	104.50	120.51
1	7U	181	THR	CA-C-O	-11.20	104.50	120.51
1	12	9	PHE	CB-CG-CD2	-11.19	101.68	120.70
1	16	9	PHE	CB-CG-CD2	-11.19	101.68	120.70
1	2A	9	PHE	CB-CG-CD2	-11.19	101.68	120.70
1	3Q	9	PHE	CB-CG-CD2	-11.19	101.68	120.70
1	3U	9	PHE	CB-CG-CD2	-11.19	101.68	120.70
1	3Y	9	PHE	CB-CG-CD2	-11.19	101.68	120.70
1	5E	9	PHE	CB-CG-CD2	-11.19	101.68	120.70
1	5I	9	PHE	CB-CG-CD2	-11.19	101.68	120.70
1	5M	9	PHE	CB-CG-CD2	-11.19	101.68	120.70
1	62	9	PHE	CB-CG-CD2	-11.19	101.68	120.70
1	66	9	PHE	CB-CG-CD2	-11.19	101.68	120.70
1	7A	9	PHE	CB-CG-CD2	-11.19	101.68	120.70
1	1E	182	PHE	CB-CG-CD1	-11.19	101.68	120.70
1	2M	182	PHE	CB-CG-CD1	-11.19	101.68	120.70
1	22	182	PHE	CB-CG-CD1	-11.19	101.68	120.70
1	3M	182	PHE	CB-CG-CD1	-11.19	101.68	120.70
1	36	182	PHE	CB-CG-CD1	-11.19	101.68	120.70
1	4I	182	PHE	CB-CG-CD1	-11.19	101.68	120.70
1	4Q	182	PHE	CB-CG-CD1	-11.19	101.68	120.70
1	5Y	182	PHE	CB-CG-CD1	-11.19	101.68	120.70
1	6E	182	PHE	CB-CG-CD1	-11.19	101.68	120.70
1	6Y	182	PHE	CB-CG-CD1	-11.19	101.68	120.70
1	7I	182	PHE	CB-CG-CD1	-11.19	101.68	120.70
1	7U	182	PHE	CB-CG-CD1	-11.19	101.68	120.70
1	1M	182	PHE	CB-CG-CD1	-11.18	101.69	120.70
1	2I	182	PHE	CB-CG-CD1	-11.18	101.69	120.70
1	3A	182	PHE	CB-CG-CD1	-11.18	101.69	120.70
1	3I	182	PHE	CB-CG-CD1	-11.18	101.69	120.70
1	32	182	PHE	CB-CG-CD1	-11.18	101.69	120.70
1	4E	182	PHE	CB-CG-CD1	-11.18	101.69	120.70
1	4Y	182	PHE	CB-CG-CD1	-11.18	101.69	120.70
1	5U	182	PHE	CB-CG-CD1	-11.18	101.69	120.70
1	6M	182	PHE	CB-CG-CD1	-11.18	101.69	120.70
1	6U	182	PHE	CB-CG-CD1	-11.18	101.69	120.70
1	7E	182	PHE	CB-CG-CD1	-11.18	101.69	120.70
1	7Q	182	PHE	CB-CG-CD1	-11.18	101.69	120.70
1	1A	19	SER	N-CA-C	-11.18	93.59	109.69
2	1F	28	THR	OG1-CB-CG2	-11.18	86.94	109.30
1	1I	19	SER	N-CA-C	-11.18	93.59	109.69
2	2N	28	THR	OG1-CB-CG2	-11.18	86.94	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	28	THR	OG1-CB-CG2	-11.18	86.94	109.30
2	37	28	THR	OG1-CB-CG2	-11.18	86.94	109.30
2	4R	28	THR	OG1-CB-CG2	-11.18	86.94	109.30
2	6F	28	THR	OG1-CB-CG2	-11.18	86.94	109.30
2	6Z	28	THR	OG1-CB-CG2	-11.18	86.94	109.30
2	7J	28	THR	OG1-CB-CG2	-11.18	86.94	109.30
2	7V	28	THR	OG1-CB-CG2	-11.18	86.94	109.30
1	1M	19	SER	N-CA-C	-11.18	93.59	109.69
1	12	182	PHE	CB-CG-CD1	-11.18	101.70	120.70
1	16	182	PHE	CB-CG-CD1	-11.18	101.70	120.70
1	2A	182	PHE	CB-CG-CD1	-11.18	101.70	120.70
1	2E	19	SER	N-CA-C	-11.18	93.59	109.69
1	2I	19	SER	N-CA-C	-11.18	93.59	109.69
1	26	19	SER	N-CA-C	-11.18	93.59	109.69
1	3A	19	SER	N-CA-C	-11.18	93.59	109.69
1	3E	19	SER	N-CA-C	-11.18	93.59	109.69
2	3N	28	THR	OG1-CB-CG2	-11.18	86.94	109.30
2	4J	28	THR	OG1-CB-CG2	-11.18	86.94	109.30
1	3I	19	SER	N-CA-C	-11.18	93.59	109.69
1	3Q	182	PHE	CB-CG-CD1	-11.18	101.70	120.70
1	3U	182	PHE	CB-CG-CD1	-11.18	101.70	120.70
1	3Y	182	PHE	CB-CG-CD1	-11.18	101.70	120.70
1	32	19	SER	N-CA-C	-11.18	93.59	109.69
1	4A	19	SER	N-CA-C	-11.18	93.59	109.69
1	4E	19	SER	N-CA-C	-11.18	93.59	109.69
1	4M	19	SER	N-CA-C	-11.18	93.59	109.69
1	4U	19	SER	N-CA-C	-11.18	93.59	109.69
2	5Z	28	THR	OG1-CB-CG2	-11.18	86.94	109.30
1	4Y	19	SER	N-CA-C	-11.18	93.59	109.69
1	5E	182	PHE	CB-CG-CD1	-11.18	101.70	120.70
1	5I	182	PHE	CB-CG-CD1	-11.18	101.70	120.70
1	5M	182	PHE	CB-CG-CD1	-11.18	101.70	120.70
1	5Q	19	SER	N-CA-C	-11.18	93.59	109.69
1	5U	19	SER	N-CA-C	-11.18	93.59	109.69
1	6I	19	SER	N-CA-C	-11.18	93.59	109.69
1	6M	19	SER	N-CA-C	-11.18	93.59	109.69
1	6Q	19	SER	N-CA-C	-11.18	93.59	109.69
1	6U	19	SER	N-CA-C	-11.18	93.59	109.69
1	62	182	PHE	CB-CG-CD1	-11.18	101.70	120.70
1	66	182	PHE	CB-CG-CD1	-11.18	101.70	120.70
1	7A	182	PHE	CB-CG-CD1	-11.18	101.70	120.70
1	7E	19	SER	N-CA-C	-11.18	93.59	109.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	19	SER	N-CA-C	-11.18	93.59	109.69
1	7Q	19	SER	N-CA-C	-11.18	93.59	109.69
1	1E	155	PRO	CA-C-N	11.18	142.89	121.54
1	1E	155	PRO	C-N-CA	11.18	142.89	121.54
1	12	19	SER	N-CA-C	-11.18	93.60	109.69
1	2M	155	PRO	CA-C-N	11.18	142.89	121.54
1	22	155	PRO	CA-C-N	11.18	142.89	121.54
1	4I	155	PRO	CA-C-N	11.18	142.89	121.54
2	13	28	THR	OG1-CB-CG2	-11.18	86.95	109.30
1	16	19	SER	N-CA-C	-11.18	93.60	109.69
2	17	28	THR	OG1-CB-CG2	-11.18	86.95	109.30
1	2A	19	SER	N-CA-C	-11.18	93.60	109.69
1	2M	155	PRO	C-N-CA	11.18	142.89	121.54
1	22	155	PRO	C-N-CA	11.18	142.89	121.54
1	3M	155	PRO	CA-C-N	11.18	142.89	121.54
1	3M	155	PRO	C-N-CA	11.18	142.89	121.54
1	4Q	155	PRO	CA-C-N	11.18	142.89	121.54
1	5Y	155	PRO	CA-C-N	11.18	142.89	121.54
1	6E	155	PRO	CA-C-N	11.18	142.89	121.54
1	7U	155	PRO	CA-C-N	11.18	142.89	121.54
2	2B	28	THR	OG1-CB-CG2	-11.18	86.95	109.30
1	3Q	19	SER	N-CA-C	-11.18	93.60	109.69
2	3R	28	THR	OG1-CB-CG2	-11.18	86.95	109.30
1	3U	19	SER	N-CA-C	-11.18	93.60	109.69
2	3V	28	THR	OG1-CB-CG2	-11.18	86.95	109.30
1	3Y	19	SER	N-CA-C	-11.18	93.60	109.69
1	36	155	PRO	CA-C-N	11.18	142.89	121.54
1	36	155	PRO	C-N-CA	11.18	142.89	121.54
1	4I	155	PRO	C-N-CA	11.18	142.89	121.54
1	4Q	155	PRO	C-N-CA	11.18	142.89	121.54
2	3Z	28	THR	OG1-CB-CG2	-11.18	86.95	109.30
1	5E	19	SER	N-CA-C	-11.18	93.60	109.69
2	5F	28	THR	OG1-CB-CG2	-11.18	86.95	109.30
1	5I	19	SER	N-CA-C	-11.18	93.60	109.69
2	5J	28	THR	OG1-CB-CG2	-11.18	86.95	109.30
1	5M	19	SER	N-CA-C	-11.18	93.60	109.69
1	5Y	155	PRO	C-N-CA	11.18	142.89	121.54
1	6E	155	PRO	C-N-CA	11.18	142.89	121.54
1	6Y	155	PRO	CA-C-N	11.18	142.89	121.54
1	6Y	155	PRO	C-N-CA	11.18	142.89	121.54
2	5N	28	THR	OG1-CB-CG2	-11.18	86.95	109.30
1	62	19	SER	N-CA-C	-11.18	93.60	109.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	63	28	THR	OG1-CB-CG2	-11.18	86.95	109.30
1	66	19	SER	N-CA-C	-11.18	93.60	109.69
2	67	28	THR	OG1-CB-CG2	-11.18	86.95	109.30
1	7A	19	SER	N-CA-C	-11.18	93.60	109.69
1	7I	155	PRO	CA-C-N	11.18	142.89	121.54
1	7I	155	PRO	C-N-CA	11.18	142.89	121.54
1	7U	155	PRO	C-N-CA	11.18	142.89	121.54
2	7B	28	THR	OG1-CB-CG2	-11.18	86.95	109.30
1	1A	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	1B	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	1I	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	1J	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	1Q	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	1R	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	1U	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	1V	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	1Y	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	1Z	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	2E	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	2F	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	2Q	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	2R	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	2U	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	2V	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	2Y	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	2Z	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	26	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	27	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	3E	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	3F	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	4A	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	4B	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	4M	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	4N	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	4U	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	4V	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	42	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	43	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	46	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	47	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	5A	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	5B	28	THR	OG1-CB-CG2	-11.17	86.95	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Q	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	5R	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	52	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	53	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	56	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	57	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	6A	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	6B	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	6I	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	6J	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	6Q	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	6R	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	7M	182	PHE	CB-CG-CD1	-11.17	101.70	120.70
2	7N	28	THR	OG1-CB-CG2	-11.17	86.95	109.30
1	1Q	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	1U	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	1Y	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	2Q	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	2U	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	2Y	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	42	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	46	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	5A	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	52	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	56	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	6A	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	1E	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	2M	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	22	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	3M	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	36	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	4I	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	4Q	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	5Y	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	6E	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	6Y	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	7I	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
1	7U	9	PHE	CB-CG-CD2	-11.17	101.71	120.70
2	1N	28	THR	OG1-CB-CG2	-11.16	86.97	109.30
2	2J	28	THR	OG1-CB-CG2	-11.16	86.97	109.30
2	3B	28	THR	OG1-CB-CG2	-11.16	86.97	109.30
2	3J	28	THR	OG1-CB-CG2	-11.16	86.97	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	28	THR	OG1-CB-CG2	-11.16	86.97	109.30
2	4F	28	THR	OG1-CB-CG2	-11.16	86.97	109.30
2	4Z	28	THR	OG1-CB-CG2	-11.16	86.97	109.30
2	5V	28	THR	OG1-CB-CG2	-11.16	86.97	109.30
2	6N	28	THR	OG1-CB-CG2	-11.16	86.97	109.30
2	6V	28	THR	OG1-CB-CG2	-11.16	86.97	109.30
2	7F	28	THR	OG1-CB-CG2	-11.16	86.97	109.30
2	7R	28	THR	OG1-CB-CG2	-11.16	86.97	109.30
1	1A	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	1I	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	1M	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	1Q	155	PRO	CA-C-N	11.16	142.86	121.54
1	1Q	155	PRO	C-N-CA	11.16	142.86	121.54
1	1U	155	PRO	CA-C-N	11.16	142.86	121.54
1	1U	155	PRO	C-N-CA	11.16	142.86	121.54
1	1Y	155	PRO	CA-C-N	11.16	142.86	121.54
1	1Y	155	PRO	C-N-CA	11.16	142.86	121.54
1	12	155	PRO	CA-C-N	11.16	142.86	121.54
1	12	155	PRO	C-N-CA	11.16	142.86	121.54
1	16	155	PRO	CA-C-N	11.16	142.86	121.54
1	16	155	PRO	C-N-CA	11.16	142.86	121.54
1	2A	155	PRO	CA-C-N	11.16	142.86	121.54
1	2A	155	PRO	C-N-CA	11.16	142.86	121.54
1	2E	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	2I	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	2Q	155	PRO	CA-C-N	11.16	142.86	121.54
1	2Q	155	PRO	C-N-CA	11.16	142.86	121.54
1	2U	155	PRO	CA-C-N	11.16	142.86	121.54
1	2U	155	PRO	C-N-CA	11.16	142.86	121.54
1	2Y	155	PRO	CA-C-N	11.16	142.86	121.54
1	2Y	155	PRO	C-N-CA	11.16	142.86	121.54
1	26	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	3A	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	3E	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	3I	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	3Q	155	PRO	CA-C-N	11.16	142.86	121.54
1	3Q	155	PRO	C-N-CA	11.16	142.86	121.54
1	3U	155	PRO	CA-C-N	11.16	142.86	121.54
1	3U	155	PRO	C-N-CA	11.16	142.86	121.54
1	3Y	155	PRO	CA-C-N	11.16	142.86	121.54
1	3Y	155	PRO	C-N-CA	11.16	142.86	121.54
1	32	9	PHE	CB-CG-CD2	-11.16	101.73	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	4E	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	4M	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	4U	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	4Y	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	42	155	PRO	CA-C-N	11.16	142.86	121.54
1	42	155	PRO	C-N-CA	11.16	142.86	121.54
1	46	155	PRO	CA-C-N	11.16	142.86	121.54
1	46	155	PRO	C-N-CA	11.16	142.86	121.54
1	5A	155	PRO	CA-C-N	11.16	142.86	121.54
1	5A	155	PRO	C-N-CA	11.16	142.86	121.54
1	5E	155	PRO	CA-C-N	11.16	142.86	121.54
1	5E	155	PRO	C-N-CA	11.16	142.86	121.54
1	5I	155	PRO	CA-C-N	11.16	142.86	121.54
1	5I	155	PRO	C-N-CA	11.16	142.86	121.54
1	5M	155	PRO	CA-C-N	11.16	142.86	121.54
1	5M	155	PRO	C-N-CA	11.16	142.86	121.54
1	5Q	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	5U	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	52	155	PRO	CA-C-N	11.16	142.86	121.54
1	52	155	PRO	C-N-CA	11.16	142.86	121.54
1	56	155	PRO	CA-C-N	11.16	142.86	121.54
1	56	155	PRO	C-N-CA	11.16	142.86	121.54
1	6A	155	PRO	CA-C-N	11.16	142.86	121.54
1	6A	155	PRO	C-N-CA	11.16	142.86	121.54
1	6I	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	6M	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	6Q	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	6U	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	62	155	PRO	CA-C-N	11.16	142.86	121.54
1	62	155	PRO	C-N-CA	11.16	142.86	121.54
1	66	155	PRO	CA-C-N	11.16	142.86	121.54
1	66	155	PRO	C-N-CA	11.16	142.86	121.54
1	7A	155	PRO	CA-C-N	11.16	142.86	121.54
1	7A	155	PRO	C-N-CA	11.16	142.86	121.54
1	7E	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	7M	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	7Q	9	PHE	CB-CG-CD2	-11.16	101.73	120.70
1	1E	19	SER	N-CA-C	-11.15	93.63	109.69
1	2M	19	SER	N-CA-C	-11.15	93.63	109.69
1	22	19	SER	N-CA-C	-11.15	93.63	109.69
1	3M	19	SER	N-CA-C	-11.15	93.63	109.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	19	SER	N-CA-C	-11.15	93.63	109.69
1	4I	19	SER	N-CA-C	-11.15	93.63	109.69
1	4Q	19	SER	N-CA-C	-11.15	93.63	109.69
1	5Y	19	SER	N-CA-C	-11.15	93.63	109.69
1	6E	19	SER	N-CA-C	-11.15	93.63	109.69
1	6Y	19	SER	N-CA-C	-11.15	93.63	109.69
1	7I	19	SER	N-CA-C	-11.15	93.63	109.69
1	7U	19	SER	N-CA-C	-11.15	93.63	109.69
1	1A	155	PRO	CA-C-N	11.15	142.83	121.54
1	1A	155	PRO	C-N-CA	11.15	142.83	121.54
1	1I	155	PRO	CA-C-N	11.15	142.83	121.54
1	1I	155	PRO	C-N-CA	11.15	142.83	121.54
1	2E	155	PRO	CA-C-N	11.15	142.83	121.54
1	2E	155	PRO	C-N-CA	11.15	142.83	121.54
1	26	155	PRO	CA-C-N	11.15	142.83	121.54
1	26	155	PRO	C-N-CA	11.15	142.83	121.54
1	3E	155	PRO	CA-C-N	11.15	142.83	121.54
1	3E	155	PRO	C-N-CA	11.15	142.83	121.54
1	4A	155	PRO	CA-C-N	11.15	142.83	121.54
1	4A	155	PRO	C-N-CA	11.15	142.83	121.54
1	4M	155	PRO	CA-C-N	11.15	142.83	121.54
1	4M	155	PRO	C-N-CA	11.15	142.83	121.54
1	4U	155	PRO	CA-C-N	11.15	142.83	121.54
1	4U	155	PRO	C-N-CA	11.15	142.83	121.54
1	5Q	155	PRO	CA-C-N	11.15	142.83	121.54
1	5Q	155	PRO	C-N-CA	11.15	142.83	121.54
1	6I	155	PRO	CA-C-N	11.15	142.83	121.54
1	6I	155	PRO	C-N-CA	11.15	142.83	121.54
1	6Q	155	PRO	CA-C-N	11.15	142.83	121.54
1	6Q	155	PRO	C-N-CA	11.15	142.83	121.54
1	7M	155	PRO	CA-C-N	11.15	142.83	121.54
1	7M	155	PRO	C-N-CA	11.15	142.83	121.54
2	1N	72	ARG	NH1-CZ-NH2	11.14	133.79	119.30
2	2J	72	ARG	NH1-CZ-NH2	11.14	133.79	119.30
2	3B	72	ARG	NH1-CZ-NH2	11.14	133.79	119.30
2	3J	72	ARG	NH1-CZ-NH2	11.14	133.79	119.30
2	33	72	ARG	NH1-CZ-NH2	11.14	133.79	119.30
2	4F	72	ARG	NH1-CZ-NH2	11.14	133.79	119.30
2	4Z	72	ARG	NH1-CZ-NH2	11.14	133.79	119.30
2	5V	72	ARG	NH1-CZ-NH2	11.14	133.79	119.30
2	6N	72	ARG	NH1-CZ-NH2	11.14	133.79	119.30
2	6V	72	ARG	NH1-CZ-NH2	11.14	133.79	119.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	72	ARG	NH1-CZ-NH2	11.14	133.79	119.30
2	7R	72	ARG	NH1-CZ-NH2	11.14	133.79	119.30
1	1M	155	PRO	CA-C-N	11.14	142.82	121.54
1	1M	155	PRO	C-N-CA	11.14	142.82	121.54
1	2I	155	PRO	CA-C-N	11.14	142.82	121.54
1	2I	155	PRO	C-N-CA	11.14	142.82	121.54
1	3A	155	PRO	CA-C-N	11.14	142.82	121.54
1	3A	155	PRO	C-N-CA	11.14	142.82	121.54
1	3I	155	PRO	CA-C-N	11.14	142.82	121.54
1	3I	155	PRO	C-N-CA	11.14	142.82	121.54
1	32	155	PRO	CA-C-N	11.14	142.82	121.54
1	32	155	PRO	C-N-CA	11.14	142.82	121.54
1	4E	155	PRO	CA-C-N	11.14	142.82	121.54
1	4E	155	PRO	C-N-CA	11.14	142.82	121.54
1	4Y	155	PRO	CA-C-N	11.14	142.82	121.54
1	4Y	155	PRO	C-N-CA	11.14	142.82	121.54
1	5U	155	PRO	CA-C-N	11.14	142.82	121.54
1	5U	155	PRO	C-N-CA	11.14	142.82	121.54
1	6M	155	PRO	CA-C-N	11.14	142.82	121.54
1	6M	155	PRO	C-N-CA	11.14	142.82	121.54
1	6U	155	PRO	CA-C-N	11.14	142.82	121.54
1	6U	155	PRO	C-N-CA	11.14	142.82	121.54
1	7E	155	PRO	CA-C-N	11.14	142.82	121.54
1	7E	155	PRO	C-N-CA	11.14	142.82	121.54
1	7Q	155	PRO	CA-C-N	11.14	142.82	121.54
1	7Q	155	PRO	C-N-CA	11.14	142.82	121.54
2	1B	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	1J	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	1R	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	1V	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	1Z	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	2F	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	2R	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	2V	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	2Z	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	27	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	3F	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	4B	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	4N	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	4V	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	43	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	47	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5B	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	5R	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	53	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	57	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	6B	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	6J	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	6R	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
2	7N	72	ARG	NH1-CZ-NH2	11.13	133.77	119.30
1	12	88	GLY	O-C-N	11.12	133.14	122.13
2	13	72	ARG	NH1-CZ-NH2	11.12	133.76	119.30
1	16	88	GLY	O-C-N	11.12	133.14	122.13
2	17	72	ARG	NH1-CZ-NH2	11.12	133.76	119.30
1	2A	88	GLY	O-C-N	11.12	133.14	122.13
2	2B	72	ARG	NH1-CZ-NH2	11.12	133.76	119.30
1	3Q	88	GLY	O-C-N	11.12	133.14	122.13
2	3R	72	ARG	NH1-CZ-NH2	11.12	133.76	119.30
1	3U	88	GLY	O-C-N	11.12	133.14	122.13
2	3V	72	ARG	NH1-CZ-NH2	11.12	133.76	119.30
1	3Y	88	GLY	O-C-N	11.12	133.14	122.13
2	3Z	72	ARG	NH1-CZ-NH2	11.12	133.76	119.30
1	5E	88	GLY	O-C-N	11.12	133.14	122.13
2	5F	72	ARG	NH1-CZ-NH2	11.12	133.76	119.30
1	5I	88	GLY	O-C-N	11.12	133.14	122.13
2	5J	72	ARG	NH1-CZ-NH2	11.12	133.76	119.30
1	5M	88	GLY	O-C-N	11.12	133.14	122.13
2	5N	72	ARG	NH1-CZ-NH2	11.12	133.76	119.30
1	62	88	GLY	O-C-N	11.12	133.14	122.13
2	63	72	ARG	NH1-CZ-NH2	11.12	133.76	119.30
1	66	88	GLY	O-C-N	11.12	133.14	122.13
2	67	72	ARG	NH1-CZ-NH2	11.12	133.76	119.30
1	7A	88	GLY	O-C-N	11.12	133.14	122.13
2	7B	72	ARG	NH1-CZ-NH2	11.12	133.76	119.30
1	1A	88	GLY	O-C-N	11.11	133.13	122.13
1	1I	88	GLY	O-C-N	11.11	133.13	122.13
1	2E	88	GLY	O-C-N	11.11	133.13	122.13
1	26	88	GLY	O-C-N	11.11	133.13	122.13
1	3E	88	GLY	O-C-N	11.11	133.13	122.13
1	4A	88	GLY	O-C-N	11.11	133.13	122.13
1	4M	88	GLY	O-C-N	11.11	133.13	122.13
1	4U	88	GLY	O-C-N	11.11	133.13	122.13
1	5Q	88	GLY	O-C-N	11.11	133.13	122.13
1	6I	88	GLY	O-C-N	11.11	133.13	122.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	88	GLY	O-C-N	11.11	133.13	122.13
1	7M	88	GLY	O-C-N	11.11	133.13	122.13
2	1F	72	ARG	NH1-CZ-NH2	11.10	133.73	119.30
2	2N	72	ARG	NH1-CZ-NH2	11.10	133.73	119.30
2	23	72	ARG	NH1-CZ-NH2	11.10	133.73	119.30
2	3N	72	ARG	NH1-CZ-NH2	11.10	133.73	119.30
2	37	72	ARG	NH1-CZ-NH2	11.10	133.73	119.30
2	4J	72	ARG	NH1-CZ-NH2	11.10	133.73	119.30
2	4R	72	ARG	NH1-CZ-NH2	11.10	133.73	119.30
2	5Z	72	ARG	NH1-CZ-NH2	11.10	133.73	119.30
2	6F	72	ARG	NH1-CZ-NH2	11.10	133.73	119.30
2	6Z	72	ARG	NH1-CZ-NH2	11.10	133.73	119.30
2	7J	72	ARG	NH1-CZ-NH2	11.10	133.73	119.30
2	7V	72	ARG	NH1-CZ-NH2	11.10	133.73	119.30
1	1Q	155	PRO	CA-CB-CG	-11.09	83.44	104.50
1	1U	155	PRO	CA-CB-CG	-11.09	83.44	104.50
1	1Y	155	PRO	CA-CB-CG	-11.09	83.44	104.50
1	2Q	155	PRO	CA-CB-CG	-11.09	83.44	104.50
1	2U	155	PRO	CA-CB-CG	-11.09	83.44	104.50
1	2Y	155	PRO	CA-CB-CG	-11.09	83.44	104.50
1	42	155	PRO	CA-CB-CG	-11.09	83.44	104.50
1	46	155	PRO	CA-CB-CG	-11.09	83.44	104.50
1	5A	155	PRO	CA-CB-CG	-11.09	83.44	104.50
1	52	155	PRO	CA-CB-CG	-11.09	83.44	104.50
1	56	155	PRO	CA-CB-CG	-11.09	83.44	104.50
1	6A	155	PRO	CA-CB-CG	-11.09	83.44	104.50
2	13	74	TYR	CZ-CE2-CD2	11.08	139.55	119.60
2	17	74	TYR	CZ-CE2-CD2	11.08	139.55	119.60
2	2B	74	TYR	CZ-CE2-CD2	11.08	139.55	119.60
2	3R	74	TYR	CZ-CE2-CD2	11.08	139.55	119.60
2	3V	74	TYR	CZ-CE2-CD2	11.08	139.55	119.60
2	3Z	74	TYR	CZ-CE2-CD2	11.08	139.55	119.60
2	5F	74	TYR	CZ-CE2-CD2	11.08	139.55	119.60
2	5J	74	TYR	CZ-CE2-CD2	11.08	139.55	119.60
2	5N	74	TYR	CZ-CE2-CD2	11.08	139.55	119.60
2	63	74	TYR	CZ-CE2-CD2	11.08	139.55	119.60
2	67	74	TYR	CZ-CE2-CD2	11.08	139.55	119.60
2	7B	74	TYR	CZ-CE2-CD2	11.08	139.55	119.60
1	1A	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	1E	88	GLY	O-C-N	11.08	133.10	122.13
1	1I	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	2E	155	PRO	CA-CB-CG	-11.08	83.45	104.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	88	GLY	O-C-N	11.08	133.10	122.13
1	22	88	GLY	O-C-N	11.08	133.10	122.13
1	26	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	3E	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	3M	88	GLY	O-C-N	11.08	133.10	122.13
1	36	88	GLY	O-C-N	11.08	133.10	122.13
1	4A	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	4I	88	GLY	O-C-N	11.08	133.10	122.13
1	4M	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	4Q	88	GLY	O-C-N	11.08	133.10	122.13
1	4U	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	5Q	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	5Y	88	GLY	O-C-N	11.08	133.10	122.13
1	6E	88	GLY	O-C-N	11.08	133.10	122.13
1	6I	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	6Q	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	6Y	88	GLY	O-C-N	11.08	133.10	122.13
1	7I	88	GLY	O-C-N	11.08	133.10	122.13
1	7M	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	7U	88	GLY	O-C-N	11.08	133.10	122.13
1	1M	88	GLY	O-C-N	11.08	133.09	122.13
1	12	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	16	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	2A	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	2I	88	GLY	O-C-N	11.08	133.09	122.13
1	3A	88	GLY	O-C-N	11.08	133.09	122.13
1	3I	88	GLY	O-C-N	11.08	133.09	122.13
1	3Q	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	3U	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	3Y	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	32	88	GLY	O-C-N	11.08	133.09	122.13
1	4E	88	GLY	O-C-N	11.08	133.09	122.13
1	4Y	88	GLY	O-C-N	11.08	133.09	122.13
1	5E	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	5I	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	5M	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	5U	88	GLY	O-C-N	11.08	133.09	122.13
1	6M	88	GLY	O-C-N	11.08	133.09	122.13
1	6U	88	GLY	O-C-N	11.08	133.09	122.13
1	62	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	66	155	PRO	CA-CB-CG	-11.08	83.45	104.50
1	7A	155	PRO	CA-CB-CG	-11.08	83.45	104.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	88	GLY	O-C-N	11.08	133.09	122.13
1	7Q	88	GLY	O-C-N	11.08	133.09	122.13
1	1E	155	PRO	CA-CB-CG	-11.07	83.46	104.50
1	2M	155	PRO	CA-CB-CG	-11.07	83.46	104.50
1	22	155	PRO	CA-CB-CG	-11.07	83.46	104.50
1	3M	155	PRO	CA-CB-CG	-11.07	83.46	104.50
1	36	155	PRO	CA-CB-CG	-11.07	83.46	104.50
1	4I	155	PRO	CA-CB-CG	-11.07	83.46	104.50
1	4Q	155	PRO	CA-CB-CG	-11.07	83.46	104.50
1	5Y	155	PRO	CA-CB-CG	-11.07	83.46	104.50
1	6E	155	PRO	CA-CB-CG	-11.07	83.46	104.50
1	6Y	155	PRO	CA-CB-CG	-11.07	83.46	104.50
1	7I	155	PRO	CA-CB-CG	-11.07	83.46	104.50
1	7U	155	PRO	CA-CB-CG	-11.07	83.46	104.50
1	1M	155	PRO	CA-CB-CG	-11.07	83.47	104.50
1	2I	155	PRO	CA-CB-CG	-11.07	83.47	104.50
1	3A	155	PRO	CA-CB-CG	-11.07	83.47	104.50
1	3I	155	PRO	CA-CB-CG	-11.07	83.47	104.50
1	32	155	PRO	CA-CB-CG	-11.07	83.47	104.50
1	4E	155	PRO	CA-CB-CG	-11.07	83.47	104.50
1	4Y	155	PRO	CA-CB-CG	-11.07	83.47	104.50
1	5U	155	PRO	CA-CB-CG	-11.07	83.47	104.50
1	6M	155	PRO	CA-CB-CG	-11.07	83.47	104.50
1	6U	155	PRO	CA-CB-CG	-11.07	83.47	104.50
1	7E	155	PRO	CA-CB-CG	-11.07	83.47	104.50
1	7Q	155	PRO	CA-CB-CG	-11.07	83.47	104.50
1	1A	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	1I	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	2E	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	26	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	3E	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	4A	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	4M	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	4U	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	5Q	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	6I	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	6Q	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	7M	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	1Q	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	1U	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	1Y	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	2Q	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	2Y	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	42	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	46	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	5A	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	52	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	56	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	6A	65	PHE	CD1-CE1-CZ	-11.06	100.09	120.00
1	1E	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	1M	65	PHE	CD1-CE1-CZ	-11.05	100.10	120.00
1	12	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	16	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	2A	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	2I	65	PHE	CD1-CE1-CZ	-11.05	100.10	120.00
1	2M	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	22	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	3A	65	PHE	CD1-CE1-CZ	-11.05	100.10	120.00
1	3I	65	PHE	CD1-CE1-CZ	-11.05	100.10	120.00
1	3M	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	3Q	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	3U	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	3Y	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	32	65	PHE	CD1-CE1-CZ	-11.05	100.10	120.00
1	36	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	4E	65	PHE	CD1-CE1-CZ	-11.05	100.10	120.00
1	4I	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	4Q	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	4Y	65	PHE	CD1-CE1-CZ	-11.05	100.10	120.00
1	5E	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	5I	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	5M	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	5U	65	PHE	CD1-CE1-CZ	-11.05	100.10	120.00
1	5Y	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	6E	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	6M	65	PHE	CD1-CE1-CZ	-11.05	100.10	120.00
1	6U	65	PHE	CD1-CE1-CZ	-11.05	100.10	120.00
1	6Y	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	62	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	66	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	7A	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
1	7E	65	PHE	CD1-CE1-CZ	-11.05	100.10	120.00
1	7I	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	65	PHE	CD1-CE1-CZ	-11.05	100.10	120.00
1	7U	65	PHE	CD1-CE1-CZ	-11.06	100.10	120.00
2	1R	28	THR	CB-CA-C	-11.05	91.88	110.56
2	1V	28	THR	CB-CA-C	-11.05	91.88	110.56
2	1Z	28	THR	CB-CA-C	-11.05	91.88	110.56
2	2R	28	THR	CB-CA-C	-11.05	91.88	110.56
2	2V	28	THR	CB-CA-C	-11.05	91.88	110.56
2	2Z	28	THR	CB-CA-C	-11.05	91.88	110.56
2	43	28	THR	CB-CA-C	-11.05	91.88	110.56
2	47	28	THR	CB-CA-C	-11.05	91.88	110.56
2	5B	28	THR	CB-CA-C	-11.05	91.88	110.56
2	53	28	THR	CB-CA-C	-11.05	91.88	110.56
2	57	28	THR	CB-CA-C	-11.05	91.88	110.56
2	6B	28	THR	CB-CA-C	-11.05	91.88	110.56
2	1N	28	THR	CB-CA-C	-11.05	91.89	110.56
2	2J	28	THR	CB-CA-C	-11.05	91.89	110.56
2	3B	28	THR	CB-CA-C	-11.05	91.89	110.56
2	3J	28	THR	CB-CA-C	-11.05	91.89	110.56
2	33	28	THR	CB-CA-C	-11.05	91.89	110.56
2	4F	28	THR	CB-CA-C	-11.05	91.89	110.56
2	4Z	28	THR	CB-CA-C	-11.05	91.89	110.56
2	5V	28	THR	CB-CA-C	-11.05	91.89	110.56
2	6N	28	THR	CB-CA-C	-11.05	91.89	110.56
2	6V	28	THR	CB-CA-C	-11.05	91.89	110.56
2	7F	28	THR	CB-CA-C	-11.05	91.89	110.56
2	7R	28	THR	CB-CA-C	-11.05	91.89	110.56
1	1Q	88	GLY	O-C-N	11.05	133.07	122.13
1	1U	88	GLY	O-C-N	11.05	133.07	122.13
1	1Y	88	GLY	O-C-N	11.05	133.07	122.13
1	2Q	88	GLY	O-C-N	11.05	133.07	122.13
1	2U	88	GLY	O-C-N	11.05	133.07	122.13
1	2Y	88	GLY	O-C-N	11.05	133.07	122.13
1	42	88	GLY	O-C-N	11.05	133.07	122.13
1	46	88	GLY	O-C-N	11.05	133.07	122.13
1	5A	88	GLY	O-C-N	11.05	133.07	122.13
1	52	88	GLY	O-C-N	11.05	133.07	122.13
1	56	88	GLY	O-C-N	11.05	133.07	122.13
1	6A	88	GLY	O-C-N	11.05	133.07	122.13
2	1R	227	TYR	CE1-CZ-OH	-11.04	86.79	119.90
2	1V	227	TYR	CE1-CZ-OH	-11.04	86.79	119.90
2	1Z	227	TYR	CE1-CZ-OH	-11.04	86.79	119.90
2	2R	227	TYR	CE1-CZ-OH	-11.04	86.79	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	227	TYR	CE1-CZ-OH	-11.04	86.79	119.90
2	2Z	227	TYR	CE1-CZ-OH	-11.04	86.79	119.90
2	43	227	TYR	CE1-CZ-OH	-11.04	86.79	119.90
2	47	227	TYR	CE1-CZ-OH	-11.04	86.79	119.90
2	5B	227	TYR	CE1-CZ-OH	-11.04	86.79	119.90
2	53	227	TYR	CE1-CZ-OH	-11.04	86.79	119.90
2	57	227	TYR	CE1-CZ-OH	-11.04	86.79	119.90
2	6B	227	TYR	CE1-CZ-OH	-11.04	86.79	119.90
2	1B	28	THR	CB-CA-C	-11.04	91.91	110.56
2	1F	28	THR	CB-CA-C	-11.04	91.91	110.56
2	1J	28	THR	CB-CA-C	-11.04	91.91	110.56
2	2F	28	THR	CB-CA-C	-11.04	91.91	110.56
2	2N	28	THR	CB-CA-C	-11.04	91.91	110.56
2	23	28	THR	CB-CA-C	-11.04	91.91	110.56
2	27	28	THR	CB-CA-C	-11.04	91.91	110.56
2	3F	28	THR	CB-CA-C	-11.04	91.91	110.56
2	3N	28	THR	CB-CA-C	-11.04	91.91	110.56
2	37	28	THR	CB-CA-C	-11.04	91.91	110.56
2	4B	28	THR	CB-CA-C	-11.04	91.91	110.56
2	4J	28	THR	CB-CA-C	-11.04	91.91	110.56
2	4N	28	THR	CB-CA-C	-11.04	91.91	110.56
2	4R	28	THR	CB-CA-C	-11.04	91.91	110.56
2	4V	28	THR	CB-CA-C	-11.04	91.91	110.56
2	5R	28	THR	CB-CA-C	-11.04	91.91	110.56
2	5Z	28	THR	CB-CA-C	-11.04	91.91	110.56
2	6F	28	THR	CB-CA-C	-11.04	91.91	110.56
2	6J	28	THR	CB-CA-C	-11.04	91.91	110.56
2	6R	28	THR	CB-CA-C	-11.04	91.91	110.56
2	6Z	28	THR	CB-CA-C	-11.04	91.91	110.56
2	7J	28	THR	CB-CA-C	-11.04	91.91	110.56
2	7N	28	THR	CB-CA-C	-11.04	91.91	110.56
2	7V	28	THR	CB-CA-C	-11.04	91.91	110.56
2	1B	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	1F	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	4R	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	7J	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	1B	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	1J	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	1J	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	1N	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	2F	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	2F	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2J	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	2N	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	23	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	27	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	6F	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	27	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	3B	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	3F	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	37	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	3F	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	3J	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	3N	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	33	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	4B	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	4B	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	4F	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	4J	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	4N	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	4N	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	4V	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	4V	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	4Z	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	5R	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	5R	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	5V	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	5Z	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	6J	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	6J	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	6N	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	6R	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	6R	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	6V	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	6Z	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	7F	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	7N	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	7N	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	7R	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	7V	74	TYR	CZ-CE2-CD2	11.03	139.46	119.60
2	1F	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	2N	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	23	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	3N	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	4J	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	4R	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	5Z	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	6F	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	6Z	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	7J	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	7V	227	TYR	CE1-CZ-OH	-11.03	86.81	119.90
2	13	28	THR	CB-CA-C	-11.03	91.92	110.56
2	17	28	THR	CB-CA-C	-11.03	91.92	110.56
2	2B	28	THR	CB-CA-C	-11.03	91.92	110.56
2	3R	28	THR	CB-CA-C	-11.03	91.92	110.56
2	3V	28	THR	CB-CA-C	-11.03	91.92	110.56
2	3Z	28	THR	CB-CA-C	-11.03	91.92	110.56
2	5F	28	THR	CB-CA-C	-11.03	91.92	110.56
2	5J	28	THR	CB-CA-C	-11.03	91.92	110.56
2	5N	28	THR	CB-CA-C	-11.03	91.92	110.56
2	63	28	THR	CB-CA-C	-11.03	91.92	110.56
2	67	28	THR	CB-CA-C	-11.03	91.92	110.56
2	7B	28	THR	CB-CA-C	-11.03	91.92	110.56
2	1R	74	TYR	CZ-CE2-CD2	11.03	139.45	119.60
2	1V	74	TYR	CZ-CE2-CD2	11.03	139.45	119.60
2	1Z	74	TYR	CZ-CE2-CD2	11.03	139.45	119.60
2	2R	74	TYR	CZ-CE2-CD2	11.03	139.45	119.60
2	2V	74	TYR	CZ-CE2-CD2	11.03	139.45	119.60
2	2Z	74	TYR	CZ-CE2-CD2	11.03	139.45	119.60
2	43	74	TYR	CZ-CE2-CD2	11.03	139.45	119.60
2	47	74	TYR	CZ-CE2-CD2	11.03	139.45	119.60
2	5B	74	TYR	CZ-CE2-CD2	11.03	139.45	119.60
2	53	74	TYR	CZ-CE2-CD2	11.03	139.45	119.60
2	57	74	TYR	CZ-CE2-CD2	11.03	139.45	119.60
2	6B	74	TYR	CZ-CE2-CD2	11.03	139.45	119.60
2	1N	74	TYR	CZ-CE2-CD2	11.02	139.44	119.60
2	2J	74	TYR	CZ-CE2-CD2	11.02	139.44	119.60
2	3B	74	TYR	CZ-CE2-CD2	11.02	139.44	119.60
2	3J	74	TYR	CZ-CE2-CD2	11.02	139.44	119.60
2	33	74	TYR	CZ-CE2-CD2	11.02	139.44	119.60
2	4F	74	TYR	CZ-CE2-CD2	11.02	139.44	119.60
2	4Z	74	TYR	CZ-CE2-CD2	11.02	139.44	119.60
2	5V	74	TYR	CZ-CE2-CD2	11.02	139.44	119.60
2	6N	74	TYR	CZ-CE2-CD2	11.02	139.44	119.60
2	6V	74	TYR	CZ-CE2-CD2	11.02	139.44	119.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	74	TYR	CZ-CE2-CD2	11.02	139.44	119.60
2	7R	74	TYR	CZ-CE2-CD2	11.02	139.44	119.60
2	13	227	TYR	CE1-CZ-OH	-11.02	86.83	119.90
2	17	227	TYR	CE1-CZ-OH	-11.02	86.83	119.90
2	2B	227	TYR	CE1-CZ-OH	-11.02	86.83	119.90
2	3R	227	TYR	CE1-CZ-OH	-11.02	86.83	119.90
2	3V	227	TYR	CE1-CZ-OH	-11.02	86.83	119.90
2	3Z	227	TYR	CE1-CZ-OH	-11.02	86.83	119.90
2	5F	227	TYR	CE1-CZ-OH	-11.02	86.83	119.90
2	5J	227	TYR	CE1-CZ-OH	-11.02	86.83	119.90
2	5N	227	TYR	CE1-CZ-OH	-11.02	86.83	119.90
2	63	227	TYR	CE1-CZ-OH	-11.02	86.83	119.90
2	67	227	TYR	CE1-CZ-OH	-11.02	86.83	119.90
2	7B	227	TYR	CE1-CZ-OH	-11.02	86.83	119.90
2	1R	45	ALA	CA-C-O	11.02	136.27	120.51
2	1V	45	ALA	CA-C-O	11.02	136.27	120.51
2	1Z	45	ALA	CA-C-O	11.02	136.27	120.51
2	2R	45	ALA	CA-C-O	11.02	136.27	120.51
2	2V	45	ALA	CA-C-O	11.02	136.27	120.51
2	2Z	45	ALA	CA-C-O	11.02	136.27	120.51
2	43	45	ALA	CA-C-O	11.02	136.27	120.51
2	47	45	ALA	CA-C-O	11.02	136.27	120.51
2	5B	45	ALA	CA-C-O	11.02	136.27	120.51
2	53	45	ALA	CA-C-O	11.02	136.27	120.51
2	57	45	ALA	CA-C-O	11.02	136.27	120.51
2	6B	45	ALA	CA-C-O	11.02	136.27	120.51
1	1Q	34	ALA	N-CA-C	-11.01	94.16	110.46
1	1U	34	ALA	N-CA-C	-11.01	94.16	110.46
1	1Y	34	ALA	N-CA-C	-11.01	94.16	110.46
1	2Q	34	ALA	N-CA-C	-11.01	94.16	110.46
1	2U	34	ALA	N-CA-C	-11.01	94.16	110.46
1	2Y	34	ALA	N-CA-C	-11.01	94.16	110.46
1	42	34	ALA	N-CA-C	-11.01	94.16	110.46
1	46	34	ALA	N-CA-C	-11.01	94.16	110.46
1	5A	34	ALA	N-CA-C	-11.01	94.16	110.46
1	52	34	ALA	N-CA-C	-11.01	94.16	110.46
1	56	34	ALA	N-CA-C	-11.01	94.16	110.46
1	6A	34	ALA	N-CA-C	-11.01	94.16	110.46
1	1E	34	ALA	N-CA-C	-11.00	94.19	110.46
2	1N	45	ALA	CA-C-O	11.00	136.23	120.51
2	2J	45	ALA	CA-C-O	11.00	136.23	120.51
1	2M	34	ALA	N-CA-C	-11.00	94.19	110.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22	34	ALA	N-CA-C	-11.00	94.19	110.46
2	3B	45	ALA	CA-C-O	11.00	136.23	120.51
2	3J	45	ALA	CA-C-O	11.00	136.23	120.51
1	3M	34	ALA	N-CA-C	-11.00	94.19	110.46
2	33	45	ALA	CA-C-O	11.00	136.23	120.51
1	36	34	ALA	N-CA-C	-11.00	94.19	110.46
2	4F	45	ALA	CA-C-O	11.00	136.23	120.51
1	4I	34	ALA	N-CA-C	-11.00	94.19	110.46
1	4Q	34	ALA	N-CA-C	-11.00	94.19	110.46
2	4Z	45	ALA	CA-C-O	11.00	136.23	120.51
2	5V	45	ALA	CA-C-O	11.00	136.23	120.51
1	5Y	34	ALA	N-CA-C	-11.00	94.19	110.46
1	6E	34	ALA	N-CA-C	-11.00	94.19	110.46
2	6N	45	ALA	CA-C-O	11.00	136.23	120.51
2	6V	45	ALA	CA-C-O	11.00	136.23	120.51
1	6Y	34	ALA	N-CA-C	-11.00	94.19	110.46
2	7F	45	ALA	CA-C-O	11.00	136.23	120.51
1	7I	34	ALA	N-CA-C	-11.00	94.19	110.46
2	7R	45	ALA	CA-C-O	11.00	136.23	120.51
1	7U	34	ALA	N-CA-C	-11.00	94.19	110.46
2	1F	45	ALA	CA-C-O	10.99	136.23	120.51
2	2N	45	ALA	CA-C-O	10.99	136.23	120.51
2	23	45	ALA	CA-C-O	10.99	136.23	120.51
2	3N	45	ALA	CA-C-O	10.99	136.23	120.51
2	37	45	ALA	CA-C-O	10.99	136.23	120.51
2	4J	45	ALA	CA-C-O	10.99	136.23	120.51
2	4R	45	ALA	CA-C-O	10.99	136.23	120.51
2	5Z	45	ALA	CA-C-O	10.99	136.23	120.51
2	6F	45	ALA	CA-C-O	10.99	136.23	120.51
2	6Z	45	ALA	CA-C-O	10.99	136.23	120.51
2	7J	45	ALA	CA-C-O	10.99	136.23	120.51
2	7V	45	ALA	CA-C-O	10.99	136.23	120.51
1	1A	34	ALA	N-CA-C	-10.99	94.20	110.46
1	1I	34	ALA	N-CA-C	-10.99	94.20	110.46
1	2E	34	ALA	N-CA-C	-10.99	94.20	110.46
1	26	34	ALA	N-CA-C	-10.99	94.20	110.46
1	3E	34	ALA	N-CA-C	-10.99	94.20	110.46
1	4A	34	ALA	N-CA-C	-10.99	94.20	110.46
1	4M	34	ALA	N-CA-C	-10.99	94.20	110.46
1	4U	34	ALA	N-CA-C	-10.99	94.20	110.46
1	5Q	34	ALA	N-CA-C	-10.99	94.20	110.46
1	6I	34	ALA	N-CA-C	-10.99	94.20	110.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	34	ALA	N-CA-C	-10.99	94.20	110.46
1	7M	34	ALA	N-CA-C	-10.99	94.20	110.46
1	1M	34	ALA	N-CA-C	-10.98	94.20	110.46
1	1M	144	VAL	CA-C-N	10.98	142.52	121.54
1	1M	144	VAL	C-N-CA	10.98	142.52	121.54
1	1Q	144	VAL	CA-C-N	10.98	142.52	121.54
1	1Q	144	VAL	C-N-CA	10.98	142.52	121.54
1	1U	144	VAL	CA-C-N	10.98	142.52	121.54
1	1U	144	VAL	C-N-CA	10.98	142.52	121.54
1	1Y	144	VAL	CA-C-N	10.98	142.52	121.54
1	1Y	144	VAL	C-N-CA	10.98	142.52	121.54
1	2I	34	ALA	N-CA-C	-10.98	94.20	110.46
1	2I	144	VAL	CA-C-N	10.98	142.52	121.54
1	2I	144	VAL	C-N-CA	10.98	142.52	121.54
1	2Q	144	VAL	CA-C-N	10.98	142.52	121.54
1	2Q	144	VAL	C-N-CA	10.98	142.52	121.54
1	2U	144	VAL	CA-C-N	10.98	142.52	121.54
1	2U	144	VAL	C-N-CA	10.98	142.52	121.54
1	2Y	144	VAL	CA-C-N	10.98	142.52	121.54
1	2Y	144	VAL	C-N-CA	10.98	142.52	121.54
1	3A	34	ALA	N-CA-C	-10.98	94.20	110.46
1	3A	144	VAL	CA-C-N	10.98	142.52	121.54
1	3A	144	VAL	C-N-CA	10.98	142.52	121.54
1	3I	34	ALA	N-CA-C	-10.98	94.20	110.46
1	3I	144	VAL	CA-C-N	10.98	142.52	121.54
1	3I	144	VAL	C-N-CA	10.98	142.52	121.54
1	32	34	ALA	N-CA-C	-10.98	94.20	110.46
1	32	144	VAL	CA-C-N	10.98	142.52	121.54
1	32	144	VAL	C-N-CA	10.98	142.52	121.54
1	4E	34	ALA	N-CA-C	-10.98	94.20	110.46
1	4E	144	VAL	CA-C-N	10.98	142.52	121.54
1	4E	144	VAL	C-N-CA	10.98	142.52	121.54
1	4Y	34	ALA	N-CA-C	-10.98	94.20	110.46
1	4Y	144	VAL	CA-C-N	10.98	142.52	121.54
1	4Y	144	VAL	C-N-CA	10.98	142.52	121.54
1	42	144	VAL	CA-C-N	10.98	142.52	121.54
1	42	144	VAL	C-N-CA	10.98	142.52	121.54
1	46	144	VAL	CA-C-N	10.98	142.52	121.54
1	46	144	VAL	C-N-CA	10.98	142.52	121.54
1	5A	144	VAL	CA-C-N	10.98	142.52	121.54
1	5A	144	VAL	C-N-CA	10.98	142.52	121.54
1	5U	34	ALA	N-CA-C	-10.98	94.20	110.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5U	144	VAL	CA-C-N	10.98	142.52	121.54
1	5U	144	VAL	C-N-CA	10.98	142.52	121.54
1	52	144	VAL	CA-C-N	10.98	142.52	121.54
1	52	144	VAL	C-N-CA	10.98	142.52	121.54
1	56	144	VAL	CA-C-N	10.98	142.52	121.54
1	56	144	VAL	C-N-CA	10.98	142.52	121.54
1	6A	144	VAL	CA-C-N	10.98	142.52	121.54
1	6A	144	VAL	C-N-CA	10.98	142.52	121.54
1	6M	34	ALA	N-CA-C	-10.98	94.20	110.46
1	6M	144	VAL	CA-C-N	10.98	142.52	121.54
1	6M	144	VAL	C-N-CA	10.98	142.52	121.54
1	6U	34	ALA	N-CA-C	-10.98	94.20	110.46
1	6U	144	VAL	CA-C-N	10.98	142.52	121.54
1	6U	144	VAL	C-N-CA	10.98	142.52	121.54
1	7E	34	ALA	N-CA-C	-10.98	94.20	110.46
1	7E	144	VAL	CA-C-N	10.98	142.52	121.54
1	7E	144	VAL	C-N-CA	10.98	142.52	121.54
1	7Q	34	ALA	N-CA-C	-10.98	94.20	110.46
1	7Q	144	VAL	CA-C-N	10.98	142.52	121.54
1	7Q	144	VAL	C-N-CA	10.98	142.52	121.54
1	12	180	VAL	CA-CB-CG1	10.98	129.07	110.40
1	16	180	VAL	CA-CB-CG1	10.98	129.07	110.40
1	2A	180	VAL	CA-CB-CG1	10.98	129.07	110.40
1	3Q	180	VAL	CA-CB-CG1	10.98	129.07	110.40
1	3U	180	VAL	CA-CB-CG1	10.98	129.07	110.40
1	3Y	180	VAL	CA-CB-CG1	10.98	129.07	110.40
1	5E	180	VAL	CA-CB-CG1	10.98	129.07	110.40
1	5I	180	VAL	CA-CB-CG1	10.98	129.07	110.40
1	5M	180	VAL	CA-CB-CG1	10.98	129.07	110.40
1	62	180	VAL	CA-CB-CG1	10.98	129.07	110.40
1	66	180	VAL	CA-CB-CG1	10.98	129.07	110.40
1	7A	180	VAL	CA-CB-CG1	10.98	129.07	110.40
1	1A	144	VAL	CA-C-N	10.98	142.51	121.54
1	1A	144	VAL	C-N-CA	10.98	142.51	121.54
1	1E	144	VAL	CA-C-N	10.98	142.51	121.54
1	1E	144	VAL	C-N-CA	10.98	142.51	121.54
1	1I	144	VAL	CA-C-N	10.98	142.51	121.54
1	1I	144	VAL	C-N-CA	10.98	142.51	121.54
1	2E	144	VAL	CA-C-N	10.98	142.51	121.54
1	2E	144	VAL	C-N-CA	10.98	142.51	121.54
1	2M	144	VAL	CA-C-N	10.98	142.51	121.54
1	2M	144	VAL	C-N-CA	10.98	142.51	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22	144	VAL	CA-C-N	10.98	142.51	121.54
1	22	144	VAL	C-N-CA	10.98	142.51	121.54
1	26	144	VAL	CA-C-N	10.98	142.51	121.54
1	26	144	VAL	C-N-CA	10.98	142.51	121.54
1	3E	144	VAL	CA-C-N	10.98	142.51	121.54
1	3E	144	VAL	C-N-CA	10.98	142.51	121.54
1	3M	144	VAL	CA-C-N	10.98	142.51	121.54
1	3M	144	VAL	C-N-CA	10.98	142.51	121.54
1	36	144	VAL	CA-C-N	10.98	142.51	121.54
1	36	144	VAL	C-N-CA	10.98	142.51	121.54
1	4A	144	VAL	CA-C-N	10.98	142.51	121.54
1	4A	144	VAL	C-N-CA	10.98	142.51	121.54
1	4I	144	VAL	CA-C-N	10.98	142.51	121.54
1	4I	144	VAL	C-N-CA	10.98	142.51	121.54
1	4M	144	VAL	CA-C-N	10.98	142.51	121.54
1	4M	144	VAL	C-N-CA	10.98	142.51	121.54
1	4Q	144	VAL	CA-C-N	10.98	142.51	121.54
1	4Q	144	VAL	C-N-CA	10.98	142.51	121.54
1	4U	144	VAL	CA-C-N	10.98	142.51	121.54
1	4U	144	VAL	C-N-CA	10.98	142.51	121.54
1	5Q	144	VAL	CA-C-N	10.98	142.51	121.54
1	5Q	144	VAL	C-N-CA	10.98	142.51	121.54
1	5Y	144	VAL	CA-C-N	10.98	142.51	121.54
1	5Y	144	VAL	C-N-CA	10.98	142.51	121.54
1	6E	144	VAL	CA-C-N	10.98	142.51	121.54
1	6E	144	VAL	C-N-CA	10.98	142.51	121.54
1	6I	144	VAL	CA-C-N	10.98	142.51	121.54
1	6I	144	VAL	C-N-CA	10.98	142.51	121.54
1	6Q	144	VAL	CA-C-N	10.98	142.51	121.54
1	6Q	144	VAL	C-N-CA	10.98	142.51	121.54
1	6Y	144	VAL	CA-C-N	10.98	142.51	121.54
1	6Y	144	VAL	C-N-CA	10.98	142.51	121.54
1	7I	144	VAL	CA-C-N	10.98	142.51	121.54
1	7I	144	VAL	C-N-CA	10.98	142.51	121.54
1	7M	144	VAL	CA-C-N	10.98	142.51	121.54
1	7M	144	VAL	C-N-CA	10.98	142.51	121.54
1	7U	144	VAL	CA-C-N	10.98	142.51	121.54
1	7U	144	VAL	C-N-CA	10.98	142.51	121.54
1	12	34	ALA	N-CA-C	-10.98	94.22	110.46
1	16	34	ALA	N-CA-C	-10.98	94.22	110.46
1	2A	34	ALA	N-CA-C	-10.98	94.22	110.46
1	3Q	34	ALA	N-CA-C	-10.98	94.22	110.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	34	ALA	N-CA-C	-10.98	94.22	110.46
1	3Y	34	ALA	N-CA-C	-10.98	94.22	110.46
1	5E	34	ALA	N-CA-C	-10.98	94.22	110.46
1	5I	34	ALA	N-CA-C	-10.98	94.22	110.46
1	5M	34	ALA	N-CA-C	-10.98	94.22	110.46
1	62	34	ALA	N-CA-C	-10.98	94.22	110.46
1	66	34	ALA	N-CA-C	-10.98	94.22	110.46
1	7A	34	ALA	N-CA-C	-10.98	94.22	110.46
1	1A	182	PHE	N-CA-CB	-10.97	93.88	111.22
2	1B	45	ALA	CA-C-O	10.97	136.20	120.51
1	1I	182	PHE	N-CA-CB	-10.97	93.88	111.22
2	1J	45	ALA	CA-C-O	10.97	136.20	120.51
1	12	144	VAL	CA-C-N	10.97	142.50	121.54
1	12	144	VAL	C-N-CA	10.97	142.50	121.54
1	16	144	VAL	CA-C-N	10.97	142.50	121.54
1	16	144	VAL	C-N-CA	10.97	142.50	121.54
1	2A	144	VAL	CA-C-N	10.97	142.50	121.54
1	2A	144	VAL	C-N-CA	10.97	142.50	121.54
1	2E	182	PHE	N-CA-CB	-10.97	93.88	111.22
2	2F	45	ALA	CA-C-O	10.97	136.20	120.51
1	26	182	PHE	N-CA-CB	-10.97	93.88	111.22
2	27	45	ALA	CA-C-O	10.97	136.20	120.51
1	3E	182	PHE	N-CA-CB	-10.97	93.88	111.22
2	3F	45	ALA	CA-C-O	10.97	136.20	120.51
1	3Q	144	VAL	CA-C-N	10.97	142.50	121.54
1	3Q	144	VAL	C-N-CA	10.97	142.50	121.54
1	3U	144	VAL	CA-C-N	10.97	142.50	121.54
1	3U	144	VAL	C-N-CA	10.97	142.50	121.54
1	3Y	144	VAL	CA-C-N	10.97	142.50	121.54
1	3Y	144	VAL	C-N-CA	10.97	142.50	121.54
1	4A	182	PHE	N-CA-CB	-10.97	93.88	111.22
2	4B	45	ALA	CA-C-O	10.97	136.20	120.51
1	4M	182	PHE	N-CA-CB	-10.97	93.88	111.22
2	4N	45	ALA	CA-C-O	10.97	136.20	120.51
1	4U	182	PHE	N-CA-CB	-10.97	93.88	111.22
2	4V	45	ALA	CA-C-O	10.97	136.20	120.51
1	5E	144	VAL	CA-C-N	10.97	142.50	121.54
1	5E	144	VAL	C-N-CA	10.97	142.50	121.54
1	5I	144	VAL	CA-C-N	10.97	142.50	121.54
1	5I	144	VAL	C-N-CA	10.97	142.50	121.54
1	5M	144	VAL	CA-C-N	10.97	142.50	121.54
1	5M	144	VAL	C-N-CA	10.97	142.50	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Q	182	PHE	N-CA-CB	-10.97	93.88	111.22
2	5R	45	ALA	CA-C-O	10.97	136.20	120.51
1	6I	182	PHE	N-CA-CB	-10.97	93.88	111.22
2	6J	45	ALA	CA-C-O	10.97	136.20	120.51
1	6Q	182	PHE	N-CA-CB	-10.97	93.88	111.22
2	6R	45	ALA	CA-C-O	10.97	136.20	120.51
1	62	144	VAL	CA-C-N	10.97	142.50	121.54
1	62	144	VAL	C-N-CA	10.97	142.50	121.54
1	66	144	VAL	CA-C-N	10.97	142.50	121.54
1	66	144	VAL	C-N-CA	10.97	142.50	121.54
1	7A	144	VAL	CA-C-N	10.97	142.50	121.54
1	7A	144	VAL	C-N-CA	10.97	142.50	121.54
1	7M	182	PHE	N-CA-CB	-10.97	93.88	111.22
2	7N	45	ALA	CA-C-O	10.97	136.20	120.51
1	1Q	182	PHE	N-CA-CB	-10.97	93.89	111.22
1	1U	182	PHE	N-CA-CB	-10.97	93.89	111.22
1	1Y	182	PHE	N-CA-CB	-10.97	93.89	111.22
1	2Q	182	PHE	N-CA-CB	-10.97	93.89	111.22
1	2U	182	PHE	N-CA-CB	-10.97	93.89	111.22
1	2Y	182	PHE	N-CA-CB	-10.97	93.89	111.22
1	42	182	PHE	N-CA-CB	-10.97	93.89	111.22
1	46	182	PHE	N-CA-CB	-10.97	93.89	111.22
1	5A	182	PHE	N-CA-CB	-10.97	93.89	111.22
1	52	182	PHE	N-CA-CB	-10.97	93.89	111.22
1	56	182	PHE	N-CA-CB	-10.97	93.89	111.22
1	6A	182	PHE	N-CA-CB	-10.97	93.89	111.22
1	1M	180	VAL	CA-CB-CG1	10.97	129.05	110.40
1	2I	180	VAL	CA-CB-CG1	10.97	129.05	110.40
1	3A	180	VAL	CA-CB-CG1	10.97	129.05	110.40
1	3I	180	VAL	CA-CB-CG1	10.97	129.05	110.40
1	32	180	VAL	CA-CB-CG1	10.97	129.05	110.40
1	4E	180	VAL	CA-CB-CG1	10.97	129.05	110.40
1	4Y	180	VAL	CA-CB-CG1	10.97	129.05	110.40
1	5U	180	VAL	CA-CB-CG1	10.97	129.05	110.40
1	6M	180	VAL	CA-CB-CG1	10.97	129.05	110.40
1	6U	180	VAL	CA-CB-CG1	10.97	129.05	110.40
1	7E	180	VAL	CA-CB-CG1	10.97	129.05	110.40
1	7Q	180	VAL	CA-CB-CG1	10.97	129.05	110.40
1	1E	182	PHE	N-CA-CB	-10.96	93.89	111.22
1	1M	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	2I	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	2M	182	PHE	N-CA-CB	-10.96	93.89	111.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22	182	PHE	N-CA-CB	-10.96	93.89	111.22
1	3A	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	3I	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	3M	182	PHE	N-CA-CB	-10.96	93.89	111.22
1	32	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	36	182	PHE	N-CA-CB	-10.96	93.89	111.22
1	4E	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	4I	182	PHE	N-CA-CB	-10.96	93.89	111.22
1	4Q	182	PHE	N-CA-CB	-10.96	93.89	111.22
1	4Y	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	5U	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	5Y	182	PHE	N-CA-CB	-10.96	93.89	111.22
1	6E	182	PHE	N-CA-CB	-10.96	93.89	111.22
1	6M	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	6U	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	6Y	182	PHE	N-CA-CB	-10.96	93.89	111.22
1	7E	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	7I	182	PHE	N-CA-CB	-10.96	93.89	111.22
1	7Q	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	7U	182	PHE	N-CA-CB	-10.96	93.89	111.22
1	12	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	16	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	2A	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	3Q	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	3U	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	3Y	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	5E	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	5I	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	5M	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	62	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	66	182	PHE	N-CA-CB	-10.96	93.90	111.22
1	7A	182	PHE	N-CA-CB	-10.96	93.90	111.22
2	13	45	ALA	CA-C-O	10.96	136.18	120.51
2	17	45	ALA	CA-C-O	10.96	136.18	120.51
2	2B	45	ALA	CA-C-O	10.96	136.18	120.51
2	3R	45	ALA	CA-C-O	10.96	136.18	120.51
2	3V	45	ALA	CA-C-O	10.96	136.18	120.51
2	3Z	45	ALA	CA-C-O	10.96	136.18	120.51
2	5F	45	ALA	CA-C-O	10.96	136.18	120.51
2	5J	45	ALA	CA-C-O	10.96	136.18	120.51
2	5N	45	ALA	CA-C-O	10.96	136.18	120.51
2	63	45	ALA	CA-C-O	10.96	136.18	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	45	ALA	CA-C-O	10.96	136.18	120.51
2	7B	45	ALA	CA-C-O	10.96	136.18	120.51
1	1A	180	VAL	CA-CB-CG1	10.95	129.02	110.40
1	1I	180	VAL	CA-CB-CG1	10.95	129.02	110.40
1	2E	180	VAL	CA-CB-CG1	10.95	129.02	110.40
1	26	180	VAL	CA-CB-CG1	10.95	129.02	110.40
1	3E	180	VAL	CA-CB-CG1	10.95	129.02	110.40
1	4A	180	VAL	CA-CB-CG1	10.95	129.02	110.40
1	4M	180	VAL	CA-CB-CG1	10.95	129.02	110.40
1	4U	180	VAL	CA-CB-CG1	10.95	129.02	110.40
1	5Q	180	VAL	CA-CB-CG1	10.95	129.02	110.40
1	6I	180	VAL	CA-CB-CG1	10.95	129.02	110.40
1	6Q	180	VAL	CA-CB-CG1	10.95	129.02	110.40
1	7M	180	VAL	CA-CB-CG1	10.95	129.02	110.40
1	12	48	TYR	OH-CZ-CE2	-10.95	87.05	119.90
1	16	48	TYR	OH-CZ-CE2	-10.95	87.05	119.90
1	2A	48	TYR	OH-CZ-CE2	-10.95	87.05	119.90
1	3Q	48	TYR	OH-CZ-CE2	-10.95	87.05	119.90
1	3U	48	TYR	OH-CZ-CE2	-10.95	87.05	119.90
1	3Y	48	TYR	OH-CZ-CE2	-10.95	87.05	119.90
1	5E	48	TYR	OH-CZ-CE2	-10.95	87.05	119.90
1	5I	48	TYR	OH-CZ-CE2	-10.95	87.05	119.90
1	5M	48	TYR	OH-CZ-CE2	-10.95	87.05	119.90
1	62	48	TYR	OH-CZ-CE2	-10.95	87.05	119.90
1	66	48	TYR	OH-CZ-CE2	-10.95	87.05	119.90
1	7A	48	TYR	OH-CZ-CE2	-10.95	87.05	119.90
1	1E	48	TYR	OH-CZ-CE2	-10.95	87.06	119.90
1	1E	180	VAL	CA-CB-CG1	10.95	129.01	110.40
1	2M	48	TYR	OH-CZ-CE2	-10.95	87.06	119.90
1	2M	180	VAL	CA-CB-CG1	10.95	129.01	110.40
1	22	48	TYR	OH-CZ-CE2	-10.95	87.06	119.90
1	22	180	VAL	CA-CB-CG1	10.95	129.01	110.40
1	3M	48	TYR	OH-CZ-CE2	-10.95	87.06	119.90
1	3M	180	VAL	CA-CB-CG1	10.95	129.01	110.40
1	36	48	TYR	OH-CZ-CE2	-10.95	87.06	119.90
1	36	180	VAL	CA-CB-CG1	10.95	129.01	110.40
1	4I	48	TYR	OH-CZ-CE2	-10.95	87.06	119.90
1	4I	180	VAL	CA-CB-CG1	10.95	129.01	110.40
1	4Q	48	TYR	OH-CZ-CE2	-10.95	87.06	119.90
1	4Q	180	VAL	CA-CB-CG1	10.95	129.01	110.40
1	5Y	48	TYR	OH-CZ-CE2	-10.95	87.06	119.90
1	5Y	180	VAL	CA-CB-CG1	10.95	129.01	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6E	48	TYR	OH-CZ-CE2	-10.95	87.06	119.90
1	6E	180	VAL	CA-CB-CG1	10.95	129.01	110.40
1	6Y	48	TYR	OH-CZ-CE2	-10.95	87.06	119.90
1	6Y	180	VAL	CA-CB-CG1	10.95	129.01	110.40
1	7I	48	TYR	OH-CZ-CE2	-10.95	87.06	119.90
1	7I	180	VAL	CA-CB-CG1	10.95	129.01	110.40
1	7U	48	TYR	OH-CZ-CE2	-10.95	87.06	119.90
1	7U	180	VAL	CA-CB-CG1	10.95	129.01	110.40
1	1A	48	TYR	OH-CZ-CE2	-10.94	87.08	119.90
1	1I	48	TYR	OH-CZ-CE2	-10.94	87.08	119.90
1	1Q	166	MET	N-CA-C	-10.94	91.81	108.99
1	1U	166	MET	N-CA-C	-10.94	91.81	108.99
1	1Y	166	MET	N-CA-C	-10.94	91.81	108.99
1	2E	48	TYR	OH-CZ-CE2	-10.94	87.08	119.90
1	2Q	166	MET	N-CA-C	-10.94	91.81	108.99
1	2U	166	MET	N-CA-C	-10.94	91.81	108.99
1	2Y	166	MET	N-CA-C	-10.94	91.81	108.99
1	26	48	TYR	OH-CZ-CE2	-10.94	87.08	119.90
1	3E	48	TYR	OH-CZ-CE2	-10.94	87.08	119.90
1	4A	48	TYR	OH-CZ-CE2	-10.94	87.08	119.90
1	4M	48	TYR	OH-CZ-CE2	-10.94	87.08	119.90
1	4U	48	TYR	OH-CZ-CE2	-10.94	87.08	119.90
1	42	166	MET	N-CA-C	-10.94	91.81	108.99
1	46	166	MET	N-CA-C	-10.94	91.81	108.99
1	5A	166	MET	N-CA-C	-10.94	91.81	108.99
1	5Q	48	TYR	OH-CZ-CE2	-10.94	87.08	119.90
1	52	166	MET	N-CA-C	-10.94	91.81	108.99
1	56	166	MET	N-CA-C	-10.94	91.81	108.99
1	6A	166	MET	N-CA-C	-10.94	91.81	108.99
1	6I	48	TYR	OH-CZ-CE2	-10.94	87.08	119.90
1	6Q	48	TYR	OH-CZ-CE2	-10.94	87.08	119.90
1	7M	48	TYR	OH-CZ-CE2	-10.94	87.08	119.90
1	1Q	48	TYR	OH-CZ-CE2	-10.94	87.09	119.90
1	1U	48	TYR	OH-CZ-CE2	-10.94	87.09	119.90
1	1Y	48	TYR	OH-CZ-CE2	-10.94	87.09	119.90
2	13	77	THR	CA-C-N	-10.94	102.52	122.09
2	13	77	THR	C-N-CA	-10.94	102.52	122.09
2	17	77	THR	CA-C-N	-10.94	102.52	122.09
2	17	77	THR	C-N-CA	-10.94	102.52	122.09
2	2B	77	THR	CA-C-N	-10.94	102.52	122.09
2	2B	77	THR	C-N-CA	-10.94	102.52	122.09
1	2Q	48	TYR	OH-CZ-CE2	-10.94	87.09	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	48	TYR	OH-CZ-CE2	-10.94	87.09	119.90
1	2Y	48	TYR	OH-CZ-CE2	-10.94	87.09	119.90
2	3R	77	THR	CA-C-N	-10.94	102.52	122.09
2	3R	77	THR	C-N-CA	-10.94	102.52	122.09
2	3V	77	THR	CA-C-N	-10.94	102.52	122.09
2	3V	77	THR	C-N-CA	-10.94	102.52	122.09
2	3Z	77	THR	CA-C-N	-10.94	102.52	122.09
2	3Z	77	THR	C-N-CA	-10.94	102.52	122.09
1	42	48	TYR	OH-CZ-CE2	-10.94	87.09	119.90
1	46	48	TYR	OH-CZ-CE2	-10.94	87.09	119.90
1	5A	48	TYR	OH-CZ-CE2	-10.94	87.09	119.90
2	5F	77	THR	CA-C-N	-10.94	102.52	122.09
2	5F	77	THR	C-N-CA	-10.94	102.52	122.09
2	5J	77	THR	CA-C-N	-10.94	102.52	122.09
2	5J	77	THR	C-N-CA	-10.94	102.52	122.09
2	5N	77	THR	CA-C-N	-10.94	102.52	122.09
2	5N	77	THR	C-N-CA	-10.94	102.52	122.09
1	52	48	TYR	OH-CZ-CE2	-10.94	87.09	119.90
1	56	48	TYR	OH-CZ-CE2	-10.94	87.09	119.90
1	6A	48	TYR	OH-CZ-CE2	-10.94	87.09	119.90
2	63	77	THR	CA-C-N	-10.94	102.52	122.09
2	63	77	THR	C-N-CA	-10.94	102.52	122.09
2	67	77	THR	CA-C-N	-10.94	102.52	122.09
2	67	77	THR	C-N-CA	-10.94	102.52	122.09
2	7B	77	THR	CA-C-N	-10.94	102.52	122.09
2	7B	77	THR	C-N-CA	-10.94	102.52	122.09
1	1Q	180	VAL	CA-CB-CG1	10.93	128.99	110.40
1	1U	180	VAL	CA-CB-CG1	10.93	128.99	110.40
1	1Y	180	VAL	CA-CB-CG1	10.93	128.99	110.40
1	2Q	180	VAL	CA-CB-CG1	10.93	128.99	110.40
1	2U	180	VAL	CA-CB-CG1	10.93	128.99	110.40
1	2Y	180	VAL	CA-CB-CG1	10.93	128.99	110.40
1	42	180	VAL	CA-CB-CG1	10.93	128.99	110.40
1	46	180	VAL	CA-CB-CG1	10.93	128.99	110.40
1	5A	180	VAL	CA-CB-CG1	10.93	128.99	110.40
1	52	180	VAL	CA-CB-CG1	10.93	128.99	110.40
1	56	180	VAL	CA-CB-CG1	10.93	128.99	110.40
1	6A	180	VAL	CA-CB-CG1	10.93	128.99	110.40
2	1B	77	THR	CA-C-N	-10.93	102.53	122.09
2	1B	77	THR	C-N-CA	-10.93	102.53	122.09
2	1B	106	GLY	O-C-N	-10.93	108.49	122.70
2	1J	77	THR	CA-C-N	-10.93	102.53	122.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1J	77	THR	C-N-CA	-10.93	102.53	122.09
2	1J	106	GLY	O-C-N	-10.93	108.49	122.70
1	1M	48	TYR	OH-CZ-CE2	-10.93	87.11	119.90
1	1M	166	MET	N-CA-C	-10.93	91.83	108.99
2	2F	77	THR	CA-C-N	-10.93	102.53	122.09
2	2F	77	THR	C-N-CA	-10.93	102.53	122.09
2	2F	106	GLY	O-C-N	-10.93	108.49	122.70
1	2I	48	TYR	OH-CZ-CE2	-10.93	87.11	119.90
1	2I	166	MET	N-CA-C	-10.93	91.83	108.99
2	27	77	THR	CA-C-N	-10.93	102.53	122.09
2	27	77	THR	C-N-CA	-10.93	102.53	122.09
2	27	106	GLY	O-C-N	-10.93	108.49	122.70
1	3A	48	TYR	OH-CZ-CE2	-10.93	87.11	119.90
1	3A	166	MET	N-CA-C	-10.93	91.83	108.99
2	3F	77	THR	CA-C-N	-10.93	102.53	122.09
2	3F	77	THR	C-N-CA	-10.93	102.53	122.09
2	3F	106	GLY	O-C-N	-10.93	108.49	122.70
1	3I	48	TYR	OH-CZ-CE2	-10.93	87.11	119.90
1	3I	166	MET	N-CA-C	-10.93	91.83	108.99
1	32	48	TYR	OH-CZ-CE2	-10.93	87.11	119.90
1	32	166	MET	N-CA-C	-10.93	91.83	108.99
2	4B	77	THR	CA-C-N	-10.93	102.53	122.09
2	4B	77	THR	C-N-CA	-10.93	102.53	122.09
2	4B	106	GLY	O-C-N	-10.93	108.49	122.70
1	4E	48	TYR	OH-CZ-CE2	-10.93	87.11	119.90
1	4E	166	MET	N-CA-C	-10.93	91.83	108.99
2	4N	77	THR	CA-C-N	-10.93	102.53	122.09
2	4N	77	THR	C-N-CA	-10.93	102.53	122.09
2	4N	106	GLY	O-C-N	-10.93	108.49	122.70
2	4V	77	THR	CA-C-N	-10.93	102.53	122.09
2	4V	77	THR	C-N-CA	-10.93	102.53	122.09
2	4V	106	GLY	O-C-N	-10.93	108.49	122.70
1	4Y	48	TYR	OH-CZ-CE2	-10.93	87.11	119.90
1	4Y	166	MET	N-CA-C	-10.93	91.83	108.99
2	5R	77	THR	CA-C-N	-10.93	102.53	122.09
2	5R	77	THR	C-N-CA	-10.93	102.53	122.09
2	5R	106	GLY	O-C-N	-10.93	108.49	122.70
1	5U	48	TYR	OH-CZ-CE2	-10.93	87.11	119.90
1	5U	166	MET	N-CA-C	-10.93	91.83	108.99
2	6J	77	THR	CA-C-N	-10.93	102.53	122.09
2	6J	77	THR	C-N-CA	-10.93	102.53	122.09
2	6J	106	GLY	O-C-N	-10.93	108.49	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6M	48	TYR	OH-CZ-CE2	-10.93	87.11	119.90
1	6M	166	MET	N-CA-C	-10.93	91.83	108.99
2	6R	77	THR	CA-C-N	-10.93	102.53	122.09
2	6R	77	THR	C-N-CA	-10.93	102.53	122.09
2	6R	106	GLY	O-C-N	-10.93	108.49	122.70
1	6U	48	TYR	OH-CZ-CE2	-10.93	87.11	119.90
1	6U	166	MET	N-CA-C	-10.93	91.83	108.99
1	7E	48	TYR	OH-CZ-CE2	-10.93	87.11	119.90
1	7E	166	MET	N-CA-C	-10.93	91.83	108.99
2	7N	77	THR	CA-C-N	-10.93	102.53	122.09
2	7N	77	THR	C-N-CA	-10.93	102.53	122.09
2	7N	106	GLY	O-C-N	-10.93	108.49	122.70
1	7Q	48	TYR	OH-CZ-CE2	-10.93	87.11	119.90
1	7Q	166	MET	N-CA-C	-10.93	91.83	108.99
2	1F	44	MET	O-C-N	-10.93	109.74	122.20
2	1N	44	MET	O-C-N	-10.93	109.74	122.20
2	2J	44	MET	O-C-N	-10.93	109.74	122.20
2	2N	44	MET	O-C-N	-10.93	109.74	122.20
2	23	44	MET	O-C-N	-10.93	109.74	122.20
2	3B	44	MET	O-C-N	-10.93	109.74	122.20
2	3J	44	MET	O-C-N	-10.93	109.74	122.20
2	3N	44	MET	O-C-N	-10.93	109.74	122.20
2	33	44	MET	O-C-N	-10.93	109.74	122.20
2	37	44	MET	O-C-N	-10.93	109.74	122.20
2	4F	44	MET	O-C-N	-10.93	109.74	122.20
2	4J	44	MET	O-C-N	-10.93	109.74	122.20
2	4R	44	MET	O-C-N	-10.93	109.74	122.20
2	4Z	44	MET	O-C-N	-10.93	109.74	122.20
2	5V	44	MET	O-C-N	-10.93	109.74	122.20
2	5Z	44	MET	O-C-N	-10.93	109.74	122.20
2	6F	44	MET	O-C-N	-10.93	109.74	122.20
2	6N	44	MET	O-C-N	-10.93	109.74	122.20
2	6V	44	MET	O-C-N	-10.93	109.74	122.20
2	6Z	44	MET	O-C-N	-10.93	109.74	122.20
2	7F	44	MET	O-C-N	-10.93	109.74	122.20
2	7J	44	MET	O-C-N	-10.93	109.74	122.20
2	7R	44	MET	O-C-N	-10.93	109.74	122.20
2	7V	44	MET	O-C-N	-10.93	109.74	122.20
1	1E	166	MET	N-CA-C	-10.93	91.83	108.99
2	1N	77	THR	CA-C-N	-10.93	102.53	122.09
2	1N	77	THR	C-N-CA	-10.93	102.53	122.09
2	2J	77	THR	CA-C-N	-10.93	102.53	122.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2J	77	THR	C-N-CA	-10.93	102.53	122.09
1	2M	166	MET	N-CA-C	-10.93	91.83	108.99
1	22	166	MET	N-CA-C	-10.93	91.83	108.99
2	3B	77	THR	CA-C-N	-10.93	102.53	122.09
2	3B	77	THR	C-N-CA	-10.93	102.53	122.09
2	3J	77	THR	CA-C-N	-10.93	102.53	122.09
2	3J	77	THR	C-N-CA	-10.93	102.53	122.09
1	3M	166	MET	N-CA-C	-10.93	91.83	108.99
2	33	77	THR	CA-C-N	-10.93	102.53	122.09
2	33	77	THR	C-N-CA	-10.93	102.53	122.09
1	36	166	MET	N-CA-C	-10.93	91.83	108.99
2	4F	77	THR	CA-C-N	-10.93	102.53	122.09
2	4F	77	THR	C-N-CA	-10.93	102.53	122.09
1	4I	166	MET	N-CA-C	-10.93	91.83	108.99
1	4Q	166	MET	N-CA-C	-10.93	91.83	108.99
2	4Z	77	THR	CA-C-N	-10.93	102.53	122.09
2	4Z	77	THR	C-N-CA	-10.93	102.53	122.09
2	5V	77	THR	CA-C-N	-10.93	102.53	122.09
2	5V	77	THR	C-N-CA	-10.93	102.53	122.09
1	5Y	166	MET	N-CA-C	-10.93	91.83	108.99
1	6E	166	MET	N-CA-C	-10.93	91.83	108.99
2	6N	77	THR	CA-C-N	-10.93	102.53	122.09
2	6N	77	THR	C-N-CA	-10.93	102.53	122.09
2	6V	77	THR	CA-C-N	-10.93	102.53	122.09
2	6V	77	THR	C-N-CA	-10.93	102.53	122.09
1	6Y	166	MET	N-CA-C	-10.93	91.83	108.99
2	7F	77	THR	CA-C-N	-10.93	102.53	122.09
2	7F	77	THR	C-N-CA	-10.93	102.53	122.09
1	7I	166	MET	N-CA-C	-10.93	91.83	108.99
2	7R	77	THR	CA-C-N	-10.93	102.53	122.09
2	7R	77	THR	C-N-CA	-10.93	102.53	122.09
1	7U	166	MET	N-CA-C	-10.93	91.83	108.99
1	1A	166	MET	N-CA-C	-10.92	91.84	108.99
1	1I	166	MET	N-CA-C	-10.92	91.84	108.99
1	2E	166	MET	N-CA-C	-10.92	91.84	108.99
1	26	166	MET	N-CA-C	-10.92	91.84	108.99
1	3E	166	MET	N-CA-C	-10.92	91.84	108.99
1	4A	166	MET	N-CA-C	-10.92	91.84	108.99
1	4M	166	MET	N-CA-C	-10.92	91.84	108.99
1	4U	166	MET	N-CA-C	-10.92	91.84	108.99
1	5Q	166	MET	N-CA-C	-10.92	91.84	108.99
1	6I	166	MET	N-CA-C	-10.92	91.84	108.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	166	MET	N-CA-C	-10.92	91.84	108.99
1	7M	166	MET	N-CA-C	-10.92	91.84	108.99
2	1R	77	THR	CA-C-N	-10.92	102.55	122.09
2	1R	77	THR	C-N-CA	-10.92	102.55	122.09
2	1V	77	THR	CA-C-N	-10.92	102.55	122.09
2	1V	77	THR	C-N-CA	-10.92	102.55	122.09
2	1Z	77	THR	CA-C-N	-10.92	102.55	122.09
2	1Z	77	THR	C-N-CA	-10.92	102.55	122.09
2	2R	77	THR	CA-C-N	-10.92	102.55	122.09
2	2R	77	THR	C-N-CA	-10.92	102.55	122.09
2	2V	77	THR	CA-C-N	-10.92	102.55	122.09
2	2V	77	THR	C-N-CA	-10.92	102.55	122.09
2	2Z	77	THR	CA-C-N	-10.92	102.55	122.09
2	2Z	77	THR	C-N-CA	-10.92	102.55	122.09
2	43	77	THR	CA-C-N	-10.92	102.55	122.09
2	43	77	THR	C-N-CA	-10.92	102.55	122.09
2	47	77	THR	CA-C-N	-10.92	102.55	122.09
2	47	77	THR	C-N-CA	-10.92	102.55	122.09
2	5B	77	THR	CA-C-N	-10.92	102.55	122.09
2	5B	77	THR	C-N-CA	-10.92	102.55	122.09
2	53	77	THR	CA-C-N	-10.92	102.55	122.09
2	53	77	THR	C-N-CA	-10.92	102.55	122.09
2	57	77	THR	CA-C-N	-10.92	102.55	122.09
2	57	77	THR	C-N-CA	-10.92	102.55	122.09
2	6B	77	THR	CA-C-N	-10.92	102.55	122.09
2	6B	77	THR	C-N-CA	-10.92	102.55	122.09
2	1N	106	GLY	O-C-N	-10.92	108.51	122.70
2	2J	106	GLY	O-C-N	-10.92	108.51	122.70
2	3B	106	GLY	O-C-N	-10.92	108.51	122.70
2	3J	106	GLY	O-C-N	-10.92	108.51	122.70
2	33	106	GLY	O-C-N	-10.92	108.51	122.70
2	4F	106	GLY	O-C-N	-10.92	108.51	122.70
2	4Z	106	GLY	O-C-N	-10.92	108.51	122.70
2	5V	106	GLY	O-C-N	-10.92	108.51	122.70
2	6N	106	GLY	O-C-N	-10.92	108.51	122.70
2	6V	106	GLY	O-C-N	-10.92	108.51	122.70
2	7F	106	GLY	O-C-N	-10.92	108.51	122.70
2	7R	106	GLY	O-C-N	-10.92	108.51	122.70
2	1F	77	THR	CA-C-N	-10.91	102.56	122.09
2	1F	77	THR	C-N-CA	-10.91	102.56	122.09
2	2N	77	THR	CA-C-N	-10.91	102.56	122.09
2	2N	77	THR	C-N-CA	-10.91	102.56	122.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	77	THR	CA-C-N	-10.91	102.56	122.09
2	23	77	THR	C-N-CA	-10.91	102.56	122.09
2	3N	77	THR	CA-C-N	-10.91	102.56	122.09
2	3N	77	THR	C-N-CA	-10.91	102.56	122.09
2	37	77	THR	CA-C-N	-10.91	102.56	122.09
2	37	77	THR	C-N-CA	-10.91	102.56	122.09
2	4J	77	THR	CA-C-N	-10.91	102.56	122.09
2	4J	77	THR	C-N-CA	-10.91	102.56	122.09
2	4R	77	THR	CA-C-N	-10.91	102.56	122.09
2	4R	77	THR	C-N-CA	-10.91	102.56	122.09
2	5Z	77	THR	CA-C-N	-10.91	102.56	122.09
2	5Z	77	THR	C-N-CA	-10.91	102.56	122.09
2	6F	77	THR	CA-C-N	-10.91	102.56	122.09
2	6F	77	THR	C-N-CA	-10.91	102.56	122.09
2	6Z	77	THR	CA-C-N	-10.91	102.56	122.09
2	6Z	77	THR	C-N-CA	-10.91	102.56	122.09
2	7J	77	THR	CA-C-N	-10.91	102.56	122.09
2	7J	77	THR	C-N-CA	-10.91	102.56	122.09
2	7V	77	THR	CA-C-N	-10.91	102.56	122.09
2	7V	77	THR	C-N-CA	-10.91	102.56	122.09
1	12	166	MET	N-CA-C	-10.91	91.86	108.99
2	13	106	GLY	O-C-N	-10.91	108.52	122.70
2	17	106	GLY	O-C-N	-10.91	108.52	122.70
2	13	44	MET	O-C-N	-10.91	109.77	122.20
1	16	166	MET	N-CA-C	-10.91	91.86	108.99
2	17	44	MET	O-C-N	-10.91	109.77	122.20
1	2A	166	MET	N-CA-C	-10.91	91.86	108.99
2	2B	106	GLY	O-C-N	-10.91	108.52	122.70
2	3R	106	GLY	O-C-N	-10.91	108.52	122.70
2	2B	44	MET	O-C-N	-10.91	109.77	122.20
1	3Q	166	MET	N-CA-C	-10.91	91.86	108.99
2	3R	44	MET	O-C-N	-10.91	109.77	122.20
1	3U	166	MET	N-CA-C	-10.91	91.86	108.99
2	3V	106	GLY	O-C-N	-10.91	108.52	122.70
2	3Z	106	GLY	O-C-N	-10.91	108.52	122.70
2	3V	44	MET	O-C-N	-10.91	109.77	122.20
1	3Y	166	MET	N-CA-C	-10.91	91.86	108.99
2	3Z	44	MET	O-C-N	-10.91	109.77	122.20
1	5E	166	MET	N-CA-C	-10.91	91.86	108.99
2	5F	106	GLY	O-C-N	-10.91	108.52	122.70
2	5J	106	GLY	O-C-N	-10.91	108.52	122.70
2	5F	44	MET	O-C-N	-10.91	109.77	122.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5I	166	MET	N-CA-C	-10.91	91.86	108.99
2	5J	44	MET	O-C-N	-10.91	109.77	122.20
1	5M	166	MET	N-CA-C	-10.91	91.86	108.99
2	5N	106	GLY	O-C-N	-10.91	108.52	122.70
2	63	106	GLY	O-C-N	-10.91	108.52	122.70
2	5N	44	MET	O-C-N	-10.91	109.77	122.20
1	62	166	MET	N-CA-C	-10.91	91.86	108.99
2	63	44	MET	O-C-N	-10.91	109.77	122.20
1	66	166	MET	N-CA-C	-10.91	91.86	108.99
2	67	106	GLY	O-C-N	-10.91	108.52	122.70
2	7B	106	GLY	O-C-N	-10.91	108.52	122.70
2	67	44	MET	O-C-N	-10.91	109.77	122.20
1	7A	166	MET	N-CA-C	-10.91	91.86	108.99
2	7B	44	MET	O-C-N	-10.91	109.77	122.20
2	1F	106	GLY	O-C-N	-10.90	108.52	122.70
2	37	106	GLY	O-C-N	-10.90	108.52	122.70
2	7V	106	GLY	O-C-N	-10.90	108.52	122.70
1	1Q	18	PRO	CB-CA-C	-10.90	93.57	111.56
2	1R	106	GLY	O-C-N	-10.90	108.53	122.70
1	1U	18	PRO	CB-CA-C	-10.90	93.57	111.56
2	1V	106	GLY	O-C-N	-10.90	108.53	122.70
1	1Y	18	PRO	CB-CA-C	-10.90	93.57	111.56
2	1Z	106	GLY	O-C-N	-10.90	108.53	122.70
2	2N	106	GLY	O-C-N	-10.90	108.52	122.70
2	6F	106	GLY	O-C-N	-10.90	108.52	122.70
1	2Q	18	PRO	CB-CA-C	-10.90	93.57	111.56
2	2R	106	GLY	O-C-N	-10.90	108.53	122.70
1	2U	18	PRO	CB-CA-C	-10.90	93.57	111.56
2	2V	106	GLY	O-C-N	-10.90	108.53	122.70
1	2Y	18	PRO	CB-CA-C	-10.90	93.57	111.56
2	2Z	106	GLY	O-C-N	-10.90	108.53	122.70
2	23	106	GLY	O-C-N	-10.90	108.52	122.70
2	3N	106	GLY	O-C-N	-10.90	108.52	122.70
2	4J	106	GLY	O-C-N	-10.90	108.52	122.70
2	4R	106	GLY	O-C-N	-10.90	108.52	122.70
1	42	18	PRO	CB-CA-C	-10.90	93.57	111.56
2	43	106	GLY	O-C-N	-10.90	108.53	122.70
1	46	18	PRO	CB-CA-C	-10.90	93.57	111.56
2	47	106	GLY	O-C-N	-10.90	108.53	122.70
1	5A	18	PRO	CB-CA-C	-10.90	93.57	111.56
2	5B	106	GLY	O-C-N	-10.90	108.53	122.70
2	5Z	106	GLY	O-C-N	-10.90	108.52	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6Z	106	GLY	O-C-N	-10.90	108.52	122.70
1	52	18	PRO	CB-CA-C	-10.90	93.57	111.56
2	53	106	GLY	O-C-N	-10.90	108.53	122.70
1	56	18	PRO	CB-CA-C	-10.90	93.57	111.56
2	57	106	GLY	O-C-N	-10.90	108.53	122.70
1	6A	18	PRO	CB-CA-C	-10.90	93.57	111.56
2	6B	106	GLY	O-C-N	-10.90	108.53	122.70
2	7J	106	GLY	O-C-N	-10.90	108.52	122.70
2	1B	14	THR	N-CA-CB	-10.90	92.07	110.49
2	1J	14	THR	N-CA-CB	-10.90	92.07	110.49
1	1M	39	GLN	N-CA-C	-10.90	98.28	111.69
2	1N	14	THR	N-CA-CB	-10.90	92.07	110.49
1	12	18	PRO	CB-CA-C	-10.90	93.58	111.56
1	16	18	PRO	CB-CA-C	-10.90	93.58	111.56
1	2A	18	PRO	CB-CA-C	-10.90	93.58	111.56
2	2F	14	THR	N-CA-CB	-10.90	92.07	110.49
1	2I	39	GLN	N-CA-C	-10.90	98.28	111.69
2	2J	14	THR	N-CA-CB	-10.90	92.07	110.49
2	27	14	THR	N-CA-CB	-10.90	92.07	110.49
1	3A	39	GLN	N-CA-C	-10.90	98.28	111.69
2	3B	14	THR	N-CA-CB	-10.90	92.07	110.49
2	3F	14	THR	N-CA-CB	-10.90	92.07	110.49
1	3I	39	GLN	N-CA-C	-10.90	98.28	111.69
2	3J	14	THR	N-CA-CB	-10.90	92.07	110.49
1	3Q	18	PRO	CB-CA-C	-10.90	93.58	111.56
1	3U	18	PRO	CB-CA-C	-10.90	93.58	111.56
1	3Y	18	PRO	CB-CA-C	-10.90	93.58	111.56
1	32	39	GLN	N-CA-C	-10.90	98.28	111.69
2	33	14	THR	N-CA-CB	-10.90	92.07	110.49
2	4B	14	THR	N-CA-CB	-10.90	92.07	110.49
1	4E	39	GLN	N-CA-C	-10.90	98.28	111.69
2	4F	14	THR	N-CA-CB	-10.90	92.07	110.49
2	4N	14	THR	N-CA-CB	-10.90	92.07	110.49
2	4V	14	THR	N-CA-CB	-10.90	92.07	110.49
1	4Y	39	GLN	N-CA-C	-10.90	98.28	111.69
2	4Z	14	THR	N-CA-CB	-10.90	92.07	110.49
1	5E	18	PRO	CB-CA-C	-10.90	93.58	111.56
1	5I	18	PRO	CB-CA-C	-10.90	93.58	111.56
1	5M	18	PRO	CB-CA-C	-10.90	93.58	111.56
2	5R	14	THR	N-CA-CB	-10.90	92.07	110.49
1	5U	39	GLN	N-CA-C	-10.90	98.28	111.69
2	5V	14	THR	N-CA-CB	-10.90	92.07	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6J	14	THR	N-CA-CB	-10.90	92.07	110.49
1	6M	39	GLN	N-CA-C	-10.90	98.28	111.69
2	6N	14	THR	N-CA-CB	-10.90	92.07	110.49
2	6R	14	THR	N-CA-CB	-10.90	92.07	110.49
1	6U	39	GLN	N-CA-C	-10.90	98.28	111.69
2	6V	14	THR	N-CA-CB	-10.90	92.07	110.49
1	62	18	PRO	CB-CA-C	-10.90	93.58	111.56
1	66	18	PRO	CB-CA-C	-10.90	93.58	111.56
1	7A	18	PRO	CB-CA-C	-10.90	93.58	111.56
1	7E	39	GLN	N-CA-C	-10.90	98.28	111.69
2	7F	14	THR	N-CA-CB	-10.90	92.07	110.49
2	7N	14	THR	N-CA-CB	-10.90	92.07	110.49
1	7Q	39	GLN	N-CA-C	-10.90	98.28	111.69
2	7R	14	THR	N-CA-CB	-10.90	92.07	110.49
1	1A	18	PRO	CB-CA-C	-10.90	93.58	111.56
2	1R	75	GLN	CA-C-O	-10.90	108.37	121.56
2	1V	75	GLN	CA-C-O	-10.90	108.37	121.56
2	1Z	75	GLN	CA-C-O	-10.90	108.37	121.56
2	2V	75	GLN	CA-C-O	-10.90	108.37	121.56
2	2Z	75	GLN	CA-C-O	-10.90	108.37	121.56
2	47	75	GLN	CA-C-O	-10.90	108.37	121.56
2	1B	44	MET	O-C-N	-10.90	109.78	122.20
1	1I	18	PRO	CB-CA-C	-10.90	93.58	111.56
2	1J	44	MET	O-C-N	-10.90	109.78	122.20
1	2E	18	PRO	CB-CA-C	-10.90	93.58	111.56
2	2R	75	GLN	CA-C-O	-10.90	108.37	121.56
2	43	75	GLN	CA-C-O	-10.90	108.37	121.56
2	5B	75	GLN	CA-C-O	-10.90	108.37	121.56
2	57	75	GLN	CA-C-O	-10.90	108.37	121.56
2	6B	75	GLN	CA-C-O	-10.90	108.37	121.56
2	2F	44	MET	O-C-N	-10.90	109.78	122.20
1	26	18	PRO	CB-CA-C	-10.90	93.58	111.56
2	27	44	MET	O-C-N	-10.90	109.78	122.20
1	3E	18	PRO	CB-CA-C	-10.90	93.58	111.56
2	3F	44	MET	O-C-N	-10.90	109.78	122.20
1	4A	18	PRO	CB-CA-C	-10.90	93.58	111.56
2	4B	44	MET	O-C-N	-10.90	109.78	122.20
1	4M	18	PRO	CB-CA-C	-10.90	93.58	111.56
2	4N	44	MET	O-C-N	-10.90	109.78	122.20
1	4U	18	PRO	CB-CA-C	-10.90	93.58	111.56
2	4V	44	MET	O-C-N	-10.90	109.78	122.20
1	5Q	18	PRO	CB-CA-C	-10.90	93.58	111.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	53	75	GLN	CA-C-O	-10.90	108.37	121.56
2	5R	44	MET	O-C-N	-10.90	109.78	122.20
1	6I	18	PRO	CB-CA-C	-10.90	93.58	111.56
2	6J	44	MET	O-C-N	-10.90	109.78	122.20
1	6Q	18	PRO	CB-CA-C	-10.90	93.58	111.56
2	6R	44	MET	O-C-N	-10.90	109.78	122.20
1	7M	18	PRO	CB-CA-C	-10.90	93.58	111.56
2	7N	44	MET	O-C-N	-10.90	109.78	122.20
1	1M	18	PRO	CB-CA-C	-10.89	93.59	111.56
1	2I	18	PRO	CB-CA-C	-10.89	93.59	111.56
1	3A	18	PRO	CB-CA-C	-10.89	93.59	111.56
1	3I	18	PRO	CB-CA-C	-10.89	93.59	111.56
1	32	18	PRO	CB-CA-C	-10.89	93.59	111.56
1	4E	18	PRO	CB-CA-C	-10.89	93.59	111.56
1	4Y	18	PRO	CB-CA-C	-10.89	93.59	111.56
1	5U	18	PRO	CB-CA-C	-10.89	93.59	111.56
1	6M	18	PRO	CB-CA-C	-10.89	93.59	111.56
1	6U	18	PRO	CB-CA-C	-10.89	93.59	111.56
1	7E	18	PRO	CB-CA-C	-10.89	93.59	111.56
1	7Q	18	PRO	CB-CA-C	-10.89	93.59	111.56
1	1Q	39	GLN	N-CA-C	-10.89	98.30	111.69
1	1U	39	GLN	N-CA-C	-10.89	98.30	111.69
1	1Y	39	GLN	N-CA-C	-10.89	98.30	111.69
2	13	14	THR	N-CA-CB	-10.89	92.09	110.49
2	17	14	THR	N-CA-CB	-10.89	92.09	110.49
2	2B	14	THR	N-CA-CB	-10.89	92.09	110.49
1	2Q	39	GLN	N-CA-C	-10.89	98.30	111.69
1	2U	39	GLN	N-CA-C	-10.89	98.30	111.69
1	2Y	39	GLN	N-CA-C	-10.89	98.30	111.69
2	3R	14	THR	N-CA-CB	-10.89	92.09	110.49
2	3V	14	THR	N-CA-CB	-10.89	92.09	110.49
2	3Z	14	THR	N-CA-CB	-10.89	92.09	110.49
1	42	39	GLN	N-CA-C	-10.89	98.30	111.69
1	46	39	GLN	N-CA-C	-10.89	98.30	111.69
1	5A	39	GLN	N-CA-C	-10.89	98.30	111.69
2	5F	14	THR	N-CA-CB	-10.89	92.09	110.49
2	5J	14	THR	N-CA-CB	-10.89	92.09	110.49
2	5N	14	THR	N-CA-CB	-10.89	92.09	110.49
1	52	39	GLN	N-CA-C	-10.89	98.30	111.69
1	56	39	GLN	N-CA-C	-10.89	98.30	111.69
1	6A	39	GLN	N-CA-C	-10.89	98.30	111.69
2	63	14	THR	N-CA-CB	-10.89	92.09	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	14	THR	N-CA-CB	-10.89	92.09	110.49
2	7B	14	THR	N-CA-CB	-10.89	92.09	110.49
1	3U	39	GLN	N-CA-C	-10.89	98.30	111.69
1	5E	39	GLN	N-CA-C	-10.89	98.30	111.69
2	1F	14	THR	N-CA-CB	-10.88	92.10	110.49
2	1R	44	MET	O-C-N	-10.88	109.79	122.20
2	1V	44	MET	O-C-N	-10.88	109.79	122.20
2	1Z	44	MET	O-C-N	-10.88	109.79	122.20
1	12	39	GLN	N-CA-C	-10.89	98.30	111.69
1	16	39	GLN	N-CA-C	-10.89	98.30	111.69
1	2A	39	GLN	N-CA-C	-10.89	98.30	111.69
1	3Q	39	GLN	N-CA-C	-10.89	98.30	111.69
1	3Y	39	GLN	N-CA-C	-10.89	98.30	111.69
1	5M	39	GLN	N-CA-C	-10.89	98.30	111.69
1	66	39	GLN	N-CA-C	-10.89	98.30	111.69
2	2N	14	THR	N-CA-CB	-10.88	92.10	110.49
2	2R	44	MET	O-C-N	-10.88	109.79	122.20
2	2V	44	MET	O-C-N	-10.88	109.79	122.20
2	2Z	44	MET	O-C-N	-10.88	109.79	122.20
2	23	14	THR	N-CA-CB	-10.88	92.10	110.49
2	3N	14	THR	N-CA-CB	-10.88	92.10	110.49
2	37	14	THR	N-CA-CB	-10.88	92.10	110.49
2	4J	14	THR	N-CA-CB	-10.88	92.10	110.49
2	4R	14	THR	N-CA-CB	-10.88	92.10	110.49
2	43	44	MET	O-C-N	-10.88	109.79	122.20
2	47	44	MET	O-C-N	-10.88	109.79	122.20
2	5B	44	MET	O-C-N	-10.88	109.79	122.20
1	5I	39	GLN	N-CA-C	-10.89	98.30	111.69
2	5Z	14	THR	N-CA-CB	-10.88	92.10	110.49
2	53	44	MET	O-C-N	-10.88	109.79	122.20
2	57	44	MET	O-C-N	-10.88	109.79	122.20
2	6B	44	MET	O-C-N	-10.88	109.79	122.20
1	62	39	GLN	N-CA-C	-10.89	98.30	111.69
1	7A	39	GLN	N-CA-C	-10.89	98.30	111.69
2	6F	14	THR	N-CA-CB	-10.88	92.10	110.49
2	6Z	14	THR	N-CA-CB	-10.88	92.10	110.49
2	7J	14	THR	N-CA-CB	-10.88	92.10	110.49
2	7V	14	THR	N-CA-CB	-10.88	92.10	110.49
1	1E	18	PRO	CB-CA-C	-10.88	93.60	111.56
1	2M	18	PRO	CB-CA-C	-10.88	93.60	111.56
1	22	18	PRO	CB-CA-C	-10.88	93.60	111.56
1	3M	18	PRO	CB-CA-C	-10.88	93.60	111.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	18	PRO	CB-CA-C	-10.88	93.60	111.56
1	4I	18	PRO	CB-CA-C	-10.88	93.60	111.56
1	4Q	18	PRO	CB-CA-C	-10.88	93.60	111.56
1	5Y	18	PRO	CB-CA-C	-10.88	93.60	111.56
1	6E	18	PRO	CB-CA-C	-10.88	93.60	111.56
1	6Y	18	PRO	CB-CA-C	-10.88	93.60	111.56
1	7I	18	PRO	CB-CA-C	-10.88	93.60	111.56
1	7U	18	PRO	CB-CA-C	-10.88	93.60	111.56
2	1R	14	THR	N-CA-CB	-10.88	92.11	110.49
2	1V	14	THR	N-CA-CB	-10.88	92.11	110.49
2	1Z	14	THR	N-CA-CB	-10.88	92.11	110.49
1	12	9	PHE	CG-CD2-CE2	-10.88	102.21	120.70
1	16	9	PHE	CG-CD2-CE2	-10.88	102.21	120.70
1	2A	9	PHE	CG-CD2-CE2	-10.88	102.21	120.70
2	2R	14	THR	N-CA-CB	-10.88	92.11	110.49
2	2V	14	THR	N-CA-CB	-10.88	92.11	110.49
2	2Z	14	THR	N-CA-CB	-10.88	92.11	110.49
1	3Q	9	PHE	CG-CD2-CE2	-10.88	102.21	120.70
1	3U	9	PHE	CG-CD2-CE2	-10.88	102.21	120.70
1	3Y	9	PHE	CG-CD2-CE2	-10.88	102.21	120.70
2	43	14	THR	N-CA-CB	-10.88	92.11	110.49
2	47	14	THR	N-CA-CB	-10.88	92.11	110.49
2	5B	14	THR	N-CA-CB	-10.88	92.11	110.49
1	5E	9	PHE	CG-CD2-CE2	-10.88	102.21	120.70
1	5I	9	PHE	CG-CD2-CE2	-10.88	102.21	120.70
1	5M	9	PHE	CG-CD2-CE2	-10.88	102.21	120.70
2	53	14	THR	N-CA-CB	-10.88	92.11	110.49
2	57	14	THR	N-CA-CB	-10.88	92.11	110.49
2	6B	14	THR	N-CA-CB	-10.88	92.11	110.49
1	62	9	PHE	CG-CD2-CE2	-10.88	102.21	120.70
1	66	9	PHE	CG-CD2-CE2	-10.88	102.21	120.70
1	7A	9	PHE	CG-CD2-CE2	-10.88	102.21	120.70
1	1A	39	GLN	N-CA-C	-10.88	98.31	111.69
1	1I	39	GLN	N-CA-C	-10.88	98.31	111.69
1	2E	39	GLN	N-CA-C	-10.88	98.31	111.69
1	26	39	GLN	N-CA-C	-10.88	98.31	111.69
1	3E	39	GLN	N-CA-C	-10.88	98.31	111.69
1	4A	39	GLN	N-CA-C	-10.88	98.31	111.69
1	4M	39	GLN	N-CA-C	-10.88	98.31	111.69
1	4U	39	GLN	N-CA-C	-10.88	98.31	111.69
1	5Q	39	GLN	N-CA-C	-10.88	98.31	111.69
1	6I	39	GLN	N-CA-C	-10.88	98.31	111.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	39	GLN	N-CA-C	-10.88	98.31	111.69
1	7M	39	GLN	N-CA-C	-10.88	98.31	111.69
1	1Q	9	PHE	CG-CD2-CE2	-10.86	102.23	120.70
1	1U	9	PHE	CG-CD2-CE2	-10.86	102.23	120.70
1	1Y	9	PHE	CG-CD2-CE2	-10.86	102.23	120.70
1	2Q	9	PHE	CG-CD2-CE2	-10.86	102.23	120.70
1	2U	9	PHE	CG-CD2-CE2	-10.86	102.23	120.70
1	2Y	9	PHE	CG-CD2-CE2	-10.86	102.23	120.70
1	42	9	PHE	CG-CD2-CE2	-10.86	102.23	120.70
1	46	9	PHE	CG-CD2-CE2	-10.86	102.23	120.70
1	5A	9	PHE	CG-CD2-CE2	-10.86	102.23	120.70
1	52	9	PHE	CG-CD2-CE2	-10.86	102.23	120.70
1	56	9	PHE	CG-CD2-CE2	-10.86	102.23	120.70
1	6A	9	PHE	CG-CD2-CE2	-10.86	102.23	120.70
2	1N	23	HIS	CA-C-O	-10.86	105.28	120.16
1	12	91	PRO	N-CA-CB	-10.86	90.58	102.85
2	13	75	GLN	CA-C-O	-10.86	108.42	121.56
1	16	91	PRO	N-CA-CB	-10.86	90.58	102.85
2	17	75	GLN	CA-C-O	-10.86	108.42	121.56
1	2A	91	PRO	N-CA-CB	-10.86	90.58	102.85
2	2B	75	GLN	CA-C-O	-10.86	108.42	121.56
2	2J	23	HIS	CA-C-O	-10.86	105.28	120.16
2	3B	23	HIS	CA-C-O	-10.86	105.28	120.16
2	3J	23	HIS	CA-C-O	-10.86	105.28	120.16
1	3Q	91	PRO	N-CA-CB	-10.86	90.58	102.85
2	3R	75	GLN	CA-C-O	-10.86	108.42	121.56
1	3U	91	PRO	N-CA-CB	-10.86	90.58	102.85
2	3V	75	GLN	CA-C-O	-10.86	108.42	121.56
1	3Y	91	PRO	N-CA-CB	-10.86	90.58	102.85
2	3Z	75	GLN	CA-C-O	-10.86	108.42	121.56
2	33	23	HIS	CA-C-O	-10.86	105.28	120.16
2	4F	23	HIS	CA-C-O	-10.86	105.28	120.16
2	4Z	23	HIS	CA-C-O	-10.86	105.28	120.16
1	5E	91	PRO	N-CA-CB	-10.86	90.58	102.85
2	5F	75	GLN	CA-C-O	-10.86	108.42	121.56
1	5I	91	PRO	N-CA-CB	-10.86	90.58	102.85
2	5J	75	GLN	CA-C-O	-10.86	108.42	121.56
1	5M	91	PRO	N-CA-CB	-10.86	90.58	102.85
2	5N	75	GLN	CA-C-O	-10.86	108.42	121.56
2	5V	23	HIS	CA-C-O	-10.86	105.28	120.16
2	6N	23	HIS	CA-C-O	-10.86	105.28	120.16
2	6V	23	HIS	CA-C-O	-10.86	105.28	120.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	62	91	PRO	N-CA-CB	-10.86	90.58	102.85
2	63	75	GLN	CA-C-O	-10.86	108.42	121.56
1	66	91	PRO	N-CA-CB	-10.86	90.58	102.85
2	67	75	GLN	CA-C-O	-10.86	108.42	121.56
1	7A	91	PRO	N-CA-CB	-10.86	90.58	102.85
2	7B	75	GLN	CA-C-O	-10.86	108.42	121.56
2	7F	23	HIS	CA-C-O	-10.86	105.28	120.16
2	7R	23	HIS	CA-C-O	-10.86	105.28	120.16
2	1B	75	GLN	CA-C-O	-10.86	108.42	121.56
2	1F	23	HIS	CA-C-O	-10.86	105.29	120.16
2	1J	75	GLN	CA-C-O	-10.86	108.42	121.56
2	2F	75	GLN	CA-C-O	-10.86	108.42	121.56
2	2N	23	HIS	CA-C-O	-10.86	105.29	120.16
2	23	23	HIS	CA-C-O	-10.86	105.29	120.16
2	27	75	GLN	CA-C-O	-10.86	108.42	121.56
2	3F	75	GLN	CA-C-O	-10.86	108.42	121.56
2	3N	23	HIS	CA-C-O	-10.86	105.29	120.16
2	37	23	HIS	CA-C-O	-10.86	105.29	120.16
2	4B	75	GLN	CA-C-O	-10.86	108.42	121.56
2	4J	23	HIS	CA-C-O	-10.86	105.29	120.16
2	4N	75	GLN	CA-C-O	-10.86	108.42	121.56
2	4R	23	HIS	CA-C-O	-10.86	105.29	120.16
2	4V	75	GLN	CA-C-O	-10.86	108.42	121.56
2	5R	75	GLN	CA-C-O	-10.86	108.42	121.56
2	5Z	23	HIS	CA-C-O	-10.86	105.29	120.16
2	6F	23	HIS	CA-C-O	-10.86	105.29	120.16
2	6J	75	GLN	CA-C-O	-10.86	108.42	121.56
2	6R	75	GLN	CA-C-O	-10.86	108.42	121.56
2	6Z	23	HIS	CA-C-O	-10.86	105.29	120.16
2	7J	23	HIS	CA-C-O	-10.86	105.29	120.16
2	7N	75	GLN	CA-C-O	-10.86	108.42	121.56
2	7V	23	HIS	CA-C-O	-10.86	105.29	120.16
1	1A	9	PHE	CG-CD2-CE2	-10.85	102.25	120.70
1	1A	91	PRO	N-CA-CB	-10.85	90.59	102.85
1	1E	39	GLN	N-CA-C	-10.85	98.34	111.69
1	1I	9	PHE	CG-CD2-CE2	-10.85	102.25	120.70
1	1I	91	PRO	N-CA-CB	-10.85	90.59	102.85
1	2E	9	PHE	CG-CD2-CE2	-10.85	102.25	120.70
1	2E	91	PRO	N-CA-CB	-10.85	90.59	102.85
1	2M	39	GLN	N-CA-C	-10.85	98.34	111.69
1	22	39	GLN	N-CA-C	-10.85	98.34	111.69
1	26	9	PHE	CG-CD2-CE2	-10.85	102.25	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	26	91	PRO	N-CA-CB	-10.85	90.59	102.85
1	3E	9	PHE	CG-CD2-CE2	-10.85	102.25	120.70
1	3E	91	PRO	N-CA-CB	-10.85	90.59	102.85
1	3M	39	GLN	N-CA-C	-10.85	98.34	111.69
1	36	39	GLN	N-CA-C	-10.85	98.34	111.69
1	4A	9	PHE	CG-CD2-CE2	-10.85	102.25	120.70
1	4A	91	PRO	N-CA-CB	-10.85	90.59	102.85
1	4I	39	GLN	N-CA-C	-10.85	98.34	111.69
1	4M	9	PHE	CG-CD2-CE2	-10.85	102.25	120.70
1	4M	91	PRO	N-CA-CB	-10.85	90.59	102.85
1	4Q	39	GLN	N-CA-C	-10.85	98.34	111.69
1	4U	9	PHE	CG-CD2-CE2	-10.85	102.25	120.70
1	4U	91	PRO	N-CA-CB	-10.85	90.59	102.85
1	5Q	9	PHE	CG-CD2-CE2	-10.85	102.25	120.70
1	5Q	91	PRO	N-CA-CB	-10.85	90.59	102.85
1	5Y	39	GLN	N-CA-C	-10.85	98.34	111.69
1	6E	39	GLN	N-CA-C	-10.85	98.34	111.69
1	6I	9	PHE	CG-CD2-CE2	-10.85	102.25	120.70
1	6I	91	PRO	N-CA-CB	-10.85	90.59	102.85
1	6Q	9	PHE	CG-CD2-CE2	-10.85	102.25	120.70
1	6Q	91	PRO	N-CA-CB	-10.85	90.59	102.85
1	6Y	39	GLN	N-CA-C	-10.85	98.34	111.69
1	7I	39	GLN	N-CA-C	-10.85	98.34	111.69
1	7M	9	PHE	CG-CD2-CE2	-10.85	102.25	120.70
1	7M	91	PRO	N-CA-CB	-10.85	90.59	102.85
1	7U	39	GLN	N-CA-C	-10.85	98.34	111.69
2	1R	23	HIS	CA-C-O	-10.85	105.29	120.16
2	1V	23	HIS	CA-C-O	-10.85	105.29	120.16
2	1Z	23	HIS	CA-C-O	-10.85	105.29	120.16
2	2R	23	HIS	CA-C-O	-10.85	105.29	120.16
2	2V	23	HIS	CA-C-O	-10.85	105.29	120.16
2	2Z	23	HIS	CA-C-O	-10.85	105.29	120.16
2	43	23	HIS	CA-C-O	-10.85	105.29	120.16
2	47	23	HIS	CA-C-O	-10.85	105.29	120.16
2	5B	23	HIS	CA-C-O	-10.85	105.29	120.16
2	53	23	HIS	CA-C-O	-10.85	105.29	120.16
2	57	23	HIS	CA-C-O	-10.85	105.29	120.16
2	6B	23	HIS	CA-C-O	-10.85	105.29	120.16
2	1B	23	HIS	CA-C-O	-10.84	105.31	120.16
1	1E	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	1E	30	PHE	O-C-N	10.84	135.42	122.84
2	1J	23	HIS	CA-C-O	-10.84	105.31	120.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1M	91	PRO	N-CA-CB	-10.84	90.60	102.85
2	13	23	HIS	CA-C-O	-10.84	105.30	120.16
2	17	23	HIS	CA-C-O	-10.84	105.30	120.16
2	2B	23	HIS	CA-C-O	-10.84	105.30	120.16
2	2F	23	HIS	CA-C-O	-10.84	105.31	120.16
1	2I	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	2M	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	2M	30	PHE	O-C-N	10.84	135.42	122.84
1	22	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	22	30	PHE	O-C-N	10.84	135.42	122.84
2	27	23	HIS	CA-C-O	-10.84	105.31	120.16
1	3A	91	PRO	N-CA-CB	-10.84	90.60	102.85
2	3F	23	HIS	CA-C-O	-10.84	105.31	120.16
1	3I	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	3M	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	3M	30	PHE	O-C-N	10.84	135.42	122.84
2	3R	23	HIS	CA-C-O	-10.84	105.30	120.16
2	3V	23	HIS	CA-C-O	-10.84	105.30	120.16
2	3Z	23	HIS	CA-C-O	-10.84	105.30	120.16
1	32	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	36	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	36	30	PHE	O-C-N	10.84	135.42	122.84
2	4B	23	HIS	CA-C-O	-10.84	105.31	120.16
1	4E	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	4I	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	4I	30	PHE	O-C-N	10.84	135.42	122.84
2	4N	23	HIS	CA-C-O	-10.84	105.31	120.16
1	4Q	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	4Q	30	PHE	O-C-N	10.84	135.42	122.84
2	4V	23	HIS	CA-C-O	-10.84	105.31	120.16
1	4Y	91	PRO	N-CA-CB	-10.84	90.60	102.85
2	5F	23	HIS	CA-C-O	-10.84	105.30	120.16
2	5J	23	HIS	CA-C-O	-10.84	105.30	120.16
2	5N	23	HIS	CA-C-O	-10.84	105.30	120.16
2	5R	23	HIS	CA-C-O	-10.84	105.31	120.16
1	5U	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	5Y	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	5Y	30	PHE	O-C-N	10.84	135.42	122.84
1	6E	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	6E	30	PHE	O-C-N	10.84	135.42	122.84
2	6J	23	HIS	CA-C-O	-10.84	105.31	120.16
1	6M	91	PRO	N-CA-CB	-10.84	90.60	102.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	23	HIS	CA-C-O	-10.84	105.31	120.16
1	6U	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	6Y	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	6Y	30	PHE	O-C-N	10.84	135.42	122.84
2	63	23	HIS	CA-C-O	-10.84	105.30	120.16
2	67	23	HIS	CA-C-O	-10.84	105.30	120.16
2	7B	23	HIS	CA-C-O	-10.84	105.30	120.16
1	7E	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	7I	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	7I	30	PHE	O-C-N	10.84	135.42	122.84
2	7N	23	HIS	CA-C-O	-10.84	105.31	120.16
1	7Q	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	7U	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	7U	30	PHE	O-C-N	10.84	135.42	122.84
1	1E	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	1M	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	2I	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	2M	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	22	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	3A	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	3I	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	3M	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	32	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	36	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	4E	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	4I	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	4Q	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	4Y	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	5U	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	5Y	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	6E	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	6M	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	6U	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	6Y	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	7E	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	7I	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	7Q	9	PHE	CG-CD2-CE2	-10.84	102.27	120.70
1	7U	91	PRO	N-CA-CB	-10.84	90.60	102.85
1	1E	149	THR	CB-CA-C	-10.84	87.57	109.79
1	1Q	91	PRO	N-CA-CB	-10.84	90.61	102.85
1	1U	91	PRO	N-CA-CB	-10.84	90.61	102.85
1	1Y	91	PRO	N-CA-CB	-10.84	90.61	102.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	13	5	ASN	N-CA-C	-10.84	92.72	110.17
2	17	5	ASN	N-CA-C	-10.84	92.72	110.17
2	2B	5	ASN	N-CA-C	-10.84	92.72	110.17
1	2M	149	THR	CB-CA-C	-10.84	87.57	109.79
1	2Q	91	PRO	N-CA-CB	-10.84	90.61	102.85
1	2U	91	PRO	N-CA-CB	-10.84	90.61	102.85
1	2Y	91	PRO	N-CA-CB	-10.84	90.61	102.85
1	22	149	THR	CB-CA-C	-10.84	87.57	109.79
1	3M	149	THR	CB-CA-C	-10.84	87.57	109.79
2	3R	5	ASN	N-CA-C	-10.84	92.72	110.17
2	3V	5	ASN	N-CA-C	-10.84	92.72	110.17
2	3Z	5	ASN	N-CA-C	-10.84	92.72	110.17
1	36	149	THR	CB-CA-C	-10.84	87.57	109.79
1	4I	149	THR	CB-CA-C	-10.84	87.57	109.79
1	4Q	149	THR	CB-CA-C	-10.84	87.57	109.79
1	42	91	PRO	N-CA-CB	-10.84	90.61	102.85
1	46	91	PRO	N-CA-CB	-10.84	90.61	102.85
1	5A	91	PRO	N-CA-CB	-10.84	90.61	102.85
2	5F	5	ASN	N-CA-C	-10.84	92.72	110.17
2	5J	5	ASN	N-CA-C	-10.84	92.72	110.17
2	5N	5	ASN	N-CA-C	-10.84	92.72	110.17
1	5Y	149	THR	CB-CA-C	-10.84	87.57	109.79
1	52	91	PRO	N-CA-CB	-10.84	90.61	102.85
1	56	91	PRO	N-CA-CB	-10.84	90.61	102.85
1	6A	91	PRO	N-CA-CB	-10.84	90.61	102.85
1	6E	149	THR	CB-CA-C	-10.84	87.57	109.79
1	6Y	149	THR	CB-CA-C	-10.84	87.57	109.79
2	63	5	ASN	N-CA-C	-10.84	92.72	110.17
2	67	5	ASN	N-CA-C	-10.84	92.72	110.17
2	7B	5	ASN	N-CA-C	-10.84	92.72	110.17
1	7I	149	THR	CB-CA-C	-10.84	87.57	109.79
1	7U	149	THR	CB-CA-C	-10.84	87.57	109.79
2	1B	5	ASN	N-CA-C	-10.84	92.73	110.17
2	1J	5	ASN	N-CA-C	-10.84	92.73	110.17
1	1M	30	PHE	O-C-N	10.84	135.41	122.84
2	2F	5	ASN	N-CA-C	-10.84	92.73	110.17
1	2I	30	PHE	O-C-N	10.84	135.41	122.84
2	27	5	ASN	N-CA-C	-10.84	92.73	110.17
1	3A	30	PHE	O-C-N	10.84	135.41	122.84
2	3F	5	ASN	N-CA-C	-10.84	92.73	110.17
1	3I	30	PHE	O-C-N	10.84	135.41	122.84
1	32	30	PHE	O-C-N	10.84	135.41	122.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	5	ASN	N-CA-C	-10.84	92.73	110.17
1	4E	30	PHE	O-C-N	10.84	135.41	122.84
2	4N	5	ASN	N-CA-C	-10.84	92.73	110.17
2	4V	5	ASN	N-CA-C	-10.84	92.73	110.17
1	4Y	30	PHE	O-C-N	10.84	135.41	122.84
2	5R	5	ASN	N-CA-C	-10.84	92.73	110.17
1	5U	30	PHE	O-C-N	10.84	135.41	122.84
2	6J	5	ASN	N-CA-C	-10.84	92.73	110.17
1	6M	30	PHE	O-C-N	10.84	135.41	122.84
2	6R	5	ASN	N-CA-C	-10.84	92.73	110.17
1	6U	30	PHE	O-C-N	10.84	135.41	122.84
1	7E	30	PHE	O-C-N	10.84	135.41	122.84
2	7N	5	ASN	N-CA-C	-10.84	92.73	110.17
1	7Q	30	PHE	O-C-N	10.84	135.41	122.84
1	1Q	149	THR	CB-CA-C	-10.83	87.59	109.79
1	1U	149	THR	CB-CA-C	-10.83	87.59	109.79
1	1Y	149	THR	CB-CA-C	-10.83	87.59	109.79
1	2Q	149	THR	CB-CA-C	-10.83	87.59	109.79
1	2U	149	THR	CB-CA-C	-10.83	87.59	109.79
1	2Y	149	THR	CB-CA-C	-10.83	87.59	109.79
1	42	149	THR	CB-CA-C	-10.83	87.59	109.79
1	46	149	THR	CB-CA-C	-10.83	87.59	109.79
1	5A	149	THR	CB-CA-C	-10.83	87.59	109.79
1	52	149	THR	CB-CA-C	-10.83	87.59	109.79
1	56	149	THR	CB-CA-C	-10.83	87.59	109.79
1	6A	149	THR	CB-CA-C	-10.83	87.59	109.79
1	1A	149	THR	CB-CA-C	-10.82	87.60	109.79
1	1I	149	THR	CB-CA-C	-10.82	87.60	109.79
1	1M	149	THR	CB-CA-C	-10.82	87.60	109.79
1	2E	149	THR	CB-CA-C	-10.82	87.60	109.79
1	2I	149	THR	CB-CA-C	-10.82	87.60	109.79
1	26	149	THR	CB-CA-C	-10.82	87.60	109.79
1	3A	149	THR	CB-CA-C	-10.82	87.60	109.79
1	3E	149	THR	CB-CA-C	-10.82	87.60	109.79
1	3I	149	THR	CB-CA-C	-10.82	87.60	109.79
1	32	149	THR	CB-CA-C	-10.82	87.60	109.79
1	4A	149	THR	CB-CA-C	-10.82	87.60	109.79
1	4E	149	THR	CB-CA-C	-10.82	87.60	109.79
1	4M	149	THR	CB-CA-C	-10.82	87.60	109.79
1	4U	149	THR	CB-CA-C	-10.82	87.60	109.79
1	4Y	149	THR	CB-CA-C	-10.82	87.60	109.79
1	5Q	149	THR	CB-CA-C	-10.82	87.60	109.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5U	149	THR	CB-CA-C	-10.82	87.60	109.79
1	6I	149	THR	CB-CA-C	-10.82	87.60	109.79
1	6M	149	THR	CB-CA-C	-10.82	87.60	109.79
1	6Q	149	THR	CB-CA-C	-10.82	87.60	109.79
1	6U	149	THR	CB-CA-C	-10.82	87.60	109.79
1	7E	149	THR	CB-CA-C	-10.82	87.60	109.79
1	7M	149	THR	CB-CA-C	-10.82	87.60	109.79
1	7Q	149	THR	CB-CA-C	-10.82	87.60	109.79
2	1F	5	ASN	N-CA-C	-10.82	92.75	110.17
2	1R	5	ASN	N-CA-C	-10.82	92.75	110.17
2	1V	5	ASN	N-CA-C	-10.82	92.75	110.17
2	1Z	5	ASN	N-CA-C	-10.82	92.75	110.17
2	2N	5	ASN	N-CA-C	-10.82	92.75	110.17
2	2R	5	ASN	N-CA-C	-10.82	92.75	110.17
2	2V	5	ASN	N-CA-C	-10.82	92.75	110.17
2	2Z	5	ASN	N-CA-C	-10.82	92.75	110.17
2	23	5	ASN	N-CA-C	-10.82	92.75	110.17
2	3N	5	ASN	N-CA-C	-10.82	92.75	110.17
2	37	5	ASN	N-CA-C	-10.82	92.75	110.17
2	4J	5	ASN	N-CA-C	-10.82	92.75	110.17
2	4R	5	ASN	N-CA-C	-10.82	92.75	110.17
2	43	5	ASN	N-CA-C	-10.82	92.75	110.17
2	47	5	ASN	N-CA-C	-10.82	92.75	110.17
2	5B	5	ASN	N-CA-C	-10.82	92.75	110.17
2	5Z	5	ASN	N-CA-C	-10.82	92.75	110.17
2	53	5	ASN	N-CA-C	-10.82	92.75	110.17
2	57	5	ASN	N-CA-C	-10.82	92.75	110.17
2	6B	5	ASN	N-CA-C	-10.82	92.75	110.17
2	6F	5	ASN	N-CA-C	-10.82	92.75	110.17
2	6Z	5	ASN	N-CA-C	-10.82	92.75	110.17
2	7J	5	ASN	N-CA-C	-10.82	92.75	110.17
2	7V	5	ASN	N-CA-C	-10.82	92.75	110.17
1	12	149	THR	CB-CA-C	-10.82	87.61	109.79
1	16	149	THR	CB-CA-C	-10.82	87.61	109.79
1	2A	149	THR	CB-CA-C	-10.82	87.61	109.79
1	3Q	149	THR	CB-CA-C	-10.82	87.61	109.79
1	3U	149	THR	CB-CA-C	-10.82	87.61	109.79
1	3Y	149	THR	CB-CA-C	-10.82	87.61	109.79
1	5E	149	THR	CB-CA-C	-10.82	87.61	109.79
1	5I	149	THR	CB-CA-C	-10.82	87.61	109.79
1	5M	149	THR	CB-CA-C	-10.82	87.61	109.79
1	62	149	THR	CB-CA-C	-10.82	87.61	109.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	149	THR	CB-CA-C	-10.82	87.61	109.79
1	7A	149	THR	CB-CA-C	-10.82	87.61	109.79
2	1F	75	GLN	CA-C-O	-10.82	108.47	121.56
2	2N	75	GLN	CA-C-O	-10.82	108.47	121.56
2	23	75	GLN	CA-C-O	-10.82	108.47	121.56
2	3N	75	GLN	CA-C-O	-10.82	108.47	121.56
2	37	75	GLN	CA-C-O	-10.82	108.47	121.56
2	4J	75	GLN	CA-C-O	-10.82	108.47	121.56
2	4R	75	GLN	CA-C-O	-10.82	108.47	121.56
2	5Z	75	GLN	CA-C-O	-10.82	108.47	121.56
2	6F	75	GLN	CA-C-O	-10.82	108.47	121.56
2	6Z	75	GLN	CA-C-O	-10.82	108.47	121.56
2	7J	75	GLN	CA-C-O	-10.82	108.47	121.56
2	7V	75	GLN	CA-C-O	-10.82	108.47	121.56
1	1A	30	PHE	O-C-N	10.81	135.38	122.84
1	1I	30	PHE	O-C-N	10.81	135.38	122.84
2	1N	75	GLN	CA-C-O	-10.81	108.48	121.56
1	2E	30	PHE	O-C-N	10.81	135.38	122.84
2	2J	75	GLN	CA-C-O	-10.81	108.48	121.56
1	26	30	PHE	O-C-N	10.81	135.38	122.84
2	3B	75	GLN	CA-C-O	-10.81	108.48	121.56
1	3E	30	PHE	O-C-N	10.81	135.38	122.84
2	3J	75	GLN	CA-C-O	-10.81	108.48	121.56
2	33	75	GLN	CA-C-O	-10.81	108.48	121.56
1	4A	30	PHE	O-C-N	10.81	135.38	122.84
2	4F	75	GLN	CA-C-O	-10.81	108.48	121.56
1	4M	30	PHE	O-C-N	10.81	135.38	122.84
1	4U	30	PHE	O-C-N	10.81	135.38	122.84
2	4Z	75	GLN	CA-C-O	-10.81	108.48	121.56
1	5Q	30	PHE	O-C-N	10.81	135.38	122.84
2	5V	75	GLN	CA-C-O	-10.81	108.48	121.56
1	6I	30	PHE	O-C-N	10.81	135.38	122.84
2	6N	75	GLN	CA-C-O	-10.81	108.48	121.56
1	6Q	30	PHE	O-C-N	10.81	135.38	122.84
2	6V	75	GLN	CA-C-O	-10.81	108.48	121.56
2	7F	75	GLN	CA-C-O	-10.81	108.48	121.56
1	7M	30	PHE	O-C-N	10.81	135.38	122.84
2	7R	75	GLN	CA-C-O	-10.81	108.48	121.56
2	1N	43	SER	N-CA-CB	-10.80	92.26	109.87
2	2J	43	SER	N-CA-CB	-10.80	92.26	109.87
2	3B	43	SER	N-CA-CB	-10.80	92.26	109.87
2	3J	43	SER	N-CA-CB	-10.80	92.26	109.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	43	SER	N-CA-CB	-10.80	92.26	109.87
2	4F	43	SER	N-CA-CB	-10.80	92.26	109.87
2	4Z	43	SER	N-CA-CB	-10.80	92.26	109.87
2	5V	43	SER	N-CA-CB	-10.80	92.26	109.87
2	6N	43	SER	N-CA-CB	-10.80	92.26	109.87
2	6V	43	SER	N-CA-CB	-10.80	92.26	109.87
2	7F	43	SER	N-CA-CB	-10.80	92.26	109.87
2	7R	43	SER	N-CA-CB	-10.80	92.26	109.87
2	1N	5	ASN	N-CA-C	-10.80	92.78	110.17
1	1Q	30	PHE	O-C-N	10.80	135.37	122.84
1	1U	30	PHE	O-C-N	10.80	135.37	122.84
1	1Y	30	PHE	O-C-N	10.80	135.37	122.84
2	2J	5	ASN	N-CA-C	-10.80	92.78	110.17
1	2Q	30	PHE	O-C-N	10.80	135.37	122.84
1	2U	30	PHE	O-C-N	10.80	135.37	122.84
1	2Y	30	PHE	O-C-N	10.80	135.37	122.84
2	3B	5	ASN	N-CA-C	-10.80	92.78	110.17
2	3J	5	ASN	N-CA-C	-10.80	92.78	110.17
2	33	5	ASN	N-CA-C	-10.80	92.78	110.17
2	4F	5	ASN	N-CA-C	-10.80	92.78	110.17
2	4Z	5	ASN	N-CA-C	-10.80	92.78	110.17
1	42	30	PHE	O-C-N	10.80	135.37	122.84
1	46	30	PHE	O-C-N	10.80	135.37	122.84
1	5A	30	PHE	O-C-N	10.80	135.37	122.84
2	5V	5	ASN	N-CA-C	-10.80	92.78	110.17
1	52	30	PHE	O-C-N	10.80	135.37	122.84
1	56	30	PHE	O-C-N	10.80	135.37	122.84
1	6A	30	PHE	O-C-N	10.80	135.37	122.84
2	6N	5	ASN	N-CA-C	-10.80	92.78	110.17
2	6V	5	ASN	N-CA-C	-10.80	92.78	110.17
2	7F	5	ASN	N-CA-C	-10.80	92.78	110.17
2	7R	5	ASN	N-CA-C	-10.80	92.78	110.17
1	12	30	PHE	O-C-N	10.80	135.37	122.84
1	16	30	PHE	O-C-N	10.80	135.37	122.84
1	2A	30	PHE	O-C-N	10.80	135.37	122.84
1	3Q	30	PHE	O-C-N	10.80	135.37	122.84
1	3U	30	PHE	O-C-N	10.80	135.37	122.84
1	3Y	30	PHE	O-C-N	10.80	135.37	122.84
1	5E	30	PHE	O-C-N	10.80	135.37	122.84
1	5I	30	PHE	O-C-N	10.80	135.37	122.84
1	5M	30	PHE	O-C-N	10.80	135.37	122.84
1	62	30	PHE	O-C-N	10.80	135.37	122.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	30	PHE	O-C-N	10.80	135.37	122.84
1	7A	30	PHE	O-C-N	10.80	135.37	122.84
2	1R	43	SER	N-CA-CB	-10.79	92.28	109.87
2	1V	43	SER	N-CA-CB	-10.79	92.28	109.87
2	1Z	43	SER	N-CA-CB	-10.79	92.28	109.87
2	2R	43	SER	N-CA-CB	-10.79	92.28	109.87
2	2V	43	SER	N-CA-CB	-10.79	92.28	109.87
2	2Z	43	SER	N-CA-CB	-10.79	92.28	109.87
2	43	43	SER	N-CA-CB	-10.79	92.28	109.87
2	47	43	SER	N-CA-CB	-10.79	92.28	109.87
2	5B	43	SER	N-CA-CB	-10.79	92.28	109.87
2	53	43	SER	N-CA-CB	-10.79	92.28	109.87
2	57	43	SER	N-CA-CB	-10.79	92.28	109.87
2	6B	43	SER	N-CA-CB	-10.79	92.28	109.87
2	1B	43	SER	N-CA-CB	-10.79	92.28	109.87
2	1J	43	SER	N-CA-CB	-10.79	92.28	109.87
2	2F	43	SER	N-CA-CB	-10.79	92.28	109.87
2	27	43	SER	N-CA-CB	-10.79	92.28	109.87
2	3F	43	SER	N-CA-CB	-10.79	92.28	109.87
2	4B	43	SER	N-CA-CB	-10.79	92.28	109.87
2	4N	43	SER	N-CA-CB	-10.79	92.28	109.87
2	4V	43	SER	N-CA-CB	-10.79	92.28	109.87
2	5R	43	SER	N-CA-CB	-10.79	92.28	109.87
2	6J	43	SER	N-CA-CB	-10.79	92.28	109.87
2	6R	43	SER	N-CA-CB	-10.79	92.28	109.87
2	7N	43	SER	N-CA-CB	-10.79	92.28	109.87
1	1E	94	THR	CA-CB-OG1	10.79	125.78	109.60
2	13	43	SER	N-CA-CB	-10.79	92.29	109.87
2	17	43	SER	N-CA-CB	-10.79	92.29	109.87
2	2B	43	SER	N-CA-CB	-10.79	92.29	109.87
1	2M	94	THR	CA-CB-OG1	10.79	125.78	109.60
1	22	94	THR	CA-CB-OG1	10.79	125.78	109.60
1	3M	94	THR	CA-CB-OG1	10.79	125.78	109.60
2	3R	43	SER	N-CA-CB	-10.79	92.29	109.87
2	3V	43	SER	N-CA-CB	-10.79	92.29	109.87
2	3Z	43	SER	N-CA-CB	-10.79	92.29	109.87
1	36	94	THR	CA-CB-OG1	10.79	125.78	109.60
1	4I	94	THR	CA-CB-OG1	10.79	125.78	109.60
1	4Q	94	THR	CA-CB-OG1	10.79	125.78	109.60
2	5F	43	SER	N-CA-CB	-10.79	92.29	109.87
2	5J	43	SER	N-CA-CB	-10.79	92.29	109.87
2	5N	43	SER	N-CA-CB	-10.79	92.29	109.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	94	THR	CA-CB-OG1	10.79	125.78	109.60
1	6E	94	THR	CA-CB-OG1	10.79	125.78	109.60
1	6Y	94	THR	CA-CB-OG1	10.79	125.78	109.60
2	63	43	SER	N-CA-CB	-10.79	92.29	109.87
2	67	43	SER	N-CA-CB	-10.79	92.29	109.87
2	7B	43	SER	N-CA-CB	-10.79	92.29	109.87
1	7I	94	THR	CA-CB-OG1	10.79	125.78	109.60
1	7U	94	THR	CA-CB-OG1	10.79	125.78	109.60
1	1Q	94	THR	CA-CB-OG1	10.78	125.76	109.60
1	1U	94	THR	CA-CB-OG1	10.78	125.76	109.60
1	1Y	94	THR	CA-CB-OG1	10.78	125.76	109.60
1	2Q	94	THR	CA-CB-OG1	10.78	125.76	109.60
1	2U	94	THR	CA-CB-OG1	10.78	125.76	109.60
1	2Y	94	THR	CA-CB-OG1	10.78	125.76	109.60
1	42	94	THR	CA-CB-OG1	10.78	125.76	109.60
1	46	94	THR	CA-CB-OG1	10.78	125.76	109.60
1	5A	94	THR	CA-CB-OG1	10.78	125.76	109.60
1	52	94	THR	CA-CB-OG1	10.78	125.76	109.60
1	56	94	THR	CA-CB-OG1	10.78	125.76	109.60
1	6A	94	THR	CA-CB-OG1	10.78	125.76	109.60
1	1E	16	THR	CB-CA-C	10.77	129.78	110.72
1	2M	16	THR	CB-CA-C	10.77	129.78	110.72
1	22	16	THR	CB-CA-C	10.77	129.78	110.72
1	3M	16	THR	CB-CA-C	10.77	129.78	110.72
1	36	16	THR	CB-CA-C	10.77	129.78	110.72
1	4I	16	THR	CB-CA-C	10.77	129.78	110.72
1	4Q	16	THR	CB-CA-C	10.77	129.78	110.72
1	5Y	16	THR	CB-CA-C	10.77	129.78	110.72
1	6E	16	THR	CB-CA-C	10.77	129.78	110.72
1	6Y	16	THR	CB-CA-C	10.77	129.78	110.72
1	7I	16	THR	CB-CA-C	10.77	129.78	110.72
1	7U	16	THR	CB-CA-C	10.77	129.78	110.72
2	1F	43	SER	N-CA-CB	-10.77	92.32	109.87
2	2N	43	SER	N-CA-CB	-10.77	92.32	109.87
2	23	43	SER	N-CA-CB	-10.77	92.32	109.87
2	3N	43	SER	N-CA-CB	-10.77	92.32	109.87
2	37	43	SER	N-CA-CB	-10.77	92.32	109.87
2	4J	43	SER	N-CA-CB	-10.77	92.32	109.87
2	4R	43	SER	N-CA-CB	-10.77	92.32	109.87
2	5Z	43	SER	N-CA-CB	-10.77	92.32	109.87
2	6F	43	SER	N-CA-CB	-10.77	92.32	109.87
2	6Z	43	SER	N-CA-CB	-10.77	92.32	109.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	43	SER	N-CA-CB	-10.77	92.32	109.87
2	7V	43	SER	N-CA-CB	-10.77	92.32	109.87
1	12	16	THR	CB-CA-C	10.77	129.78	110.72
1	16	16	THR	CB-CA-C	10.77	129.78	110.72
1	2A	16	THR	CB-CA-C	10.77	129.78	110.72
1	3Q	16	THR	CB-CA-C	10.77	129.78	110.72
1	3U	16	THR	CB-CA-C	10.77	129.78	110.72
1	3Y	16	THR	CB-CA-C	10.77	129.78	110.72
1	5E	16	THR	CB-CA-C	10.77	129.78	110.72
1	5I	16	THR	CB-CA-C	10.77	129.78	110.72
1	5M	16	THR	CB-CA-C	10.77	129.78	110.72
1	62	16	THR	CB-CA-C	10.77	129.78	110.72
1	66	16	THR	CB-CA-C	10.77	129.78	110.72
1	7A	16	THR	CB-CA-C	10.77	129.78	110.72
1	1Q	16	THR	CB-CA-C	10.76	129.77	110.72
1	1U	16	THR	CB-CA-C	10.76	129.77	110.72
1	1Y	16	THR	CB-CA-C	10.76	129.77	110.72
1	2Q	16	THR	CB-CA-C	10.76	129.77	110.72
1	2U	16	THR	CB-CA-C	10.76	129.77	110.72
1	2Y	16	THR	CB-CA-C	10.76	129.77	110.72
1	42	16	THR	CB-CA-C	10.76	129.77	110.72
1	46	16	THR	CB-CA-C	10.76	129.77	110.72
1	5A	16	THR	CB-CA-C	10.76	129.77	110.72
1	52	16	THR	CB-CA-C	10.76	129.77	110.72
1	56	16	THR	CB-CA-C	10.76	129.77	110.72
1	6A	16	THR	CB-CA-C	10.76	129.77	110.72
1	1A	16	THR	CB-CA-C	10.76	129.77	110.72
1	1I	16	THR	CB-CA-C	10.76	129.77	110.72
1	2E	16	THR	CB-CA-C	10.76	129.77	110.72
1	26	16	THR	CB-CA-C	10.76	129.77	110.72
1	3E	16	THR	CB-CA-C	10.76	129.77	110.72
1	4A	16	THR	CB-CA-C	10.76	129.77	110.72
1	4M	16	THR	CB-CA-C	10.76	129.77	110.72
1	4U	16	THR	CB-CA-C	10.76	129.77	110.72
1	5Q	16	THR	CB-CA-C	10.76	129.77	110.72
1	6I	16	THR	CB-CA-C	10.76	129.77	110.72
1	6Q	16	THR	CB-CA-C	10.76	129.77	110.72
1	7M	16	THR	CB-CA-C	10.76	129.77	110.72
1	1M	16	THR	CB-CA-C	10.76	129.76	110.72
1	12	94	THR	CA-CB-OG1	10.76	125.73	109.60
1	16	94	THR	CA-CB-OG1	10.76	125.73	109.60
1	2A	94	THR	CA-CB-OG1	10.76	125.73	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	16	THR	CB-CA-C	10.76	129.76	110.72
1	3A	16	THR	CB-CA-C	10.76	129.76	110.72
1	3I	16	THR	CB-CA-C	10.76	129.76	110.72
1	3Q	94	THR	CA-CB-OG1	10.76	125.73	109.60
1	3U	94	THR	CA-CB-OG1	10.76	125.73	109.60
1	3Y	94	THR	CA-CB-OG1	10.76	125.73	109.60
1	32	16	THR	CB-CA-C	10.76	129.76	110.72
1	4E	16	THR	CB-CA-C	10.76	129.76	110.72
1	4Y	16	THR	CB-CA-C	10.76	129.76	110.72
1	5E	94	THR	CA-CB-OG1	10.76	125.73	109.60
1	5I	94	THR	CA-CB-OG1	10.76	125.73	109.60
1	5M	94	THR	CA-CB-OG1	10.76	125.73	109.60
1	5U	16	THR	CB-CA-C	10.76	129.76	110.72
1	6M	16	THR	CB-CA-C	10.76	129.76	110.72
1	6U	16	THR	CB-CA-C	10.76	129.76	110.72
1	62	94	THR	CA-CB-OG1	10.76	125.73	109.60
1	66	94	THR	CA-CB-OG1	10.76	125.73	109.60
1	7A	94	THR	CA-CB-OG1	10.76	125.73	109.60
1	7E	16	THR	CB-CA-C	10.76	129.76	110.72
1	7Q	16	THR	CB-CA-C	10.76	129.76	110.72
1	1A	94	THR	CA-CB-OG1	10.75	125.73	109.60
1	1I	94	THR	CA-CB-OG1	10.75	125.73	109.60
1	2E	94	THR	CA-CB-OG1	10.75	125.73	109.60
1	26	94	THR	CA-CB-OG1	10.75	125.73	109.60
1	3E	94	THR	CA-CB-OG1	10.75	125.73	109.60
1	4A	94	THR	CA-CB-OG1	10.75	125.73	109.60
1	4M	94	THR	CA-CB-OG1	10.75	125.73	109.60
1	4U	94	THR	CA-CB-OG1	10.75	125.73	109.60
1	5Q	94	THR	CA-CB-OG1	10.75	125.73	109.60
1	6I	94	THR	CA-CB-OG1	10.75	125.73	109.60
1	6Q	94	THR	CA-CB-OG1	10.75	125.73	109.60
1	7M	94	THR	CA-CB-OG1	10.75	125.73	109.60
1	1M	94	THR	CA-CB-OG1	10.73	125.70	109.60
1	2I	94	THR	CA-CB-OG1	10.73	125.70	109.60
1	3A	94	THR	CA-CB-OG1	10.73	125.70	109.60
1	3I	94	THR	CA-CB-OG1	10.73	125.70	109.60
1	32	94	THR	CA-CB-OG1	10.73	125.70	109.60
1	4E	94	THR	CA-CB-OG1	10.73	125.70	109.60
1	4Y	94	THR	CA-CB-OG1	10.73	125.70	109.60
1	5U	94	THR	CA-CB-OG1	10.73	125.70	109.60
1	6M	94	THR	CA-CB-OG1	10.73	125.70	109.60
1	6U	94	THR	CA-CB-OG1	10.73	125.70	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	94	THR	CA-CB-OG1	10.73	125.70	109.60
1	7Q	94	THR	CA-CB-OG1	10.73	125.70	109.60
2	1R	52	ASP	CB-CA-C	-10.72	90.15	111.60
2	1V	52	ASP	CB-CA-C	-10.72	90.15	111.60
2	1Z	52	ASP	CB-CA-C	-10.72	90.15	111.60
2	2R	52	ASP	CB-CA-C	-10.72	90.15	111.60
2	2V	52	ASP	CB-CA-C	-10.72	90.15	111.60
2	2Z	52	ASP	CB-CA-C	-10.72	90.15	111.60
2	43	52	ASP	CB-CA-C	-10.72	90.15	111.60
2	47	52	ASP	CB-CA-C	-10.72	90.15	111.60
2	5B	52	ASP	CB-CA-C	-10.72	90.15	111.60
2	53	52	ASP	CB-CA-C	-10.72	90.15	111.60
2	57	52	ASP	CB-CA-C	-10.72	90.15	111.60
2	6B	52	ASP	CB-CA-C	-10.72	90.15	111.60
1	1Q	178	SER	CA-C-N	-10.72	105.42	120.53
1	1Q	178	SER	C-N-CA	-10.72	105.42	120.53
1	1U	178	SER	CA-C-N	-10.72	105.42	120.53
1	1U	178	SER	C-N-CA	-10.72	105.42	120.53
1	1Y	178	SER	CA-C-N	-10.72	105.42	120.53
1	1Y	178	SER	C-N-CA	-10.72	105.42	120.53
2	13	58	LEU	CA-C-N	10.72	138.73	120.29
2	13	58	LEU	C-N-CA	10.72	138.73	120.29
2	17	58	LEU	CA-C-N	10.72	138.73	120.29
2	17	58	LEU	C-N-CA	10.72	138.73	120.29
2	2B	58	LEU	CA-C-N	10.72	138.73	120.29
2	2B	58	LEU	C-N-CA	10.72	138.73	120.29
1	2Q	178	SER	CA-C-N	-10.72	105.42	120.53
1	2Q	178	SER	C-N-CA	-10.72	105.42	120.53
1	2U	178	SER	CA-C-N	-10.72	105.42	120.53
1	2U	178	SER	C-N-CA	-10.72	105.42	120.53
1	2Y	178	SER	CA-C-N	-10.72	105.42	120.53
1	2Y	178	SER	C-N-CA	-10.72	105.42	120.53
2	3R	58	LEU	CA-C-N	10.72	138.73	120.29
2	3R	58	LEU	C-N-CA	10.72	138.73	120.29
2	3V	58	LEU	CA-C-N	10.72	138.73	120.29
2	3V	58	LEU	C-N-CA	10.72	138.73	120.29
2	3Z	58	LEU	CA-C-N	10.72	138.73	120.29
2	3Z	58	LEU	C-N-CA	10.72	138.73	120.29
1	42	178	SER	CA-C-N	-10.72	105.42	120.53
1	42	178	SER	C-N-CA	-10.72	105.42	120.53
1	46	178	SER	CA-C-N	-10.72	105.42	120.53
1	46	178	SER	C-N-CA	-10.72	105.42	120.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	178	SER	CA-C-N	-10.72	105.42	120.53
1	5A	178	SER	C-N-CA	-10.72	105.42	120.53
2	5F	58	LEU	CA-C-N	10.72	138.73	120.29
2	5F	58	LEU	C-N-CA	10.72	138.73	120.29
2	5J	58	LEU	CA-C-N	10.72	138.73	120.29
2	5J	58	LEU	C-N-CA	10.72	138.73	120.29
2	5N	58	LEU	CA-C-N	10.72	138.73	120.29
2	5N	58	LEU	C-N-CA	10.72	138.73	120.29
1	52	178	SER	CA-C-N	-10.72	105.42	120.53
1	52	178	SER	C-N-CA	-10.72	105.42	120.53
1	56	178	SER	CA-C-N	-10.72	105.42	120.53
1	56	178	SER	C-N-CA	-10.72	105.42	120.53
1	6A	178	SER	CA-C-N	-10.72	105.42	120.53
1	6A	178	SER	C-N-CA	-10.72	105.42	120.53
2	63	58	LEU	CA-C-N	10.72	138.73	120.29
2	63	58	LEU	C-N-CA	10.72	138.73	120.29
2	67	58	LEU	CA-C-N	10.72	138.73	120.29
2	67	58	LEU	C-N-CA	10.72	138.73	120.29
2	7B	58	LEU	CA-C-N	10.72	138.73	120.29
2	7B	58	LEU	C-N-CA	10.72	138.73	120.29
2	1F	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	1N	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	2J	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	2N	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	23	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	3B	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	3J	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	3N	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	33	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	37	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	4F	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	4J	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	4R	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	4Z	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	5V	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	5Z	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	6F	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	6N	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	6V	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	6Z	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	7F	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	7J	52	ASP	CB-CA-C	-10.71	90.17	111.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	7V	52	ASP	CB-CA-C	-10.71	90.17	111.60
2	1B	52	ASP	CB-CA-C	-10.71	90.18	111.60
2	1J	52	ASP	CB-CA-C	-10.71	90.18	111.60
2	2F	52	ASP	CB-CA-C	-10.71	90.18	111.60
2	27	52	ASP	CB-CA-C	-10.71	90.18	111.60
2	3F	52	ASP	CB-CA-C	-10.71	90.18	111.60
2	4B	52	ASP	CB-CA-C	-10.71	90.18	111.60
2	4N	52	ASP	CB-CA-C	-10.71	90.18	111.60
2	4V	52	ASP	CB-CA-C	-10.71	90.18	111.60
2	5R	52	ASP	CB-CA-C	-10.71	90.18	111.60
2	6J	52	ASP	CB-CA-C	-10.71	90.18	111.60
2	6R	52	ASP	CB-CA-C	-10.71	90.18	111.60
2	7N	52	ASP	CB-CA-C	-10.71	90.18	111.60
2	1N	58	LEU	CA-C-N	10.71	138.70	120.29
2	1N	58	LEU	C-N-CA	10.71	138.70	120.29
2	2J	58	LEU	CA-C-N	10.71	138.70	120.29
2	2J	58	LEU	C-N-CA	10.71	138.70	120.29
2	3B	58	LEU	CA-C-N	10.71	138.70	120.29
2	3B	58	LEU	C-N-CA	10.71	138.70	120.29
2	3J	58	LEU	CA-C-N	10.71	138.70	120.29
2	3J	58	LEU	C-N-CA	10.71	138.70	120.29
2	33	58	LEU	CA-C-N	10.71	138.70	120.29
2	33	58	LEU	C-N-CA	10.71	138.70	120.29
2	4F	58	LEU	CA-C-N	10.71	138.70	120.29
2	4F	58	LEU	C-N-CA	10.71	138.70	120.29
2	4Z	58	LEU	CA-C-N	10.71	138.70	120.29
2	4Z	58	LEU	C-N-CA	10.71	138.70	120.29
2	5V	58	LEU	CA-C-N	10.71	138.70	120.29
2	5V	58	LEU	C-N-CA	10.71	138.70	120.29
2	6N	58	LEU	CA-C-N	10.71	138.70	120.29
2	6N	58	LEU	C-N-CA	10.71	138.70	120.29
2	6V	58	LEU	CA-C-N	10.71	138.70	120.29
2	6V	58	LEU	C-N-CA	10.71	138.70	120.29
2	7F	58	LEU	CA-C-N	10.71	138.70	120.29
2	7F	58	LEU	C-N-CA	10.71	138.70	120.29
2	7R	58	LEU	CA-C-N	10.71	138.70	120.29
2	7R	58	LEU	C-N-CA	10.71	138.70	120.29
2	13	52	ASP	CB-CA-C	-10.70	90.20	111.60
2	17	52	ASP	CB-CA-C	-10.70	90.20	111.60
2	2B	52	ASP	CB-CA-C	-10.70	90.20	111.60
2	3R	52	ASP	CB-CA-C	-10.70	90.20	111.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	52	ASP	CB-CA-C	-10.70	90.20	111.60
2	3Z	52	ASP	CB-CA-C	-10.70	90.20	111.60
2	5F	52	ASP	CB-CA-C	-10.70	90.20	111.60
2	5J	52	ASP	CB-CA-C	-10.70	90.20	111.60
2	5N	52	ASP	CB-CA-C	-10.70	90.20	111.60
2	63	52	ASP	CB-CA-C	-10.70	90.20	111.60
2	67	52	ASP	CB-CA-C	-10.70	90.20	111.60
2	7B	52	ASP	CB-CA-C	-10.70	90.20	111.60
2	1B	58	LEU	CA-C-N	10.69	138.68	120.29
2	1B	58	LEU	C-N-CA	10.69	138.68	120.29
2	1J	58	LEU	CA-C-N	10.69	138.68	120.29
2	1J	58	LEU	C-N-CA	10.69	138.68	120.29
2	2F	58	LEU	CA-C-N	10.69	138.68	120.29
2	2F	58	LEU	C-N-CA	10.69	138.68	120.29
2	27	58	LEU	CA-C-N	10.69	138.68	120.29
2	27	58	LEU	C-N-CA	10.69	138.68	120.29
2	3F	58	LEU	CA-C-N	10.69	138.68	120.29
2	3F	58	LEU	C-N-CA	10.69	138.68	120.29
2	4B	58	LEU	CA-C-N	10.69	138.68	120.29
2	4B	58	LEU	C-N-CA	10.69	138.68	120.29
2	4N	58	LEU	CA-C-N	10.69	138.68	120.29
2	4N	58	LEU	C-N-CA	10.69	138.68	120.29
2	4V	58	LEU	CA-C-N	10.69	138.68	120.29
2	4V	58	LEU	C-N-CA	10.69	138.68	120.29
2	5R	58	LEU	CA-C-N	10.69	138.68	120.29
2	5R	58	LEU	C-N-CA	10.69	138.68	120.29
2	6J	58	LEU	CA-C-N	10.69	138.68	120.29
2	6J	58	LEU	C-N-CA	10.69	138.68	120.29
2	6R	58	LEU	CA-C-N	10.69	138.68	120.29
2	6R	58	LEU	C-N-CA	10.69	138.68	120.29
2	7N	58	LEU	CA-C-N	10.69	138.68	120.29
2	7N	58	LEU	C-N-CA	10.69	138.68	120.29
1	1Q	153	SER	CA-CB-OG	-10.69	89.71	111.10
1	1U	153	SER	CA-CB-OG	-10.69	89.71	111.10
1	1Y	153	SER	CA-CB-OG	-10.69	89.71	111.10
1	2Q	153	SER	CA-CB-OG	-10.69	89.71	111.10
1	2U	153	SER	CA-CB-OG	-10.69	89.71	111.10
1	2Y	153	SER	CA-CB-OG	-10.69	89.71	111.10
1	42	153	SER	CA-CB-OG	-10.69	89.71	111.10
1	46	153	SER	CA-CB-OG	-10.69	89.71	111.10
1	5A	153	SER	CA-CB-OG	-10.69	89.71	111.10
1	52	153	SER	CA-CB-OG	-10.69	89.71	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	153	SER	CA-CB-OG	-10.69	89.71	111.10
1	6A	153	SER	CA-CB-OG	-10.69	89.71	111.10
2	1F	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	1R	58	LEU	CA-C-N	10.69	138.68	120.29
2	1R	58	LEU	C-N-CA	10.69	138.68	120.29
2	1V	58	LEU	CA-C-N	10.69	138.68	120.29
2	1V	58	LEU	C-N-CA	10.69	138.68	120.29
2	1Z	58	LEU	CA-C-N	10.69	138.68	120.29
2	1Z	58	LEU	C-N-CA	10.69	138.68	120.29
2	2N	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	2R	58	LEU	CA-C-N	10.69	138.68	120.29
2	2R	58	LEU	C-N-CA	10.69	138.68	120.29
2	2V	58	LEU	CA-C-N	10.69	138.68	120.29
2	2V	58	LEU	C-N-CA	10.69	138.68	120.29
2	2Z	58	LEU	CA-C-N	10.69	138.68	120.29
2	2Z	58	LEU	C-N-CA	10.69	138.68	120.29
2	23	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	3N	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	37	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	4J	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	4R	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	43	58	LEU	CA-C-N	10.69	138.68	120.29
2	43	58	LEU	C-N-CA	10.69	138.68	120.29
2	47	58	LEU	CA-C-N	10.69	138.68	120.29
2	47	58	LEU	C-N-CA	10.69	138.68	120.29
2	5B	58	LEU	CA-C-N	10.69	138.68	120.29
2	5B	58	LEU	C-N-CA	10.69	138.68	120.29
2	5Z	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	53	58	LEU	CA-C-N	10.69	138.68	120.29
2	53	58	LEU	C-N-CA	10.69	138.68	120.29
2	57	58	LEU	CA-C-N	10.69	138.68	120.29
2	57	58	LEU	C-N-CA	10.69	138.68	120.29
2	6B	58	LEU	CA-C-N	10.69	138.68	120.29
2	6B	58	LEU	C-N-CA	10.69	138.68	120.29
2	6F	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	6Z	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	7J	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	7V	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	1F	58	LEU	CA-C-N	10.69	138.67	120.29
2	1F	58	LEU	C-N-CA	10.69	138.67	120.29
2	13	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	17	38	VAL	N-CA-CB	-10.69	94.55	110.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	2N	58	LEU	CA-C-N	10.69	138.67	120.29
2	2N	58	LEU	C-N-CA	10.69	138.67	120.29
2	23	58	LEU	CA-C-N	10.69	138.67	120.29
2	23	58	LEU	C-N-CA	10.69	138.67	120.29
2	3N	58	LEU	CA-C-N	10.69	138.67	120.29
2	3N	58	LEU	C-N-CA	10.69	138.67	120.29
2	3R	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	3V	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	3Z	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	37	58	LEU	CA-C-N	10.69	138.67	120.29
2	37	58	LEU	C-N-CA	10.69	138.67	120.29
2	4J	58	LEU	CA-C-N	10.69	138.67	120.29
2	4J	58	LEU	C-N-CA	10.69	138.67	120.29
2	4R	58	LEU	CA-C-N	10.69	138.67	120.29
2	4R	58	LEU	C-N-CA	10.69	138.67	120.29
2	5F	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	5J	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	5N	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	5Z	58	LEU	CA-C-N	10.69	138.67	120.29
2	5Z	58	LEU	C-N-CA	10.69	138.67	120.29
2	6F	58	LEU	CA-C-N	10.69	138.67	120.29
2	6F	58	LEU	C-N-CA	10.69	138.67	120.29
2	6Z	58	LEU	CA-C-N	10.69	138.67	120.29
2	6Z	58	LEU	C-N-CA	10.69	138.67	120.29
2	63	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	67	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	7B	38	VAL	N-CA-CB	-10.69	94.55	110.58
2	7J	58	LEU	CA-C-N	10.69	138.67	120.29
2	7J	58	LEU	C-N-CA	10.69	138.67	120.29
2	7V	58	LEU	CA-C-N	10.69	138.67	120.29
2	7V	58	LEU	C-N-CA	10.69	138.67	120.29
1	1A	153	SER	CA-CB-OG	-10.68	89.73	111.10
1	1E	178	SER	CA-C-N	-10.68	105.47	120.53
1	1E	178	SER	C-N-CA	-10.68	105.47	120.53
1	1I	153	SER	CA-CB-OG	-10.68	89.73	111.10
1	1M	178	SER	CA-C-N	-10.68	105.47	120.53
1	1M	178	SER	C-N-CA	-10.68	105.47	120.53
2	1N	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	2E	153	SER	CA-CB-OG	-10.68	89.73	111.10
1	2I	178	SER	CA-C-N	-10.68	105.47	120.53
1	2I	178	SER	C-N-CA	-10.68	105.47	120.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2J	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	2M	178	SER	CA-C-N	-10.68	105.47	120.53
1	2M	178	SER	C-N-CA	-10.68	105.47	120.53
1	22	178	SER	CA-C-N	-10.68	105.47	120.53
1	22	178	SER	C-N-CA	-10.68	105.47	120.53
1	26	153	SER	CA-CB-OG	-10.68	89.73	111.10
1	3A	178	SER	CA-C-N	-10.68	105.47	120.53
1	3A	178	SER	C-N-CA	-10.68	105.47	120.53
2	3B	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	3E	153	SER	CA-CB-OG	-10.68	89.73	111.10
1	3I	178	SER	CA-C-N	-10.68	105.47	120.53
1	3I	178	SER	C-N-CA	-10.68	105.47	120.53
2	3J	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	3M	178	SER	CA-C-N	-10.68	105.47	120.53
1	3M	178	SER	C-N-CA	-10.68	105.47	120.53
1	32	178	SER	CA-C-N	-10.68	105.47	120.53
1	32	178	SER	C-N-CA	-10.68	105.47	120.53
2	33	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	36	178	SER	CA-C-N	-10.68	105.47	120.53
1	36	178	SER	C-N-CA	-10.68	105.47	120.53
1	4A	153	SER	CA-CB-OG	-10.68	89.73	111.10
1	4E	178	SER	CA-C-N	-10.68	105.47	120.53
1	4E	178	SER	C-N-CA	-10.68	105.47	120.53
2	4F	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	4I	178	SER	CA-C-N	-10.68	105.47	120.53
1	4I	178	SER	C-N-CA	-10.68	105.47	120.53
1	4M	153	SER	CA-CB-OG	-10.68	89.73	111.10
1	4Q	178	SER	CA-C-N	-10.68	105.47	120.53
1	4Q	178	SER	C-N-CA	-10.68	105.47	120.53
1	4U	153	SER	CA-CB-OG	-10.68	89.73	111.10
1	4Y	178	SER	CA-C-N	-10.68	105.47	120.53
1	4Y	178	SER	C-N-CA	-10.68	105.47	120.53
2	4Z	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	5Q	153	SER	CA-CB-OG	-10.68	89.73	111.10
1	5U	178	SER	CA-C-N	-10.68	105.47	120.53
1	5U	178	SER	C-N-CA	-10.68	105.47	120.53
2	5V	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	5Y	178	SER	CA-C-N	-10.68	105.47	120.53
1	5Y	178	SER	C-N-CA	-10.68	105.47	120.53
1	6E	178	SER	CA-C-N	-10.68	105.47	120.53
1	6E	178	SER	C-N-CA	-10.68	105.47	120.53
1	6I	153	SER	CA-CB-OG	-10.68	89.73	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6M	178	SER	CA-C-N	-10.68	105.47	120.53
1	6M	178	SER	C-N-CA	-10.68	105.47	120.53
2	6N	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	6Q	153	SER	CA-CB-OG	-10.68	89.73	111.10
1	6U	178	SER	CA-C-N	-10.68	105.47	120.53
1	6U	178	SER	C-N-CA	-10.68	105.47	120.53
2	6V	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	6Y	178	SER	CA-C-N	-10.68	105.47	120.53
1	6Y	178	SER	C-N-CA	-10.68	105.47	120.53
1	7E	178	SER	CA-C-N	-10.68	105.47	120.53
1	7E	178	SER	C-N-CA	-10.68	105.47	120.53
2	7F	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	7I	178	SER	CA-C-N	-10.68	105.47	120.53
1	7I	178	SER	C-N-CA	-10.68	105.47	120.53
1	7M	153	SER	CA-CB-OG	-10.68	89.73	111.10
1	7Q	178	SER	CA-C-N	-10.68	105.47	120.53
1	7Q	178	SER	C-N-CA	-10.68	105.47	120.53
2	7R	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	7U	178	SER	CA-C-N	-10.68	105.47	120.53
1	7U	178	SER	C-N-CA	-10.68	105.47	120.53
1	1A	178	SER	CA-C-N	-10.68	105.47	120.53
1	1A	178	SER	C-N-CA	-10.68	105.47	120.53
2	1B	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	1I	178	SER	CA-C-N	-10.68	105.47	120.53
1	1I	178	SER	C-N-CA	-10.68	105.47	120.53
2	1J	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	12	42	VAL	CA-C-N	10.68	141.94	121.54
1	12	42	VAL	C-N-CA	10.68	141.94	121.54
1	16	42	VAL	CA-C-N	10.68	141.94	121.54
1	16	42	VAL	C-N-CA	10.68	141.94	121.54
1	2A	42	VAL	CA-C-N	10.68	141.94	121.54
1	2A	42	VAL	C-N-CA	10.68	141.94	121.54
1	2E	178	SER	CA-C-N	-10.68	105.47	120.53
1	2E	178	SER	C-N-CA	-10.68	105.47	120.53
2	2F	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	26	178	SER	CA-C-N	-10.68	105.47	120.53
1	26	178	SER	C-N-CA	-10.68	105.47	120.53
2	27	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	3E	178	SER	CA-C-N	-10.68	105.47	120.53
1	3E	178	SER	C-N-CA	-10.68	105.47	120.53
2	3F	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	3Q	42	VAL	CA-C-N	10.68	141.94	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Q	42	VAL	C-N-CA	10.68	141.94	121.54
1	3U	42	VAL	CA-C-N	10.68	141.94	121.54
1	3U	42	VAL	C-N-CA	10.68	141.94	121.54
1	3Y	42	VAL	CA-C-N	10.68	141.94	121.54
1	3Y	42	VAL	C-N-CA	10.68	141.94	121.54
1	4A	178	SER	CA-C-N	-10.68	105.47	120.53
1	4A	178	SER	C-N-CA	-10.68	105.47	120.53
2	4B	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	4M	178	SER	CA-C-N	-10.68	105.47	120.53
1	4M	178	SER	C-N-CA	-10.68	105.47	120.53
2	4N	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	4U	178	SER	CA-C-N	-10.68	105.47	120.53
1	4U	178	SER	C-N-CA	-10.68	105.47	120.53
2	4V	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	5E	42	VAL	CA-C-N	10.68	141.94	121.54
1	5E	42	VAL	C-N-CA	10.68	141.94	121.54
1	5I	42	VAL	CA-C-N	10.68	141.94	121.54
1	5I	42	VAL	C-N-CA	10.68	141.94	121.54
1	5M	42	VAL	CA-C-N	10.68	141.94	121.54
1	5M	42	VAL	C-N-CA	10.68	141.94	121.54
1	5Q	178	SER	CA-C-N	-10.68	105.47	120.53
1	5Q	178	SER	C-N-CA	-10.68	105.47	120.53
2	5R	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	6I	178	SER	CA-C-N	-10.68	105.47	120.53
1	6I	178	SER	C-N-CA	-10.68	105.47	120.53
2	6J	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	6Q	178	SER	CA-C-N	-10.68	105.47	120.53
1	6Q	178	SER	C-N-CA	-10.68	105.47	120.53
2	6R	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	62	42	VAL	CA-C-N	10.68	141.94	121.54
1	62	42	VAL	C-N-CA	10.68	141.94	121.54
1	66	42	VAL	CA-C-N	10.68	141.94	121.54
1	66	42	VAL	C-N-CA	10.68	141.94	121.54
1	7A	42	VAL	CA-C-N	10.68	141.94	121.54
1	7A	42	VAL	C-N-CA	10.68	141.94	121.54
1	7M	178	SER	CA-C-N	-10.68	105.47	120.53
1	7M	178	SER	C-N-CA	-10.68	105.47	120.53
2	7N	38	VAL	N-CA-CB	-10.68	94.56	110.58
1	1M	153	SER	CA-CB-OG	-10.68	89.75	111.10
1	12	178	SER	CA-C-N	-10.68	105.48	120.53
1	12	178	SER	C-N-CA	-10.68	105.48	120.53
1	16	178	SER	CA-C-N	-10.68	105.48	120.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16	178	SER	C-N-CA	-10.68	105.48	120.53
1	2A	178	SER	CA-C-N	-10.68	105.48	120.53
1	2A	178	SER	C-N-CA	-10.68	105.48	120.53
1	2I	153	SER	CA-CB-OG	-10.68	89.75	111.10
1	3A	153	SER	CA-CB-OG	-10.68	89.75	111.10
1	3I	153	SER	CA-CB-OG	-10.68	89.75	111.10
1	3Q	178	SER	CA-C-N	-10.68	105.48	120.53
1	3Q	178	SER	C-N-CA	-10.68	105.48	120.53
1	3U	178	SER	CA-C-N	-10.68	105.48	120.53
1	3U	178	SER	C-N-CA	-10.68	105.48	120.53
1	3Y	178	SER	CA-C-N	-10.68	105.48	120.53
1	3Y	178	SER	C-N-CA	-10.68	105.48	120.53
1	32	153	SER	CA-CB-OG	-10.68	89.75	111.10
1	4E	153	SER	CA-CB-OG	-10.68	89.75	111.10
1	4Y	153	SER	CA-CB-OG	-10.68	89.75	111.10
1	5E	178	SER	CA-C-N	-10.68	105.48	120.53
1	5E	178	SER	C-N-CA	-10.68	105.48	120.53
1	5I	178	SER	CA-C-N	-10.68	105.48	120.53
1	5I	178	SER	C-N-CA	-10.68	105.48	120.53
1	5M	178	SER	CA-C-N	-10.68	105.48	120.53
1	5M	178	SER	C-N-CA	-10.68	105.48	120.53
1	5U	153	SER	CA-CB-OG	-10.68	89.75	111.10
1	6M	153	SER	CA-CB-OG	-10.68	89.75	111.10
1	6U	153	SER	CA-CB-OG	-10.68	89.75	111.10
1	62	178	SER	CA-C-N	-10.68	105.48	120.53
1	62	178	SER	C-N-CA	-10.68	105.48	120.53
1	66	178	SER	CA-C-N	-10.68	105.48	120.53
1	66	178	SER	C-N-CA	-10.68	105.48	120.53
1	7A	178	SER	CA-C-N	-10.68	105.48	120.53
1	7A	178	SER	C-N-CA	-10.68	105.48	120.53
1	7E	153	SER	CA-CB-OG	-10.68	89.75	111.10
1	7Q	153	SER	CA-CB-OG	-10.68	89.75	111.10
1	1M	42	VAL	CA-C-N	10.67	141.93	121.54
1	1M	42	VAL	C-N-CA	10.67	141.93	121.54
1	2I	42	VAL	CA-C-N	10.67	141.93	121.54
1	2I	42	VAL	C-N-CA	10.67	141.93	121.54
1	3A	42	VAL	CA-C-N	10.67	141.93	121.54
1	3A	42	VAL	C-N-CA	10.67	141.93	121.54
1	3I	42	VAL	CA-C-N	10.67	141.93	121.54
1	3I	42	VAL	C-N-CA	10.67	141.93	121.54
1	32	42	VAL	CA-C-N	10.67	141.93	121.54
1	32	42	VAL	C-N-CA	10.67	141.93	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	42	VAL	CA-C-N	10.67	141.93	121.54
1	4E	42	VAL	C-N-CA	10.67	141.93	121.54
1	4Y	42	VAL	CA-C-N	10.67	141.93	121.54
1	4Y	42	VAL	C-N-CA	10.67	141.93	121.54
1	5U	42	VAL	CA-C-N	10.67	141.93	121.54
1	5U	42	VAL	C-N-CA	10.67	141.93	121.54
1	6M	42	VAL	CA-C-N	10.67	141.93	121.54
1	6M	42	VAL	C-N-CA	10.67	141.93	121.54
1	6U	42	VAL	CA-C-N	10.67	141.93	121.54
1	6U	42	VAL	C-N-CA	10.67	141.93	121.54
1	7E	42	VAL	CA-C-N	10.67	141.93	121.54
1	7E	42	VAL	C-N-CA	10.67	141.93	121.54
1	7Q	42	VAL	CA-C-N	10.67	141.93	121.54
1	7Q	42	VAL	C-N-CA	10.67	141.93	121.54
1	1E	153	SER	CA-CB-OG	-10.67	89.76	111.10
1	2M	153	SER	CA-CB-OG	-10.67	89.76	111.10
1	22	153	SER	CA-CB-OG	-10.67	89.76	111.10
1	3M	153	SER	CA-CB-OG	-10.67	89.76	111.10
1	36	153	SER	CA-CB-OG	-10.67	89.76	111.10
1	4I	153	SER	CA-CB-OG	-10.67	89.76	111.10
1	4Q	153	SER	CA-CB-OG	-10.67	89.76	111.10
1	5Y	153	SER	CA-CB-OG	-10.67	89.76	111.10
1	6E	153	SER	CA-CB-OG	-10.67	89.76	111.10
1	6Y	153	SER	CA-CB-OG	-10.67	89.76	111.10
1	7I	153	SER	CA-CB-OG	-10.67	89.76	111.10
1	7U	153	SER	CA-CB-OG	-10.67	89.76	111.10
1	12	153	SER	CA-CB-OG	-10.66	89.78	111.10
1	16	153	SER	CA-CB-OG	-10.66	89.78	111.10
1	2A	153	SER	CA-CB-OG	-10.66	89.78	111.10
1	3Q	153	SER	CA-CB-OG	-10.66	89.78	111.10
1	3U	153	SER	CA-CB-OG	-10.66	89.78	111.10
1	3Y	153	SER	CA-CB-OG	-10.66	89.78	111.10
1	5E	153	SER	CA-CB-OG	-10.66	89.78	111.10
1	5I	153	SER	CA-CB-OG	-10.66	89.78	111.10
1	5M	153	SER	CA-CB-OG	-10.66	89.78	111.10
1	62	153	SER	CA-CB-OG	-10.66	89.78	111.10
1	66	153	SER	CA-CB-OG	-10.66	89.78	111.10
1	7A	153	SER	CA-CB-OG	-10.66	89.78	111.10
1	1E	84	ARG	N-CA-C	-10.66	88.09	110.80
2	1R	38	VAL	N-CA-CB	-10.66	94.59	110.58
2	1V	38	VAL	N-CA-CB	-10.66	94.59	110.58
2	1Z	38	VAL	N-CA-CB	-10.66	94.59	110.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	84	ARG	N-CA-C	-10.66	88.09	110.80
2	2R	38	VAL	N-CA-CB	-10.66	94.59	110.58
2	2V	38	VAL	N-CA-CB	-10.66	94.59	110.58
2	2Z	38	VAL	N-CA-CB	-10.66	94.59	110.58
1	22	84	ARG	N-CA-C	-10.66	88.09	110.80
1	3M	84	ARG	N-CA-C	-10.66	88.09	110.80
1	36	84	ARG	N-CA-C	-10.66	88.09	110.80
1	4I	84	ARG	N-CA-C	-10.66	88.09	110.80
1	4Q	84	ARG	N-CA-C	-10.66	88.09	110.80
2	43	38	VAL	N-CA-CB	-10.66	94.59	110.58
2	47	38	VAL	N-CA-CB	-10.66	94.59	110.58
2	5B	38	VAL	N-CA-CB	-10.66	94.59	110.58
1	5Y	84	ARG	N-CA-C	-10.66	88.09	110.80
2	53	38	VAL	N-CA-CB	-10.66	94.59	110.58
2	57	38	VAL	N-CA-CB	-10.66	94.59	110.58
2	6B	38	VAL	N-CA-CB	-10.66	94.59	110.58
1	6E	84	ARG	N-CA-C	-10.66	88.09	110.80
1	6Y	84	ARG	N-CA-C	-10.66	88.09	110.80
1	7I	84	ARG	N-CA-C	-10.66	88.09	110.80
1	7U	84	ARG	N-CA-C	-10.66	88.09	110.80
1	1Q	9	PHE	CA-C-O	-10.65	107.95	120.62
1	1U	9	PHE	CA-C-O	-10.65	107.95	120.62
1	1Y	9	PHE	CA-C-O	-10.65	107.95	120.62
1	2Q	9	PHE	CA-C-O	-10.65	107.95	120.62
1	2U	9	PHE	CA-C-O	-10.65	107.95	120.62
1	2Y	9	PHE	CA-C-O	-10.65	107.95	120.62
1	42	9	PHE	CA-C-O	-10.65	107.95	120.62
1	46	9	PHE	CA-C-O	-10.65	107.95	120.62
1	5A	9	PHE	CA-C-O	-10.65	107.95	120.62
1	52	9	PHE	CA-C-O	-10.65	107.95	120.62
1	56	9	PHE	CA-C-O	-10.65	107.95	120.62
1	6A	9	PHE	CA-C-O	-10.65	107.95	120.62
1	12	84	ARG	N-CA-C	-10.65	88.12	110.80
1	16	84	ARG	N-CA-C	-10.65	88.12	110.80
1	2A	84	ARG	N-CA-C	-10.65	88.12	110.80
1	3Q	84	ARG	N-CA-C	-10.65	88.12	110.80
1	3U	84	ARG	N-CA-C	-10.65	88.12	110.80
1	3Y	84	ARG	N-CA-C	-10.65	88.12	110.80
1	5E	84	ARG	N-CA-C	-10.65	88.12	110.80
1	5I	84	ARG	N-CA-C	-10.65	88.12	110.80
1	5M	84	ARG	N-CA-C	-10.65	88.12	110.80
1	62	84	ARG	N-CA-C	-10.65	88.12	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	84	ARG	N-CA-C	-10.65	88.12	110.80
1	7A	84	ARG	N-CA-C	-10.65	88.12	110.80
1	1A	9	PHE	CA-C-O	-10.64	107.96	120.62
1	1I	9	PHE	CA-C-O	-10.64	107.96	120.62
1	2E	9	PHE	CA-C-O	-10.64	107.96	120.62
1	26	9	PHE	CA-C-O	-10.64	107.96	120.62
1	3E	9	PHE	CA-C-O	-10.64	107.96	120.62
1	4A	9	PHE	CA-C-O	-10.64	107.96	120.62
1	4M	9	PHE	CA-C-O	-10.64	107.96	120.62
1	4U	9	PHE	CA-C-O	-10.64	107.96	120.62
1	5Q	9	PHE	CA-C-O	-10.64	107.96	120.62
1	6I	9	PHE	CA-C-O	-10.64	107.96	120.62
1	6Q	9	PHE	CA-C-O	-10.64	107.96	120.62
1	7M	9	PHE	CA-C-O	-10.64	107.96	120.62
1	12	9	PHE	CA-C-O	-10.64	107.96	120.62
1	16	9	PHE	CA-C-O	-10.64	107.96	120.62
1	2A	9	PHE	CA-C-O	-10.64	107.96	120.62
1	3Q	9	PHE	CA-C-O	-10.64	107.96	120.62
1	3U	9	PHE	CA-C-O	-10.64	107.96	120.62
1	3Y	9	PHE	CA-C-O	-10.64	107.96	120.62
1	5E	9	PHE	CA-C-O	-10.64	107.96	120.62
1	5I	9	PHE	CA-C-O	-10.64	107.96	120.62
1	5M	9	PHE	CA-C-O	-10.64	107.96	120.62
1	62	9	PHE	CA-C-O	-10.64	107.96	120.62
1	66	9	PHE	CA-C-O	-10.64	107.96	120.62
1	7A	9	PHE	CA-C-O	-10.64	107.96	120.62
1	1A	42	VAL	CA-C-N	10.64	141.86	121.54
1	1A	42	VAL	C-N-CA	10.64	141.86	121.54
1	1A	84	ARG	N-CA-C	-10.64	88.14	110.80
1	1I	42	VAL	CA-C-N	10.64	141.86	121.54
1	1I	42	VAL	C-N-CA	10.64	141.86	121.54
1	1I	84	ARG	N-CA-C	-10.64	88.14	110.80
1	1Q	84	ARG	N-CA-C	-10.64	88.14	110.80
1	1U	84	ARG	N-CA-C	-10.64	88.14	110.80
1	1Y	84	ARG	N-CA-C	-10.64	88.14	110.80
1	2E	42	VAL	CA-C-N	10.64	141.86	121.54
1	2E	42	VAL	C-N-CA	10.64	141.86	121.54
1	2E	84	ARG	N-CA-C	-10.64	88.14	110.80
1	2Q	84	ARG	N-CA-C	-10.64	88.14	110.80
1	2U	84	ARG	N-CA-C	-10.64	88.14	110.80
1	2Y	84	ARG	N-CA-C	-10.64	88.14	110.80
1	26	42	VAL	CA-C-N	10.64	141.86	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	26	42	VAL	C-N-CA	10.64	141.86	121.54
1	26	84	ARG	N-CA-C	-10.64	88.14	110.80
1	3E	42	VAL	CA-C-N	10.64	141.86	121.54
1	3E	42	VAL	C-N-CA	10.64	141.86	121.54
1	3E	84	ARG	N-CA-C	-10.64	88.14	110.80
1	4A	42	VAL	CA-C-N	10.64	141.86	121.54
1	4A	42	VAL	C-N-CA	10.64	141.86	121.54
1	4A	84	ARG	N-CA-C	-10.64	88.14	110.80
1	4M	42	VAL	CA-C-N	10.64	141.86	121.54
1	4M	42	VAL	C-N-CA	10.64	141.86	121.54
1	4M	84	ARG	N-CA-C	-10.64	88.14	110.80
1	4U	42	VAL	CA-C-N	10.64	141.86	121.54
1	4U	42	VAL	C-N-CA	10.64	141.86	121.54
1	4U	84	ARG	N-CA-C	-10.64	88.14	110.80
1	42	84	ARG	N-CA-C	-10.64	88.14	110.80
1	46	84	ARG	N-CA-C	-10.64	88.14	110.80
1	5A	84	ARG	N-CA-C	-10.64	88.14	110.80
1	5Q	42	VAL	CA-C-N	10.64	141.86	121.54
1	5Q	42	VAL	C-N-CA	10.64	141.86	121.54
1	5Q	84	ARG	N-CA-C	-10.64	88.14	110.80
1	52	84	ARG	N-CA-C	-10.64	88.14	110.80
1	56	84	ARG	N-CA-C	-10.64	88.14	110.80
1	6A	84	ARG	N-CA-C	-10.64	88.14	110.80
1	6I	42	VAL	CA-C-N	10.64	141.86	121.54
1	6I	42	VAL	C-N-CA	10.64	141.86	121.54
1	6I	84	ARG	N-CA-C	-10.64	88.14	110.80
1	6Q	42	VAL	CA-C-N	10.64	141.86	121.54
1	6Q	42	VAL	C-N-CA	10.64	141.86	121.54
1	6Q	84	ARG	N-CA-C	-10.64	88.14	110.80
1	7M	42	VAL	CA-C-N	10.64	141.86	121.54
1	7M	42	VAL	C-N-CA	10.64	141.86	121.54
1	7M	84	ARG	N-CA-C	-10.64	88.14	110.80
1	1M	84	ARG	N-CA-C	-10.63	88.16	110.80
1	2I	84	ARG	N-CA-C	-10.63	88.16	110.80
1	3A	84	ARG	N-CA-C	-10.63	88.16	110.80
1	3I	84	ARG	N-CA-C	-10.63	88.16	110.80
1	32	84	ARG	N-CA-C	-10.63	88.16	110.80
1	4E	84	ARG	N-CA-C	-10.63	88.16	110.80
1	4Y	84	ARG	N-CA-C	-10.63	88.16	110.80
1	5U	84	ARG	N-CA-C	-10.63	88.16	110.80
1	6M	84	ARG	N-CA-C	-10.63	88.16	110.80
1	6U	84	ARG	N-CA-C	-10.63	88.16	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	84	ARG	N-CA-C	-10.63	88.16	110.80
1	7Q	84	ARG	N-CA-C	-10.63	88.16	110.80
1	1E	9	PHE	CA-C-O	-10.63	107.97	120.62
1	1M	9	PHE	CA-C-O	-10.63	107.97	120.62
1	2I	9	PHE	CA-C-O	-10.63	107.97	120.62
1	2M	9	PHE	CA-C-O	-10.63	107.97	120.62
1	22	9	PHE	CA-C-O	-10.63	107.97	120.62
1	3A	9	PHE	CA-C-O	-10.63	107.97	120.62
1	3I	9	PHE	CA-C-O	-10.63	107.97	120.62
1	3M	9	PHE	CA-C-O	-10.63	107.97	120.62
1	32	9	PHE	CA-C-O	-10.63	107.97	120.62
1	36	9	PHE	CA-C-O	-10.63	107.97	120.62
1	4E	9	PHE	CA-C-O	-10.63	107.97	120.62
1	4I	9	PHE	CA-C-O	-10.63	107.97	120.62
1	4Q	9	PHE	CA-C-O	-10.63	107.97	120.62
1	4Y	9	PHE	CA-C-O	-10.63	107.97	120.62
1	5U	9	PHE	CA-C-O	-10.63	107.97	120.62
1	5Y	9	PHE	CA-C-O	-10.63	107.97	120.62
1	6E	9	PHE	CA-C-O	-10.63	107.97	120.62
1	6M	9	PHE	CA-C-O	-10.63	107.97	120.62
1	6U	9	PHE	CA-C-O	-10.63	107.97	120.62
1	6Y	9	PHE	CA-C-O	-10.63	107.97	120.62
1	7E	9	PHE	CA-C-O	-10.63	107.97	120.62
1	7I	9	PHE	CA-C-O	-10.63	107.97	120.62
1	7Q	9	PHE	CA-C-O	-10.63	107.97	120.62
1	7U	9	PHE	CA-C-O	-10.63	107.97	120.62
1	1Q	42	VAL	CA-C-N	10.63	141.84	121.54
1	1Q	42	VAL	C-N-CA	10.63	141.84	121.54
1	1U	42	VAL	CA-C-N	10.63	141.84	121.54
1	1U	42	VAL	C-N-CA	10.63	141.84	121.54
1	1Y	42	VAL	CA-C-N	10.63	141.84	121.54
1	1Y	42	VAL	C-N-CA	10.63	141.84	121.54
1	2Q	42	VAL	CA-C-N	10.63	141.84	121.54
1	2Q	42	VAL	C-N-CA	10.63	141.84	121.54
1	2U	42	VAL	CA-C-N	10.63	141.84	121.54
1	2U	42	VAL	C-N-CA	10.63	141.84	121.54
1	2Y	42	VAL	CA-C-N	10.63	141.84	121.54
1	2Y	42	VAL	C-N-CA	10.63	141.84	121.54
1	42	42	VAL	CA-C-N	10.63	141.84	121.54
1	42	42	VAL	C-N-CA	10.63	141.84	121.54
1	46	42	VAL	CA-C-N	10.63	141.84	121.54
1	46	42	VAL	C-N-CA	10.63	141.84	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	42	VAL	CA-C-N	10.63	141.84	121.54
1	5A	42	VAL	C-N-CA	10.63	141.84	121.54
1	52	42	VAL	CA-C-N	10.63	141.84	121.54
1	52	42	VAL	C-N-CA	10.63	141.84	121.54
1	56	42	VAL	CA-C-N	10.63	141.84	121.54
1	56	42	VAL	C-N-CA	10.63	141.84	121.54
1	6A	42	VAL	CA-C-N	10.63	141.84	121.54
1	6A	42	VAL	C-N-CA	10.63	141.84	121.54
1	1M	12	MET	CB-CA-C	-10.62	89.05	109.66
1	2I	12	MET	CB-CA-C	-10.62	89.05	109.66
1	3A	12	MET	CB-CA-C	-10.62	89.05	109.66
1	3I	12	MET	CB-CA-C	-10.62	89.05	109.66
1	32	12	MET	CB-CA-C	-10.62	89.05	109.66
1	4E	12	MET	CB-CA-C	-10.62	89.05	109.66
1	4Y	12	MET	CB-CA-C	-10.62	89.05	109.66
1	5U	12	MET	CB-CA-C	-10.62	89.05	109.66
1	6M	12	MET	CB-CA-C	-10.62	89.05	109.66
1	6U	12	MET	CB-CA-C	-10.62	89.05	109.66
1	7E	12	MET	CB-CA-C	-10.62	89.05	109.66
1	7Q	12	MET	CB-CA-C	-10.62	89.05	109.66
1	1A	155	PRO	N-CD-CG	10.62	119.13	103.20
1	1I	155	PRO	N-CD-CG	10.62	119.13	103.20
1	1M	67	GLY	N-CA-C	10.62	125.07	111.37
1	1Q	12	MET	CB-CA-C	-10.62	89.06	109.66
1	1U	12	MET	CB-CA-C	-10.62	89.06	109.66
1	1Y	12	MET	CB-CA-C	-10.62	89.06	109.66
1	12	12	MET	CB-CA-C	-10.62	89.06	109.66
1	16	12	MET	CB-CA-C	-10.62	89.06	109.66
1	2A	12	MET	CB-CA-C	-10.62	89.06	109.66
1	2E	155	PRO	N-CD-CG	10.62	119.13	103.20
1	2I	67	GLY	N-CA-C	10.62	125.07	111.37
1	2Q	12	MET	CB-CA-C	-10.62	89.06	109.66
1	2U	12	MET	CB-CA-C	-10.62	89.06	109.66
1	2Y	12	MET	CB-CA-C	-10.62	89.06	109.66
1	26	155	PRO	N-CD-CG	10.62	119.13	103.20
1	3A	67	GLY	N-CA-C	10.62	125.07	111.37
1	3E	155	PRO	N-CD-CG	10.62	119.13	103.20
1	3I	67	GLY	N-CA-C	10.62	125.07	111.37
1	3Q	12	MET	CB-CA-C	-10.62	89.06	109.66
1	3U	12	MET	CB-CA-C	-10.62	89.06	109.66
1	3Y	12	MET	CB-CA-C	-10.62	89.06	109.66
1	32	67	GLY	N-CA-C	10.62	125.07	111.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	155	PRO	N-CD-CG	10.62	119.13	103.20
1	4E	67	GLY	N-CA-C	10.62	125.07	111.37
1	4M	155	PRO	N-CD-CG	10.62	119.13	103.20
1	4U	155	PRO	N-CD-CG	10.62	119.13	103.20
1	4Y	67	GLY	N-CA-C	10.62	125.07	111.37
1	42	12	MET	CB-CA-C	-10.62	89.06	109.66
1	46	12	MET	CB-CA-C	-10.62	89.06	109.66
1	5A	12	MET	CB-CA-C	-10.62	89.06	109.66
1	5E	12	MET	CB-CA-C	-10.62	89.06	109.66
1	5I	12	MET	CB-CA-C	-10.62	89.06	109.66
1	5M	12	MET	CB-CA-C	-10.62	89.06	109.66
1	5Q	155	PRO	N-CD-CG	10.62	119.13	103.20
1	5U	67	GLY	N-CA-C	10.62	125.07	111.37
1	52	12	MET	CB-CA-C	-10.62	89.06	109.66
1	56	12	MET	CB-CA-C	-10.62	89.06	109.66
1	6A	12	MET	CB-CA-C	-10.62	89.06	109.66
1	6I	155	PRO	N-CD-CG	10.62	119.13	103.20
1	6M	67	GLY	N-CA-C	10.62	125.07	111.37
1	6Q	155	PRO	N-CD-CG	10.62	119.13	103.20
1	6U	67	GLY	N-CA-C	10.62	125.07	111.37
1	62	12	MET	CB-CA-C	-10.62	89.06	109.66
1	66	12	MET	CB-CA-C	-10.62	89.06	109.66
1	7A	12	MET	CB-CA-C	-10.62	89.06	109.66
1	7E	67	GLY	N-CA-C	10.62	125.07	111.37
1	7M	155	PRO	N-CD-CG	10.62	119.13	103.20
1	7Q	67	GLY	N-CA-C	10.62	125.07	111.37
1	1A	12	MET	CB-CA-C	-10.62	89.07	109.66
1	1I	12	MET	CB-CA-C	-10.62	89.07	109.66
1	2E	12	MET	CB-CA-C	-10.62	89.07	109.66
1	26	12	MET	CB-CA-C	-10.62	89.07	109.66
1	3E	12	MET	CB-CA-C	-10.62	89.07	109.66
1	4A	12	MET	CB-CA-C	-10.62	89.07	109.66
1	4M	12	MET	CB-CA-C	-10.62	89.07	109.66
1	4U	12	MET	CB-CA-C	-10.62	89.07	109.66
1	5Q	12	MET	CB-CA-C	-10.62	89.07	109.66
1	6I	12	MET	CB-CA-C	-10.62	89.07	109.66
1	6Q	12	MET	CB-CA-C	-10.62	89.07	109.66
1	7M	12	MET	CB-CA-C	-10.62	89.07	109.66
1	1E	12	MET	CB-CA-C	-10.61	89.08	109.66
1	1E	42	VAL	CA-C-N	10.61	141.81	121.54
1	1E	42	VAL	C-N-CA	10.61	141.81	121.54
1	2M	12	MET	CB-CA-C	-10.61	89.08	109.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	42	VAL	CA-C-N	10.61	141.81	121.54
1	2M	42	VAL	C-N-CA	10.61	141.81	121.54
1	22	12	MET	CB-CA-C	-10.61	89.08	109.66
1	22	42	VAL	CA-C-N	10.61	141.81	121.54
1	22	42	VAL	C-N-CA	10.61	141.81	121.54
1	3M	12	MET	CB-CA-C	-10.61	89.08	109.66
1	3M	42	VAL	CA-C-N	10.61	141.81	121.54
1	3M	42	VAL	C-N-CA	10.61	141.81	121.54
1	36	12	MET	CB-CA-C	-10.61	89.08	109.66
1	36	42	VAL	CA-C-N	10.61	141.81	121.54
1	36	42	VAL	C-N-CA	10.61	141.81	121.54
1	4I	12	MET	CB-CA-C	-10.61	89.08	109.66
1	4I	42	VAL	CA-C-N	10.61	141.81	121.54
1	4I	42	VAL	C-N-CA	10.61	141.81	121.54
1	4Q	12	MET	CB-CA-C	-10.61	89.08	109.66
1	4Q	42	VAL	CA-C-N	10.61	141.81	121.54
1	4Q	42	VAL	C-N-CA	10.61	141.81	121.54
1	5Y	12	MET	CB-CA-C	-10.61	89.08	109.66
1	5Y	42	VAL	CA-C-N	10.61	141.81	121.54
1	5Y	42	VAL	C-N-CA	10.61	141.81	121.54
1	6E	12	MET	CB-CA-C	-10.61	89.08	109.66
1	6E	42	VAL	CA-C-N	10.61	141.81	121.54
1	6E	42	VAL	C-N-CA	10.61	141.81	121.54
1	6Y	12	MET	CB-CA-C	-10.61	89.08	109.66
1	6Y	42	VAL	CA-C-N	10.61	141.81	121.54
1	6Y	42	VAL	C-N-CA	10.61	141.81	121.54
1	7I	12	MET	CB-CA-C	-10.61	89.08	109.66
1	7I	42	VAL	CA-C-N	10.61	141.81	121.54
1	7I	42	VAL	C-N-CA	10.61	141.81	121.54
1	7U	12	MET	CB-CA-C	-10.61	89.08	109.66
1	7U	42	VAL	CA-C-N	10.61	141.81	121.54
1	7U	42	VAL	C-N-CA	10.61	141.81	121.54
1	1E	67	GLY	N-CA-C	10.61	125.06	111.37
1	2M	67	GLY	N-CA-C	10.61	125.06	111.37
1	22	67	GLY	N-CA-C	10.61	125.06	111.37
1	3M	67	GLY	N-CA-C	10.61	125.06	111.37
1	36	67	GLY	N-CA-C	10.61	125.06	111.37
1	4I	67	GLY	N-CA-C	10.61	125.06	111.37
1	4Q	67	GLY	N-CA-C	10.61	125.06	111.37
1	5Y	67	GLY	N-CA-C	10.61	125.06	111.37
1	6E	67	GLY	N-CA-C	10.61	125.06	111.37
1	6Y	67	GLY	N-CA-C	10.61	125.06	111.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	67	GLY	N-CA-C	10.61	125.06	111.37
1	7U	67	GLY	N-CA-C	10.61	125.06	111.37
1	1M	155	PRO	N-CD-CG	10.61	119.11	103.20
1	12	155	PRO	N-CD-CG	10.61	119.11	103.20
1	16	155	PRO	N-CD-CG	10.61	119.11	103.20
1	2A	155	PRO	N-CD-CG	10.61	119.11	103.20
1	2I	155	PRO	N-CD-CG	10.61	119.11	103.20
1	3A	155	PRO	N-CD-CG	10.61	119.11	103.20
1	3I	155	PRO	N-CD-CG	10.61	119.11	103.20
1	3Q	155	PRO	N-CD-CG	10.61	119.11	103.20
1	3U	155	PRO	N-CD-CG	10.61	119.11	103.20
1	3Y	155	PRO	N-CD-CG	10.61	119.11	103.20
1	32	155	PRO	N-CD-CG	10.61	119.11	103.20
1	4E	155	PRO	N-CD-CG	10.61	119.11	103.20
1	4Y	155	PRO	N-CD-CG	10.61	119.11	103.20
1	5E	155	PRO	N-CD-CG	10.61	119.11	103.20
1	5I	155	PRO	N-CD-CG	10.61	119.11	103.20
1	5M	155	PRO	N-CD-CG	10.61	119.11	103.20
1	5U	155	PRO	N-CD-CG	10.61	119.11	103.20
1	6M	155	PRO	N-CD-CG	10.61	119.11	103.20
1	6U	155	PRO	N-CD-CG	10.61	119.11	103.20
1	62	155	PRO	N-CD-CG	10.61	119.11	103.20
1	66	155	PRO	N-CD-CG	10.61	119.11	103.20
1	7A	155	PRO	N-CD-CG	10.61	119.11	103.20
1	7E	155	PRO	N-CD-CG	10.61	119.11	103.20
1	7Q	155	PRO	N-CD-CG	10.61	119.11	103.20
1	1Q	150	TYR	CZ-CE2-CD2	10.60	138.69	119.60
1	1U	150	TYR	CZ-CE2-CD2	10.60	138.69	119.60
1	1Y	150	TYR	CZ-CE2-CD2	10.60	138.69	119.60
1	2Q	150	TYR	CZ-CE2-CD2	10.60	138.69	119.60
1	2U	150	TYR	CZ-CE2-CD2	10.60	138.69	119.60
1	2Y	150	TYR	CZ-CE2-CD2	10.60	138.69	119.60
1	42	150	TYR	CZ-CE2-CD2	10.60	138.69	119.60
1	46	150	TYR	CZ-CE2-CD2	10.60	138.69	119.60
1	5A	150	TYR	CZ-CE2-CD2	10.60	138.69	119.60
1	52	150	TYR	CZ-CE2-CD2	10.60	138.69	119.60
1	56	150	TYR	CZ-CE2-CD2	10.60	138.69	119.60
1	6A	150	TYR	CZ-CE2-CD2	10.60	138.69	119.60
2	1B	47	ASP	N-CA-C	-10.60	96.54	110.53
2	1J	47	ASP	N-CA-C	-10.60	96.54	110.53
1	1Q	67	GLY	N-CA-C	10.60	125.05	111.37
1	1U	67	GLY	N-CA-C	10.60	125.05	111.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1Y	67	GLY	N-CA-C	10.60	125.05	111.37
1	12	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	16	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	2A	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
2	2F	47	ASP	N-CA-C	-10.60	96.54	110.53
1	2Q	67	GLY	N-CA-C	10.60	125.05	111.37
1	2U	67	GLY	N-CA-C	10.60	125.05	111.37
1	2Y	67	GLY	N-CA-C	10.60	125.05	111.37
2	27	47	ASP	N-CA-C	-10.60	96.54	110.53
2	3F	47	ASP	N-CA-C	-10.60	96.54	110.53
1	3Q	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	3U	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	3Y	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
2	4B	47	ASP	N-CA-C	-10.60	96.54	110.53
2	4N	47	ASP	N-CA-C	-10.60	96.54	110.53
2	4V	47	ASP	N-CA-C	-10.60	96.54	110.53
1	42	67	GLY	N-CA-C	10.60	125.05	111.37
1	46	67	GLY	N-CA-C	10.60	125.05	111.37
1	5A	67	GLY	N-CA-C	10.60	125.05	111.37
1	5E	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	5I	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	5M	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
2	5R	47	ASP	N-CA-C	-10.60	96.54	110.53
1	52	67	GLY	N-CA-C	10.60	125.05	111.37
1	56	67	GLY	N-CA-C	10.60	125.05	111.37
1	6A	67	GLY	N-CA-C	10.60	125.05	111.37
2	6J	47	ASP	N-CA-C	-10.60	96.54	110.53
2	6R	47	ASP	N-CA-C	-10.60	96.54	110.53
1	62	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	66	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	7A	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
2	7N	47	ASP	N-CA-C	-10.60	96.54	110.53
1	1E	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	1E	155	PRO	N-CD-CG	10.60	119.10	103.20
1	2M	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	2M	155	PRO	N-CD-CG	10.60	119.10	103.20
1	22	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	22	155	PRO	N-CD-CG	10.60	119.10	103.20
1	3M	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	3M	155	PRO	N-CD-CG	10.60	119.10	103.20
1	36	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	36	155	PRO	N-CD-CG	10.60	119.10	103.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4I	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	4I	155	PRO	N-CD-CG	10.60	119.10	103.20
1	4Q	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	4Q	155	PRO	N-CD-CG	10.60	119.10	103.20
1	5Y	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	5Y	155	PRO	N-CD-CG	10.60	119.10	103.20
1	6E	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	6E	155	PRO	N-CD-CG	10.60	119.10	103.20
1	6Y	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	6Y	155	PRO	N-CD-CG	10.60	119.10	103.20
1	7I	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	7I	155	PRO	N-CD-CG	10.60	119.10	103.20
1	7U	150	TYR	CZ-CE2-CD2	10.60	138.68	119.60
1	7U	155	PRO	N-CD-CG	10.60	119.10	103.20
2	1R	47	ASP	N-CA-C	-10.60	96.54	110.53
2	1V	47	ASP	N-CA-C	-10.60	96.54	110.53
2	1Z	47	ASP	N-CA-C	-10.60	96.54	110.53
2	2R	47	ASP	N-CA-C	-10.60	96.54	110.53
2	2V	47	ASP	N-CA-C	-10.60	96.54	110.53
2	2Z	47	ASP	N-CA-C	-10.60	96.54	110.53
2	43	47	ASP	N-CA-C	-10.60	96.54	110.53
2	47	47	ASP	N-CA-C	-10.60	96.54	110.53
2	5B	47	ASP	N-CA-C	-10.60	96.54	110.53
2	53	47	ASP	N-CA-C	-10.60	96.54	110.53
2	57	47	ASP	N-CA-C	-10.60	96.54	110.53
2	6B	47	ASP	N-CA-C	-10.60	96.54	110.53
1	1A	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	1I	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	1M	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	1Q	155	PRO	N-CD-CG	10.59	119.09	103.20
1	1U	155	PRO	N-CD-CG	10.59	119.09	103.20
1	1Y	155	PRO	N-CD-CG	10.59	119.09	103.20
1	2E	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	2I	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	2Q	155	PRO	N-CD-CG	10.59	119.09	103.20
1	2U	155	PRO	N-CD-CG	10.59	119.09	103.20
1	2Y	155	PRO	N-CD-CG	10.59	119.09	103.20
1	26	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	3A	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	3E	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	3I	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	32	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	4E	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	4M	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	4U	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	4Y	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	42	155	PRO	N-CD-CG	10.59	119.09	103.20
1	46	155	PRO	N-CD-CG	10.59	119.09	103.20
1	5A	155	PRO	N-CD-CG	10.59	119.09	103.20
1	5Q	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	5U	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	52	155	PRO	N-CD-CG	10.59	119.09	103.20
1	56	155	PRO	N-CD-CG	10.59	119.09	103.20
1	6A	155	PRO	N-CD-CG	10.59	119.09	103.20
1	6I	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	6M	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	6Q	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	6U	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	7E	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	7M	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
1	7Q	150	TYR	CZ-CE2-CD2	10.59	138.67	119.60
2	1N	47	ASP	N-CA-C	-10.59	96.55	110.53
2	2J	47	ASP	N-CA-C	-10.59	96.55	110.53
2	3B	47	ASP	N-CA-C	-10.59	96.55	110.53
2	3J	47	ASP	N-CA-C	-10.59	96.55	110.53
2	33	47	ASP	N-CA-C	-10.59	96.55	110.53
2	4F	47	ASP	N-CA-C	-10.59	96.55	110.53
2	4Z	47	ASP	N-CA-C	-10.59	96.55	110.53
2	5V	47	ASP	N-CA-C	-10.59	96.55	110.53
2	6N	47	ASP	N-CA-C	-10.59	96.55	110.53
2	6V	47	ASP	N-CA-C	-10.59	96.55	110.53
2	7F	47	ASP	N-CA-C	-10.59	96.55	110.53
2	7R	47	ASP	N-CA-C	-10.59	96.55	110.53
2	13	47	ASP	N-CA-C	-10.59	96.55	110.53
2	17	47	ASP	N-CA-C	-10.59	96.55	110.53
2	2B	47	ASP	N-CA-C	-10.59	96.55	110.53
2	3R	47	ASP	N-CA-C	-10.59	96.55	110.53
2	3V	47	ASP	N-CA-C	-10.59	96.55	110.53
2	3Z	47	ASP	N-CA-C	-10.59	96.55	110.53
2	5F	47	ASP	N-CA-C	-10.59	96.55	110.53
2	5J	47	ASP	N-CA-C	-10.59	96.55	110.53
2	5N	47	ASP	N-CA-C	-10.59	96.55	110.53
2	63	47	ASP	N-CA-C	-10.59	96.55	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	47	ASP	N-CA-C	-10.59	96.55	110.53
2	7B	47	ASP	N-CA-C	-10.59	96.55	110.53
2	1F	40	ASN	OD1-CG-ND2	10.59	133.19	122.60
2	2N	40	ASN	OD1-CG-ND2	10.59	133.19	122.60
2	23	40	ASN	OD1-CG-ND2	10.59	133.19	122.60
2	3N	40	ASN	OD1-CG-ND2	10.59	133.19	122.60
2	37	40	ASN	OD1-CG-ND2	10.59	133.19	122.60
2	4J	40	ASN	OD1-CG-ND2	10.59	133.19	122.60
2	4R	40	ASN	OD1-CG-ND2	10.59	133.19	122.60
2	5Z	40	ASN	OD1-CG-ND2	10.59	133.19	122.60
2	6F	40	ASN	OD1-CG-ND2	10.59	133.19	122.60
2	6Z	40	ASN	OD1-CG-ND2	10.59	133.19	122.60
2	7J	40	ASN	OD1-CG-ND2	10.59	133.19	122.60
2	7V	40	ASN	OD1-CG-ND2	10.59	133.19	122.60
2	1F	47	ASP	N-CA-C	-10.58	96.56	110.53
2	2N	47	ASP	N-CA-C	-10.58	96.56	110.53
2	23	47	ASP	N-CA-C	-10.58	96.56	110.53
2	3N	47	ASP	N-CA-C	-10.58	96.56	110.53
2	37	47	ASP	N-CA-C	-10.58	96.56	110.53
2	4J	47	ASP	N-CA-C	-10.58	96.56	110.53
2	4R	47	ASP	N-CA-C	-10.58	96.56	110.53
2	5Z	47	ASP	N-CA-C	-10.58	96.56	110.53
2	6F	47	ASP	N-CA-C	-10.58	96.56	110.53
2	6Z	47	ASP	N-CA-C	-10.58	96.56	110.53
2	7J	47	ASP	N-CA-C	-10.58	96.56	110.53
2	7V	47	ASP	N-CA-C	-10.58	96.56	110.53
2	1B	40	ASN	OD1-CG-ND2	10.58	133.18	122.60
2	1J	40	ASN	OD1-CG-ND2	10.58	133.18	122.60
2	2F	40	ASN	OD1-CG-ND2	10.58	133.18	122.60
2	27	40	ASN	OD1-CG-ND2	10.58	133.18	122.60
2	3F	40	ASN	OD1-CG-ND2	10.58	133.18	122.60
2	4B	40	ASN	OD1-CG-ND2	10.58	133.18	122.60
2	4N	40	ASN	OD1-CG-ND2	10.58	133.18	122.60
2	4V	40	ASN	OD1-CG-ND2	10.58	133.18	122.60
2	5R	40	ASN	OD1-CG-ND2	10.58	133.18	122.60
2	6J	40	ASN	OD1-CG-ND2	10.58	133.18	122.60
2	6R	40	ASN	OD1-CG-ND2	10.58	133.18	122.60
2	7N	40	ASN	OD1-CG-ND2	10.58	133.18	122.60
1	12	67	GLY	N-CA-C	10.57	125.00	111.37
1	16	67	GLY	N-CA-C	10.57	125.00	111.37
1	2A	67	GLY	N-CA-C	10.57	125.00	111.37
1	3Q	67	GLY	N-CA-C	10.57	125.00	111.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	67	GLY	N-CA-C	10.57	125.00	111.37
1	3Y	67	GLY	N-CA-C	10.57	125.00	111.37
1	5E	67	GLY	N-CA-C	10.57	125.00	111.37
1	5I	67	GLY	N-CA-C	10.57	125.00	111.37
1	5M	67	GLY	N-CA-C	10.57	125.00	111.37
1	62	67	GLY	N-CA-C	10.57	125.00	111.37
1	66	67	GLY	N-CA-C	10.57	125.00	111.37
1	7A	67	GLY	N-CA-C	10.57	125.00	111.37
1	1A	67	GLY	N-CA-C	10.56	125.00	111.37
1	1I	67	GLY	N-CA-C	10.56	125.00	111.37
2	1R	40	ASN	OD1-CG-ND2	10.56	133.16	122.60
2	1V	40	ASN	OD1-CG-ND2	10.56	133.16	122.60
2	1Z	40	ASN	OD1-CG-ND2	10.56	133.16	122.60
1	2E	67	GLY	N-CA-C	10.56	125.00	111.37
2	2R	40	ASN	OD1-CG-ND2	10.56	133.16	122.60
2	2V	40	ASN	OD1-CG-ND2	10.56	133.16	122.60
2	2Z	40	ASN	OD1-CG-ND2	10.56	133.16	122.60
1	26	67	GLY	N-CA-C	10.56	125.00	111.37
1	3E	67	GLY	N-CA-C	10.56	125.00	111.37
1	4A	67	GLY	N-CA-C	10.56	125.00	111.37
1	4M	67	GLY	N-CA-C	10.56	125.00	111.37
1	4U	67	GLY	N-CA-C	10.56	125.00	111.37
2	43	40	ASN	OD1-CG-ND2	10.56	133.16	122.60
2	47	40	ASN	OD1-CG-ND2	10.56	133.16	122.60
2	5B	40	ASN	OD1-CG-ND2	10.56	133.16	122.60
1	5Q	67	GLY	N-CA-C	10.56	125.00	111.37
2	53	40	ASN	OD1-CG-ND2	10.56	133.16	122.60
2	57	40	ASN	OD1-CG-ND2	10.56	133.16	122.60
2	6B	40	ASN	OD1-CG-ND2	10.56	133.16	122.60
1	6I	67	GLY	N-CA-C	10.56	125.00	111.37
1	6Q	67	GLY	N-CA-C	10.56	125.00	111.37
1	7M	67	GLY	N-CA-C	10.56	125.00	111.37
1	1M	84	ARG	CA-C-N	-10.56	104.21	123.01
1	1M	84	ARG	C-N-CA	-10.56	104.21	123.01
1	2I	84	ARG	CA-C-N	-10.56	104.21	123.01
1	2I	84	ARG	C-N-CA	-10.56	104.21	123.01
1	3A	84	ARG	CA-C-N	-10.56	104.21	123.01
1	3A	84	ARG	C-N-CA	-10.56	104.21	123.01
1	3I	84	ARG	CA-C-N	-10.56	104.21	123.01
1	3I	84	ARG	C-N-CA	-10.56	104.21	123.01
1	32	84	ARG	CA-C-N	-10.56	104.21	123.01
1	32	84	ARG	C-N-CA	-10.56	104.21	123.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	84	ARG	CA-C-N	-10.56	104.21	123.01
1	4E	84	ARG	C-N-CA	-10.56	104.21	123.01
1	4Y	84	ARG	CA-C-N	-10.56	104.21	123.01
1	4Y	84	ARG	C-N-CA	-10.56	104.21	123.01
1	5U	84	ARG	CA-C-N	-10.56	104.21	123.01
1	5U	84	ARG	C-N-CA	-10.56	104.21	123.01
1	6M	84	ARG	CA-C-N	-10.56	104.21	123.01
1	6M	84	ARG	C-N-CA	-10.56	104.21	123.01
1	6U	84	ARG	CA-C-N	-10.56	104.21	123.01
1	6U	84	ARG	C-N-CA	-10.56	104.21	123.01
1	7E	84	ARG	CA-C-N	-10.56	104.21	123.01
1	7E	84	ARG	C-N-CA	-10.56	104.21	123.01
1	7Q	84	ARG	CA-C-N	-10.56	104.21	123.01
1	7Q	84	ARG	C-N-CA	-10.56	104.21	123.01
2	13	40	ASN	OD1-CG-ND2	10.55	133.15	122.60
2	17	40	ASN	OD1-CG-ND2	10.55	133.15	122.60
2	2B	40	ASN	OD1-CG-ND2	10.55	133.15	122.60
2	3R	40	ASN	OD1-CG-ND2	10.55	133.15	122.60
2	3V	40	ASN	OD1-CG-ND2	10.55	133.15	122.60
2	3Z	40	ASN	OD1-CG-ND2	10.55	133.15	122.60
2	5F	40	ASN	OD1-CG-ND2	10.55	133.15	122.60
2	5J	40	ASN	OD1-CG-ND2	10.55	133.15	122.60
2	5N	40	ASN	OD1-CG-ND2	10.55	133.15	122.60
2	63	40	ASN	OD1-CG-ND2	10.55	133.15	122.60
2	67	40	ASN	OD1-CG-ND2	10.55	133.15	122.60
2	7B	40	ASN	OD1-CG-ND2	10.55	133.15	122.60
1	1E	84	ARG	CA-C-N	-10.55	104.23	123.01
1	1E	84	ARG	C-N-CA	-10.55	104.23	123.01
1	12	84	ARG	CA-C-N	-10.55	104.23	123.01
1	12	84	ARG	C-N-CA	-10.55	104.23	123.01
1	16	84	ARG	CA-C-N	-10.55	104.23	123.01
1	16	84	ARG	C-N-CA	-10.55	104.23	123.01
1	2A	84	ARG	CA-C-N	-10.55	104.23	123.01
1	2A	84	ARG	C-N-CA	-10.55	104.23	123.01
1	2M	84	ARG	CA-C-N	-10.55	104.23	123.01
1	2M	84	ARG	C-N-CA	-10.55	104.23	123.01
1	22	84	ARG	CA-C-N	-10.55	104.23	123.01
1	22	84	ARG	C-N-CA	-10.55	104.23	123.01
1	3M	84	ARG	CA-C-N	-10.55	104.23	123.01
1	3M	84	ARG	C-N-CA	-10.55	104.23	123.01
1	3Q	84	ARG	CA-C-N	-10.55	104.23	123.01
1	3Q	84	ARG	C-N-CA	-10.55	104.23	123.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	84	ARG	CA-C-N	-10.55	104.23	123.01
1	3U	84	ARG	C-N-CA	-10.55	104.23	123.01
1	3Y	84	ARG	CA-C-N	-10.55	104.23	123.01
1	3Y	84	ARG	C-N-CA	-10.55	104.23	123.01
1	36	84	ARG	CA-C-N	-10.55	104.23	123.01
1	36	84	ARG	C-N-CA	-10.55	104.23	123.01
1	4I	84	ARG	CA-C-N	-10.55	104.23	123.01
1	4I	84	ARG	C-N-CA	-10.55	104.23	123.01
1	4Q	84	ARG	CA-C-N	-10.55	104.23	123.01
1	4Q	84	ARG	C-N-CA	-10.55	104.23	123.01
1	5E	84	ARG	CA-C-N	-10.55	104.23	123.01
1	5E	84	ARG	C-N-CA	-10.55	104.23	123.01
1	5I	84	ARG	CA-C-N	-10.55	104.23	123.01
1	5I	84	ARG	C-N-CA	-10.55	104.23	123.01
1	5M	84	ARG	CA-C-N	-10.55	104.23	123.01
1	5M	84	ARG	C-N-CA	-10.55	104.23	123.01
1	5Y	84	ARG	CA-C-N	-10.55	104.23	123.01
1	5Y	84	ARG	C-N-CA	-10.55	104.23	123.01
1	6E	84	ARG	CA-C-N	-10.55	104.23	123.01
1	6E	84	ARG	C-N-CA	-10.55	104.23	123.01
1	6Y	84	ARG	CA-C-N	-10.55	104.23	123.01
1	6Y	84	ARG	C-N-CA	-10.55	104.23	123.01
1	62	84	ARG	CA-C-N	-10.55	104.23	123.01
1	62	84	ARG	C-N-CA	-10.55	104.23	123.01
1	66	84	ARG	CA-C-N	-10.55	104.23	123.01
1	66	84	ARG	C-N-CA	-10.55	104.23	123.01
1	7A	84	ARG	CA-C-N	-10.55	104.23	123.01
1	7A	84	ARG	C-N-CA	-10.55	104.23	123.01
1	7I	84	ARG	CA-C-N	-10.55	104.23	123.01
1	7I	84	ARG	C-N-CA	-10.55	104.23	123.01
1	7U	84	ARG	CA-C-N	-10.55	104.23	123.01
1	7U	84	ARG	C-N-CA	-10.55	104.23	123.01
1	1A	84	ARG	CA-C-N	-10.55	104.24	123.01
1	1A	84	ARG	C-N-CA	-10.55	104.24	123.01
1	1I	84	ARG	CA-C-N	-10.55	104.24	123.01
1	1I	84	ARG	C-N-CA	-10.55	104.24	123.01
1	2E	84	ARG	CA-C-N	-10.55	104.24	123.01
1	2E	84	ARG	C-N-CA	-10.55	104.24	123.01
1	26	84	ARG	CA-C-N	-10.55	104.24	123.01
1	26	84	ARG	C-N-CA	-10.55	104.24	123.01
1	3E	84	ARG	CA-C-N	-10.55	104.24	123.01
1	3E	84	ARG	C-N-CA	-10.55	104.24	123.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	84	ARG	CA-C-N	-10.55	104.24	123.01
1	4A	84	ARG	C-N-CA	-10.55	104.24	123.01
1	4M	84	ARG	CA-C-N	-10.55	104.24	123.01
1	4M	84	ARG	C-N-CA	-10.55	104.24	123.01
1	4U	84	ARG	CA-C-N	-10.55	104.24	123.01
1	4U	84	ARG	C-N-CA	-10.55	104.24	123.01
1	5Q	84	ARG	CA-C-N	-10.55	104.24	123.01
1	5Q	84	ARG	C-N-CA	-10.55	104.24	123.01
1	6I	84	ARG	CA-C-N	-10.55	104.24	123.01
1	6I	84	ARG	C-N-CA	-10.55	104.24	123.01
1	6Q	84	ARG	CA-C-N	-10.55	104.24	123.01
1	6Q	84	ARG	C-N-CA	-10.55	104.24	123.01
1	7M	84	ARG	CA-C-N	-10.55	104.24	123.01
1	7M	84	ARG	C-N-CA	-10.55	104.24	123.01
2	1N	40	ASN	OD1-CG-ND2	10.54	133.14	122.60
2	2J	40	ASN	OD1-CG-ND2	10.54	133.14	122.60
2	3B	40	ASN	OD1-CG-ND2	10.54	133.14	122.60
2	3J	40	ASN	OD1-CG-ND2	10.54	133.14	122.60
2	33	40	ASN	OD1-CG-ND2	10.54	133.14	122.60
2	4F	40	ASN	OD1-CG-ND2	10.54	133.14	122.60
2	4Z	40	ASN	OD1-CG-ND2	10.54	133.14	122.60
2	5V	40	ASN	OD1-CG-ND2	10.54	133.14	122.60
2	6N	40	ASN	OD1-CG-ND2	10.54	133.14	122.60
2	6V	40	ASN	OD1-CG-ND2	10.54	133.14	122.60
2	7F	40	ASN	OD1-CG-ND2	10.54	133.14	122.60
2	7R	40	ASN	OD1-CG-ND2	10.54	133.14	122.60
1	1M	182	PHE	CB-CA-C	10.54	133.25	111.11
1	2I	182	PHE	CB-CA-C	10.54	133.25	111.11
1	3A	182	PHE	CB-CA-C	10.54	133.25	111.11
1	3I	182	PHE	CB-CA-C	10.54	133.25	111.11
1	32	182	PHE	CB-CA-C	10.54	133.25	111.11
1	4E	182	PHE	CB-CA-C	10.54	133.25	111.11
1	4Y	182	PHE	CB-CA-C	10.54	133.25	111.11
1	5U	182	PHE	CB-CA-C	10.54	133.25	111.11
1	6M	182	PHE	CB-CA-C	10.54	133.25	111.11
1	6U	182	PHE	CB-CA-C	10.54	133.25	111.11
1	7E	182	PHE	CB-CA-C	10.54	133.25	111.11
1	7Q	182	PHE	CB-CA-C	10.54	133.25	111.11
1	1Q	182	PHE	CB-CA-C	10.54	133.24	111.11
1	1U	182	PHE	CB-CA-C	10.54	133.24	111.11
1	1Y	182	PHE	CB-CA-C	10.54	133.24	111.11
1	12	182	PHE	CB-CA-C	10.54	133.24	111.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16	182	PHE	CB-CA-C	10.54	133.24	111.11
1	2A	182	PHE	CB-CA-C	10.54	133.24	111.11
1	2Q	182	PHE	CB-CA-C	10.54	133.24	111.11
1	2U	182	PHE	CB-CA-C	10.54	133.24	111.11
1	2Y	182	PHE	CB-CA-C	10.54	133.24	111.11
1	3Q	182	PHE	CB-CA-C	10.54	133.24	111.11
1	3U	182	PHE	CB-CA-C	10.54	133.24	111.11
1	3Y	182	PHE	CB-CA-C	10.54	133.24	111.11
1	42	182	PHE	CB-CA-C	10.54	133.24	111.11
1	46	182	PHE	CB-CA-C	10.54	133.24	111.11
1	5A	182	PHE	CB-CA-C	10.54	133.24	111.11
1	5E	182	PHE	CB-CA-C	10.54	133.24	111.11
1	5I	182	PHE	CB-CA-C	10.54	133.24	111.11
1	5M	182	PHE	CB-CA-C	10.54	133.24	111.11
1	52	182	PHE	CB-CA-C	10.54	133.24	111.11
1	56	182	PHE	CB-CA-C	10.54	133.24	111.11
1	6A	182	PHE	CB-CA-C	10.54	133.24	111.11
1	62	182	PHE	CB-CA-C	10.54	133.24	111.11
1	66	182	PHE	CB-CA-C	10.54	133.24	111.11
1	7A	182	PHE	CB-CA-C	10.54	133.24	111.11
1	1A	182	PHE	CB-CA-C	10.54	133.24	111.11
1	1E	182	PHE	CB-CA-C	10.54	133.24	111.11
1	1I	182	PHE	CB-CA-C	10.54	133.24	111.11
1	1Q	84	ARG	CA-C-N	-10.54	104.26	123.01
1	1Q	84	ARG	C-N-CA	-10.54	104.26	123.01
1	1U	84	ARG	CA-C-N	-10.54	104.26	123.01
1	1U	84	ARG	C-N-CA	-10.54	104.26	123.01
1	1Y	84	ARG	CA-C-N	-10.54	104.26	123.01
1	1Y	84	ARG	C-N-CA	-10.54	104.26	123.01
1	2E	182	PHE	CB-CA-C	10.54	133.24	111.11
1	2M	182	PHE	CB-CA-C	10.54	133.24	111.11
1	2Q	84	ARG	CA-C-N	-10.54	104.26	123.01
1	2Q	84	ARG	C-N-CA	-10.54	104.26	123.01
1	2U	84	ARG	CA-C-N	-10.54	104.26	123.01
1	2U	84	ARG	C-N-CA	-10.54	104.26	123.01
1	2Y	84	ARG	CA-C-N	-10.54	104.26	123.01
1	2Y	84	ARG	C-N-CA	-10.54	104.26	123.01
1	22	182	PHE	CB-CA-C	10.54	133.24	111.11
1	26	182	PHE	CB-CA-C	10.54	133.24	111.11
1	3E	182	PHE	CB-CA-C	10.54	133.24	111.11
1	3M	182	PHE	CB-CA-C	10.54	133.24	111.11
1	36	182	PHE	CB-CA-C	10.54	133.24	111.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	182	PHE	CB-CA-C	10.54	133.24	111.11
1	4I	182	PHE	CB-CA-C	10.54	133.24	111.11
1	4M	182	PHE	CB-CA-C	10.54	133.24	111.11
1	4Q	182	PHE	CB-CA-C	10.54	133.24	111.11
1	4U	182	PHE	CB-CA-C	10.54	133.24	111.11
1	42	84	ARG	CA-C-N	-10.54	104.26	123.01
1	42	84	ARG	C-N-CA	-10.54	104.26	123.01
1	46	84	ARG	CA-C-N	-10.54	104.26	123.01
1	46	84	ARG	C-N-CA	-10.54	104.26	123.01
1	5A	84	ARG	CA-C-N	-10.54	104.26	123.01
1	5A	84	ARG	C-N-CA	-10.54	104.26	123.01
1	5Q	182	PHE	CB-CA-C	10.54	133.24	111.11
1	5Y	182	PHE	CB-CA-C	10.54	133.24	111.11
1	52	84	ARG	CA-C-N	-10.54	104.26	123.01
1	52	84	ARG	C-N-CA	-10.54	104.26	123.01
1	56	84	ARG	CA-C-N	-10.54	104.26	123.01
1	56	84	ARG	C-N-CA	-10.54	104.26	123.01
1	6A	84	ARG	CA-C-N	-10.54	104.26	123.01
1	6A	84	ARG	C-N-CA	-10.54	104.26	123.01
1	6E	182	PHE	CB-CA-C	10.54	133.24	111.11
1	6I	182	PHE	CB-CA-C	10.54	133.24	111.11
1	6Q	182	PHE	CB-CA-C	10.54	133.24	111.11
1	6Y	182	PHE	CB-CA-C	10.54	133.24	111.11
1	7I	182	PHE	CB-CA-C	10.54	133.24	111.11
1	7M	182	PHE	CB-CA-C	10.54	133.24	111.11
1	7U	182	PHE	CB-CA-C	10.54	133.24	111.11
2	1B	27	PRO	O-C-N	10.51	136.82	122.64
2	1J	27	PRO	O-C-N	10.51	136.82	122.64
2	2F	27	PRO	O-C-N	10.51	136.82	122.64
2	27	27	PRO	O-C-N	10.51	136.82	122.64
2	3F	27	PRO	O-C-N	10.51	136.82	122.64
2	4B	27	PRO	O-C-N	10.51	136.82	122.64
2	4N	27	PRO	O-C-N	10.51	136.82	122.64
2	4V	27	PRO	O-C-N	10.51	136.82	122.64
2	5R	27	PRO	O-C-N	10.51	136.82	122.64
2	6J	27	PRO	O-C-N	10.51	136.82	122.64
2	6R	27	PRO	O-C-N	10.51	136.82	122.64
2	7N	27	PRO	O-C-N	10.51	136.82	122.64
1	1A	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	1I	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	12	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	16	39	GLN	CA-CB-CG	10.50	135.09	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	2E	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	26	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	3E	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	3Q	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	3U	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	3Y	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	4A	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	4M	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	4U	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	5E	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	5I	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	5M	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	5Q	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	6I	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	6Q	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	62	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	66	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	7A	39	GLN	CA-CB-CG	10.50	135.09	114.10
1	7M	39	GLN	CA-CB-CG	10.50	135.09	114.10
2	1F	27	PRO	O-C-N	10.49	136.80	122.64
2	2N	27	PRO	O-C-N	10.49	136.80	122.64
2	23	27	PRO	O-C-N	10.49	136.80	122.64
2	3N	27	PRO	O-C-N	10.49	136.80	122.64
2	37	27	PRO	O-C-N	10.49	136.80	122.64
2	4J	27	PRO	O-C-N	10.49	136.80	122.64
2	4R	27	PRO	O-C-N	10.49	136.80	122.64
2	5Z	27	PRO	O-C-N	10.49	136.80	122.64
2	6F	27	PRO	O-C-N	10.49	136.80	122.64
2	6Z	27	PRO	O-C-N	10.49	136.80	122.64
2	7J	27	PRO	O-C-N	10.49	136.80	122.64
2	7V	27	PRO	O-C-N	10.49	136.80	122.64
1	1E	39	GLN	CA-CB-CG	10.49	135.07	114.10
1	1M	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	1Q	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	1U	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	1Y	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	2I	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	2U	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	2Y	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	5A	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	12	48	TYR	CA-CB-CG	-10.49	95.03	113.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16	48	TYR	CA-CB-CG	-10.49	95.03	113.90
1	2A	48	TYR	CA-CB-CG	-10.49	95.03	113.90
1	2M	39	GLN	CA-CB-CG	10.49	135.07	114.10
1	2Q	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	22	39	GLN	CA-CB-CG	10.49	135.07	114.10
1	3A	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	3I	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	3M	39	GLN	CA-CB-CG	10.49	135.07	114.10
1	32	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	4E	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	42	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	3Q	48	TYR	CA-CB-CG	-10.49	95.03	113.90
1	3U	48	TYR	CA-CB-CG	-10.49	95.03	113.90
1	3Y	48	TYR	CA-CB-CG	-10.49	95.03	113.90
1	36	39	GLN	CA-CB-CG	10.49	135.07	114.10
1	4I	39	GLN	CA-CB-CG	10.49	135.07	114.10
1	4Q	39	GLN	CA-CB-CG	10.49	135.07	114.10
1	4Y	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	46	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	5U	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	56	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	6A	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	6M	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	6U	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	7E	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	7Q	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	5E	48	TYR	CA-CB-CG	-10.49	95.03	113.90
1	5I	48	TYR	CA-CB-CG	-10.49	95.03	113.90
1	5M	48	TYR	CA-CB-CG	-10.49	95.03	113.90
1	5Y	39	GLN	CA-CB-CG	10.49	135.07	114.10
1	52	39	GLN	CA-CB-CG	10.49	135.08	114.10
1	6E	39	GLN	CA-CB-CG	10.49	135.07	114.10
1	6Y	39	GLN	CA-CB-CG	10.49	135.07	114.10
1	62	48	TYR	CA-CB-CG	-10.49	95.03	113.90
1	66	48	TYR	CA-CB-CG	-10.49	95.03	113.90
1	7A	48	TYR	CA-CB-CG	-10.49	95.03	113.90
1	7I	39	GLN	CA-CB-CG	10.49	135.07	114.10
1	7U	39	GLN	CA-CB-CG	10.49	135.07	114.10
2	1N	27	PRO	O-C-N	10.48	136.79	122.64
2	2J	27	PRO	O-C-N	10.48	136.79	122.64
2	3B	27	PRO	O-C-N	10.48	136.79	122.64
2	3J	27	PRO	O-C-N	10.48	136.79	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	27	PRO	O-C-N	10.48	136.79	122.64
2	4F	27	PRO	O-C-N	10.48	136.79	122.64
2	4Z	27	PRO	O-C-N	10.48	136.79	122.64
2	5V	27	PRO	O-C-N	10.48	136.79	122.64
2	6N	27	PRO	O-C-N	10.48	136.79	122.64
2	6V	27	PRO	O-C-N	10.48	136.79	122.64
2	7F	27	PRO	O-C-N	10.48	136.79	122.64
2	7R	27	PRO	O-C-N	10.48	136.79	122.64
1	1A	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	1B	36	SER	N-CA-C	-10.47	99.03	112.23
1	1E	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	1I	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	1J	36	SER	N-CA-C	-10.47	99.03	112.23
1	5Y	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	6Y	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	1Q	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	1U	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	1Y	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	2E	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	2F	36	SER	N-CA-C	-10.47	99.03	112.23
1	2M	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	22	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	36	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	2Q	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	2U	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	2Y	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	26	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	27	36	SER	N-CA-C	-10.47	99.03	112.23
1	3E	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	3F	36	SER	N-CA-C	-10.47	99.03	112.23
1	3M	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	4A	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	4B	36	SER	N-CA-C	-10.47	99.03	112.23
1	4I	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	4M	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	4N	36	SER	N-CA-C	-10.47	99.03	112.23
1	4Q	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	4U	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	4V	36	SER	N-CA-C	-10.47	99.03	112.23
1	42	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	46	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	5A	48	TYR	CA-CB-CG	-10.47	95.05	113.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Q	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	5R	36	SER	N-CA-C	-10.47	99.03	112.23
1	6E	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	52	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	56	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	6A	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	6I	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	6J	36	SER	N-CA-C	-10.47	99.03	112.23
1	6Q	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	6R	36	SER	N-CA-C	-10.47	99.03	112.23
1	7I	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	7M	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	7N	36	SER	N-CA-C	-10.47	99.03	112.23
1	7U	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	1F	221	ALA	CA-C-N	-10.47	105.26	122.54
2	1F	221	ALA	C-N-CA	-10.47	105.26	122.54
1	1M	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	13	221	ALA	CA-C-N	-10.47	105.26	122.54
2	13	221	ALA	C-N-CA	-10.47	105.26	122.54
2	17	221	ALA	CA-C-N	-10.47	105.26	122.54
2	17	221	ALA	C-N-CA	-10.47	105.26	122.54
2	2B	221	ALA	CA-C-N	-10.47	105.26	122.54
2	2B	221	ALA	C-N-CA	-10.47	105.26	122.54
1	2I	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	2N	221	ALA	CA-C-N	-10.47	105.26	122.54
2	2N	221	ALA	C-N-CA	-10.47	105.26	122.54
2	23	221	ALA	CA-C-N	-10.47	105.26	122.54
2	23	221	ALA	C-N-CA	-10.47	105.26	122.54
1	3A	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	3I	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	3N	221	ALA	CA-C-N	-10.47	105.26	122.54
2	3N	221	ALA	C-N-CA	-10.47	105.26	122.54
2	3R	221	ALA	CA-C-N	-10.47	105.26	122.54
2	3R	221	ALA	C-N-CA	-10.47	105.26	122.54
2	3V	221	ALA	CA-C-N	-10.47	105.26	122.54
2	3V	221	ALA	C-N-CA	-10.47	105.26	122.54
2	3Z	221	ALA	CA-C-N	-10.47	105.26	122.54
2	3Z	221	ALA	C-N-CA	-10.47	105.26	122.54
1	32	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	37	221	ALA	CA-C-N	-10.47	105.26	122.54
2	37	221	ALA	C-N-CA	-10.47	105.26	122.54
1	4E	48	TYR	CA-CB-CG	-10.47	95.05	113.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4J	221	ALA	CA-C-N	-10.47	105.26	122.54
2	4J	221	ALA	C-N-CA	-10.47	105.26	122.54
2	4R	221	ALA	CA-C-N	-10.47	105.26	122.54
2	4R	221	ALA	C-N-CA	-10.47	105.26	122.54
1	4Y	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	5F	221	ALA	CA-C-N	-10.47	105.26	122.54
2	5F	221	ALA	C-N-CA	-10.47	105.26	122.54
2	5J	221	ALA	CA-C-N	-10.47	105.26	122.54
2	5J	221	ALA	C-N-CA	-10.47	105.26	122.54
2	5N	221	ALA	CA-C-N	-10.47	105.26	122.54
2	5N	221	ALA	C-N-CA	-10.47	105.26	122.54
1	5U	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	5Z	221	ALA	CA-C-N	-10.47	105.26	122.54
2	5Z	221	ALA	C-N-CA	-10.47	105.26	122.54
2	6F	221	ALA	CA-C-N	-10.47	105.26	122.54
2	6F	221	ALA	C-N-CA	-10.47	105.26	122.54
1	6M	48	TYR	CA-CB-CG	-10.47	95.05	113.90
1	6U	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	6Z	221	ALA	CA-C-N	-10.47	105.26	122.54
2	6Z	221	ALA	C-N-CA	-10.47	105.26	122.54
2	63	221	ALA	CA-C-N	-10.47	105.26	122.54
2	63	221	ALA	C-N-CA	-10.47	105.26	122.54
2	67	221	ALA	CA-C-N	-10.47	105.26	122.54
2	67	221	ALA	C-N-CA	-10.47	105.26	122.54
2	7B	221	ALA	CA-C-N	-10.47	105.26	122.54
2	7B	221	ALA	C-N-CA	-10.47	105.26	122.54
1	7E	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	7J	221	ALA	CA-C-N	-10.47	105.26	122.54
2	7J	221	ALA	C-N-CA	-10.47	105.26	122.54
1	7Q	48	TYR	CA-CB-CG	-10.47	95.05	113.90
2	7V	221	ALA	CA-C-N	-10.47	105.26	122.54
2	7V	221	ALA	C-N-CA	-10.47	105.26	122.54
2	1B	221	ALA	CA-C-N	-10.47	105.27	122.54
2	1B	221	ALA	C-N-CA	-10.47	105.27	122.54
2	1J	221	ALA	CA-C-N	-10.47	105.27	122.54
2	1J	221	ALA	C-N-CA	-10.47	105.27	122.54
2	27	221	ALA	CA-C-N	-10.47	105.27	122.54
2	1F	36	SER	N-CA-C	-10.46	99.05	112.23
2	1N	228	ASP	N-CA-CB	10.46	128.18	110.49
2	2F	221	ALA	CA-C-N	-10.47	105.27	122.54
2	2F	221	ALA	C-N-CA	-10.47	105.27	122.54
2	13	228	ASP	N-CA-CB	10.46	128.18	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	17	228	ASP	N-CA-CB	10.46	128.18	110.49
2	2B	228	ASP	N-CA-CB	10.46	128.18	110.49
2	2J	228	ASP	N-CA-CB	10.46	128.18	110.49
2	27	221	ALA	C-N-CA	-10.47	105.27	122.54
2	3F	221	ALA	CA-C-N	-10.47	105.27	122.54
2	6J	221	ALA	CA-C-N	-10.47	105.27	122.54
2	6J	221	ALA	C-N-CA	-10.47	105.27	122.54
2	2N	36	SER	N-CA-C	-10.46	99.05	112.23
2	23	36	SER	N-CA-C	-10.46	99.05	112.23
2	3B	228	ASP	N-CA-CB	10.46	128.18	110.49
2	3F	221	ALA	C-N-CA	-10.47	105.27	122.54
2	3J	228	ASP	N-CA-CB	10.46	128.18	110.49
2	4B	221	ALA	CA-C-N	-10.47	105.27	122.54
2	4B	221	ALA	C-N-CA	-10.47	105.27	122.54
2	4N	221	ALA	CA-C-N	-10.47	105.27	122.54
2	3N	36	SER	N-CA-C	-10.46	99.05	112.23
2	3R	228	ASP	N-CA-CB	10.46	128.18	110.49
2	3V	228	ASP	N-CA-CB	10.46	128.18	110.49
2	3Z	228	ASP	N-CA-CB	10.46	128.18	110.49
2	33	228	ASP	N-CA-CB	10.46	128.18	110.49
2	37	36	SER	N-CA-C	-10.46	99.05	112.23
2	4F	228	ASP	N-CA-CB	10.46	128.18	110.49
2	4N	221	ALA	C-N-CA	-10.47	105.27	122.54
2	4V	221	ALA	CA-C-N	-10.47	105.27	122.54
2	4V	221	ALA	C-N-CA	-10.47	105.27	122.54
2	5R	221	ALA	CA-C-N	-10.47	105.27	122.54
2	5R	221	ALA	C-N-CA	-10.47	105.27	122.54
2	6R	221	ALA	CA-C-N	-10.47	105.27	122.54
2	6R	221	ALA	C-N-CA	-10.47	105.27	122.54
2	4J	36	SER	N-CA-C	-10.46	99.05	112.23
2	4R	36	SER	N-CA-C	-10.46	99.05	112.23
2	4Z	228	ASP	N-CA-CB	10.46	128.18	110.49
2	5F	228	ASP	N-CA-CB	10.46	128.18	110.49
2	5J	228	ASP	N-CA-CB	10.46	128.18	110.49
2	5N	228	ASP	N-CA-CB	10.46	128.18	110.49
2	5V	228	ASP	N-CA-CB	10.46	128.18	110.49
2	5Z	36	SER	N-CA-C	-10.46	99.05	112.23
2	6F	36	SER	N-CA-C	-10.46	99.05	112.23
2	6N	228	ASP	N-CA-CB	10.46	128.18	110.49
2	6V	228	ASP	N-CA-CB	10.46	128.18	110.49
2	7N	221	ALA	CA-C-N	-10.47	105.27	122.54
2	7N	221	ALA	C-N-CA	-10.47	105.27	122.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6Z	36	SER	N-CA-C	-10.46	99.05	112.23
2	63	228	ASP	N-CA-CB	10.46	128.18	110.49
2	67	228	ASP	N-CA-CB	10.46	128.18	110.49
2	7B	228	ASP	N-CA-CB	10.46	128.18	110.49
2	7F	228	ASP	N-CA-CB	10.46	128.18	110.49
2	7J	36	SER	N-CA-C	-10.46	99.05	112.23
2	7R	228	ASP	N-CA-CB	10.46	128.18	110.49
2	7V	36	SER	N-CA-C	-10.46	99.05	112.23
2	13	36	SER	N-CA-C	-10.46	99.05	112.23
2	17	36	SER	N-CA-C	-10.46	99.05	112.23
2	2B	36	SER	N-CA-C	-10.46	99.05	112.23
2	3R	36	SER	N-CA-C	-10.46	99.05	112.23
2	3V	36	SER	N-CA-C	-10.46	99.05	112.23
2	3Z	36	SER	N-CA-C	-10.46	99.05	112.23
2	5F	36	SER	N-CA-C	-10.46	99.05	112.23
2	5J	36	SER	N-CA-C	-10.46	99.05	112.23
2	5N	36	SER	N-CA-C	-10.46	99.05	112.23
2	63	36	SER	N-CA-C	-10.46	99.05	112.23
2	67	36	SER	N-CA-C	-10.46	99.05	112.23
2	7B	36	SER	N-CA-C	-10.46	99.05	112.23
2	1N	221	ALA	CA-C-N	-10.46	105.28	122.54
2	1N	221	ALA	C-N-CA	-10.46	105.28	122.54
2	1R	228	ASP	N-CA-CB	10.46	128.16	110.49
2	1V	228	ASP	N-CA-CB	10.46	128.16	110.49
2	1Z	228	ASP	N-CA-CB	10.46	128.16	110.49
2	2J	221	ALA	CA-C-N	-10.46	105.28	122.54
2	2J	221	ALA	C-N-CA	-10.46	105.28	122.54
2	2R	228	ASP	N-CA-CB	10.46	128.16	110.49
2	2V	228	ASP	N-CA-CB	10.46	128.16	110.49
2	2Z	228	ASP	N-CA-CB	10.46	128.16	110.49
2	3B	221	ALA	CA-C-N	-10.46	105.28	122.54
2	3B	221	ALA	C-N-CA	-10.46	105.28	122.54
2	3J	221	ALA	CA-C-N	-10.46	105.28	122.54
2	3J	221	ALA	C-N-CA	-10.46	105.28	122.54
2	33	221	ALA	CA-C-N	-10.46	105.28	122.54
2	33	221	ALA	C-N-CA	-10.46	105.28	122.54
2	4F	221	ALA	CA-C-N	-10.46	105.28	122.54
2	4F	221	ALA	C-N-CA	-10.46	105.28	122.54
2	4Z	221	ALA	CA-C-N	-10.46	105.28	122.54
2	4Z	221	ALA	C-N-CA	-10.46	105.28	122.54
2	43	228	ASP	N-CA-CB	10.46	128.16	110.49
2	47	228	ASP	N-CA-CB	10.46	128.16	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5B	228	ASP	N-CA-CB	10.46	128.16	110.49
2	5V	221	ALA	CA-C-N	-10.46	105.28	122.54
2	5V	221	ALA	C-N-CA	-10.46	105.28	122.54
2	53	228	ASP	N-CA-CB	10.46	128.16	110.49
2	57	228	ASP	N-CA-CB	10.46	128.16	110.49
2	6B	228	ASP	N-CA-CB	10.46	128.16	110.49
2	6N	221	ALA	CA-C-N	-10.46	105.28	122.54
2	6N	221	ALA	C-N-CA	-10.46	105.28	122.54
2	6V	221	ALA	CA-C-N	-10.46	105.28	122.54
2	6V	221	ALA	C-N-CA	-10.46	105.28	122.54
2	7F	221	ALA	CA-C-N	-10.46	105.28	122.54
2	7F	221	ALA	C-N-CA	-10.46	105.28	122.54
2	7R	221	ALA	CA-C-N	-10.46	105.28	122.54
2	7R	221	ALA	C-N-CA	-10.46	105.28	122.54
2	1R	36	SER	N-CA-C	-10.46	99.06	112.23
2	1V	36	SER	N-CA-C	-10.46	99.06	112.23
2	1Z	36	SER	N-CA-C	-10.46	99.06	112.23
2	13	27	PRO	O-C-N	10.46	136.75	122.64
2	17	27	PRO	O-C-N	10.46	136.75	122.64
2	2B	27	PRO	O-C-N	10.46	136.75	122.64
2	2R	36	SER	N-CA-C	-10.46	99.06	112.23
2	2V	36	SER	N-CA-C	-10.46	99.06	112.23
2	2Z	36	SER	N-CA-C	-10.46	99.06	112.23
2	3R	27	PRO	O-C-N	10.46	136.75	122.64
2	3V	27	PRO	O-C-N	10.46	136.75	122.64
2	3Z	27	PRO	O-C-N	10.46	136.75	122.64
2	43	36	SER	N-CA-C	-10.46	99.06	112.23
2	47	36	SER	N-CA-C	-10.46	99.06	112.23
2	5B	36	SER	N-CA-C	-10.46	99.06	112.23
2	5F	27	PRO	O-C-N	10.46	136.75	122.64
2	5J	27	PRO	O-C-N	10.46	136.75	122.64
2	5N	27	PRO	O-C-N	10.46	136.75	122.64
2	53	36	SER	N-CA-C	-10.46	99.06	112.23
2	57	36	SER	N-CA-C	-10.46	99.06	112.23
2	6B	36	SER	N-CA-C	-10.46	99.06	112.23
2	63	27	PRO	O-C-N	10.46	136.75	122.64
2	67	27	PRO	O-C-N	10.46	136.75	122.64
2	7B	27	PRO	O-C-N	10.46	136.75	122.64
2	1B	228	ASP	N-CA-CB	10.45	128.15	110.49
2	1J	228	ASP	N-CA-CB	10.45	128.15	110.49
2	1R	27	PRO	O-C-N	10.45	136.75	122.64
2	1V	27	PRO	O-C-N	10.45	136.75	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1Z	27	PRO	O-C-N	10.45	136.75	122.64
2	2F	228	ASP	N-CA-CB	10.45	128.15	110.49
2	2R	27	PRO	O-C-N	10.45	136.75	122.64
2	2V	27	PRO	O-C-N	10.45	136.75	122.64
2	2Z	27	PRO	O-C-N	10.45	136.75	122.64
2	27	228	ASP	N-CA-CB	10.45	128.15	110.49
2	3F	228	ASP	N-CA-CB	10.45	128.15	110.49
2	4B	228	ASP	N-CA-CB	10.45	128.15	110.49
2	4N	228	ASP	N-CA-CB	10.45	128.15	110.49
2	4V	228	ASP	N-CA-CB	10.45	128.15	110.49
2	43	27	PRO	O-C-N	10.45	136.75	122.64
2	47	27	PRO	O-C-N	10.45	136.75	122.64
2	5B	27	PRO	O-C-N	10.45	136.75	122.64
2	5R	228	ASP	N-CA-CB	10.45	128.15	110.49
2	53	27	PRO	O-C-N	10.45	136.75	122.64
2	57	27	PRO	O-C-N	10.45	136.75	122.64
2	6B	27	PRO	O-C-N	10.45	136.75	122.64
2	6J	228	ASP	N-CA-CB	10.45	128.15	110.49
2	6R	228	ASP	N-CA-CB	10.45	128.15	110.49
2	7N	228	ASP	N-CA-CB	10.45	128.15	110.49
2	1N	36	SER	N-CA-C	-10.44	99.07	112.23
2	1R	221	ALA	CA-C-N	-10.44	105.31	122.54
2	1R	221	ALA	C-N-CA	-10.44	105.31	122.54
2	1V	221	ALA	CA-C-N	-10.44	105.31	122.54
2	1V	221	ALA	C-N-CA	-10.44	105.31	122.54
2	1Z	221	ALA	CA-C-N	-10.44	105.31	122.54
2	1Z	221	ALA	C-N-CA	-10.44	105.31	122.54
2	2J	36	SER	N-CA-C	-10.44	99.07	112.23
2	2R	221	ALA	CA-C-N	-10.44	105.31	122.54
2	2R	221	ALA	C-N-CA	-10.44	105.31	122.54
2	2V	221	ALA	CA-C-N	-10.44	105.31	122.54
2	2V	221	ALA	C-N-CA	-10.44	105.31	122.54
2	2Z	221	ALA	CA-C-N	-10.44	105.31	122.54
2	2Z	221	ALA	C-N-CA	-10.44	105.31	122.54
2	3B	36	SER	N-CA-C	-10.44	99.07	112.23
2	3J	36	SER	N-CA-C	-10.44	99.07	112.23
2	33	36	SER	N-CA-C	-10.44	99.07	112.23
2	4F	36	SER	N-CA-C	-10.44	99.07	112.23
2	4Z	36	SER	N-CA-C	-10.44	99.07	112.23
2	43	221	ALA	CA-C-N	-10.44	105.31	122.54
2	43	221	ALA	C-N-CA	-10.44	105.31	122.54
2	47	221	ALA	CA-C-N	-10.44	105.31	122.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	47	221	ALA	C-N-CA	-10.44	105.31	122.54
2	5B	221	ALA	CA-C-N	-10.44	105.31	122.54
2	5B	221	ALA	C-N-CA	-10.44	105.31	122.54
2	5V	36	SER	N-CA-C	-10.44	99.07	112.23
2	53	221	ALA	CA-C-N	-10.44	105.31	122.54
2	53	221	ALA	C-N-CA	-10.44	105.31	122.54
2	57	221	ALA	CA-C-N	-10.44	105.31	122.54
2	57	221	ALA	C-N-CA	-10.44	105.31	122.54
2	6B	221	ALA	CA-C-N	-10.44	105.31	122.54
2	6B	221	ALA	C-N-CA	-10.44	105.31	122.54
2	6N	36	SER	N-CA-C	-10.44	99.07	112.23
2	6V	36	SER	N-CA-C	-10.44	99.07	112.23
2	7F	36	SER	N-CA-C	-10.44	99.07	112.23
2	7R	36	SER	N-CA-C	-10.44	99.07	112.23
2	1F	228	ASP	N-CA-CB	10.44	128.13	110.49
2	2N	228	ASP	N-CA-CB	10.44	128.13	110.49
2	23	228	ASP	N-CA-CB	10.44	128.13	110.49
2	3N	228	ASP	N-CA-CB	10.44	128.13	110.49
2	37	228	ASP	N-CA-CB	10.44	128.13	110.49
2	4J	228	ASP	N-CA-CB	10.44	128.13	110.49
2	4R	228	ASP	N-CA-CB	10.44	128.13	110.49
2	5Z	228	ASP	N-CA-CB	10.44	128.13	110.49
2	6F	228	ASP	N-CA-CB	10.44	128.13	110.49
2	6Z	228	ASP	N-CA-CB	10.44	128.13	110.49
2	7J	228	ASP	N-CA-CB	10.44	128.13	110.49
2	7V	228	ASP	N-CA-CB	10.44	128.13	110.49
1	1A	79	THR	N-CA-C	-10.43	98.29	111.02
1	1I	79	THR	N-CA-C	-10.43	98.29	111.02
2	13	70	TRP	O-C-N	10.43	136.30	123.16
2	17	70	TRP	O-C-N	10.43	136.30	123.16
2	2B	70	TRP	O-C-N	10.43	136.30	123.16
1	2E	79	THR	N-CA-C	-10.43	98.29	111.02
1	26	79	THR	N-CA-C	-10.43	98.29	111.02
1	3E	79	THR	N-CA-C	-10.43	98.29	111.02
2	3R	70	TRP	O-C-N	10.43	136.30	123.16
2	3V	70	TRP	O-C-N	10.43	136.30	123.16
2	3Z	70	TRP	O-C-N	10.43	136.30	123.16
1	4A	79	THR	N-CA-C	-10.43	98.29	111.02
1	4M	79	THR	N-CA-C	-10.43	98.29	111.02
1	4U	79	THR	N-CA-C	-10.43	98.29	111.02
2	5F	70	TRP	O-C-N	10.43	136.30	123.16
2	5J	70	TRP	O-C-N	10.43	136.30	123.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5N	70	TRP	O-C-N	10.43	136.30	123.16
1	5Q	79	THR	N-CA-C	-10.43	98.29	111.02
1	6I	79	THR	N-CA-C	-10.43	98.29	111.02
1	6Q	79	THR	N-CA-C	-10.43	98.29	111.02
2	63	70	TRP	O-C-N	10.43	136.30	123.16
2	67	70	TRP	O-C-N	10.43	136.30	123.16
2	7B	70	TRP	O-C-N	10.43	136.30	123.16
1	7M	79	THR	N-CA-C	-10.43	98.29	111.02
1	12	79	THR	N-CA-C	-10.43	98.30	111.02
1	16	79	THR	N-CA-C	-10.43	98.30	111.02
1	2A	79	THR	N-CA-C	-10.43	98.30	111.02
1	3Q	79	THR	N-CA-C	-10.43	98.30	111.02
1	3U	79	THR	N-CA-C	-10.43	98.30	111.02
1	3Y	79	THR	N-CA-C	-10.43	98.30	111.02
1	5E	79	THR	N-CA-C	-10.43	98.30	111.02
1	5I	79	THR	N-CA-C	-10.43	98.30	111.02
1	5M	79	THR	N-CA-C	-10.43	98.30	111.02
1	62	79	THR	N-CA-C	-10.43	98.30	111.02
1	66	79	THR	N-CA-C	-10.43	98.30	111.02
1	7A	79	THR	N-CA-C	-10.43	98.30	111.02
1	1M	79	THR	N-CA-C	-10.42	98.31	111.02
1	2I	79	THR	N-CA-C	-10.42	98.31	111.02
1	3A	79	THR	N-CA-C	-10.42	98.31	111.02
1	3I	79	THR	N-CA-C	-10.42	98.31	111.02
1	32	79	THR	N-CA-C	-10.42	98.31	111.02
1	4E	79	THR	N-CA-C	-10.42	98.31	111.02
1	4Y	79	THR	N-CA-C	-10.42	98.31	111.02
1	5U	79	THR	N-CA-C	-10.42	98.31	111.02
1	6M	79	THR	N-CA-C	-10.42	98.31	111.02
1	6U	79	THR	N-CA-C	-10.42	98.31	111.02
1	7E	79	THR	N-CA-C	-10.42	98.31	111.02
1	7Q	79	THR	N-CA-C	-10.42	98.31	111.02
2	1F	70	TRP	O-C-N	10.42	136.29	123.16
2	2N	70	TRP	O-C-N	10.42	136.29	123.16
2	23	70	TRP	O-C-N	10.42	136.29	123.16
2	3N	70	TRP	O-C-N	10.42	136.29	123.16
2	37	70	TRP	O-C-N	10.42	136.29	123.16
2	4J	70	TRP	O-C-N	10.42	136.29	123.16
2	4R	70	TRP	O-C-N	10.42	136.29	123.16
2	5Z	70	TRP	O-C-N	10.42	136.29	123.16
2	6F	70	TRP	O-C-N	10.42	136.29	123.16
2	6Z	70	TRP	O-C-N	10.42	136.29	123.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	70	TRP	O-C-N	10.42	136.29	123.16
2	7V	70	TRP	O-C-N	10.42	136.29	123.16
1	1E	50	ARG	CA-C-O	-10.41	105.62	120.51
1	1E	79	THR	N-CA-C	-10.41	98.32	111.02
1	1Q	79	THR	N-CA-C	-10.41	98.32	111.02
1	1U	79	THR	N-CA-C	-10.41	98.32	111.02
1	1Y	79	THR	N-CA-C	-10.41	98.32	111.02
1	2M	50	ARG	CA-C-O	-10.41	105.62	120.51
1	2M	79	THR	N-CA-C	-10.41	98.32	111.02
1	2Q	79	THR	N-CA-C	-10.41	98.32	111.02
1	2U	79	THR	N-CA-C	-10.41	98.32	111.02
1	2Y	79	THR	N-CA-C	-10.41	98.32	111.02
1	22	50	ARG	CA-C-O	-10.41	105.62	120.51
1	22	79	THR	N-CA-C	-10.41	98.32	111.02
1	3M	50	ARG	CA-C-O	-10.41	105.62	120.51
1	3M	79	THR	N-CA-C	-10.41	98.32	111.02
1	36	50	ARG	CA-C-O	-10.41	105.62	120.51
1	36	79	THR	N-CA-C	-10.41	98.32	111.02
1	4I	50	ARG	CA-C-O	-10.41	105.62	120.51
1	4I	79	THR	N-CA-C	-10.41	98.32	111.02
1	4Q	50	ARG	CA-C-O	-10.41	105.62	120.51
1	4Q	79	THR	N-CA-C	-10.41	98.32	111.02
1	42	79	THR	N-CA-C	-10.41	98.32	111.02
1	46	79	THR	N-CA-C	-10.41	98.32	111.02
1	5A	79	THR	N-CA-C	-10.41	98.32	111.02
1	5Y	50	ARG	CA-C-O	-10.41	105.62	120.51
1	5Y	79	THR	N-CA-C	-10.41	98.32	111.02
1	52	79	THR	N-CA-C	-10.41	98.32	111.02
1	56	79	THR	N-CA-C	-10.41	98.32	111.02
1	6A	79	THR	N-CA-C	-10.41	98.32	111.02
1	6E	50	ARG	CA-C-O	-10.41	105.62	120.51
1	6E	79	THR	N-CA-C	-10.41	98.32	111.02
1	6Y	50	ARG	CA-C-O	-10.41	105.62	120.51
1	6Y	79	THR	N-CA-C	-10.41	98.32	111.02
1	7I	50	ARG	CA-C-O	-10.41	105.62	120.51
1	7I	79	THR	N-CA-C	-10.41	98.32	111.02
1	7U	50	ARG	CA-C-O	-10.41	105.62	120.51
1	7U	79	THR	N-CA-C	-10.41	98.32	111.02
1	1M	50	ARG	CA-C-O	-10.41	105.62	120.51
1	2I	50	ARG	CA-C-O	-10.41	105.62	120.51
1	3A	50	ARG	CA-C-O	-10.41	105.62	120.51
1	3I	50	ARG	CA-C-O	-10.41	105.62	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	50	ARG	CA-C-O	-10.41	105.62	120.51
1	4E	50	ARG	CA-C-O	-10.41	105.62	120.51
1	4Y	50	ARG	CA-C-O	-10.41	105.62	120.51
1	5U	50	ARG	CA-C-O	-10.41	105.62	120.51
1	6M	50	ARG	CA-C-O	-10.41	105.62	120.51
1	6U	50	ARG	CA-C-O	-10.41	105.62	120.51
1	7E	50	ARG	CA-C-O	-10.41	105.62	120.51
1	7Q	50	ARG	CA-C-O	-10.41	105.62	120.51
2	13	227	TYR	N-CA-CB	10.41	126.66	110.84
2	17	227	TYR	N-CA-CB	10.41	126.66	110.84
2	2B	227	TYR	N-CA-CB	10.41	126.66	110.84
2	3R	227	TYR	N-CA-CB	10.41	126.66	110.84
2	3V	227	TYR	N-CA-CB	10.41	126.66	110.84
2	3Z	227	TYR	N-CA-CB	10.41	126.66	110.84
2	5F	227	TYR	N-CA-CB	10.41	126.66	110.84
2	5J	227	TYR	N-CA-CB	10.41	126.66	110.84
2	5N	227	TYR	N-CA-CB	10.41	126.66	110.84
2	63	227	TYR	N-CA-CB	10.41	126.66	110.84
2	67	227	TYR	N-CA-CB	10.41	126.66	110.84
2	7B	227	TYR	N-CA-CB	10.41	126.66	110.84
2	1N	227	TYR	N-CA-CB	10.40	126.66	110.84
2	2J	227	TYR	N-CA-CB	10.40	126.66	110.84
2	3B	227	TYR	N-CA-CB	10.40	126.66	110.84
2	3J	227	TYR	N-CA-CB	10.40	126.66	110.84
2	33	227	TYR	N-CA-CB	10.40	126.66	110.84
2	4F	227	TYR	N-CA-CB	10.40	126.66	110.84
2	4Z	227	TYR	N-CA-CB	10.40	126.66	110.84
2	5V	227	TYR	N-CA-CB	10.40	126.66	110.84
2	6N	227	TYR	N-CA-CB	10.40	126.66	110.84
2	6V	227	TYR	N-CA-CB	10.40	126.66	110.84
2	7F	227	TYR	N-CA-CB	10.40	126.66	110.84
2	7R	227	TYR	N-CA-CB	10.40	126.66	110.84
1	12	52	PHE	N-CA-CB	-10.40	91.85	110.37
1	16	52	PHE	N-CA-CB	-10.40	91.85	110.37
1	2A	52	PHE	N-CA-CB	-10.40	91.85	110.37
1	3Q	52	PHE	N-CA-CB	-10.40	91.85	110.37
1	3U	52	PHE	N-CA-CB	-10.40	91.85	110.37
1	3Y	52	PHE	N-CA-CB	-10.40	91.85	110.37
1	5E	52	PHE	N-CA-CB	-10.40	91.85	110.37
1	5I	52	PHE	N-CA-CB	-10.40	91.85	110.37
1	5M	52	PHE	N-CA-CB	-10.40	91.85	110.37
1	62	52	PHE	N-CA-CB	-10.40	91.85	110.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	52	PHE	N-CA-CB	-10.40	91.85	110.37
1	7A	52	PHE	N-CA-CB	-10.40	91.85	110.37
2	1B	70	TRP	O-C-N	10.40	136.26	123.16
2	1J	70	TRP	O-C-N	10.40	136.26	123.16
1	1Q	77	ALA	CA-C-N	10.40	140.29	122.82
1	1Q	77	ALA	C-N-CA	10.40	140.29	122.82
1	1U	77	ALA	CA-C-N	10.40	140.29	122.82
1	1U	77	ALA	C-N-CA	10.40	140.29	122.82
1	1Y	77	ALA	CA-C-N	10.40	140.29	122.82
1	1Y	77	ALA	C-N-CA	10.40	140.29	122.82
2	2F	70	TRP	O-C-N	10.40	136.26	123.16
1	2Q	77	ALA	CA-C-N	10.40	140.29	122.82
1	2Q	77	ALA	C-N-CA	10.40	140.29	122.82
1	2U	77	ALA	CA-C-N	10.40	140.29	122.82
1	2U	77	ALA	C-N-CA	10.40	140.29	122.82
1	2Y	77	ALA	CA-C-N	10.40	140.29	122.82
1	2Y	77	ALA	C-N-CA	10.40	140.29	122.82
2	27	70	TRP	O-C-N	10.40	136.26	123.16
2	3F	70	TRP	O-C-N	10.40	136.26	123.16
2	4B	70	TRP	O-C-N	10.40	136.26	123.16
2	4N	70	TRP	O-C-N	10.40	136.26	123.16
2	4V	70	TRP	O-C-N	10.40	136.26	123.16
1	42	77	ALA	CA-C-N	10.40	140.29	122.82
1	42	77	ALA	C-N-CA	10.40	140.29	122.82
1	46	77	ALA	CA-C-N	10.40	140.29	122.82
1	46	77	ALA	C-N-CA	10.40	140.29	122.82
1	5A	77	ALA	CA-C-N	10.40	140.29	122.82
1	5A	77	ALA	C-N-CA	10.40	140.29	122.82
2	5R	70	TRP	O-C-N	10.40	136.26	123.16
1	52	77	ALA	CA-C-N	10.40	140.29	122.82
1	52	77	ALA	C-N-CA	10.40	140.29	122.82
1	56	77	ALA	CA-C-N	10.40	140.29	122.82
1	56	77	ALA	C-N-CA	10.40	140.29	122.82
1	6A	77	ALA	CA-C-N	10.40	140.29	122.82
1	6A	77	ALA	C-N-CA	10.40	140.29	122.82
2	6J	70	TRP	O-C-N	10.40	136.26	123.16
2	6R	70	TRP	O-C-N	10.40	136.26	123.16
2	7N	70	TRP	O-C-N	10.40	136.26	123.16
1	1A	52	PHE	N-CA-CB	-10.40	91.87	110.37
2	1B	68	PRO	CA-C-O	10.40	139.52	120.60
1	1I	52	PHE	N-CA-CB	-10.40	91.87	110.37
2	1J	68	PRO	CA-C-O	10.40	139.52	120.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2E	52	PHE	N-CA-CB	-10.40	91.87	110.37
2	2F	68	PRO	CA-C-O	10.40	139.52	120.60
1	26	52	PHE	N-CA-CB	-10.40	91.87	110.37
2	27	68	PRO	CA-C-O	10.40	139.52	120.60
1	3E	52	PHE	N-CA-CB	-10.40	91.87	110.37
2	3F	68	PRO	CA-C-O	10.40	139.52	120.60
1	4A	52	PHE	N-CA-CB	-10.40	91.87	110.37
2	4B	68	PRO	CA-C-O	10.40	139.52	120.60
1	4M	52	PHE	N-CA-CB	-10.40	91.87	110.37
2	4N	68	PRO	CA-C-O	10.40	139.52	120.60
1	4U	52	PHE	N-CA-CB	-10.40	91.87	110.37
2	4V	68	PRO	CA-C-O	10.40	139.52	120.60
1	5Q	52	PHE	N-CA-CB	-10.40	91.87	110.37
2	5R	68	PRO	CA-C-O	10.40	139.52	120.60
1	6I	52	PHE	N-CA-CB	-10.40	91.87	110.37
2	6J	68	PRO	CA-C-O	10.40	139.52	120.60
1	6Q	52	PHE	N-CA-CB	-10.40	91.87	110.37
2	6R	68	PRO	CA-C-O	10.40	139.52	120.60
1	7M	52	PHE	N-CA-CB	-10.40	91.87	110.37
2	7N	68	PRO	CA-C-O	10.40	139.52	120.60
1	1A	50	ARG	CA-C-O	-10.39	105.65	120.51
2	1F	68	PRO	CA-C-O	10.39	139.52	120.60
1	1I	50	ARG	CA-C-O	-10.39	105.65	120.51
1	1Q	50	ARG	CA-C-O	-10.39	105.65	120.51
1	1Q	52	PHE	N-CA-CB	-10.39	91.87	110.37
1	1U	50	ARG	CA-C-O	-10.39	105.65	120.51
1	1U	52	PHE	N-CA-CB	-10.39	91.87	110.37
1	1Y	50	ARG	CA-C-O	-10.39	105.65	120.51
1	1Y	52	PHE	N-CA-CB	-10.39	91.87	110.37
1	12	77	ALA	CA-C-N	10.39	140.28	122.82
1	12	77	ALA	C-N-CA	10.39	140.28	122.82
1	16	77	ALA	CA-C-N	10.39	140.28	122.82
1	16	77	ALA	C-N-CA	10.39	140.28	122.82
1	2A	77	ALA	CA-C-N	10.39	140.28	122.82
1	2A	77	ALA	C-N-CA	10.39	140.28	122.82
1	2E	50	ARG	CA-C-O	-10.39	105.65	120.51
2	2N	68	PRO	CA-C-O	10.39	139.52	120.60
1	2Q	50	ARG	CA-C-O	-10.39	105.65	120.51
1	2Q	52	PHE	N-CA-CB	-10.39	91.87	110.37
1	2U	50	ARG	CA-C-O	-10.39	105.65	120.51
1	2U	52	PHE	N-CA-CB	-10.39	91.87	110.37
1	2Y	50	ARG	CA-C-O	-10.39	105.65	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2Y	52	PHE	N-CA-CB	-10.39	91.87	110.37
2	23	68	PRO	CA-C-O	10.39	139.52	120.60
1	26	50	ARG	CA-C-O	-10.39	105.65	120.51
1	3E	50	ARG	CA-C-O	-10.39	105.65	120.51
2	3N	68	PRO	CA-C-O	10.39	139.52	120.60
1	3Q	77	ALA	CA-C-N	10.39	140.28	122.82
1	3Q	77	ALA	C-N-CA	10.39	140.28	122.82
1	3U	77	ALA	CA-C-N	10.39	140.28	122.82
1	3U	77	ALA	C-N-CA	10.39	140.28	122.82
1	3Y	77	ALA	CA-C-N	10.39	140.28	122.82
1	3Y	77	ALA	C-N-CA	10.39	140.28	122.82
2	37	68	PRO	CA-C-O	10.39	139.52	120.60
1	4A	50	ARG	CA-C-O	-10.39	105.65	120.51
2	4J	68	PRO	CA-C-O	10.39	139.52	120.60
1	4M	50	ARG	CA-C-O	-10.39	105.65	120.51
2	4R	68	PRO	CA-C-O	10.39	139.52	120.60
1	4U	50	ARG	CA-C-O	-10.39	105.65	120.51
1	42	50	ARG	CA-C-O	-10.39	105.65	120.51
1	42	52	PHE	N-CA-CB	-10.39	91.87	110.37
1	46	50	ARG	CA-C-O	-10.39	105.65	120.51
1	46	52	PHE	N-CA-CB	-10.39	91.87	110.37
1	5A	50	ARG	CA-C-O	-10.39	105.65	120.51
1	5A	52	PHE	N-CA-CB	-10.39	91.87	110.37
1	5E	77	ALA	CA-C-N	10.39	140.28	122.82
1	5E	77	ALA	C-N-CA	10.39	140.28	122.82
1	5I	77	ALA	CA-C-N	10.39	140.28	122.82
1	5I	77	ALA	C-N-CA	10.39	140.28	122.82
1	5M	77	ALA	CA-C-N	10.39	140.28	122.82
1	5M	77	ALA	C-N-CA	10.39	140.28	122.82
1	5Q	50	ARG	CA-C-O	-10.39	105.65	120.51
2	5Z	68	PRO	CA-C-O	10.39	139.52	120.60
1	52	50	ARG	CA-C-O	-10.39	105.65	120.51
1	52	52	PHE	N-CA-CB	-10.39	91.87	110.37
1	56	50	ARG	CA-C-O	-10.39	105.65	120.51
1	56	52	PHE	N-CA-CB	-10.39	91.87	110.37
1	6A	50	ARG	CA-C-O	-10.39	105.65	120.51
1	6A	52	PHE	N-CA-CB	-10.39	91.87	110.37
2	6F	68	PRO	CA-C-O	10.39	139.52	120.60
1	6I	50	ARG	CA-C-O	-10.39	105.65	120.51
1	6Q	50	ARG	CA-C-O	-10.39	105.65	120.51
2	6Z	68	PRO	CA-C-O	10.39	139.52	120.60
1	62	77	ALA	CA-C-N	10.39	140.28	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	62	77	ALA	C-N-CA	10.39	140.28	122.82
1	66	77	ALA	CA-C-N	10.39	140.28	122.82
1	66	77	ALA	C-N-CA	10.39	140.28	122.82
1	7A	77	ALA	CA-C-N	10.39	140.28	122.82
1	7A	77	ALA	C-N-CA	10.39	140.28	122.82
2	7J	68	PRO	CA-C-O	10.39	139.52	120.60
1	7M	50	ARG	CA-C-O	-10.39	105.65	120.51
2	7V	68	PRO	CA-C-O	10.39	139.52	120.60
2	1R	68	PRO	CA-C-O	10.39	139.51	120.60
2	1V	68	PRO	CA-C-O	10.39	139.51	120.60
2	1Z	68	PRO	CA-C-O	10.39	139.51	120.60
1	12	50	ARG	CA-C-O	-10.39	105.65	120.51
1	16	50	ARG	CA-C-O	-10.39	105.65	120.51
1	2A	50	ARG	CA-C-O	-10.39	105.65	120.51
2	2R	68	PRO	CA-C-O	10.39	139.51	120.60
2	2V	68	PRO	CA-C-O	10.39	139.51	120.60
2	2Z	68	PRO	CA-C-O	10.39	139.51	120.60
1	3Q	50	ARG	CA-C-O	-10.39	105.65	120.51
1	3U	50	ARG	CA-C-O	-10.39	105.65	120.51
1	3Y	50	ARG	CA-C-O	-10.39	105.65	120.51
2	43	68	PRO	CA-C-O	10.39	139.51	120.60
2	47	68	PRO	CA-C-O	10.39	139.51	120.60
2	5B	68	PRO	CA-C-O	10.39	139.51	120.60
1	5E	50	ARG	CA-C-O	-10.39	105.65	120.51
1	5I	50	ARG	CA-C-O	-10.39	105.65	120.51
1	5M	50	ARG	CA-C-O	-10.39	105.65	120.51
2	53	68	PRO	CA-C-O	10.39	139.51	120.60
2	57	68	PRO	CA-C-O	10.39	139.51	120.60
2	6B	68	PRO	CA-C-O	10.39	139.51	120.60
1	62	50	ARG	CA-C-O	-10.39	105.65	120.51
1	66	50	ARG	CA-C-O	-10.39	105.65	120.51
1	7A	50	ARG	CA-C-O	-10.39	105.65	120.51
2	1N	70	TRP	O-C-N	10.39	136.25	123.16
2	2J	70	TRP	O-C-N	10.39	136.25	123.16
2	3B	70	TRP	O-C-N	10.39	136.25	123.16
2	7F	70	TRP	O-C-N	10.39	136.25	123.16
2	7R	70	TRP	O-C-N	10.39	136.25	123.16
1	1A	77	ALA	CA-C-N	10.39	140.27	122.82
1	1A	77	ALA	C-N-CA	10.39	140.27	122.82
1	1A	89	PHE	O-C-N	-10.39	106.38	123.00
1	1I	77	ALA	CA-C-N	10.39	140.27	122.82
1	1I	77	ALA	C-N-CA	10.39	140.27	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1I	89	PHE	O-C-N	-10.39	106.38	123.00
2	33	70	TRP	O-C-N	10.39	136.25	123.16
2	4F	70	TRP	O-C-N	10.39	136.25	123.16
1	2E	77	ALA	CA-C-N	10.39	140.27	122.82
1	2E	77	ALA	C-N-CA	10.39	140.27	122.82
1	2E	89	PHE	O-C-N	-10.39	106.38	123.00
2	6V	70	TRP	O-C-N	10.39	136.25	123.16
1	26	77	ALA	CA-C-N	10.39	140.27	122.82
1	26	77	ALA	C-N-CA	10.39	140.27	122.82
1	26	89	PHE	O-C-N	-10.39	106.38	123.00
1	3E	77	ALA	CA-C-N	10.39	140.27	122.82
1	3E	77	ALA	C-N-CA	10.39	140.27	122.82
1	3E	89	PHE	O-C-N	-10.39	106.38	123.00
2	3J	70	TRP	O-C-N	10.39	136.25	123.16
1	4A	77	ALA	CA-C-N	10.39	140.27	122.82
1	4A	77	ALA	C-N-CA	10.39	140.27	122.82
1	4A	89	PHE	O-C-N	-10.39	106.38	123.00
2	4Z	70	TRP	O-C-N	10.39	136.25	123.16
2	5V	70	TRP	O-C-N	10.39	136.25	123.16
1	4M	77	ALA	CA-C-N	10.39	140.27	122.82
1	4M	77	ALA	C-N-CA	10.39	140.27	122.82
1	4M	89	PHE	O-C-N	-10.39	106.38	123.00
1	4U	77	ALA	CA-C-N	10.39	140.27	122.82
1	4U	77	ALA	C-N-CA	10.39	140.27	122.82
1	4U	89	PHE	O-C-N	-10.39	106.38	123.00
2	6N	70	TRP	O-C-N	10.39	136.25	123.16
1	5Q	77	ALA	CA-C-N	10.39	140.27	122.82
1	5Q	77	ALA	C-N-CA	10.39	140.27	122.82
1	5Q	89	PHE	O-C-N	-10.39	106.38	123.00
1	6I	77	ALA	CA-C-N	10.39	140.27	122.82
1	6I	77	ALA	C-N-CA	10.39	140.27	122.82
1	6I	89	PHE	O-C-N	-10.39	106.38	123.00
1	6Q	77	ALA	CA-C-N	10.39	140.27	122.82
1	6Q	77	ALA	C-N-CA	10.39	140.27	122.82
1	6Q	89	PHE	O-C-N	-10.39	106.38	123.00
1	7M	77	ALA	CA-C-N	10.39	140.27	122.82
1	7M	77	ALA	C-N-CA	10.39	140.27	122.82
1	7M	89	PHE	O-C-N	-10.39	106.38	123.00
2	1F	227	TYR	N-CA-CB	10.38	126.62	110.84
2	1N	68	PRO	CA-C-O	10.38	139.50	120.60
2	13	68	PRO	CA-C-O	10.38	139.50	120.60
2	17	68	PRO	CA-C-O	10.38	139.50	120.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	68	PRO	CA-C-O	10.38	139.50	120.60
2	2J	68	PRO	CA-C-O	10.38	139.50	120.60
2	2N	227	TYR	N-CA-CB	10.38	126.62	110.84
2	23	227	TYR	N-CA-CB	10.38	126.62	110.84
2	3B	68	PRO	CA-C-O	10.38	139.50	120.60
2	3J	68	PRO	CA-C-O	10.38	139.50	120.60
2	3N	227	TYR	N-CA-CB	10.38	126.62	110.84
2	3R	68	PRO	CA-C-O	10.38	139.50	120.60
2	3V	68	PRO	CA-C-O	10.38	139.50	120.60
2	3Z	68	PRO	CA-C-O	10.38	139.50	120.60
2	33	68	PRO	CA-C-O	10.38	139.50	120.60
2	37	227	TYR	N-CA-CB	10.38	126.62	110.84
2	4F	68	PRO	CA-C-O	10.38	139.50	120.60
2	4J	227	TYR	N-CA-CB	10.38	126.62	110.84
2	4R	227	TYR	N-CA-CB	10.38	126.62	110.84
2	4Z	68	PRO	CA-C-O	10.38	139.50	120.60
2	5F	68	PRO	CA-C-O	10.38	139.50	120.60
2	5J	68	PRO	CA-C-O	10.38	139.50	120.60
2	5N	68	PRO	CA-C-O	10.38	139.50	120.60
2	5V	68	PRO	CA-C-O	10.38	139.50	120.60
2	5Z	227	TYR	N-CA-CB	10.38	126.62	110.84
2	6F	227	TYR	N-CA-CB	10.38	126.62	110.84
2	6N	68	PRO	CA-C-O	10.38	139.50	120.60
2	6V	68	PRO	CA-C-O	10.38	139.50	120.60
2	6Z	227	TYR	N-CA-CB	10.38	126.62	110.84
2	63	68	PRO	CA-C-O	10.38	139.50	120.60
2	67	68	PRO	CA-C-O	10.38	139.50	120.60
2	7B	68	PRO	CA-C-O	10.38	139.50	120.60
2	7F	68	PRO	CA-C-O	10.38	139.50	120.60
2	7J	227	TYR	N-CA-CB	10.38	126.62	110.84
2	7R	68	PRO	CA-C-O	10.38	139.50	120.60
2	7V	227	TYR	N-CA-CB	10.38	126.62	110.84
1	1M	52	PHE	N-CA-CB	-10.38	91.89	110.37
1	2I	52	PHE	N-CA-CB	-10.38	91.89	110.37
1	3A	52	PHE	N-CA-CB	-10.38	91.89	110.37
1	3I	52	PHE	N-CA-CB	-10.38	91.89	110.37
1	32	52	PHE	N-CA-CB	-10.38	91.89	110.37
1	4E	52	PHE	N-CA-CB	-10.38	91.89	110.37
1	4Y	52	PHE	N-CA-CB	-10.38	91.89	110.37
1	5U	52	PHE	N-CA-CB	-10.38	91.89	110.37
1	6M	52	PHE	N-CA-CB	-10.38	91.89	110.37
1	6U	52	PHE	N-CA-CB	-10.38	91.89	110.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	52	PHE	N-CA-CB	-10.38	91.89	110.37
1	7Q	52	PHE	N-CA-CB	-10.38	91.89	110.37
2	1R	70	TRP	O-C-N	10.38	136.24	123.16
2	1V	70	TRP	O-C-N	10.38	136.24	123.16
2	1Z	70	TRP	O-C-N	10.38	136.24	123.16
2	2R	70	TRP	O-C-N	10.38	136.24	123.16
2	2V	70	TRP	O-C-N	10.38	136.24	123.16
2	2Z	70	TRP	O-C-N	10.38	136.24	123.16
2	43	70	TRP	O-C-N	10.38	136.24	123.16
2	47	70	TRP	O-C-N	10.38	136.24	123.16
2	5B	70	TRP	O-C-N	10.38	136.24	123.16
2	53	70	TRP	O-C-N	10.38	136.24	123.16
2	57	70	TRP	O-C-N	10.38	136.24	123.16
2	6B	70	TRP	O-C-N	10.38	136.24	123.16
2	1B	227	TYR	N-CA-CB	10.38	126.62	110.84
1	1E	52	PHE	N-CA-CB	-10.38	91.90	110.37
2	1J	227	TYR	N-CA-CB	10.38	126.62	110.84
2	2F	227	TYR	N-CA-CB	10.38	126.62	110.84
1	2M	52	PHE	N-CA-CB	-10.38	91.90	110.37
1	22	52	PHE	N-CA-CB	-10.38	91.90	110.37
2	27	227	TYR	N-CA-CB	10.38	126.62	110.84
2	3F	227	TYR	N-CA-CB	10.38	126.62	110.84
1	3M	52	PHE	N-CA-CB	-10.38	91.90	110.37
1	36	52	PHE	N-CA-CB	-10.38	91.90	110.37
2	4B	227	TYR	N-CA-CB	10.38	126.62	110.84
1	4I	52	PHE	N-CA-CB	-10.38	91.90	110.37
2	4N	227	TYR	N-CA-CB	10.38	126.62	110.84
1	4Q	52	PHE	N-CA-CB	-10.38	91.90	110.37
2	4V	227	TYR	N-CA-CB	10.38	126.62	110.84
2	5R	227	TYR	N-CA-CB	10.38	126.62	110.84
1	5Y	52	PHE	N-CA-CB	-10.38	91.90	110.37
1	6E	52	PHE	N-CA-CB	-10.38	91.90	110.37
2	6J	227	TYR	N-CA-CB	10.38	126.62	110.84
2	6R	227	TYR	N-CA-CB	10.38	126.62	110.84
1	6Y	52	PHE	N-CA-CB	-10.38	91.90	110.37
1	7I	52	PHE	N-CA-CB	-10.38	91.90	110.37
2	7N	227	TYR	N-CA-CB	10.38	126.62	110.84
1	7U	52	PHE	N-CA-CB	-10.38	91.90	110.37
1	1E	77	ALA	CA-C-N	10.37	140.25	122.82
1	1E	77	ALA	C-N-CA	10.37	140.25	122.82
1	2M	77	ALA	CA-C-N	10.37	140.25	122.82
1	2M	77	ALA	C-N-CA	10.37	140.25	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22	77	ALA	CA-C-N	10.37	140.25	122.82
1	22	77	ALA	C-N-CA	10.37	140.25	122.82
1	3M	77	ALA	CA-C-N	10.37	140.25	122.82
1	3M	77	ALA	C-N-CA	10.37	140.25	122.82
1	36	77	ALA	CA-C-N	10.37	140.25	122.82
1	36	77	ALA	C-N-CA	10.37	140.25	122.82
1	4I	77	ALA	CA-C-N	10.37	140.25	122.82
1	4I	77	ALA	C-N-CA	10.37	140.25	122.82
1	4Q	77	ALA	CA-C-N	10.37	140.25	122.82
1	4Q	77	ALA	C-N-CA	10.37	140.25	122.82
1	5Y	77	ALA	CA-C-N	10.37	140.25	122.82
1	5Y	77	ALA	C-N-CA	10.37	140.25	122.82
1	6E	77	ALA	CA-C-N	10.37	140.25	122.82
1	6E	77	ALA	C-N-CA	10.37	140.25	122.82
1	6Y	77	ALA	CA-C-N	10.37	140.25	122.82
1	6Y	77	ALA	C-N-CA	10.37	140.25	122.82
1	7I	77	ALA	CA-C-N	10.37	140.25	122.82
1	7I	77	ALA	C-N-CA	10.37	140.25	122.82
1	7U	77	ALA	CA-C-N	10.37	140.25	122.82
1	7U	77	ALA	C-N-CA	10.37	140.25	122.82
1	16	89	PHE	O-C-N	-10.37	106.41	123.00
1	1E	89	PHE	O-C-N	-10.37	106.41	123.00
1	1M	77	ALA	CA-C-N	10.37	140.24	122.82
1	1M	77	ALA	C-N-CA	10.37	140.24	122.82
1	12	89	PHE	O-C-N	-10.37	106.41	123.00
1	2A	89	PHE	O-C-N	-10.37	106.41	123.00
1	2I	77	ALA	CA-C-N	10.37	140.24	122.82
1	2I	77	ALA	C-N-CA	10.37	140.24	122.82
1	3I	77	ALA	CA-C-N	10.37	140.24	122.82
1	3Q	89	PHE	O-C-N	-10.37	106.41	123.00
1	3Y	89	PHE	O-C-N	-10.37	106.41	123.00
1	4E	77	ALA	CA-C-N	10.37	140.24	122.82
1	4E	77	ALA	C-N-CA	10.37	140.24	122.82
1	5I	89	PHE	O-C-N	-10.37	106.41	123.00
1	62	89	PHE	O-C-N	-10.37	106.41	123.00
2	1R	227	TYR	N-CA-CB	10.37	126.60	110.84
2	1V	227	TYR	N-CA-CB	10.37	126.60	110.84
2	1Z	227	TYR	N-CA-CB	10.37	126.60	110.84
1	2M	89	PHE	O-C-N	-10.37	106.41	123.00
2	2R	227	TYR	N-CA-CB	10.37	126.60	110.84
2	2V	227	TYR	N-CA-CB	10.37	126.60	110.84
2	2Z	227	TYR	N-CA-CB	10.37	126.60	110.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22	89	PHE	O-C-N	-10.37	106.41	123.00
1	3A	77	ALA	CA-C-N	10.37	140.24	122.82
1	3A	77	ALA	C-N-CA	10.37	140.24	122.82
1	3I	77	ALA	C-N-CA	10.37	140.24	122.82
1	3U	89	PHE	O-C-N	-10.37	106.41	123.00
1	3M	89	PHE	O-C-N	-10.37	106.41	123.00
1	32	77	ALA	CA-C-N	10.37	140.24	122.82
1	32	77	ALA	C-N-CA	10.37	140.24	122.82
1	7A	89	PHE	O-C-N	-10.37	106.41	123.00
1	36	89	PHE	O-C-N	-10.37	106.41	123.00
1	4I	89	PHE	O-C-N	-10.37	106.41	123.00
1	4Q	89	PHE	O-C-N	-10.37	106.41	123.00
1	4Y	77	ALA	CA-C-N	10.37	140.24	122.82
1	4Y	77	ALA	C-N-CA	10.37	140.24	122.82
1	5E	89	PHE	O-C-N	-10.37	106.41	123.00
1	5M	89	PHE	O-C-N	-10.37	106.41	123.00
1	5U	77	ALA	CA-C-N	10.37	140.24	122.82
1	5U	77	ALA	C-N-CA	10.37	140.24	122.82
1	6U	77	ALA	CA-C-N	10.37	140.24	122.82
1	7Q	77	ALA	CA-C-N	10.37	140.24	122.82
1	7Q	77	ALA	C-N-CA	10.37	140.24	122.82
2	43	227	TYR	N-CA-CB	10.37	126.60	110.84
2	47	227	TYR	N-CA-CB	10.37	126.60	110.84
2	5B	227	TYR	N-CA-CB	10.37	126.60	110.84
1	5Y	89	PHE	O-C-N	-10.37	106.41	123.00
2	53	227	TYR	N-CA-CB	10.37	126.60	110.84
2	57	227	TYR	N-CA-CB	10.37	126.60	110.84
2	6B	227	TYR	N-CA-CB	10.37	126.60	110.84
1	6E	89	PHE	O-C-N	-10.37	106.41	123.00
1	6M	77	ALA	CA-C-N	10.37	140.24	122.82
1	6M	77	ALA	C-N-CA	10.37	140.24	122.82
1	6U	77	ALA	C-N-CA	10.37	140.24	122.82
1	66	89	PHE	O-C-N	-10.37	106.41	123.00
1	6Y	89	PHE	O-C-N	-10.37	106.41	123.00
1	7E	77	ALA	CA-C-N	10.37	140.24	122.82
1	7E	77	ALA	C-N-CA	10.37	140.24	122.82
1	7I	89	PHE	O-C-N	-10.37	106.41	123.00
1	7U	89	PHE	O-C-N	-10.37	106.41	123.00
2	1N	76	ILE	CA-C-N	-10.37	104.76	121.86
2	1N	76	ILE	C-N-CA	-10.37	104.76	121.86
1	1Q	89	PHE	O-C-N	-10.37	106.41	123.00
1	1U	89	PHE	O-C-N	-10.37	106.41	123.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1Y	89	PHE	O-C-N	-10.37	106.41	123.00
2	2J	76	ILE	CA-C-N	-10.37	104.76	121.86
2	2J	76	ILE	C-N-CA	-10.37	104.76	121.86
1	2Q	89	PHE	O-C-N	-10.37	106.41	123.00
1	2U	89	PHE	O-C-N	-10.37	106.41	123.00
1	2Y	89	PHE	O-C-N	-10.37	106.41	123.00
2	3B	76	ILE	CA-C-N	-10.37	104.76	121.86
2	3B	76	ILE	C-N-CA	-10.37	104.76	121.86
2	3J	76	ILE	CA-C-N	-10.37	104.76	121.86
2	3J	76	ILE	C-N-CA	-10.37	104.76	121.86
2	33	76	ILE	CA-C-N	-10.37	104.76	121.86
2	33	76	ILE	C-N-CA	-10.37	104.76	121.86
2	4F	76	ILE	CA-C-N	-10.37	104.76	121.86
2	4F	76	ILE	C-N-CA	-10.37	104.76	121.86
2	4Z	76	ILE	CA-C-N	-10.37	104.76	121.86
2	4Z	76	ILE	C-N-CA	-10.37	104.76	121.86
1	42	89	PHE	O-C-N	-10.37	106.41	123.00
1	46	89	PHE	O-C-N	-10.37	106.41	123.00
1	5A	89	PHE	O-C-N	-10.37	106.41	123.00
2	5V	76	ILE	CA-C-N	-10.37	104.76	121.86
2	5V	76	ILE	C-N-CA	-10.37	104.76	121.86
1	52	89	PHE	O-C-N	-10.37	106.41	123.00
1	56	89	PHE	O-C-N	-10.37	106.41	123.00
1	6A	89	PHE	O-C-N	-10.37	106.41	123.00
2	6N	76	ILE	CA-C-N	-10.37	104.76	121.86
2	6N	76	ILE	C-N-CA	-10.37	104.76	121.86
2	6V	76	ILE	CA-C-N	-10.37	104.76	121.86
2	6V	76	ILE	C-N-CA	-10.37	104.76	121.86
2	7F	76	ILE	CA-C-N	-10.37	104.76	121.86
2	7F	76	ILE	C-N-CA	-10.37	104.76	121.86
2	7R	76	ILE	CA-C-N	-10.37	104.76	121.86
2	7R	76	ILE	C-N-CA	-10.37	104.76	121.86
1	1M	89	PHE	O-C-N	-10.36	106.42	123.00
2	1R	76	ILE	CA-C-N	-10.36	104.77	121.86
2	1R	76	ILE	C-N-CA	-10.36	104.77	121.86
2	1V	76	ILE	CA-C-N	-10.36	104.77	121.86
2	1V	76	ILE	C-N-CA	-10.36	104.77	121.86
2	1Z	76	ILE	CA-C-N	-10.36	104.77	121.86
2	1Z	76	ILE	C-N-CA	-10.36	104.77	121.86
1	2I	89	PHE	O-C-N	-10.36	106.42	123.00
2	2R	76	ILE	CA-C-N	-10.36	104.77	121.86
2	2R	76	ILE	C-N-CA	-10.36	104.77	121.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	76	ILE	CA-C-N	-10.36	104.77	121.86
2	2V	76	ILE	C-N-CA	-10.36	104.77	121.86
2	2Z	76	ILE	CA-C-N	-10.36	104.77	121.86
2	2Z	76	ILE	C-N-CA	-10.36	104.77	121.86
1	3A	89	PHE	O-C-N	-10.36	106.42	123.00
1	3I	89	PHE	O-C-N	-10.36	106.42	123.00
1	32	89	PHE	O-C-N	-10.36	106.42	123.00
1	4E	89	PHE	O-C-N	-10.36	106.42	123.00
1	4Y	89	PHE	O-C-N	-10.36	106.42	123.00
2	43	76	ILE	CA-C-N	-10.36	104.77	121.86
2	43	76	ILE	C-N-CA	-10.36	104.77	121.86
2	47	76	ILE	CA-C-N	-10.36	104.77	121.86
2	47	76	ILE	C-N-CA	-10.36	104.77	121.86
2	5B	76	ILE	CA-C-N	-10.36	104.77	121.86
2	5B	76	ILE	C-N-CA	-10.36	104.77	121.86
1	5U	89	PHE	O-C-N	-10.36	106.42	123.00
2	53	76	ILE	CA-C-N	-10.36	104.77	121.86
2	53	76	ILE	C-N-CA	-10.36	104.77	121.86
2	57	76	ILE	CA-C-N	-10.36	104.77	121.86
2	57	76	ILE	C-N-CA	-10.36	104.77	121.86
2	6B	76	ILE	CA-C-N	-10.36	104.77	121.86
2	6B	76	ILE	C-N-CA	-10.36	104.77	121.86
1	6M	89	PHE	O-C-N	-10.36	106.42	123.00
1	6U	89	PHE	O-C-N	-10.36	106.42	123.00
1	7E	89	PHE	O-C-N	-10.36	106.42	123.00
1	7Q	89	PHE	O-C-N	-10.36	106.42	123.00
1	1A	11	VAL	O-C-N	-10.36	111.89	122.97
1	1E	89	PHE	CG-CD1-CE1	-10.36	103.09	120.70
2	1F	76	ILE	CA-C-N	-10.36	104.77	121.86
2	1F	76	ILE	C-N-CA	-10.36	104.77	121.86
1	1I	11	VAL	O-C-N	-10.36	111.89	122.97
1	2E	11	VAL	O-C-N	-10.36	111.89	122.97
1	2M	89	PHE	CG-CD1-CE1	-10.36	103.09	120.70
2	2N	76	ILE	CA-C-N	-10.36	104.77	121.86
2	2N	76	ILE	C-N-CA	-10.36	104.77	121.86
1	22	89	PHE	CG-CD1-CE1	-10.36	103.09	120.70
2	23	76	ILE	CA-C-N	-10.36	104.77	121.86
2	23	76	ILE	C-N-CA	-10.36	104.77	121.86
1	26	11	VAL	O-C-N	-10.36	111.89	122.97
1	3E	11	VAL	O-C-N	-10.36	111.89	122.97
1	3M	89	PHE	CG-CD1-CE1	-10.36	103.09	120.70
2	3N	76	ILE	CA-C-N	-10.36	104.77	121.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3N	76	ILE	C-N-CA	-10.36	104.77	121.86
1	36	89	PHE	CG-CD1-CE1	-10.36	103.09	120.70
2	37	76	ILE	CA-C-N	-10.36	104.77	121.86
2	37	76	ILE	C-N-CA	-10.36	104.77	121.86
1	4A	11	VAL	O-C-N	-10.36	111.89	122.97
1	4I	89	PHE	CG-CD1-CE1	-10.36	103.09	120.70
2	4J	76	ILE	CA-C-N	-10.36	104.77	121.86
2	4J	76	ILE	C-N-CA	-10.36	104.77	121.86
1	4M	11	VAL	O-C-N	-10.36	111.89	122.97
1	4Q	89	PHE	CG-CD1-CE1	-10.36	103.09	120.70
2	4R	76	ILE	CA-C-N	-10.36	104.77	121.86
2	4R	76	ILE	C-N-CA	-10.36	104.77	121.86
1	4U	11	VAL	O-C-N	-10.36	111.89	122.97
1	5Q	11	VAL	O-C-N	-10.36	111.89	122.97
1	5Y	89	PHE	CG-CD1-CE1	-10.36	103.09	120.70
2	5Z	76	ILE	CA-C-N	-10.36	104.77	121.86
2	5Z	76	ILE	C-N-CA	-10.36	104.77	121.86
1	6E	89	PHE	CG-CD1-CE1	-10.36	103.09	120.70
2	6F	76	ILE	CA-C-N	-10.36	104.77	121.86
2	6F	76	ILE	C-N-CA	-10.36	104.77	121.86
1	6I	11	VAL	O-C-N	-10.36	111.89	122.97
1	6Q	11	VAL	O-C-N	-10.36	111.89	122.97
1	6Y	89	PHE	CG-CD1-CE1	-10.36	103.09	120.70
2	6Z	76	ILE	CA-C-N	-10.36	104.77	121.86
2	6Z	76	ILE	C-N-CA	-10.36	104.77	121.86
1	7I	89	PHE	CG-CD1-CE1	-10.36	103.09	120.70
2	7J	76	ILE	CA-C-N	-10.36	104.77	121.86
2	7J	76	ILE	C-N-CA	-10.36	104.77	121.86
1	7M	11	VAL	O-C-N	-10.36	111.89	122.97
1	7U	89	PHE	CG-CD1-CE1	-10.36	103.09	120.70
2	7V	76	ILE	CA-C-N	-10.36	104.77	121.86
2	7V	76	ILE	C-N-CA	-10.36	104.77	121.86
2	1B	76	ILE	CA-C-N	-10.35	104.78	121.86
2	1B	76	ILE	C-N-CA	-10.35	104.78	121.86
1	1E	88	GLY	N-CA-C	10.35	125.17	112.64
2	1J	76	ILE	CA-C-N	-10.35	104.78	121.86
2	1J	76	ILE	C-N-CA	-10.35	104.78	121.86
2	2F	76	ILE	CA-C-N	-10.35	104.78	121.86
2	2F	76	ILE	C-N-CA	-10.35	104.78	121.86
1	2M	88	GLY	N-CA-C	10.35	125.17	112.64
1	22	88	GLY	N-CA-C	10.35	125.17	112.64
2	27	76	ILE	CA-C-N	-10.35	104.78	121.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	27	76	ILE	C-N-CA	-10.35	104.78	121.86
2	3F	76	ILE	CA-C-N	-10.35	104.78	121.86
2	3F	76	ILE	C-N-CA	-10.35	104.78	121.86
1	3M	88	GLY	N-CA-C	10.35	125.17	112.64
1	36	88	GLY	N-CA-C	10.35	125.17	112.64
2	4B	76	ILE	CA-C-N	-10.35	104.78	121.86
2	4B	76	ILE	C-N-CA	-10.35	104.78	121.86
1	4I	88	GLY	N-CA-C	10.35	125.17	112.64
2	4N	76	ILE	CA-C-N	-10.35	104.78	121.86
2	4N	76	ILE	C-N-CA	-10.35	104.78	121.86
1	4Q	88	GLY	N-CA-C	10.35	125.17	112.64
2	4V	76	ILE	CA-C-N	-10.35	104.78	121.86
2	4V	76	ILE	C-N-CA	-10.35	104.78	121.86
2	5R	76	ILE	CA-C-N	-10.35	104.78	121.86
2	5R	76	ILE	C-N-CA	-10.35	104.78	121.86
1	5Y	88	GLY	N-CA-C	10.35	125.17	112.64
1	6E	88	GLY	N-CA-C	10.35	125.17	112.64
2	6J	76	ILE	CA-C-N	-10.35	104.78	121.86
2	6J	76	ILE	C-N-CA	-10.35	104.78	121.86
2	6R	76	ILE	CA-C-N	-10.35	104.78	121.86
2	6R	76	ILE	C-N-CA	-10.35	104.78	121.86
1	6Y	88	GLY	N-CA-C	10.35	125.17	112.64
1	7I	88	GLY	N-CA-C	10.35	125.17	112.64
2	7N	76	ILE	CA-C-N	-10.35	104.78	121.86
2	7N	76	ILE	C-N-CA	-10.35	104.78	121.86
1	7U	88	GLY	N-CA-C	10.35	125.17	112.64
1	1A	89	PHE	CG-CD1-CE1	-10.35	103.10	120.70
1	1I	89	PHE	CG-CD1-CE1	-10.35	103.10	120.70
1	2E	89	PHE	CG-CD1-CE1	-10.35	103.10	120.70
1	26	89	PHE	CG-CD1-CE1	-10.35	103.10	120.70
1	3E	89	PHE	CG-CD1-CE1	-10.35	103.10	120.70
1	4A	89	PHE	CG-CD1-CE1	-10.35	103.10	120.70
1	4M	89	PHE	CG-CD1-CE1	-10.35	103.10	120.70
1	4U	89	PHE	CG-CD1-CE1	-10.35	103.10	120.70
1	5Q	89	PHE	CG-CD1-CE1	-10.35	103.10	120.70
1	6I	89	PHE	CG-CD1-CE1	-10.35	103.10	120.70
1	6Q	89	PHE	CG-CD1-CE1	-10.35	103.10	120.70
1	7M	89	PHE	CG-CD1-CE1	-10.35	103.10	120.70
1	1M	89	PHE	CG-CD1-CE1	-10.35	103.11	120.70
1	2I	89	PHE	CG-CD1-CE1	-10.35	103.11	120.70
1	3A	89	PHE	CG-CD1-CE1	-10.35	103.11	120.70
1	3I	89	PHE	CG-CD1-CE1	-10.35	103.11	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	89	PHE	CG-CD1-CE1	-10.35	103.11	120.70
1	4E	89	PHE	CG-CD1-CE1	-10.35	103.11	120.70
1	4Y	89	PHE	CG-CD1-CE1	-10.35	103.11	120.70
1	5U	89	PHE	CG-CD1-CE1	-10.35	103.11	120.70
1	6M	89	PHE	CG-CD1-CE1	-10.35	103.11	120.70
1	6U	89	PHE	CG-CD1-CE1	-10.35	103.11	120.70
1	7E	89	PHE	CG-CD1-CE1	-10.35	103.11	120.70
1	7Q	89	PHE	CG-CD1-CE1	-10.35	103.11	120.70
1	1M	88	GLY	N-CA-C	10.35	125.16	112.64
1	1Q	11	VAL	O-C-N	-10.35	111.90	122.97
1	1U	11	VAL	O-C-N	-10.35	111.90	122.97
1	1Y	11	VAL	O-C-N	-10.35	111.90	122.97
1	12	88	GLY	N-CA-C	10.35	125.16	112.64
2	13	76	ILE	CA-C-N	-10.35	104.79	121.86
2	13	76	ILE	C-N-CA	-10.35	104.79	121.86
1	16	88	GLY	N-CA-C	10.35	125.16	112.64
2	17	76	ILE	CA-C-N	-10.35	104.79	121.86
2	17	76	ILE	C-N-CA	-10.35	104.79	121.86
1	2A	88	GLY	N-CA-C	10.35	125.16	112.64
2	2B	76	ILE	CA-C-N	-10.35	104.79	121.86
2	2B	76	ILE	C-N-CA	-10.35	104.79	121.86
1	2I	88	GLY	N-CA-C	10.35	125.16	112.64
1	2Q	11	VAL	O-C-N	-10.35	111.90	122.97
1	2U	11	VAL	O-C-N	-10.35	111.90	122.97
1	2Y	11	VAL	O-C-N	-10.35	111.90	122.97
1	3A	88	GLY	N-CA-C	10.35	125.16	112.64
1	3I	88	GLY	N-CA-C	10.35	125.16	112.64
1	3Q	88	GLY	N-CA-C	10.35	125.16	112.64
2	3R	76	ILE	CA-C-N	-10.35	104.79	121.86
2	3R	76	ILE	C-N-CA	-10.35	104.79	121.86
1	3U	88	GLY	N-CA-C	10.35	125.16	112.64
2	3V	76	ILE	CA-C-N	-10.35	104.79	121.86
2	3V	76	ILE	C-N-CA	-10.35	104.79	121.86
1	3Y	88	GLY	N-CA-C	10.35	125.16	112.64
2	3Z	76	ILE	CA-C-N	-10.35	104.79	121.86
2	3Z	76	ILE	C-N-CA	-10.35	104.79	121.86
1	32	88	GLY	N-CA-C	10.35	125.16	112.64
1	4E	88	GLY	N-CA-C	10.35	125.16	112.64
1	4Y	88	GLY	N-CA-C	10.35	125.16	112.64
1	42	11	VAL	O-C-N	-10.35	111.90	122.97
1	46	11	VAL	O-C-N	-10.35	111.90	122.97
1	5A	11	VAL	O-C-N	-10.35	111.90	122.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5E	88	GLY	N-CA-C	10.35	125.16	112.64
2	5F	76	ILE	CA-C-N	-10.35	104.79	121.86
2	5F	76	ILE	C-N-CA	-10.35	104.79	121.86
1	5I	88	GLY	N-CA-C	10.35	125.16	112.64
2	5J	76	ILE	CA-C-N	-10.35	104.79	121.86
2	5J	76	ILE	C-N-CA	-10.35	104.79	121.86
1	5M	88	GLY	N-CA-C	10.35	125.16	112.64
2	5N	76	ILE	CA-C-N	-10.35	104.79	121.86
2	5N	76	ILE	C-N-CA	-10.35	104.79	121.86
1	5U	88	GLY	N-CA-C	10.35	125.16	112.64
1	52	11	VAL	O-C-N	-10.35	111.90	122.97
1	56	11	VAL	O-C-N	-10.35	111.90	122.97
1	6A	11	VAL	O-C-N	-10.35	111.90	122.97
1	6M	88	GLY	N-CA-C	10.35	125.16	112.64
1	6U	88	GLY	N-CA-C	10.35	125.16	112.64
1	62	88	GLY	N-CA-C	10.35	125.16	112.64
2	63	76	ILE	CA-C-N	-10.35	104.79	121.86
2	63	76	ILE	C-N-CA	-10.35	104.79	121.86
1	66	88	GLY	N-CA-C	10.35	125.16	112.64
2	67	76	ILE	CA-C-N	-10.35	104.79	121.86
2	67	76	ILE	C-N-CA	-10.35	104.79	121.86
1	7A	88	GLY	N-CA-C	10.35	125.16	112.64
2	7B	76	ILE	CA-C-N	-10.35	104.79	121.86
2	7B	76	ILE	C-N-CA	-10.35	104.79	121.86
1	7E	88	GLY	N-CA-C	10.35	125.16	112.64
1	7Q	88	GLY	N-CA-C	10.35	125.16	112.64
1	1E	11	VAL	O-C-N	-10.34	111.91	122.97
1	1E	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	1Q	89	PHE	CG-CD1-CE1	-10.34	103.13	120.70
1	1U	89	PHE	CG-CD1-CE1	-10.34	103.13	120.70
1	1Y	89	PHE	CG-CD1-CE1	-10.34	103.13	120.70
1	2M	11	VAL	O-C-N	-10.34	111.91	122.97
1	2Q	89	PHE	CG-CD1-CE1	-10.34	103.13	120.70
1	2U	89	PHE	CG-CD1-CE1	-10.34	103.13	120.70
1	2Y	89	PHE	CG-CD1-CE1	-10.34	103.13	120.70
1	22	11	VAL	O-C-N	-10.34	111.91	122.97
1	3M	11	VAL	O-C-N	-10.34	111.91	122.97
1	36	11	VAL	O-C-N	-10.34	111.91	122.97
1	4I	11	VAL	O-C-N	-10.34	111.91	122.97
1	4Q	11	VAL	O-C-N	-10.34	111.91	122.97
1	5A	89	PHE	CG-CD1-CE1	-10.34	103.13	120.70
1	5Y	11	VAL	O-C-N	-10.34	111.91	122.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	52	89	PHE	CG-CD1-CE1	-10.34	103.13	120.70
1	7I	11	VAL	O-C-N	-10.34	111.91	122.97
1	7U	11	VAL	O-C-N	-10.34	111.91	122.97
1	12	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	16	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	2A	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	2M	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	22	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	3M	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	42	89	PHE	CG-CD1-CE1	-10.34	103.13	120.70
1	46	89	PHE	CG-CD1-CE1	-10.34	103.13	120.70
1	3Q	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	3U	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	3Y	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	36	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	4I	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	4Q	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	56	89	PHE	CG-CD1-CE1	-10.34	103.13	120.70
1	6A	89	PHE	CG-CD1-CE1	-10.34	103.13	120.70
1	6E	11	VAL	O-C-N	-10.34	111.91	122.97
1	6Y	11	VAL	O-C-N	-10.34	111.91	122.97
1	5E	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	5I	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	5M	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	5Y	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	6E	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	6Y	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	62	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	66	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	7A	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	7I	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	7U	13	ALA	N-CA-CB	-10.34	93.02	110.49
1	12	89	PHE	CG-CD1-CE1	-10.33	103.13	120.70
1	16	89	PHE	CG-CD1-CE1	-10.33	103.13	120.70
1	2A	89	PHE	CG-CD1-CE1	-10.33	103.13	120.70
1	3Q	89	PHE	CG-CD1-CE1	-10.33	103.13	120.70
1	3U	89	PHE	CG-CD1-CE1	-10.33	103.13	120.70
1	3Y	89	PHE	CG-CD1-CE1	-10.33	103.13	120.70
1	5E	89	PHE	CG-CD1-CE1	-10.33	103.13	120.70
1	5I	89	PHE	CG-CD1-CE1	-10.33	103.13	120.70
1	5M	89	PHE	CG-CD1-CE1	-10.33	103.13	120.70
1	62	89	PHE	CG-CD1-CE1	-10.33	103.13	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	89	PHE	CG-CD1-CE1	-10.33	103.13	120.70
1	7A	89	PHE	CG-CD1-CE1	-10.33	103.13	120.70
1	1M	11	VAL	O-C-N	-10.33	111.92	122.97
1	1Q	88	GLY	N-CA-C	10.33	125.14	112.64
1	1U	88	GLY	N-CA-C	10.33	125.14	112.64
1	1Y	88	GLY	N-CA-C	10.33	125.14	112.64
1	2I	11	VAL	O-C-N	-10.33	111.92	122.97
1	2Q	88	GLY	N-CA-C	10.33	125.14	112.64
1	2U	88	GLY	N-CA-C	10.33	125.14	112.64
1	2Y	88	GLY	N-CA-C	10.33	125.14	112.64
1	3A	11	VAL	O-C-N	-10.33	111.92	122.97
1	3I	11	VAL	O-C-N	-10.33	111.92	122.97
1	32	11	VAL	O-C-N	-10.33	111.92	122.97
1	4E	11	VAL	O-C-N	-10.33	111.92	122.97
1	4Y	11	VAL	O-C-N	-10.33	111.92	122.97
1	42	88	GLY	N-CA-C	10.33	125.14	112.64
1	46	88	GLY	N-CA-C	10.33	125.14	112.64
1	5A	88	GLY	N-CA-C	10.33	125.14	112.64
1	5U	11	VAL	O-C-N	-10.33	111.92	122.97
1	52	88	GLY	N-CA-C	10.33	125.14	112.64
1	56	88	GLY	N-CA-C	10.33	125.14	112.64
1	6A	88	GLY	N-CA-C	10.33	125.14	112.64
1	6M	11	VAL	O-C-N	-10.33	111.92	122.97
1	6U	11	VAL	O-C-N	-10.33	111.92	122.97
1	7E	11	VAL	O-C-N	-10.33	111.92	122.97
1	7Q	11	VAL	O-C-N	-10.33	111.92	122.97
1	1A	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	1I	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	1M	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	2E	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	2I	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	26	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	3A	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	3E	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	3I	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	32	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	4A	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	4E	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	4M	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	4U	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	4Y	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	5Q	13	ALA	N-CA-CB	-10.33	93.04	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5U	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	6I	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	6M	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	6Q	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	6U	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	7E	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	7M	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	7Q	13	ALA	N-CA-CB	-10.33	93.04	110.49
1	1A	88	GLY	N-CA-C	10.32	125.12	112.64
1	1I	88	GLY	N-CA-C	10.32	125.12	112.64
1	2E	88	GLY	N-CA-C	10.32	125.12	112.64
1	26	88	GLY	N-CA-C	10.32	125.12	112.64
1	3E	88	GLY	N-CA-C	10.32	125.12	112.64
1	4A	88	GLY	N-CA-C	10.32	125.12	112.64
1	4M	88	GLY	N-CA-C	10.32	125.12	112.64
1	4U	88	GLY	N-CA-C	10.32	125.12	112.64
1	5Q	88	GLY	N-CA-C	10.32	125.12	112.64
1	6I	88	GLY	N-CA-C	10.32	125.12	112.64
1	6Q	88	GLY	N-CA-C	10.32	125.12	112.64
1	7M	88	GLY	N-CA-C	10.32	125.12	112.64
1	1E	167	GLY	O-C-N	-10.31	109.29	122.70
1	1Q	13	ALA	N-CA-CB	-10.31	93.06	110.49
1	1U	13	ALA	N-CA-CB	-10.31	93.06	110.49
1	1Y	13	ALA	N-CA-CB	-10.31	93.06	110.49
1	2M	167	GLY	O-C-N	-10.31	109.29	122.70
1	2Q	13	ALA	N-CA-CB	-10.31	93.06	110.49
1	2U	13	ALA	N-CA-CB	-10.31	93.06	110.49
1	2Y	13	ALA	N-CA-CB	-10.31	93.06	110.49
1	22	167	GLY	O-C-N	-10.31	109.29	122.70
1	3M	167	GLY	O-C-N	-10.31	109.29	122.70
1	36	167	GLY	O-C-N	-10.31	109.29	122.70
1	4I	167	GLY	O-C-N	-10.31	109.29	122.70
1	4Q	167	GLY	O-C-N	-10.31	109.29	122.70
1	42	13	ALA	N-CA-CB	-10.31	93.06	110.49
1	46	13	ALA	N-CA-CB	-10.31	93.06	110.49
1	5A	13	ALA	N-CA-CB	-10.31	93.06	110.49
1	5Y	167	GLY	O-C-N	-10.31	109.29	122.70
1	52	13	ALA	N-CA-CB	-10.31	93.06	110.49
1	56	13	ALA	N-CA-CB	-10.31	93.06	110.49
1	6A	13	ALA	N-CA-CB	-10.31	93.06	110.49
1	6E	167	GLY	O-C-N	-10.31	109.29	122.70
1	6Y	167	GLY	O-C-N	-10.31	109.29	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	167	GLY	O-C-N	-10.31	109.29	122.70
1	7U	167	GLY	O-C-N	-10.31	109.29	122.70
1	1A	167	GLY	O-C-N	-10.30	109.31	122.70
1	1I	167	GLY	O-C-N	-10.30	109.31	122.70
1	2E	167	GLY	O-C-N	-10.30	109.31	122.70
1	26	167	GLY	O-C-N	-10.30	109.31	122.70
1	3E	167	GLY	O-C-N	-10.30	109.31	122.70
1	4A	167	GLY	O-C-N	-10.30	109.31	122.70
1	4M	167	GLY	O-C-N	-10.30	109.31	122.70
1	4U	167	GLY	O-C-N	-10.30	109.31	122.70
1	5Q	167	GLY	O-C-N	-10.30	109.31	122.70
1	6I	167	GLY	O-C-N	-10.30	109.31	122.70
1	6Q	167	GLY	O-C-N	-10.30	109.31	122.70
1	7M	167	GLY	O-C-N	-10.30	109.31	122.70
1	12	167	GLY	O-C-N	-10.29	109.32	122.70
1	16	167	GLY	O-C-N	-10.29	109.32	122.70
1	2A	167	GLY	O-C-N	-10.29	109.32	122.70
1	3Q	167	GLY	O-C-N	-10.29	109.32	122.70
1	3U	167	GLY	O-C-N	-10.29	109.32	122.70
1	3Y	167	GLY	O-C-N	-10.29	109.32	122.70
1	5E	167	GLY	O-C-N	-10.29	109.32	122.70
1	5I	167	GLY	O-C-N	-10.29	109.32	122.70
1	5M	167	GLY	O-C-N	-10.29	109.32	122.70
1	62	167	GLY	O-C-N	-10.29	109.32	122.70
1	66	167	GLY	O-C-N	-10.29	109.32	122.70
1	7A	167	GLY	O-C-N	-10.29	109.32	122.70
1	12	11	VAL	O-C-N	-10.29	111.96	122.97
1	16	11	VAL	O-C-N	-10.29	111.96	122.97
1	2A	11	VAL	O-C-N	-10.29	111.96	122.97
1	3Q	11	VAL	O-C-N	-10.29	111.96	122.97
1	3U	11	VAL	O-C-N	-10.29	111.96	122.97
1	3Y	11	VAL	O-C-N	-10.29	111.96	122.97
1	5E	11	VAL	O-C-N	-10.29	111.96	122.97
1	5I	11	VAL	O-C-N	-10.29	111.96	122.97
1	5M	11	VAL	O-C-N	-10.29	111.96	122.97
1	62	11	VAL	O-C-N	-10.29	111.96	122.97
1	66	11	VAL	O-C-N	-10.29	111.96	122.97
1	7A	11	VAL	O-C-N	-10.29	111.96	122.97
1	1Q	167	GLY	O-C-N	-10.29	109.32	122.70
1	1U	167	GLY	O-C-N	-10.29	109.32	122.70
1	1Y	167	GLY	O-C-N	-10.29	109.32	122.70
1	2Q	167	GLY	O-C-N	-10.29	109.32	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	167	GLY	O-C-N	-10.29	109.32	122.70
1	2Y	167	GLY	O-C-N	-10.29	109.32	122.70
1	42	167	GLY	O-C-N	-10.29	109.32	122.70
1	46	167	GLY	O-C-N	-10.29	109.32	122.70
1	5A	167	GLY	O-C-N	-10.29	109.32	122.70
1	52	167	GLY	O-C-N	-10.29	109.32	122.70
1	56	167	GLY	O-C-N	-10.29	109.32	122.70
1	6A	167	GLY	O-C-N	-10.29	109.32	122.70
1	1M	167	GLY	O-C-N	-10.26	109.36	122.70
1	2I	167	GLY	O-C-N	-10.26	109.36	122.70
1	3A	167	GLY	O-C-N	-10.26	109.36	122.70
1	3I	167	GLY	O-C-N	-10.26	109.36	122.70
1	32	167	GLY	O-C-N	-10.26	109.36	122.70
1	4E	167	GLY	O-C-N	-10.26	109.36	122.70
1	4Y	167	GLY	O-C-N	-10.26	109.36	122.70
1	5U	167	GLY	O-C-N	-10.26	109.36	122.70
1	6M	167	GLY	O-C-N	-10.26	109.36	122.70
1	6U	167	GLY	O-C-N	-10.26	109.36	122.70
1	7E	167	GLY	O-C-N	-10.26	109.36	122.70
1	7Q	167	GLY	O-C-N	-10.26	109.36	122.70
2	1B	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	1F	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	1J	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	13	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	17	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	2B	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	2F	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	2N	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	23	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	27	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	3F	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	3N	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	3R	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	3V	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	3Z	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	37	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	4B	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	4J	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	4N	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	4R	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	4V	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	5F	37	ASN	CB-CA-C	-10.22	90.07	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5J	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	5N	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	5R	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	5Z	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	6F	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	6J	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	6R	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	6Z	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	63	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	67	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	7B	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	7J	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	7N	37	ASN	CB-CA-C	-10.22	90.07	110.42
2	7V	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	1N	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	1R	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	1V	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	1Z	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	2J	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	2R	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	2V	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	2Z	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	3B	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	3J	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	33	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	4F	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	4Z	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	43	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	47	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	5B	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	5V	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	53	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	57	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	6B	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	6N	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	6V	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	7F	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	7R	37	ASN	CB-CA-C	-10.22	90.08	110.42
2	1B	226	ILE	O-C-N	10.22	135.34	122.57
2	1J	226	ILE	O-C-N	10.22	135.34	122.57
2	1R	42	HIS	CA-C-O	-10.22	110.16	120.89
2	1V	42	HIS	CA-C-O	-10.22	110.16	120.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1Z	42	HIS	CA-C-O	-10.22	110.16	120.89
2	2F	226	ILE	O-C-N	10.22	135.34	122.57
2	2R	42	HIS	CA-C-O	-10.22	110.16	120.89
2	2V	42	HIS	CA-C-O	-10.22	110.16	120.89
2	2Z	42	HIS	CA-C-O	-10.22	110.16	120.89
2	27	226	ILE	O-C-N	10.22	135.34	122.57
2	3F	226	ILE	O-C-N	10.22	135.34	122.57
2	4B	226	ILE	O-C-N	10.22	135.34	122.57
2	4N	226	ILE	O-C-N	10.22	135.34	122.57
2	4V	226	ILE	O-C-N	10.22	135.34	122.57
2	43	42	HIS	CA-C-O	-10.22	110.16	120.89
2	47	42	HIS	CA-C-O	-10.22	110.16	120.89
2	5B	42	HIS	CA-C-O	-10.22	110.16	120.89
2	5R	226	ILE	O-C-N	10.22	135.34	122.57
2	53	42	HIS	CA-C-O	-10.22	110.16	120.89
2	57	42	HIS	CA-C-O	-10.22	110.16	120.89
2	6B	42	HIS	CA-C-O	-10.22	110.16	120.89
2	6J	226	ILE	O-C-N	10.22	135.34	122.57
2	6R	226	ILE	O-C-N	10.22	135.34	122.57
2	7N	226	ILE	O-C-N	10.22	135.34	122.57
2	1R	23	HIS	CA-C-N	10.21	132.60	119.84
2	1R	23	HIS	C-N-CA	10.21	132.60	119.84
2	1V	23	HIS	CA-C-N	10.21	132.60	119.84
2	1V	23	HIS	C-N-CA	10.21	132.60	119.84
2	1Z	23	HIS	CA-C-N	10.21	132.60	119.84
2	1Z	23	HIS	C-N-CA	10.21	132.60	119.84
2	2R	23	HIS	CA-C-N	10.21	132.60	119.84
2	2R	23	HIS	C-N-CA	10.21	132.60	119.84
2	2V	23	HIS	CA-C-N	10.21	132.60	119.84
2	2V	23	HIS	C-N-CA	10.21	132.60	119.84
2	2Z	23	HIS	CA-C-N	10.21	132.60	119.84
2	2Z	23	HIS	C-N-CA	10.21	132.60	119.84
2	43	23	HIS	CA-C-N	10.21	132.60	119.84
2	43	23	HIS	C-N-CA	10.21	132.60	119.84
2	47	23	HIS	CA-C-N	10.21	132.60	119.84
2	47	23	HIS	C-N-CA	10.21	132.60	119.84
2	5B	23	HIS	CA-C-N	10.21	132.60	119.84
2	5B	23	HIS	C-N-CA	10.21	132.60	119.84
2	53	23	HIS	CA-C-N	10.21	132.60	119.84
2	53	23	HIS	C-N-CA	10.21	132.60	119.84
2	57	23	HIS	CA-C-N	10.21	132.60	119.84
2	57	23	HIS	C-N-CA	10.21	132.60	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6B	23	HIS	CA-C-N	10.21	132.60	119.84
2	6B	23	HIS	C-N-CA	10.21	132.60	119.84
2	1B	23	HIS	CA-C-N	10.20	132.59	119.84
2	1B	23	HIS	C-N-CA	10.20	132.59	119.84
2	1J	23	HIS	CA-C-N	10.20	132.59	119.84
2	1J	23	HIS	C-N-CA	10.20	132.59	119.84
2	1R	226	ILE	O-C-N	10.20	135.32	122.57
2	1V	226	ILE	O-C-N	10.20	135.32	122.57
2	1Z	226	ILE	O-C-N	10.20	135.32	122.57
2	2F	23	HIS	CA-C-N	10.20	132.59	119.84
2	2F	23	HIS	C-N-CA	10.20	132.59	119.84
2	2R	226	ILE	O-C-N	10.20	135.32	122.57
2	2V	226	ILE	O-C-N	10.20	135.32	122.57
2	2Z	226	ILE	O-C-N	10.20	135.32	122.57
2	27	23	HIS	CA-C-N	10.20	132.59	119.84
2	27	23	HIS	C-N-CA	10.20	132.59	119.84
2	3F	23	HIS	CA-C-N	10.20	132.59	119.84
2	3F	23	HIS	C-N-CA	10.20	132.59	119.84
2	4B	23	HIS	CA-C-N	10.20	132.59	119.84
2	4B	23	HIS	C-N-CA	10.20	132.59	119.84
2	4N	23	HIS	CA-C-N	10.20	132.59	119.84
2	4N	23	HIS	C-N-CA	10.20	132.59	119.84
2	4V	23	HIS	CA-C-N	10.20	132.59	119.84
2	4V	23	HIS	C-N-CA	10.20	132.59	119.84
2	43	226	ILE	O-C-N	10.20	135.32	122.57
2	47	226	ILE	O-C-N	10.20	135.32	122.57
2	5B	226	ILE	O-C-N	10.20	135.32	122.57
2	5R	23	HIS	CA-C-N	10.20	132.59	119.84
2	5R	23	HIS	C-N-CA	10.20	132.59	119.84
2	53	226	ILE	O-C-N	10.20	135.32	122.57
2	57	226	ILE	O-C-N	10.20	135.32	122.57
2	6B	226	ILE	O-C-N	10.20	135.32	122.57
2	6J	23	HIS	CA-C-N	10.20	132.59	119.84
2	6J	23	HIS	C-N-CA	10.20	132.59	119.84
2	6R	23	HIS	CA-C-N	10.20	132.59	119.84
2	6R	23	HIS	C-N-CA	10.20	132.59	119.84
2	7N	23	HIS	CA-C-N	10.20	132.59	119.84
2	7N	23	HIS	C-N-CA	10.20	132.59	119.84
1	1A	7	GLN	CA-C-O	10.20	131.46	120.55
1	1I	7	GLN	CA-C-O	10.20	131.46	120.55
1	2E	7	GLN	CA-C-O	10.20	131.46	120.55
1	26	7	GLN	CA-C-O	10.20	131.46	120.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	7	GLN	CA-C-O	10.20	131.46	120.55
1	4A	7	GLN	CA-C-O	10.20	131.46	120.55
1	4M	7	GLN	CA-C-O	10.20	131.46	120.55
1	4U	7	GLN	CA-C-O	10.20	131.46	120.55
1	5Q	7	GLN	CA-C-O	10.20	131.46	120.55
1	6I	7	GLN	CA-C-O	10.20	131.46	120.55
1	6Q	7	GLN	CA-C-O	10.20	131.46	120.55
1	7M	7	GLN	CA-C-O	10.20	131.46	120.55
2	1B	42	HIS	CA-C-O	-10.19	110.19	120.89
2	1F	23	HIS	CA-C-N	10.20	132.58	119.84
2	1F	23	HIS	C-N-CA	10.20	132.58	119.84
2	1J	42	HIS	CA-C-O	-10.19	110.19	120.89
2	2F	42	HIS	CA-C-O	-10.19	110.19	120.89
2	2N	23	HIS	CA-C-N	10.20	132.58	119.84
2	2N	23	HIS	C-N-CA	10.20	132.58	119.84
2	23	23	HIS	CA-C-N	10.20	132.58	119.84
2	23	23	HIS	C-N-CA	10.20	132.58	119.84
2	27	42	HIS	CA-C-O	-10.19	110.19	120.89
2	3F	42	HIS	CA-C-O	-10.19	110.19	120.89
2	3N	23	HIS	CA-C-N	10.20	132.58	119.84
2	3N	23	HIS	C-N-CA	10.20	132.58	119.84
2	37	23	HIS	CA-C-N	10.20	132.58	119.84
2	37	23	HIS	C-N-CA	10.20	132.58	119.84
2	4B	42	HIS	CA-C-O	-10.19	110.19	120.89
2	4J	23	HIS	CA-C-N	10.20	132.58	119.84
2	4J	23	HIS	C-N-CA	10.20	132.58	119.84
2	4N	42	HIS	CA-C-O	-10.19	110.19	120.89
2	4R	23	HIS	CA-C-N	10.20	132.58	119.84
2	4R	23	HIS	C-N-CA	10.20	132.58	119.84
2	4V	42	HIS	CA-C-O	-10.19	110.19	120.89
2	5R	42	HIS	CA-C-O	-10.19	110.19	120.89
2	5Z	23	HIS	CA-C-N	10.20	132.58	119.84
2	5Z	23	HIS	C-N-CA	10.20	132.58	119.84
2	6F	23	HIS	CA-C-N	10.20	132.58	119.84
2	6F	23	HIS	C-N-CA	10.20	132.58	119.84
2	6J	42	HIS	CA-C-O	-10.19	110.19	120.89
2	6R	42	HIS	CA-C-O	-10.19	110.19	120.89
2	6Z	23	HIS	CA-C-N	10.20	132.58	119.84
2	6Z	23	HIS	C-N-CA	10.20	132.58	119.84
2	7J	23	HIS	CA-C-N	10.20	132.58	119.84
2	7J	23	HIS	C-N-CA	10.20	132.58	119.84
2	7N	42	HIS	CA-C-O	-10.19	110.19	120.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7V	23	HIS	CA-C-N	10.20	132.58	119.84
2	7V	23	HIS	C-N-CA	10.20	132.58	119.84
1	1A	12	MET	N-CA-C	10.19	125.95	109.85
1	1I	12	MET	N-CA-C	10.19	125.95	109.85
2	1N	23	HIS	CA-C-N	10.19	132.57	119.84
2	1N	23	HIS	C-N-CA	10.19	132.57	119.84
1	2E	12	MET	N-CA-C	10.19	125.95	109.85
2	2J	23	HIS	CA-C-N	10.19	132.57	119.84
2	2J	23	HIS	C-N-CA	10.19	132.57	119.84
1	26	12	MET	N-CA-C	10.19	125.95	109.85
2	3B	23	HIS	CA-C-N	10.19	132.57	119.84
2	3B	23	HIS	C-N-CA	10.19	132.57	119.84
1	3E	12	MET	N-CA-C	10.19	125.95	109.85
2	3J	23	HIS	CA-C-N	10.19	132.57	119.84
2	3J	23	HIS	C-N-CA	10.19	132.57	119.84
2	33	23	HIS	CA-C-N	10.19	132.57	119.84
2	33	23	HIS	C-N-CA	10.19	132.57	119.84
1	4A	12	MET	N-CA-C	10.19	125.95	109.85
2	4F	23	HIS	CA-C-N	10.19	132.57	119.84
2	4F	23	HIS	C-N-CA	10.19	132.57	119.84
1	4M	12	MET	N-CA-C	10.19	125.95	109.85
1	4U	12	MET	N-CA-C	10.19	125.95	109.85
2	4Z	23	HIS	CA-C-N	10.19	132.57	119.84
2	4Z	23	HIS	C-N-CA	10.19	132.57	119.84
1	5Q	12	MET	N-CA-C	10.19	125.95	109.85
2	5V	23	HIS	CA-C-N	10.19	132.57	119.84
2	5V	23	HIS	C-N-CA	10.19	132.57	119.84
1	6I	12	MET	N-CA-C	10.19	125.95	109.85
2	6N	23	HIS	CA-C-N	10.19	132.57	119.84
2	6N	23	HIS	C-N-CA	10.19	132.57	119.84
1	6Q	12	MET	N-CA-C	10.19	125.95	109.85
2	6V	23	HIS	CA-C-N	10.19	132.57	119.84
2	6V	23	HIS	C-N-CA	10.19	132.57	119.84
2	7F	23	HIS	CA-C-N	10.19	132.57	119.84
2	7F	23	HIS	C-N-CA	10.19	132.57	119.84
1	7M	12	MET	N-CA-C	10.19	125.95	109.85
2	7R	23	HIS	CA-C-N	10.19	132.57	119.84
2	7R	23	HIS	C-N-CA	10.19	132.57	119.84
2	1N	226	ILE	O-C-N	10.18	135.30	122.57
2	2J	226	ILE	O-C-N	10.18	135.30	122.57
2	3B	226	ILE	O-C-N	10.18	135.30	122.57
2	3J	226	ILE	O-C-N	10.18	135.30	122.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	226	ILE	O-C-N	10.18	135.30	122.57
2	4F	226	ILE	O-C-N	10.18	135.30	122.57
2	4Z	226	ILE	O-C-N	10.18	135.30	122.57
2	5V	226	ILE	O-C-N	10.18	135.30	122.57
2	6N	226	ILE	O-C-N	10.18	135.30	122.57
2	6V	226	ILE	O-C-N	10.18	135.30	122.57
2	7F	226	ILE	O-C-N	10.18	135.30	122.57
2	7R	226	ILE	O-C-N	10.18	135.30	122.57
1	12	172	PHE	CD1-CE1-CZ	-10.18	101.67	120.00
2	13	42	HIS	CA-C-O	-10.18	110.20	120.89
1	16	172	PHE	CD1-CE1-CZ	-10.18	101.67	120.00
2	17	42	HIS	CA-C-O	-10.18	110.20	120.89
1	2A	172	PHE	CD1-CE1-CZ	-10.18	101.67	120.00
2	2B	42	HIS	CA-C-O	-10.18	110.20	120.89
1	3Q	172	PHE	CD1-CE1-CZ	-10.18	101.67	120.00
2	3R	42	HIS	CA-C-O	-10.18	110.20	120.89
1	3U	172	PHE	CD1-CE1-CZ	-10.18	101.67	120.00
2	3V	42	HIS	CA-C-O	-10.18	110.20	120.89
1	3Y	172	PHE	CD1-CE1-CZ	-10.18	101.67	120.00
2	3Z	42	HIS	CA-C-O	-10.18	110.20	120.89
1	5E	172	PHE	CD1-CE1-CZ	-10.18	101.67	120.00
2	5F	42	HIS	CA-C-O	-10.18	110.20	120.89
1	5I	172	PHE	CD1-CE1-CZ	-10.18	101.67	120.00
2	5J	42	HIS	CA-C-O	-10.18	110.20	120.89
1	5M	172	PHE	CD1-CE1-CZ	-10.18	101.67	120.00
2	5N	42	HIS	CA-C-O	-10.18	110.20	120.89
1	62	172	PHE	CD1-CE1-CZ	-10.18	101.67	120.00
2	63	42	HIS	CA-C-O	-10.18	110.20	120.89
1	66	172	PHE	CD1-CE1-CZ	-10.18	101.67	120.00
2	67	42	HIS	CA-C-O	-10.18	110.20	120.89
1	7A	172	PHE	CD1-CE1-CZ	-10.18	101.67	120.00
2	7B	42	HIS	CA-C-O	-10.18	110.20	120.89
1	1E	12	MET	N-CA-C	10.18	125.94	109.85
1	2M	12	MET	N-CA-C	10.18	125.94	109.85
1	22	12	MET	N-CA-C	10.18	125.94	109.85
1	3M	12	MET	N-CA-C	10.18	125.94	109.85
1	36	12	MET	N-CA-C	10.18	125.94	109.85
1	4I	12	MET	N-CA-C	10.18	125.94	109.85
1	4Q	12	MET	N-CA-C	10.18	125.94	109.85
1	5Y	12	MET	N-CA-C	10.18	125.94	109.85
1	6E	12	MET	N-CA-C	10.18	125.94	109.85
1	6Y	12	MET	N-CA-C	10.18	125.94	109.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	12	MET	N-CA-C	10.18	125.94	109.85
1	7U	12	MET	N-CA-C	10.18	125.94	109.85
1	1A	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	1I	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	12	12	MET	N-CA-C	10.18	125.93	109.85
2	13	23	HIS	CA-C-N	10.18	132.56	119.84
2	13	23	HIS	C-N-CA	10.18	132.56	119.84
1	16	12	MET	N-CA-C	10.18	125.93	109.85
2	17	23	HIS	CA-C-N	10.18	132.56	119.84
2	17	23	HIS	C-N-CA	10.18	132.56	119.84
1	2A	12	MET	N-CA-C	10.18	125.93	109.85
2	2B	23	HIS	CA-C-N	10.18	132.56	119.84
2	2B	23	HIS	C-N-CA	10.18	132.56	119.84
1	2E	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	26	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	3E	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	3Q	12	MET	N-CA-C	10.18	125.93	109.85
2	3R	23	HIS	CA-C-N	10.18	132.56	119.84
2	3R	23	HIS	C-N-CA	10.18	132.56	119.84
1	3U	12	MET	N-CA-C	10.18	125.93	109.85
2	3V	23	HIS	CA-C-N	10.18	132.56	119.84
2	3V	23	HIS	C-N-CA	10.18	132.56	119.84
1	3Y	12	MET	N-CA-C	10.18	125.93	109.85
2	3Z	23	HIS	CA-C-N	10.18	132.56	119.84
2	3Z	23	HIS	C-N-CA	10.18	132.56	119.84
1	4A	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	4M	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	4U	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	5E	12	MET	N-CA-C	10.18	125.93	109.85
2	5F	23	HIS	CA-C-N	10.18	132.56	119.84
2	5F	23	HIS	C-N-CA	10.18	132.56	119.84
1	5I	12	MET	N-CA-C	10.18	125.93	109.85
2	5J	23	HIS	CA-C-N	10.18	132.56	119.84
2	5J	23	HIS	C-N-CA	10.18	132.56	119.84
1	5M	12	MET	N-CA-C	10.18	125.93	109.85
2	5N	23	HIS	CA-C-N	10.18	132.56	119.84
2	5N	23	HIS	C-N-CA	10.18	132.56	119.84
1	5Q	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	6I	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	6Q	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	62	12	MET	N-CA-C	10.18	125.93	109.85
2	63	23	HIS	CA-C-N	10.18	132.56	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	63	23	HIS	C-N-CA	10.18	132.56	119.84
1	66	12	MET	N-CA-C	10.18	125.93	109.85
2	67	23	HIS	CA-C-N	10.18	132.56	119.84
2	67	23	HIS	C-N-CA	10.18	132.56	119.84
1	7A	12	MET	N-CA-C	10.18	125.93	109.85
2	7B	23	HIS	CA-C-N	10.18	132.56	119.84
2	7B	23	HIS	C-N-CA	10.18	132.56	119.84
1	7M	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	1E	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	2M	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	22	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	3M	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	36	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	4I	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	4Q	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	5Y	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	6E	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	6Y	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	7I	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	7U	172	PHE	CD1-CE1-CZ	-10.18	101.68	120.00
1	1Q	12	MET	N-CA-C	10.18	125.93	109.85
1	1U	12	MET	N-CA-C	10.18	125.93	109.85
1	1Y	12	MET	N-CA-C	10.18	125.93	109.85
1	2Q	12	MET	N-CA-C	10.18	125.93	109.85
1	2U	12	MET	N-CA-C	10.18	125.93	109.85
1	2Y	12	MET	N-CA-C	10.18	125.93	109.85
1	42	12	MET	N-CA-C	10.18	125.93	109.85
1	46	12	MET	N-CA-C	10.18	125.93	109.85
1	5A	12	MET	N-CA-C	10.18	125.93	109.85
1	52	12	MET	N-CA-C	10.18	125.93	109.85
1	56	12	MET	N-CA-C	10.18	125.93	109.85
1	6A	12	MET	N-CA-C	10.18	125.93	109.85
2	1R	217	PRO	O-C-N	-10.17	108.47	122.30
2	1V	217	PRO	O-C-N	-10.17	108.47	122.30
2	1Z	217	PRO	O-C-N	-10.17	108.47	122.30
2	2R	217	PRO	O-C-N	-10.17	108.47	122.30
2	2V	217	PRO	O-C-N	-10.17	108.47	122.30
2	2Z	217	PRO	O-C-N	-10.17	108.47	122.30
2	43	217	PRO	O-C-N	-10.17	108.47	122.30
2	47	217	PRO	O-C-N	-10.17	108.47	122.30
2	5B	217	PRO	O-C-N	-10.17	108.47	122.30
2	53	217	PRO	O-C-N	-10.17	108.47	122.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	217	PRO	O-C-N	-10.17	108.47	122.30
2	6B	217	PRO	O-C-N	-10.17	108.47	122.30
2	1F	217	PRO	O-C-N	-10.17	108.47	122.30
2	2N	217	PRO	O-C-N	-10.17	108.47	122.30
2	23	217	PRO	O-C-N	-10.17	108.47	122.30
2	3N	217	PRO	O-C-N	-10.17	108.47	122.30
2	37	217	PRO	O-C-N	-10.17	108.47	122.30
2	4J	217	PRO	O-C-N	-10.17	108.47	122.30
2	4R	217	PRO	O-C-N	-10.17	108.47	122.30
2	5Z	217	PRO	O-C-N	-10.17	108.47	122.30
2	6F	217	PRO	O-C-N	-10.17	108.47	122.30
2	6Z	217	PRO	O-C-N	-10.17	108.47	122.30
2	7J	217	PRO	O-C-N	-10.17	108.47	122.30
2	7V	217	PRO	O-C-N	-10.17	108.47	122.30
2	1F	226	ILE	O-C-N	10.17	135.28	122.57
1	12	29	TYR	O-C-N	-10.17	109.07	122.59
1	16	29	TYR	O-C-N	-10.17	109.07	122.59
1	2A	29	TYR	O-C-N	-10.17	109.07	122.59
2	2N	226	ILE	O-C-N	10.17	135.28	122.57
2	23	226	ILE	O-C-N	10.17	135.28	122.57
2	3N	226	ILE	O-C-N	10.17	135.28	122.57
1	3Q	29	TYR	O-C-N	-10.17	109.07	122.59
1	3U	29	TYR	O-C-N	-10.17	109.07	122.59
1	3Y	29	TYR	O-C-N	-10.17	109.07	122.59
2	37	226	ILE	O-C-N	10.17	135.28	122.57
2	4J	226	ILE	O-C-N	10.17	135.28	122.57
2	4R	226	ILE	O-C-N	10.17	135.28	122.57
1	5E	29	TYR	O-C-N	-10.17	109.07	122.59
1	5I	29	TYR	O-C-N	-10.17	109.07	122.59
1	5M	29	TYR	O-C-N	-10.17	109.07	122.59
2	5Z	226	ILE	O-C-N	10.17	135.28	122.57
2	6F	226	ILE	O-C-N	10.17	135.28	122.57
2	6Z	226	ILE	O-C-N	10.17	135.28	122.57
1	62	29	TYR	O-C-N	-10.17	109.07	122.59
1	66	29	TYR	O-C-N	-10.17	109.07	122.59
1	7A	29	TYR	O-C-N	-10.17	109.07	122.59
2	7J	226	ILE	O-C-N	10.17	135.28	122.57
2	7V	226	ILE	O-C-N	10.17	135.28	122.57
1	1M	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	2I	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	3A	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	3I	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	4E	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	4Y	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	5U	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	6M	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	6U	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	7E	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	7Q	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	1M	12	MET	N-CA-C	10.16	125.90	109.85
1	1Q	170	ALA	N-CA-C	10.16	125.49	112.89
1	1Q	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	1U	170	ALA	N-CA-C	10.16	125.49	112.89
1	1U	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	1Y	170	ALA	N-CA-C	10.16	125.49	112.89
1	1Y	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	2I	12	MET	N-CA-C	10.16	125.90	109.85
1	2Q	170	ALA	N-CA-C	10.16	125.49	112.89
1	2Q	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	2U	170	ALA	N-CA-C	10.16	125.49	112.89
1	2U	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	2Y	170	ALA	N-CA-C	10.16	125.49	112.89
1	2Y	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	3A	12	MET	N-CA-C	10.16	125.90	109.85
1	3I	12	MET	N-CA-C	10.16	125.90	109.85
1	32	12	MET	N-CA-C	10.16	125.90	109.85
1	4E	12	MET	N-CA-C	10.16	125.90	109.85
1	4Y	12	MET	N-CA-C	10.16	125.90	109.85
1	42	170	ALA	N-CA-C	10.16	125.49	112.89
1	42	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	46	170	ALA	N-CA-C	10.16	125.49	112.89
1	46	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	5A	170	ALA	N-CA-C	10.16	125.49	112.89
1	5A	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	5U	12	MET	N-CA-C	10.16	125.90	109.85
1	52	170	ALA	N-CA-C	10.16	125.49	112.89
1	52	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	56	170	ALA	N-CA-C	10.16	125.49	112.89
1	56	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	6A	170	ALA	N-CA-C	10.16	125.49	112.89
1	6A	172	PHE	CD1-CE1-CZ	-10.16	101.71	120.00
1	6M	12	MET	N-CA-C	10.16	125.90	109.85
1	6U	12	MET	N-CA-C	10.16	125.90	109.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	12	MET	N-CA-C	10.16	125.90	109.85
1	7Q	12	MET	N-CA-C	10.16	125.90	109.85
2	1F	27	PRO	CB-CA-C	-10.16	94.80	111.56
1	1M	81	ASN	CB-CG-ND2	-10.16	101.16	116.40
1	1Q	7	GLN	CA-C-O	10.16	131.42	120.55
1	1U	7	GLN	CA-C-O	10.16	131.42	120.55
1	1Y	7	GLN	CA-C-O	10.16	131.42	120.55
1	12	7	GLN	CA-C-O	10.16	131.42	120.55
1	16	7	GLN	CA-C-O	10.16	131.42	120.55
1	2A	7	GLN	CA-C-O	10.16	131.42	120.55
1	2I	81	ASN	CB-CG-ND2	-10.16	101.16	116.40
2	2N	27	PRO	CB-CA-C	-10.16	94.80	111.56
1	2Q	7	GLN	CA-C-O	10.16	131.42	120.55
1	2U	7	GLN	CA-C-O	10.16	131.42	120.55
1	2Y	7	GLN	CA-C-O	10.16	131.42	120.55
2	23	27	PRO	CB-CA-C	-10.16	94.80	111.56
1	3A	81	ASN	CB-CG-ND2	-10.16	101.16	116.40
1	3I	81	ASN	CB-CG-ND2	-10.16	101.16	116.40
2	3N	27	PRO	CB-CA-C	-10.16	94.80	111.56
1	3Q	7	GLN	CA-C-O	10.16	131.42	120.55
1	3U	7	GLN	CA-C-O	10.16	131.42	120.55
1	3Y	7	GLN	CA-C-O	10.16	131.42	120.55
1	32	81	ASN	CB-CG-ND2	-10.16	101.16	116.40
2	37	27	PRO	CB-CA-C	-10.16	94.80	111.56
1	4E	81	ASN	CB-CG-ND2	-10.16	101.16	116.40
2	4J	27	PRO	CB-CA-C	-10.16	94.80	111.56
2	4R	27	PRO	CB-CA-C	-10.16	94.80	111.56
1	4Y	81	ASN	CB-CG-ND2	-10.16	101.16	116.40
1	42	7	GLN	CA-C-O	10.16	131.42	120.55
1	46	7	GLN	CA-C-O	10.16	131.42	120.55
1	5A	7	GLN	CA-C-O	10.16	131.42	120.55
1	5E	7	GLN	CA-C-O	10.16	131.42	120.55
1	5I	7	GLN	CA-C-O	10.16	131.42	120.55
1	5M	7	GLN	CA-C-O	10.16	131.42	120.55
1	5U	81	ASN	CB-CG-ND2	-10.16	101.16	116.40
2	5Z	27	PRO	CB-CA-C	-10.16	94.80	111.56
1	52	7	GLN	CA-C-O	10.16	131.42	120.55
1	56	7	GLN	CA-C-O	10.16	131.42	120.55
1	6A	7	GLN	CA-C-O	10.16	131.42	120.55
2	6F	27	PRO	CB-CA-C	-10.16	94.80	111.56
1	6M	81	ASN	CB-CG-ND2	-10.16	101.16	116.40
1	6U	81	ASN	CB-CG-ND2	-10.16	101.16	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6Z	27	PRO	CB-CA-C	-10.16	94.80	111.56
1	62	7	GLN	CA-C-O	10.16	131.42	120.55
1	66	7	GLN	CA-C-O	10.16	131.42	120.55
1	7A	7	GLN	CA-C-O	10.16	131.42	120.55
1	7E	81	ASN	CB-CG-ND2	-10.16	101.16	116.40
2	7J	27	PRO	CB-CA-C	-10.16	94.80	111.56
1	7Q	81	ASN	CB-CG-ND2	-10.16	101.16	116.40
2	7V	27	PRO	CB-CA-C	-10.16	94.80	111.56
2	1B	27	PRO	CB-CA-C	-10.15	94.81	111.56
2	1J	27	PRO	CB-CA-C	-10.15	94.81	111.56
1	1M	7	GLN	CA-C-O	10.15	131.41	120.55
1	1M	29	TYR	O-C-N	-10.15	109.09	122.59
2	1N	27	PRO	CB-CA-C	-10.15	94.81	111.56
2	13	226	ILE	O-C-N	10.15	135.26	122.57
2	17	226	ILE	O-C-N	10.15	135.26	122.57
2	2B	226	ILE	O-C-N	10.15	135.26	122.57
2	2F	27	PRO	CB-CA-C	-10.15	94.81	111.56
1	2I	7	GLN	CA-C-O	10.15	131.41	120.55
1	2I	29	TYR	O-C-N	-10.15	109.09	122.59
2	2J	27	PRO	CB-CA-C	-10.15	94.81	111.56
2	27	27	PRO	CB-CA-C	-10.15	94.81	111.56
1	3A	7	GLN	CA-C-O	10.15	131.41	120.55
1	3A	29	TYR	O-C-N	-10.15	109.09	122.59
2	3B	27	PRO	CB-CA-C	-10.15	94.81	111.56
2	3F	27	PRO	CB-CA-C	-10.15	94.81	111.56
1	3I	7	GLN	CA-C-O	10.15	131.41	120.55
1	3I	29	TYR	O-C-N	-10.15	109.09	122.59
2	3J	27	PRO	CB-CA-C	-10.15	94.81	111.56
2	3R	226	ILE	O-C-N	10.15	135.26	122.57
2	3V	226	ILE	O-C-N	10.15	135.26	122.57
2	3Z	226	ILE	O-C-N	10.15	135.26	122.57
1	32	7	GLN	CA-C-O	10.15	131.41	120.55
1	32	29	TYR	O-C-N	-10.15	109.09	122.59
2	33	27	PRO	CB-CA-C	-10.15	94.81	111.56
2	4B	27	PRO	CB-CA-C	-10.15	94.81	111.56
1	4E	7	GLN	CA-C-O	10.15	131.41	120.55
1	4E	29	TYR	O-C-N	-10.15	109.09	122.59
2	4F	27	PRO	CB-CA-C	-10.15	94.81	111.56
2	4N	27	PRO	CB-CA-C	-10.15	94.81	111.56
2	4V	27	PRO	CB-CA-C	-10.15	94.81	111.56
1	4Y	7	GLN	CA-C-O	10.15	131.41	120.55
1	4Y	29	TYR	O-C-N	-10.15	109.09	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4Z	27	PRO	CB-CA-C	-10.15	94.81	111.56
2	5F	226	ILE	O-C-N	10.15	135.26	122.57
2	5J	226	ILE	O-C-N	10.15	135.26	122.57
2	5N	226	ILE	O-C-N	10.15	135.26	122.57
2	5R	27	PRO	CB-CA-C	-10.15	94.81	111.56
1	5U	7	GLN	CA-C-O	10.15	131.41	120.55
1	5U	29	TYR	O-C-N	-10.15	109.09	122.59
2	5V	27	PRO	CB-CA-C	-10.15	94.81	111.56
2	6J	27	PRO	CB-CA-C	-10.15	94.81	111.56
1	6M	7	GLN	CA-C-O	10.15	131.41	120.55
1	6M	29	TYR	O-C-N	-10.15	109.09	122.59
2	6N	27	PRO	CB-CA-C	-10.15	94.81	111.56
2	6R	27	PRO	CB-CA-C	-10.15	94.81	111.56
1	6U	7	GLN	CA-C-O	10.15	131.41	120.55
1	6U	29	TYR	O-C-N	-10.15	109.09	122.59
2	6V	27	PRO	CB-CA-C	-10.15	94.81	111.56
2	63	226	ILE	O-C-N	10.15	135.26	122.57
2	67	226	ILE	O-C-N	10.15	135.26	122.57
2	7B	226	ILE	O-C-N	10.15	135.26	122.57
1	7E	7	GLN	CA-C-O	10.15	131.41	120.55
1	7E	29	TYR	O-C-N	-10.15	109.09	122.59
2	7F	27	PRO	CB-CA-C	-10.15	94.81	111.56
2	7N	27	PRO	CB-CA-C	-10.15	94.81	111.56
1	7Q	7	GLN	CA-C-O	10.15	131.41	120.55
1	7Q	29	TYR	O-C-N	-10.15	109.09	122.59
2	7R	27	PRO	CB-CA-C	-10.15	94.81	111.56
1	1M	170	ALA	N-CA-C	10.15	125.48	112.89
2	1R	77	THR	CA-C-O	-10.15	108.88	121.67
2	1V	77	THR	CA-C-O	-10.15	108.88	121.67
2	1Z	77	THR	CA-C-O	-10.15	108.88	121.67
1	12	20	GLU	CB-CG-CD	-10.15	95.34	112.60
1	16	20	GLU	CB-CG-CD	-10.15	95.34	112.60
1	2A	20	GLU	CB-CG-CD	-10.15	95.34	112.60
1	2I	170	ALA	N-CA-C	10.15	125.48	112.89
2	2R	77	THR	CA-C-O	-10.15	108.88	121.67
2	2V	77	THR	CA-C-O	-10.15	108.88	121.67
2	2Z	77	THR	CA-C-O	-10.15	108.88	121.67
1	3A	170	ALA	N-CA-C	10.15	125.48	112.89
1	3I	170	ALA	N-CA-C	10.15	125.48	112.89
1	3Q	20	GLU	CB-CG-CD	-10.15	95.34	112.60
1	3U	20	GLU	CB-CG-CD	-10.15	95.34	112.60
1	3Y	20	GLU	CB-CG-CD	-10.15	95.34	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	170	ALA	N-CA-C	10.15	125.48	112.89
1	4E	170	ALA	N-CA-C	10.15	125.48	112.89
1	4Y	170	ALA	N-CA-C	10.15	125.48	112.89
2	43	77	THR	CA-C-O	-10.15	108.88	121.67
2	47	77	THR	CA-C-O	-10.15	108.88	121.67
2	5B	77	THR	CA-C-O	-10.15	108.88	121.67
1	5E	20	GLU	CB-CG-CD	-10.15	95.34	112.60
1	5I	20	GLU	CB-CG-CD	-10.15	95.34	112.60
1	5M	20	GLU	CB-CG-CD	-10.15	95.34	112.60
1	5U	170	ALA	N-CA-C	10.15	125.48	112.89
2	53	77	THR	CA-C-O	-10.15	108.88	121.67
2	57	77	THR	CA-C-O	-10.15	108.88	121.67
2	6B	77	THR	CA-C-O	-10.15	108.88	121.67
1	6M	170	ALA	N-CA-C	10.15	125.48	112.89
1	6U	170	ALA	N-CA-C	10.15	125.48	112.89
1	62	20	GLU	CB-CG-CD	-10.15	95.34	112.60
1	66	20	GLU	CB-CG-CD	-10.15	95.34	112.60
1	7A	20	GLU	CB-CG-CD	-10.15	95.34	112.60
1	7E	170	ALA	N-CA-C	10.15	125.48	112.89
1	7Q	170	ALA	N-CA-C	10.15	125.48	112.89
2	13	77	THR	CA-C-O	-10.15	108.88	121.67
2	17	77	THR	CA-C-O	-10.15	108.88	121.67
2	2B	77	THR	CA-C-O	-10.15	108.88	121.67
2	3V	77	THR	CA-C-O	-10.15	108.88	121.67
2	3Z	77	THR	CA-C-O	-10.15	108.88	121.67
2	67	77	THR	CA-C-O	-10.15	108.88	121.67
1	1A	170	ALA	N-CA-C	10.15	125.47	112.89
1	1I	170	ALA	N-CA-C	10.15	125.47	112.89
1	1Q	40	SER	O-C-N	-10.15	110.33	122.81
1	1Q	81	ASN	CB-CG-ND2	-10.15	101.18	116.40
1	1U	40	SER	O-C-N	-10.15	110.33	122.81
1	1U	81	ASN	CB-CG-ND2	-10.15	101.18	116.40
1	1Y	40	SER	O-C-N	-10.15	110.33	122.81
1	1Y	81	ASN	CB-CG-ND2	-10.15	101.18	116.40
2	13	27	PRO	CB-CA-C	-10.15	94.82	111.56
2	17	27	PRO	CB-CA-C	-10.15	94.82	111.56
2	2B	27	PRO	CB-CA-C	-10.15	94.82	111.56
2	5F	77	THR	CA-C-O	-10.15	108.88	121.67
2	5N	77	THR	CA-C-O	-10.15	108.88	121.67
1	2E	170	ALA	N-CA-C	10.15	125.47	112.89
1	2Q	40	SER	O-C-N	-10.15	110.33	122.81
1	2Q	81	ASN	CB-CG-ND2	-10.15	101.18	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	40	SER	O-C-N	-10.15	110.33	122.81
1	2U	81	ASN	CB-CG-ND2	-10.15	101.18	116.40
1	2Y	40	SER	O-C-N	-10.15	110.33	122.81
1	2Y	81	ASN	CB-CG-ND2	-10.15	101.18	116.40
2	3R	77	THR	CA-C-O	-10.15	108.88	121.67
1	26	170	ALA	N-CA-C	10.15	125.47	112.89
1	3E	170	ALA	N-CA-C	10.15	125.47	112.89
2	3R	27	PRO	CB-CA-C	-10.15	94.82	111.56
2	3V	27	PRO	CB-CA-C	-10.15	94.82	111.56
2	3Z	27	PRO	CB-CA-C	-10.15	94.82	111.56
2	5J	77	THR	CA-C-O	-10.15	108.88	121.67
2	7B	77	THR	CA-C-O	-10.15	108.88	121.67
1	4A	170	ALA	N-CA-C	10.15	125.47	112.89
1	4M	170	ALA	N-CA-C	10.15	125.47	112.89
1	4U	170	ALA	N-CA-C	10.15	125.47	112.89
1	42	40	SER	O-C-N	-10.15	110.33	122.81
1	42	81	ASN	CB-CG-ND2	-10.15	101.18	116.40
1	46	40	SER	O-C-N	-10.15	110.33	122.81
1	46	81	ASN	CB-CG-ND2	-10.15	101.18	116.40
1	5A	40	SER	O-C-N	-10.15	110.33	122.81
1	5A	81	ASN	CB-CG-ND2	-10.15	101.18	116.40
2	5F	27	PRO	CB-CA-C	-10.15	94.82	111.56
2	5J	27	PRO	CB-CA-C	-10.15	94.82	111.56
2	5N	27	PRO	CB-CA-C	-10.15	94.82	111.56
1	5Q	170	ALA	N-CA-C	10.15	125.47	112.89
1	52	40	SER	O-C-N	-10.15	110.33	122.81
1	52	81	ASN	CB-CG-ND2	-10.15	101.18	116.40
1	56	40	SER	O-C-N	-10.15	110.33	122.81
1	56	81	ASN	CB-CG-ND2	-10.15	101.18	116.40
1	6A	40	SER	O-C-N	-10.15	110.33	122.81
1	6A	81	ASN	CB-CG-ND2	-10.15	101.18	116.40
2	63	77	THR	CA-C-O	-10.15	108.88	121.67
1	6I	170	ALA	N-CA-C	10.15	125.47	112.89
1	6Q	170	ALA	N-CA-C	10.15	125.47	112.89
2	63	27	PRO	CB-CA-C	-10.15	94.82	111.56
2	67	27	PRO	CB-CA-C	-10.15	94.82	111.56
2	7B	27	PRO	CB-CA-C	-10.15	94.82	111.56
1	7M	170	ALA	N-CA-C	10.15	125.47	112.89
1	1E	81	ASN	CB-CG-ND2	-10.14	101.18	116.40
1	2M	81	ASN	CB-CG-ND2	-10.14	101.18	116.40
1	22	81	ASN	CB-CG-ND2	-10.14	101.18	116.40
1	3M	81	ASN	CB-CG-ND2	-10.14	101.18	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	81	ASN	CB-CG-ND2	-10.14	101.18	116.40
1	4I	81	ASN	CB-CG-ND2	-10.14	101.18	116.40
1	4Q	81	ASN	CB-CG-ND2	-10.14	101.18	116.40
1	5Y	81	ASN	CB-CG-ND2	-10.14	101.18	116.40
1	6E	81	ASN	CB-CG-ND2	-10.14	101.18	116.40
1	6Y	81	ASN	CB-CG-ND2	-10.14	101.18	116.40
1	7I	81	ASN	CB-CG-ND2	-10.14	101.18	116.40
1	7U	81	ASN	CB-CG-ND2	-10.14	101.18	116.40
2	1N	217	PRO	O-C-N	-10.14	108.51	122.30
1	12	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
1	16	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
1	2A	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	2J	217	PRO	O-C-N	-10.14	108.51	122.30
2	3B	217	PRO	O-C-N	-10.14	108.51	122.30
2	3J	217	PRO	O-C-N	-10.14	108.51	122.30
1	3Q	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
1	3U	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
1	3Y	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	33	217	PRO	O-C-N	-10.14	108.51	122.30
2	4F	217	PRO	O-C-N	-10.14	108.51	122.30
2	4Z	217	PRO	O-C-N	-10.14	108.51	122.30
1	5E	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
1	5I	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
1	5M	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	5V	217	PRO	O-C-N	-10.14	108.51	122.30
2	6N	217	PRO	O-C-N	-10.14	108.51	122.30
2	6V	217	PRO	O-C-N	-10.14	108.51	122.30
1	62	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
1	66	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
1	7A	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	7F	217	PRO	O-C-N	-10.14	108.51	122.30
2	7R	217	PRO	O-C-N	-10.14	108.51	122.30
1	1A	29	TYR	O-C-N	-10.14	109.10	122.59
1	1E	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	1Z	27	PRO	CB-CA-C	-10.14	94.83	111.56
1	3I	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	33	42	HIS	CA-C-O	-10.14	110.24	120.89
1	1A	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	1B	217	PRO	O-C-N	-10.14	108.51	122.30
2	1F	42	HIS	CA-C-O	-10.14	110.24	120.89
1	1I	29	TYR	O-C-N	-10.14	109.10	122.59
1	1M	20	GLU	CB-CG-CD	-10.14	95.36	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1N	42	HIS	CA-C-O	-10.14	110.24	120.89
2	1V	27	PRO	CB-CA-C	-10.14	94.83	111.56
2	2V	27	PRO	CB-CA-C	-10.14	94.83	111.56
2	1F	35	PHE	CB-CG-CD1	-10.14	103.46	120.70
1	1I	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	1J	217	PRO	O-C-N	-10.14	108.51	122.30
2	1R	27	PRO	CB-CA-C	-10.14	94.83	111.56
2	13	217	PRO	O-C-N	-10.14	108.51	122.30
2	17	217	PRO	O-C-N	-10.14	108.51	122.30
2	2B	217	PRO	O-C-N	-10.14	108.51	122.30
1	2E	29	TYR	O-C-N	-10.14	109.10	122.59
1	2E	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	2F	217	PRO	O-C-N	-10.14	108.51	122.30
1	2I	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	2J	42	HIS	CA-C-O	-10.14	110.24	120.89
1	2M	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	2N	42	HIS	CA-C-O	-10.14	110.24	120.89
2	2R	27	PRO	CB-CA-C	-10.14	94.83	111.56
2	2Z	27	PRO	CB-CA-C	-10.14	94.83	111.56
1	22	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	23	42	HIS	CA-C-O	-10.14	110.24	120.89
1	26	29	TYR	O-C-N	-10.14	109.10	122.59
1	3A	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	3B	42	HIS	CA-C-O	-10.14	110.24	120.89
1	3E	29	TYR	O-C-N	-10.14	109.10	122.59
2	3N	42	HIS	CA-C-O	-10.14	110.24	120.89
1	36	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	5B	27	PRO	CB-CA-C	-10.14	94.83	111.56
1	6I	29	TYR	O-C-N	-10.14	109.10	122.59
2	2N	35	PHE	CB-CG-CD1	-10.14	103.46	120.70
2	23	35	PHE	CB-CG-CD1	-10.14	103.46	120.70
1	26	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	27	217	PRO	O-C-N	-10.14	108.51	122.30
1	3E	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	3F	217	PRO	O-C-N	-10.14	108.51	122.30
2	3J	42	HIS	CA-C-O	-10.14	110.24	120.89
1	3M	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	3N	35	PHE	CB-CG-CD1	-10.14	103.46	120.70
2	3R	217	PRO	O-C-N	-10.14	108.51	122.30
2	3V	217	PRO	O-C-N	-10.14	108.51	122.30
2	3Z	217	PRO	O-C-N	-10.14	108.51	122.30
1	32	20	GLU	CB-CG-CD	-10.14	95.36	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	42	HIS	CA-C-O	-10.14	110.24	120.89
1	4A	29	TYR	O-C-N	-10.14	109.10	122.59
1	4E	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	4F	42	HIS	CA-C-O	-10.14	110.24	120.89
1	4Q	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	6B	27	PRO	CB-CA-C	-10.14	94.83	111.56
1	7I	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	7V	42	HIS	CA-C-O	-10.14	110.24	120.89
2	37	35	PHE	CB-CG-CD1	-10.14	103.46	120.70
1	4A	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	4B	217	PRO	O-C-N	-10.14	108.51	122.30
1	4I	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	4J	42	HIS	CA-C-O	-10.14	110.24	120.89
1	4M	29	TYR	O-C-N	-10.14	109.10	122.59
2	5V	42	HIS	CA-C-O	-10.14	110.24	120.89
2	6V	42	HIS	CA-C-O	-10.14	110.24	120.89
2	4J	35	PHE	CB-CG-CD1	-10.14	103.46	120.70
1	4M	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	4N	217	PRO	O-C-N	-10.14	108.51	122.30
2	4R	42	HIS	CA-C-O	-10.14	110.24	120.89
1	4U	29	TYR	O-C-N	-10.14	109.10	122.59
1	4Y	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	4Z	42	HIS	CA-C-O	-10.14	110.24	120.89
2	47	27	PRO	CB-CA-C	-10.14	94.83	111.56
2	4R	35	PHE	CB-CG-CD1	-10.14	103.46	120.70
1	4U	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	4V	217	PRO	O-C-N	-10.14	108.51	122.30
2	43	27	PRO	CB-CA-C	-10.14	94.83	111.56
2	5F	217	PRO	O-C-N	-10.14	108.51	122.30
2	5J	217	PRO	O-C-N	-10.14	108.51	122.30
2	5N	217	PRO	O-C-N	-10.14	108.51	122.30
1	5Q	29	TYR	O-C-N	-10.14	109.10	122.59
1	5Q	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	5R	217	PRO	O-C-N	-10.14	108.51	122.30
1	5U	20	GLU	CB-CG-CD	-10.14	95.36	112.60
1	5Y	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	5Z	42	HIS	CA-C-O	-10.14	110.24	120.89
2	53	27	PRO	CB-CA-C	-10.14	94.83	111.56
2	57	27	PRO	CB-CA-C	-10.14	94.83	111.56
1	6E	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	6F	42	HIS	CA-C-O	-10.14	110.24	120.89
1	6M	20	GLU	CB-CG-CD	-10.14	95.36	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6N	42	HIS	CA-C-O	-10.14	110.24	120.89
1	6Q	29	TYR	O-C-N	-10.14	109.10	122.59
1	6U	20	GLU	CB-CG-CD	-10.14	95.36	112.60
1	6Y	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	7F	42	HIS	CA-C-O	-10.14	110.24	120.89
2	7J	42	HIS	CA-C-O	-10.14	110.24	120.89
1	7M	29	TYR	O-C-N	-10.14	109.10	122.59
2	5Z	35	PHE	CB-CG-CD1	-10.14	103.46	120.70
2	6F	35	PHE	CB-CG-CD1	-10.14	103.46	120.70
1	6I	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	6J	217	PRO	O-C-N	-10.14	108.51	122.30
1	6Q	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	6R	217	PRO	O-C-N	-10.14	108.51	122.30
2	6Z	42	HIS	CA-C-O	-10.14	110.24	120.89
2	6Z	35	PHE	CB-CG-CD1	-10.14	103.46	120.70
2	63	217	PRO	O-C-N	-10.14	108.51	122.30
2	67	217	PRO	O-C-N	-10.14	108.51	122.30
2	7B	217	PRO	O-C-N	-10.14	108.51	122.30
1	7E	20	GLU	CB-CG-CD	-10.14	95.36	112.60
1	7Q	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	7R	42	HIS	CA-C-O	-10.14	110.24	120.89
2	7J	35	PHE	CB-CG-CD1	-10.14	103.46	120.70
1	7M	81	ASN	CB-CG-ND2	-10.14	101.19	116.40
2	7N	217	PRO	O-C-N	-10.14	108.51	122.30
1	7U	20	GLU	CB-CG-CD	-10.14	95.36	112.60
2	7V	35	PHE	CB-CG-CD1	-10.14	103.46	120.70
1	1A	20	GLU	CB-CG-CD	-10.14	95.37	112.60
2	1F	77	THR	CA-C-O	-10.13	108.90	121.67
1	1I	20	GLU	CB-CG-CD	-10.14	95.37	112.60
1	12	170	ALA	N-CA-C	10.13	125.46	112.89
1	16	170	ALA	N-CA-C	10.13	125.46	112.89
1	2A	170	ALA	N-CA-C	10.13	125.46	112.89
1	2E	20	GLU	CB-CG-CD	-10.14	95.37	112.60
2	2N	77	THR	CA-C-O	-10.13	108.90	121.67
2	23	77	THR	CA-C-O	-10.13	108.90	121.67
1	26	20	GLU	CB-CG-CD	-10.14	95.37	112.60
1	3E	20	GLU	CB-CG-CD	-10.14	95.37	112.60
2	3N	77	THR	CA-C-O	-10.13	108.90	121.67
1	3Q	170	ALA	N-CA-C	10.13	125.46	112.89
1	3U	170	ALA	N-CA-C	10.13	125.46	112.89
1	3Y	170	ALA	N-CA-C	10.13	125.46	112.89
2	37	77	THR	CA-C-O	-10.13	108.90	121.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	20	GLU	CB-CG-CD	-10.14	95.37	112.60
2	4J	77	THR	CA-C-O	-10.13	108.90	121.67
1	4M	20	GLU	CB-CG-CD	-10.14	95.37	112.60
2	4R	77	THR	CA-C-O	-10.13	108.90	121.67
1	4U	20	GLU	CB-CG-CD	-10.14	95.37	112.60
1	5E	170	ALA	N-CA-C	10.13	125.46	112.89
1	5I	170	ALA	N-CA-C	10.13	125.46	112.89
1	5M	170	ALA	N-CA-C	10.13	125.46	112.89
1	5Q	20	GLU	CB-CG-CD	-10.14	95.37	112.60
2	5Z	77	THR	CA-C-O	-10.13	108.90	121.67
2	6F	77	THR	CA-C-O	-10.13	108.90	121.67
1	6I	20	GLU	CB-CG-CD	-10.14	95.37	112.60
1	6Q	20	GLU	CB-CG-CD	-10.14	95.37	112.60
2	6Z	77	THR	CA-C-O	-10.13	108.90	121.67
1	62	170	ALA	N-CA-C	10.13	125.46	112.89
1	66	170	ALA	N-CA-C	10.13	125.46	112.89
1	7A	170	ALA	N-CA-C	10.13	125.46	112.89
2	7J	77	THR	CA-C-O	-10.13	108.90	121.67
1	7M	20	GLU	CB-CG-CD	-10.14	95.37	112.60
2	7V	77	THR	CA-C-O	-10.13	108.90	121.67
1	1E	170	ALA	N-CA-C	10.13	125.45	112.89
1	2M	170	ALA	N-CA-C	10.13	125.45	112.89
1	22	170	ALA	N-CA-C	10.13	125.45	112.89
1	3M	170	ALA	N-CA-C	10.13	125.45	112.89
1	36	170	ALA	N-CA-C	10.13	125.45	112.89
1	4I	170	ALA	N-CA-C	10.13	125.45	112.89
1	4Q	170	ALA	N-CA-C	10.13	125.45	112.89
1	5Y	170	ALA	N-CA-C	10.13	125.45	112.89
1	6E	170	ALA	N-CA-C	10.13	125.45	112.89
1	6Y	170	ALA	N-CA-C	10.13	125.45	112.89
1	7I	170	ALA	N-CA-C	10.13	125.45	112.89
1	7U	170	ALA	N-CA-C	10.13	125.45	112.89
1	1E	40	SER	O-C-N	-10.13	110.35	122.81
1	2M	40	SER	O-C-N	-10.13	110.35	122.81
1	22	40	SER	O-C-N	-10.13	110.35	122.81
1	3M	40	SER	O-C-N	-10.13	110.35	122.81
1	36	40	SER	O-C-N	-10.13	110.35	122.81
1	4I	40	SER	O-C-N	-10.13	110.35	122.81
1	4Q	40	SER	O-C-N	-10.13	110.35	122.81
1	5Y	40	SER	O-C-N	-10.13	110.35	122.81
1	6E	40	SER	O-C-N	-10.13	110.35	122.81
1	6Y	40	SER	O-C-N	-10.13	110.35	122.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	40	SER	O-C-N	-10.13	110.35	122.81
1	7U	40	SER	O-C-N	-10.13	110.35	122.81
2	1B	77	THR	CA-C-O	-10.13	108.91	121.67
2	1J	77	THR	CA-C-O	-10.13	108.91	121.67
1	1Q	20	GLU	CB-CG-CD	-10.13	95.38	112.60
1	1U	20	GLU	CB-CG-CD	-10.13	95.38	112.60
1	1Y	20	GLU	CB-CG-CD	-10.13	95.38	112.60
2	2F	77	THR	CA-C-O	-10.13	108.91	121.67
1	2Q	20	GLU	CB-CG-CD	-10.13	95.38	112.60
1	2U	20	GLU	CB-CG-CD	-10.13	95.38	112.60
1	2Y	20	GLU	CB-CG-CD	-10.13	95.38	112.60
2	27	77	THR	CA-C-O	-10.13	108.91	121.67
2	3F	77	THR	CA-C-O	-10.13	108.91	121.67
2	4B	77	THR	CA-C-O	-10.13	108.91	121.67
2	4N	77	THR	CA-C-O	-10.13	108.91	121.67
2	4V	77	THR	CA-C-O	-10.13	108.91	121.67
1	42	20	GLU	CB-CG-CD	-10.13	95.38	112.60
1	46	20	GLU	CB-CG-CD	-10.13	95.38	112.60
1	5A	20	GLU	CB-CG-CD	-10.13	95.38	112.60
2	5R	77	THR	CA-C-O	-10.13	108.91	121.67
1	52	20	GLU	CB-CG-CD	-10.13	95.38	112.60
1	56	20	GLU	CB-CG-CD	-10.13	95.38	112.60
1	6A	20	GLU	CB-CG-CD	-10.13	95.38	112.60
2	6J	77	THR	CA-C-O	-10.13	108.91	121.67
2	6R	77	THR	CA-C-O	-10.13	108.91	121.67
2	7N	77	THR	CA-C-O	-10.13	108.91	121.67
2	1N	35	PHE	CB-CG-CD1	-10.13	103.49	120.70
2	2J	35	PHE	CB-CG-CD1	-10.13	103.49	120.70
2	3B	35	PHE	CB-CG-CD1	-10.13	103.49	120.70
2	3J	35	PHE	CB-CG-CD1	-10.13	103.49	120.70
2	33	35	PHE	CB-CG-CD1	-10.13	103.49	120.70
2	4F	35	PHE	CB-CG-CD1	-10.13	103.49	120.70
2	4Z	35	PHE	CB-CG-CD1	-10.13	103.49	120.70
2	5V	35	PHE	CB-CG-CD1	-10.13	103.49	120.70
2	6N	35	PHE	CB-CG-CD1	-10.13	103.49	120.70
2	6V	35	PHE	CB-CG-CD1	-10.13	103.49	120.70
2	7F	35	PHE	CB-CG-CD1	-10.13	103.49	120.70
2	7R	35	PHE	CB-CG-CD1	-10.13	103.49	120.70
1	1E	29	TYR	O-C-N	-10.12	109.13	122.59
2	1N	77	THR	CA-C-O	-10.12	108.92	121.67
2	1R	35	PHE	CB-CG-CD1	-10.12	103.49	120.70
2	1V	35	PHE	CB-CG-CD1	-10.12	103.49	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1Z	35	PHE	CB-CG-CD1	-10.12	103.49	120.70
2	2J	77	THR	CA-C-O	-10.12	108.92	121.67
1	2M	29	TYR	O-C-N	-10.12	109.13	122.59
2	2R	35	PHE	CB-CG-CD1	-10.12	103.49	120.70
2	2V	35	PHE	CB-CG-CD1	-10.12	103.49	120.70
2	2Z	35	PHE	CB-CG-CD1	-10.12	103.49	120.70
1	22	29	TYR	O-C-N	-10.12	109.13	122.59
2	3B	77	THR	CA-C-O	-10.12	108.92	121.67
2	3J	77	THR	CA-C-O	-10.12	108.92	121.67
1	3M	29	TYR	O-C-N	-10.12	109.13	122.59
2	33	77	THR	CA-C-O	-10.12	108.92	121.67
1	36	29	TYR	O-C-N	-10.12	109.13	122.59
2	4F	77	THR	CA-C-O	-10.12	108.92	121.67
1	4I	29	TYR	O-C-N	-10.12	109.13	122.59
1	4Q	29	TYR	O-C-N	-10.12	109.13	122.59
2	4Z	77	THR	CA-C-O	-10.12	108.92	121.67
2	43	35	PHE	CB-CG-CD1	-10.12	103.49	120.70
2	47	35	PHE	CB-CG-CD1	-10.12	103.49	120.70
2	5B	35	PHE	CB-CG-CD1	-10.12	103.49	120.70
2	5V	77	THR	CA-C-O	-10.12	108.92	121.67
1	5Y	29	TYR	O-C-N	-10.12	109.13	122.59
2	53	35	PHE	CB-CG-CD1	-10.12	103.49	120.70
2	57	35	PHE	CB-CG-CD1	-10.12	103.49	120.70
2	6B	35	PHE	CB-CG-CD1	-10.12	103.49	120.70
1	6E	29	TYR	O-C-N	-10.12	109.13	122.59
2	6N	77	THR	CA-C-O	-10.12	108.92	121.67
2	6V	77	THR	CA-C-O	-10.12	108.92	121.67
1	6Y	29	TYR	O-C-N	-10.12	109.13	122.59
2	7F	77	THR	CA-C-O	-10.12	108.92	121.67
1	7I	29	TYR	O-C-N	-10.12	109.13	122.59
2	7R	77	THR	CA-C-O	-10.12	108.92	121.67
1	7U	29	TYR	O-C-N	-10.12	109.13	122.59
2	13	35	PHE	CB-CG-CD1	-10.12	103.50	120.70
2	17	35	PHE	CB-CG-CD1	-10.12	103.50	120.70
2	2B	35	PHE	CB-CG-CD1	-10.12	103.50	120.70
2	3R	35	PHE	CB-CG-CD1	-10.12	103.50	120.70
2	3V	35	PHE	CB-CG-CD1	-10.12	103.50	120.70
2	3Z	35	PHE	CB-CG-CD1	-10.12	103.50	120.70
2	5F	35	PHE	CB-CG-CD1	-10.12	103.50	120.70
2	5J	35	PHE	CB-CG-CD1	-10.12	103.50	120.70
2	5N	35	PHE	CB-CG-CD1	-10.12	103.50	120.70
2	63	35	PHE	CB-CG-CD1	-10.12	103.50	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	35	PHE	CB-CG-CD1	-10.12	103.50	120.70
2	7B	35	PHE	CB-CG-CD1	-10.12	103.50	120.70
1	1E	7	GLN	CA-C-O	10.12	131.38	120.55
1	2M	7	GLN	CA-C-O	10.12	131.38	120.55
1	22	7	GLN	CA-C-O	10.12	131.38	120.55
1	3M	7	GLN	CA-C-O	10.12	131.38	120.55
1	36	7	GLN	CA-C-O	10.12	131.38	120.55
1	4I	7	GLN	CA-C-O	10.12	131.38	120.55
1	4Q	7	GLN	CA-C-O	10.12	131.38	120.55
1	5Y	7	GLN	CA-C-O	10.12	131.38	120.55
1	6E	7	GLN	CA-C-O	10.12	131.38	120.55
1	6Y	7	GLN	CA-C-O	10.12	131.38	120.55
1	7I	7	GLN	CA-C-O	10.12	131.38	120.55
1	7U	7	GLN	CA-C-O	10.12	131.38	120.55
2	1B	35	PHE	CB-CG-CD1	-10.11	103.52	120.70
2	1J	35	PHE	CB-CG-CD1	-10.11	103.52	120.70
1	1Q	29	TYR	O-C-N	-10.11	109.14	122.59
1	1U	29	TYR	O-C-N	-10.11	109.14	122.59
1	1Y	29	TYR	O-C-N	-10.11	109.14	122.59
2	13	58	LEU	O-C-N	-10.11	109.15	122.59
2	17	58	LEU	O-C-N	-10.11	109.15	122.59
2	2B	58	LEU	O-C-N	-10.11	109.15	122.59
2	2F	35	PHE	CB-CG-CD1	-10.11	103.52	120.70
1	2Q	29	TYR	O-C-N	-10.11	109.14	122.59
1	2U	29	TYR	O-C-N	-10.11	109.14	122.59
1	2Y	29	TYR	O-C-N	-10.11	109.14	122.59
2	27	35	PHE	CB-CG-CD1	-10.11	103.52	120.70
2	3F	35	PHE	CB-CG-CD1	-10.11	103.52	120.70
2	3R	58	LEU	O-C-N	-10.11	109.15	122.59
2	3V	58	LEU	O-C-N	-10.11	109.15	122.59
2	3Z	58	LEU	O-C-N	-10.11	109.15	122.59
2	4B	35	PHE	CB-CG-CD1	-10.11	103.52	120.70
2	4N	35	PHE	CB-CG-CD1	-10.11	103.52	120.70
2	4V	35	PHE	CB-CG-CD1	-10.11	103.52	120.70
1	42	29	TYR	O-C-N	-10.11	109.14	122.59
1	46	29	TYR	O-C-N	-10.11	109.14	122.59
1	5A	29	TYR	O-C-N	-10.11	109.14	122.59
2	5F	58	LEU	O-C-N	-10.11	109.15	122.59
2	5J	58	LEU	O-C-N	-10.11	109.15	122.59
2	5N	58	LEU	O-C-N	-10.11	109.15	122.59
2	5R	35	PHE	CB-CG-CD1	-10.11	103.52	120.70
1	52	29	TYR	O-C-N	-10.11	109.14	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	29	TYR	O-C-N	-10.11	109.14	122.59
1	6A	29	TYR	O-C-N	-10.11	109.14	122.59
2	6J	35	PHE	CB-CG-CD1	-10.11	103.52	120.70
2	6R	35	PHE	CB-CG-CD1	-10.11	103.52	120.70
2	63	58	LEU	O-C-N	-10.11	109.15	122.59
2	67	58	LEU	O-C-N	-10.11	109.15	122.59
2	7B	58	LEU	O-C-N	-10.11	109.15	122.59
2	7N	35	PHE	CB-CG-CD1	-10.11	103.52	120.70
1	1M	48	TYR	CE1-CZ-OH	-10.10	89.60	119.90
1	12	82	ARG	NH1-CZ-NH2	10.10	132.43	119.30
1	16	82	ARG	NH1-CZ-NH2	10.10	132.43	119.30
1	2A	82	ARG	NH1-CZ-NH2	10.10	132.43	119.30
1	2I	48	TYR	CE1-CZ-OH	-10.10	89.60	119.90
1	3A	48	TYR	CE1-CZ-OH	-10.10	89.60	119.90
1	3I	48	TYR	CE1-CZ-OH	-10.10	89.60	119.90
1	3Q	82	ARG	NH1-CZ-NH2	10.10	132.43	119.30
1	3U	82	ARG	NH1-CZ-NH2	10.10	132.43	119.30
1	3Y	82	ARG	NH1-CZ-NH2	10.10	132.43	119.30
1	32	48	TYR	CE1-CZ-OH	-10.10	89.60	119.90
1	4E	48	TYR	CE1-CZ-OH	-10.10	89.60	119.90
1	4Y	48	TYR	CE1-CZ-OH	-10.10	89.60	119.90
1	5E	82	ARG	NH1-CZ-NH2	10.10	132.43	119.30
1	5I	82	ARG	NH1-CZ-NH2	10.10	132.43	119.30
1	5M	82	ARG	NH1-CZ-NH2	10.10	132.43	119.30
1	5U	48	TYR	CE1-CZ-OH	-10.10	89.60	119.90
1	6M	48	TYR	CE1-CZ-OH	-10.10	89.60	119.90
1	6U	48	TYR	CE1-CZ-OH	-10.10	89.60	119.90
1	62	82	ARG	NH1-CZ-NH2	10.10	132.43	119.30
1	66	82	ARG	NH1-CZ-NH2	10.10	132.43	119.30
1	7A	82	ARG	NH1-CZ-NH2	10.10	132.43	119.30
1	7E	48	TYR	CE1-CZ-OH	-10.10	89.60	119.90
1	7Q	48	TYR	CE1-CZ-OH	-10.10	89.60	119.90
1	1E	48	TYR	CE1-CZ-OH	-10.10	89.61	119.90
1	2M	48	TYR	CE1-CZ-OH	-10.10	89.61	119.90
1	22	48	TYR	CE1-CZ-OH	-10.10	89.61	119.90
1	3M	48	TYR	CE1-CZ-OH	-10.10	89.61	119.90
1	36	48	TYR	CE1-CZ-OH	-10.10	89.61	119.90
1	4I	48	TYR	CE1-CZ-OH	-10.10	89.61	119.90
1	4Q	48	TYR	CE1-CZ-OH	-10.10	89.61	119.90
1	5Y	48	TYR	CE1-CZ-OH	-10.10	89.61	119.90
1	6E	48	TYR	CE1-CZ-OH	-10.10	89.61	119.90
1	6Y	48	TYR	CE1-CZ-OH	-10.10	89.61	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	48	TYR	CE1-CZ-OH	-10.10	89.61	119.90
1	7U	48	TYR	CE1-CZ-OH	-10.10	89.61	119.90
1	1M	40	SER	O-C-N	-10.09	110.40	122.81
1	1Q	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	1U	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	1Y	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	12	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	16	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	2A	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	2I	40	SER	O-C-N	-10.09	110.40	122.81
1	2Q	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	2U	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	2Y	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	3A	40	SER	O-C-N	-10.09	110.40	122.81
1	3I	40	SER	O-C-N	-10.09	110.40	122.81
1	3Q	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	3U	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	3Y	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	32	40	SER	O-C-N	-10.09	110.40	122.81
1	4E	40	SER	O-C-N	-10.09	110.40	122.81
1	4Y	40	SER	O-C-N	-10.09	110.40	122.81
1	42	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	46	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	5A	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	5E	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	5I	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	5M	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	5U	40	SER	O-C-N	-10.09	110.40	122.81
1	52	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	56	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	6A	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	6M	40	SER	O-C-N	-10.09	110.40	122.81
1	6U	40	SER	O-C-N	-10.09	110.40	122.81
1	62	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	66	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	7A	48	TYR	CE1-CZ-OH	-10.09	89.62	119.90
1	7E	40	SER	O-C-N	-10.09	110.40	122.81
1	7Q	40	SER	O-C-N	-10.09	110.40	122.81
1	1E	82	ARG	NH1-CZ-NH2	10.09	132.42	119.30
1	2M	82	ARG	NH1-CZ-NH2	10.09	132.42	119.30
1	22	82	ARG	NH1-CZ-NH2	10.09	132.42	119.30
1	3M	82	ARG	NH1-CZ-NH2	10.09	132.42	119.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	82	ARG	NH1-CZ-NH2	10.09	132.42	119.30
1	4I	82	ARG	NH1-CZ-NH2	10.09	132.42	119.30
1	4Q	82	ARG	NH1-CZ-NH2	10.09	132.42	119.30
1	5Y	82	ARG	NH1-CZ-NH2	10.09	132.42	119.30
1	6E	82	ARG	NH1-CZ-NH2	10.09	132.42	119.30
1	6Y	82	ARG	NH1-CZ-NH2	10.09	132.42	119.30
1	7I	82	ARG	NH1-CZ-NH2	10.09	132.42	119.30
1	7U	82	ARG	NH1-CZ-NH2	10.09	132.42	119.30
1	1A	48	TYR	CE1-CZ-OH	-10.09	89.64	119.90
2	1B	58	LEU	O-C-N	-10.09	109.18	122.59
1	1I	48	TYR	CE1-CZ-OH	-10.09	89.64	119.90
2	1J	58	LEU	O-C-N	-10.09	109.18	122.59
1	2E	48	TYR	CE1-CZ-OH	-10.09	89.64	119.90
2	2F	58	LEU	O-C-N	-10.09	109.18	122.59
1	26	48	TYR	CE1-CZ-OH	-10.09	89.64	119.90
2	27	58	LEU	O-C-N	-10.09	109.18	122.59
1	3E	48	TYR	CE1-CZ-OH	-10.09	89.64	119.90
2	3F	58	LEU	O-C-N	-10.09	109.18	122.59
1	4A	48	TYR	CE1-CZ-OH	-10.09	89.64	119.90
2	4B	58	LEU	O-C-N	-10.09	109.18	122.59
1	4M	48	TYR	CE1-CZ-OH	-10.09	89.64	119.90
2	4N	58	LEU	O-C-N	-10.09	109.18	122.59
1	4U	48	TYR	CE1-CZ-OH	-10.09	89.64	119.90
2	4V	58	LEU	O-C-N	-10.09	109.18	122.59
1	5Q	48	TYR	CE1-CZ-OH	-10.09	89.64	119.90
2	5R	58	LEU	O-C-N	-10.09	109.18	122.59
1	6I	48	TYR	CE1-CZ-OH	-10.09	89.64	119.90
2	6J	58	LEU	O-C-N	-10.09	109.18	122.59
1	6Q	48	TYR	CE1-CZ-OH	-10.09	89.64	119.90
2	6R	58	LEU	O-C-N	-10.09	109.18	122.59
1	7M	48	TYR	CE1-CZ-OH	-10.09	89.64	119.90
2	7N	58	LEU	O-C-N	-10.09	109.18	122.59
1	1A	40	SER	O-C-N	-10.08	110.41	122.81
1	1I	40	SER	O-C-N	-10.08	110.41	122.81
1	2E	40	SER	O-C-N	-10.08	110.41	122.81
1	26	40	SER	O-C-N	-10.08	110.41	122.81
1	3E	40	SER	O-C-N	-10.08	110.41	122.81
1	4A	40	SER	O-C-N	-10.08	110.41	122.81
1	4M	40	SER	O-C-N	-10.08	110.41	122.81
1	4U	40	SER	O-C-N	-10.08	110.41	122.81
1	5Q	40	SER	O-C-N	-10.08	110.41	122.81
1	6I	40	SER	O-C-N	-10.08	110.41	122.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	40	SER	O-C-N	-10.08	110.41	122.81
1	7M	40	SER	O-C-N	-10.08	110.41	122.81
2	1F	4	GLU	CB-CA-C	10.08	130.47	110.42
1	12	40	SER	O-C-N	-10.08	110.42	122.81
1	16	40	SER	O-C-N	-10.08	110.42	122.81
1	2A	40	SER	O-C-N	-10.08	110.42	122.81
2	2N	4	GLU	CB-CA-C	10.08	130.47	110.42
2	23	4	GLU	CB-CA-C	10.08	130.47	110.42
2	3N	4	GLU	CB-CA-C	10.08	130.47	110.42
1	3Q	40	SER	O-C-N	-10.08	110.42	122.81
1	3U	40	SER	O-C-N	-10.08	110.42	122.81
1	3Y	40	SER	O-C-N	-10.08	110.42	122.81
2	37	4	GLU	CB-CA-C	10.08	130.47	110.42
2	4J	4	GLU	CB-CA-C	10.08	130.47	110.42
2	4R	4	GLU	CB-CA-C	10.08	130.47	110.42
1	5E	40	SER	O-C-N	-10.08	110.42	122.81
1	5I	40	SER	O-C-N	-10.08	110.42	122.81
1	5M	40	SER	O-C-N	-10.08	110.42	122.81
2	5Z	4	GLU	CB-CA-C	10.08	130.47	110.42
2	6F	4	GLU	CB-CA-C	10.08	130.47	110.42
2	6Z	4	GLU	CB-CA-C	10.08	130.47	110.42
1	62	40	SER	O-C-N	-10.08	110.42	122.81
1	66	40	SER	O-C-N	-10.08	110.42	122.81
1	7A	40	SER	O-C-N	-10.08	110.42	122.81
2	7J	4	GLU	CB-CA-C	10.08	130.47	110.42
2	7V	4	GLU	CB-CA-C	10.08	130.47	110.42
1	1A	82	ARG	NH1-CZ-NH2	10.07	132.40	119.30
1	1I	82	ARG	NH1-CZ-NH2	10.07	132.40	119.30
2	1R	58	LEU	O-C-N	-10.07	109.19	122.59
2	1V	58	LEU	O-C-N	-10.07	109.19	122.59
2	1Z	58	LEU	O-C-N	-10.07	109.19	122.59
1	2E	82	ARG	NH1-CZ-NH2	10.07	132.40	119.30
2	2R	58	LEU	O-C-N	-10.07	109.19	122.59
2	2V	58	LEU	O-C-N	-10.07	109.19	122.59
2	2Z	58	LEU	O-C-N	-10.07	109.19	122.59
1	26	82	ARG	NH1-CZ-NH2	10.07	132.40	119.30
1	3E	82	ARG	NH1-CZ-NH2	10.07	132.40	119.30
1	4A	82	ARG	NH1-CZ-NH2	10.07	132.40	119.30
1	4M	82	ARG	NH1-CZ-NH2	10.07	132.40	119.30
1	4U	82	ARG	NH1-CZ-NH2	10.07	132.40	119.30
2	43	58	LEU	O-C-N	-10.07	109.19	122.59
2	47	58	LEU	O-C-N	-10.07	109.19	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5B	58	LEU	O-C-N	-10.07	109.19	122.59
1	5Q	82	ARG	NH1-CZ-NH2	10.07	132.40	119.30
2	53	58	LEU	O-C-N	-10.07	109.19	122.59
2	57	58	LEU	O-C-N	-10.07	109.19	122.59
2	6B	58	LEU	O-C-N	-10.07	109.19	122.59
1	6I	82	ARG	NH1-CZ-NH2	10.07	132.40	119.30
1	6Q	82	ARG	NH1-CZ-NH2	10.07	132.40	119.30
1	7M	82	ARG	NH1-CZ-NH2	10.07	132.40	119.30
2	1N	58	LEU	O-C-N	-10.07	109.20	122.59
2	13	4	GLU	CB-CA-C	10.07	130.46	110.42
2	17	4	GLU	CB-CA-C	10.07	130.46	110.42
2	2B	4	GLU	CB-CA-C	10.07	130.46	110.42
2	2J	58	LEU	O-C-N	-10.07	109.20	122.59
2	3B	58	LEU	O-C-N	-10.07	109.20	122.59
2	3J	58	LEU	O-C-N	-10.07	109.20	122.59
2	3R	4	GLU	CB-CA-C	10.07	130.46	110.42
2	3V	4	GLU	CB-CA-C	10.07	130.46	110.42
2	3Z	4	GLU	CB-CA-C	10.07	130.46	110.42
2	33	58	LEU	O-C-N	-10.07	109.20	122.59
2	4F	58	LEU	O-C-N	-10.07	109.20	122.59
2	4Z	58	LEU	O-C-N	-10.07	109.20	122.59
2	5F	4	GLU	CB-CA-C	10.07	130.46	110.42
2	5J	4	GLU	CB-CA-C	10.07	130.46	110.42
2	5N	4	GLU	CB-CA-C	10.07	130.46	110.42
2	5V	58	LEU	O-C-N	-10.07	109.20	122.59
2	6N	58	LEU	O-C-N	-10.07	109.20	122.59
2	6V	58	LEU	O-C-N	-10.07	109.20	122.59
2	63	4	GLU	CB-CA-C	10.07	130.46	110.42
2	67	4	GLU	CB-CA-C	10.07	130.46	110.42
2	7B	4	GLU	CB-CA-C	10.07	130.46	110.42
2	7F	58	LEU	O-C-N	-10.07	109.20	122.59
2	7R	58	LEU	O-C-N	-10.07	109.20	122.59
2	1F	58	LEU	O-C-N	-10.07	109.20	122.59
2	2N	58	LEU	O-C-N	-10.07	109.20	122.59
2	23	58	LEU	O-C-N	-10.07	109.20	122.59
2	3N	58	LEU	O-C-N	-10.07	109.20	122.59
2	37	58	LEU	O-C-N	-10.07	109.20	122.59
2	4J	58	LEU	O-C-N	-10.07	109.20	122.59
2	4R	58	LEU	O-C-N	-10.07	109.20	122.59
2	5Z	58	LEU	O-C-N	-10.07	109.20	122.59
2	6F	58	LEU	O-C-N	-10.07	109.20	122.59
2	6Z	58	LEU	O-C-N	-10.07	109.20	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	58	LEU	O-C-N	-10.07	109.20	122.59
2	7V	58	LEU	O-C-N	-10.07	109.20	122.59
1	1E	84	ARG	CA-C-O	10.06	134.90	120.51
1	1M	82	ARG	NH1-CZ-NH2	10.06	132.38	119.30
2	1N	4	GLU	CB-CA-C	10.06	130.44	110.42
1	2I	82	ARG	NH1-CZ-NH2	10.06	132.38	119.30
2	2J	4	GLU	CB-CA-C	10.06	130.44	110.42
1	2M	84	ARG	CA-C-O	10.06	134.90	120.51
1	22	84	ARG	CA-C-O	10.06	134.90	120.51
1	3A	82	ARG	NH1-CZ-NH2	10.06	132.38	119.30
2	3B	4	GLU	CB-CA-C	10.06	130.44	110.42
1	3I	82	ARG	NH1-CZ-NH2	10.06	132.38	119.30
2	3J	4	GLU	CB-CA-C	10.06	130.44	110.42
1	3M	84	ARG	CA-C-O	10.06	134.90	120.51
1	32	82	ARG	NH1-CZ-NH2	10.06	132.38	119.30
2	33	4	GLU	CB-CA-C	10.06	130.44	110.42
1	36	84	ARG	CA-C-O	10.06	134.90	120.51
1	4E	82	ARG	NH1-CZ-NH2	10.06	132.38	119.30
2	4F	4	GLU	CB-CA-C	10.06	130.44	110.42
1	4I	84	ARG	CA-C-O	10.06	134.90	120.51
1	4Q	84	ARG	CA-C-O	10.06	134.90	120.51
1	4Y	82	ARG	NH1-CZ-NH2	10.06	132.38	119.30
2	4Z	4	GLU	CB-CA-C	10.06	130.44	110.42
1	5U	82	ARG	NH1-CZ-NH2	10.06	132.38	119.30
2	5V	4	GLU	CB-CA-C	10.06	130.44	110.42
1	5Y	84	ARG	CA-C-O	10.06	134.90	120.51
1	6E	84	ARG	CA-C-O	10.06	134.90	120.51
1	6M	82	ARG	NH1-CZ-NH2	10.06	132.38	119.30
2	6N	4	GLU	CB-CA-C	10.06	130.44	110.42
1	6U	82	ARG	NH1-CZ-NH2	10.06	132.38	119.30
2	6V	4	GLU	CB-CA-C	10.06	130.44	110.42
1	6Y	84	ARG	CA-C-O	10.06	134.90	120.51
1	7E	82	ARG	NH1-CZ-NH2	10.06	132.38	119.30
2	7F	4	GLU	CB-CA-C	10.06	130.44	110.42
1	7I	84	ARG	CA-C-O	10.06	134.90	120.51
1	7Q	82	ARG	NH1-CZ-NH2	10.06	132.38	119.30
2	7R	4	GLU	CB-CA-C	10.06	130.44	110.42
1	7U	84	ARG	CA-C-O	10.06	134.90	120.51
2	1B	4	GLU	CB-CA-C	10.06	130.44	110.42
2	1J	4	GLU	CB-CA-C	10.06	130.44	110.42
2	2F	4	GLU	CB-CA-C	10.06	130.44	110.42
2	27	4	GLU	CB-CA-C	10.06	130.44	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	4	GLU	CB-CA-C	10.06	130.44	110.42
2	4B	4	GLU	CB-CA-C	10.06	130.44	110.42
2	4N	4	GLU	CB-CA-C	10.06	130.44	110.42
2	4V	4	GLU	CB-CA-C	10.06	130.44	110.42
2	5R	4	GLU	CB-CA-C	10.06	130.44	110.42
2	6J	4	GLU	CB-CA-C	10.06	130.44	110.42
2	6R	4	GLU	CB-CA-C	10.06	130.44	110.42
2	7N	4	GLU	CB-CA-C	10.06	130.44	110.42
2	1R	4	GLU	CB-CA-C	10.06	130.43	110.42
2	1V	4	GLU	CB-CA-C	10.06	130.43	110.42
2	1Z	4	GLU	CB-CA-C	10.06	130.43	110.42
2	2R	4	GLU	CB-CA-C	10.06	130.43	110.42
2	2V	4	GLU	CB-CA-C	10.06	130.43	110.42
2	2Z	4	GLU	CB-CA-C	10.06	130.43	110.42
2	43	4	GLU	CB-CA-C	10.06	130.43	110.42
2	47	4	GLU	CB-CA-C	10.06	130.43	110.42
2	5B	4	GLU	CB-CA-C	10.06	130.43	110.42
2	53	4	GLU	CB-CA-C	10.06	130.43	110.42
2	57	4	GLU	CB-CA-C	10.06	130.43	110.42
2	6B	4	GLU	CB-CA-C	10.06	130.43	110.42
2	1R	56	SER	CB-CA-C	-10.05	92.93	110.72
2	1V	56	SER	CB-CA-C	-10.05	92.93	110.72
2	1Z	56	SER	CB-CA-C	-10.05	92.93	110.72
2	2R	56	SER	CB-CA-C	-10.05	92.93	110.72
2	2V	56	SER	CB-CA-C	-10.05	92.93	110.72
2	2Z	56	SER	CB-CA-C	-10.05	92.93	110.72
2	43	56	SER	CB-CA-C	-10.05	92.93	110.72
2	47	56	SER	CB-CA-C	-10.05	92.93	110.72
2	5B	56	SER	CB-CA-C	-10.05	92.93	110.72
2	53	56	SER	CB-CA-C	-10.05	92.93	110.72
2	57	56	SER	CB-CA-C	-10.05	92.93	110.72
2	6B	56	SER	CB-CA-C	-10.05	92.93	110.72
1	1Q	42	VAL	CA-C-O	-10.05	108.22	120.78
1	1U	42	VAL	CA-C-O	-10.05	108.22	120.78
1	1Y	42	VAL	CA-C-O	-10.05	108.22	120.78
1	2Q	42	VAL	CA-C-O	-10.05	108.22	120.78
1	2U	42	VAL	CA-C-O	-10.05	108.22	120.78
1	2Y	42	VAL	CA-C-O	-10.05	108.22	120.78
1	42	42	VAL	CA-C-O	-10.05	108.22	120.78
1	46	42	VAL	CA-C-O	-10.05	108.22	120.78
1	5A	42	VAL	CA-C-O	-10.05	108.22	120.78
1	52	42	VAL	CA-C-O	-10.05	108.22	120.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	42	VAL	CA-C-O	-10.05	108.22	120.78
1	6A	42	VAL	CA-C-O	-10.05	108.22	120.78
2	13	56	SER	CB-CA-C	-10.05	92.94	110.72
2	17	56	SER	CB-CA-C	-10.05	92.94	110.72
2	2B	56	SER	CB-CA-C	-10.05	92.94	110.72
2	3R	56	SER	CB-CA-C	-10.05	92.94	110.72
2	3V	56	SER	CB-CA-C	-10.05	92.94	110.72
2	3Z	56	SER	CB-CA-C	-10.05	92.94	110.72
2	5F	56	SER	CB-CA-C	-10.05	92.94	110.72
2	5J	56	SER	CB-CA-C	-10.05	92.94	110.72
2	5N	56	SER	CB-CA-C	-10.05	92.94	110.72
2	63	56	SER	CB-CA-C	-10.05	92.94	110.72
2	67	56	SER	CB-CA-C	-10.05	92.94	110.72
2	7B	56	SER	CB-CA-C	-10.05	92.94	110.72
2	1B	56	SER	CB-CA-C	-10.04	92.94	110.72
2	1J	56	SER	CB-CA-C	-10.04	92.94	110.72
2	1N	56	SER	CB-CA-C	-10.04	92.94	110.72
1	1Q	82	ARG	NH1-CZ-NH2	10.04	132.36	119.30
1	1U	82	ARG	NH1-CZ-NH2	10.04	132.36	119.30
1	1Y	82	ARG	NH1-CZ-NH2	10.04	132.36	119.30
2	2F	56	SER	CB-CA-C	-10.04	92.94	110.72
2	2J	56	SER	CB-CA-C	-10.04	92.94	110.72
1	2Q	82	ARG	NH1-CZ-NH2	10.04	132.36	119.30
1	2U	82	ARG	NH1-CZ-NH2	10.04	132.36	119.30
1	2Y	82	ARG	NH1-CZ-NH2	10.04	132.36	119.30
2	27	56	SER	CB-CA-C	-10.04	92.94	110.72
2	3B	56	SER	CB-CA-C	-10.04	92.94	110.72
2	3F	56	SER	CB-CA-C	-10.04	92.94	110.72
2	3J	56	SER	CB-CA-C	-10.04	92.94	110.72
2	33	56	SER	CB-CA-C	-10.04	92.94	110.72
2	4B	56	SER	CB-CA-C	-10.04	92.94	110.72
2	4F	56	SER	CB-CA-C	-10.04	92.94	110.72
2	4N	56	SER	CB-CA-C	-10.04	92.94	110.72
2	4V	56	SER	CB-CA-C	-10.04	92.94	110.72
2	4Z	56	SER	CB-CA-C	-10.04	92.94	110.72
1	42	82	ARG	NH1-CZ-NH2	10.04	132.36	119.30
1	46	82	ARG	NH1-CZ-NH2	10.04	132.36	119.30
1	5A	82	ARG	NH1-CZ-NH2	10.04	132.36	119.30
2	5R	56	SER	CB-CA-C	-10.04	92.94	110.72
2	5V	56	SER	CB-CA-C	-10.04	92.94	110.72
1	52	82	ARG	NH1-CZ-NH2	10.04	132.36	119.30
1	56	82	ARG	NH1-CZ-NH2	10.04	132.36	119.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6A	82	ARG	NH1-CZ-NH2	10.04	132.36	119.30
2	6J	56	SER	CB-CA-C	-10.04	92.94	110.72
2	6N	56	SER	CB-CA-C	-10.04	92.94	110.72
2	6R	56	SER	CB-CA-C	-10.04	92.94	110.72
2	6V	56	SER	CB-CA-C	-10.04	92.94	110.72
2	7F	56	SER	CB-CA-C	-10.04	92.94	110.72
2	7N	56	SER	CB-CA-C	-10.04	92.94	110.72
2	7R	56	SER	CB-CA-C	-10.04	92.94	110.72
1	1E	155	PRO	N-CA-C	10.04	133.15	112.47
1	2M	155	PRO	N-CA-C	10.04	133.15	112.47
1	22	155	PRO	N-CA-C	10.04	133.15	112.47
1	3M	155	PRO	N-CA-C	10.04	133.15	112.47
1	36	155	PRO	N-CA-C	10.04	133.15	112.47
1	4I	155	PRO	N-CA-C	10.04	133.15	112.47
1	4Q	155	PRO	N-CA-C	10.04	133.15	112.47
1	5Y	155	PRO	N-CA-C	10.04	133.15	112.47
1	6E	155	PRO	N-CA-C	10.04	133.15	112.47
1	6Y	155	PRO	N-CA-C	10.04	133.15	112.47
1	7I	155	PRO	N-CA-C	10.04	133.15	112.47
1	7U	155	PRO	N-CA-C	10.04	133.15	112.47
1	1A	42	VAL	CA-C-O	-10.04	108.23	120.78
1	1I	42	VAL	CA-C-O	-10.04	108.23	120.78
1	2E	42	VAL	CA-C-O	-10.04	108.23	120.78
1	26	42	VAL	CA-C-O	-10.04	108.23	120.78
1	3E	42	VAL	CA-C-O	-10.04	108.23	120.78
1	4A	42	VAL	CA-C-O	-10.04	108.23	120.78
1	4M	42	VAL	CA-C-O	-10.04	108.23	120.78
1	4U	42	VAL	CA-C-O	-10.04	108.23	120.78
1	5Q	42	VAL	CA-C-O	-10.04	108.23	120.78
1	6I	42	VAL	CA-C-O	-10.04	108.23	120.78
1	6Q	42	VAL	CA-C-O	-10.04	108.23	120.78
1	7M	42	VAL	CA-C-O	-10.04	108.23	120.78
1	1Q	155	PRO	N-CA-C	10.04	133.15	112.47
1	1U	155	PRO	N-CA-C	10.04	133.15	112.47
1	1Y	155	PRO	N-CA-C	10.04	133.15	112.47
1	2Q	155	PRO	N-CA-C	10.04	133.15	112.47
1	2U	155	PRO	N-CA-C	10.04	133.15	112.47
1	2Y	155	PRO	N-CA-C	10.04	133.15	112.47
1	42	155	PRO	N-CA-C	10.04	133.15	112.47
1	46	155	PRO	N-CA-C	10.04	133.15	112.47
1	5A	155	PRO	N-CA-C	10.04	133.15	112.47
1	52	155	PRO	N-CA-C	10.04	133.15	112.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	155	PRO	N-CA-C	10.04	133.15	112.47
1	6A	155	PRO	N-CA-C	10.04	133.15	112.47
1	1A	84	ARG	CA-C-O	10.03	134.86	120.51
1	1I	84	ARG	CA-C-O	10.03	134.86	120.51
1	2E	84	ARG	CA-C-O	10.03	134.86	120.51
1	26	84	ARG	CA-C-O	10.03	134.86	120.51
1	3E	84	ARG	CA-C-O	10.03	134.86	120.51
1	4A	84	ARG	CA-C-O	10.03	134.86	120.51
1	4M	84	ARG	CA-C-O	10.03	134.86	120.51
1	4U	84	ARG	CA-C-O	10.03	134.86	120.51
1	5Q	84	ARG	CA-C-O	10.03	134.86	120.51
1	6I	84	ARG	CA-C-O	10.03	134.86	120.51
1	6Q	84	ARG	CA-C-O	10.03	134.86	120.51
1	7M	84	ARG	CA-C-O	10.03	134.86	120.51
1	1M	155	PRO	N-CA-C	10.03	133.13	112.47
1	2I	155	PRO	N-CA-C	10.03	133.13	112.47
1	3A	155	PRO	N-CA-C	10.03	133.13	112.47
1	3I	155	PRO	N-CA-C	10.03	133.13	112.47
1	32	155	PRO	N-CA-C	10.03	133.13	112.47
1	4E	155	PRO	N-CA-C	10.03	133.13	112.47
1	4Y	155	PRO	N-CA-C	10.03	133.13	112.47
1	5U	155	PRO	N-CA-C	10.03	133.13	112.47
1	6M	155	PRO	N-CA-C	10.03	133.13	112.47
1	6U	155	PRO	N-CA-C	10.03	133.13	112.47
1	7E	155	PRO	N-CA-C	10.03	133.13	112.47
1	7Q	155	PRO	N-CA-C	10.03	133.13	112.47
1	12	42	VAL	CA-C-O	-10.02	108.25	120.78
1	16	42	VAL	CA-C-O	-10.02	108.25	120.78
1	2A	42	VAL	CA-C-O	-10.02	108.25	120.78
1	3Q	42	VAL	CA-C-O	-10.02	108.25	120.78
1	3U	42	VAL	CA-C-O	-10.02	108.25	120.78
1	3Y	42	VAL	CA-C-O	-10.02	108.25	120.78
1	5E	42	VAL	CA-C-O	-10.02	108.25	120.78
1	5I	42	VAL	CA-C-O	-10.02	108.25	120.78
1	5M	42	VAL	CA-C-O	-10.02	108.25	120.78
1	62	42	VAL	CA-C-O	-10.02	108.25	120.78
1	66	42	VAL	CA-C-O	-10.02	108.25	120.78
1	7A	42	VAL	CA-C-O	-10.02	108.25	120.78
1	1A	155	PRO	N-CA-C	10.02	133.11	112.47
1	1E	42	VAL	CA-C-O	-10.02	108.25	120.78
1	1I	155	PRO	N-CA-C	10.02	133.11	112.47
1	1Q	84	ARG	CA-C-O	10.02	134.84	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1U	84	ARG	CA-C-O	10.02	134.84	120.51
1	1Y	84	ARG	CA-C-O	10.02	134.84	120.51
1	1M	84	ARG	CA-C-O	10.02	134.84	120.51
1	12	155	PRO	N-CA-C	10.02	133.11	112.47
1	16	155	PRO	N-CA-C	10.02	133.11	112.47
1	2A	155	PRO	N-CA-C	10.02	133.11	112.47
1	2E	155	PRO	N-CA-C	10.02	133.11	112.47
1	2M	42	VAL	CA-C-O	-10.02	108.25	120.78
1	2Q	84	ARG	CA-C-O	10.02	134.84	120.51
1	2U	84	ARG	CA-C-O	10.02	134.84	120.51
1	2Y	84	ARG	CA-C-O	10.02	134.84	120.51
1	22	42	VAL	CA-C-O	-10.02	108.25	120.78
1	26	155	PRO	N-CA-C	10.02	133.11	112.47
1	3E	155	PRO	N-CA-C	10.02	133.11	112.47
1	3M	42	VAL	CA-C-O	-10.02	108.25	120.78
1	36	42	VAL	CA-C-O	-10.02	108.25	120.78
1	5Q	155	PRO	N-CA-C	10.02	133.11	112.47
1	5Y	42	VAL	CA-C-O	-10.02	108.25	120.78
1	7M	155	PRO	N-CA-C	10.02	133.11	112.47
1	7U	42	VAL	CA-C-O	-10.02	108.25	120.78
1	2I	84	ARG	CA-C-O	10.02	134.84	120.51
1	3A	84	ARG	CA-C-O	10.02	134.84	120.51
1	3I	84	ARG	CA-C-O	10.02	134.84	120.51
1	3Q	155	PRO	N-CA-C	10.02	133.11	112.47
1	3U	155	PRO	N-CA-C	10.02	133.11	112.47
1	3Y	155	PRO	N-CA-C	10.02	133.11	112.47
1	4A	155	PRO	N-CA-C	10.02	133.11	112.47
1	4I	42	VAL	CA-C-O	-10.02	108.25	120.78
1	4M	155	PRO	N-CA-C	10.02	133.11	112.47
1	4Q	42	VAL	CA-C-O	-10.02	108.25	120.78
1	4U	155	PRO	N-CA-C	10.02	133.11	112.47
1	42	84	ARG	CA-C-O	10.02	134.84	120.51
1	46	84	ARG	CA-C-O	10.02	134.84	120.51
1	5A	84	ARG	CA-C-O	10.02	134.84	120.51
1	52	84	ARG	CA-C-O	10.02	134.84	120.51
1	32	84	ARG	CA-C-O	10.02	134.84	120.51
1	4E	84	ARG	CA-C-O	10.02	134.84	120.51
1	4Y	84	ARG	CA-C-O	10.02	134.84	120.51
1	5E	155	PRO	N-CA-C	10.02	133.11	112.47
1	5I	155	PRO	N-CA-C	10.02	133.11	112.47
1	5M	155	PRO	N-CA-C	10.02	133.11	112.47
1	56	84	ARG	CA-C-O	10.02	134.84	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6A	84	ARG	CA-C-O	10.02	134.84	120.51
1	6E	42	VAL	CA-C-O	-10.02	108.25	120.78
1	6I	155	PRO	N-CA-C	10.02	133.11	112.47
1	6Q	155	PRO	N-CA-C	10.02	133.11	112.47
1	6Y	42	VAL	CA-C-O	-10.02	108.25	120.78
1	5U	84	ARG	CA-C-O	10.02	134.84	120.51
1	6M	84	ARG	CA-C-O	10.02	134.84	120.51
1	6U	84	ARG	CA-C-O	10.02	134.84	120.51
1	62	155	PRO	N-CA-C	10.02	133.11	112.47
1	66	155	PRO	N-CA-C	10.02	133.11	112.47
1	7A	155	PRO	N-CA-C	10.02	133.11	112.47
1	7I	42	VAL	CA-C-O	-10.02	108.25	120.78
1	7E	84	ARG	CA-C-O	10.02	134.84	120.51
1	7Q	84	ARG	CA-C-O	10.02	134.84	120.51
1	12	84	ARG	CA-C-O	10.01	134.83	120.51
1	16	84	ARG	CA-C-O	10.01	134.83	120.51
1	2A	84	ARG	CA-C-O	10.01	134.83	120.51
1	3Q	84	ARG	CA-C-O	10.01	134.83	120.51
1	3U	84	ARG	CA-C-O	10.01	134.83	120.51
1	3Y	84	ARG	CA-C-O	10.01	134.83	120.51
1	5E	84	ARG	CA-C-O	10.01	134.83	120.51
1	5I	84	ARG	CA-C-O	10.01	134.83	120.51
1	5M	84	ARG	CA-C-O	10.01	134.83	120.51
1	62	84	ARG	CA-C-O	10.01	134.83	120.51
1	66	84	ARG	CA-C-O	10.01	134.83	120.51
1	7A	84	ARG	CA-C-O	10.01	134.83	120.51
2	1F	56	SER	CB-CA-C	-10.01	93.00	110.72
2	1F	220	PHE	CB-CA-C	10.01	127.17	109.65
2	1R	220	PHE	CB-CA-C	10.01	127.17	109.65
2	1V	220	PHE	CB-CA-C	10.01	127.17	109.65
2	1Z	220	PHE	CB-CA-C	10.01	127.17	109.65
2	2N	56	SER	CB-CA-C	-10.01	93.00	110.72
2	2N	220	PHE	CB-CA-C	10.01	127.17	109.65
2	2R	220	PHE	CB-CA-C	10.01	127.17	109.65
2	2V	220	PHE	CB-CA-C	10.01	127.17	109.65
2	2Z	220	PHE	CB-CA-C	10.01	127.17	109.65
2	23	56	SER	CB-CA-C	-10.01	93.00	110.72
2	23	220	PHE	CB-CA-C	10.01	127.17	109.65
2	3N	56	SER	CB-CA-C	-10.01	93.00	110.72
2	3N	220	PHE	CB-CA-C	10.01	127.17	109.65
2	37	56	SER	CB-CA-C	-10.01	93.00	110.72
2	37	220	PHE	CB-CA-C	10.01	127.17	109.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4J	56	SER	CB-CA-C	-10.01	93.00	110.72
2	4J	220	PHE	CB-CA-C	10.01	127.17	109.65
2	4R	56	SER	CB-CA-C	-10.01	93.00	110.72
2	4R	220	PHE	CB-CA-C	10.01	127.17	109.65
2	43	220	PHE	CB-CA-C	10.01	127.17	109.65
2	47	220	PHE	CB-CA-C	10.01	127.17	109.65
2	5B	220	PHE	CB-CA-C	10.01	127.17	109.65
2	5Z	56	SER	CB-CA-C	-10.01	93.00	110.72
2	5Z	220	PHE	CB-CA-C	10.01	127.17	109.65
2	53	220	PHE	CB-CA-C	10.01	127.17	109.65
2	57	220	PHE	CB-CA-C	10.01	127.17	109.65
2	6B	220	PHE	CB-CA-C	10.01	127.17	109.65
2	6F	56	SER	CB-CA-C	-10.01	93.00	110.72
2	6F	220	PHE	CB-CA-C	10.01	127.17	109.65
2	6Z	56	SER	CB-CA-C	-10.01	93.00	110.72
2	6Z	220	PHE	CB-CA-C	10.01	127.17	109.65
2	7J	56	SER	CB-CA-C	-10.01	93.00	110.72
2	7J	220	PHE	CB-CA-C	10.01	127.17	109.65
2	7V	56	SER	CB-CA-C	-10.01	93.00	110.72
2	7V	220	PHE	CB-CA-C	10.01	127.17	109.65
1	1M	42	VAL	CA-C-O	-10.00	108.28	120.78
1	2I	42	VAL	CA-C-O	-10.00	108.28	120.78
1	3A	42	VAL	CA-C-O	-10.00	108.28	120.78
1	3I	42	VAL	CA-C-O	-10.00	108.28	120.78
1	32	42	VAL	CA-C-O	-10.00	108.28	120.78
1	4E	42	VAL	CA-C-O	-10.00	108.28	120.78
1	4Y	42	VAL	CA-C-O	-10.00	108.28	120.78
1	5U	42	VAL	CA-C-O	-10.00	108.28	120.78
1	6M	42	VAL	CA-C-O	-10.00	108.28	120.78
1	6U	42	VAL	CA-C-O	-10.00	108.28	120.78
1	7E	42	VAL	CA-C-O	-10.00	108.28	120.78
1	7Q	42	VAL	CA-C-O	-10.00	108.28	120.78
2	13	220	PHE	CB-CA-C	10.00	127.15	109.65
2	17	220	PHE	CB-CA-C	10.00	127.15	109.65
2	2B	220	PHE	CB-CA-C	10.00	127.15	109.65
2	3R	220	PHE	CB-CA-C	10.00	127.15	109.65
2	3V	220	PHE	CB-CA-C	10.00	127.15	109.65
2	3Z	220	PHE	CB-CA-C	10.00	127.15	109.65
2	5F	220	PHE	CB-CA-C	10.00	127.15	109.65
2	5J	220	PHE	CB-CA-C	10.00	127.15	109.65
2	5N	220	PHE	CB-CA-C	10.00	127.15	109.65
2	63	220	PHE	CB-CA-C	10.00	127.15	109.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	220	PHE	CB-CA-C	10.00	127.15	109.65
2	7B	220	PHE	CB-CA-C	10.00	127.15	109.65
2	1B	220	PHE	CB-CA-C	10.00	127.14	109.65
2	1J	220	PHE	CB-CA-C	10.00	127.14	109.65
2	2F	220	PHE	CB-CA-C	10.00	127.14	109.65
2	27	220	PHE	CB-CA-C	10.00	127.14	109.65
2	3F	220	PHE	CB-CA-C	10.00	127.14	109.65
2	4B	220	PHE	CB-CA-C	10.00	127.14	109.65
2	4N	220	PHE	CB-CA-C	10.00	127.14	109.65
2	4V	220	PHE	CB-CA-C	10.00	127.14	109.65
2	5R	220	PHE	CB-CA-C	10.00	127.14	109.65
2	6J	220	PHE	CB-CA-C	10.00	127.14	109.65
2	6R	220	PHE	CB-CA-C	10.00	127.14	109.65
2	7N	220	PHE	CB-CA-C	10.00	127.14	109.65
2	1N	220	PHE	CB-CA-C	9.99	127.14	109.65
2	2J	220	PHE	CB-CA-C	9.99	127.14	109.65
2	3B	220	PHE	CB-CA-C	9.99	127.14	109.65
2	3J	220	PHE	CB-CA-C	9.99	127.14	109.65
2	33	220	PHE	CB-CA-C	9.99	127.14	109.65
2	4F	220	PHE	CB-CA-C	9.99	127.14	109.65
2	4Z	220	PHE	CB-CA-C	9.99	127.14	109.65
2	5V	220	PHE	CB-CA-C	9.99	127.14	109.65
2	6N	220	PHE	CB-CA-C	9.99	127.14	109.65
2	6V	220	PHE	CB-CA-C	9.99	127.14	109.65
2	7F	220	PHE	CB-CA-C	9.99	127.14	109.65
2	7R	220	PHE	CB-CA-C	9.99	127.14	109.65
2	13	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	17	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	2B	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	3R	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	3V	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	3Z	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	5F	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	5J	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	5N	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	63	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	67	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	7B	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	1F	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	1N	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	2J	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	2N	41	PHE	N-CA-CB	-9.99	95.44	110.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	3B	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	3J	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	3N	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	33	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	37	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	4F	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	4J	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	4R	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	4Z	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	5V	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	5Z	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	6F	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	6N	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	6V	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	6Z	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	7F	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	7J	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	7R	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	7V	41	PHE	N-CA-CB	-9.99	95.44	110.12
2	1B	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	1J	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	2F	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	27	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	3F	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	4B	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	4N	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	4V	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	5R	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	6J	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	6R	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	7N	41	PHE	N-CA-CB	-9.98	95.45	110.12
1	1A	66	ARG	N-CA-C	9.98	125.90	109.24
1	1I	66	ARG	N-CA-C	9.98	125.90	109.24
2	1R	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	1V	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	1Z	41	PHE	N-CA-CB	-9.98	95.45	110.12
1	2E	66	ARG	N-CA-C	9.98	125.90	109.24
2	2R	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	2V	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	2Z	41	PHE	N-CA-CB	-9.98	95.45	110.12
1	26	66	ARG	N-CA-C	9.98	125.90	109.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	66	ARG	N-CA-C	9.98	125.90	109.24
1	4A	66	ARG	N-CA-C	9.98	125.90	109.24
1	4M	66	ARG	N-CA-C	9.98	125.90	109.24
1	4U	66	ARG	N-CA-C	9.98	125.90	109.24
2	43	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	47	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	5B	41	PHE	N-CA-CB	-9.98	95.45	110.12
1	5Q	66	ARG	N-CA-C	9.98	125.90	109.24
2	53	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	57	41	PHE	N-CA-CB	-9.98	95.45	110.12
2	6B	41	PHE	N-CA-CB	-9.98	95.45	110.12
1	6I	66	ARG	N-CA-C	9.98	125.90	109.24
1	6Q	66	ARG	N-CA-C	9.98	125.90	109.24
1	7M	66	ARG	N-CA-C	9.98	125.90	109.24
1	1M	66	ARG	N-CA-C	9.97	125.89	109.24
1	2I	66	ARG	N-CA-C	9.97	125.89	109.24
1	3A	66	ARG	N-CA-C	9.97	125.89	109.24
1	3I	66	ARG	N-CA-C	9.97	125.89	109.24
1	32	66	ARG	N-CA-C	9.97	125.89	109.24
1	4E	66	ARG	N-CA-C	9.97	125.89	109.24
1	4Y	66	ARG	N-CA-C	9.97	125.89	109.24
1	5U	66	ARG	N-CA-C	9.97	125.89	109.24
1	6M	66	ARG	N-CA-C	9.97	125.89	109.24
1	6U	66	ARG	N-CA-C	9.97	125.89	109.24
1	7E	66	ARG	N-CA-C	9.97	125.89	109.24
1	7Q	66	ARG	N-CA-C	9.97	125.89	109.24
1	1Q	66	ARG	N-CA-C	9.96	125.88	109.24
1	1U	66	ARG	N-CA-C	9.96	125.88	109.24
1	1Y	66	ARG	N-CA-C	9.96	125.88	109.24
1	12	66	ARG	N-CA-C	9.96	125.88	109.24
1	16	66	ARG	N-CA-C	9.96	125.88	109.24
1	2A	66	ARG	N-CA-C	9.96	125.88	109.24
1	2Q	66	ARG	N-CA-C	9.96	125.88	109.24
1	2U	66	ARG	N-CA-C	9.96	125.88	109.24
1	2Y	66	ARG	N-CA-C	9.96	125.88	109.24
1	3Q	66	ARG	N-CA-C	9.96	125.88	109.24
1	3U	66	ARG	N-CA-C	9.96	125.88	109.24
1	3Y	66	ARG	N-CA-C	9.96	125.88	109.24
1	42	66	ARG	N-CA-C	9.96	125.88	109.24
1	46	66	ARG	N-CA-C	9.96	125.88	109.24
1	5A	66	ARG	N-CA-C	9.96	125.88	109.24
1	5E	66	ARG	N-CA-C	9.96	125.88	109.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5I	66	ARG	N-CA-C	9.96	125.88	109.24
1	5M	66	ARG	N-CA-C	9.96	125.88	109.24
1	52	66	ARG	N-CA-C	9.96	125.88	109.24
1	56	66	ARG	N-CA-C	9.96	125.88	109.24
1	6A	66	ARG	N-CA-C	9.96	125.88	109.24
1	62	66	ARG	N-CA-C	9.96	125.88	109.24
1	66	66	ARG	N-CA-C	9.96	125.88	109.24
1	7A	66	ARG	N-CA-C	9.96	125.88	109.24
1	1E	66	ARG	N-CA-C	9.96	125.87	109.24
1	2M	66	ARG	N-CA-C	9.96	125.87	109.24
1	22	66	ARG	N-CA-C	9.96	125.87	109.24
1	3M	66	ARG	N-CA-C	9.96	125.87	109.24
1	36	66	ARG	N-CA-C	9.96	125.87	109.24
1	4I	66	ARG	N-CA-C	9.96	125.87	109.24
1	4Q	66	ARG	N-CA-C	9.96	125.87	109.24
1	5Y	66	ARG	N-CA-C	9.96	125.87	109.24
1	6E	66	ARG	N-CA-C	9.96	125.87	109.24
1	6Y	66	ARG	N-CA-C	9.96	125.87	109.24
1	7I	66	ARG	N-CA-C	9.96	125.87	109.24
1	7U	66	ARG	N-CA-C	9.96	125.87	109.24
3	1G	30	HIS	CE1-NE2-CD2	-9.95	99.05	109.00
3	2O	30	HIS	CE1-NE2-CD2	-9.95	99.05	109.00
3	24	30	HIS	CE1-NE2-CD2	-9.95	99.05	109.00
3	3O	30	HIS	CE1-NE2-CD2	-9.95	99.05	109.00
3	38	30	HIS	CE1-NE2-CD2	-9.95	99.05	109.00
3	4K	30	HIS	CE1-NE2-CD2	-9.95	99.05	109.00
3	4S	30	HIS	CE1-NE2-CD2	-9.95	99.05	109.00
3	50	30	HIS	CE1-NE2-CD2	-9.95	99.05	109.00
3	6G	30	HIS	CE1-NE2-CD2	-9.95	99.05	109.00
3	60	30	HIS	CE1-NE2-CD2	-9.95	99.05	109.00
3	7K	30	HIS	CE1-NE2-CD2	-9.95	99.05	109.00
3	7W	30	HIS	CE1-NE2-CD2	-9.95	99.05	109.00
2	1R	26	ALA	O-C-N	9.94	133.89	122.16
2	1V	26	ALA	O-C-N	9.94	133.89	122.16
2	1Z	26	ALA	O-C-N	9.94	133.89	122.16
2	2R	26	ALA	O-C-N	9.94	133.89	122.16
2	2V	26	ALA	O-C-N	9.94	133.89	122.16
2	2Z	26	ALA	O-C-N	9.94	133.89	122.16
2	43	26	ALA	O-C-N	9.94	133.89	122.16
2	47	26	ALA	O-C-N	9.94	133.89	122.16
2	5B	26	ALA	O-C-N	9.94	133.89	122.16
2	53	26	ALA	O-C-N	9.94	133.89	122.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	26	ALA	O-C-N	9.94	133.89	122.16
2	6B	26	ALA	O-C-N	9.94	133.89	122.16
1	1A	181	THR	CA-CB-OG1	9.94	124.50	109.60
1	1I	181	THR	CA-CB-OG1	9.94	124.50	109.60
1	2E	181	THR	CA-CB-OG1	9.94	124.50	109.60
1	26	181	THR	CA-CB-OG1	9.94	124.50	109.60
1	3E	181	THR	CA-CB-OG1	9.94	124.50	109.60
1	4A	181	THR	CA-CB-OG1	9.94	124.50	109.60
1	4M	181	THR	CA-CB-OG1	9.94	124.50	109.60
1	4U	181	THR	CA-CB-OG1	9.94	124.50	109.60
1	5Q	181	THR	CA-CB-OG1	9.94	124.50	109.60
1	6I	181	THR	CA-CB-OG1	9.94	124.50	109.60
1	6Q	181	THR	CA-CB-OG1	9.94	124.50	109.60
1	7M	181	THR	CA-CB-OG1	9.94	124.50	109.60
2	1F	218	ARG	CA-C-N	-9.93	110.28	123.10
2	1F	218	ARG	C-N-CA	-9.93	110.28	123.10
2	23	218	ARG	CA-C-N	-9.93	110.28	123.10
1	1M	9	PHE	O-C-N	9.93	136.18	122.77
2	1R	218	ARG	CA-C-N	-9.93	110.29	123.10
2	1R	218	ARG	C-N-CA	-9.93	110.29	123.10
2	1V	218	ARG	CA-C-N	-9.93	110.29	123.10
2	1V	218	ARG	C-N-CA	-9.93	110.29	123.10
2	1Z	218	ARG	CA-C-N	-9.93	110.29	123.10
2	1Z	218	ARG	C-N-CA	-9.93	110.29	123.10
2	13	26	ALA	O-C-N	9.93	133.88	122.16
2	17	26	ALA	O-C-N	9.93	133.88	122.16
2	2B	26	ALA	O-C-N	9.93	133.88	122.16
2	2N	218	ARG	CA-C-N	-9.93	110.28	123.10
2	2N	218	ARG	C-N-CA	-9.93	110.28	123.10
2	5N	26	ALA	O-C-N	9.93	133.88	122.16
1	2I	9	PHE	O-C-N	9.93	136.18	122.77
2	2R	218	ARG	CA-C-N	-9.93	110.29	123.10
2	2R	218	ARG	C-N-CA	-9.93	110.29	123.10
2	2V	218	ARG	CA-C-N	-9.93	110.29	123.10
2	2V	218	ARG	C-N-CA	-9.93	110.29	123.10
2	2Z	218	ARG	CA-C-N	-9.93	110.29	123.10
2	2Z	218	ARG	C-N-CA	-9.93	110.29	123.10
2	23	218	ARG	C-N-CA	-9.93	110.28	123.10
2	3N	218	ARG	CA-C-N	-9.93	110.28	123.10
2	3N	218	ARG	C-N-CA	-9.93	110.28	123.10
2	3R	26	ALA	O-C-N	9.93	133.88	122.16
2	3V	26	ALA	O-C-N	9.93	133.88	122.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3Z	26	ALA	O-C-N	9.93	133.88	122.16
2	37	218	ARG	CA-C-N	-9.93	110.28	123.10
2	37	218	ARG	C-N-CA	-9.93	110.28	123.10
2	4J	218	ARG	CA-C-N	-9.93	110.28	123.10
2	4J	218	ARG	C-N-CA	-9.93	110.28	123.10
2	4R	218	ARG	CA-C-N	-9.93	110.28	123.10
2	4R	218	ARG	C-N-CA	-9.93	110.28	123.10
2	6Z	218	ARG	CA-C-N	-9.93	110.28	123.10
2	6Z	218	ARG	C-N-CA	-9.93	110.28	123.10
1	3A	9	PHE	O-C-N	9.93	136.18	122.77
1	3I	9	PHE	O-C-N	9.93	136.18	122.77
1	32	9	PHE	O-C-N	9.93	136.18	122.77
1	4E	9	PHE	O-C-N	9.93	136.18	122.77
1	4Y	9	PHE	O-C-N	9.93	136.18	122.77
2	43	218	ARG	CA-C-N	-9.93	110.29	123.10
2	43	218	ARG	C-N-CA	-9.93	110.29	123.10
2	47	218	ARG	CA-C-N	-9.93	110.29	123.10
2	47	218	ARG	C-N-CA	-9.93	110.29	123.10
2	5B	218	ARG	CA-C-N	-9.93	110.29	123.10
2	5B	218	ARG	C-N-CA	-9.93	110.29	123.10
2	5F	26	ALA	O-C-N	9.93	133.88	122.16
2	5J	26	ALA	O-C-N	9.93	133.88	122.16
2	5Z	218	ARG	CA-C-N	-9.93	110.28	123.10
2	5Z	218	ARG	C-N-CA	-9.93	110.28	123.10
2	6F	218	ARG	CA-C-N	-9.93	110.28	123.10
2	63	26	ALA	O-C-N	9.93	133.88	122.16
1	5U	9	PHE	O-C-N	9.93	136.18	122.77
2	53	218	ARG	CA-C-N	-9.93	110.29	123.10
2	53	218	ARG	C-N-CA	-9.93	110.29	123.10
2	57	218	ARG	CA-C-N	-9.93	110.29	123.10
2	57	218	ARG	C-N-CA	-9.93	110.29	123.10
2	6B	218	ARG	CA-C-N	-9.93	110.29	123.10
2	6B	218	ARG	C-N-CA	-9.93	110.29	123.10
2	6F	218	ARG	C-N-CA	-9.93	110.28	123.10
2	67	26	ALA	O-C-N	9.93	133.88	122.16
2	7B	26	ALA	O-C-N	9.93	133.88	122.16
2	7J	218	ARG	CA-C-N	-9.93	110.28	123.10
2	7J	218	ARG	C-N-CA	-9.93	110.28	123.10
2	7V	218	ARG	CA-C-N	-9.93	110.28	123.10
2	7V	218	ARG	C-N-CA	-9.93	110.28	123.10
1	6M	9	PHE	O-C-N	9.93	136.18	122.77
1	6U	9	PHE	O-C-N	9.93	136.18	122.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	9	PHE	O-C-N	9.93	136.18	122.77
1	7Q	9	PHE	O-C-N	9.93	136.18	122.77
1	1Q	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	1U	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	1Y	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	2Q	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	2U	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	2Y	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	42	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	46	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	5A	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	52	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	56	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	6A	181	THR	CA-CB-OG1	9.93	124.49	109.60
2	1B	26	ALA	O-C-N	9.93	133.87	122.16
2	1B	218	ARG	CA-C-N	-9.93	110.29	123.10
2	1B	218	ARG	C-N-CA	-9.93	110.29	123.10
2	1J	26	ALA	O-C-N	9.93	133.87	122.16
2	1J	218	ARG	CA-C-N	-9.93	110.29	123.10
2	1J	218	ARG	C-N-CA	-9.93	110.29	123.10
2	2F	26	ALA	O-C-N	9.93	133.87	122.16
2	2F	218	ARG	CA-C-N	-9.93	110.29	123.10
2	2F	218	ARG	C-N-CA	-9.93	110.29	123.10
2	27	26	ALA	O-C-N	9.93	133.87	122.16
2	27	218	ARG	CA-C-N	-9.93	110.29	123.10
2	27	218	ARG	C-N-CA	-9.93	110.29	123.10
2	3F	26	ALA	O-C-N	9.93	133.87	122.16
2	3F	218	ARG	CA-C-N	-9.93	110.29	123.10
2	3F	218	ARG	C-N-CA	-9.93	110.29	123.10
2	4B	26	ALA	O-C-N	9.93	133.87	122.16
2	4B	218	ARG	CA-C-N	-9.93	110.29	123.10
2	4B	218	ARG	C-N-CA	-9.93	110.29	123.10
2	4N	26	ALA	O-C-N	9.93	133.87	122.16
2	4N	218	ARG	CA-C-N	-9.93	110.29	123.10
2	4N	218	ARG	C-N-CA	-9.93	110.29	123.10
2	4V	26	ALA	O-C-N	9.93	133.87	122.16
2	4V	218	ARG	CA-C-N	-9.93	110.29	123.10
2	4V	218	ARG	C-N-CA	-9.93	110.29	123.10
2	5R	26	ALA	O-C-N	9.93	133.87	122.16
2	5R	218	ARG	CA-C-N	-9.93	110.29	123.10
2	5R	218	ARG	C-N-CA	-9.93	110.29	123.10
2	6J	26	ALA	O-C-N	9.93	133.87	122.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6J	218	ARG	CA-C-N	-9.93	110.29	123.10
2	6J	218	ARG	C-N-CA	-9.93	110.29	123.10
2	6R	26	ALA	O-C-N	9.93	133.87	122.16
2	6R	218	ARG	CA-C-N	-9.93	110.29	123.10
2	6R	218	ARG	C-N-CA	-9.93	110.29	123.10
2	7N	26	ALA	O-C-N	9.93	133.87	122.16
2	7N	218	ARG	CA-C-N	-9.93	110.29	123.10
2	7N	218	ARG	C-N-CA	-9.93	110.29	123.10
1	1M	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	2I	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	3A	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	3I	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	32	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	4E	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	4Y	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	5U	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	6M	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	6U	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	7E	181	THR	CA-CB-OG1	9.93	124.49	109.60
1	7Q	181	THR	CA-CB-OG1	9.93	124.49	109.60
2	1N	218	ARG	CA-C-N	-9.92	110.30	123.10
2	1N	218	ARG	C-N-CA	-9.92	110.30	123.10
1	12	9	PHE	O-C-N	9.92	136.17	122.77
3	14	30	HIS	CE1-NE2-CD2	-9.92	99.08	109.00
1	16	9	PHE	O-C-N	9.92	136.17	122.77
3	18	30	HIS	CE1-NE2-CD2	-9.92	99.08	109.00
1	2A	9	PHE	O-C-N	9.92	136.17	122.77
3	2C	30	HIS	CE1-NE2-CD2	-9.92	99.08	109.00
2	2J	218	ARG	CA-C-N	-9.92	110.30	123.10
2	2J	218	ARG	C-N-CA	-9.92	110.30	123.10
2	3B	218	ARG	CA-C-N	-9.92	110.30	123.10
2	3B	218	ARG	C-N-CA	-9.92	110.30	123.10
2	3J	218	ARG	CA-C-N	-9.92	110.30	123.10
2	3J	218	ARG	C-N-CA	-9.92	110.30	123.10
1	3Q	9	PHE	O-C-N	9.92	136.17	122.77
3	3S	30	HIS	CE1-NE2-CD2	-9.92	99.08	109.00
1	3U	9	PHE	O-C-N	9.92	136.17	122.77
3	3W	30	HIS	CE1-NE2-CD2	-9.92	99.08	109.00
1	3Y	9	PHE	O-C-N	9.92	136.17	122.77
3	30	30	HIS	CE1-NE2-CD2	-9.92	99.08	109.00
2	33	218	ARG	CA-C-N	-9.92	110.30	123.10
2	33	218	ARG	C-N-CA	-9.92	110.30	123.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	218	ARG	CA-C-N	-9.92	110.30	123.10
2	4F	218	ARG	C-N-CA	-9.92	110.30	123.10
2	4Z	218	ARG	CA-C-N	-9.92	110.30	123.10
2	4Z	218	ARG	C-N-CA	-9.92	110.30	123.10
1	5E	9	PHE	O-C-N	9.92	136.17	122.77
3	5G	30	HIS	CE1-NE2-CD2	-9.92	99.08	109.00
1	5I	9	PHE	O-C-N	9.92	136.17	122.77
3	5K	30	HIS	CE1-NE2-CD2	-9.92	99.08	109.00
1	5M	9	PHE	O-C-N	9.92	136.17	122.77
3	5O	30	HIS	CE1-NE2-CD2	-9.92	99.08	109.00
2	5V	218	ARG	CA-C-N	-9.92	110.30	123.10
2	5V	218	ARG	C-N-CA	-9.92	110.30	123.10
2	6N	218	ARG	CA-C-N	-9.92	110.30	123.10
2	6N	218	ARG	C-N-CA	-9.92	110.30	123.10
2	6V	218	ARG	CA-C-N	-9.92	110.30	123.10
2	6V	218	ARG	C-N-CA	-9.92	110.30	123.10
1	62	9	PHE	O-C-N	9.92	136.17	122.77
3	64	30	HIS	CE1-NE2-CD2	-9.92	99.08	109.00
1	66	9	PHE	O-C-N	9.92	136.17	122.77
3	68	30	HIS	CE1-NE2-CD2	-9.92	99.08	109.00
1	7A	9	PHE	O-C-N	9.92	136.17	122.77
3	7C	30	HIS	CE1-NE2-CD2	-9.92	99.08	109.00
2	7F	218	ARG	CA-C-N	-9.92	110.30	123.10
2	7F	218	ARG	C-N-CA	-9.92	110.30	123.10
2	7R	218	ARG	CA-C-N	-9.92	110.30	123.10
2	7R	218	ARG	C-N-CA	-9.92	110.30	123.10
2	1F	26	ALA	O-C-N	9.92	133.87	122.16
2	1N	26	ALA	O-C-N	9.92	133.87	122.16
1	1Q	9	PHE	O-C-N	9.92	136.16	122.77
1	1U	9	PHE	O-C-N	9.92	136.16	122.77
1	1Y	9	PHE	O-C-N	9.92	136.16	122.77
2	2J	26	ALA	O-C-N	9.92	133.87	122.16
2	2N	26	ALA	O-C-N	9.92	133.87	122.16
1	2Q	9	PHE	O-C-N	9.92	136.16	122.77
1	2U	9	PHE	O-C-N	9.92	136.16	122.77
1	2Y	9	PHE	O-C-N	9.92	136.16	122.77
2	23	26	ALA	O-C-N	9.92	133.87	122.16
2	3B	26	ALA	O-C-N	9.92	133.87	122.16
2	3J	26	ALA	O-C-N	9.92	133.87	122.16
2	3N	26	ALA	O-C-N	9.92	133.87	122.16
2	33	26	ALA	O-C-N	9.92	133.87	122.16
2	37	26	ALA	O-C-N	9.92	133.87	122.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	26	ALA	O-C-N	9.92	133.87	122.16
2	4J	26	ALA	O-C-N	9.92	133.87	122.16
2	4R	26	ALA	O-C-N	9.92	133.87	122.16
2	4Z	26	ALA	O-C-N	9.92	133.87	122.16
1	42	9	PHE	O-C-N	9.92	136.16	122.77
1	46	9	PHE	O-C-N	9.92	136.16	122.77
1	5A	9	PHE	O-C-N	9.92	136.16	122.77
2	5V	26	ALA	O-C-N	9.92	133.87	122.16
2	5Z	26	ALA	O-C-N	9.92	133.87	122.16
1	52	9	PHE	O-C-N	9.92	136.16	122.77
1	56	9	PHE	O-C-N	9.92	136.16	122.77
1	6A	9	PHE	O-C-N	9.92	136.16	122.77
2	6F	26	ALA	O-C-N	9.92	133.87	122.16
2	6N	26	ALA	O-C-N	9.92	133.87	122.16
2	6V	26	ALA	O-C-N	9.92	133.87	122.16
2	6Z	26	ALA	O-C-N	9.92	133.87	122.16
2	7F	26	ALA	O-C-N	9.92	133.87	122.16
2	7J	26	ALA	O-C-N	9.92	133.87	122.16
2	7R	26	ALA	O-C-N	9.92	133.87	122.16
2	7V	26	ALA	O-C-N	9.92	133.87	122.16
1	12	181	THR	CA-CB-OG1	9.92	124.47	109.60
1	16	181	THR	CA-CB-OG1	9.92	124.47	109.60
1	2A	181	THR	CA-CB-OG1	9.92	124.47	109.60
1	3Q	181	THR	CA-CB-OG1	9.92	124.47	109.60
1	3U	181	THR	CA-CB-OG1	9.92	124.47	109.60
1	3Y	181	THR	CA-CB-OG1	9.92	124.47	109.60
1	5E	181	THR	CA-CB-OG1	9.92	124.47	109.60
1	5I	181	THR	CA-CB-OG1	9.92	124.47	109.60
1	5M	181	THR	CA-CB-OG1	9.92	124.47	109.60
1	62	181	THR	CA-CB-OG1	9.92	124.47	109.60
1	66	181	THR	CA-CB-OG1	9.92	124.47	109.60
1	7A	181	THR	CA-CB-OG1	9.92	124.47	109.60
3	1C	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	1K	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	2G	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	28	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	3G	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	4C	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	4O	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	4W	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	5S	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	6K	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6S	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	7O	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
1	1E	9	PHE	O-C-N	9.91	136.15	122.77
1	2M	9	PHE	O-C-N	9.91	136.15	122.77
1	22	9	PHE	O-C-N	9.91	136.15	122.77
1	3M	9	PHE	O-C-N	9.91	136.15	122.77
1	36	9	PHE	O-C-N	9.91	136.15	122.77
1	4I	9	PHE	O-C-N	9.91	136.15	122.77
1	4Q	9	PHE	O-C-N	9.91	136.15	122.77
1	5Y	9	PHE	O-C-N	9.91	136.15	122.77
1	6E	9	PHE	O-C-N	9.91	136.15	122.77
1	6Y	9	PHE	O-C-N	9.91	136.15	122.77
1	7I	9	PHE	O-C-N	9.91	136.15	122.77
1	7U	9	PHE	O-C-N	9.91	136.15	122.77
1	1A	9	PHE	O-C-N	9.91	136.15	122.77
1	1E	181	THR	CA-CB-OG1	9.91	124.46	109.60
1	1I	9	PHE	O-C-N	9.91	136.15	122.77
1	2E	9	PHE	O-C-N	9.91	136.15	122.77
1	2M	181	THR	CA-CB-OG1	9.91	124.46	109.60
1	22	181	THR	CA-CB-OG1	9.91	124.46	109.60
1	26	9	PHE	O-C-N	9.91	136.15	122.77
1	3E	9	PHE	O-C-N	9.91	136.15	122.77
1	3M	181	THR	CA-CB-OG1	9.91	124.46	109.60
1	36	181	THR	CA-CB-OG1	9.91	124.46	109.60
1	4A	9	PHE	O-C-N	9.91	136.15	122.77
1	4I	181	THR	CA-CB-OG1	9.91	124.46	109.60
1	4M	9	PHE	O-C-N	9.91	136.15	122.77
1	4Q	181	THR	CA-CB-OG1	9.91	124.46	109.60
1	4U	9	PHE	O-C-N	9.91	136.15	122.77
1	5Q	9	PHE	O-C-N	9.91	136.15	122.77
1	5Y	181	THR	CA-CB-OG1	9.91	124.46	109.60
1	6E	181	THR	CA-CB-OG1	9.91	124.46	109.60
1	6I	9	PHE	O-C-N	9.91	136.15	122.77
1	6Q	9	PHE	O-C-N	9.91	136.15	122.77
1	6Y	181	THR	CA-CB-OG1	9.91	124.46	109.60
1	7I	181	THR	CA-CB-OG1	9.91	124.46	109.60
1	7M	9	PHE	O-C-N	9.91	136.15	122.77
1	7U	181	THR	CA-CB-OG1	9.91	124.46	109.60
2	13	218	ARG	CA-C-N	-9.91	110.32	123.10
2	13	218	ARG	C-N-CA	-9.91	110.32	123.10
2	17	218	ARG	CA-C-N	-9.91	110.32	123.10
2	17	218	ARG	C-N-CA	-9.91	110.32	123.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	218	ARG	CA-C-N	-9.91	110.32	123.10
2	2B	218	ARG	C-N-CA	-9.91	110.32	123.10
2	3R	218	ARG	CA-C-N	-9.91	110.32	123.10
2	3R	218	ARG	C-N-CA	-9.91	110.32	123.10
2	3V	218	ARG	CA-C-N	-9.91	110.32	123.10
2	3V	218	ARG	C-N-CA	-9.91	110.32	123.10
2	3Z	218	ARG	CA-C-N	-9.91	110.32	123.10
2	3Z	218	ARG	C-N-CA	-9.91	110.32	123.10
2	5F	218	ARG	CA-C-N	-9.91	110.32	123.10
2	5F	218	ARG	C-N-CA	-9.91	110.32	123.10
2	5J	218	ARG	CA-C-N	-9.91	110.32	123.10
2	5J	218	ARG	C-N-CA	-9.91	110.32	123.10
2	5N	218	ARG	CA-C-N	-9.91	110.32	123.10
2	5N	218	ARG	C-N-CA	-9.91	110.32	123.10
2	63	218	ARG	CA-C-N	-9.91	110.32	123.10
2	63	218	ARG	C-N-CA	-9.91	110.32	123.10
2	67	218	ARG	CA-C-N	-9.91	110.32	123.10
2	67	218	ARG	C-N-CA	-9.91	110.32	123.10
2	7B	218	ARG	CA-C-N	-9.91	110.32	123.10
2	7B	218	ARG	C-N-CA	-9.91	110.32	123.10
3	1S	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	1W	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	10	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	2S	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	2W	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	20	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	44	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	48	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	5C	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	54	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	58	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
3	6C	30	HIS	CE1-NE2-CD2	-9.91	99.09	109.00
4	1H	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	2P	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	25	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	3P	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	39	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	4L	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	4T	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	51	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	6H	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	61	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	7L	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	7X	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	1T	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	1X	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	11	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	2T	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	2X	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	21	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	45	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	49	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	5D	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	55	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	59	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
4	6D	104	HIS	CE1-NE2-CD2	-9.90	99.10	109.00
3	1O	30	HIS	CE1-NE2-CD2	-9.89	99.11	109.00
3	2K	30	HIS	CE1-NE2-CD2	-9.89	99.11	109.00
3	3C	30	HIS	CE1-NE2-CD2	-9.89	99.11	109.00
3	3K	30	HIS	CE1-NE2-CD2	-9.89	99.11	109.00
3	34	30	HIS	CE1-NE2-CD2	-9.89	99.11	109.00
3	4G	30	HIS	CE1-NE2-CD2	-9.89	99.11	109.00
3	40	30	HIS	CE1-NE2-CD2	-9.89	99.11	109.00
3	5W	30	HIS	CE1-NE2-CD2	-9.89	99.11	109.00
3	6O	30	HIS	CE1-NE2-CD2	-9.89	99.11	109.00
3	6W	30	HIS	CE1-NE2-CD2	-9.89	99.11	109.00
3	7G	30	HIS	CE1-NE2-CD2	-9.89	99.11	109.00
3	7S	30	HIS	CE1-NE2-CD2	-9.89	99.11	109.00
1	1Q	22	HIS	CB-CG-CD2	9.88	144.05	131.20
1	1U	22	HIS	CB-CG-CD2	9.88	144.05	131.20
1	1Y	22	HIS	CB-CG-CD2	9.88	144.05	131.20
1	2Q	22	HIS	CB-CG-CD2	9.88	144.05	131.20
1	2U	22	HIS	CB-CG-CD2	9.88	144.05	131.20
1	2Y	22	HIS	CB-CG-CD2	9.88	144.05	131.20
1	42	22	HIS	CB-CG-CD2	9.88	144.05	131.20
1	46	22	HIS	CB-CG-CD2	9.88	144.05	131.20
1	5A	22	HIS	CB-CG-CD2	9.88	144.05	131.20
1	52	22	HIS	CB-CG-CD2	9.88	144.05	131.20
1	56	22	HIS	CB-CG-CD2	9.88	144.05	131.20
1	6A	22	HIS	CB-CG-CD2	9.88	144.05	131.20
2	1F	40	ASN	O-C-N	9.88	135.73	122.59
2	2N	40	ASN	O-C-N	9.88	135.73	122.59
2	23	40	ASN	O-C-N	9.88	135.73	122.59
2	3N	40	ASN	O-C-N	9.88	135.73	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	40	ASN	O-C-N	9.88	135.73	122.59
2	4J	40	ASN	O-C-N	9.88	135.73	122.59
2	4R	40	ASN	O-C-N	9.88	135.73	122.59
2	5Z	40	ASN	O-C-N	9.88	135.73	122.59
2	6F	40	ASN	O-C-N	9.88	135.73	122.59
2	6Z	40	ASN	O-C-N	9.88	135.73	122.59
2	7J	40	ASN	O-C-N	9.88	135.73	122.59
2	7V	40	ASN	O-C-N	9.88	135.73	122.59
4	1D	104	HIS	CE1-NE2-CD2	-9.88	99.12	109.00
4	1L	104	HIS	CE1-NE2-CD2	-9.88	99.12	109.00
4	2H	104	HIS	CE1-NE2-CD2	-9.88	99.12	109.00
4	29	104	HIS	CE1-NE2-CD2	-9.88	99.12	109.00
4	3H	104	HIS	CE1-NE2-CD2	-9.88	99.12	109.00
4	4D	104	HIS	CE1-NE2-CD2	-9.88	99.12	109.00
4	4P	104	HIS	CE1-NE2-CD2	-9.88	99.12	109.00
4	4X	104	HIS	CE1-NE2-CD2	-9.88	99.12	109.00
4	5T	104	HIS	CE1-NE2-CD2	-9.88	99.12	109.00
4	6L	104	HIS	CE1-NE2-CD2	-9.88	99.12	109.00
4	6T	104	HIS	CE1-NE2-CD2	-9.88	99.12	109.00
4	7P	104	HIS	CE1-NE2-CD2	-9.88	99.12	109.00
2	1B	40	ASN	O-C-N	9.88	135.72	122.59
2	1J	40	ASN	O-C-N	9.88	135.72	122.59
2	2F	40	ASN	O-C-N	9.88	135.72	122.59
2	27	40	ASN	O-C-N	9.88	135.72	122.59
2	3F	40	ASN	O-C-N	9.88	135.72	122.59
2	4B	40	ASN	O-C-N	9.88	135.72	122.59
2	4N	40	ASN	O-C-N	9.88	135.72	122.59
2	4V	40	ASN	O-C-N	9.88	135.72	122.59
2	5R	40	ASN	O-C-N	9.88	135.72	122.59
2	6J	40	ASN	O-C-N	9.88	135.72	122.59
2	6R	40	ASN	O-C-N	9.88	135.72	122.59
2	7N	40	ASN	O-C-N	9.88	135.72	122.59
1	1A	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	1I	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	2E	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	26	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	3E	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	4A	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	4M	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	4U	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	5Q	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	6I	80	PHE	CA-CB-CG	-9.87	103.93	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	7M	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	1A	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	1I	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	1M	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	1M	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	2E	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	2I	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	2I	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	26	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	3A	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	3A	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	3E	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	3I	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	3I	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	32	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	32	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	4A	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	4E	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	4E	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	4M	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	4U	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	4Y	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	4Y	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	5Q	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	5U	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	5U	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	6I	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	6M	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	6M	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	6Q	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	6U	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	6U	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	7E	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	7E	80	PHE	CA-CB-CG	-9.87	103.93	113.80
1	7M	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	7Q	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	7Q	80	PHE	CA-CB-CG	-9.87	103.93	113.80
2	1R	40	ASN	O-C-N	9.87	135.71	122.59
2	1V	40	ASN	O-C-N	9.87	135.71	122.59
2	1Z	40	ASN	O-C-N	9.87	135.71	122.59
1	12	22	HIS	CB-CG-CD2	9.87	144.03	131.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	2A	22	HIS	CB-CG-CD2	9.87	144.03	131.20
2	2R	40	ASN	O-C-N	9.87	135.71	122.59
2	2V	40	ASN	O-C-N	9.87	135.71	122.59
2	2Z	40	ASN	O-C-N	9.87	135.71	122.59
1	3Q	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	3U	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	3Y	22	HIS	CB-CG-CD2	9.87	144.03	131.20
2	43	40	ASN	O-C-N	9.87	135.71	122.59
2	47	40	ASN	O-C-N	9.87	135.71	122.59
2	5B	40	ASN	O-C-N	9.87	135.71	122.59
1	5E	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	5I	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	5M	22	HIS	CB-CG-CD2	9.87	144.03	131.20
2	53	40	ASN	O-C-N	9.87	135.71	122.59
2	57	40	ASN	O-C-N	9.87	135.71	122.59
2	6B	40	ASN	O-C-N	9.87	135.71	122.59
1	62	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	66	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	7A	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	1E	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	2M	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	22	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	3M	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	36	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	4I	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	4Q	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	5Y	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	6E	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	6Y	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	7I	22	HIS	CB-CG-CD2	9.87	144.03	131.20
1	7U	22	HIS	CB-CG-CD2	9.87	144.03	131.20
4	1P	104	HIS	CE1-NE2-CD2	-9.86	99.14	109.00
1	1Q	80	PHE	CA-CB-CG	-9.86	103.94	113.80
1	1U	80	PHE	CA-CB-CG	-9.86	103.94	113.80
1	1Y	80	PHE	CA-CB-CG	-9.86	103.94	113.80
4	2L	104	HIS	CE1-NE2-CD2	-9.86	99.14	109.00
1	2Q	80	PHE	CA-CB-CG	-9.86	103.94	113.80
1	2U	80	PHE	CA-CB-CG	-9.86	103.94	113.80
1	2Y	80	PHE	CA-CB-CG	-9.86	103.94	113.80
4	3D	104	HIS	CE1-NE2-CD2	-9.86	99.14	109.00
4	3L	104	HIS	CE1-NE2-CD2	-9.86	99.14	109.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	35	104	HIS	CE1-NE2-CD2	-9.86	99.14	109.00
4	4H	104	HIS	CE1-NE2-CD2	-9.86	99.14	109.00
4	41	104	HIS	CE1-NE2-CD2	-9.86	99.14	109.00
1	42	80	PHE	CA-CB-CG	-9.86	103.94	113.80
1	46	80	PHE	CA-CB-CG	-9.86	103.94	113.80
1	5A	80	PHE	CA-CB-CG	-9.86	103.94	113.80
4	5X	104	HIS	CE1-NE2-CD2	-9.86	99.14	109.00
1	52	80	PHE	CA-CB-CG	-9.86	103.94	113.80
1	56	80	PHE	CA-CB-CG	-9.86	103.94	113.80
1	6A	80	PHE	CA-CB-CG	-9.86	103.94	113.80
4	6P	104	HIS	CE1-NE2-CD2	-9.86	99.14	109.00
4	6X	104	HIS	CE1-NE2-CD2	-9.86	99.14	109.00
4	7H	104	HIS	CE1-NE2-CD2	-9.86	99.14	109.00
4	7T	104	HIS	CE1-NE2-CD2	-9.86	99.14	109.00
2	1F	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	13	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	17	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	2B	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	2N	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	23	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	3N	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	3R	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	3V	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	3Z	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	37	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	4J	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	4R	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	5F	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	5J	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	5N	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	5Z	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	6F	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	6Z	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	63	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	67	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	7B	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	7J	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	7V	225	ASN	CB-CG-OD1	-9.86	101.08	120.80
2	1R	225	ASN	CB-CG-OD1	-9.86	101.09	120.80
2	1V	225	ASN	CB-CG-OD1	-9.86	101.09	120.80
2	1Z	225	ASN	CB-CG-OD1	-9.86	101.09	120.80
2	13	40	ASN	O-C-N	9.86	135.70	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	17	40	ASN	O-C-N	9.86	135.70	122.59
2	2B	40	ASN	O-C-N	9.86	135.70	122.59
2	2R	225	ASN	CB-CG-OD1	-9.86	101.09	120.80
2	2V	225	ASN	CB-CG-OD1	-9.86	101.09	120.80
2	2Z	225	ASN	CB-CG-OD1	-9.86	101.09	120.80
2	3R	40	ASN	O-C-N	9.86	135.70	122.59
2	3V	40	ASN	O-C-N	9.86	135.70	122.59
2	3Z	40	ASN	O-C-N	9.86	135.70	122.59
2	43	225	ASN	CB-CG-OD1	-9.86	101.09	120.80
2	47	225	ASN	CB-CG-OD1	-9.86	101.09	120.80
2	5B	225	ASN	CB-CG-OD1	-9.86	101.09	120.80
2	5F	40	ASN	O-C-N	9.86	135.70	122.59
2	5J	40	ASN	O-C-N	9.86	135.70	122.59
2	5N	40	ASN	O-C-N	9.86	135.70	122.59
2	53	225	ASN	CB-CG-OD1	-9.86	101.09	120.80
2	57	225	ASN	CB-CG-OD1	-9.86	101.09	120.80
2	6B	225	ASN	CB-CG-OD1	-9.86	101.09	120.80
2	63	40	ASN	O-C-N	9.86	135.70	122.59
2	67	40	ASN	O-C-N	9.86	135.70	122.59
2	7B	40	ASN	O-C-N	9.86	135.70	122.59
2	1B	225	ASN	CB-CG-OD1	-9.85	101.09	120.80
2	1J	225	ASN	CB-CG-OD1	-9.85	101.09	120.80
2	1N	40	ASN	O-C-N	9.85	135.69	122.59
2	2F	225	ASN	CB-CG-OD1	-9.85	101.09	120.80
2	2J	40	ASN	O-C-N	9.85	135.69	122.59
2	27	225	ASN	CB-CG-OD1	-9.85	101.09	120.80
2	3B	40	ASN	O-C-N	9.85	135.69	122.59
2	3F	225	ASN	CB-CG-OD1	-9.85	101.09	120.80
2	3J	40	ASN	O-C-N	9.85	135.69	122.59
2	33	40	ASN	O-C-N	9.85	135.69	122.59
2	4B	225	ASN	CB-CG-OD1	-9.85	101.09	120.80
2	4F	40	ASN	O-C-N	9.85	135.69	122.59
2	4N	225	ASN	CB-CG-OD1	-9.85	101.09	120.80
2	4V	225	ASN	CB-CG-OD1	-9.85	101.09	120.80
2	4Z	40	ASN	O-C-N	9.85	135.69	122.59
2	5R	225	ASN	CB-CG-OD1	-9.85	101.09	120.80
2	5V	40	ASN	O-C-N	9.85	135.69	122.59
2	6J	225	ASN	CB-CG-OD1	-9.85	101.09	120.80
2	6N	40	ASN	O-C-N	9.85	135.69	122.59
2	6R	225	ASN	CB-CG-OD1	-9.85	101.09	120.80
2	6V	40	ASN	O-C-N	9.85	135.69	122.59
2	7F	40	ASN	O-C-N	9.85	135.69	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	225	ASN	CB-CG-OD1	-9.85	101.09	120.80
2	7R	40	ASN	O-C-N	9.85	135.69	122.59
1	1A	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	1I	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	12	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	16	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	2A	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	2E	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	26	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	3E	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	3Q	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	3U	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	3Y	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	4A	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	4M	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	4U	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	5E	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	5I	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	5M	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	5Q	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	6I	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	6Q	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	62	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	66	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	7A	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
1	7M	20	GLU	OE1-CD-OE2	-9.84	99.28	122.90
4	15	104	HIS	CE1-NE2-CD2	-9.84	99.16	109.00
4	19	104	HIS	CE1-NE2-CD2	-9.84	99.16	109.00
4	2D	104	HIS	CE1-NE2-CD2	-9.84	99.16	109.00
4	3T	104	HIS	CE1-NE2-CD2	-9.84	99.16	109.00
4	3X	104	HIS	CE1-NE2-CD2	-9.84	99.16	109.00
4	31	104	HIS	CE1-NE2-CD2	-9.84	99.16	109.00
4	5H	104	HIS	CE1-NE2-CD2	-9.84	99.16	109.00
4	5L	104	HIS	CE1-NE2-CD2	-9.84	99.16	109.00
4	5P	104	HIS	CE1-NE2-CD2	-9.84	99.16	109.00
4	65	104	HIS	CE1-NE2-CD2	-9.84	99.16	109.00
4	69	104	HIS	CE1-NE2-CD2	-9.84	99.16	109.00
4	7D	104	HIS	CE1-NE2-CD2	-9.84	99.16	109.00
2	1N	225	ASN	CB-CG-OD1	-9.84	101.12	120.80
2	2J	225	ASN	CB-CG-OD1	-9.84	101.12	120.80
2	3B	225	ASN	CB-CG-OD1	-9.84	101.12	120.80
2	3J	225	ASN	CB-CG-OD1	-9.84	101.12	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	225	ASN	CB-CG-OD1	-9.84	101.12	120.80
2	4F	225	ASN	CB-CG-OD1	-9.84	101.12	120.80
2	4Z	225	ASN	CB-CG-OD1	-9.84	101.12	120.80
2	5V	225	ASN	CB-CG-OD1	-9.84	101.12	120.80
2	6N	225	ASN	CB-CG-OD1	-9.84	101.12	120.80
2	6V	225	ASN	CB-CG-OD1	-9.84	101.12	120.80
2	7F	225	ASN	CB-CG-OD1	-9.84	101.12	120.80
2	7R	225	ASN	CB-CG-OD1	-9.84	101.12	120.80
1	1E	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	1Q	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	1U	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	1Y	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	12	80	PHE	CA-CB-CG	-9.84	103.96	113.80
1	16	80	PHE	CA-CB-CG	-9.84	103.96	113.80
1	2A	80	PHE	CA-CB-CG	-9.84	103.96	113.80
1	2M	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	2Q	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	2U	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	2Y	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	22	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	3M	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	3Q	80	PHE	CA-CB-CG	-9.84	103.96	113.80
1	3U	80	PHE	CA-CB-CG	-9.84	103.96	113.80
1	3Y	80	PHE	CA-CB-CG	-9.84	103.96	113.80
1	36	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	4I	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	4Q	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	42	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	46	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	5A	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	5E	80	PHE	CA-CB-CG	-9.84	103.96	113.80
1	5I	80	PHE	CA-CB-CG	-9.84	103.96	113.80
1	5M	80	PHE	CA-CB-CG	-9.84	103.96	113.80
1	5Y	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	52	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	56	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	6A	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	6E	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	6Y	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	62	80	PHE	CA-CB-CG	-9.84	103.96	113.80
1	66	80	PHE	CA-CB-CG	-9.84	103.96	113.80
1	7A	80	PHE	CA-CB-CG	-9.84	103.96	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	7U	20	GLU	OE1-CD-OE2	-9.84	99.30	122.90
1	1E	80	PHE	CA-CB-CG	-9.83	103.97	113.80
1	2M	80	PHE	CA-CB-CG	-9.83	103.97	113.80
1	22	80	PHE	CA-CB-CG	-9.83	103.97	113.80
1	3M	80	PHE	CA-CB-CG	-9.83	103.97	113.80
1	36	80	PHE	CA-CB-CG	-9.83	103.97	113.80
1	4I	80	PHE	CA-CB-CG	-9.83	103.97	113.80
1	4Q	80	PHE	CA-CB-CG	-9.83	103.97	113.80
1	5Y	80	PHE	CA-CB-CG	-9.83	103.97	113.80
1	6E	80	PHE	CA-CB-CG	-9.83	103.97	113.80
1	6Y	80	PHE	CA-CB-CG	-9.83	103.97	113.80
1	7I	80	PHE	CA-CB-CG	-9.83	103.97	113.80
1	7U	80	PHE	CA-CB-CG	-9.83	103.97	113.80
1	1M	20	GLU	OE1-CD-OE2	-9.83	99.31	122.90
1	2I	20	GLU	OE1-CD-OE2	-9.83	99.31	122.90
1	3A	20	GLU	OE1-CD-OE2	-9.83	99.31	122.90
1	3I	20	GLU	OE1-CD-OE2	-9.83	99.31	122.90
1	32	20	GLU	OE1-CD-OE2	-9.83	99.31	122.90
1	4E	20	GLU	OE1-CD-OE2	-9.83	99.31	122.90
1	4Y	20	GLU	OE1-CD-OE2	-9.83	99.31	122.90
1	5U	20	GLU	OE1-CD-OE2	-9.83	99.31	122.90
1	6M	20	GLU	OE1-CD-OE2	-9.83	99.31	122.90
1	6U	20	GLU	OE1-CD-OE2	-9.83	99.31	122.90
1	7E	20	GLU	OE1-CD-OE2	-9.83	99.31	122.90
1	7Q	20	GLU	OE1-CD-OE2	-9.83	99.31	122.90
1	12	152	SER	N-CA-C	9.82	122.89	111.11
1	16	152	SER	N-CA-C	9.82	122.89	111.11
1	2A	152	SER	N-CA-C	9.82	122.89	111.11
1	3Q	152	SER	N-CA-C	9.82	122.89	111.11
1	3U	152	SER	N-CA-C	9.82	122.89	111.11
1	3Y	152	SER	N-CA-C	9.82	122.89	111.11
1	5E	152	SER	N-CA-C	9.82	122.89	111.11
1	5I	152	SER	N-CA-C	9.82	122.89	111.11
1	5M	152	SER	N-CA-C	9.82	122.89	111.11
1	62	152	SER	N-CA-C	9.82	122.89	111.11
1	66	152	SER	N-CA-C	9.82	122.89	111.11
1	7A	152	SER	N-CA-C	9.82	122.89	111.11
1	1Q	152	SER	N-CA-C	9.82	122.89	111.11
1	1U	152	SER	N-CA-C	9.82	122.89	111.11
1	1Y	152	SER	N-CA-C	9.82	122.89	111.11
1	2Q	152	SER	N-CA-C	9.82	122.89	111.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	152	SER	N-CA-C	9.82	122.89	111.11
1	2Y	152	SER	N-CA-C	9.82	122.89	111.11
1	42	152	SER	N-CA-C	9.82	122.89	111.11
1	46	152	SER	N-CA-C	9.82	122.89	111.11
1	5A	152	SER	N-CA-C	9.82	122.89	111.11
1	52	152	SER	N-CA-C	9.82	122.89	111.11
1	56	152	SER	N-CA-C	9.82	122.89	111.11
1	6A	152	SER	N-CA-C	9.82	122.89	111.11
1	1M	152	SER	N-CA-C	9.80	122.87	111.11
1	2I	152	SER	N-CA-C	9.80	122.87	111.11
1	3A	152	SER	N-CA-C	9.80	122.87	111.11
1	3I	152	SER	N-CA-C	9.80	122.87	111.11
1	32	152	SER	N-CA-C	9.80	122.87	111.11
1	4E	152	SER	N-CA-C	9.80	122.87	111.11
1	4Y	152	SER	N-CA-C	9.80	122.87	111.11
1	5U	152	SER	N-CA-C	9.80	122.87	111.11
1	6M	152	SER	N-CA-C	9.80	122.87	111.11
1	6U	152	SER	N-CA-C	9.80	122.87	111.11
1	7E	152	SER	N-CA-C	9.80	122.87	111.11
1	7Q	152	SER	N-CA-C	9.80	122.87	111.11
2	13	41	PHE	CA-C-O	9.80	130.94	120.55
2	17	41	PHE	CA-C-O	9.80	130.94	120.55
2	2B	41	PHE	CA-C-O	9.80	130.94	120.55
2	3R	41	PHE	CA-C-O	9.80	130.94	120.55
2	3V	41	PHE	CA-C-O	9.80	130.94	120.55
2	3Z	41	PHE	CA-C-O	9.80	130.94	120.55
2	5F	41	PHE	CA-C-O	9.80	130.94	120.55
2	5J	41	PHE	CA-C-O	9.80	130.94	120.55
2	5N	41	PHE	CA-C-O	9.80	130.94	120.55
2	63	41	PHE	CA-C-O	9.80	130.94	120.55
2	67	41	PHE	CA-C-O	9.80	130.94	120.55
2	7B	41	PHE	CA-C-O	9.80	130.94	120.55
1	1M	8	LEU	O-C-N	-9.80	110.88	122.93
1	2I	8	LEU	O-C-N	-9.80	110.88	122.93
1	3A	8	LEU	O-C-N	-9.80	110.88	122.93
1	3I	8	LEU	O-C-N	-9.80	110.88	122.93
1	32	8	LEU	O-C-N	-9.80	110.88	122.93
1	4E	8	LEU	O-C-N	-9.80	110.88	122.93
1	4Y	8	LEU	O-C-N	-9.80	110.88	122.93
1	5U	8	LEU	O-C-N	-9.80	110.88	122.93
1	6M	8	LEU	O-C-N	-9.80	110.88	122.93
1	6U	8	LEU	O-C-N	-9.80	110.88	122.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	8	LEU	O-C-N	-9.80	110.88	122.93
1	7Q	8	LEU	O-C-N	-9.80	110.88	122.93
1	1E	152	SER	N-CA-C	9.80	122.86	111.11
1	2M	152	SER	N-CA-C	9.80	122.86	111.11
1	22	152	SER	N-CA-C	9.80	122.86	111.11
1	3M	152	SER	N-CA-C	9.80	122.86	111.11
1	36	152	SER	N-CA-C	9.80	122.86	111.11
1	4I	152	SER	N-CA-C	9.80	122.86	111.11
1	4Q	152	SER	N-CA-C	9.80	122.86	111.11
1	5Y	152	SER	N-CA-C	9.80	122.86	111.11
1	6E	152	SER	N-CA-C	9.80	122.86	111.11
1	6Y	152	SER	N-CA-C	9.80	122.86	111.11
1	7I	152	SER	N-CA-C	9.80	122.86	111.11
1	7U	152	SER	N-CA-C	9.80	122.86	111.11
2	1F	41	PHE	CA-C-O	9.79	130.93	120.55
2	1R	41	PHE	CA-C-O	9.79	130.93	120.55
2	1V	41	PHE	CA-C-O	9.79	130.93	120.55
2	1Z	41	PHE	CA-C-O	9.79	130.93	120.55
2	2N	41	PHE	CA-C-O	9.79	130.93	120.55
2	2R	41	PHE	CA-C-O	9.79	130.93	120.55
2	2V	41	PHE	CA-C-O	9.79	130.93	120.55
2	2Z	41	PHE	CA-C-O	9.79	130.93	120.55
2	23	41	PHE	CA-C-O	9.79	130.93	120.55
2	3N	41	PHE	CA-C-O	9.79	130.93	120.55
2	37	41	PHE	CA-C-O	9.79	130.93	120.55
2	4J	41	PHE	CA-C-O	9.79	130.93	120.55
2	4R	41	PHE	CA-C-O	9.79	130.93	120.55
2	43	41	PHE	CA-C-O	9.79	130.93	120.55
2	47	41	PHE	CA-C-O	9.79	130.93	120.55
2	5B	41	PHE	CA-C-O	9.79	130.93	120.55
2	5Z	41	PHE	CA-C-O	9.79	130.93	120.55
2	53	41	PHE	CA-C-O	9.79	130.93	120.55
2	57	41	PHE	CA-C-O	9.79	130.93	120.55
2	6B	41	PHE	CA-C-O	9.79	130.93	120.55
2	6F	41	PHE	CA-C-O	9.79	130.93	120.55
2	6Z	41	PHE	CA-C-O	9.79	130.93	120.55
2	7J	41	PHE	CA-C-O	9.79	130.93	120.55
2	7V	41	PHE	CA-C-O	9.79	130.93	120.55
1	1A	152	SER	N-CA-C	9.79	122.86	111.11
1	1I	152	SER	N-CA-C	9.79	122.86	111.11
2	1N	51	GLY	CA-C-O	-9.79	108.43	119.88
1	2E	152	SER	N-CA-C	9.79	122.86	111.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2J	51	GLY	CA-C-O	-9.79	108.43	119.88
1	26	152	SER	N-CA-C	9.79	122.86	111.11
2	3B	51	GLY	CA-C-O	-9.79	108.43	119.88
1	3E	152	SER	N-CA-C	9.79	122.86	111.11
2	3J	51	GLY	CA-C-O	-9.79	108.43	119.88
2	33	51	GLY	CA-C-O	-9.79	108.43	119.88
1	4A	152	SER	N-CA-C	9.79	122.86	111.11
2	4F	51	GLY	CA-C-O	-9.79	108.43	119.88
1	4M	152	SER	N-CA-C	9.79	122.86	111.11
1	4U	152	SER	N-CA-C	9.79	122.86	111.11
2	4Z	51	GLY	CA-C-O	-9.79	108.43	119.88
1	5Q	152	SER	N-CA-C	9.79	122.86	111.11
2	5V	51	GLY	CA-C-O	-9.79	108.43	119.88
1	6I	152	SER	N-CA-C	9.79	122.86	111.11
2	6N	51	GLY	CA-C-O	-9.79	108.43	119.88
1	6Q	152	SER	N-CA-C	9.79	122.86	111.11
2	6V	51	GLY	CA-C-O	-9.79	108.43	119.88
2	7F	51	GLY	CA-C-O	-9.79	108.43	119.88
1	7M	152	SER	N-CA-C	9.79	122.86	111.11
2	7R	51	GLY	CA-C-O	-9.79	108.43	119.88
2	1B	51	GLY	CA-C-O	-9.78	108.44	119.88
2	1J	51	GLY	CA-C-O	-9.78	108.44	119.88
2	2F	51	GLY	CA-C-O	-9.78	108.44	119.88
2	27	51	GLY	CA-C-O	-9.78	108.44	119.88
2	3F	51	GLY	CA-C-O	-9.78	108.44	119.88
2	4B	51	GLY	CA-C-O	-9.78	108.44	119.88
2	4N	51	GLY	CA-C-O	-9.78	108.44	119.88
2	4V	51	GLY	CA-C-O	-9.78	108.44	119.88
2	5R	51	GLY	CA-C-O	-9.78	108.44	119.88
2	6J	51	GLY	CA-C-O	-9.78	108.44	119.88
2	6R	51	GLY	CA-C-O	-9.78	108.44	119.88
2	7N	51	GLY	CA-C-O	-9.78	108.44	119.88
1	1Q	8	LEU	O-C-N	-9.78	110.91	122.93
1	1U	8	LEU	O-C-N	-9.78	110.91	122.93
1	1Y	8	LEU	O-C-N	-9.78	110.91	122.93
1	2Q	8	LEU	O-C-N	-9.78	110.91	122.93
1	2U	8	LEU	O-C-N	-9.78	110.91	122.93
1	2Y	8	LEU	O-C-N	-9.78	110.91	122.93
1	42	8	LEU	O-C-N	-9.78	110.91	122.93
1	46	8	LEU	O-C-N	-9.78	110.91	122.93
1	5A	8	LEU	O-C-N	-9.78	110.91	122.93
1	52	8	LEU	O-C-N	-9.78	110.91	122.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	8	LEU	O-C-N	-9.78	110.91	122.93
1	6A	8	LEU	O-C-N	-9.78	110.91	122.93
2	1B	41	PHE	CA-C-O	9.77	130.91	120.55
2	1F	51	GLY	CA-C-O	-9.77	108.45	119.88
2	1J	41	PHE	CA-C-O	9.77	130.91	120.55
2	1N	41	PHE	CA-C-O	9.77	130.91	120.55
2	2F	41	PHE	CA-C-O	9.77	130.91	120.55
2	2J	41	PHE	CA-C-O	9.77	130.91	120.55
2	2N	51	GLY	CA-C-O	-9.77	108.45	119.88
2	23	51	GLY	CA-C-O	-9.77	108.45	119.88
2	27	41	PHE	CA-C-O	9.77	130.91	120.55
2	3B	41	PHE	CA-C-O	9.77	130.91	120.55
2	3F	41	PHE	CA-C-O	9.77	130.91	120.55
2	3J	41	PHE	CA-C-O	9.77	130.91	120.55
2	3N	51	GLY	CA-C-O	-9.77	108.45	119.88
2	33	41	PHE	CA-C-O	9.77	130.91	120.55
2	37	51	GLY	CA-C-O	-9.77	108.45	119.88
2	4B	41	PHE	CA-C-O	9.77	130.91	120.55
2	4F	41	PHE	CA-C-O	9.77	130.91	120.55
2	4J	51	GLY	CA-C-O	-9.77	108.45	119.88
2	4N	41	PHE	CA-C-O	9.77	130.91	120.55
2	4R	51	GLY	CA-C-O	-9.77	108.45	119.88
2	4V	41	PHE	CA-C-O	9.77	130.91	120.55
2	4Z	41	PHE	CA-C-O	9.77	130.91	120.55
2	5R	41	PHE	CA-C-O	9.77	130.91	120.55
2	5V	41	PHE	CA-C-O	9.77	130.91	120.55
2	5Z	51	GLY	CA-C-O	-9.77	108.45	119.88
2	6F	51	GLY	CA-C-O	-9.77	108.45	119.88
2	6J	41	PHE	CA-C-O	9.77	130.91	120.55
2	6N	41	PHE	CA-C-O	9.77	130.91	120.55
2	6R	41	PHE	CA-C-O	9.77	130.91	120.55
2	6V	41	PHE	CA-C-O	9.77	130.91	120.55
2	6Z	51	GLY	CA-C-O	-9.77	108.45	119.88
2	7F	41	PHE	CA-C-O	9.77	130.91	120.55
2	7J	51	GLY	CA-C-O	-9.77	108.45	119.88
2	7N	41	PHE	CA-C-O	9.77	130.91	120.55
2	7R	41	PHE	CA-C-O	9.77	130.91	120.55
2	7V	51	GLY	CA-C-O	-9.77	108.45	119.88
1	1A	8	LEU	O-C-N	-9.76	110.92	122.93
1	1I	8	LEU	O-C-N	-9.76	110.92	122.93
1	2E	8	LEU	O-C-N	-9.76	110.92	122.93
1	26	8	LEU	O-C-N	-9.76	110.92	122.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	8	LEU	O-C-N	-9.76	110.92	122.93
1	4A	8	LEU	O-C-N	-9.76	110.92	122.93
1	4M	8	LEU	O-C-N	-9.76	110.92	122.93
1	4U	8	LEU	O-C-N	-9.76	110.92	122.93
1	5Q	8	LEU	O-C-N	-9.76	110.92	122.93
1	6I	8	LEU	O-C-N	-9.76	110.92	122.93
1	6Q	8	LEU	O-C-N	-9.76	110.92	122.93
1	7M	8	LEU	O-C-N	-9.76	110.92	122.93
2	1R	51	GLY	CA-C-O	-9.76	108.46	119.88
2	1V	51	GLY	CA-C-O	-9.76	108.46	119.88
2	1Z	51	GLY	CA-C-O	-9.76	108.46	119.88
2	2R	51	GLY	CA-C-O	-9.76	108.46	119.88
2	2V	51	GLY	CA-C-O	-9.76	108.46	119.88
2	2Z	51	GLY	CA-C-O	-9.76	108.46	119.88
2	43	51	GLY	CA-C-O	-9.76	108.46	119.88
2	47	51	GLY	CA-C-O	-9.76	108.46	119.88
2	5B	51	GLY	CA-C-O	-9.76	108.46	119.88
2	53	51	GLY	CA-C-O	-9.76	108.46	119.88
2	57	51	GLY	CA-C-O	-9.76	108.46	119.88
2	6B	51	GLY	CA-C-O	-9.76	108.46	119.88
2	1N	79	VAL	N-CA-C	-9.75	89.05	109.34
2	2J	79	VAL	N-CA-C	-9.75	89.05	109.34
2	3B	79	VAL	N-CA-C	-9.75	89.05	109.34
2	3J	79	VAL	N-CA-C	-9.75	89.05	109.34
2	33	79	VAL	N-CA-C	-9.75	89.05	109.34
2	4F	79	VAL	N-CA-C	-9.75	89.05	109.34
2	4Z	79	VAL	N-CA-C	-9.75	89.05	109.34
2	5V	79	VAL	N-CA-C	-9.75	89.05	109.34
2	6N	79	VAL	N-CA-C	-9.75	89.05	109.34
2	6V	79	VAL	N-CA-C	-9.75	89.05	109.34
2	7F	79	VAL	N-CA-C	-9.75	89.05	109.34
2	7R	79	VAL	N-CA-C	-9.75	89.05	109.34
2	1R	79	VAL	N-CA-C	-9.75	89.06	109.34
2	1V	79	VAL	N-CA-C	-9.75	89.06	109.34
2	1Z	79	VAL	N-CA-C	-9.75	89.06	109.34
1	12	8	LEU	O-C-N	-9.75	110.94	122.93
2	13	51	GLY	CA-C-O	-9.75	108.47	119.88
1	16	8	LEU	O-C-N	-9.75	110.94	122.93
2	17	51	GLY	CA-C-O	-9.75	108.47	119.88
1	2A	8	LEU	O-C-N	-9.75	110.94	122.93
2	2B	51	GLY	CA-C-O	-9.75	108.47	119.88
2	2R	79	VAL	N-CA-C	-9.75	89.06	109.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	79	VAL	N-CA-C	-9.75	89.06	109.34
2	2Z	79	VAL	N-CA-C	-9.75	89.06	109.34
1	3Q	8	LEU	O-C-N	-9.75	110.94	122.93
2	3R	51	GLY	CA-C-O	-9.75	108.47	119.88
1	3U	8	LEU	O-C-N	-9.75	110.94	122.93
2	3V	51	GLY	CA-C-O	-9.75	108.47	119.88
1	3Y	8	LEU	O-C-N	-9.75	110.94	122.93
2	3Z	51	GLY	CA-C-O	-9.75	108.47	119.88
2	43	79	VAL	N-CA-C	-9.75	89.06	109.34
2	47	79	VAL	N-CA-C	-9.75	89.06	109.34
2	5B	79	VAL	N-CA-C	-9.75	89.06	109.34
1	5E	8	LEU	O-C-N	-9.75	110.94	122.93
2	5F	51	GLY	CA-C-O	-9.75	108.47	119.88
1	5I	8	LEU	O-C-N	-9.75	110.94	122.93
2	5J	51	GLY	CA-C-O	-9.75	108.47	119.88
1	5M	8	LEU	O-C-N	-9.75	110.94	122.93
2	5N	51	GLY	CA-C-O	-9.75	108.47	119.88
2	53	79	VAL	N-CA-C	-9.75	89.06	109.34
2	57	79	VAL	N-CA-C	-9.75	89.06	109.34
2	6B	79	VAL	N-CA-C	-9.75	89.06	109.34
1	62	8	LEU	O-C-N	-9.75	110.94	122.93
2	63	51	GLY	CA-C-O	-9.75	108.47	119.88
1	66	8	LEU	O-C-N	-9.75	110.94	122.93
2	67	51	GLY	CA-C-O	-9.75	108.47	119.88
1	7A	8	LEU	O-C-N	-9.75	110.94	122.93
2	7B	51	GLY	CA-C-O	-9.75	108.47	119.88
1	1E	8	LEU	O-C-N	-9.74	110.95	122.93
1	2M	8	LEU	O-C-N	-9.74	110.95	122.93
1	22	8	LEU	O-C-N	-9.74	110.95	122.93
1	3M	8	LEU	O-C-N	-9.74	110.95	122.93
1	36	8	LEU	O-C-N	-9.74	110.95	122.93
1	4I	8	LEU	O-C-N	-9.74	110.95	122.93
1	4Q	8	LEU	O-C-N	-9.74	110.95	122.93
1	5Y	8	LEU	O-C-N	-9.74	110.95	122.93
1	6E	8	LEU	O-C-N	-9.74	110.95	122.93
1	6Y	8	LEU	O-C-N	-9.74	110.95	122.93
1	7I	8	LEU	O-C-N	-9.74	110.95	122.93
1	7U	8	LEU	O-C-N	-9.74	110.95	122.93
2	1B	79	VAL	N-CA-C	-9.74	89.08	109.34
2	1J	79	VAL	N-CA-C	-9.74	89.08	109.34
2	13	79	VAL	N-CA-C	-9.74	89.08	109.34
2	17	79	VAL	N-CA-C	-9.74	89.08	109.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	79	VAL	N-CA-C	-9.74	89.08	109.34
2	2F	79	VAL	N-CA-C	-9.74	89.08	109.34
2	27	79	VAL	N-CA-C	-9.74	89.08	109.34
2	3F	79	VAL	N-CA-C	-9.74	89.08	109.34
2	3R	79	VAL	N-CA-C	-9.74	89.08	109.34
2	3V	79	VAL	N-CA-C	-9.74	89.08	109.34
2	3Z	79	VAL	N-CA-C	-9.74	89.08	109.34
2	4B	79	VAL	N-CA-C	-9.74	89.08	109.34
2	4N	79	VAL	N-CA-C	-9.74	89.08	109.34
2	4V	79	VAL	N-CA-C	-9.74	89.08	109.34
2	5F	79	VAL	N-CA-C	-9.74	89.08	109.34
2	5J	79	VAL	N-CA-C	-9.74	89.08	109.34
2	5N	79	VAL	N-CA-C	-9.74	89.08	109.34
2	5R	79	VAL	N-CA-C	-9.74	89.08	109.34
2	6J	79	VAL	N-CA-C	-9.74	89.08	109.34
2	6R	79	VAL	N-CA-C	-9.74	89.08	109.34
2	63	79	VAL	N-CA-C	-9.74	89.08	109.34
2	67	79	VAL	N-CA-C	-9.74	89.08	109.34
2	7B	79	VAL	N-CA-C	-9.74	89.08	109.34
2	7N	79	VAL	N-CA-C	-9.74	89.08	109.34
2	1F	79	VAL	N-CA-C	-9.72	89.11	109.34
2	2N	79	VAL	N-CA-C	-9.72	89.11	109.34
2	23	79	VAL	N-CA-C	-9.72	89.11	109.34
2	3N	79	VAL	N-CA-C	-9.72	89.11	109.34
2	37	79	VAL	N-CA-C	-9.72	89.11	109.34
2	4J	79	VAL	N-CA-C	-9.72	89.11	109.34
2	4R	79	VAL	N-CA-C	-9.72	89.11	109.34
2	5Z	79	VAL	N-CA-C	-9.72	89.11	109.34
2	6F	79	VAL	N-CA-C	-9.72	89.11	109.34
2	6Z	79	VAL	N-CA-C	-9.72	89.11	109.34
2	7J	79	VAL	N-CA-C	-9.72	89.11	109.34
2	7V	79	VAL	N-CA-C	-9.72	89.11	109.34
3	1S	2	ILE	N-CA-CB	-9.71	100.13	111.39
3	1W	2	ILE	N-CA-CB	-9.71	100.13	111.39
3	10	2	ILE	N-CA-CB	-9.71	100.13	111.39
3	2S	2	ILE	N-CA-CB	-9.71	100.13	111.39
3	2W	2	ILE	N-CA-CB	-9.71	100.13	111.39
3	20	2	ILE	N-CA-CB	-9.71	100.13	111.39
3	44	2	ILE	N-CA-CB	-9.71	100.13	111.39
3	48	2	ILE	N-CA-CB	-9.71	100.13	111.39
3	5C	2	ILE	N-CA-CB	-9.71	100.13	111.39
3	54	2	ILE	N-CA-CB	-9.71	100.13	111.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	58	2	ILE	N-CA-CB	-9.71	100.13	111.39
3	6C	2	ILE	N-CA-CB	-9.71	100.13	111.39
3	1C	2	ILE	N-CA-CB	-9.70	100.14	111.39
3	1K	2	ILE	N-CA-CB	-9.70	100.14	111.39
2	1N	218	ARG	CD-NE-CZ	-9.70	110.83	124.40
3	2G	2	ILE	N-CA-CB	-9.70	100.14	111.39
2	2J	218	ARG	CD-NE-CZ	-9.70	110.83	124.40
3	28	2	ILE	N-CA-CB	-9.70	100.14	111.39
2	3B	218	ARG	CD-NE-CZ	-9.70	110.83	124.40
3	3G	2	ILE	N-CA-CB	-9.70	100.14	111.39
2	3J	218	ARG	CD-NE-CZ	-9.70	110.83	124.40
2	33	218	ARG	CD-NE-CZ	-9.70	110.83	124.40
3	4C	2	ILE	N-CA-CB	-9.70	100.14	111.39
2	4F	218	ARG	CD-NE-CZ	-9.70	110.83	124.40
3	4O	2	ILE	N-CA-CB	-9.70	100.14	111.39
3	4W	2	ILE	N-CA-CB	-9.70	100.14	111.39
2	4Z	218	ARG	CD-NE-CZ	-9.70	110.83	124.40
3	5S	2	ILE	N-CA-CB	-9.70	100.14	111.39
2	5V	218	ARG	CD-NE-CZ	-9.70	110.83	124.40
3	6K	2	ILE	N-CA-CB	-9.70	100.14	111.39
2	6N	218	ARG	CD-NE-CZ	-9.70	110.83	124.40
3	6S	2	ILE	N-CA-CB	-9.70	100.14	111.39
2	6V	218	ARG	CD-NE-CZ	-9.70	110.83	124.40
2	7F	218	ARG	CD-NE-CZ	-9.70	110.83	124.40
3	7O	2	ILE	N-CA-CB	-9.70	100.14	111.39
2	7R	218	ARG	CD-NE-CZ	-9.70	110.83	124.40
2	1B	218	ARG	CD-NE-CZ	-9.69	110.83	124.40
3	1G	2	ILE	N-CA-CB	-9.69	100.15	111.39
3	2O	2	ILE	N-CA-CB	-9.69	100.15	111.39
3	24	2	ILE	N-CA-CB	-9.69	100.15	111.39
3	50	2	ILE	N-CA-CB	-9.69	100.15	111.39
3	6G	2	ILE	N-CA-CB	-9.69	100.15	111.39
1	1E	52	PHE	CA-C-O	-9.69	106.89	120.16
2	1J	218	ARG	CD-NE-CZ	-9.69	110.83	124.40
1	1M	52	PHE	CA-C-O	-9.69	106.89	120.16
3	4S	2	ILE	N-CA-CB	-9.69	100.15	111.39
3	60	2	ILE	N-CA-CB	-9.69	100.15	111.39
3	7K	2	ILE	N-CA-CB	-9.69	100.15	111.39
2	1R	42	HIS	CB-CA-C	-9.69	95.99	111.39
2	1V	42	HIS	CB-CA-C	-9.69	95.99	111.39
2	1Z	42	HIS	CB-CA-C	-9.69	95.99	111.39
2	2F	218	ARG	CD-NE-CZ	-9.69	110.83	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	52	PHE	CA-C-O	-9.69	106.89	120.16
3	4K	2	ILE	N-CA-CB	-9.69	100.15	111.39
1	2M	52	PHE	CA-C-O	-9.69	106.89	120.16
2	2R	42	HIS	CB-CA-C	-9.69	95.99	111.39
2	2V	42	HIS	CB-CA-C	-9.69	95.99	111.39
2	2Z	42	HIS	CB-CA-C	-9.69	95.99	111.39
1	22	52	PHE	CA-C-O	-9.69	106.89	120.16
2	27	218	ARG	CD-NE-CZ	-9.69	110.83	124.40
1	3A	52	PHE	CA-C-O	-9.69	106.89	120.16
2	3F	218	ARG	CD-NE-CZ	-9.69	110.83	124.40
1	3I	52	PHE	CA-C-O	-9.69	106.89	120.16
3	3O	2	ILE	N-CA-CB	-9.69	100.15	111.39
3	38	2	ILE	N-CA-CB	-9.69	100.15	111.39
1	3M	52	PHE	CA-C-O	-9.69	106.89	120.16
1	32	52	PHE	CA-C-O	-9.69	106.89	120.16
1	36	52	PHE	CA-C-O	-9.69	106.89	120.16
2	4B	218	ARG	CD-NE-CZ	-9.69	110.83	124.40
1	4E	52	PHE	CA-C-O	-9.69	106.89	120.16
1	4I	52	PHE	CA-C-O	-9.69	106.89	120.16
2	4N	218	ARG	CD-NE-CZ	-9.69	110.83	124.40
1	4Q	52	PHE	CA-C-O	-9.69	106.89	120.16
2	4V	218	ARG	CD-NE-CZ	-9.69	110.83	124.40
1	4Y	52	PHE	CA-C-O	-9.69	106.89	120.16
2	43	42	HIS	CB-CA-C	-9.69	95.99	111.39
2	47	42	HIS	CB-CA-C	-9.69	95.99	111.39
2	5B	42	HIS	CB-CA-C	-9.69	95.99	111.39
2	5R	218	ARG	CD-NE-CZ	-9.69	110.83	124.40
1	5U	52	PHE	CA-C-O	-9.69	106.89	120.16
1	5Y	52	PHE	CA-C-O	-9.69	106.89	120.16
2	53	42	HIS	CB-CA-C	-9.69	95.99	111.39
2	57	42	HIS	CB-CA-C	-9.69	95.99	111.39
2	6B	42	HIS	CB-CA-C	-9.69	95.99	111.39
1	6E	52	PHE	CA-C-O	-9.69	106.89	120.16
2	6J	218	ARG	CD-NE-CZ	-9.69	110.83	124.40
1	6M	52	PHE	CA-C-O	-9.69	106.89	120.16
2	6R	218	ARG	CD-NE-CZ	-9.69	110.83	124.40
1	6U	52	PHE	CA-C-O	-9.69	106.89	120.16
1	6Y	52	PHE	CA-C-O	-9.69	106.89	120.16
1	7E	52	PHE	CA-C-O	-9.69	106.89	120.16
1	7I	52	PHE	CA-C-O	-9.69	106.89	120.16
2	7N	218	ARG	CD-NE-CZ	-9.69	110.83	124.40
1	7Q	52	PHE	CA-C-O	-9.69	106.89	120.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	7W	2	ILE	N-CA-CB	-9.69	100.15	111.39
1	7U	52	PHE	CA-C-O	-9.69	106.89	120.16
2	13	42	HIS	CB-CA-C	-9.68	96.00	111.39
2	17	42	HIS	CB-CA-C	-9.68	96.00	111.39
2	2B	42	HIS	CB-CA-C	-9.68	96.00	111.39
2	3R	42	HIS	CB-CA-C	-9.68	96.00	111.39
2	3V	42	HIS	CB-CA-C	-9.68	96.00	111.39
2	3Z	42	HIS	CB-CA-C	-9.68	96.00	111.39
2	5F	42	HIS	CB-CA-C	-9.68	96.00	111.39
2	5J	42	HIS	CB-CA-C	-9.68	96.00	111.39
2	5N	42	HIS	CB-CA-C	-9.68	96.00	111.39
2	63	42	HIS	CB-CA-C	-9.68	96.00	111.39
2	67	42	HIS	CB-CA-C	-9.68	96.00	111.39
2	7B	42	HIS	CB-CA-C	-9.68	96.00	111.39
2	1F	218	ARG	CD-NE-CZ	-9.68	110.85	124.40
2	1N	42	HIS	CB-CA-C	-9.68	96.00	111.39
3	1O	2	ILE	N-CA-CB	-9.68	100.16	111.39
2	2J	42	HIS	CB-CA-C	-9.68	96.00	111.39
3	2K	2	ILE	N-CA-CB	-9.68	100.16	111.39
2	2N	218	ARG	CD-NE-CZ	-9.68	110.85	124.40
2	23	218	ARG	CD-NE-CZ	-9.68	110.85	124.40
2	3B	42	HIS	CB-CA-C	-9.68	96.00	111.39
3	3C	2	ILE	N-CA-CB	-9.68	100.16	111.39
2	3J	42	HIS	CB-CA-C	-9.68	96.00	111.39
3	3K	2	ILE	N-CA-CB	-9.68	100.16	111.39
2	3N	218	ARG	CD-NE-CZ	-9.68	110.85	124.40
2	33	42	HIS	CB-CA-C	-9.68	96.00	111.39
3	34	2	ILE	N-CA-CB	-9.68	100.16	111.39
2	37	218	ARG	CD-NE-CZ	-9.68	110.85	124.40
2	4F	42	HIS	CB-CA-C	-9.68	96.00	111.39
3	4G	2	ILE	N-CA-CB	-9.68	100.16	111.39
2	4J	218	ARG	CD-NE-CZ	-9.68	110.85	124.40
2	4R	218	ARG	CD-NE-CZ	-9.68	110.85	124.40
2	4Z	42	HIS	CB-CA-C	-9.68	96.00	111.39
3	40	2	ILE	N-CA-CB	-9.68	100.16	111.39
2	5V	42	HIS	CB-CA-C	-9.68	96.00	111.39
3	5W	2	ILE	N-CA-CB	-9.68	100.16	111.39
2	5Z	218	ARG	CD-NE-CZ	-9.68	110.85	124.40
2	6F	218	ARG	CD-NE-CZ	-9.68	110.85	124.40
2	6N	42	HIS	CB-CA-C	-9.68	96.00	111.39
3	6O	2	ILE	N-CA-CB	-9.68	100.16	111.39
2	6V	42	HIS	CB-CA-C	-9.68	96.00	111.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6W	2	ILE	N-CA-CB	-9.68	100.16	111.39
2	6Z	218	ARG	CD-NE-CZ	-9.68	110.85	124.40
2	7F	42	HIS	CB-CA-C	-9.68	96.00	111.39
3	7G	2	ILE	N-CA-CB	-9.68	100.16	111.39
2	7J	218	ARG	CD-NE-CZ	-9.68	110.85	124.40
2	7R	42	HIS	CB-CA-C	-9.68	96.00	111.39
3	7S	2	ILE	N-CA-CB	-9.68	100.16	111.39
2	7V	218	ARG	CD-NE-CZ	-9.68	110.85	124.40
1	1A	52	PHE	CA-C-O	-9.68	106.91	120.16
1	1I	52	PHE	CA-C-O	-9.68	106.91	120.16
3	14	2	ILE	N-CA-CB	-9.68	100.17	111.39
3	18	2	ILE	N-CA-CB	-9.68	100.17	111.39
3	2C	2	ILE	N-CA-CB	-9.68	100.17	111.39
1	2E	52	PHE	CA-C-O	-9.68	106.91	120.16
1	26	52	PHE	CA-C-O	-9.68	106.91	120.16
1	3E	52	PHE	CA-C-O	-9.68	106.91	120.16
3	3S	2	ILE	N-CA-CB	-9.68	100.17	111.39
3	3W	2	ILE	N-CA-CB	-9.68	100.17	111.39
3	30	2	ILE	N-CA-CB	-9.68	100.17	111.39
1	4A	52	PHE	CA-C-O	-9.68	106.91	120.16
1	4M	52	PHE	CA-C-O	-9.68	106.91	120.16
1	4U	52	PHE	CA-C-O	-9.68	106.91	120.16
3	5G	2	ILE	N-CA-CB	-9.68	100.17	111.39
3	5K	2	ILE	N-CA-CB	-9.68	100.17	111.39
3	5O	2	ILE	N-CA-CB	-9.68	100.17	111.39
1	5Q	52	PHE	CA-C-O	-9.68	106.91	120.16
1	6I	52	PHE	CA-C-O	-9.68	106.91	120.16
1	6Q	52	PHE	CA-C-O	-9.68	106.91	120.16
3	64	2	ILE	N-CA-CB	-9.68	100.17	111.39
3	68	2	ILE	N-CA-CB	-9.68	100.17	111.39
3	7C	2	ILE	N-CA-CB	-9.68	100.17	111.39
1	7M	52	PHE	CA-C-O	-9.68	106.91	120.16
1	1Q	52	PHE	CA-C-O	-9.67	106.91	120.16
1	1U	52	PHE	CA-C-O	-9.67	106.91	120.16
1	1Y	52	PHE	CA-C-O	-9.67	106.91	120.16
1	12	52	PHE	CA-C-O	-9.67	106.91	120.16
1	16	52	PHE	CA-C-O	-9.67	106.91	120.16
1	2A	52	PHE	CA-C-O	-9.67	106.91	120.16
1	2Q	52	PHE	CA-C-O	-9.67	106.91	120.16
1	2U	52	PHE	CA-C-O	-9.67	106.91	120.16
1	2Y	52	PHE	CA-C-O	-9.67	106.91	120.16
1	3Q	52	PHE	CA-C-O	-9.67	106.91	120.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	52	PHE	CA-C-O	-9.67	106.91	120.16
1	3Y	52	PHE	CA-C-O	-9.67	106.91	120.16
1	42	52	PHE	CA-C-O	-9.67	106.91	120.16
1	46	52	PHE	CA-C-O	-9.67	106.91	120.16
1	5A	52	PHE	CA-C-O	-9.67	106.91	120.16
1	5E	52	PHE	CA-C-O	-9.67	106.91	120.16
1	5I	52	PHE	CA-C-O	-9.67	106.91	120.16
1	5M	52	PHE	CA-C-O	-9.67	106.91	120.16
1	52	52	PHE	CA-C-O	-9.67	106.91	120.16
1	56	52	PHE	CA-C-O	-9.67	106.91	120.16
1	6A	52	PHE	CA-C-O	-9.67	106.91	120.16
1	62	52	PHE	CA-C-O	-9.67	106.91	120.16
1	66	52	PHE	CA-C-O	-9.67	106.91	120.16
1	7A	52	PHE	CA-C-O	-9.67	106.91	120.16
2	13	218	ARG	CD-NE-CZ	-9.67	110.86	124.40
2	17	218	ARG	CD-NE-CZ	-9.67	110.86	124.40
2	2B	218	ARG	CD-NE-CZ	-9.67	110.86	124.40
2	3R	218	ARG	CD-NE-CZ	-9.67	110.86	124.40
2	3V	218	ARG	CD-NE-CZ	-9.67	110.86	124.40
2	3Z	218	ARG	CD-NE-CZ	-9.67	110.86	124.40
2	5F	218	ARG	CD-NE-CZ	-9.67	110.86	124.40
2	5J	218	ARG	CD-NE-CZ	-9.67	110.86	124.40
2	5N	218	ARG	CD-NE-CZ	-9.67	110.86	124.40
2	63	218	ARG	CD-NE-CZ	-9.67	110.86	124.40
2	67	218	ARG	CD-NE-CZ	-9.67	110.86	124.40
2	7B	218	ARG	CD-NE-CZ	-9.67	110.86	124.40
2	1B	70	TRP	CD1-NE1-CE2	9.66	126.30	108.90
2	1J	70	TRP	CD1-NE1-CE2	9.66	126.30	108.90
2	2F	70	TRP	CD1-NE1-CE2	9.66	126.30	108.90
2	27	70	TRP	CD1-NE1-CE2	9.66	126.30	108.90
2	3F	70	TRP	CD1-NE1-CE2	9.66	126.30	108.90
2	4B	70	TRP	CD1-NE1-CE2	9.66	126.30	108.90
2	4N	70	TRP	CD1-NE1-CE2	9.66	126.30	108.90
2	4V	70	TRP	CD1-NE1-CE2	9.66	126.30	108.90
2	5R	70	TRP	CD1-NE1-CE2	9.66	126.30	108.90
2	6J	70	TRP	CD1-NE1-CE2	9.66	126.30	108.90
2	6R	70	TRP	CD1-NE1-CE2	9.66	126.30	108.90
2	7N	70	TRP	CD1-NE1-CE2	9.66	126.30	108.90
2	1F	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	1R	218	ARG	CD-NE-CZ	-9.66	110.87	124.40
2	1V	218	ARG	CD-NE-CZ	-9.66	110.87	124.40
2	1Z	218	ARG	CD-NE-CZ	-9.66	110.87	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	2R	218	ARG	CD-NE-CZ	-9.66	110.87	124.40
2	2V	218	ARG	CD-NE-CZ	-9.66	110.87	124.40
2	2Z	218	ARG	CD-NE-CZ	-9.66	110.87	124.40
2	23	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	3N	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	37	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	4J	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	4R	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	43	218	ARG	CD-NE-CZ	-9.66	110.87	124.40
2	47	218	ARG	CD-NE-CZ	-9.66	110.87	124.40
2	5B	218	ARG	CD-NE-CZ	-9.66	110.87	124.40
2	5Z	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	53	218	ARG	CD-NE-CZ	-9.66	110.87	124.40
2	57	218	ARG	CD-NE-CZ	-9.66	110.87	124.40
2	6B	218	ARG	CD-NE-CZ	-9.66	110.87	124.40
2	6F	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	6Z	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	7J	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	7V	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	1B	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	1J	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	13	70	TRP	CD1-NE1-CE2	9.66	126.29	108.90
2	17	70	TRP	CD1-NE1-CE2	9.66	126.29	108.90
2	2B	70	TRP	CD1-NE1-CE2	9.66	126.29	108.90
2	2F	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	27	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	3F	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	3R	70	TRP	CD1-NE1-CE2	9.66	126.29	108.90
2	3V	70	TRP	CD1-NE1-CE2	9.66	126.29	108.90
2	3Z	70	TRP	CD1-NE1-CE2	9.66	126.29	108.90
2	4B	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	4N	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	4V	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	5F	70	TRP	CD1-NE1-CE2	9.66	126.29	108.90
2	5J	70	TRP	CD1-NE1-CE2	9.66	126.29	108.90
2	5N	70	TRP	CD1-NE1-CE2	9.66	126.29	108.90
2	5R	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	6J	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	6R	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	63	70	TRP	CD1-NE1-CE2	9.66	126.29	108.90
2	67	70	TRP	CD1-NE1-CE2	9.66	126.29	108.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7B	70	TRP	CD1-NE1-CE2	9.66	126.29	108.90
2	7N	42	HIS	CB-CA-C	-9.66	96.03	111.39
2	1F	70	TRP	CD1-NE1-CE2	9.65	126.27	108.90
2	2N	70	TRP	CD1-NE1-CE2	9.65	126.27	108.90
2	23	70	TRP	CD1-NE1-CE2	9.65	126.27	108.90
2	3N	70	TRP	CD1-NE1-CE2	9.65	126.27	108.90
2	37	70	TRP	CD1-NE1-CE2	9.65	126.27	108.90
2	4J	70	TRP	CD1-NE1-CE2	9.65	126.27	108.90
2	4R	70	TRP	CD1-NE1-CE2	9.65	126.27	108.90
2	5Z	70	TRP	CD1-NE1-CE2	9.65	126.27	108.90
2	6F	70	TRP	CD1-NE1-CE2	9.65	126.27	108.90
2	6Z	70	TRP	CD1-NE1-CE2	9.65	126.27	108.90
2	7J	70	TRP	CD1-NE1-CE2	9.65	126.27	108.90
2	7V	70	TRP	CD1-NE1-CE2	9.65	126.27	108.90
1	1Q	182	PHE	CA-C-N	-9.65	104.33	121.70
1	1Q	182	PHE	C-N-CA	-9.65	104.33	121.70
1	1U	182	PHE	CA-C-N	-9.65	104.33	121.70
1	1U	182	PHE	C-N-CA	-9.65	104.33	121.70
1	1Y	182	PHE	CA-C-N	-9.65	104.33	121.70
1	1Y	182	PHE	C-N-CA	-9.65	104.33	121.70
1	2Y	182	PHE	C-N-CA	-9.65	104.33	121.70
2	1F	80	GLU	N-CA-CB	9.65	126.40	110.39
2	13	80	GLU	N-CA-CB	9.65	126.41	110.39
2	17	80	GLU	N-CA-CB	9.65	126.41	110.39
2	2B	80	GLU	N-CA-CB	9.65	126.41	110.39
1	2Q	182	PHE	CA-C-N	-9.65	104.33	121.70
1	2Q	182	PHE	C-N-CA	-9.65	104.33	121.70
1	2U	182	PHE	CA-C-N	-9.65	104.33	121.70
1	2U	182	PHE	C-N-CA	-9.65	104.33	121.70
1	2Y	182	PHE	CA-C-N	-9.65	104.33	121.70
1	46	182	PHE	CA-C-N	-9.65	104.33	121.70
1	46	182	PHE	C-N-CA	-9.65	104.33	121.70
2	2N	80	GLU	N-CA-CB	9.65	126.40	110.39
2	23	80	GLU	N-CA-CB	9.65	126.40	110.39
2	3N	80	GLU	N-CA-CB	9.65	126.40	110.39
2	3R	80	GLU	N-CA-CB	9.65	126.41	110.39
2	3V	80	GLU	N-CA-CB	9.65	126.41	110.39
2	3Z	80	GLU	N-CA-CB	9.65	126.41	110.39
1	42	182	PHE	CA-C-N	-9.65	104.33	121.70
1	42	182	PHE	C-N-CA	-9.65	104.33	121.70
1	5A	182	PHE	CA-C-N	-9.65	104.33	121.70
1	5A	182	PHE	C-N-CA	-9.65	104.33	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	52	182	PHE	CA-C-N	-9.65	104.33	121.70
2	37	80	GLU	N-CA-CB	9.65	126.40	110.39
2	4J	80	GLU	N-CA-CB	9.65	126.40	110.39
2	4R	80	GLU	N-CA-CB	9.65	126.40	110.39
2	5F	80	GLU	N-CA-CB	9.65	126.41	110.39
2	5J	80	GLU	N-CA-CB	9.65	126.41	110.39
2	5N	80	GLU	N-CA-CB	9.65	126.41	110.39
1	52	182	PHE	C-N-CA	-9.65	104.33	121.70
1	56	182	PHE	CA-C-N	-9.65	104.33	121.70
1	56	182	PHE	C-N-CA	-9.65	104.33	121.70
1	6A	182	PHE	CA-C-N	-9.65	104.33	121.70
1	6A	182	PHE	C-N-CA	-9.65	104.33	121.70
2	5Z	80	GLU	N-CA-CB	9.65	126.40	110.39
2	6F	80	GLU	N-CA-CB	9.65	126.40	110.39
2	6Z	80	GLU	N-CA-CB	9.65	126.40	110.39
2	63	80	GLU	N-CA-CB	9.65	126.41	110.39
2	67	80	GLU	N-CA-CB	9.65	126.41	110.39
2	7B	80	GLU	N-CA-CB	9.65	126.41	110.39
2	7J	80	GLU	N-CA-CB	9.65	126.40	110.39
2	7V	80	GLU	N-CA-CB	9.65	126.40	110.39
2	1N	70	TRP	CD1-NE1-CE2	9.64	126.26	108.90
2	2J	70	TRP	CD1-NE1-CE2	9.64	126.26	108.90
2	3B	70	TRP	CD1-NE1-CE2	9.64	126.26	108.90
2	3J	70	TRP	CD1-NE1-CE2	9.64	126.26	108.90
2	33	70	TRP	CD1-NE1-CE2	9.64	126.26	108.90
2	4F	70	TRP	CD1-NE1-CE2	9.64	126.26	108.90
2	4Z	70	TRP	CD1-NE1-CE2	9.64	126.26	108.90
2	5V	70	TRP	CD1-NE1-CE2	9.64	126.26	108.90
2	6N	70	TRP	CD1-NE1-CE2	9.64	126.26	108.90
2	6V	70	TRP	CD1-NE1-CE2	9.64	126.26	108.90
2	7F	70	TRP	CD1-NE1-CE2	9.64	126.26	108.90
2	7R	70	TRP	CD1-NE1-CE2	9.64	126.26	108.90
2	1R	70	TRP	CD1-NE1-CE2	9.64	126.25	108.90
2	1V	70	TRP	CD1-NE1-CE2	9.64	126.25	108.90
2	1Z	70	TRP	CD1-NE1-CE2	9.64	126.25	108.90
1	12	182	PHE	CA-C-N	-9.64	104.35	121.70
1	12	182	PHE	C-N-CA	-9.64	104.35	121.70
1	16	182	PHE	CA-C-N	-9.64	104.35	121.70
1	16	182	PHE	C-N-CA	-9.64	104.35	121.70
1	2A	182	PHE	CA-C-N	-9.64	104.35	121.70
1	2A	182	PHE	C-N-CA	-9.64	104.35	121.70
2	2R	70	TRP	CD1-NE1-CE2	9.64	126.25	108.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	70	TRP	CD1-NE1-CE2	9.64	126.25	108.90
2	2Z	70	TRP	CD1-NE1-CE2	9.64	126.25	108.90
1	3Q	182	PHE	CA-C-N	-9.64	104.35	121.70
1	3Q	182	PHE	C-N-CA	-9.64	104.35	121.70
1	3U	182	PHE	CA-C-N	-9.64	104.35	121.70
1	3U	182	PHE	C-N-CA	-9.64	104.35	121.70
1	3Y	182	PHE	CA-C-N	-9.64	104.35	121.70
1	3Y	182	PHE	C-N-CA	-9.64	104.35	121.70
2	43	70	TRP	CD1-NE1-CE2	9.64	126.25	108.90
2	47	70	TRP	CD1-NE1-CE2	9.64	126.25	108.90
2	5B	70	TRP	CD1-NE1-CE2	9.64	126.25	108.90
1	5E	182	PHE	CA-C-N	-9.64	104.35	121.70
1	5E	182	PHE	C-N-CA	-9.64	104.35	121.70
1	5I	182	PHE	CA-C-N	-9.64	104.35	121.70
1	5I	182	PHE	C-N-CA	-9.64	104.35	121.70
1	5M	182	PHE	CA-C-N	-9.64	104.35	121.70
1	5M	182	PHE	C-N-CA	-9.64	104.35	121.70
2	53	70	TRP	CD1-NE1-CE2	9.64	126.25	108.90
2	57	70	TRP	CD1-NE1-CE2	9.64	126.25	108.90
2	6B	70	TRP	CD1-NE1-CE2	9.64	126.25	108.90
1	62	182	PHE	CA-C-N	-9.64	104.35	121.70
1	62	182	PHE	C-N-CA	-9.64	104.35	121.70
1	66	182	PHE	CA-C-N	-9.64	104.35	121.70
1	66	182	PHE	C-N-CA	-9.64	104.35	121.70
1	7A	182	PHE	CA-C-N	-9.64	104.35	121.70
1	7A	182	PHE	C-N-CA	-9.64	104.35	121.70
1	1A	182	PHE	CA-C-N	-9.64	104.35	121.70
1	1A	182	PHE	C-N-CA	-9.64	104.35	121.70
1	1I	182	PHE	CA-C-N	-9.64	104.35	121.70
1	1I	182	PHE	C-N-CA	-9.64	104.35	121.70
1	2E	182	PHE	CA-C-N	-9.64	104.35	121.70
1	2E	182	PHE	C-N-CA	-9.64	104.35	121.70
1	26	182	PHE	CA-C-N	-9.64	104.35	121.70
1	26	182	PHE	C-N-CA	-9.64	104.35	121.70
1	3E	182	PHE	CA-C-N	-9.64	104.35	121.70
1	3E	182	PHE	C-N-CA	-9.64	104.35	121.70
1	4A	182	PHE	CA-C-N	-9.64	104.35	121.70
1	4A	182	PHE	C-N-CA	-9.64	104.35	121.70
1	4M	182	PHE	CA-C-N	-9.64	104.35	121.70
1	4M	182	PHE	C-N-CA	-9.64	104.35	121.70
1	4U	182	PHE	CA-C-N	-9.64	104.35	121.70
1	4U	182	PHE	C-N-CA	-9.64	104.35	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Q	182	PHE	CA-C-N	-9.64	104.35	121.70
1	5Q	182	PHE	C-N-CA	-9.64	104.35	121.70
1	6I	182	PHE	CA-C-N	-9.64	104.35	121.70
1	6I	182	PHE	C-N-CA	-9.64	104.35	121.70
1	6Q	182	PHE	CA-C-N	-9.64	104.35	121.70
1	6Q	182	PHE	C-N-CA	-9.64	104.35	121.70
1	7M	182	PHE	CA-C-N	-9.64	104.35	121.70
1	7M	182	PHE	C-N-CA	-9.64	104.35	121.70
2	1N	70	TRP	CD2-CE2-CZ2	-9.63	112.77	122.40
2	2J	70	TRP	CD2-CE2-CZ2	-9.63	112.77	122.40
2	3B	70	TRP	CD2-CE2-CZ2	-9.63	112.77	122.40
2	3J	70	TRP	CD2-CE2-CZ2	-9.63	112.77	122.40
2	33	70	TRP	CD2-CE2-CZ2	-9.63	112.77	122.40
2	4F	70	TRP	CD2-CE2-CZ2	-9.63	112.77	122.40
2	4Z	70	TRP	CD2-CE2-CZ2	-9.63	112.77	122.40
2	5V	70	TRP	CD2-CE2-CZ2	-9.63	112.77	122.40
2	6N	70	TRP	CD2-CE2-CZ2	-9.63	112.77	122.40
2	6V	70	TRP	CD2-CE2-CZ2	-9.63	112.77	122.40
2	7F	70	TRP	CD2-CE2-CZ2	-9.63	112.77	122.40
2	7R	70	TRP	CD2-CE2-CZ2	-9.63	112.77	122.40
1	1Q	181	THR	CA-C-N	-9.63	105.87	123.01
1	1Q	181	THR	C-N-CA	-9.63	105.87	123.01
1	1U	181	THR	CA-C-N	-9.63	105.87	123.01
1	1U	181	THR	C-N-CA	-9.63	105.87	123.01
1	1Y	181	THR	CA-C-N	-9.63	105.87	123.01
1	1Y	181	THR	C-N-CA	-9.63	105.87	123.01
1	2Q	181	THR	CA-C-N	-9.63	105.87	123.01
1	2Q	181	THR	C-N-CA	-9.63	105.87	123.01
1	2U	181	THR	CA-C-N	-9.63	105.87	123.01
1	2U	181	THR	C-N-CA	-9.63	105.87	123.01
1	2Y	181	THR	CA-C-N	-9.63	105.87	123.01
1	2Y	181	THR	C-N-CA	-9.63	105.87	123.01
1	42	181	THR	CA-C-N	-9.63	105.87	123.01
1	42	181	THR	C-N-CA	-9.63	105.87	123.01
1	46	181	THR	CA-C-N	-9.63	105.87	123.01
1	46	181	THR	C-N-CA	-9.63	105.87	123.01
1	5A	181	THR	CA-C-N	-9.63	105.87	123.01
1	5A	181	THR	C-N-CA	-9.63	105.87	123.01
1	52	181	THR	CA-C-N	-9.63	105.87	123.01
1	52	181	THR	C-N-CA	-9.63	105.87	123.01
1	56	181	THR	CA-C-N	-9.63	105.87	123.01
1	56	181	THR	C-N-CA	-9.63	105.87	123.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6A	181	THR	CA-C-N	-9.63	105.87	123.01
1	6A	181	THR	C-N-CA	-9.63	105.87	123.01
1	1M	181	THR	CA-C-N	-9.62	105.88	123.01
1	1M	181	THR	C-N-CA	-9.62	105.88	123.01
1	2I	181	THR	CA-C-N	-9.62	105.88	123.01
1	2I	181	THR	C-N-CA	-9.62	105.88	123.01
1	3A	181	THR	CA-C-N	-9.62	105.88	123.01
1	3A	181	THR	C-N-CA	-9.62	105.88	123.01
1	3I	181	THR	CA-C-N	-9.62	105.88	123.01
1	3I	181	THR	C-N-CA	-9.62	105.88	123.01
1	32	181	THR	CA-C-N	-9.62	105.88	123.01
1	32	181	THR	C-N-CA	-9.62	105.88	123.01
1	4E	181	THR	CA-C-N	-9.62	105.88	123.01
1	4E	181	THR	C-N-CA	-9.62	105.88	123.01
1	4Y	181	THR	CA-C-N	-9.62	105.88	123.01
1	4Y	181	THR	C-N-CA	-9.62	105.88	123.01
1	5U	181	THR	CA-C-N	-9.62	105.88	123.01
1	5U	181	THR	C-N-CA	-9.62	105.88	123.01
1	6M	181	THR	CA-C-N	-9.62	105.88	123.01
1	6M	181	THR	C-N-CA	-9.62	105.88	123.01
1	6U	181	THR	CA-C-N	-9.62	105.88	123.01
1	6U	181	THR	C-N-CA	-9.62	105.88	123.01
1	7E	181	THR	CA-C-N	-9.62	105.88	123.01
1	7E	181	THR	C-N-CA	-9.62	105.88	123.01
1	7Q	181	THR	CA-C-N	-9.62	105.88	123.01
1	7Q	181	THR	C-N-CA	-9.62	105.88	123.01
1	1E	182	PHE	CA-C-N	-9.62	104.38	121.70
1	1E	182	PHE	C-N-CA	-9.62	104.38	121.70
1	1M	182	PHE	CA-C-N	-9.62	104.39	121.70
1	1M	182	PHE	C-N-CA	-9.62	104.39	121.70
1	2I	182	PHE	CA-C-N	-9.62	104.39	121.70
1	2I	182	PHE	C-N-CA	-9.62	104.39	121.70
1	2M	182	PHE	CA-C-N	-9.62	104.38	121.70
1	2M	182	PHE	C-N-CA	-9.62	104.38	121.70
1	22	182	PHE	CA-C-N	-9.62	104.38	121.70
1	22	182	PHE	C-N-CA	-9.62	104.38	121.70
1	3A	182	PHE	CA-C-N	-9.62	104.39	121.70
1	3A	182	PHE	C-N-CA	-9.62	104.39	121.70
1	3I	182	PHE	CA-C-N	-9.62	104.39	121.70
1	3I	182	PHE	C-N-CA	-9.62	104.39	121.70
1	3M	182	PHE	CA-C-N	-9.62	104.38	121.70
1	3M	182	PHE	C-N-CA	-9.62	104.38	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	182	PHE	CA-C-N	-9.62	104.39	121.70
1	32	182	PHE	C-N-CA	-9.62	104.39	121.70
1	36	182	PHE	CA-C-N	-9.62	104.38	121.70
1	36	182	PHE	C-N-CA	-9.62	104.38	121.70
1	4E	182	PHE	CA-C-N	-9.62	104.39	121.70
1	4E	182	PHE	C-N-CA	-9.62	104.39	121.70
1	4I	182	PHE	CA-C-N	-9.62	104.38	121.70
1	4I	182	PHE	C-N-CA	-9.62	104.38	121.70
1	4Q	182	PHE	CA-C-N	-9.62	104.38	121.70
1	4Q	182	PHE	C-N-CA	-9.62	104.38	121.70
1	4Y	182	PHE	CA-C-N	-9.62	104.39	121.70
1	4Y	182	PHE	C-N-CA	-9.62	104.39	121.70
1	5U	182	PHE	CA-C-N	-9.62	104.39	121.70
1	5U	182	PHE	C-N-CA	-9.62	104.39	121.70
1	5Y	182	PHE	CA-C-N	-9.62	104.38	121.70
1	5Y	182	PHE	C-N-CA	-9.62	104.38	121.70
1	6E	182	PHE	CA-C-N	-9.62	104.38	121.70
1	6E	182	PHE	C-N-CA	-9.62	104.38	121.70
1	6M	182	PHE	CA-C-N	-9.62	104.39	121.70
1	6M	182	PHE	C-N-CA	-9.62	104.39	121.70
1	6U	182	PHE	CA-C-N	-9.62	104.39	121.70
1	6U	182	PHE	C-N-CA	-9.62	104.39	121.70
1	6Y	182	PHE	CA-C-N	-9.62	104.38	121.70
1	6Y	182	PHE	C-N-CA	-9.62	104.38	121.70
1	7E	182	PHE	CA-C-N	-9.62	104.39	121.70
1	7E	182	PHE	C-N-CA	-9.62	104.39	121.70
1	7I	182	PHE	CA-C-N	-9.62	104.38	121.70
1	7I	182	PHE	C-N-CA	-9.62	104.38	121.70
1	7Q	182	PHE	CA-C-N	-9.62	104.39	121.70
1	7Q	182	PHE	C-N-CA	-9.62	104.39	121.70
1	7U	182	PHE	CA-C-N	-9.62	104.38	121.70
1	7U	182	PHE	C-N-CA	-9.62	104.38	121.70
1	1E	42	VAL	N-CA-C	9.61	129.34	109.34
1	2M	42	VAL	N-CA-C	9.61	129.34	109.34
1	22	42	VAL	N-CA-C	9.61	129.34	109.34
1	3M	42	VAL	N-CA-C	9.61	129.34	109.34
1	36	42	VAL	N-CA-C	9.61	129.34	109.34
1	4I	42	VAL	N-CA-C	9.61	129.34	109.34
1	4Q	42	VAL	N-CA-C	9.61	129.34	109.34
1	5Y	42	VAL	N-CA-C	9.61	129.34	109.34
1	6E	42	VAL	N-CA-C	9.61	129.34	109.34
1	6Y	42	VAL	N-CA-C	9.61	129.34	109.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	42	VAL	N-CA-C	9.61	129.34	109.34
1	7U	42	VAL	N-CA-C	9.61	129.34	109.34
2	1B	80	GLU	N-CA-CB	9.61	126.35	110.39
2	1J	80	GLU	N-CA-CB	9.61	126.35	110.39
2	2F	80	GLU	N-CA-CB	9.61	126.35	110.39
2	27	80	GLU	N-CA-CB	9.61	126.35	110.39
2	3F	80	GLU	N-CA-CB	9.61	126.35	110.39
2	4B	80	GLU	N-CA-CB	9.61	126.35	110.39
2	4N	80	GLU	N-CA-CB	9.61	126.35	110.39
2	4V	80	GLU	N-CA-CB	9.61	126.35	110.39
2	5R	80	GLU	N-CA-CB	9.61	126.35	110.39
2	6J	80	GLU	N-CA-CB	9.61	126.35	110.39
2	6R	80	GLU	N-CA-CB	9.61	126.35	110.39
2	7N	80	GLU	N-CA-CB	9.61	126.35	110.39
1	1A	181	THR	CA-C-N	-9.61	105.91	123.01
1	1A	181	THR	C-N-CA	-9.61	105.91	123.01
1	1I	181	THR	CA-C-N	-9.61	105.91	123.01
1	1I	181	THR	C-N-CA	-9.61	105.91	123.01
1	12	181	THR	CA-C-N	-9.61	105.90	123.01
1	12	181	THR	C-N-CA	-9.61	105.90	123.01
1	16	181	THR	CA-C-N	-9.61	105.90	123.01
1	16	181	THR	C-N-CA	-9.61	105.90	123.01
1	2A	181	THR	CA-C-N	-9.61	105.90	123.01
1	2A	181	THR	C-N-CA	-9.61	105.90	123.01
1	2E	181	THR	CA-C-N	-9.61	105.91	123.01
1	2E	181	THR	C-N-CA	-9.61	105.91	123.01
1	26	181	THR	CA-C-N	-9.61	105.91	123.01
1	26	181	THR	C-N-CA	-9.61	105.91	123.01
1	3E	181	THR	CA-C-N	-9.61	105.91	123.01
1	3E	181	THR	C-N-CA	-9.61	105.91	123.01
1	3Q	181	THR	CA-C-N	-9.61	105.90	123.01
1	3Q	181	THR	C-N-CA	-9.61	105.90	123.01
1	3U	181	THR	CA-C-N	-9.61	105.90	123.01
1	3U	181	THR	C-N-CA	-9.61	105.90	123.01
1	3Y	181	THR	CA-C-N	-9.61	105.90	123.01
1	3Y	181	THR	C-N-CA	-9.61	105.90	123.01
1	4A	181	THR	CA-C-N	-9.61	105.91	123.01
1	4A	181	THR	C-N-CA	-9.61	105.91	123.01
1	4M	181	THR	CA-C-N	-9.61	105.91	123.01
1	4M	181	THR	C-N-CA	-9.61	105.91	123.01
1	4U	181	THR	CA-C-N	-9.61	105.91	123.01
1	4U	181	THR	C-N-CA	-9.61	105.91	123.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5E	181	THR	CA-C-N	-9.61	105.90	123.01
1	5E	181	THR	C-N-CA	-9.61	105.90	123.01
1	5I	181	THR	CA-C-N	-9.61	105.90	123.01
1	5I	181	THR	C-N-CA	-9.61	105.90	123.01
1	5M	181	THR	CA-C-N	-9.61	105.90	123.01
1	5M	181	THR	C-N-CA	-9.61	105.90	123.01
1	5Q	181	THR	CA-C-N	-9.61	105.91	123.01
1	5Q	181	THR	C-N-CA	-9.61	105.91	123.01
1	6I	181	THR	CA-C-N	-9.61	105.91	123.01
1	6I	181	THR	C-N-CA	-9.61	105.91	123.01
1	6Q	181	THR	CA-C-N	-9.61	105.91	123.01
1	6Q	181	THR	C-N-CA	-9.61	105.91	123.01
1	62	181	THR	CA-C-N	-9.61	105.90	123.01
1	62	181	THR	C-N-CA	-9.61	105.90	123.01
1	66	181	THR	CA-C-N	-9.61	105.90	123.01
1	66	181	THR	C-N-CA	-9.61	105.90	123.01
1	7A	181	THR	CA-C-N	-9.61	105.90	123.01
1	7A	181	THR	C-N-CA	-9.61	105.90	123.01
1	7M	181	THR	CA-C-N	-9.61	105.91	123.01
1	7M	181	THR	C-N-CA	-9.61	105.91	123.01
2	13	70	TRP	CD2-CE2-CZ2	-9.61	112.79	122.40
2	17	70	TRP	CD2-CE2-CZ2	-9.61	112.79	122.40
2	2B	70	TRP	CD2-CE2-CZ2	-9.61	112.79	122.40
2	3R	70	TRP	CD2-CE2-CZ2	-9.61	112.79	122.40
2	3V	70	TRP	CD2-CE2-CZ2	-9.61	112.79	122.40
2	3Z	70	TRP	CD2-CE2-CZ2	-9.61	112.79	122.40
2	5F	70	TRP	CD2-CE2-CZ2	-9.61	112.79	122.40
2	5J	70	TRP	CD2-CE2-CZ2	-9.61	112.79	122.40
2	5N	70	TRP	CD2-CE2-CZ2	-9.61	112.79	122.40
2	63	70	TRP	CD2-CE2-CZ2	-9.61	112.79	122.40
2	67	70	TRP	CD2-CE2-CZ2	-9.61	112.79	122.40
2	7B	70	TRP	CD2-CE2-CZ2	-9.61	112.79	122.40
2	1B	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	1F	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	1J	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	1R	80	GLU	N-CA-CB	9.60	126.33	110.39
2	1V	80	GLU	N-CA-CB	9.60	126.33	110.39
2	1Z	80	GLU	N-CA-CB	9.60	126.33	110.39
2	2F	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	2N	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	2R	80	GLU	N-CA-CB	9.60	126.33	110.39
2	2V	80	GLU	N-CA-CB	9.60	126.33	110.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2Z	80	GLU	N-CA-CB	9.60	126.33	110.39
2	23	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	27	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	3F	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	3N	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	37	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	4B	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	4J	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	4N	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	4R	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	4V	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	43	80	GLU	N-CA-CB	9.60	126.33	110.39
2	47	80	GLU	N-CA-CB	9.60	126.33	110.39
2	5B	80	GLU	N-CA-CB	9.60	126.33	110.39
2	5R	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	5Z	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	53	80	GLU	N-CA-CB	9.60	126.33	110.39
2	57	80	GLU	N-CA-CB	9.60	126.33	110.39
2	6B	80	GLU	N-CA-CB	9.60	126.33	110.39
2	6F	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	6J	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	6R	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	6Z	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	7J	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	7N	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	7V	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
1	12	42	VAL	N-CA-C	9.60	129.30	109.34
1	16	42	VAL	N-CA-C	9.60	129.30	109.34
1	2A	42	VAL	N-CA-C	9.60	129.30	109.34
1	3Q	42	VAL	N-CA-C	9.60	129.30	109.34
1	3U	42	VAL	N-CA-C	9.60	129.30	109.34
1	3Y	42	VAL	N-CA-C	9.60	129.30	109.34
1	5E	42	VAL	N-CA-C	9.60	129.30	109.34
1	5I	42	VAL	N-CA-C	9.60	129.30	109.34
1	5M	42	VAL	N-CA-C	9.60	129.30	109.34
1	62	42	VAL	N-CA-C	9.60	129.30	109.34
1	66	42	VAL	N-CA-C	9.60	129.30	109.34
1	7A	42	VAL	N-CA-C	9.60	129.30	109.34
1	1E	181	THR	CA-C-N	-9.60	105.93	123.01
1	1E	181	THR	C-N-CA	-9.60	105.93	123.01
1	1Q	42	VAL	N-CA-C	9.60	129.30	109.34
1	1U	42	VAL	N-CA-C	9.60	129.30	109.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1Y	42	VAL	N-CA-C	9.60	129.30	109.34
1	46	42	VAL	N-CA-C	9.60	129.30	109.34
2	1N	36	SER	N-CA-CB	9.60	125.08	110.30
2	1N	80	GLU	N-CA-CB	9.60	126.32	110.39
2	1R	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	1V	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	1Z	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	2J	36	SER	N-CA-CB	9.60	125.08	110.30
2	2J	80	GLU	N-CA-CB	9.60	126.32	110.39
1	2M	181	THR	CA-C-N	-9.60	105.93	123.01
1	2M	181	THR	C-N-CA	-9.60	105.93	123.01
1	2Q	42	VAL	N-CA-C	9.60	129.30	109.34
2	2R	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
1	2U	42	VAL	N-CA-C	9.60	129.30	109.34
2	2V	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
1	2Y	42	VAL	N-CA-C	9.60	129.30	109.34
2	2Z	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
1	22	181	THR	CA-C-N	-9.60	105.93	123.01
1	22	181	THR	C-N-CA	-9.60	105.93	123.01
1	5A	42	VAL	N-CA-C	9.60	129.30	109.34
1	52	42	VAL	N-CA-C	9.60	129.30	109.34
2	3B	36	SER	N-CA-CB	9.60	125.08	110.30
2	3B	80	GLU	N-CA-CB	9.60	126.32	110.39
2	3J	36	SER	N-CA-CB	9.60	125.08	110.30
2	3J	80	GLU	N-CA-CB	9.60	126.32	110.39
1	3M	181	THR	CA-C-N	-9.60	105.93	123.01
1	3M	181	THR	C-N-CA	-9.60	105.93	123.01
2	33	36	SER	N-CA-CB	9.60	125.08	110.30
2	33	80	GLU	N-CA-CB	9.60	126.32	110.39
1	36	181	THR	CA-C-N	-9.60	105.93	123.01
1	36	181	THR	C-N-CA	-9.60	105.93	123.01
2	4F	36	SER	N-CA-CB	9.60	125.08	110.30
2	4F	80	GLU	N-CA-CB	9.60	126.32	110.39
1	4I	181	THR	CA-C-N	-9.60	105.93	123.01
1	4I	181	THR	C-N-CA	-9.60	105.93	123.01
1	4Q	181	THR	CA-C-N	-9.60	105.93	123.01
1	4Q	181	THR	C-N-CA	-9.60	105.93	123.01
1	42	42	VAL	N-CA-C	9.60	129.30	109.34
1	56	42	VAL	N-CA-C	9.60	129.30	109.34
2	4Z	36	SER	N-CA-CB	9.60	125.08	110.30
2	4Z	80	GLU	N-CA-CB	9.60	126.32	110.39
2	43	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	47	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	5B	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	5V	36	SER	N-CA-CB	9.60	125.08	110.30
2	5V	80	GLU	N-CA-CB	9.60	126.32	110.39
1	5Y	181	THR	CA-C-N	-9.60	105.93	123.01
1	5Y	181	THR	C-N-CA	-9.60	105.93	123.01
2	53	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
2	57	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
1	6A	42	VAL	N-CA-C	9.60	129.30	109.34
2	6B	70	TRP	CD2-CE2-CZ2	-9.60	112.80	122.40
1	6E	181	THR	CA-C-N	-9.60	105.93	123.01
1	6E	181	THR	C-N-CA	-9.60	105.93	123.01
2	6N	36	SER	N-CA-CB	9.60	125.08	110.30
2	6N	80	GLU	N-CA-CB	9.60	126.32	110.39
2	6V	36	SER	N-CA-CB	9.60	125.08	110.30
2	6V	80	GLU	N-CA-CB	9.60	126.32	110.39
1	6Y	181	THR	CA-C-N	-9.60	105.93	123.01
1	6Y	181	THR	C-N-CA	-9.60	105.93	123.01
2	7F	36	SER	N-CA-CB	9.60	125.08	110.30
2	7F	80	GLU	N-CA-CB	9.60	126.32	110.39
1	7I	181	THR	CA-C-N	-9.60	105.93	123.01
1	7I	181	THR	C-N-CA	-9.60	105.93	123.01
2	7R	36	SER	N-CA-CB	9.60	125.08	110.30
2	7R	80	GLU	N-CA-CB	9.60	126.32	110.39
1	7U	181	THR	CA-C-N	-9.60	105.93	123.01
1	7U	181	THR	C-N-CA	-9.60	105.93	123.01
1	1A	42	VAL	N-CA-C	9.59	129.29	109.34
1	1I	42	VAL	N-CA-C	9.59	129.29	109.34
2	1R	36	SER	N-CA-CB	9.59	125.07	110.30
2	1V	36	SER	N-CA-CB	9.59	125.07	110.30
2	1Z	36	SER	N-CA-CB	9.59	125.07	110.30
1	2E	42	VAL	N-CA-C	9.59	129.29	109.34
2	2R	36	SER	N-CA-CB	9.59	125.07	110.30
2	2V	36	SER	N-CA-CB	9.59	125.07	110.30
2	2Z	36	SER	N-CA-CB	9.59	125.07	110.30
1	26	42	VAL	N-CA-C	9.59	129.29	109.34
1	3E	42	VAL	N-CA-C	9.59	129.29	109.34
1	4A	42	VAL	N-CA-C	9.59	129.29	109.34
1	4M	42	VAL	N-CA-C	9.59	129.29	109.34
1	4U	42	VAL	N-CA-C	9.59	129.29	109.34
2	43	36	SER	N-CA-CB	9.59	125.07	110.30
2	47	36	SER	N-CA-CB	9.59	125.07	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5B	36	SER	N-CA-CB	9.59	125.07	110.30
1	5Q	42	VAL	N-CA-C	9.59	129.29	109.34
2	53	36	SER	N-CA-CB	9.59	125.07	110.30
2	57	36	SER	N-CA-CB	9.59	125.07	110.30
2	6B	36	SER	N-CA-CB	9.59	125.07	110.30
1	6I	42	VAL	N-CA-C	9.59	129.29	109.34
1	6Q	42	VAL	N-CA-C	9.59	129.29	109.34
1	7M	42	VAL	N-CA-C	9.59	129.29	109.34
2	1F	36	SER	N-CA-CB	9.59	125.07	110.30
2	2N	36	SER	N-CA-CB	9.59	125.07	110.30
2	23	36	SER	N-CA-CB	9.59	125.07	110.30
2	3N	36	SER	N-CA-CB	9.59	125.07	110.30
2	37	36	SER	N-CA-CB	9.59	125.07	110.30
2	4J	36	SER	N-CA-CB	9.59	125.07	110.30
2	4R	36	SER	N-CA-CB	9.59	125.07	110.30
2	5Z	36	SER	N-CA-CB	9.59	125.07	110.30
2	6F	36	SER	N-CA-CB	9.59	125.07	110.30
2	6Z	36	SER	N-CA-CB	9.59	125.07	110.30
2	7J	36	SER	N-CA-CB	9.59	125.07	110.30
2	7V	36	SER	N-CA-CB	9.59	125.07	110.30
1	1M	42	VAL	N-CA-C	9.59	129.28	109.34
2	13	36	SER	N-CA-CB	9.59	125.06	110.30
2	17	36	SER	N-CA-CB	9.59	125.06	110.30
2	2B	36	SER	N-CA-CB	9.59	125.06	110.30
1	2I	42	VAL	N-CA-C	9.59	129.28	109.34
1	3A	42	VAL	N-CA-C	9.59	129.28	109.34
1	3I	42	VAL	N-CA-C	9.59	129.28	109.34
2	3R	36	SER	N-CA-CB	9.59	125.06	110.30
2	3V	36	SER	N-CA-CB	9.59	125.06	110.30
2	3Z	36	SER	N-CA-CB	9.59	125.06	110.30
1	32	42	VAL	N-CA-C	9.59	129.28	109.34
1	4E	42	VAL	N-CA-C	9.59	129.28	109.34
1	4Y	42	VAL	N-CA-C	9.59	129.28	109.34
2	5F	36	SER	N-CA-CB	9.59	125.06	110.30
2	5J	36	SER	N-CA-CB	9.59	125.06	110.30
2	5N	36	SER	N-CA-CB	9.59	125.06	110.30
1	5U	42	VAL	N-CA-C	9.59	129.28	109.34
1	6M	42	VAL	N-CA-C	9.59	129.28	109.34
1	6U	42	VAL	N-CA-C	9.59	129.28	109.34
2	63	36	SER	N-CA-CB	9.59	125.06	110.30
2	67	36	SER	N-CA-CB	9.59	125.06	110.30
2	7B	36	SER	N-CA-CB	9.59	125.06	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	42	VAL	N-CA-C	9.59	129.28	109.34
1	7Q	42	VAL	N-CA-C	9.59	129.28	109.34
2	1B	36	SER	N-CA-CB	9.58	125.05	110.30
2	1J	36	SER	N-CA-CB	9.58	125.05	110.30
2	2F	36	SER	N-CA-CB	9.58	125.05	110.30
2	27	36	SER	N-CA-CB	9.58	125.05	110.30
2	3F	36	SER	N-CA-CB	9.58	125.05	110.30
2	4B	36	SER	N-CA-CB	9.58	125.05	110.30
2	4N	36	SER	N-CA-CB	9.58	125.05	110.30
2	4V	36	SER	N-CA-CB	9.58	125.05	110.30
2	5R	36	SER	N-CA-CB	9.58	125.05	110.30
2	6J	36	SER	N-CA-CB	9.58	125.05	110.30
2	6R	36	SER	N-CA-CB	9.58	125.05	110.30
2	7N	36	SER	N-CA-CB	9.58	125.05	110.30
1	1Q	14	ASP	CB-CG-OD2	9.57	140.41	118.40
1	1U	14	ASP	CB-CG-OD2	9.57	140.41	118.40
1	1Y	14	ASP	CB-CG-OD2	9.57	140.41	118.40
1	2Q	14	ASP	CB-CG-OD2	9.57	140.41	118.40
1	2U	14	ASP	CB-CG-OD2	9.57	140.41	118.40
1	2Y	14	ASP	CB-CG-OD2	9.57	140.41	118.40
1	42	14	ASP	CB-CG-OD2	9.57	140.41	118.40
1	46	14	ASP	CB-CG-OD2	9.57	140.41	118.40
1	5A	14	ASP	CB-CG-OD2	9.57	140.41	118.40
1	52	14	ASP	CB-CG-OD2	9.57	140.41	118.40
1	56	14	ASP	CB-CG-OD2	9.57	140.41	118.40
1	6A	14	ASP	CB-CG-OD2	9.57	140.41	118.40
2	1R	229	ASN	N-CA-CB	9.56	126.76	110.50
2	1V	229	ASN	N-CA-CB	9.56	126.76	110.50
2	1Z	229	ASN	N-CA-CB	9.56	126.76	110.50
2	2R	229	ASN	N-CA-CB	9.56	126.76	110.50
2	2V	229	ASN	N-CA-CB	9.56	126.76	110.50
2	2Z	229	ASN	N-CA-CB	9.56	126.76	110.50
2	43	229	ASN	N-CA-CB	9.56	126.76	110.50
2	47	229	ASN	N-CA-CB	9.56	126.76	110.50
2	5B	229	ASN	N-CA-CB	9.56	126.76	110.50
2	53	229	ASN	N-CA-CB	9.56	126.76	110.50
2	57	229	ASN	N-CA-CB	9.56	126.76	110.50
2	6B	229	ASN	N-CA-CB	9.56	126.76	110.50
2	1F	229	ASN	N-CA-CB	9.56	126.75	110.50
2	2N	229	ASN	N-CA-CB	9.56	126.75	110.50
2	23	229	ASN	N-CA-CB	9.56	126.75	110.50
2	3N	229	ASN	N-CA-CB	9.56	126.75	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	229	ASN	N-CA-CB	9.56	126.75	110.50
2	4J	229	ASN	N-CA-CB	9.56	126.75	110.50
2	4R	229	ASN	N-CA-CB	9.56	126.75	110.50
2	5Z	229	ASN	N-CA-CB	9.56	126.75	110.50
2	6F	229	ASN	N-CA-CB	9.56	126.75	110.50
2	6Z	229	ASN	N-CA-CB	9.56	126.75	110.50
2	7J	229	ASN	N-CA-CB	9.56	126.75	110.50
2	7V	229	ASN	N-CA-CB	9.56	126.75	110.50
2	1B	229	ASN	N-CA-CB	9.55	126.74	110.50
2	1J	229	ASN	N-CA-CB	9.55	126.74	110.50
1	12	14	ASP	CB-CG-OD2	9.55	140.38	118.40
1	16	14	ASP	CB-CG-OD2	9.55	140.38	118.40
1	2A	14	ASP	CB-CG-OD2	9.55	140.38	118.40
2	2F	229	ASN	N-CA-CB	9.55	126.74	110.50
2	27	229	ASN	N-CA-CB	9.55	126.74	110.50
2	3F	229	ASN	N-CA-CB	9.55	126.74	110.50
1	3Q	14	ASP	CB-CG-OD2	9.55	140.38	118.40
1	3U	14	ASP	CB-CG-OD2	9.55	140.38	118.40
1	3Y	14	ASP	CB-CG-OD2	9.55	140.38	118.40
2	4B	229	ASN	N-CA-CB	9.55	126.74	110.50
2	4N	229	ASN	N-CA-CB	9.55	126.74	110.50
2	4V	229	ASN	N-CA-CB	9.55	126.74	110.50
1	5E	14	ASP	CB-CG-OD2	9.55	140.38	118.40
1	5I	14	ASP	CB-CG-OD2	9.55	140.38	118.40
1	5M	14	ASP	CB-CG-OD2	9.55	140.38	118.40
2	5R	229	ASN	N-CA-CB	9.55	126.74	110.50
2	6J	229	ASN	N-CA-CB	9.55	126.74	110.50
2	6R	229	ASN	N-CA-CB	9.55	126.74	110.50
1	62	14	ASP	CB-CG-OD2	9.55	140.38	118.40
1	66	14	ASP	CB-CG-OD2	9.55	140.38	118.40
1	7A	14	ASP	CB-CG-OD2	9.55	140.38	118.40
2	7N	229	ASN	N-CA-CB	9.55	126.74	110.50
1	1M	14	ASP	CB-CG-OD2	9.55	140.37	118.40
1	2I	14	ASP	CB-CG-OD2	9.55	140.37	118.40
1	3A	14	ASP	CB-CG-OD2	9.55	140.37	118.40
1	3I	14	ASP	CB-CG-OD2	9.55	140.37	118.40
1	32	14	ASP	CB-CG-OD2	9.55	140.37	118.40
1	4E	14	ASP	CB-CG-OD2	9.55	140.37	118.40
1	4Y	14	ASP	CB-CG-OD2	9.55	140.37	118.40
1	5U	14	ASP	CB-CG-OD2	9.55	140.37	118.40
1	6M	14	ASP	CB-CG-OD2	9.55	140.37	118.40
1	6U	14	ASP	CB-CG-OD2	9.55	140.37	118.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	14	ASP	CB-CG-OD2	9.55	140.37	118.40
1	7Q	14	ASP	CB-CG-OD2	9.55	140.37	118.40
1	1A	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	1I	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	2E	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	26	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	3E	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	4A	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	4M	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	4U	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	5Q	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	6I	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	6Q	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	7M	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	1E	14	ASP	CB-CG-OD2	9.54	140.35	118.40
2	13	229	ASN	N-CA-CB	9.54	126.72	110.50
2	17	229	ASN	N-CA-CB	9.54	126.72	110.50
2	2B	229	ASN	N-CA-CB	9.54	126.72	110.50
1	2M	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	22	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	3M	14	ASP	CB-CG-OD2	9.54	140.35	118.40
2	3R	229	ASN	N-CA-CB	9.54	126.72	110.50
2	3V	229	ASN	N-CA-CB	9.54	126.72	110.50
2	3Z	229	ASN	N-CA-CB	9.54	126.72	110.50
1	36	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	4I	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	4Q	14	ASP	CB-CG-OD2	9.54	140.35	118.40
2	5F	229	ASN	N-CA-CB	9.54	126.72	110.50
2	5J	229	ASN	N-CA-CB	9.54	126.72	110.50
2	5N	229	ASN	N-CA-CB	9.54	126.72	110.50
1	5Y	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	6E	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	6Y	14	ASP	CB-CG-OD2	9.54	140.35	118.40
2	63	229	ASN	N-CA-CB	9.54	126.72	110.50
2	67	229	ASN	N-CA-CB	9.54	126.72	110.50
2	7B	229	ASN	N-CA-CB	9.54	126.72	110.50
1	7I	14	ASP	CB-CG-OD2	9.54	140.35	118.40
1	7U	14	ASP	CB-CG-OD2	9.54	140.35	118.40
2	1N	229	ASN	N-CA-CB	9.53	126.70	110.50
2	2J	229	ASN	N-CA-CB	9.53	126.70	110.50
2	3B	229	ASN	N-CA-CB	9.53	126.70	110.50
2	3J	229	ASN	N-CA-CB	9.53	126.70	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	229	ASN	N-CA-CB	9.53	126.70	110.50
2	4F	229	ASN	N-CA-CB	9.53	126.70	110.50
2	4Z	229	ASN	N-CA-CB	9.53	126.70	110.50
2	5V	229	ASN	N-CA-CB	9.53	126.70	110.50
2	6N	229	ASN	N-CA-CB	9.53	126.70	110.50
2	6V	229	ASN	N-CA-CB	9.53	126.70	110.50
2	7F	229	ASN	N-CA-CB	9.53	126.70	110.50
2	7R	229	ASN	N-CA-CB	9.53	126.70	110.50
2	1F	94	TYR	CA-CB-CG	-9.52	96.76	113.90
2	2N	94	TYR	CA-CB-CG	-9.52	96.76	113.90
2	23	94	TYR	CA-CB-CG	-9.52	96.76	113.90
2	3N	94	TYR	CA-CB-CG	-9.52	96.76	113.90
2	37	94	TYR	CA-CB-CG	-9.52	96.76	113.90
2	4J	94	TYR	CA-CB-CG	-9.52	96.76	113.90
2	4R	94	TYR	CA-CB-CG	-9.52	96.76	113.90
2	5Z	94	TYR	CA-CB-CG	-9.52	96.76	113.90
2	6F	94	TYR	CA-CB-CG	-9.52	96.76	113.90
2	6Z	94	TYR	CA-CB-CG	-9.52	96.76	113.90
2	7J	94	TYR	CA-CB-CG	-9.52	96.76	113.90
2	7V	94	TYR	CA-CB-CG	-9.52	96.76	113.90
2	1N	94	TYR	CA-CB-CG	-9.52	96.77	113.90
2	2J	94	TYR	CA-CB-CG	-9.52	96.77	113.90
2	3B	94	TYR	CA-CB-CG	-9.52	96.77	113.90
2	3J	94	TYR	CA-CB-CG	-9.52	96.77	113.90
2	33	94	TYR	CA-CB-CG	-9.52	96.77	113.90
2	4F	94	TYR	CA-CB-CG	-9.52	96.77	113.90
2	4Z	94	TYR	CA-CB-CG	-9.52	96.77	113.90
2	5V	94	TYR	CA-CB-CG	-9.52	96.77	113.90
2	6N	94	TYR	CA-CB-CG	-9.52	96.77	113.90
2	6V	94	TYR	CA-CB-CG	-9.52	96.77	113.90
2	7F	94	TYR	CA-CB-CG	-9.52	96.77	113.90
2	7R	94	TYR	CA-CB-CG	-9.52	96.77	113.90
2	13	94	TYR	CA-CB-CG	-9.51	96.79	113.90
2	17	94	TYR	CA-CB-CG	-9.51	96.79	113.90
2	2B	94	TYR	CA-CB-CG	-9.51	96.79	113.90
2	3R	94	TYR	CA-CB-CG	-9.51	96.79	113.90
2	3V	94	TYR	CA-CB-CG	-9.51	96.79	113.90
2	3Z	94	TYR	CA-CB-CG	-9.51	96.79	113.90
2	5F	94	TYR	CA-CB-CG	-9.51	96.79	113.90
2	5J	94	TYR	CA-CB-CG	-9.51	96.79	113.90
2	5N	94	TYR	CA-CB-CG	-9.51	96.79	113.90
2	63	94	TYR	CA-CB-CG	-9.51	96.79	113.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	94	TYR	CA-CB-CG	-9.51	96.79	113.90
2	7B	94	TYR	CA-CB-CG	-9.51	96.79	113.90
2	1B	94	TYR	CA-CB-CG	-9.50	96.81	113.90
2	1J	94	TYR	CA-CB-CG	-9.50	96.81	113.90
2	1N	224	VAL	O-C-N	9.50	131.52	122.97
1	1Q	178	SER	O-C-N	9.50	135.13	123.16
2	1R	94	TYR	CA-CB-CG	-9.50	96.80	113.90
1	1U	178	SER	O-C-N	9.50	135.13	123.16
2	1V	94	TYR	CA-CB-CG	-9.50	96.80	113.90
1	1Y	178	SER	O-C-N	9.50	135.13	123.16
2	1Z	94	TYR	CA-CB-CG	-9.50	96.80	113.90
2	2F	94	TYR	CA-CB-CG	-9.50	96.81	113.90
2	2J	224	VAL	O-C-N	9.50	131.52	122.97
1	2Q	178	SER	O-C-N	9.50	135.13	123.16
2	2R	94	TYR	CA-CB-CG	-9.50	96.80	113.90
1	2U	178	SER	O-C-N	9.50	135.13	123.16
2	2V	94	TYR	CA-CB-CG	-9.50	96.80	113.90
1	2Y	178	SER	O-C-N	9.50	135.13	123.16
2	2Z	94	TYR	CA-CB-CG	-9.50	96.80	113.90
2	27	94	TYR	CA-CB-CG	-9.50	96.81	113.90
2	3B	224	VAL	O-C-N	9.50	131.52	122.97
2	3F	94	TYR	CA-CB-CG	-9.50	96.81	113.90
2	3J	224	VAL	O-C-N	9.50	131.52	122.97
2	33	224	VAL	O-C-N	9.50	131.52	122.97
2	4B	94	TYR	CA-CB-CG	-9.50	96.81	113.90
2	4F	224	VAL	O-C-N	9.50	131.52	122.97
2	4N	94	TYR	CA-CB-CG	-9.50	96.81	113.90
2	4V	94	TYR	CA-CB-CG	-9.50	96.81	113.90
2	4Z	224	VAL	O-C-N	9.50	131.52	122.97
1	42	178	SER	O-C-N	9.50	135.13	123.16
2	43	94	TYR	CA-CB-CG	-9.50	96.80	113.90
1	46	178	SER	O-C-N	9.50	135.13	123.16
2	47	94	TYR	CA-CB-CG	-9.50	96.80	113.90
1	5A	178	SER	O-C-N	9.50	135.13	123.16
2	5B	94	TYR	CA-CB-CG	-9.50	96.80	113.90
2	5R	94	TYR	CA-CB-CG	-9.50	96.81	113.90
2	5V	224	VAL	O-C-N	9.50	131.52	122.97
1	52	178	SER	O-C-N	9.50	135.13	123.16
2	53	94	TYR	CA-CB-CG	-9.50	96.80	113.90
1	56	178	SER	O-C-N	9.50	135.13	123.16
2	57	94	TYR	CA-CB-CG	-9.50	96.80	113.90
1	6A	178	SER	O-C-N	9.50	135.13	123.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6B	94	TYR	CA-CB-CG	-9.50	96.80	113.90
2	6J	94	TYR	CA-CB-CG	-9.50	96.81	113.90
2	6N	224	VAL	O-C-N	9.50	131.52	122.97
2	6R	94	TYR	CA-CB-CG	-9.50	96.81	113.90
2	6V	224	VAL	O-C-N	9.50	131.52	122.97
2	7F	224	VAL	O-C-N	9.50	131.52	122.97
2	7N	94	TYR	CA-CB-CG	-9.50	96.81	113.90
2	7R	224	VAL	O-C-N	9.50	131.52	122.97
2	1F	72	ARG	CG-CD-NE	-9.49	91.12	112.00
2	2N	72	ARG	CG-CD-NE	-9.49	91.12	112.00
2	23	72	ARG	CG-CD-NE	-9.49	91.12	112.00
2	3N	72	ARG	CG-CD-NE	-9.49	91.12	112.00
2	37	72	ARG	CG-CD-NE	-9.49	91.12	112.00
2	4J	72	ARG	CG-CD-NE	-9.49	91.12	112.00
2	4R	72	ARG	CG-CD-NE	-9.49	91.12	112.00
2	5Z	72	ARG	CG-CD-NE	-9.49	91.12	112.00
2	6F	72	ARG	CG-CD-NE	-9.49	91.12	112.00
2	6Z	72	ARG	CG-CD-NE	-9.49	91.12	112.00
2	7J	72	ARG	CG-CD-NE	-9.49	91.12	112.00
2	7V	72	ARG	CG-CD-NE	-9.49	91.12	112.00
2	1B	72	ARG	CG-CD-NE	-9.48	91.13	112.00
2	1J	72	ARG	CG-CD-NE	-9.48	91.13	112.00
2	2F	72	ARG	CG-CD-NE	-9.48	91.13	112.00
2	27	72	ARG	CG-CD-NE	-9.48	91.13	112.00
2	3F	72	ARG	CG-CD-NE	-9.48	91.13	112.00
2	4B	72	ARG	CG-CD-NE	-9.48	91.13	112.00
2	4N	72	ARG	CG-CD-NE	-9.48	91.13	112.00
2	4V	72	ARG	CG-CD-NE	-9.48	91.13	112.00
2	5R	72	ARG	CG-CD-NE	-9.48	91.13	112.00
2	6J	72	ARG	CG-CD-NE	-9.48	91.13	112.00
2	6R	72	ARG	CG-CD-NE	-9.48	91.13	112.00
2	7N	72	ARG	CG-CD-NE	-9.48	91.13	112.00
2	1B	224	VAL	O-C-N	9.48	131.50	122.97
2	1J	224	VAL	O-C-N	9.48	131.50	122.97
2	2F	224	VAL	O-C-N	9.48	131.50	122.97
2	27	224	VAL	O-C-N	9.48	131.50	122.97
2	3F	224	VAL	O-C-N	9.48	131.50	122.97
2	4B	224	VAL	O-C-N	9.48	131.50	122.97
2	4N	224	VAL	O-C-N	9.48	131.50	122.97
2	4V	224	VAL	O-C-N	9.48	131.50	122.97
2	5R	224	VAL	O-C-N	9.48	131.50	122.97
2	6J	224	VAL	O-C-N	9.48	131.50	122.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	224	VAL	O-C-N	9.48	131.50	122.97
2	7N	224	VAL	O-C-N	9.48	131.50	122.97
2	1N	69	SER	CA-CB-OG	9.48	130.06	111.10
2	2J	69	SER	CA-CB-OG	9.48	130.06	111.10
2	3B	69	SER	CA-CB-OG	9.48	130.06	111.10
2	3J	69	SER	CA-CB-OG	9.48	130.06	111.10
2	33	69	SER	CA-CB-OG	9.48	130.06	111.10
2	4F	69	SER	CA-CB-OG	9.48	130.06	111.10
2	4Z	69	SER	CA-CB-OG	9.48	130.06	111.10
2	5V	69	SER	CA-CB-OG	9.48	130.06	111.10
2	6N	69	SER	CA-CB-OG	9.48	130.06	111.10
2	6V	69	SER	CA-CB-OG	9.48	130.06	111.10
2	7F	69	SER	CA-CB-OG	9.48	130.06	111.10
2	7R	69	SER	CA-CB-OG	9.48	130.06	111.10
1	1M	178	SER	O-C-N	9.48	135.10	123.16
2	1R	69	SER	CA-CB-OG	9.48	130.06	111.10
2	1R	72	ARG	CG-CD-NE	-9.48	91.15	112.00
2	1V	69	SER	CA-CB-OG	9.48	130.06	111.10
2	1V	72	ARG	CG-CD-NE	-9.48	91.15	112.00
2	1Z	69	SER	CA-CB-OG	9.48	130.06	111.10
2	1Z	72	ARG	CG-CD-NE	-9.48	91.15	112.00
1	12	68	SER	O-C-N	9.48	135.92	122.94
1	16	68	SER	O-C-N	9.48	135.92	122.94
1	2A	68	SER	O-C-N	9.48	135.92	122.94
1	2I	178	SER	O-C-N	9.48	135.10	123.16
2	2R	69	SER	CA-CB-OG	9.48	130.06	111.10
2	2R	72	ARG	CG-CD-NE	-9.48	91.15	112.00
2	2V	69	SER	CA-CB-OG	9.48	130.06	111.10
2	2V	72	ARG	CG-CD-NE	-9.48	91.15	112.00
2	2Z	69	SER	CA-CB-OG	9.48	130.06	111.10
2	2Z	72	ARG	CG-CD-NE	-9.48	91.15	112.00
1	3A	178	SER	O-C-N	9.48	135.10	123.16
1	3I	178	SER	O-C-N	9.48	135.10	123.16
1	3Q	68	SER	O-C-N	9.48	135.92	122.94
1	3U	68	SER	O-C-N	9.48	135.92	122.94
1	3Y	68	SER	O-C-N	9.48	135.92	122.94
1	32	178	SER	O-C-N	9.48	135.10	123.16
1	4E	178	SER	O-C-N	9.48	135.10	123.16
1	4Y	178	SER	O-C-N	9.48	135.10	123.16
2	43	69	SER	CA-CB-OG	9.48	130.06	111.10
2	43	72	ARG	CG-CD-NE	-9.48	91.15	112.00
2	47	69	SER	CA-CB-OG	9.48	130.06	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	47	72	ARG	CG-CD-NE	-9.48	91.15	112.00
2	5B	69	SER	CA-CB-OG	9.48	130.06	111.10
2	5B	72	ARG	CG-CD-NE	-9.48	91.15	112.00
1	5E	68	SER	O-C-N	9.48	135.92	122.94
1	5I	68	SER	O-C-N	9.48	135.92	122.94
1	5M	68	SER	O-C-N	9.48	135.92	122.94
1	5U	178	SER	O-C-N	9.48	135.10	123.16
2	53	69	SER	CA-CB-OG	9.48	130.06	111.10
2	53	72	ARG	CG-CD-NE	-9.48	91.15	112.00
2	57	69	SER	CA-CB-OG	9.48	130.06	111.10
2	57	72	ARG	CG-CD-NE	-9.48	91.15	112.00
2	6B	69	SER	CA-CB-OG	9.48	130.06	111.10
2	6B	72	ARG	CG-CD-NE	-9.48	91.15	112.00
1	6M	178	SER	O-C-N	9.48	135.10	123.16
1	6U	178	SER	O-C-N	9.48	135.10	123.16
1	62	68	SER	O-C-N	9.48	135.92	122.94
1	66	68	SER	O-C-N	9.48	135.92	122.94
1	7A	68	SER	O-C-N	9.48	135.92	122.94
1	7E	178	SER	O-C-N	9.48	135.10	123.16
1	7Q	178	SER	O-C-N	9.48	135.10	123.16
2	13	72	ARG	CG-CD-NE	-9.47	91.16	112.00
2	17	72	ARG	CG-CD-NE	-9.47	91.16	112.00
2	2B	72	ARG	CG-CD-NE	-9.47	91.16	112.00
2	3R	72	ARG	CG-CD-NE	-9.47	91.16	112.00
2	3V	72	ARG	CG-CD-NE	-9.47	91.16	112.00
2	3Z	72	ARG	CG-CD-NE	-9.47	91.16	112.00
2	5F	72	ARG	CG-CD-NE	-9.47	91.16	112.00
2	5J	72	ARG	CG-CD-NE	-9.47	91.16	112.00
2	5N	72	ARG	CG-CD-NE	-9.47	91.16	112.00
2	63	72	ARG	CG-CD-NE	-9.47	91.16	112.00
2	67	72	ARG	CG-CD-NE	-9.47	91.16	112.00
2	7B	72	ARG	CG-CD-NE	-9.47	91.16	112.00
2	1N	72	ARG	CG-CD-NE	-9.47	91.17	112.00
2	13	224	VAL	O-C-N	9.47	131.49	122.97
2	17	224	VAL	O-C-N	9.47	131.49	122.97
2	2B	224	VAL	O-C-N	9.47	131.49	122.97
2	2J	72	ARG	CG-CD-NE	-9.47	91.17	112.00
2	3B	72	ARG	CG-CD-NE	-9.47	91.17	112.00
2	3J	72	ARG	CG-CD-NE	-9.47	91.17	112.00
2	3R	224	VAL	O-C-N	9.47	131.49	122.97
2	3V	224	VAL	O-C-N	9.47	131.49	122.97
2	3Z	224	VAL	O-C-N	9.47	131.49	122.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	72	ARG	CG-CD-NE	-9.47	91.17	112.00
2	4F	72	ARG	CG-CD-NE	-9.47	91.17	112.00
2	4Z	72	ARG	CG-CD-NE	-9.47	91.17	112.00
2	5F	224	VAL	O-C-N	9.47	131.49	122.97
2	5J	224	VAL	O-C-N	9.47	131.49	122.97
2	5N	224	VAL	O-C-N	9.47	131.49	122.97
2	5V	72	ARG	CG-CD-NE	-9.47	91.17	112.00
2	6N	72	ARG	CG-CD-NE	-9.47	91.17	112.00
2	6V	72	ARG	CG-CD-NE	-9.47	91.17	112.00
2	63	224	VAL	O-C-N	9.47	131.49	122.97
2	67	224	VAL	O-C-N	9.47	131.49	122.97
2	7B	224	VAL	O-C-N	9.47	131.49	122.97
2	7F	72	ARG	CG-CD-NE	-9.47	91.17	112.00
2	7R	72	ARG	CG-CD-NE	-9.47	91.17	112.00
2	1F	224	VAL	O-C-N	9.46	131.49	122.97
2	2N	224	VAL	O-C-N	9.46	131.49	122.97
2	23	224	VAL	O-C-N	9.46	131.49	122.97
2	3N	224	VAL	O-C-N	9.46	131.49	122.97
2	37	224	VAL	O-C-N	9.46	131.49	122.97
2	4J	224	VAL	O-C-N	9.46	131.49	122.97
2	4R	224	VAL	O-C-N	9.46	131.49	122.97
2	5Z	224	VAL	O-C-N	9.46	131.49	122.97
2	6F	224	VAL	O-C-N	9.46	131.49	122.97
2	6Z	224	VAL	O-C-N	9.46	131.49	122.97
2	7J	224	VAL	O-C-N	9.46	131.49	122.97
2	7V	224	VAL	O-C-N	9.46	131.49	122.97
2	1B	69	SER	CA-CB-OG	9.46	130.01	111.10
2	1J	69	SER	CA-CB-OG	9.46	130.01	111.10
2	2F	69	SER	CA-CB-OG	9.46	130.01	111.10
2	27	69	SER	CA-CB-OG	9.46	130.01	111.10
2	3F	69	SER	CA-CB-OG	9.46	130.01	111.10
2	4B	69	SER	CA-CB-OG	9.46	130.01	111.10
2	4N	69	SER	CA-CB-OG	9.46	130.01	111.10
2	4V	69	SER	CA-CB-OG	9.46	130.01	111.10
2	5R	69	SER	CA-CB-OG	9.46	130.01	111.10
2	6J	69	SER	CA-CB-OG	9.46	130.01	111.10
2	6R	69	SER	CA-CB-OG	9.46	130.01	111.10
2	7N	69	SER	CA-CB-OG	9.46	130.01	111.10
2	1F	69	SER	CA-CB-OG	9.45	130.01	111.10
2	3N	69	SER	CA-CB-OG	9.45	130.01	111.10
1	1A	178	SER	O-C-N	9.45	135.07	123.16
1	1E	178	SER	O-C-N	9.45	135.07	123.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	69	SER	CA-CB-OG	9.45	130.01	111.10
1	1I	178	SER	O-C-N	9.45	135.07	123.16
1	2E	178	SER	O-C-N	9.45	135.07	123.16
1	2M	178	SER	O-C-N	9.45	135.07	123.16
1	22	178	SER	O-C-N	9.45	135.07	123.16
2	23	69	SER	CA-CB-OG	9.45	130.01	111.10
2	6Z	69	SER	CA-CB-OG	9.45	130.01	111.10
1	26	178	SER	O-C-N	9.45	135.07	123.16
1	3E	178	SER	O-C-N	9.45	135.07	123.16
1	3M	178	SER	O-C-N	9.45	135.07	123.16
1	36	178	SER	O-C-N	9.45	135.07	123.16
2	37	69	SER	CA-CB-OG	9.45	130.01	111.10
2	4J	69	SER	CA-CB-OG	9.45	130.01	111.10
2	4R	69	SER	CA-CB-OG	9.45	130.01	111.10
1	4A	178	SER	O-C-N	9.45	135.07	123.16
1	4I	178	SER	O-C-N	9.45	135.07	123.16
1	4M	178	SER	O-C-N	9.45	135.07	123.16
1	4Q	178	SER	O-C-N	9.45	135.07	123.16
2	5Z	69	SER	CA-CB-OG	9.45	130.01	111.10
1	4U	178	SER	O-C-N	9.45	135.07	123.16
1	5Q	178	SER	O-C-N	9.45	135.07	123.16
1	5Y	178	SER	O-C-N	9.45	135.07	123.16
1	6E	178	SER	O-C-N	9.45	135.07	123.16
2	6F	69	SER	CA-CB-OG	9.45	130.01	111.10
1	6I	178	SER	O-C-N	9.45	135.07	123.16
1	6Q	178	SER	O-C-N	9.45	135.07	123.16
1	6Y	178	SER	O-C-N	9.45	135.07	123.16
1	7I	178	SER	O-C-N	9.45	135.07	123.16
2	7J	69	SER	CA-CB-OG	9.45	130.01	111.10
2	7V	69	SER	CA-CB-OG	9.45	130.01	111.10
1	7M	178	SER	O-C-N	9.45	135.07	123.16
1	7U	178	SER	O-C-N	9.45	135.07	123.16
2	1N	224	VAL	CA-C-N	-9.45	103.49	121.54
2	1N	224	VAL	C-N-CA	-9.45	103.49	121.54
2	1R	224	VAL	O-C-N	9.45	131.47	122.97
2	1V	224	VAL	O-C-N	9.45	131.47	122.97
2	1Z	224	VAL	O-C-N	9.45	131.47	122.97
2	13	224	VAL	CA-C-N	-9.45	103.49	121.54
2	13	224	VAL	C-N-CA	-9.45	103.49	121.54
2	17	224	VAL	CA-C-N	-9.45	103.49	121.54
2	17	224	VAL	C-N-CA	-9.45	103.49	121.54
2	2B	224	VAL	CA-C-N	-9.45	103.49	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	224	VAL	C-N-CA	-9.45	103.49	121.54
2	2J	224	VAL	CA-C-N	-9.45	103.49	121.54
2	2J	224	VAL	C-N-CA	-9.45	103.49	121.54
2	2R	224	VAL	O-C-N	9.45	131.47	122.97
2	2V	224	VAL	O-C-N	9.45	131.47	122.97
2	2Z	224	VAL	O-C-N	9.45	131.47	122.97
2	3B	224	VAL	CA-C-N	-9.45	103.49	121.54
2	3B	224	VAL	C-N-CA	-9.45	103.49	121.54
2	3J	224	VAL	CA-C-N	-9.45	103.49	121.54
2	3J	224	VAL	C-N-CA	-9.45	103.49	121.54
2	3R	224	VAL	CA-C-N	-9.45	103.49	121.54
2	3R	224	VAL	C-N-CA	-9.45	103.49	121.54
2	3V	224	VAL	CA-C-N	-9.45	103.49	121.54
2	3V	224	VAL	C-N-CA	-9.45	103.49	121.54
2	3Z	224	VAL	CA-C-N	-9.45	103.49	121.54
2	3Z	224	VAL	C-N-CA	-9.45	103.49	121.54
2	33	224	VAL	CA-C-N	-9.45	103.49	121.54
2	33	224	VAL	C-N-CA	-9.45	103.49	121.54
2	4F	224	VAL	CA-C-N	-9.45	103.49	121.54
2	4F	224	VAL	C-N-CA	-9.45	103.49	121.54
2	4Z	224	VAL	CA-C-N	-9.45	103.49	121.54
2	4Z	224	VAL	C-N-CA	-9.45	103.49	121.54
2	43	224	VAL	O-C-N	9.45	131.47	122.97
2	47	224	VAL	O-C-N	9.45	131.47	122.97
2	5B	224	VAL	O-C-N	9.45	131.47	122.97
2	5F	224	VAL	CA-C-N	-9.45	103.49	121.54
2	5F	224	VAL	C-N-CA	-9.45	103.49	121.54
2	5J	224	VAL	CA-C-N	-9.45	103.49	121.54
2	5J	224	VAL	C-N-CA	-9.45	103.49	121.54
2	5N	224	VAL	CA-C-N	-9.45	103.49	121.54
2	5N	224	VAL	C-N-CA	-9.45	103.49	121.54
2	5V	224	VAL	CA-C-N	-9.45	103.49	121.54
2	5V	224	VAL	C-N-CA	-9.45	103.49	121.54
2	53	224	VAL	O-C-N	9.45	131.47	122.97
2	57	224	VAL	O-C-N	9.45	131.47	122.97
2	6B	224	VAL	O-C-N	9.45	131.47	122.97
2	6N	224	VAL	CA-C-N	-9.45	103.49	121.54
2	6N	224	VAL	C-N-CA	-9.45	103.49	121.54
2	6V	224	VAL	CA-C-N	-9.45	103.49	121.54
2	6V	224	VAL	C-N-CA	-9.45	103.49	121.54
2	63	224	VAL	CA-C-N	-9.45	103.49	121.54
2	63	224	VAL	C-N-CA	-9.45	103.49	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	224	VAL	CA-C-N	-9.45	103.49	121.54
2	67	224	VAL	C-N-CA	-9.45	103.49	121.54
2	7B	224	VAL	CA-C-N	-9.45	103.49	121.54
2	7B	224	VAL	C-N-CA	-9.45	103.49	121.54
2	7F	224	VAL	CA-C-N	-9.45	103.49	121.54
2	7F	224	VAL	C-N-CA	-9.45	103.49	121.54
2	7R	224	VAL	CA-C-N	-9.45	103.49	121.54
2	7R	224	VAL	C-N-CA	-9.45	103.49	121.54
1	1A	68	SER	O-C-N	9.45	135.88	122.94
1	1I	68	SER	O-C-N	9.45	135.88	122.94
1	12	178	SER	O-C-N	9.45	135.06	123.16
1	16	178	SER	O-C-N	9.45	135.06	123.16
1	2A	178	SER	O-C-N	9.45	135.06	123.16
1	2E	68	SER	O-C-N	9.45	135.88	122.94
1	26	68	SER	O-C-N	9.45	135.88	122.94
1	3E	68	SER	O-C-N	9.45	135.88	122.94
1	3Q	178	SER	O-C-N	9.45	135.06	123.16
1	3U	178	SER	O-C-N	9.45	135.06	123.16
1	3Y	178	SER	O-C-N	9.45	135.06	123.16
1	4A	68	SER	O-C-N	9.45	135.88	122.94
1	4M	68	SER	O-C-N	9.45	135.88	122.94
1	4U	68	SER	O-C-N	9.45	135.88	122.94
1	5E	178	SER	O-C-N	9.45	135.06	123.16
1	5I	178	SER	O-C-N	9.45	135.06	123.16
1	5M	178	SER	O-C-N	9.45	135.06	123.16
1	5Q	68	SER	O-C-N	9.45	135.88	122.94
1	6I	68	SER	O-C-N	9.45	135.88	122.94
1	6Q	68	SER	O-C-N	9.45	135.88	122.94
1	62	178	SER	O-C-N	9.45	135.06	123.16
1	66	178	SER	O-C-N	9.45	135.06	123.16
1	7A	178	SER	O-C-N	9.45	135.06	123.16
1	7M	68	SER	O-C-N	9.45	135.88	122.94
2	1F	224	VAL	CA-C-N	-9.44	103.50	121.54
2	1F	224	VAL	C-N-CA	-9.44	103.50	121.54
2	2N	224	VAL	CA-C-N	-9.44	103.50	121.54
2	2N	224	VAL	C-N-CA	-9.44	103.50	121.54
2	23	224	VAL	CA-C-N	-9.44	103.50	121.54
2	23	224	VAL	C-N-CA	-9.44	103.50	121.54
2	3N	224	VAL	CA-C-N	-9.44	103.50	121.54
2	3N	224	VAL	C-N-CA	-9.44	103.50	121.54
2	37	224	VAL	CA-C-N	-9.44	103.50	121.54
2	37	224	VAL	C-N-CA	-9.44	103.50	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4J	224	VAL	CA-C-N	-9.44	103.50	121.54
2	4J	224	VAL	C-N-CA	-9.44	103.50	121.54
2	4R	224	VAL	CA-C-N	-9.44	103.50	121.54
2	4R	224	VAL	C-N-CA	-9.44	103.50	121.54
2	5Z	224	VAL	CA-C-N	-9.44	103.50	121.54
2	5Z	224	VAL	C-N-CA	-9.44	103.50	121.54
2	6F	224	VAL	CA-C-N	-9.44	103.50	121.54
2	6F	224	VAL	C-N-CA	-9.44	103.50	121.54
2	6Z	224	VAL	CA-C-N	-9.44	103.50	121.54
2	6Z	224	VAL	C-N-CA	-9.44	103.50	121.54
2	7J	224	VAL	CA-C-N	-9.44	103.50	121.54
2	7J	224	VAL	C-N-CA	-9.44	103.50	121.54
2	7V	224	VAL	CA-C-N	-9.44	103.50	121.54
2	7V	224	VAL	C-N-CA	-9.44	103.50	121.54
2	13	69	SER	CA-CB-OG	9.44	129.98	111.10
2	17	69	SER	CA-CB-OG	9.44	129.98	111.10
2	2B	69	SER	CA-CB-OG	9.44	129.98	111.10
2	3R	69	SER	CA-CB-OG	9.44	129.98	111.10
2	3V	69	SER	CA-CB-OG	9.44	129.98	111.10
2	3Z	69	SER	CA-CB-OG	9.44	129.98	111.10
2	5F	69	SER	CA-CB-OG	9.44	129.98	111.10
2	5J	69	SER	CA-CB-OG	9.44	129.98	111.10
2	5N	69	SER	CA-CB-OG	9.44	129.98	111.10
2	63	69	SER	CA-CB-OG	9.44	129.98	111.10
2	67	69	SER	CA-CB-OG	9.44	129.98	111.10
2	7B	69	SER	CA-CB-OG	9.44	129.98	111.10
1	1M	178	SER	N-CA-CB	-9.44	95.75	110.85
1	2I	178	SER	N-CA-CB	-9.44	95.75	110.85
1	3A	178	SER	N-CA-CB	-9.44	95.75	110.85
1	3I	178	SER	N-CA-CB	-9.44	95.75	110.85
1	32	178	SER	N-CA-CB	-9.44	95.75	110.85
1	4E	178	SER	N-CA-CB	-9.44	95.75	110.85
1	4Y	178	SER	N-CA-CB	-9.44	95.75	110.85
1	5U	178	SER	N-CA-CB	-9.44	95.75	110.85
1	6M	178	SER	N-CA-CB	-9.44	95.75	110.85
1	6U	178	SER	N-CA-CB	-9.44	95.75	110.85
1	7E	178	SER	N-CA-CB	-9.44	95.75	110.85
1	7Q	178	SER	N-CA-CB	-9.44	95.75	110.85
2	1B	224	VAL	CA-C-N	-9.44	103.52	121.54
2	1B	224	VAL	C-N-CA	-9.44	103.52	121.54
2	1J	224	VAL	CA-C-N	-9.44	103.52	121.54
2	1J	224	VAL	C-N-CA	-9.44	103.52	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1R	224	VAL	CA-C-N	-9.44	103.52	121.54
2	1R	224	VAL	C-N-CA	-9.44	103.52	121.54
2	1V	224	VAL	CA-C-N	-9.44	103.52	121.54
2	1V	224	VAL	C-N-CA	-9.44	103.52	121.54
2	1Z	224	VAL	CA-C-N	-9.44	103.52	121.54
2	1Z	224	VAL	C-N-CA	-9.44	103.52	121.54
2	2F	224	VAL	CA-C-N	-9.44	103.52	121.54
2	2F	224	VAL	C-N-CA	-9.44	103.52	121.54
2	2R	224	VAL	CA-C-N	-9.44	103.52	121.54
2	2R	224	VAL	C-N-CA	-9.44	103.52	121.54
2	2V	224	VAL	CA-C-N	-9.44	103.52	121.54
2	2V	224	VAL	C-N-CA	-9.44	103.52	121.54
2	2Z	224	VAL	CA-C-N	-9.44	103.52	121.54
2	2Z	224	VAL	C-N-CA	-9.44	103.52	121.54
2	27	224	VAL	CA-C-N	-9.44	103.52	121.54
2	27	224	VAL	C-N-CA	-9.44	103.52	121.54
2	3F	224	VAL	CA-C-N	-9.44	103.52	121.54
2	3F	224	VAL	C-N-CA	-9.44	103.52	121.54
2	4B	224	VAL	CA-C-N	-9.44	103.52	121.54
2	4B	224	VAL	C-N-CA	-9.44	103.52	121.54
2	4N	224	VAL	CA-C-N	-9.44	103.52	121.54
2	4N	224	VAL	C-N-CA	-9.44	103.52	121.54
2	4V	224	VAL	CA-C-N	-9.44	103.52	121.54
2	4V	224	VAL	C-N-CA	-9.44	103.52	121.54
2	43	224	VAL	CA-C-N	-9.44	103.52	121.54
2	43	224	VAL	C-N-CA	-9.44	103.52	121.54
2	47	224	VAL	CA-C-N	-9.44	103.52	121.54
2	47	224	VAL	C-N-CA	-9.44	103.52	121.54
2	5B	224	VAL	CA-C-N	-9.44	103.52	121.54
2	5B	224	VAL	C-N-CA	-9.44	103.52	121.54
2	5R	224	VAL	CA-C-N	-9.44	103.52	121.54
2	5R	224	VAL	C-N-CA	-9.44	103.52	121.54
2	53	224	VAL	CA-C-N	-9.44	103.52	121.54
2	53	224	VAL	C-N-CA	-9.44	103.52	121.54
2	57	224	VAL	CA-C-N	-9.44	103.52	121.54
2	57	224	VAL	C-N-CA	-9.44	103.52	121.54
2	6B	224	VAL	CA-C-N	-9.44	103.52	121.54
2	6B	224	VAL	C-N-CA	-9.44	103.52	121.54
2	6J	224	VAL	CA-C-N	-9.44	103.52	121.54
2	6J	224	VAL	C-N-CA	-9.44	103.52	121.54
2	6R	224	VAL	CA-C-N	-9.44	103.52	121.54
2	6R	224	VAL	C-N-CA	-9.44	103.52	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	224	VAL	CA-C-N	-9.44	103.52	121.54
2	7N	224	VAL	C-N-CA	-9.44	103.52	121.54
1	12	178	SER	N-CA-CB	-9.43	95.76	110.85
1	16	178	SER	N-CA-CB	-9.43	95.76	110.85
1	2A	178	SER	N-CA-CB	-9.43	95.76	110.85
1	3Q	178	SER	N-CA-CB	-9.43	95.76	110.85
1	3U	178	SER	N-CA-CB	-9.43	95.76	110.85
1	3Y	178	SER	N-CA-CB	-9.43	95.76	110.85
1	5E	178	SER	N-CA-CB	-9.43	95.76	110.85
1	5I	178	SER	N-CA-CB	-9.43	95.76	110.85
1	5M	178	SER	N-CA-CB	-9.43	95.76	110.85
1	62	178	SER	N-CA-CB	-9.43	95.76	110.85
1	66	178	SER	N-CA-CB	-9.43	95.76	110.85
1	7A	178	SER	N-CA-CB	-9.43	95.76	110.85
1	1E	68	SER	O-C-N	9.42	135.85	122.94
1	2M	68	SER	O-C-N	9.42	135.85	122.94
1	22	68	SER	O-C-N	9.42	135.85	122.94
1	3M	68	SER	O-C-N	9.42	135.85	122.94
1	36	68	SER	O-C-N	9.42	135.85	122.94
1	4I	68	SER	O-C-N	9.42	135.85	122.94
1	4Q	68	SER	O-C-N	9.42	135.85	122.94
1	5Y	68	SER	O-C-N	9.42	135.85	122.94
1	6E	68	SER	O-C-N	9.42	135.85	122.94
1	6Y	68	SER	O-C-N	9.42	135.85	122.94
1	7I	68	SER	O-C-N	9.42	135.85	122.94
1	7U	68	SER	O-C-N	9.42	135.85	122.94
1	1Q	68	SER	O-C-N	9.42	135.84	122.94
1	1U	68	SER	O-C-N	9.42	135.84	122.94
1	1Y	68	SER	O-C-N	9.42	135.84	122.94
1	2Q	68	SER	O-C-N	9.42	135.84	122.94
1	2U	68	SER	O-C-N	9.42	135.84	122.94
1	2Y	68	SER	O-C-N	9.42	135.84	122.94
1	42	68	SER	O-C-N	9.42	135.84	122.94
1	46	68	SER	O-C-N	9.42	135.84	122.94
1	5A	68	SER	O-C-N	9.42	135.84	122.94
1	52	68	SER	O-C-N	9.42	135.84	122.94
1	56	68	SER	O-C-N	9.42	135.84	122.94
1	6A	68	SER	O-C-N	9.42	135.84	122.94
1	1A	178	SER	N-CA-CB	-9.41	95.79	110.85
1	1I	178	SER	N-CA-CB	-9.41	95.79	110.85
1	2E	178	SER	N-CA-CB	-9.41	95.79	110.85
1	26	178	SER	N-CA-CB	-9.41	95.79	110.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	178	SER	N-CA-CB	-9.41	95.79	110.85
1	4A	178	SER	N-CA-CB	-9.41	95.79	110.85
1	4M	178	SER	N-CA-CB	-9.41	95.79	110.85
1	4U	178	SER	N-CA-CB	-9.41	95.79	110.85
1	5Q	178	SER	N-CA-CB	-9.41	95.79	110.85
1	6I	178	SER	N-CA-CB	-9.41	95.79	110.85
1	6Q	178	SER	N-CA-CB	-9.41	95.79	110.85
1	7M	178	SER	N-CA-CB	-9.41	95.79	110.85
2	1F	223	ASP	N-CA-C	-9.41	98.39	110.53
2	2N	223	ASP	N-CA-C	-9.41	98.39	110.53
2	23	223	ASP	N-CA-C	-9.41	98.39	110.53
2	3N	223	ASP	N-CA-C	-9.41	98.39	110.53
2	37	223	ASP	N-CA-C	-9.41	98.39	110.53
2	4J	223	ASP	N-CA-C	-9.41	98.39	110.53
2	4R	223	ASP	N-CA-C	-9.41	98.39	110.53
2	5Z	223	ASP	N-CA-C	-9.41	98.39	110.53
2	6F	223	ASP	N-CA-C	-9.41	98.39	110.53
2	6Z	223	ASP	N-CA-C	-9.41	98.39	110.53
2	7J	223	ASP	N-CA-C	-9.41	98.39	110.53
2	7V	223	ASP	N-CA-C	-9.41	98.39	110.53
1	1M	68	SER	O-C-N	9.41	135.83	122.94
1	1Q	178	SER	N-CA-CB	-9.41	95.80	110.85
1	1U	178	SER	N-CA-CB	-9.41	95.80	110.85
1	1Y	178	SER	N-CA-CB	-9.41	95.80	110.85
1	2I	68	SER	O-C-N	9.41	135.83	122.94
1	2Q	178	SER	N-CA-CB	-9.41	95.80	110.85
1	2U	178	SER	N-CA-CB	-9.41	95.80	110.85
1	2Y	178	SER	N-CA-CB	-9.41	95.80	110.85
1	3A	68	SER	O-C-N	9.41	135.83	122.94
1	3I	68	SER	O-C-N	9.41	135.83	122.94
1	32	68	SER	O-C-N	9.41	135.83	122.94
1	4E	68	SER	O-C-N	9.41	135.83	122.94
1	4Y	68	SER	O-C-N	9.41	135.83	122.94
1	42	178	SER	N-CA-CB	-9.41	95.80	110.85
1	46	178	SER	N-CA-CB	-9.41	95.80	110.85
1	5A	178	SER	N-CA-CB	-9.41	95.80	110.85
1	5U	68	SER	O-C-N	9.41	135.83	122.94
1	52	178	SER	N-CA-CB	-9.41	95.80	110.85
1	56	178	SER	N-CA-CB	-9.41	95.80	110.85
1	6A	178	SER	N-CA-CB	-9.41	95.80	110.85
1	6M	68	SER	O-C-N	9.41	135.83	122.94
1	6U	68	SER	O-C-N	9.41	135.83	122.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	68	SER	O-C-N	9.41	135.83	122.94
1	7Q	68	SER	O-C-N	9.41	135.83	122.94
1	1A	167	GLY	CA-C-O	9.40	136.94	120.57
1	1I	167	GLY	CA-C-O	9.40	136.94	120.57
1	2E	167	GLY	CA-C-O	9.40	136.94	120.57
1	26	167	GLY	CA-C-O	9.40	136.94	120.57
1	3E	167	GLY	CA-C-O	9.40	136.94	120.57
1	4A	167	GLY	CA-C-O	9.40	136.94	120.57
1	4M	167	GLY	CA-C-O	9.40	136.94	120.57
1	4U	167	GLY	CA-C-O	9.40	136.94	120.57
1	5Q	167	GLY	CA-C-O	9.40	136.94	120.57
1	6I	167	GLY	CA-C-O	9.40	136.94	120.57
1	6Q	167	GLY	CA-C-O	9.40	136.94	120.57
1	7M	167	GLY	CA-C-O	9.40	136.94	120.57
2	13	223	ASP	N-CA-C	-9.40	98.40	110.53
2	17	223	ASP	N-CA-C	-9.40	98.40	110.53
2	2B	223	ASP	N-CA-C	-9.40	98.40	110.53
2	3R	223	ASP	N-CA-C	-9.40	98.40	110.53
2	3V	223	ASP	N-CA-C	-9.40	98.40	110.53
2	3Z	223	ASP	N-CA-C	-9.40	98.40	110.53
2	5F	223	ASP	N-CA-C	-9.40	98.40	110.53
2	5J	223	ASP	N-CA-C	-9.40	98.40	110.53
2	5N	223	ASP	N-CA-C	-9.40	98.40	110.53
2	63	223	ASP	N-CA-C	-9.40	98.40	110.53
2	67	223	ASP	N-CA-C	-9.40	98.40	110.53
2	7B	223	ASP	N-CA-C	-9.40	98.40	110.53
1	1E	178	SER	N-CA-CB	-9.40	95.81	110.85
1	12	167	GLY	CA-C-O	9.40	136.93	120.57
1	16	167	GLY	CA-C-O	9.40	136.93	120.57
1	2A	167	GLY	CA-C-O	9.40	136.93	120.57
1	2M	178	SER	N-CA-CB	-9.40	95.81	110.85
1	22	178	SER	N-CA-CB	-9.40	95.81	110.85
1	3M	178	SER	N-CA-CB	-9.40	95.81	110.85
1	3Q	167	GLY	CA-C-O	9.40	136.93	120.57
1	3U	167	GLY	CA-C-O	9.40	136.93	120.57
1	3Y	167	GLY	CA-C-O	9.40	136.93	120.57
1	36	178	SER	N-CA-CB	-9.40	95.81	110.85
1	4I	178	SER	N-CA-CB	-9.40	95.81	110.85
1	4Q	178	SER	N-CA-CB	-9.40	95.81	110.85
1	5E	167	GLY	CA-C-O	9.40	136.93	120.57
1	5I	167	GLY	CA-C-O	9.40	136.93	120.57
1	5M	167	GLY	CA-C-O	9.40	136.93	120.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	178	SER	N-CA-CB	-9.40	95.81	110.85
1	6E	178	SER	N-CA-CB	-9.40	95.81	110.85
1	6Y	178	SER	N-CA-CB	-9.40	95.81	110.85
1	62	167	GLY	CA-C-O	9.40	136.93	120.57
1	66	167	GLY	CA-C-O	9.40	136.93	120.57
1	7A	167	GLY	CA-C-O	9.40	136.93	120.57
1	7I	178	SER	N-CA-CB	-9.40	95.81	110.85
1	7U	178	SER	N-CA-CB	-9.40	95.81	110.85
1	1A	94	THR	CA-C-O	-9.39	107.08	120.51
1	1E	167	GLY	CA-C-O	9.39	136.92	120.57
1	1I	94	THR	CA-C-O	-9.39	107.08	120.51
1	2E	94	THR	CA-C-O	-9.39	107.08	120.51
1	2M	167	GLY	CA-C-O	9.39	136.92	120.57
1	22	167	GLY	CA-C-O	9.39	136.92	120.57
1	26	94	THR	CA-C-O	-9.39	107.08	120.51
1	3E	94	THR	CA-C-O	-9.39	107.08	120.51
1	3M	167	GLY	CA-C-O	9.39	136.92	120.57
1	36	167	GLY	CA-C-O	9.39	136.92	120.57
1	4A	94	THR	CA-C-O	-9.39	107.08	120.51
1	4I	167	GLY	CA-C-O	9.39	136.92	120.57
1	4M	94	THR	CA-C-O	-9.39	107.08	120.51
1	4Q	167	GLY	CA-C-O	9.39	136.92	120.57
1	4U	94	THR	CA-C-O	-9.39	107.08	120.51
1	5Q	94	THR	CA-C-O	-9.39	107.08	120.51
1	5Y	167	GLY	CA-C-O	9.39	136.92	120.57
1	6E	167	GLY	CA-C-O	9.39	136.92	120.57
1	6I	94	THR	CA-C-O	-9.39	107.08	120.51
1	6Q	94	THR	CA-C-O	-9.39	107.08	120.51
1	6Y	167	GLY	CA-C-O	9.39	136.92	120.57
1	7I	167	GLY	CA-C-O	9.39	136.92	120.57
1	7M	94	THR	CA-C-O	-9.39	107.08	120.51
1	7U	167	GLY	CA-C-O	9.39	136.92	120.57
1	12	23	GLY	CA-C-N	-9.39	105.07	121.97
1	12	23	GLY	C-N-CA	-9.39	105.07	121.97
1	16	23	GLY	CA-C-N	-9.39	105.07	121.97
1	16	23	GLY	C-N-CA	-9.39	105.07	121.97
1	2A	23	GLY	CA-C-N	-9.39	105.07	121.97
1	2A	23	GLY	C-N-CA	-9.39	105.07	121.97
1	3Q	23	GLY	CA-C-N	-9.39	105.07	121.97
1	3Q	23	GLY	C-N-CA	-9.39	105.07	121.97
1	3U	23	GLY	CA-C-N	-9.39	105.07	121.97
1	3U	23	GLY	C-N-CA	-9.39	105.07	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Y	23	GLY	CA-C-N	-9.39	105.07	121.97
1	3Y	23	GLY	C-N-CA	-9.39	105.07	121.97
1	5E	23	GLY	CA-C-N	-9.39	105.07	121.97
1	5E	23	GLY	C-N-CA	-9.39	105.07	121.97
1	5I	23	GLY	CA-C-N	-9.39	105.07	121.97
1	5I	23	GLY	C-N-CA	-9.39	105.07	121.97
1	5M	23	GLY	CA-C-N	-9.39	105.07	121.97
1	5M	23	GLY	C-N-CA	-9.39	105.07	121.97
1	62	23	GLY	CA-C-N	-9.39	105.07	121.97
1	62	23	GLY	C-N-CA	-9.39	105.07	121.97
1	66	23	GLY	CA-C-N	-9.39	105.07	121.97
1	66	23	GLY	C-N-CA	-9.39	105.07	121.97
1	7A	23	GLY	CA-C-N	-9.39	105.07	121.97
1	7A	23	GLY	C-N-CA	-9.39	105.07	121.97
1	1M	167	GLY	CA-C-O	9.38	136.90	120.57
1	2I	167	GLY	CA-C-O	9.38	136.90	120.57
1	3A	167	GLY	CA-C-O	9.38	136.90	120.57
1	3I	167	GLY	CA-C-O	9.38	136.90	120.57
1	32	167	GLY	CA-C-O	9.38	136.90	120.57
1	4E	167	GLY	CA-C-O	9.38	136.90	120.57
1	4Y	167	GLY	CA-C-O	9.38	136.90	120.57
1	5U	167	GLY	CA-C-O	9.38	136.90	120.57
1	6M	167	GLY	CA-C-O	9.38	136.90	120.57
1	6U	167	GLY	CA-C-O	9.38	136.90	120.57
1	7E	167	GLY	CA-C-O	9.38	136.90	120.57
1	7Q	167	GLY	CA-C-O	9.38	136.90	120.57
2	1N	223	ASP	N-CA-C	-9.38	98.43	110.53
2	1R	223	ASP	N-CA-C	-9.38	98.43	110.53
2	1V	223	ASP	N-CA-C	-9.38	98.43	110.53
2	1Z	223	ASP	N-CA-C	-9.38	98.43	110.53
2	2J	223	ASP	N-CA-C	-9.38	98.43	110.53
2	2R	223	ASP	N-CA-C	-9.38	98.43	110.53
2	2V	223	ASP	N-CA-C	-9.38	98.43	110.53
2	2Z	223	ASP	N-CA-C	-9.38	98.43	110.53
2	3B	223	ASP	N-CA-C	-9.38	98.43	110.53
2	3J	223	ASP	N-CA-C	-9.38	98.43	110.53
2	33	223	ASP	N-CA-C	-9.38	98.43	110.53
2	4F	223	ASP	N-CA-C	-9.38	98.43	110.53
2	4Z	223	ASP	N-CA-C	-9.38	98.43	110.53
2	43	223	ASP	N-CA-C	-9.38	98.43	110.53
2	47	223	ASP	N-CA-C	-9.38	98.43	110.53
2	5B	223	ASP	N-CA-C	-9.38	98.43	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	223	ASP	N-CA-C	-9.38	98.43	110.53
2	53	223	ASP	N-CA-C	-9.38	98.43	110.53
2	57	223	ASP	N-CA-C	-9.38	98.43	110.53
2	6B	223	ASP	N-CA-C	-9.38	98.43	110.53
2	6N	223	ASP	N-CA-C	-9.38	98.43	110.53
2	6V	223	ASP	N-CA-C	-9.38	98.43	110.53
2	7F	223	ASP	N-CA-C	-9.38	98.43	110.53
2	7R	223	ASP	N-CA-C	-9.38	98.43	110.53
1	1A	23	GLY	CA-C-N	-9.38	105.09	121.97
1	1A	23	GLY	C-N-CA	-9.38	105.09	121.97
1	1I	23	GLY	CA-C-N	-9.38	105.09	121.97
1	1I	23	GLY	C-N-CA	-9.38	105.09	121.97
1	2E	23	GLY	CA-C-N	-9.38	105.09	121.97
1	2E	23	GLY	C-N-CA	-9.38	105.09	121.97
1	26	23	GLY	CA-C-N	-9.38	105.09	121.97
1	26	23	GLY	C-N-CA	-9.38	105.09	121.97
1	3E	23	GLY	CA-C-N	-9.38	105.09	121.97
1	3E	23	GLY	C-N-CA	-9.38	105.09	121.97
1	4A	23	GLY	CA-C-N	-9.38	105.09	121.97
1	4A	23	GLY	C-N-CA	-9.38	105.09	121.97
1	4M	23	GLY	CA-C-N	-9.38	105.09	121.97
1	4M	23	GLY	C-N-CA	-9.38	105.09	121.97
1	4U	23	GLY	CA-C-N	-9.38	105.09	121.97
1	4U	23	GLY	C-N-CA	-9.38	105.09	121.97
1	5Q	23	GLY	CA-C-N	-9.38	105.09	121.97
1	5Q	23	GLY	C-N-CA	-9.38	105.09	121.97
1	6I	23	GLY	CA-C-N	-9.38	105.09	121.97
1	6I	23	GLY	C-N-CA	-9.38	105.09	121.97
1	6Q	23	GLY	CA-C-N	-9.38	105.09	121.97
1	6Q	23	GLY	C-N-CA	-9.38	105.09	121.97
1	7M	23	GLY	CA-C-N	-9.38	105.09	121.97
1	7M	23	GLY	C-N-CA	-9.38	105.09	121.97
2	1F	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
1	1M	23	GLY	CA-C-N	-9.38	105.09	121.97
1	1M	23	GLY	C-N-CA	-9.38	105.09	121.97
1	1Q	167	GLY	CA-C-O	9.38	136.89	120.57
2	1R	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
1	1U	167	GLY	CA-C-O	9.38	136.89	120.57
2	1V	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
1	1Y	167	GLY	CA-C-O	9.38	136.89	120.57
2	1Z	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
2	2N	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2R	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
1	42	167	GLY	CA-C-O	9.38	136.89	120.57
1	1M	94	THR	CA-C-O	-9.38	107.10	120.51
1	2I	23	GLY	CA-C-N	-9.38	105.09	121.97
1	2I	23	GLY	C-N-CA	-9.38	105.09	121.97
1	2Q	167	GLY	CA-C-O	9.38	136.89	120.57
1	2U	167	GLY	CA-C-O	9.38	136.89	120.57
2	2V	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
1	2Y	167	GLY	CA-C-O	9.38	136.89	120.57
2	2Z	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
2	23	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
2	3N	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
1	2I	94	THR	CA-C-O	-9.38	107.10	120.51
1	3A	23	GLY	CA-C-N	-9.38	105.09	121.97
1	3A	23	GLY	C-N-CA	-9.38	105.09	121.97
1	3A	94	THR	CA-C-O	-9.38	107.10	120.51
1	3I	23	GLY	CA-C-N	-9.38	105.09	121.97
1	3I	23	GLY	C-N-CA	-9.38	105.09	121.97
1	6A	167	GLY	CA-C-O	9.38	136.89	120.57
1	3I	94	THR	CA-C-O	-9.38	107.10	120.51
1	32	23	GLY	CA-C-N	-9.38	105.09	121.97
1	32	23	GLY	C-N-CA	-9.38	105.09	121.97
2	37	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
1	32	94	THR	CA-C-O	-9.38	107.10	120.51
1	4E	23	GLY	CA-C-N	-9.38	105.09	121.97
1	4E	23	GLY	C-N-CA	-9.38	105.09	121.97
2	4J	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
2	4R	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
2	43	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
2	47	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
1	56	167	GLY	CA-C-O	9.38	136.89	120.57
1	4E	94	THR	CA-C-O	-9.38	107.10	120.51
1	4Y	23	GLY	CA-C-N	-9.38	105.09	121.97
1	4Y	23	GLY	C-N-CA	-9.38	105.09	121.97
1	46	167	GLY	CA-C-O	9.38	136.89	120.57
1	5A	167	GLY	CA-C-O	9.38	136.89	120.57
2	5B	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
1	4Y	94	THR	CA-C-O	-9.38	107.10	120.51
1	5U	23	GLY	CA-C-N	-9.38	105.09	121.97
1	5U	23	GLY	C-N-CA	-9.38	105.09	121.97
2	5Z	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
1	52	167	GLY	CA-C-O	9.38	136.89	120.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	53	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
2	57	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
2	6B	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
2	6F	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
1	5U	94	THR	CA-C-O	-9.38	107.10	120.51
1	6M	23	GLY	CA-C-N	-9.38	105.09	121.97
1	6M	23	GLY	C-N-CA	-9.38	105.09	121.97
1	6M	94	THR	CA-C-O	-9.38	107.10	120.51
1	6U	23	GLY	CA-C-N	-9.38	105.09	121.97
1	6U	23	GLY	C-N-CA	-9.38	105.09	121.97
2	6Z	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
1	6U	94	THR	CA-C-O	-9.38	107.10	120.51
1	7E	23	GLY	CA-C-N	-9.38	105.09	121.97
1	7E	23	GLY	C-N-CA	-9.38	105.09	121.97
2	7J	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
1	7E	94	THR	CA-C-O	-9.38	107.10	120.51
1	7Q	23	GLY	CA-C-N	-9.38	105.09	121.97
1	7Q	23	GLY	C-N-CA	-9.38	105.09	121.97
2	7V	227	TYR	CE1-CZ-CE2	-9.38	101.54	120.30
1	7Q	94	THR	CA-C-O	-9.38	107.10	120.51
2	1B	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	1J	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	1N	17	THR	OG1-CB-CG2	9.38	128.05	109.30
2	1N	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	13	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	17	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	2B	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	2F	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	2J	17	THR	OG1-CB-CG2	9.38	128.05	109.30
2	2J	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	27	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	3B	17	THR	OG1-CB-CG2	9.38	128.05	109.30
2	3B	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	3F	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	3J	17	THR	OG1-CB-CG2	9.38	128.05	109.30
2	3J	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	3R	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	3V	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	3Z	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	33	17	THR	OG1-CB-CG2	9.38	128.05	109.30
2	33	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	4B	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	17	THR	OG1-CB-CG2	9.38	128.05	109.30
2	4F	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	4N	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	4V	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	4Z	17	THR	OG1-CB-CG2	9.38	128.05	109.30
2	4Z	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	5F	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	5J	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	5N	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	5R	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	5V	17	THR	OG1-CB-CG2	9.38	128.05	109.30
2	5V	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	6J	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	6N	17	THR	OG1-CB-CG2	9.38	128.05	109.30
2	6N	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	6R	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	6V	17	THR	OG1-CB-CG2	9.38	128.05	109.30
2	6V	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	63	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	67	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	7B	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	7F	17	THR	OG1-CB-CG2	9.38	128.05	109.30
2	7F	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	7N	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	7R	17	THR	OG1-CB-CG2	9.38	128.05	109.30
2	7R	227	TYR	CE1-CZ-CE2	-9.38	101.55	120.30
2	1B	223	ASP	N-CA-C	-9.37	98.44	110.53
2	1J	223	ASP	N-CA-C	-9.37	98.44	110.53
1	1Q	94	THR	CA-C-O	-9.37	107.11	120.51
1	1Y	94	THR	CA-C-O	-9.37	107.11	120.51
2	2F	223	ASP	N-CA-C	-9.37	98.44	110.53
1	2Q	94	THR	CA-C-O	-9.37	107.11	120.51
1	2Y	94	THR	CA-C-O	-9.37	107.11	120.51
2	27	223	ASP	N-CA-C	-9.37	98.44	110.53
1	42	94	THR	CA-C-O	-9.37	107.11	120.51
1	6A	94	THR	CA-C-O	-9.37	107.11	120.51
2	6R	223	ASP	N-CA-C	-9.37	98.44	110.53
1	1E	23	GLY	CA-C-N	-9.37	105.10	121.97
1	1E	23	GLY	C-N-CA	-9.37	105.10	121.97
2	1F	17	THR	OG1-CB-CG2	9.37	128.04	109.30
1	1U	94	THR	CA-C-O	-9.37	107.11	120.51
1	2M	23	GLY	CA-C-N	-9.37	105.10	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	23	GLY	C-N-CA	-9.37	105.10	121.97
2	2N	17	THR	OG1-CB-CG2	9.37	128.04	109.30
1	2U	94	THR	CA-C-O	-9.37	107.11	120.51
2	3F	223	ASP	N-CA-C	-9.37	98.44	110.53
2	4N	223	ASP	N-CA-C	-9.37	98.44	110.53
2	4V	223	ASP	N-CA-C	-9.37	98.44	110.53
1	22	23	GLY	CA-C-N	-9.37	105.10	121.97
1	22	23	GLY	C-N-CA	-9.37	105.10	121.97
2	23	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	4B	223	ASP	N-CA-C	-9.37	98.44	110.53
1	3M	23	GLY	CA-C-N	-9.37	105.10	121.97
1	3M	23	GLY	C-N-CA	-9.37	105.10	121.97
2	3N	17	THR	OG1-CB-CG2	9.37	128.04	109.30
1	5A	94	THR	CA-C-O	-9.37	107.11	120.51
1	36	23	GLY	CA-C-N	-9.37	105.10	121.97
1	36	23	GLY	C-N-CA	-9.37	105.10	121.97
2	37	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	5R	223	ASP	N-CA-C	-9.37	98.44	110.53
1	52	94	THR	CA-C-O	-9.37	107.11	120.51
1	4I	23	GLY	CA-C-N	-9.37	105.10	121.97
1	4I	23	GLY	C-N-CA	-9.37	105.10	121.97
2	4J	17	THR	OG1-CB-CG2	9.37	128.04	109.30
1	4Q	23	GLY	CA-C-N	-9.37	105.10	121.97
1	4Q	23	GLY	C-N-CA	-9.37	105.10	121.97
2	4R	17	THR	OG1-CB-CG2	9.37	128.04	109.30
1	46	94	THR	CA-C-O	-9.37	107.11	120.51
1	5Y	23	GLY	CA-C-N	-9.37	105.10	121.97
1	5Y	23	GLY	C-N-CA	-9.37	105.10	121.97
2	5Z	17	THR	OG1-CB-CG2	9.37	128.04	109.30
1	56	94	THR	CA-C-O	-9.37	107.11	120.51
2	6J	223	ASP	N-CA-C	-9.37	98.44	110.53
1	6E	23	GLY	CA-C-N	-9.37	105.10	121.97
1	6E	23	GLY	C-N-CA	-9.37	105.10	121.97
2	6F	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	7N	223	ASP	N-CA-C	-9.37	98.44	110.53
1	6Y	23	GLY	CA-C-N	-9.37	105.10	121.97
1	6Y	23	GLY	C-N-CA	-9.37	105.10	121.97
2	6Z	17	THR	OG1-CB-CG2	9.37	128.04	109.30
1	7I	23	GLY	CA-C-N	-9.37	105.10	121.97
1	7I	23	GLY	C-N-CA	-9.37	105.10	121.97
2	7J	17	THR	OG1-CB-CG2	9.37	128.04	109.30
1	7U	23	GLY	CA-C-N	-9.37	105.10	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	23	GLY	C-N-CA	-9.37	105.10	121.97
2	7V	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	1B	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	1J	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	1R	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	1V	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	1Z	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	2F	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	2R	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	2V	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	2Z	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	27	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	3F	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	4B	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	4N	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	4V	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	43	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	47	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	5B	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	5R	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	53	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	57	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	6B	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	6J	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	6R	17	THR	OG1-CB-CG2	9.37	128.04	109.30
2	7N	17	THR	OG1-CB-CG2	9.37	128.04	109.30
1	1Q	23	GLY	CA-C-N	-9.37	105.11	121.97
1	1Q	23	GLY	C-N-CA	-9.37	105.11	121.97
1	1U	23	GLY	CA-C-N	-9.37	105.11	121.97
1	1U	23	GLY	C-N-CA	-9.37	105.11	121.97
1	1Y	23	GLY	CA-C-N	-9.37	105.11	121.97
1	1Y	23	GLY	C-N-CA	-9.37	105.11	121.97
1	2Q	23	GLY	CA-C-N	-9.37	105.11	121.97
1	2Q	23	GLY	C-N-CA	-9.37	105.11	121.97
1	2U	23	GLY	CA-C-N	-9.37	105.11	121.97
1	2U	23	GLY	C-N-CA	-9.37	105.11	121.97
1	2Y	23	GLY	CA-C-N	-9.37	105.11	121.97
1	2Y	23	GLY	C-N-CA	-9.37	105.11	121.97
1	42	23	GLY	CA-C-N	-9.37	105.11	121.97
1	42	23	GLY	C-N-CA	-9.37	105.11	121.97
1	46	23	GLY	CA-C-N	-9.37	105.11	121.97
1	46	23	GLY	C-N-CA	-9.37	105.11	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	23	GLY	CA-C-N	-9.37	105.11	121.97
1	5A	23	GLY	C-N-CA	-9.37	105.11	121.97
1	52	23	GLY	CA-C-N	-9.37	105.11	121.97
1	52	23	GLY	C-N-CA	-9.37	105.11	121.97
1	56	23	GLY	CA-C-N	-9.37	105.11	121.97
1	56	23	GLY	C-N-CA	-9.37	105.11	121.97
1	6A	23	GLY	CA-C-N	-9.37	105.11	121.97
1	6A	23	GLY	C-N-CA	-9.37	105.11	121.97
2	1F	57	LYS	CB-CG-CD	-9.36	89.77	111.30
2	2N	57	LYS	CB-CG-CD	-9.36	89.77	111.30
2	23	57	LYS	CB-CG-CD	-9.36	89.77	111.30
2	3N	57	LYS	CB-CG-CD	-9.36	89.77	111.30
2	37	57	LYS	CB-CG-CD	-9.36	89.77	111.30
2	4J	57	LYS	CB-CG-CD	-9.36	89.77	111.30
2	4R	57	LYS	CB-CG-CD	-9.36	89.77	111.30
2	5Z	57	LYS	CB-CG-CD	-9.36	89.77	111.30
2	6F	57	LYS	CB-CG-CD	-9.36	89.77	111.30
2	6Z	57	LYS	CB-CG-CD	-9.36	89.77	111.30
2	7J	57	LYS	CB-CG-CD	-9.36	89.77	111.30
2	7V	57	LYS	CB-CG-CD	-9.36	89.77	111.30
1	1E	94	THR	CA-C-O	-9.36	107.13	120.51
2	1N	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	1R	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	1V	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	1Z	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	2J	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	4Z	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	13	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	17	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	2B	57	LYS	CB-CG-CD	-9.36	89.78	111.30
1	2M	94	THR	CA-C-O	-9.36	107.13	120.51
2	2R	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	2V	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	2Z	57	LYS	CB-CG-CD	-9.36	89.78	111.30
1	22	94	THR	CA-C-O	-9.36	107.13	120.51
2	3B	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	3J	57	LYS	CB-CG-CD	-9.36	89.78	111.30
1	3M	94	THR	CA-C-O	-9.36	107.13	120.51
2	33	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	3R	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	3V	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	3Z	57	LYS	CB-CG-CD	-9.36	89.78	111.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	94	THR	CA-C-O	-9.36	107.13	120.51
2	4F	57	LYS	CB-CG-CD	-9.36	89.78	111.30
1	4I	94	THR	CA-C-O	-9.36	107.13	120.51
1	4Q	94	THR	CA-C-O	-9.36	107.13	120.51
2	43	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	47	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	5B	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	5V	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	6N	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	6V	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	5F	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	5J	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	5N	57	LYS	CB-CG-CD	-9.36	89.78	111.30
1	5Y	94	THR	CA-C-O	-9.36	107.13	120.51
2	53	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	57	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	6B	57	LYS	CB-CG-CD	-9.36	89.78	111.30
1	6E	94	THR	CA-C-O	-9.36	107.13	120.51
1	6Y	94	THR	CA-C-O	-9.36	107.13	120.51
2	7F	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	7R	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	63	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	67	57	LYS	CB-CG-CD	-9.36	89.78	111.30
2	7B	57	LYS	CB-CG-CD	-9.36	89.78	111.30
1	7I	94	THR	CA-C-O	-9.36	107.13	120.51
1	7U	94	THR	CA-C-O	-9.36	107.13	120.51
2	13	17	THR	OG1-CB-CG2	9.35	128.01	109.30
2	17	17	THR	OG1-CB-CG2	9.35	128.01	109.30
2	2B	17	THR	OG1-CB-CG2	9.35	128.01	109.30
2	3R	17	THR	OG1-CB-CG2	9.35	128.01	109.30
2	3V	17	THR	OG1-CB-CG2	9.35	128.01	109.30
2	3Z	17	THR	OG1-CB-CG2	9.35	128.01	109.30
2	5F	17	THR	OG1-CB-CG2	9.35	128.01	109.30
2	5J	17	THR	OG1-CB-CG2	9.35	128.01	109.30
2	5N	17	THR	OG1-CB-CG2	9.35	128.01	109.30
2	63	17	THR	OG1-CB-CG2	9.35	128.01	109.30
2	67	17	THR	OG1-CB-CG2	9.35	128.01	109.30
2	7B	17	THR	OG1-CB-CG2	9.35	128.01	109.30
2	1B	57	LYS	CB-CG-CD	-9.35	89.79	111.30
2	1J	57	LYS	CB-CG-CD	-9.35	89.79	111.30
2	2F	57	LYS	CB-CG-CD	-9.35	89.79	111.30
2	27	57	LYS	CB-CG-CD	-9.35	89.79	111.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	57	LYS	CB-CG-CD	-9.35	89.79	111.30
2	4B	57	LYS	CB-CG-CD	-9.35	89.79	111.30
2	4N	57	LYS	CB-CG-CD	-9.35	89.79	111.30
2	4V	57	LYS	CB-CG-CD	-9.35	89.79	111.30
2	5R	57	LYS	CB-CG-CD	-9.35	89.79	111.30
2	6J	57	LYS	CB-CG-CD	-9.35	89.79	111.30
2	6R	57	LYS	CB-CG-CD	-9.35	89.79	111.30
2	7N	57	LYS	CB-CG-CD	-9.35	89.79	111.30
1	12	94	THR	CA-C-O	-9.34	107.15	120.51
1	16	94	THR	CA-C-O	-9.34	107.15	120.51
1	2A	94	THR	CA-C-O	-9.34	107.15	120.51
1	3Q	94	THR	CA-C-O	-9.34	107.15	120.51
1	3U	94	THR	CA-C-O	-9.34	107.15	120.51
1	3Y	94	THR	CA-C-O	-9.34	107.15	120.51
1	5E	94	THR	CA-C-O	-9.34	107.15	120.51
1	5I	94	THR	CA-C-O	-9.34	107.15	120.51
1	5M	94	THR	CA-C-O	-9.34	107.15	120.51
1	62	94	THR	CA-C-O	-9.34	107.15	120.51
1	66	94	THR	CA-C-O	-9.34	107.15	120.51
1	7A	94	THR	CA-C-O	-9.34	107.15	120.51
2	1F	4	GLU	CA-C-O	-9.32	107.17	120.51
2	2N	4	GLU	CA-C-O	-9.32	107.17	120.51
2	23	4	GLU	CA-C-O	-9.32	107.17	120.51
2	3N	4	GLU	CA-C-O	-9.32	107.17	120.51
2	37	4	GLU	CA-C-O	-9.32	107.17	120.51
2	4J	4	GLU	CA-C-O	-9.32	107.17	120.51
2	4R	4	GLU	CA-C-O	-9.32	107.17	120.51
2	5Z	4	GLU	CA-C-O	-9.32	107.17	120.51
2	6F	4	GLU	CA-C-O	-9.32	107.17	120.51
2	6Z	4	GLU	CA-C-O	-9.32	107.17	120.51
2	7J	4	GLU	CA-C-O	-9.32	107.17	120.51
2	7V	4	GLU	CA-C-O	-9.32	107.17	120.51
2	1N	4	GLU	CA-C-O	-9.32	107.18	120.51
2	2J	4	GLU	CA-C-O	-9.32	107.18	120.51
2	3B	4	GLU	CA-C-O	-9.32	107.18	120.51
2	3J	4	GLU	CA-C-O	-9.32	107.18	120.51
2	33	4	GLU	CA-C-O	-9.32	107.18	120.51
2	4F	4	GLU	CA-C-O	-9.32	107.18	120.51
2	4Z	4	GLU	CA-C-O	-9.32	107.18	120.51
2	5V	4	GLU	CA-C-O	-9.32	107.18	120.51
2	6N	4	GLU	CA-C-O	-9.32	107.18	120.51
2	6V	4	GLU	CA-C-O	-9.32	107.18	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	4	GLU	CA-C-O	-9.32	107.18	120.51
2	7R	4	GLU	CA-C-O	-9.32	107.18	120.51
2	1B	4	GLU	CA-C-O	-9.29	107.23	120.51
2	1J	4	GLU	CA-C-O	-9.29	107.23	120.51
2	2F	4	GLU	CA-C-O	-9.29	107.23	120.51
2	27	4	GLU	CA-C-O	-9.29	107.23	120.51
2	3F	4	GLU	CA-C-O	-9.29	107.23	120.51
2	4B	4	GLU	CA-C-O	-9.29	107.23	120.51
2	4N	4	GLU	CA-C-O	-9.29	107.23	120.51
2	4V	4	GLU	CA-C-O	-9.29	107.23	120.51
2	5R	4	GLU	CA-C-O	-9.29	107.23	120.51
2	6J	4	GLU	CA-C-O	-9.29	107.23	120.51
2	6R	4	GLU	CA-C-O	-9.29	107.23	120.51
2	7N	4	GLU	CA-C-O	-9.29	107.23	120.51
2	13	4	GLU	CA-C-O	-9.29	107.23	120.51
2	17	4	GLU	CA-C-O	-9.29	107.23	120.51
2	2B	4	GLU	CA-C-O	-9.29	107.23	120.51
2	3R	4	GLU	CA-C-O	-9.29	107.23	120.51
2	3V	4	GLU	CA-C-O	-9.29	107.23	120.51
2	3Z	4	GLU	CA-C-O	-9.29	107.23	120.51
2	5F	4	GLU	CA-C-O	-9.29	107.23	120.51
2	5J	4	GLU	CA-C-O	-9.29	107.23	120.51
2	5N	4	GLU	CA-C-O	-9.29	107.23	120.51
2	63	4	GLU	CA-C-O	-9.29	107.23	120.51
2	67	4	GLU	CA-C-O	-9.29	107.23	120.51
2	7B	4	GLU	CA-C-O	-9.29	107.23	120.51
2	1R	74	TYR	CA-C-O	9.28	131.95	120.54
2	1V	74	TYR	CA-C-O	9.28	131.95	120.54
2	1Z	74	TYR	CA-C-O	9.28	131.95	120.54
2	2R	74	TYR	CA-C-O	9.28	131.95	120.54
2	2V	74	TYR	CA-C-O	9.28	131.95	120.54
2	2Z	74	TYR	CA-C-O	9.28	131.95	120.54
2	43	74	TYR	CA-C-O	9.28	131.95	120.54
2	47	74	TYR	CA-C-O	9.28	131.95	120.54
2	5B	74	TYR	CA-C-O	9.28	131.95	120.54
2	53	74	TYR	CA-C-O	9.28	131.95	120.54
2	57	74	TYR	CA-C-O	9.28	131.95	120.54
2	6B	74	TYR	CA-C-O	9.28	131.95	120.54
2	1R	4	GLU	CA-C-O	-9.27	107.25	120.51
2	1V	4	GLU	CA-C-O	-9.27	107.25	120.51
2	1Z	4	GLU	CA-C-O	-9.27	107.25	120.51
2	13	74	TYR	CA-C-O	9.27	131.95	120.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	17	74	TYR	CA-C-O	9.27	131.95	120.54
2	2B	74	TYR	CA-C-O	9.27	131.95	120.54
2	2R	4	GLU	CA-C-O	-9.27	107.25	120.51
2	2V	4	GLU	CA-C-O	-9.27	107.25	120.51
2	2Z	4	GLU	CA-C-O	-9.27	107.25	120.51
2	3R	74	TYR	CA-C-O	9.27	131.95	120.54
2	3V	74	TYR	CA-C-O	9.27	131.95	120.54
2	3Z	74	TYR	CA-C-O	9.27	131.95	120.54
2	43	4	GLU	CA-C-O	-9.27	107.25	120.51
2	47	4	GLU	CA-C-O	-9.27	107.25	120.51
2	5B	4	GLU	CA-C-O	-9.27	107.25	120.51
2	5F	74	TYR	CA-C-O	9.27	131.95	120.54
2	5J	74	TYR	CA-C-O	9.27	131.95	120.54
2	5N	74	TYR	CA-C-O	9.27	131.95	120.54
2	53	4	GLU	CA-C-O	-9.27	107.25	120.51
2	57	4	GLU	CA-C-O	-9.27	107.25	120.51
2	6B	4	GLU	CA-C-O	-9.27	107.25	120.51
2	63	74	TYR	CA-C-O	9.27	131.95	120.54
2	67	74	TYR	CA-C-O	9.27	131.95	120.54
2	7B	74	TYR	CA-C-O	9.27	131.95	120.54
2	1N	74	TYR	CA-C-O	9.27	131.94	120.54
2	2J	74	TYR	CA-C-O	9.27	131.94	120.54
2	3B	74	TYR	CA-C-O	9.27	131.94	120.54
2	3J	74	TYR	CA-C-O	9.27	131.94	120.54
2	33	74	TYR	CA-C-O	9.27	131.94	120.54
2	4F	74	TYR	CA-C-O	9.27	131.94	120.54
2	4Z	74	TYR	CA-C-O	9.27	131.94	120.54
2	5V	74	TYR	CA-C-O	9.27	131.94	120.54
2	6N	74	TYR	CA-C-O	9.27	131.94	120.54
2	6V	74	TYR	CA-C-O	9.27	131.94	120.54
2	7F	74	TYR	CA-C-O	9.27	131.94	120.54
2	7R	74	TYR	CA-C-O	9.27	131.94	120.54
2	1F	74	TYR	CA-C-O	9.26	131.93	120.54
2	2N	74	TYR	CA-C-O	9.26	131.93	120.54
2	23	74	TYR	CA-C-O	9.26	131.93	120.54
2	3N	74	TYR	CA-C-O	9.26	131.93	120.54
2	37	74	TYR	CA-C-O	9.26	131.93	120.54
2	4J	74	TYR	CA-C-O	9.26	131.93	120.54
2	4R	74	TYR	CA-C-O	9.26	131.93	120.54
2	5Z	74	TYR	CA-C-O	9.26	131.93	120.54
2	6F	74	TYR	CA-C-O	9.26	131.93	120.54
2	6Z	74	TYR	CA-C-O	9.26	131.93	120.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	74	TYR	CA-C-O	9.26	131.93	120.54
2	7V	74	TYR	CA-C-O	9.26	131.93	120.54
2	1B	74	TYR	CA-C-O	9.26	131.93	120.54
2	1J	74	TYR	CA-C-O	9.26	131.93	120.54
2	2F	74	TYR	CA-C-O	9.26	131.93	120.54
2	27	74	TYR	CA-C-O	9.26	131.93	120.54
2	3F	74	TYR	CA-C-O	9.26	131.93	120.54
2	4B	74	TYR	CA-C-O	9.26	131.93	120.54
2	4N	74	TYR	CA-C-O	9.26	131.93	120.54
2	4V	74	TYR	CA-C-O	9.26	131.93	120.54
2	5R	74	TYR	CA-C-O	9.26	131.93	120.54
2	6J	74	TYR	CA-C-O	9.26	131.93	120.54
2	6R	74	TYR	CA-C-O	9.26	131.93	120.54
2	7N	74	TYR	CA-C-O	9.26	131.93	120.54
2	1R	216	ASN	CB-CG-ND2	-9.24	102.53	116.40
2	1V	216	ASN	CB-CG-ND2	-9.24	102.53	116.40
2	1Z	216	ASN	CB-CG-ND2	-9.24	102.53	116.40
2	2R	216	ASN	CB-CG-ND2	-9.24	102.53	116.40
2	2V	216	ASN	CB-CG-ND2	-9.24	102.53	116.40
2	2Z	216	ASN	CB-CG-ND2	-9.24	102.53	116.40
2	43	216	ASN	CB-CG-ND2	-9.24	102.53	116.40
2	47	216	ASN	CB-CG-ND2	-9.24	102.53	116.40
2	5B	216	ASN	CB-CG-ND2	-9.24	102.53	116.40
2	53	216	ASN	CB-CG-ND2	-9.24	102.53	116.40
2	57	216	ASN	CB-CG-ND2	-9.24	102.53	116.40
2	6B	216	ASN	CB-CG-ND2	-9.24	102.53	116.40
2	1B	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	1J	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	2F	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	27	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	3F	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	4B	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	4N	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	4V	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	5R	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	6J	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	6R	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	7N	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	1F	216	ASN	CB-CG-ND2	-9.24	102.55	116.40
2	1N	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	2J	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	2N	216	ASN	CB-CG-ND2	-9.24	102.55	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	216	ASN	CB-CG-ND2	-9.24	102.55	116.40
2	3B	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	3J	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	3N	216	ASN	CB-CG-ND2	-9.24	102.55	116.40
2	33	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	37	216	ASN	CB-CG-ND2	-9.24	102.55	116.40
2	4F	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	4J	216	ASN	CB-CG-ND2	-9.24	102.55	116.40
2	4R	216	ASN	CB-CG-ND2	-9.24	102.55	116.40
2	4Z	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	5V	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	5Z	216	ASN	CB-CG-ND2	-9.24	102.55	116.40
2	6F	216	ASN	CB-CG-ND2	-9.24	102.55	116.40
2	6N	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	6V	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	6Z	216	ASN	CB-CG-ND2	-9.24	102.55	116.40
2	7F	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	7J	216	ASN	CB-CG-ND2	-9.24	102.55	116.40
2	7R	216	ASN	CB-CG-ND2	-9.24	102.54	116.40
2	7V	216	ASN	CB-CG-ND2	-9.24	102.55	116.40
2	13	216	ASN	CB-CG-ND2	-9.22	102.56	116.40
2	17	216	ASN	CB-CG-ND2	-9.22	102.56	116.40
2	2B	216	ASN	CB-CG-ND2	-9.22	102.56	116.40
2	3R	216	ASN	CB-CG-ND2	-9.22	102.56	116.40
2	3V	216	ASN	CB-CG-ND2	-9.22	102.56	116.40
2	3Z	216	ASN	CB-CG-ND2	-9.22	102.56	116.40
2	5F	216	ASN	CB-CG-ND2	-9.22	102.56	116.40
2	5J	216	ASN	CB-CG-ND2	-9.22	102.56	116.40
2	5N	216	ASN	CB-CG-ND2	-9.22	102.56	116.40
2	63	216	ASN	CB-CG-ND2	-9.22	102.56	116.40
2	67	216	ASN	CB-CG-ND2	-9.22	102.56	116.40
2	7B	216	ASN	CB-CG-ND2	-9.22	102.56	116.40
1	1Q	41	ILE	N-CA-C	-9.21	94.91	108.54
1	1U	41	ILE	N-CA-C	-9.21	94.91	108.54
1	1Y	41	ILE	N-CA-C	-9.21	94.91	108.54
1	2Q	41	ILE	N-CA-C	-9.21	94.91	108.54
1	2U	41	ILE	N-CA-C	-9.21	94.91	108.54
1	2Y	41	ILE	N-CA-C	-9.21	94.91	108.54
1	42	41	ILE	N-CA-C	-9.21	94.91	108.54
1	46	41	ILE	N-CA-C	-9.21	94.91	108.54
1	5A	41	ILE	N-CA-C	-9.21	94.91	108.54
1	52	41	ILE	N-CA-C	-9.21	94.91	108.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	41	ILE	N-CA-C	-9.21	94.91	108.54
1	6A	41	ILE	N-CA-C	-9.21	94.91	108.54
1	1A	13	ALA	CA-C-N	9.21	138.27	121.70
1	1A	13	ALA	C-N-CA	9.21	138.27	121.70
1	1I	13	ALA	CA-C-N	9.21	138.27	121.70
1	1I	13	ALA	C-N-CA	9.21	138.27	121.70
1	1Q	13	ALA	CA-C-N	9.21	138.27	121.70
1	1Q	13	ALA	C-N-CA	9.21	138.27	121.70
1	1U	13	ALA	CA-C-N	9.21	138.27	121.70
1	1U	13	ALA	C-N-CA	9.21	138.27	121.70
1	1Y	13	ALA	CA-C-N	9.21	138.27	121.70
1	1Y	13	ALA	C-N-CA	9.21	138.27	121.70
1	2E	13	ALA	CA-C-N	9.21	138.27	121.70
1	2E	13	ALA	C-N-CA	9.21	138.27	121.70
1	2Q	13	ALA	CA-C-N	9.21	138.27	121.70
1	2Q	13	ALA	C-N-CA	9.21	138.27	121.70
1	2U	13	ALA	CA-C-N	9.21	138.27	121.70
1	2U	13	ALA	C-N-CA	9.21	138.27	121.70
1	2Y	13	ALA	CA-C-N	9.21	138.27	121.70
1	2Y	13	ALA	C-N-CA	9.21	138.27	121.70
1	26	13	ALA	CA-C-N	9.21	138.27	121.70
1	26	13	ALA	C-N-CA	9.21	138.27	121.70
1	3E	13	ALA	CA-C-N	9.21	138.27	121.70
1	3E	13	ALA	C-N-CA	9.21	138.27	121.70
1	4A	13	ALA	CA-C-N	9.21	138.27	121.70
1	4A	13	ALA	C-N-CA	9.21	138.27	121.70
1	4M	13	ALA	CA-C-N	9.21	138.27	121.70
1	4M	13	ALA	C-N-CA	9.21	138.27	121.70
1	4U	13	ALA	CA-C-N	9.21	138.27	121.70
1	4U	13	ALA	C-N-CA	9.21	138.27	121.70
1	42	13	ALA	CA-C-N	9.21	138.27	121.70
1	42	13	ALA	C-N-CA	9.21	138.27	121.70
1	46	13	ALA	CA-C-N	9.21	138.27	121.70
1	46	13	ALA	C-N-CA	9.21	138.27	121.70
1	5A	13	ALA	CA-C-N	9.21	138.27	121.70
1	5A	13	ALA	C-N-CA	9.21	138.27	121.70
1	5Q	13	ALA	CA-C-N	9.21	138.27	121.70
1	5Q	13	ALA	C-N-CA	9.21	138.27	121.70
1	52	13	ALA	CA-C-N	9.21	138.27	121.70
1	52	13	ALA	C-N-CA	9.21	138.27	121.70
1	56	13	ALA	CA-C-N	9.21	138.27	121.70
1	56	13	ALA	C-N-CA	9.21	138.27	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6A	13	ALA	CA-C-N	9.21	138.27	121.70
1	6A	13	ALA	C-N-CA	9.21	138.27	121.70
1	6I	13	ALA	CA-C-N	9.21	138.27	121.70
1	6I	13	ALA	C-N-CA	9.21	138.27	121.70
1	6Q	13	ALA	CA-C-N	9.21	138.27	121.70
1	6Q	13	ALA	C-N-CA	9.21	138.27	121.70
1	7M	13	ALA	CA-C-N	9.21	138.27	121.70
1	7M	13	ALA	C-N-CA	9.21	138.27	121.70
1	1E	13	ALA	CA-C-N	9.20	138.26	121.70
1	1E	13	ALA	C-N-CA	9.20	138.26	121.70
1	2M	13	ALA	CA-C-N	9.20	138.26	121.70
1	2M	13	ALA	C-N-CA	9.20	138.26	121.70
1	22	13	ALA	CA-C-N	9.20	138.26	121.70
1	22	13	ALA	C-N-CA	9.20	138.26	121.70
1	3M	13	ALA	CA-C-N	9.20	138.26	121.70
1	3M	13	ALA	C-N-CA	9.20	138.26	121.70
1	36	13	ALA	CA-C-N	9.20	138.26	121.70
1	36	13	ALA	C-N-CA	9.20	138.26	121.70
1	4I	13	ALA	CA-C-N	9.20	138.26	121.70
1	4I	13	ALA	C-N-CA	9.20	138.26	121.70
1	4Q	13	ALA	CA-C-N	9.20	138.26	121.70
1	4Q	13	ALA	C-N-CA	9.20	138.26	121.70
1	5Y	13	ALA	CA-C-N	9.20	138.26	121.70
1	5Y	13	ALA	C-N-CA	9.20	138.26	121.70
1	6E	13	ALA	CA-C-N	9.20	138.26	121.70
1	6E	13	ALA	C-N-CA	9.20	138.26	121.70
1	6Y	13	ALA	CA-C-N	9.20	138.26	121.70
1	6Y	13	ALA	C-N-CA	9.20	138.26	121.70
1	7I	13	ALA	CA-C-N	9.20	138.26	121.70
1	7I	13	ALA	C-N-CA	9.20	138.26	121.70
1	7U	13	ALA	CA-C-N	9.20	138.26	121.70
1	7U	13	ALA	C-N-CA	9.20	138.26	121.70
1	12	13	ALA	CA-C-N	9.20	138.25	121.70
1	12	13	ALA	C-N-CA	9.20	138.25	121.70
1	16	13	ALA	CA-C-N	9.20	138.25	121.70
1	16	13	ALA	C-N-CA	9.20	138.25	121.70
1	2A	13	ALA	CA-C-N	9.20	138.25	121.70
1	2A	13	ALA	C-N-CA	9.20	138.25	121.70
1	3Q	13	ALA	CA-C-N	9.20	138.25	121.70
1	3Q	13	ALA	C-N-CA	9.20	138.25	121.70
1	3U	13	ALA	CA-C-N	9.20	138.25	121.70
1	3U	13	ALA	C-N-CA	9.20	138.25	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Y	13	ALA	CA-C-N	9.20	138.25	121.70
1	3Y	13	ALA	C-N-CA	9.20	138.25	121.70
1	5E	13	ALA	CA-C-N	9.20	138.25	121.70
1	5E	13	ALA	C-N-CA	9.20	138.25	121.70
1	5I	13	ALA	CA-C-N	9.20	138.25	121.70
1	5I	13	ALA	C-N-CA	9.20	138.25	121.70
1	5M	13	ALA	CA-C-N	9.20	138.25	121.70
1	5M	13	ALA	C-N-CA	9.20	138.25	121.70
1	62	13	ALA	CA-C-N	9.20	138.25	121.70
1	62	13	ALA	C-N-CA	9.20	138.25	121.70
1	66	13	ALA	CA-C-N	9.20	138.25	121.70
1	66	13	ALA	C-N-CA	9.20	138.25	121.70
1	7A	13	ALA	CA-C-N	9.20	138.25	121.70
1	7A	13	ALA	C-N-CA	9.20	138.25	121.70
1	1E	41	ILE	N-CA-C	-9.19	94.94	108.54
1	2M	41	ILE	N-CA-C	-9.19	94.94	108.54
1	22	41	ILE	N-CA-C	-9.19	94.94	108.54
1	3M	41	ILE	N-CA-C	-9.19	94.94	108.54
1	36	41	ILE	N-CA-C	-9.19	94.94	108.54
1	4I	41	ILE	N-CA-C	-9.19	94.94	108.54
1	4Q	41	ILE	N-CA-C	-9.19	94.94	108.54
1	5Y	41	ILE	N-CA-C	-9.19	94.94	108.54
1	6E	41	ILE	N-CA-C	-9.19	94.94	108.54
1	6Y	41	ILE	N-CA-C	-9.19	94.94	108.54
1	7I	41	ILE	N-CA-C	-9.19	94.94	108.54
1	7U	41	ILE	N-CA-C	-9.19	94.94	108.54
1	1A	41	ILE	N-CA-C	-9.19	94.95	108.54
1	1I	41	ILE	N-CA-C	-9.19	94.95	108.54
1	12	41	ILE	N-CA-C	-9.19	94.95	108.54
1	16	41	ILE	N-CA-C	-9.19	94.95	108.54
1	2A	41	ILE	N-CA-C	-9.19	94.95	108.54
1	2E	41	ILE	N-CA-C	-9.19	94.95	108.54
1	26	41	ILE	N-CA-C	-9.19	94.95	108.54
1	3E	41	ILE	N-CA-C	-9.19	94.95	108.54
1	3Q	41	ILE	N-CA-C	-9.19	94.95	108.54
1	3U	41	ILE	N-CA-C	-9.19	94.95	108.54
1	3Y	41	ILE	N-CA-C	-9.19	94.95	108.54
1	4A	41	ILE	N-CA-C	-9.19	94.95	108.54
1	4M	41	ILE	N-CA-C	-9.19	94.95	108.54
1	4U	41	ILE	N-CA-C	-9.19	94.95	108.54
1	5E	41	ILE	N-CA-C	-9.19	94.95	108.54
1	5I	41	ILE	N-CA-C	-9.19	94.95	108.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	41	ILE	N-CA-C	-9.19	94.95	108.54
1	5Q	41	ILE	N-CA-C	-9.19	94.95	108.54
1	6I	41	ILE	N-CA-C	-9.19	94.95	108.54
1	6Q	41	ILE	N-CA-C	-9.19	94.95	108.54
1	62	41	ILE	N-CA-C	-9.19	94.95	108.54
1	66	41	ILE	N-CA-C	-9.19	94.95	108.54
1	7A	41	ILE	N-CA-C	-9.19	94.95	108.54
1	7M	41	ILE	N-CA-C	-9.19	94.95	108.54
1	1M	41	ILE	N-CA-C	-9.18	94.95	108.54
1	2I	41	ILE	N-CA-C	-9.18	94.95	108.54
1	3A	41	ILE	N-CA-C	-9.18	94.95	108.54
1	3I	41	ILE	N-CA-C	-9.18	94.95	108.54
1	32	41	ILE	N-CA-C	-9.18	94.95	108.54
1	4E	41	ILE	N-CA-C	-9.18	94.95	108.54
1	4Y	41	ILE	N-CA-C	-9.18	94.95	108.54
1	5U	41	ILE	N-CA-C	-9.18	94.95	108.54
1	6M	41	ILE	N-CA-C	-9.18	94.95	108.54
1	6U	41	ILE	N-CA-C	-9.18	94.95	108.54
1	7E	41	ILE	N-CA-C	-9.18	94.95	108.54
1	7Q	41	ILE	N-CA-C	-9.18	94.95	108.54
1	1M	13	ALA	CA-C-N	9.18	138.23	121.70
1	1M	13	ALA	C-N-CA	9.18	138.23	121.70
1	2I	13	ALA	CA-C-N	9.18	138.23	121.70
1	2I	13	ALA	C-N-CA	9.18	138.23	121.70
1	3A	13	ALA	CA-C-N	9.18	138.23	121.70
1	3A	13	ALA	C-N-CA	9.18	138.23	121.70
1	3I	13	ALA	CA-C-N	9.18	138.23	121.70
1	3I	13	ALA	C-N-CA	9.18	138.23	121.70
1	32	13	ALA	CA-C-N	9.18	138.23	121.70
1	32	13	ALA	C-N-CA	9.18	138.23	121.70
1	4E	13	ALA	CA-C-N	9.18	138.23	121.70
1	4E	13	ALA	C-N-CA	9.18	138.23	121.70
1	4Y	13	ALA	CA-C-N	9.18	138.23	121.70
1	4Y	13	ALA	C-N-CA	9.18	138.23	121.70
1	5U	13	ALA	CA-C-N	9.18	138.23	121.70
1	5U	13	ALA	C-N-CA	9.18	138.23	121.70
1	6M	13	ALA	CA-C-N	9.18	138.23	121.70
1	6M	13	ALA	C-N-CA	9.18	138.23	121.70
1	6U	13	ALA	CA-C-N	9.18	138.23	121.70
1	6U	13	ALA	C-N-CA	9.18	138.23	121.70
1	7E	13	ALA	CA-C-N	9.18	138.23	121.70
1	7E	13	ALA	C-N-CA	9.18	138.23	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	13	ALA	CA-C-N	9.18	138.23	121.70
1	7Q	13	ALA	C-N-CA	9.18	138.23	121.70
1	1Q	90	PHE	N-CA-CB	-9.17	96.75	110.32
1	1U	90	PHE	N-CA-CB	-9.17	96.75	110.32
1	1Y	90	PHE	N-CA-CB	-9.17	96.75	110.32
1	2Q	90	PHE	N-CA-CB	-9.17	96.75	110.32
1	2U	90	PHE	N-CA-CB	-9.17	96.75	110.32
1	2Y	90	PHE	N-CA-CB	-9.17	96.75	110.32
1	42	90	PHE	N-CA-CB	-9.17	96.75	110.32
1	46	90	PHE	N-CA-CB	-9.17	96.75	110.32
1	5A	90	PHE	N-CA-CB	-9.17	96.75	110.32
1	52	90	PHE	N-CA-CB	-9.17	96.75	110.32
1	56	90	PHE	N-CA-CB	-9.17	96.75	110.32
1	6A	90	PHE	N-CA-CB	-9.17	96.75	110.32
2	1F	75	GLN	CB-CG-CD	9.16	128.18	112.60
2	2N	75	GLN	CB-CG-CD	9.16	128.18	112.60
2	23	75	GLN	CB-CG-CD	9.16	128.18	112.60
2	3N	75	GLN	CB-CG-CD	9.16	128.18	112.60
2	37	75	GLN	CB-CG-CD	9.16	128.18	112.60
2	4J	75	GLN	CB-CG-CD	9.16	128.18	112.60
2	4R	75	GLN	CB-CG-CD	9.16	128.18	112.60
2	5Z	75	GLN	CB-CG-CD	9.16	128.18	112.60
2	6F	75	GLN	CB-CG-CD	9.16	128.18	112.60
2	6Z	75	GLN	CB-CG-CD	9.16	128.18	112.60
2	7J	75	GLN	CB-CG-CD	9.16	128.18	112.60
2	7V	75	GLN	CB-CG-CD	9.16	128.18	112.60
1	1M	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	1R	57	LYS	CA-C-O	-9.16	110.08	120.24
2	1V	57	LYS	CA-C-O	-9.16	110.08	120.24
2	1Z	57	LYS	CA-C-O	-9.16	110.08	120.24
1	12	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	13	57	LYS	CA-C-O	-9.16	110.08	120.24
1	16	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	17	57	LYS	CA-C-O	-9.16	110.08	120.24
1	2A	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	2B	57	LYS	CA-C-O	-9.16	110.08	120.24
1	2I	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	2R	57	LYS	CA-C-O	-9.16	110.08	120.24
2	2V	57	LYS	CA-C-O	-9.16	110.08	120.24
2	2Z	57	LYS	CA-C-O	-9.16	110.08	120.24
1	3A	90	PHE	N-CA-CB	-9.16	96.77	110.32
1	3I	90	PHE	N-CA-CB	-9.16	96.77	110.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Q	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	3R	57	LYS	CA-C-O	-9.16	110.08	120.24
1	3U	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	3V	57	LYS	CA-C-O	-9.16	110.08	120.24
1	3Y	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	3Z	57	LYS	CA-C-O	-9.16	110.08	120.24
1	32	90	PHE	N-CA-CB	-9.16	96.77	110.32
1	4E	90	PHE	N-CA-CB	-9.16	96.77	110.32
1	4Y	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	43	57	LYS	CA-C-O	-9.16	110.08	120.24
2	47	57	LYS	CA-C-O	-9.16	110.08	120.24
2	5B	57	LYS	CA-C-O	-9.16	110.08	120.24
1	5E	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	5F	57	LYS	CA-C-O	-9.16	110.08	120.24
1	5I	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	5J	57	LYS	CA-C-O	-9.16	110.08	120.24
1	5M	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	5N	57	LYS	CA-C-O	-9.16	110.08	120.24
1	5U	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	53	57	LYS	CA-C-O	-9.16	110.08	120.24
2	57	57	LYS	CA-C-O	-9.16	110.08	120.24
2	6B	57	LYS	CA-C-O	-9.16	110.08	120.24
1	6M	90	PHE	N-CA-CB	-9.16	96.77	110.32
1	6U	90	PHE	N-CA-CB	-9.16	96.77	110.32
1	62	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	63	57	LYS	CA-C-O	-9.16	110.08	120.24
1	66	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	67	57	LYS	CA-C-O	-9.16	110.08	120.24
1	7A	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	7B	57	LYS	CA-C-O	-9.16	110.08	120.24
1	7E	90	PHE	N-CA-CB	-9.16	96.77	110.32
1	7Q	90	PHE	N-CA-CB	-9.16	96.77	110.32
2	13	75	GLN	CB-CG-CD	9.15	128.16	112.60
2	17	75	GLN	CB-CG-CD	9.15	128.16	112.60
2	2B	75	GLN	CB-CG-CD	9.15	128.16	112.60
2	3R	75	GLN	CB-CG-CD	9.15	128.16	112.60
2	3V	75	GLN	CB-CG-CD	9.15	128.16	112.60
2	3Z	75	GLN	CB-CG-CD	9.15	128.16	112.60
2	5F	75	GLN	CB-CG-CD	9.15	128.16	112.60
2	5J	75	GLN	CB-CG-CD	9.15	128.16	112.60
2	5N	75	GLN	CB-CG-CD	9.15	128.16	112.60
2	63	75	GLN	CB-CG-CD	9.15	128.16	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	75	GLN	CB-CG-CD	9.15	128.16	112.60
2	7B	75	GLN	CB-CG-CD	9.15	128.16	112.60
2	1B	57	LYS	CA-C-O	-9.15	110.09	120.24
2	1J	57	LYS	CA-C-O	-9.15	110.09	120.24
2	2F	57	LYS	CA-C-O	-9.15	110.09	120.24
2	27	57	LYS	CA-C-O	-9.15	110.09	120.24
2	3F	57	LYS	CA-C-O	-9.15	110.09	120.24
2	4B	57	LYS	CA-C-O	-9.15	110.09	120.24
2	4N	57	LYS	CA-C-O	-9.15	110.09	120.24
2	4V	57	LYS	CA-C-O	-9.15	110.09	120.24
2	5R	57	LYS	CA-C-O	-9.15	110.09	120.24
2	6J	57	LYS	CA-C-O	-9.15	110.09	120.24
2	6R	57	LYS	CA-C-O	-9.15	110.09	120.24
2	7N	57	LYS	CA-C-O	-9.15	110.09	120.24
2	1B	75	GLN	CB-CG-CD	9.14	128.14	112.60
1	1E	90	PHE	N-CA-CB	-9.14	96.79	110.32
2	1J	75	GLN	CB-CG-CD	9.14	128.14	112.60
2	2F	75	GLN	CB-CG-CD	9.14	128.14	112.60
1	2M	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	22	90	PHE	N-CA-CB	-9.14	96.79	110.32
2	27	75	GLN	CB-CG-CD	9.14	128.14	112.60
2	3F	75	GLN	CB-CG-CD	9.14	128.14	112.60
1	3M	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	36	90	PHE	N-CA-CB	-9.14	96.79	110.32
2	4B	75	GLN	CB-CG-CD	9.14	128.14	112.60
1	4I	90	PHE	N-CA-CB	-9.14	96.79	110.32
2	4N	75	GLN	CB-CG-CD	9.14	128.14	112.60
1	4Q	90	PHE	N-CA-CB	-9.14	96.79	110.32
2	4V	75	GLN	CB-CG-CD	9.14	128.14	112.60
2	5R	75	GLN	CB-CG-CD	9.14	128.14	112.60
1	5Y	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	6E	90	PHE	N-CA-CB	-9.14	96.79	110.32
2	6J	75	GLN	CB-CG-CD	9.14	128.14	112.60
2	6R	75	GLN	CB-CG-CD	9.14	128.14	112.60
1	6Y	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	7I	90	PHE	N-CA-CB	-9.14	96.79	110.32
2	7N	75	GLN	CB-CG-CD	9.14	128.14	112.60
1	7U	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	1A	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	1I	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	2E	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	26	90	PHE	N-CA-CB	-9.14	96.79	110.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	4A	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	4M	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	4U	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	5Q	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	6I	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	6Q	90	PHE	N-CA-CB	-9.14	96.79	110.32
1	7M	90	PHE	N-CA-CB	-9.14	96.79	110.32
2	1N	75	GLN	CB-CG-CD	9.13	128.13	112.60
2	2J	75	GLN	CB-CG-CD	9.13	128.13	112.60
2	3B	75	GLN	CB-CG-CD	9.13	128.13	112.60
2	3J	75	GLN	CB-CG-CD	9.13	128.13	112.60
2	33	75	GLN	CB-CG-CD	9.13	128.13	112.60
2	4F	75	GLN	CB-CG-CD	9.13	128.13	112.60
2	4Z	75	GLN	CB-CG-CD	9.13	128.13	112.60
2	5V	75	GLN	CB-CG-CD	9.13	128.13	112.60
2	6N	75	GLN	CB-CG-CD	9.13	128.13	112.60
2	6V	75	GLN	CB-CG-CD	9.13	128.13	112.60
2	7F	75	GLN	CB-CG-CD	9.13	128.13	112.60
2	7R	75	GLN	CB-CG-CD	9.13	128.13	112.60
2	1R	75	GLN	CB-CG-CD	9.13	128.12	112.60
2	1V	75	GLN	CB-CG-CD	9.13	128.12	112.60
2	1Z	75	GLN	CB-CG-CD	9.13	128.12	112.60
2	2R	75	GLN	CB-CG-CD	9.13	128.12	112.60
2	2V	75	GLN	CB-CG-CD	9.13	128.12	112.60
2	2Z	75	GLN	CB-CG-CD	9.13	128.12	112.60
2	43	75	GLN	CB-CG-CD	9.13	128.12	112.60
2	47	75	GLN	CB-CG-CD	9.13	128.12	112.60
2	5B	75	GLN	CB-CG-CD	9.13	128.12	112.60
2	53	75	GLN	CB-CG-CD	9.13	128.12	112.60
2	57	75	GLN	CB-CG-CD	9.13	128.12	112.60
2	6B	75	GLN	CB-CG-CD	9.13	128.12	112.60
2	1N	57	LYS	CA-C-O	-9.12	110.11	120.24
2	2J	57	LYS	CA-C-O	-9.12	110.11	120.24
2	3B	57	LYS	CA-C-O	-9.12	110.11	120.24
2	3J	57	LYS	CA-C-O	-9.12	110.11	120.24
2	33	57	LYS	CA-C-O	-9.12	110.11	120.24
2	4F	57	LYS	CA-C-O	-9.12	110.11	120.24
2	4Z	57	LYS	CA-C-O	-9.12	110.11	120.24
2	5V	57	LYS	CA-C-O	-9.12	110.11	120.24
2	6N	57	LYS	CA-C-O	-9.12	110.11	120.24
2	6V	57	LYS	CA-C-O	-9.12	110.11	120.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	57	LYS	CA-C-O	-9.12	110.11	120.24
2	7R	57	LYS	CA-C-O	-9.12	110.11	120.24
2	1F	57	LYS	CA-C-O	-9.12	110.12	120.24
2	2N	57	LYS	CA-C-O	-9.12	110.12	120.24
2	23	57	LYS	CA-C-O	-9.12	110.12	120.24
2	3N	57	LYS	CA-C-O	-9.12	110.12	120.24
2	37	57	LYS	CA-C-O	-9.12	110.12	120.24
2	4J	57	LYS	CA-C-O	-9.12	110.12	120.24
2	4R	57	LYS	CA-C-O	-9.12	110.12	120.24
2	5Z	57	LYS	CA-C-O	-9.12	110.12	120.24
2	6F	57	LYS	CA-C-O	-9.12	110.12	120.24
2	6Z	57	LYS	CA-C-O	-9.12	110.12	120.24
2	7J	57	LYS	CA-C-O	-9.12	110.12	120.24
2	7V	57	LYS	CA-C-O	-9.12	110.12	120.24
1	1E	48	TYR	O-C-N	-9.11	111.48	122.96
1	2M	48	TYR	O-C-N	-9.11	111.48	122.96
1	22	48	TYR	O-C-N	-9.11	111.48	122.96
1	3M	48	TYR	O-C-N	-9.11	111.48	122.96
1	36	48	TYR	O-C-N	-9.11	111.48	122.96
1	4I	48	TYR	O-C-N	-9.11	111.48	122.96
1	4Q	48	TYR	O-C-N	-9.11	111.48	122.96
1	5Y	48	TYR	O-C-N	-9.11	111.48	122.96
1	6E	48	TYR	O-C-N	-9.11	111.48	122.96
1	6Y	48	TYR	O-C-N	-9.11	111.48	122.96
1	7I	48	TYR	O-C-N	-9.11	111.48	122.96
1	7U	48	TYR	O-C-N	-9.11	111.48	122.96
2	1F	16	ASN	CB-CG-OD1	9.11	139.01	120.80
2	2N	16	ASN	CB-CG-OD1	9.11	139.01	120.80
2	23	16	ASN	CB-CG-OD1	9.11	139.01	120.80
2	3N	16	ASN	CB-CG-OD1	9.11	139.01	120.80
2	37	16	ASN	CB-CG-OD1	9.11	139.01	120.80
2	4J	16	ASN	CB-CG-OD1	9.11	139.01	120.80
2	4R	16	ASN	CB-CG-OD1	9.11	139.01	120.80
2	5Z	16	ASN	CB-CG-OD1	9.11	139.01	120.80
2	6F	16	ASN	CB-CG-OD1	9.11	139.01	120.80
2	6Z	16	ASN	CB-CG-OD1	9.11	139.01	120.80
2	7J	16	ASN	CB-CG-OD1	9.11	139.01	120.80
2	7V	16	ASN	CB-CG-OD1	9.11	139.01	120.80
2	1N	85	PHE	CA-CB-CG	-9.10	104.70	113.80
2	2J	85	PHE	CA-CB-CG	-9.10	104.70	113.80
2	3B	85	PHE	CA-CB-CG	-9.10	104.70	113.80
2	3J	85	PHE	CA-CB-CG	-9.10	104.70	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	85	PHE	CA-CB-CG	-9.10	104.70	113.80
2	4F	85	PHE	CA-CB-CG	-9.10	104.70	113.80
2	4Z	85	PHE	CA-CB-CG	-9.10	104.70	113.80
2	5V	85	PHE	CA-CB-CG	-9.10	104.70	113.80
2	6N	85	PHE	CA-CB-CG	-9.10	104.70	113.80
2	6V	85	PHE	CA-CB-CG	-9.10	104.70	113.80
2	7F	85	PHE	CA-CB-CG	-9.10	104.70	113.80
2	7R	85	PHE	CA-CB-CG	-9.10	104.70	113.80
2	13	16	ASN	CB-CG-OD1	9.09	138.98	120.80
2	17	16	ASN	CB-CG-OD1	9.09	138.98	120.80
2	2B	16	ASN	CB-CG-OD1	9.09	138.98	120.80
2	3R	16	ASN	CB-CG-OD1	9.09	138.98	120.80
2	3V	16	ASN	CB-CG-OD1	9.09	138.98	120.80
2	3Z	16	ASN	CB-CG-OD1	9.09	138.98	120.80
2	5F	16	ASN	CB-CG-OD1	9.09	138.98	120.80
2	5J	16	ASN	CB-CG-OD1	9.09	138.98	120.80
2	5N	16	ASN	CB-CG-OD1	9.09	138.98	120.80
2	63	16	ASN	CB-CG-OD1	9.09	138.98	120.80
2	67	16	ASN	CB-CG-OD1	9.09	138.98	120.80
2	7B	16	ASN	CB-CG-OD1	9.09	138.98	120.80
1	1Q	146	ASN	CB-CG-OD1	9.09	138.97	120.80
1	1U	146	ASN	CB-CG-OD1	9.09	138.97	120.80
1	1Y	146	ASN	CB-CG-OD1	9.09	138.97	120.80
2	13	45	ALA	N-CA-C	-9.09	91.44	110.80
2	17	45	ALA	N-CA-C	-9.09	91.44	110.80
2	2B	45	ALA	N-CA-C	-9.09	91.44	110.80
1	2Q	146	ASN	CB-CG-OD1	9.09	138.97	120.80
1	2U	146	ASN	CB-CG-OD1	9.09	138.97	120.80
1	2Y	146	ASN	CB-CG-OD1	9.09	138.97	120.80
2	3R	45	ALA	N-CA-C	-9.09	91.44	110.80
2	3V	45	ALA	N-CA-C	-9.09	91.44	110.80
2	3Z	45	ALA	N-CA-C	-9.09	91.44	110.80
1	42	146	ASN	CB-CG-OD1	9.09	138.97	120.80
1	46	146	ASN	CB-CG-OD1	9.09	138.97	120.80
1	5A	146	ASN	CB-CG-OD1	9.09	138.97	120.80
2	5F	45	ALA	N-CA-C	-9.09	91.44	110.80
2	5J	45	ALA	N-CA-C	-9.09	91.44	110.80
2	5N	45	ALA	N-CA-C	-9.09	91.44	110.80
1	52	146	ASN	CB-CG-OD1	9.09	138.97	120.80
1	56	146	ASN	CB-CG-OD1	9.09	138.97	120.80
1	6A	146	ASN	CB-CG-OD1	9.09	138.97	120.80
2	63	45	ALA	N-CA-C	-9.09	91.44	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	45	ALA	N-CA-C	-9.09	91.44	110.80
2	7B	45	ALA	N-CA-C	-9.09	91.44	110.80
2	1B	16	ASN	CB-CG-OD1	9.08	138.97	120.80
2	1F	45	ALA	N-CA-C	-9.08	91.45	110.80
2	1J	16	ASN	CB-CG-OD1	9.08	138.97	120.80
2	2N	45	ALA	N-CA-C	-9.08	91.45	110.80
2	23	45	ALA	N-CA-C	-9.08	91.45	110.80
2	37	45	ALA	N-CA-C	-9.08	91.45	110.80
2	6F	45	ALA	N-CA-C	-9.08	91.45	110.80
2	6Z	45	ALA	N-CA-C	-9.08	91.45	110.80
1	1Q	48	TYR	O-C-N	-9.08	111.52	122.96
1	1U	48	TYR	O-C-N	-9.08	111.52	122.96
1	1Y	48	TYR	O-C-N	-9.08	111.52	122.96
2	2F	16	ASN	CB-CG-OD1	9.08	138.97	120.80
1	2Q	48	TYR	O-C-N	-9.08	111.52	122.96
1	2U	48	TYR	O-C-N	-9.08	111.52	122.96
1	2Y	48	TYR	O-C-N	-9.08	111.52	122.96
2	27	16	ASN	CB-CG-OD1	9.08	138.97	120.80
2	3F	16	ASN	CB-CG-OD1	9.08	138.97	120.80
2	3N	45	ALA	N-CA-C	-9.08	91.45	110.80
2	4B	16	ASN	CB-CG-OD1	9.08	138.97	120.80
2	4J	45	ALA	N-CA-C	-9.08	91.45	110.80
2	4N	16	ASN	CB-CG-OD1	9.08	138.97	120.80
2	4R	45	ALA	N-CA-C	-9.08	91.45	110.80
2	4V	16	ASN	CB-CG-OD1	9.08	138.97	120.80
2	5Z	45	ALA	N-CA-C	-9.08	91.45	110.80
1	42	48	TYR	O-C-N	-9.08	111.52	122.96
1	46	48	TYR	O-C-N	-9.08	111.52	122.96
1	5A	48	TYR	O-C-N	-9.08	111.52	122.96
2	5R	16	ASN	CB-CG-OD1	9.08	138.97	120.80
1	52	48	TYR	O-C-N	-9.08	111.52	122.96
1	56	48	TYR	O-C-N	-9.08	111.52	122.96
1	6A	48	TYR	O-C-N	-9.08	111.52	122.96
2	6J	16	ASN	CB-CG-OD1	9.08	138.97	120.80
2	6R	16	ASN	CB-CG-OD1	9.08	138.97	120.80
2	7J	45	ALA	N-CA-C	-9.08	91.45	110.80
2	7N	16	ASN	CB-CG-OD1	9.08	138.97	120.80
2	7V	45	ALA	N-CA-C	-9.08	91.45	110.80
1	1A	146	ASN	CB-CG-OD1	9.08	138.96	120.80
1	1I	146	ASN	CB-CG-OD1	9.08	138.96	120.80
2	1N	45	ALA	N-CA-C	-9.08	91.46	110.80
2	2J	45	ALA	N-CA-C	-9.08	91.46	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	45	ALA	N-CA-C	-9.08	91.46	110.80
1	1M	48	TYR	O-C-N	-9.08	111.52	122.96
1	2E	146	ASN	CB-CG-OD1	9.08	138.96	120.80
1	2I	48	TYR	O-C-N	-9.08	111.52	122.96
1	26	146	ASN	CB-CG-OD1	9.08	138.96	120.80
2	3B	45	ALA	N-CA-C	-9.08	91.46	110.80
2	3J	45	ALA	N-CA-C	-9.08	91.46	110.80
1	3A	48	TYR	O-C-N	-9.08	111.52	122.96
1	3E	146	ASN	CB-CG-OD1	9.08	138.96	120.80
2	4F	45	ALA	N-CA-C	-9.08	91.46	110.80
2	4Z	45	ALA	N-CA-C	-9.08	91.46	110.80
2	5V	45	ALA	N-CA-C	-9.08	91.46	110.80
2	6N	45	ALA	N-CA-C	-9.08	91.46	110.80
2	6V	45	ALA	N-CA-C	-9.08	91.46	110.80
1	3I	48	TYR	O-C-N	-9.08	111.52	122.96
1	32	48	TYR	O-C-N	-9.08	111.52	122.96
1	4A	146	ASN	CB-CG-OD1	9.08	138.96	120.80
1	4E	48	TYR	O-C-N	-9.08	111.52	122.96
1	4M	146	ASN	CB-CG-OD1	9.08	138.96	120.80
1	4U	146	ASN	CB-CG-OD1	9.08	138.96	120.80
2	7F	45	ALA	N-CA-C	-9.08	91.46	110.80
1	4Y	48	TYR	O-C-N	-9.08	111.52	122.96
1	5Q	146	ASN	CB-CG-OD1	9.08	138.96	120.80
1	5U	48	TYR	O-C-N	-9.08	111.52	122.96
1	6I	146	ASN	CB-CG-OD1	9.08	138.96	120.80
1	6M	48	TYR	O-C-N	-9.08	111.52	122.96
1	6Q	146	ASN	CB-CG-OD1	9.08	138.96	120.80
2	7R	45	ALA	N-CA-C	-9.08	91.46	110.80
1	6U	48	TYR	O-C-N	-9.08	111.52	122.96
1	7E	48	TYR	O-C-N	-9.08	111.52	122.96
1	7M	146	ASN	CB-CG-OD1	9.08	138.96	120.80
1	7Q	48	TYR	O-C-N	-9.08	111.52	122.96
2	1B	45	ALA	N-CA-C	-9.08	91.47	110.80
2	1J	45	ALA	N-CA-C	-9.08	91.47	110.80
2	2F	45	ALA	N-CA-C	-9.08	91.47	110.80
2	27	45	ALA	N-CA-C	-9.08	91.47	110.80
2	3F	45	ALA	N-CA-C	-9.08	91.47	110.80
2	4B	45	ALA	N-CA-C	-9.08	91.47	110.80
2	4N	45	ALA	N-CA-C	-9.08	91.47	110.80
2	4V	45	ALA	N-CA-C	-9.08	91.47	110.80
2	5R	45	ALA	N-CA-C	-9.08	91.47	110.80
2	6J	45	ALA	N-CA-C	-9.08	91.47	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	45	ALA	N-CA-C	-9.08	91.47	110.80
2	7N	45	ALA	N-CA-C	-9.08	91.47	110.80
1	1E	179	VAL	CB-CA-C	-9.08	100.15	112.04
1	2M	179	VAL	CB-CA-C	-9.08	100.15	112.04
1	22	179	VAL	CB-CA-C	-9.08	100.15	112.04
1	3M	179	VAL	CB-CA-C	-9.08	100.15	112.04
1	36	179	VAL	CB-CA-C	-9.08	100.15	112.04
1	4I	179	VAL	CB-CA-C	-9.08	100.15	112.04
1	4Q	179	VAL	CB-CA-C	-9.08	100.15	112.04
1	5Y	179	VAL	CB-CA-C	-9.08	100.15	112.04
1	6E	179	VAL	CB-CA-C	-9.08	100.15	112.04
1	6Y	179	VAL	CB-CA-C	-9.08	100.15	112.04
1	7I	179	VAL	CB-CA-C	-9.08	100.15	112.04
1	7U	179	VAL	CB-CA-C	-9.08	100.15	112.04
1	1Q	179	VAL	CB-CA-C	-9.07	100.15	112.04
1	1U	179	VAL	CB-CA-C	-9.07	100.15	112.04
1	1Y	179	VAL	CB-CA-C	-9.07	100.15	112.04
1	12	179	VAL	CB-CA-C	-9.07	100.15	112.04
2	13	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	16	179	VAL	CB-CA-C	-9.07	100.15	112.04
2	17	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	2A	179	VAL	CB-CA-C	-9.07	100.15	112.04
2	2B	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	2Q	179	VAL	CB-CA-C	-9.07	100.15	112.04
1	2U	179	VAL	CB-CA-C	-9.07	100.15	112.04
1	2Y	179	VAL	CB-CA-C	-9.07	100.15	112.04
1	3Q	179	VAL	CB-CA-C	-9.07	100.15	112.04
2	3R	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	3U	179	VAL	CB-CA-C	-9.07	100.15	112.04
2	3V	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	3Y	179	VAL	CB-CA-C	-9.07	100.15	112.04
2	3Z	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	42	179	VAL	CB-CA-C	-9.07	100.15	112.04
1	46	179	VAL	CB-CA-C	-9.07	100.15	112.04
1	5A	179	VAL	CB-CA-C	-9.07	100.15	112.04
1	5E	179	VAL	CB-CA-C	-9.07	100.15	112.04
2	5F	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	5I	179	VAL	CB-CA-C	-9.07	100.15	112.04
2	5J	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	5M	179	VAL	CB-CA-C	-9.07	100.15	112.04
2	5N	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	52	179	VAL	CB-CA-C	-9.07	100.15	112.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	179	VAL	CB-CA-C	-9.07	100.15	112.04
1	6A	179	VAL	CB-CA-C	-9.07	100.15	112.04
1	62	179	VAL	CB-CA-C	-9.07	100.15	112.04
2	63	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	66	179	VAL	CB-CA-C	-9.07	100.15	112.04
2	67	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	7A	179	VAL	CB-CA-C	-9.07	100.15	112.04
2	7B	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	1M	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	2I	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	3A	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	3I	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	32	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	4E	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	4Y	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	5U	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	6M	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	6U	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	7E	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	7Q	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	1E	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	2M	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	22	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	3M	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	36	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	4I	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	4Q	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	5Y	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	6E	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	6Y	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	7I	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	7U	146	ASN	CB-CG-OD1	9.07	138.94	120.80
1	1A	48	TYR	O-C-N	-9.07	111.53	122.96
2	1F	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	1I	48	TYR	O-C-N	-9.07	111.53	122.96
2	1R	85	PHE	CA-CB-CG	-9.07	104.73	113.80
2	1V	85	PHE	CA-CB-CG	-9.07	104.73	113.80
2	1Z	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	2E	48	TYR	O-C-N	-9.07	111.53	122.96
2	2N	85	PHE	CA-CB-CG	-9.07	104.73	113.80
2	2R	85	PHE	CA-CB-CG	-9.07	104.73	113.80
2	2V	85	PHE	CA-CB-CG	-9.07	104.73	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2Z	85	PHE	CA-CB-CG	-9.07	104.73	113.80
2	23	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	26	48	TYR	O-C-N	-9.07	111.53	122.96
1	3E	48	TYR	O-C-N	-9.07	111.53	122.96
2	3N	85	PHE	CA-CB-CG	-9.07	104.73	113.80
2	37	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	4A	48	TYR	O-C-N	-9.07	111.53	122.96
2	4J	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	4M	48	TYR	O-C-N	-9.07	111.53	122.96
2	4R	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	4U	48	TYR	O-C-N	-9.07	111.53	122.96
2	43	85	PHE	CA-CB-CG	-9.07	104.73	113.80
2	47	85	PHE	CA-CB-CG	-9.07	104.73	113.80
2	5B	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	5Q	48	TYR	O-C-N	-9.07	111.53	122.96
2	5Z	85	PHE	CA-CB-CG	-9.07	104.73	113.80
2	53	85	PHE	CA-CB-CG	-9.07	104.73	113.80
2	57	85	PHE	CA-CB-CG	-9.07	104.73	113.80
2	6B	85	PHE	CA-CB-CG	-9.07	104.73	113.80
2	6F	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	6I	48	TYR	O-C-N	-9.07	111.53	122.96
1	6Q	48	TYR	O-C-N	-9.07	111.53	122.96
2	6Z	85	PHE	CA-CB-CG	-9.07	104.73	113.80
2	7J	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	7M	48	TYR	O-C-N	-9.07	111.53	122.96
2	7V	85	PHE	CA-CB-CG	-9.07	104.73	113.80
1	1M	179	VAL	CB-CA-C	-9.06	100.17	112.04
2	1R	16	ASN	CB-CG-OD1	9.06	138.93	120.80
2	1V	16	ASN	CB-CG-OD1	9.06	138.93	120.80
2	1Z	16	ASN	CB-CG-OD1	9.06	138.93	120.80
1	2I	179	VAL	CB-CA-C	-9.06	100.17	112.04
2	2R	16	ASN	CB-CG-OD1	9.06	138.93	120.80
2	2V	16	ASN	CB-CG-OD1	9.06	138.93	120.80
2	2Z	16	ASN	CB-CG-OD1	9.06	138.93	120.80
1	3A	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	3I	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	32	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	4E	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	4Y	179	VAL	CB-CA-C	-9.06	100.17	112.04
2	43	16	ASN	CB-CG-OD1	9.06	138.93	120.80
2	47	16	ASN	CB-CG-OD1	9.06	138.93	120.80
2	5B	16	ASN	CB-CG-OD1	9.06	138.93	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5U	179	VAL	CB-CA-C	-9.06	100.17	112.04
2	53	16	ASN	CB-CG-OD1	9.06	138.93	120.80
2	57	16	ASN	CB-CG-OD1	9.06	138.93	120.80
2	6B	16	ASN	CB-CG-OD1	9.06	138.93	120.80
1	6M	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	6U	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	7E	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	7Q	179	VAL	CB-CA-C	-9.06	100.17	112.04
2	1N	16	ASN	CB-CG-OD1	9.06	138.92	120.80
2	13	42	HIS	N-CA-C	-9.06	96.99	111.04
2	17	42	HIS	N-CA-C	-9.06	96.99	111.04
2	2B	42	HIS	N-CA-C	-9.06	96.99	111.04
2	2J	16	ASN	CB-CG-OD1	9.06	138.92	120.80
2	3B	16	ASN	CB-CG-OD1	9.06	138.92	120.80
2	3J	16	ASN	CB-CG-OD1	9.06	138.92	120.80
2	3R	42	HIS	N-CA-C	-9.06	96.99	111.04
2	3V	42	HIS	N-CA-C	-9.06	96.99	111.04
2	3Z	42	HIS	N-CA-C	-9.06	96.99	111.04
2	33	16	ASN	CB-CG-OD1	9.06	138.92	120.80
2	4F	16	ASN	CB-CG-OD1	9.06	138.92	120.80
2	4Z	16	ASN	CB-CG-OD1	9.06	138.92	120.80
2	5F	42	HIS	N-CA-C	-9.06	96.99	111.04
2	5J	42	HIS	N-CA-C	-9.06	96.99	111.04
2	5N	42	HIS	N-CA-C	-9.06	96.99	111.04
2	5V	16	ASN	CB-CG-OD1	9.06	138.92	120.80
2	6N	16	ASN	CB-CG-OD1	9.06	138.92	120.80
2	6V	16	ASN	CB-CG-OD1	9.06	138.92	120.80
2	63	42	HIS	N-CA-C	-9.06	96.99	111.04
2	67	42	HIS	N-CA-C	-9.06	96.99	111.04
2	7B	42	HIS	N-CA-C	-9.06	96.99	111.04
2	7F	16	ASN	CB-CG-OD1	9.06	138.92	120.80
2	7R	16	ASN	CB-CG-OD1	9.06	138.92	120.80
1	1A	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	1I	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	2E	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	26	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	3E	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	4A	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	4M	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	4U	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	5Q	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	6I	179	VAL	CB-CA-C	-9.06	100.17	112.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	179	VAL	CB-CA-C	-9.06	100.17	112.04
1	7M	179	VAL	CB-CA-C	-9.06	100.17	112.04
2	1B	85	PHE	CA-CB-CG	-9.06	104.74	113.80
2	1J	85	PHE	CA-CB-CG	-9.06	104.74	113.80
2	1R	45	ALA	N-CA-C	-9.06	91.51	110.80
2	1V	45	ALA	N-CA-C	-9.06	91.51	110.80
2	1Z	45	ALA	N-CA-C	-9.06	91.51	110.80
2	2F	85	PHE	CA-CB-CG	-9.06	104.74	113.80
2	2R	45	ALA	N-CA-C	-9.06	91.51	110.80
2	2V	45	ALA	N-CA-C	-9.06	91.51	110.80
2	2Z	45	ALA	N-CA-C	-9.06	91.51	110.80
2	27	85	PHE	CA-CB-CG	-9.06	104.74	113.80
2	3F	85	PHE	CA-CB-CG	-9.06	104.74	113.80
2	4B	85	PHE	CA-CB-CG	-9.06	104.74	113.80
2	4N	85	PHE	CA-CB-CG	-9.06	104.74	113.80
2	4V	85	PHE	CA-CB-CG	-9.06	104.74	113.80
2	43	45	ALA	N-CA-C	-9.06	91.51	110.80
2	47	45	ALA	N-CA-C	-9.06	91.51	110.80
2	5B	45	ALA	N-CA-C	-9.06	91.51	110.80
2	5R	85	PHE	CA-CB-CG	-9.06	104.74	113.80
2	53	45	ALA	N-CA-C	-9.06	91.51	110.80
2	57	45	ALA	N-CA-C	-9.06	91.51	110.80
2	6B	45	ALA	N-CA-C	-9.06	91.51	110.80
2	6J	85	PHE	CA-CB-CG	-9.06	104.74	113.80
2	6R	85	PHE	CA-CB-CG	-9.06	104.74	113.80
2	7N	85	PHE	CA-CB-CG	-9.06	104.74	113.80
1	12	146	ASN	CB-CG-OD1	9.06	138.91	120.80
1	16	146	ASN	CB-CG-OD1	9.06	138.91	120.80
1	2A	146	ASN	CB-CG-OD1	9.06	138.91	120.80
1	3Q	146	ASN	CB-CG-OD1	9.06	138.91	120.80
1	3U	146	ASN	CB-CG-OD1	9.06	138.91	120.80
1	3Y	146	ASN	CB-CG-OD1	9.06	138.91	120.80
1	5E	146	ASN	CB-CG-OD1	9.06	138.91	120.80
1	5I	146	ASN	CB-CG-OD1	9.06	138.91	120.80
1	5M	146	ASN	CB-CG-OD1	9.06	138.91	120.80
1	62	146	ASN	CB-CG-OD1	9.06	138.91	120.80
1	66	146	ASN	CB-CG-OD1	9.06	138.91	120.80
1	7A	146	ASN	CB-CG-OD1	9.06	138.91	120.80
1	12	48	TYR	O-C-N	-9.05	111.55	122.96
1	16	48	TYR	O-C-N	-9.05	111.55	122.96
1	2A	48	TYR	O-C-N	-9.05	111.55	122.96
1	3Q	48	TYR	O-C-N	-9.05	111.55	122.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	48	TYR	O-C-N	-9.05	111.55	122.96
1	3Y	48	TYR	O-C-N	-9.05	111.55	122.96
1	5E	48	TYR	O-C-N	-9.05	111.55	122.96
1	5I	48	TYR	O-C-N	-9.05	111.55	122.96
1	5M	48	TYR	O-C-N	-9.05	111.55	122.96
1	62	48	TYR	O-C-N	-9.05	111.55	122.96
1	66	48	TYR	O-C-N	-9.05	111.55	122.96
1	7A	48	TYR	O-C-N	-9.05	111.55	122.96
1	1E	52	PHE	CG-CD1-CE1	-9.04	105.33	120.70
1	2M	52	PHE	CG-CD1-CE1	-9.04	105.33	120.70
1	22	52	PHE	CG-CD1-CE1	-9.04	105.33	120.70
1	3M	52	PHE	CG-CD1-CE1	-9.04	105.33	120.70
1	36	52	PHE	CG-CD1-CE1	-9.04	105.33	120.70
1	4I	52	PHE	CG-CD1-CE1	-9.04	105.33	120.70
1	4Q	52	PHE	CG-CD1-CE1	-9.04	105.33	120.70
1	5Y	52	PHE	CG-CD1-CE1	-9.04	105.33	120.70
1	6E	52	PHE	CG-CD1-CE1	-9.04	105.33	120.70
1	6Y	52	PHE	CG-CD1-CE1	-9.04	105.33	120.70
1	7I	52	PHE	CG-CD1-CE1	-9.04	105.33	120.70
1	7U	52	PHE	CG-CD1-CE1	-9.04	105.33	120.70
2	1B	42	HIS	N-CA-C	-9.04	97.03	111.04
2	1J	42	HIS	N-CA-C	-9.04	97.03	111.04
2	2F	42	HIS	N-CA-C	-9.04	97.03	111.04
2	27	42	HIS	N-CA-C	-9.04	97.03	111.04
2	3F	42	HIS	N-CA-C	-9.04	97.03	111.04
2	4B	42	HIS	N-CA-C	-9.04	97.03	111.04
2	4N	42	HIS	N-CA-C	-9.04	97.03	111.04
2	4V	42	HIS	N-CA-C	-9.04	97.03	111.04
2	5R	42	HIS	N-CA-C	-9.04	97.03	111.04
2	6J	42	HIS	N-CA-C	-9.04	97.03	111.04
2	6R	42	HIS	N-CA-C	-9.04	97.03	111.04
2	7N	42	HIS	N-CA-C	-9.04	97.03	111.04
1	1Q	52	PHE	CG-CD1-CE1	-9.03	105.34	120.70
1	1U	52	PHE	CG-CD1-CE1	-9.03	105.34	120.70
1	1Y	52	PHE	CG-CD1-CE1	-9.03	105.34	120.70
1	2Q	52	PHE	CG-CD1-CE1	-9.03	105.34	120.70
1	2U	52	PHE	CG-CD1-CE1	-9.03	105.34	120.70
1	2Y	52	PHE	CG-CD1-CE1	-9.03	105.34	120.70
1	42	52	PHE	CG-CD1-CE1	-9.03	105.34	120.70
1	46	52	PHE	CG-CD1-CE1	-9.03	105.34	120.70
1	5A	52	PHE	CG-CD1-CE1	-9.03	105.34	120.70
1	52	52	PHE	CG-CD1-CE1	-9.03	105.34	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	52	PHE	CG-CD1-CE1	-9.03	105.34	120.70
1	6A	52	PHE	CG-CD1-CE1	-9.03	105.34	120.70
2	1F	42	HIS	N-CA-C	-9.03	97.04	111.04
2	2N	42	HIS	N-CA-C	-9.03	97.04	111.04
2	23	42	HIS	N-CA-C	-9.03	97.04	111.04
2	3N	42	HIS	N-CA-C	-9.03	97.04	111.04
2	37	42	HIS	N-CA-C	-9.03	97.04	111.04
2	4J	42	HIS	N-CA-C	-9.03	97.04	111.04
2	4R	42	HIS	N-CA-C	-9.03	97.04	111.04
2	5Z	42	HIS	N-CA-C	-9.03	97.04	111.04
2	6F	42	HIS	N-CA-C	-9.03	97.04	111.04
2	6Z	42	HIS	N-CA-C	-9.03	97.04	111.04
2	7J	42	HIS	N-CA-C	-9.03	97.04	111.04
2	7V	42	HIS	N-CA-C	-9.03	97.04	111.04
1	12	52	PHE	CG-CD1-CE1	-9.03	105.35	120.70
1	16	52	PHE	CG-CD1-CE1	-9.03	105.35	120.70
1	2A	52	PHE	CG-CD1-CE1	-9.03	105.35	120.70
1	3Q	52	PHE	CG-CD1-CE1	-9.03	105.35	120.70
1	3U	52	PHE	CG-CD1-CE1	-9.03	105.35	120.70
1	3Y	52	PHE	CG-CD1-CE1	-9.03	105.35	120.70
1	5E	52	PHE	CG-CD1-CE1	-9.03	105.35	120.70
1	5I	52	PHE	CG-CD1-CE1	-9.03	105.35	120.70
1	5M	52	PHE	CG-CD1-CE1	-9.03	105.35	120.70
1	62	52	PHE	CG-CD1-CE1	-9.03	105.35	120.70
1	66	52	PHE	CG-CD1-CE1	-9.03	105.35	120.70
1	7A	52	PHE	CG-CD1-CE1	-9.03	105.35	120.70
1	1A	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	1I	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	1M	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	2E	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	2I	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	26	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	3A	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	3E	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	3I	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	32	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	4A	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	4E	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	4M	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	4U	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	4Y	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	5Q	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5U	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	6I	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	6M	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	6Q	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	6U	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	7E	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	7M	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
1	7Q	52	PHE	CG-CD1-CE1	-9.02	105.36	120.70
2	1N	42	HIS	N-CA-C	-9.02	97.06	111.04
2	2J	42	HIS	N-CA-C	-9.02	97.06	111.04
2	3B	42	HIS	N-CA-C	-9.02	97.06	111.04
2	3J	42	HIS	N-CA-C	-9.02	97.06	111.04
2	33	42	HIS	N-CA-C	-9.02	97.06	111.04
2	4F	42	HIS	N-CA-C	-9.02	97.06	111.04
2	4Z	42	HIS	N-CA-C	-9.02	97.06	111.04
2	5V	42	HIS	N-CA-C	-9.02	97.06	111.04
2	6N	42	HIS	N-CA-C	-9.02	97.06	111.04
2	6V	42	HIS	N-CA-C	-9.02	97.06	111.04
2	7F	42	HIS	N-CA-C	-9.02	97.06	111.04
2	7R	42	HIS	N-CA-C	-9.02	97.06	111.04
2	1R	42	HIS	N-CA-C	-9.02	97.06	111.04
2	1V	42	HIS	N-CA-C	-9.02	97.06	111.04
2	1Z	42	HIS	N-CA-C	-9.02	97.06	111.04
2	2R	42	HIS	N-CA-C	-9.02	97.06	111.04
2	2V	42	HIS	N-CA-C	-9.02	97.06	111.04
2	2Z	42	HIS	N-CA-C	-9.02	97.06	111.04
2	43	42	HIS	N-CA-C	-9.02	97.06	111.04
2	47	42	HIS	N-CA-C	-9.02	97.06	111.04
2	5B	42	HIS	N-CA-C	-9.02	97.06	111.04
2	53	42	HIS	N-CA-C	-9.02	97.06	111.04
2	57	42	HIS	N-CA-C	-9.02	97.06	111.04
2	6B	42	HIS	N-CA-C	-9.02	97.06	111.04
1	12	91	PRO	CA-C-O	9.01	133.21	122.13
1	16	91	PRO	CA-C-O	9.01	133.21	122.13
1	2A	91	PRO	CA-C-O	9.01	133.21	122.13
1	3Q	91	PRO	CA-C-O	9.01	133.21	122.13
1	3U	91	PRO	CA-C-O	9.01	133.21	122.13
1	3Y	91	PRO	CA-C-O	9.01	133.21	122.13
1	5E	91	PRO	CA-C-O	9.01	133.21	122.13
1	5I	91	PRO	CA-C-O	9.01	133.21	122.13
1	5M	91	PRO	CA-C-O	9.01	133.21	122.13
1	62	91	PRO	CA-C-O	9.01	133.21	122.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	91	PRO	CA-C-O	9.01	133.21	122.13
1	7A	91	PRO	CA-C-O	9.01	133.21	122.13
1	1A	91	PRO	CA-C-O	9.00	133.19	122.13
1	1I	91	PRO	CA-C-O	9.00	133.19	122.13
1	2E	91	PRO	CA-C-O	9.00	133.19	122.13
1	26	91	PRO	CA-C-O	9.00	133.19	122.13
1	3E	91	PRO	CA-C-O	9.00	133.19	122.13
1	4A	91	PRO	CA-C-O	9.00	133.19	122.13
1	4M	91	PRO	CA-C-O	9.00	133.19	122.13
1	4U	91	PRO	CA-C-O	9.00	133.19	122.13
1	5Q	91	PRO	CA-C-O	9.00	133.19	122.13
1	6I	91	PRO	CA-C-O	9.00	133.19	122.13
1	6Q	91	PRO	CA-C-O	9.00	133.19	122.13
1	7M	91	PRO	CA-C-O	9.00	133.19	122.13
2	1R	21	THR	CA-C-O	-8.98	110.20	121.88
2	1V	21	THR	CA-C-O	-8.98	110.20	121.88
2	1Z	21	THR	CA-C-O	-8.98	110.20	121.88
2	2R	21	THR	CA-C-O	-8.98	110.20	121.88
2	2V	21	THR	CA-C-O	-8.98	110.20	121.88
2	2Z	21	THR	CA-C-O	-8.98	110.20	121.88
2	43	21	THR	CA-C-O	-8.98	110.20	121.88
2	47	21	THR	CA-C-O	-8.98	110.20	121.88
2	5B	21	THR	CA-C-O	-8.98	110.20	121.88
2	53	21	THR	CA-C-O	-8.98	110.20	121.88
2	57	21	THR	CA-C-O	-8.98	110.20	121.88
2	6B	21	THR	CA-C-O	-8.98	110.20	121.88
1	1A	95	THR	CA-C-O	-8.98	107.61	119.11
2	1F	107	PHE	CA-CB-CG	-8.98	104.82	113.80
1	1I	95	THR	CA-C-O	-8.98	107.61	119.11
1	2E	95	THR	CA-C-O	-8.98	107.61	119.11
2	2N	107	PHE	CA-CB-CG	-8.98	104.82	113.80
2	23	107	PHE	CA-CB-CG	-8.98	104.82	113.80
1	26	95	THR	CA-C-O	-8.98	107.61	119.11
1	3E	95	THR	CA-C-O	-8.98	107.61	119.11
2	3N	107	PHE	CA-CB-CG	-8.98	104.82	113.80
2	37	107	PHE	CA-CB-CG	-8.98	104.82	113.80
1	4A	95	THR	CA-C-O	-8.98	107.61	119.11
2	4J	107	PHE	CA-CB-CG	-8.98	104.82	113.80
1	4M	95	THR	CA-C-O	-8.98	107.61	119.11
2	4R	107	PHE	CA-CB-CG	-8.98	104.82	113.80
1	4U	95	THR	CA-C-O	-8.98	107.61	119.11
1	5Q	95	THR	CA-C-O	-8.98	107.61	119.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5Z	107	PHE	CA-CB-CG	-8.98	104.82	113.80
2	6F	107	PHE	CA-CB-CG	-8.98	104.82	113.80
1	6I	95	THR	CA-C-O	-8.98	107.61	119.11
1	6Q	95	THR	CA-C-O	-8.98	107.61	119.11
2	6Z	107	PHE	CA-CB-CG	-8.98	104.82	113.80
2	7J	107	PHE	CA-CB-CG	-8.98	104.82	113.80
1	7M	95	THR	CA-C-O	-8.98	107.61	119.11
2	7V	107	PHE	CA-CB-CG	-8.98	104.82	113.80
2	13	21	THR	CA-C-O	-8.98	110.21	121.88
2	17	21	THR	CA-C-O	-8.98	110.21	121.88
2	2B	21	THR	CA-C-O	-8.98	110.21	121.88
2	3R	21	THR	CA-C-O	-8.98	110.21	121.88
2	3V	21	THR	CA-C-O	-8.98	110.21	121.88
2	3Z	21	THR	CA-C-O	-8.98	110.21	121.88
2	5F	21	THR	CA-C-O	-8.98	110.21	121.88
2	5J	21	THR	CA-C-O	-8.98	110.21	121.88
2	5N	21	THR	CA-C-O	-8.98	110.21	121.88
2	63	21	THR	CA-C-O	-8.98	110.21	121.88
2	67	21	THR	CA-C-O	-8.98	110.21	121.88
2	7B	21	THR	CA-C-O	-8.98	110.21	121.88
1	1E	91	PRO	CA-C-O	8.97	133.17	122.13
1	1E	95	THR	CA-C-O	-8.97	107.62	119.11
2	1N	21	THR	CA-C-O	-8.97	110.22	121.88
2	2J	21	THR	CA-C-O	-8.97	110.22	121.88
1	2M	91	PRO	CA-C-O	8.97	133.17	122.13
1	2M	95	THR	CA-C-O	-8.97	107.62	119.11
1	22	91	PRO	CA-C-O	8.97	133.17	122.13
1	22	95	THR	CA-C-O	-8.97	107.62	119.11
2	3B	21	THR	CA-C-O	-8.97	110.22	121.88
2	3J	21	THR	CA-C-O	-8.97	110.22	121.88
1	3M	91	PRO	CA-C-O	8.97	133.17	122.13
1	3M	95	THR	CA-C-O	-8.97	107.62	119.11
2	33	21	THR	CA-C-O	-8.97	110.22	121.88
1	36	91	PRO	CA-C-O	8.97	133.17	122.13
1	36	95	THR	CA-C-O	-8.97	107.62	119.11
2	4F	21	THR	CA-C-O	-8.97	110.22	121.88
1	4I	91	PRO	CA-C-O	8.97	133.17	122.13
1	4I	95	THR	CA-C-O	-8.97	107.62	119.11
1	4Q	91	PRO	CA-C-O	8.97	133.17	122.13
1	4Q	95	THR	CA-C-O	-8.97	107.62	119.11
2	4Z	21	THR	CA-C-O	-8.97	110.22	121.88
2	5V	21	THR	CA-C-O	-8.97	110.22	121.88

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	91	PRO	CA-C-O	8.97	133.17	122.13
1	5Y	95	THR	CA-C-O	-8.97	107.62	119.11
1	6E	91	PRO	CA-C-O	8.97	133.17	122.13
1	6E	95	THR	CA-C-O	-8.97	107.62	119.11
2	6N	21	THR	CA-C-O	-8.97	110.22	121.88
2	6V	21	THR	CA-C-O	-8.97	110.22	121.88
1	6Y	91	PRO	CA-C-O	8.97	133.17	122.13
1	6Y	95	THR	CA-C-O	-8.97	107.62	119.11
2	7F	21	THR	CA-C-O	-8.97	110.22	121.88
1	7I	91	PRO	CA-C-O	8.97	133.17	122.13
1	7I	95	THR	CA-C-O	-8.97	107.62	119.11
2	7R	21	THR	CA-C-O	-8.97	110.22	121.88
1	7U	91	PRO	CA-C-O	8.97	133.17	122.13
1	7U	95	THR	CA-C-O	-8.97	107.62	119.11
2	1F	21	THR	CA-C-O	-8.97	110.22	121.88
1	1Q	91	PRO	CA-C-O	8.97	133.17	122.13
1	1U	91	PRO	CA-C-O	8.97	133.17	122.13
1	1Y	91	PRO	CA-C-O	8.97	133.17	122.13
2	2N	21	THR	CA-C-O	-8.97	110.22	121.88
1	2Q	91	PRO	CA-C-O	8.97	133.17	122.13
1	2U	91	PRO	CA-C-O	8.97	133.17	122.13
1	2Y	91	PRO	CA-C-O	8.97	133.17	122.13
2	23	21	THR	CA-C-O	-8.97	110.22	121.88
2	3N	21	THR	CA-C-O	-8.97	110.22	121.88
2	37	21	THR	CA-C-O	-8.97	110.22	121.88
2	4J	21	THR	CA-C-O	-8.97	110.22	121.88
2	4R	21	THR	CA-C-O	-8.97	110.22	121.88
1	42	91	PRO	CA-C-O	8.97	133.17	122.13
1	46	91	PRO	CA-C-O	8.97	133.17	122.13
1	5A	91	PRO	CA-C-O	8.97	133.17	122.13
2	5Z	21	THR	CA-C-O	-8.97	110.22	121.88
1	52	91	PRO	CA-C-O	8.97	133.17	122.13
1	56	91	PRO	CA-C-O	8.97	133.17	122.13
1	6A	91	PRO	CA-C-O	8.97	133.17	122.13
2	6F	21	THR	CA-C-O	-8.97	110.22	121.88
2	6Z	21	THR	CA-C-O	-8.97	110.22	121.88
2	7J	21	THR	CA-C-O	-8.97	110.22	121.88
2	7V	21	THR	CA-C-O	-8.97	110.22	121.88
1	1E	143	GLU	CA-C-N	-8.97	106.29	121.09
1	1E	143	GLU	C-N-CA	-8.97	106.29	121.09
1	2M	143	GLU	CA-C-N	-8.97	106.29	121.09
1	2M	143	GLU	C-N-CA	-8.97	106.29	121.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22	143	GLU	CA-C-N	-8.97	106.29	121.09
1	22	143	GLU	C-N-CA	-8.97	106.29	121.09
1	3M	143	GLU	CA-C-N	-8.97	106.29	121.09
1	3M	143	GLU	C-N-CA	-8.97	106.29	121.09
1	36	143	GLU	CA-C-N	-8.97	106.29	121.09
1	36	143	GLU	C-N-CA	-8.97	106.29	121.09
1	4I	143	GLU	CA-C-N	-8.97	106.29	121.09
1	4I	143	GLU	C-N-CA	-8.97	106.29	121.09
1	4Q	143	GLU	CA-C-N	-8.97	106.29	121.09
1	4Q	143	GLU	C-N-CA	-8.97	106.29	121.09
1	5Y	143	GLU	CA-C-N	-8.97	106.29	121.09
1	5Y	143	GLU	C-N-CA	-8.97	106.29	121.09
1	6E	143	GLU	CA-C-N	-8.97	106.29	121.09
1	6E	143	GLU	C-N-CA	-8.97	106.29	121.09
1	6Y	143	GLU	CA-C-N	-8.97	106.29	121.09
1	6Y	143	GLU	C-N-CA	-8.97	106.29	121.09
1	7I	143	GLU	CA-C-N	-8.97	106.29	121.09
1	7I	143	GLU	C-N-CA	-8.97	106.29	121.09
1	7U	143	GLU	CA-C-N	-8.97	106.29	121.09
1	7U	143	GLU	C-N-CA	-8.97	106.29	121.09
1	12	143	GLU	CA-C-N	-8.97	106.29	121.09
1	12	143	GLU	C-N-CA	-8.97	106.29	121.09
1	16	143	GLU	CA-C-N	-8.97	106.29	121.09
1	16	143	GLU	C-N-CA	-8.97	106.29	121.09
1	2A	143	GLU	CA-C-N	-8.97	106.29	121.09
1	2A	143	GLU	C-N-CA	-8.97	106.29	121.09
1	3Q	143	GLU	CA-C-N	-8.97	106.29	121.09
1	3Q	143	GLU	C-N-CA	-8.97	106.29	121.09
1	3U	143	GLU	CA-C-N	-8.97	106.29	121.09
1	3U	143	GLU	C-N-CA	-8.97	106.29	121.09
1	3Y	143	GLU	CA-C-N	-8.97	106.29	121.09
1	3Y	143	GLU	C-N-CA	-8.97	106.29	121.09
1	5E	143	GLU	CA-C-N	-8.97	106.29	121.09
1	5E	143	GLU	C-N-CA	-8.97	106.29	121.09
1	5I	143	GLU	CA-C-N	-8.97	106.29	121.09
1	5I	143	GLU	C-N-CA	-8.97	106.29	121.09
1	5M	143	GLU	CA-C-N	-8.97	106.29	121.09
1	5M	143	GLU	C-N-CA	-8.97	106.29	121.09
1	62	143	GLU	CA-C-N	-8.97	106.29	121.09
1	62	143	GLU	C-N-CA	-8.97	106.29	121.09
1	66	143	GLU	CA-C-N	-8.97	106.29	121.09
1	66	143	GLU	C-N-CA	-8.97	106.29	121.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7A	143	GLU	CA-C-N	-8.97	106.29	121.09
1	7A	143	GLU	C-N-CA	-8.97	106.29	121.09
1	1M	95	THR	CA-C-O	-8.96	107.64	119.11
1	2I	95	THR	CA-C-O	-8.96	107.64	119.11
1	3A	95	THR	CA-C-O	-8.96	107.64	119.11
1	3I	95	THR	CA-C-O	-8.96	107.64	119.11
1	32	95	THR	CA-C-O	-8.96	107.64	119.11
1	4E	95	THR	CA-C-O	-8.96	107.64	119.11
1	4Y	95	THR	CA-C-O	-8.96	107.64	119.11
1	5U	95	THR	CA-C-O	-8.96	107.64	119.11
1	6M	95	THR	CA-C-O	-8.96	107.64	119.11
1	6U	95	THR	CA-C-O	-8.96	107.64	119.11
1	7E	95	THR	CA-C-O	-8.96	107.64	119.11
1	7Q	95	THR	CA-C-O	-8.96	107.64	119.11
1	1A	68	SER	CA-C-N	-8.96	109.45	122.44
1	1A	68	SER	C-N-CA	-8.96	109.45	122.44
1	1A	143	GLU	CA-C-N	-8.96	106.31	121.09
1	1A	143	GLU	C-N-CA	-8.96	106.31	121.09
2	1B	21	THR	CA-C-O	-8.96	110.23	121.88
2	1B	107	PHE	CA-CB-CG	-8.96	104.84	113.80
1	1I	68	SER	CA-C-N	-8.96	109.45	122.44
1	1I	68	SER	C-N-CA	-8.96	109.45	122.44
1	1I	143	GLU	CA-C-N	-8.96	106.31	121.09
1	1I	143	GLU	C-N-CA	-8.96	106.31	121.09
2	1J	21	THR	CA-C-O	-8.96	110.23	121.88
2	1J	107	PHE	CA-CB-CG	-8.96	104.84	113.80
1	1M	143	GLU	CA-C-N	-8.96	106.31	121.09
1	1M	143	GLU	C-N-CA	-8.96	106.31	121.09
1	1Q	95	THR	CA-C-O	-8.96	107.64	119.11
1	1U	95	THR	CA-C-O	-8.96	107.64	119.11
1	1Y	95	THR	CA-C-O	-8.96	107.64	119.11
1	2E	68	SER	CA-C-N	-8.96	109.45	122.44
1	2E	68	SER	C-N-CA	-8.96	109.45	122.44
1	2E	143	GLU	CA-C-N	-8.96	106.31	121.09
1	2E	143	GLU	C-N-CA	-8.96	106.31	121.09
1	2U	95	THR	CA-C-O	-8.96	107.64	119.11
2	2F	21	THR	CA-C-O	-8.96	110.23	121.88
2	2F	107	PHE	CA-CB-CG	-8.96	104.84	113.80
1	2I	143	GLU	CA-C-N	-8.96	106.31	121.09
1	2I	143	GLU	C-N-CA	-8.96	106.31	121.09
1	2Q	95	THR	CA-C-O	-8.96	107.64	119.11
1	2Y	95	THR	CA-C-O	-8.96	107.64	119.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	26	68	SER	CA-C-N	-8.96	109.45	122.44
1	26	68	SER	C-N-CA	-8.96	109.45	122.44
1	26	143	GLU	CA-C-N	-8.96	106.31	121.09
1	26	143	GLU	C-N-CA	-8.96	106.31	121.09
2	27	21	THR	CA-C-O	-8.96	110.23	121.88
2	27	107	PHE	CA-CB-CG	-8.96	104.84	113.80
1	3A	143	GLU	CA-C-N	-8.96	106.31	121.09
1	3A	143	GLU	C-N-CA	-8.96	106.31	121.09
1	3E	68	SER	CA-C-N	-8.96	109.45	122.44
1	3E	68	SER	C-N-CA	-8.96	109.45	122.44
1	3E	143	GLU	CA-C-N	-8.96	106.31	121.09
1	3E	143	GLU	C-N-CA	-8.96	106.31	121.09
2	3F	21	THR	CA-C-O	-8.96	110.23	121.88
2	3F	107	PHE	CA-CB-CG	-8.96	104.84	113.80
1	3I	143	GLU	CA-C-N	-8.96	106.31	121.09
1	3I	143	GLU	C-N-CA	-8.96	106.31	121.09
1	32	143	GLU	CA-C-N	-8.96	106.31	121.09
1	32	143	GLU	C-N-CA	-8.96	106.31	121.09
1	4A	68	SER	CA-C-N	-8.96	109.45	122.44
1	4A	68	SER	C-N-CA	-8.96	109.45	122.44
1	4A	143	GLU	CA-C-N	-8.96	106.31	121.09
1	4A	143	GLU	C-N-CA	-8.96	106.31	121.09
2	4B	21	THR	CA-C-O	-8.96	110.23	121.88
2	4B	107	PHE	CA-CB-CG	-8.96	104.84	113.80
1	4E	143	GLU	CA-C-N	-8.96	106.31	121.09
1	4E	143	GLU	C-N-CA	-8.96	106.31	121.09
1	4M	68	SER	CA-C-N	-8.96	109.45	122.44
1	4M	68	SER	C-N-CA	-8.96	109.45	122.44
1	4M	143	GLU	CA-C-N	-8.96	106.31	121.09
1	4M	143	GLU	C-N-CA	-8.96	106.31	121.09
2	4N	21	THR	CA-C-O	-8.96	110.23	121.88
2	4N	107	PHE	CA-CB-CG	-8.96	104.84	113.80
1	4U	68	SER	CA-C-N	-8.96	109.45	122.44
1	4U	68	SER	C-N-CA	-8.96	109.45	122.44
1	4U	143	GLU	CA-C-N	-8.96	106.31	121.09
1	4U	143	GLU	C-N-CA	-8.96	106.31	121.09
2	4V	21	THR	CA-C-O	-8.96	110.23	121.88
2	4V	107	PHE	CA-CB-CG	-8.96	104.84	113.80
1	4Y	143	GLU	CA-C-N	-8.96	106.31	121.09
1	4Y	143	GLU	C-N-CA	-8.96	106.31	121.09
1	42	95	THR	CA-C-O	-8.96	107.64	119.11
1	46	95	THR	CA-C-O	-8.96	107.64	119.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	95	THR	CA-C-O	-8.96	107.64	119.11
1	5Q	68	SER	CA-C-N	-8.96	109.45	122.44
1	5Q	68	SER	C-N-CA	-8.96	109.45	122.44
1	5Q	143	GLU	CA-C-N	-8.96	106.31	121.09
1	5Q	143	GLU	C-N-CA	-8.96	106.31	121.09
1	56	95	THR	CA-C-O	-8.96	107.64	119.11
2	5R	21	THR	CA-C-O	-8.96	110.23	121.88
2	5R	107	PHE	CA-CB-CG	-8.96	104.84	113.80
1	5U	143	GLU	CA-C-N	-8.96	106.31	121.09
1	5U	143	GLU	C-N-CA	-8.96	106.31	121.09
1	52	95	THR	CA-C-O	-8.96	107.64	119.11
1	6A	95	THR	CA-C-O	-8.96	107.64	119.11
1	6I	68	SER	CA-C-N	-8.96	109.45	122.44
1	6I	68	SER	C-N-CA	-8.96	109.45	122.44
1	6I	143	GLU	CA-C-N	-8.96	106.31	121.09
1	6I	143	GLU	C-N-CA	-8.96	106.31	121.09
2	6J	21	THR	CA-C-O	-8.96	110.23	121.88
2	6J	107	PHE	CA-CB-CG	-8.96	104.84	113.80
1	6M	143	GLU	CA-C-N	-8.96	106.31	121.09
1	6M	143	GLU	C-N-CA	-8.96	106.31	121.09
1	6Q	68	SER	CA-C-N	-8.96	109.45	122.44
1	6Q	68	SER	C-N-CA	-8.96	109.45	122.44
1	6Q	143	GLU	CA-C-N	-8.96	106.31	121.09
1	6Q	143	GLU	C-N-CA	-8.96	106.31	121.09
2	6R	21	THR	CA-C-O	-8.96	110.23	121.88
2	6R	107	PHE	CA-CB-CG	-8.96	104.84	113.80
1	6U	143	GLU	CA-C-N	-8.96	106.31	121.09
1	6U	143	GLU	C-N-CA	-8.96	106.31	121.09
1	7E	143	GLU	CA-C-N	-8.96	106.31	121.09
1	7E	143	GLU	C-N-CA	-8.96	106.31	121.09
1	7M	68	SER	CA-C-N	-8.96	109.45	122.44
1	7M	68	SER	C-N-CA	-8.96	109.45	122.44
1	7M	143	GLU	CA-C-N	-8.96	106.31	121.09
1	7M	143	GLU	C-N-CA	-8.96	106.31	121.09
2	7N	21	THR	CA-C-O	-8.96	110.23	121.88
2	7N	107	PHE	CA-CB-CG	-8.96	104.84	113.80
1	7Q	143	GLU	CA-C-N	-8.96	106.31	121.09
1	7Q	143	GLU	C-N-CA	-8.96	106.31	121.09
1	12	68	SER	CA-C-N	-8.96	109.45	122.44
1	12	68	SER	C-N-CA	-8.96	109.45	122.44
1	16	68	SER	CA-C-N	-8.96	109.45	122.44
1	16	68	SER	C-N-CA	-8.96	109.45	122.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	68	SER	CA-C-N	-8.96	109.45	122.44
1	2A	68	SER	C-N-CA	-8.96	109.45	122.44
1	3Q	68	SER	CA-C-N	-8.96	109.45	122.44
1	3Q	68	SER	C-N-CA	-8.96	109.45	122.44
1	3U	68	SER	CA-C-N	-8.96	109.45	122.44
1	3U	68	SER	C-N-CA	-8.96	109.45	122.44
1	3Y	68	SER	CA-C-N	-8.96	109.45	122.44
1	3Y	68	SER	C-N-CA	-8.96	109.45	122.44
1	5E	68	SER	CA-C-N	-8.96	109.45	122.44
1	5E	68	SER	C-N-CA	-8.96	109.45	122.44
1	5I	68	SER	CA-C-N	-8.96	109.45	122.44
1	5I	68	SER	C-N-CA	-8.96	109.45	122.44
1	5M	68	SER	CA-C-N	-8.96	109.45	122.44
1	5M	68	SER	C-N-CA	-8.96	109.45	122.44
1	62	68	SER	CA-C-N	-8.96	109.45	122.44
1	62	68	SER	C-N-CA	-8.96	109.45	122.44
1	66	68	SER	CA-C-N	-8.96	109.45	122.44
1	66	68	SER	C-N-CA	-8.96	109.45	122.44
1	7A	68	SER	CA-C-N	-8.96	109.45	122.44
1	7A	68	SER	C-N-CA	-8.96	109.45	122.44
1	1M	68	SER	CA-C-N	-8.95	109.46	122.44
1	1M	68	SER	C-N-CA	-8.95	109.46	122.44
1	2I	68	SER	CA-C-N	-8.95	109.46	122.44
1	2I	68	SER	C-N-CA	-8.95	109.46	122.44
1	3A	68	SER	CA-C-N	-8.95	109.46	122.44
1	3A	68	SER	C-N-CA	-8.95	109.46	122.44
1	3I	68	SER	CA-C-N	-8.95	109.46	122.44
1	3I	68	SER	C-N-CA	-8.95	109.46	122.44
1	32	68	SER	CA-C-N	-8.95	109.46	122.44
1	32	68	SER	C-N-CA	-8.95	109.46	122.44
1	4E	68	SER	CA-C-N	-8.95	109.46	122.44
1	4E	68	SER	C-N-CA	-8.95	109.46	122.44
1	4Y	68	SER	CA-C-N	-8.95	109.46	122.44
1	4Y	68	SER	C-N-CA	-8.95	109.46	122.44
1	5U	68	SER	CA-C-N	-8.95	109.46	122.44
1	5U	68	SER	C-N-CA	-8.95	109.46	122.44
1	6M	68	SER	CA-C-N	-8.95	109.46	122.44
1	6M	68	SER	C-N-CA	-8.95	109.46	122.44
1	6U	68	SER	CA-C-N	-8.95	109.46	122.44
1	6U	68	SER	C-N-CA	-8.95	109.46	122.44
1	7E	68	SER	CA-C-N	-8.95	109.46	122.44
1	7E	68	SER	C-N-CA	-8.95	109.46	122.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	68	SER	CA-C-N	-8.95	109.46	122.44
1	7Q	68	SER	C-N-CA	-8.95	109.46	122.44
2	1N	107	PHE	CA-CB-CG	-8.95	104.85	113.80
1	12	95	THR	CA-C-O	-8.95	107.66	119.11
1	16	95	THR	CA-C-O	-8.95	107.66	119.11
1	2A	95	THR	CA-C-O	-8.95	107.66	119.11
2	2J	107	PHE	CA-CB-CG	-8.95	104.85	113.80
2	3B	107	PHE	CA-CB-CG	-8.95	104.85	113.80
2	3J	107	PHE	CA-CB-CG	-8.95	104.85	113.80
1	3Q	95	THR	CA-C-O	-8.95	107.66	119.11
1	3U	95	THR	CA-C-O	-8.95	107.66	119.11
1	3Y	95	THR	CA-C-O	-8.95	107.66	119.11
2	33	107	PHE	CA-CB-CG	-8.95	104.85	113.80
2	4F	107	PHE	CA-CB-CG	-8.95	104.85	113.80
2	4Z	107	PHE	CA-CB-CG	-8.95	104.85	113.80
1	5E	95	THR	CA-C-O	-8.95	107.66	119.11
1	5I	95	THR	CA-C-O	-8.95	107.66	119.11
1	5M	95	THR	CA-C-O	-8.95	107.66	119.11
2	5V	107	PHE	CA-CB-CG	-8.95	104.85	113.80
2	6N	107	PHE	CA-CB-CG	-8.95	104.85	113.80
2	6V	107	PHE	CA-CB-CG	-8.95	104.85	113.80
1	62	95	THR	CA-C-O	-8.95	107.66	119.11
1	66	95	THR	CA-C-O	-8.95	107.66	119.11
1	7A	95	THR	CA-C-O	-8.95	107.66	119.11
2	7F	107	PHE	CA-CB-CG	-8.95	104.85	113.80
2	7R	107	PHE	CA-CB-CG	-8.95	104.85	113.80
1	1Q	143	GLU	CA-C-N	-8.94	106.33	121.09
1	1Q	143	GLU	C-N-CA	-8.94	106.33	121.09
1	1U	143	GLU	CA-C-N	-8.94	106.33	121.09
1	1U	143	GLU	C-N-CA	-8.94	106.33	121.09
1	1Y	143	GLU	CA-C-N	-8.94	106.33	121.09
1	1Y	143	GLU	C-N-CA	-8.94	106.33	121.09
1	2Q	143	GLU	CA-C-N	-8.94	106.33	121.09
1	2Q	143	GLU	C-N-CA	-8.94	106.33	121.09
1	2U	143	GLU	CA-C-N	-8.94	106.33	121.09
1	2U	143	GLU	C-N-CA	-8.94	106.33	121.09
1	2Y	143	GLU	CA-C-N	-8.94	106.33	121.09
1	2Y	143	GLU	C-N-CA	-8.94	106.33	121.09
1	42	143	GLU	CA-C-N	-8.94	106.33	121.09
1	42	143	GLU	C-N-CA	-8.94	106.33	121.09
1	46	143	GLU	CA-C-N	-8.94	106.33	121.09
1	46	143	GLU	C-N-CA	-8.94	106.33	121.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	143	GLU	CA-C-N	-8.94	106.33	121.09
1	5A	143	GLU	C-N-CA	-8.94	106.33	121.09
1	52	143	GLU	CA-C-N	-8.94	106.33	121.09
1	52	143	GLU	C-N-CA	-8.94	106.33	121.09
1	56	143	GLU	CA-C-N	-8.94	106.33	121.09
1	56	143	GLU	C-N-CA	-8.94	106.33	121.09
1	6A	143	GLU	CA-C-N	-8.94	106.33	121.09
1	6A	143	GLU	C-N-CA	-8.94	106.33	121.09
2	13	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	17	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	2B	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	3R	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	3V	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	3Z	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	5F	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	5J	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	5N	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	63	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	67	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	7B	107	PHE	CA-CB-CG	-8.94	104.86	113.80
1	1M	91	PRO	CA-C-O	8.94	133.12	122.13
2	1R	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	1V	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	1Z	107	PHE	CA-CB-CG	-8.94	104.86	113.80
1	2I	91	PRO	CA-C-O	8.94	133.12	122.13
2	2R	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	2V	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	2Z	107	PHE	CA-CB-CG	-8.94	104.86	113.80
1	3A	91	PRO	CA-C-O	8.94	133.12	122.13
1	3I	91	PRO	CA-C-O	8.94	133.12	122.13
1	32	91	PRO	CA-C-O	8.94	133.12	122.13
1	4E	91	PRO	CA-C-O	8.94	133.12	122.13
1	4Y	91	PRO	CA-C-O	8.94	133.12	122.13
2	43	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	47	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	5B	107	PHE	CA-CB-CG	-8.94	104.86	113.80
1	5U	91	PRO	CA-C-O	8.94	133.12	122.13
2	53	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	57	107	PHE	CA-CB-CG	-8.94	104.86	113.80
2	6B	107	PHE	CA-CB-CG	-8.94	104.86	113.80
1	6M	91	PRO	CA-C-O	8.94	133.12	122.13
1	6U	91	PRO	CA-C-O	8.94	133.12	122.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	91	PRO	CA-C-O	8.94	133.12	122.13
1	7Q	91	PRO	CA-C-O	8.94	133.12	122.13
1	12	50	ARG	N-CA-CB	8.93	125.59	110.49
1	16	50	ARG	N-CA-CB	8.93	125.59	110.49
1	2A	50	ARG	N-CA-CB	8.93	125.59	110.49
1	3Q	50	ARG	N-CA-CB	8.93	125.59	110.49
1	3U	50	ARG	N-CA-CB	8.93	125.59	110.49
1	3Y	50	ARG	N-CA-CB	8.93	125.59	110.49
1	5E	50	ARG	N-CA-CB	8.93	125.59	110.49
1	5I	50	ARG	N-CA-CB	8.93	125.59	110.49
1	5M	50	ARG	N-CA-CB	8.93	125.59	110.49
1	62	50	ARG	N-CA-CB	8.93	125.59	110.49
1	66	50	ARG	N-CA-CB	8.93	125.59	110.49
1	7A	50	ARG	N-CA-CB	8.93	125.59	110.49
1	1Q	68	SER	CA-C-N	-8.93	109.49	122.44
1	1Q	68	SER	C-N-CA	-8.93	109.49	122.44
1	1U	68	SER	CA-C-N	-8.93	109.49	122.44
1	1U	68	SER	C-N-CA	-8.93	109.49	122.44
1	1Y	68	SER	CA-C-N	-8.93	109.49	122.44
1	1Y	68	SER	C-N-CA	-8.93	109.49	122.44
1	2Q	68	SER	CA-C-N	-8.93	109.49	122.44
1	2Q	68	SER	C-N-CA	-8.93	109.49	122.44
1	2U	68	SER	CA-C-N	-8.93	109.49	122.44
1	2U	68	SER	C-N-CA	-8.93	109.49	122.44
1	2Y	68	SER	CA-C-N	-8.93	109.49	122.44
1	2Y	68	SER	C-N-CA	-8.93	109.49	122.44
1	42	68	SER	CA-C-N	-8.93	109.49	122.44
1	42	68	SER	C-N-CA	-8.93	109.49	122.44
1	46	68	SER	CA-C-N	-8.93	109.49	122.44
1	46	68	SER	C-N-CA	-8.93	109.49	122.44
1	5A	68	SER	CA-C-N	-8.93	109.49	122.44
1	5A	68	SER	C-N-CA	-8.93	109.49	122.44
1	52	68	SER	CA-C-N	-8.93	109.49	122.44
1	52	68	SER	C-N-CA	-8.93	109.49	122.44
1	56	68	SER	CA-C-N	-8.93	109.49	122.44
1	56	68	SER	C-N-CA	-8.93	109.49	122.44
1	6A	68	SER	CA-C-N	-8.93	109.49	122.44
1	6A	68	SER	C-N-CA	-8.93	109.49	122.44
1	1A	50	ARG	N-CA-CB	8.93	125.58	110.49
1	1E	68	SER	CA-C-N	-8.93	109.49	122.44
1	1E	68	SER	C-N-CA	-8.93	109.49	122.44
1	1I	50	ARG	N-CA-CB	8.93	125.58	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2E	50	ARG	N-CA-CB	8.93	125.58	110.49
1	2M	68	SER	CA-C-N	-8.93	109.49	122.44
1	2M	68	SER	C-N-CA	-8.93	109.49	122.44
1	22	68	SER	CA-C-N	-8.93	109.49	122.44
1	22	68	SER	C-N-CA	-8.93	109.49	122.44
1	26	50	ARG	N-CA-CB	8.93	125.58	110.49
1	3E	50	ARG	N-CA-CB	8.93	125.58	110.49
1	3M	68	SER	CA-C-N	-8.93	109.49	122.44
1	3M	68	SER	C-N-CA	-8.93	109.49	122.44
1	36	68	SER	CA-C-N	-8.93	109.49	122.44
1	36	68	SER	C-N-CA	-8.93	109.49	122.44
1	4A	50	ARG	N-CA-CB	8.93	125.58	110.49
1	4I	68	SER	CA-C-N	-8.93	109.49	122.44
1	4I	68	SER	C-N-CA	-8.93	109.49	122.44
1	4M	50	ARG	N-CA-CB	8.93	125.58	110.49
1	4Q	68	SER	CA-C-N	-8.93	109.49	122.44
1	4Q	68	SER	C-N-CA	-8.93	109.49	122.44
1	4U	50	ARG	N-CA-CB	8.93	125.58	110.49
1	5Q	50	ARG	N-CA-CB	8.93	125.58	110.49
1	5Y	68	SER	CA-C-N	-8.93	109.49	122.44
1	5Y	68	SER	C-N-CA	-8.93	109.49	122.44
1	6E	68	SER	CA-C-N	-8.93	109.49	122.44
1	6E	68	SER	C-N-CA	-8.93	109.49	122.44
1	6I	50	ARG	N-CA-CB	8.93	125.58	110.49
1	6Q	50	ARG	N-CA-CB	8.93	125.58	110.49
1	6Y	68	SER	CA-C-N	-8.93	109.49	122.44
1	6Y	68	SER	C-N-CA	-8.93	109.49	122.44
1	7I	68	SER	CA-C-N	-8.93	109.49	122.44
1	7I	68	SER	C-N-CA	-8.93	109.49	122.44
1	7M	50	ARG	N-CA-CB	8.93	125.58	110.49
1	7U	68	SER	CA-C-N	-8.93	109.49	122.44
1	7U	68	SER	C-N-CA	-8.93	109.49	122.44
1	1E	50	ARG	N-CA-CB	8.93	125.58	110.49
1	2M	50	ARG	N-CA-CB	8.93	125.58	110.49
1	22	50	ARG	N-CA-CB	8.93	125.58	110.49
1	3M	50	ARG	N-CA-CB	8.93	125.58	110.49
1	36	50	ARG	N-CA-CB	8.93	125.58	110.49
1	4I	50	ARG	N-CA-CB	8.93	125.58	110.49
1	4Q	50	ARG	N-CA-CB	8.93	125.58	110.49
1	5Y	50	ARG	N-CA-CB	8.93	125.58	110.49
1	6E	50	ARG	N-CA-CB	8.93	125.58	110.49
1	6Y	50	ARG	N-CA-CB	8.93	125.58	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	50	ARG	N-CA-CB	8.93	125.58	110.49
1	7U	50	ARG	N-CA-CB	8.93	125.58	110.49
1	1M	50	ARG	N-CA-CB	8.93	125.57	110.49
1	2I	50	ARG	N-CA-CB	8.93	125.57	110.49
1	3A	50	ARG	N-CA-CB	8.93	125.57	110.49
1	3I	50	ARG	N-CA-CB	8.93	125.57	110.49
1	32	50	ARG	N-CA-CB	8.93	125.57	110.49
1	4E	50	ARG	N-CA-CB	8.93	125.57	110.49
1	4Y	50	ARG	N-CA-CB	8.93	125.57	110.49
1	5U	50	ARG	N-CA-CB	8.93	125.57	110.49
1	6M	50	ARG	N-CA-CB	8.93	125.57	110.49
1	6U	50	ARG	N-CA-CB	8.93	125.57	110.49
1	7E	50	ARG	N-CA-CB	8.93	125.57	110.49
1	7Q	50	ARG	N-CA-CB	8.93	125.57	110.49
1	1Q	50	ARG	N-CA-CB	8.92	125.56	110.49
1	1U	50	ARG	N-CA-CB	8.92	125.56	110.49
1	1Y	50	ARG	N-CA-CB	8.92	125.56	110.49
1	2Q	50	ARG	N-CA-CB	8.92	125.56	110.49
1	2U	50	ARG	N-CA-CB	8.92	125.56	110.49
1	2Y	50	ARG	N-CA-CB	8.92	125.56	110.49
1	42	50	ARG	N-CA-CB	8.92	125.56	110.49
1	46	50	ARG	N-CA-CB	8.92	125.56	110.49
1	5A	50	ARG	N-CA-CB	8.92	125.56	110.49
1	52	50	ARG	N-CA-CB	8.92	125.56	110.49
1	56	50	ARG	N-CA-CB	8.92	125.56	110.49
1	6A	50	ARG	N-CA-CB	8.92	125.56	110.49
2	1B	220	PHE	CB-CG-CD1	-8.91	105.54	120.70
2	1J	220	PHE	CB-CG-CD1	-8.91	105.54	120.70
2	2F	220	PHE	CB-CG-CD1	-8.91	105.54	120.70
2	27	220	PHE	CB-CG-CD1	-8.91	105.54	120.70
2	3F	220	PHE	CB-CG-CD1	-8.91	105.54	120.70
2	4B	220	PHE	CB-CG-CD1	-8.91	105.54	120.70
2	4N	220	PHE	CB-CG-CD1	-8.91	105.54	120.70
2	4V	220	PHE	CB-CG-CD1	-8.91	105.54	120.70
2	5R	220	PHE	CB-CG-CD1	-8.91	105.54	120.70
2	6J	220	PHE	CB-CG-CD1	-8.91	105.54	120.70
2	6R	220	PHE	CB-CG-CD1	-8.91	105.54	120.70
2	7N	220	PHE	CB-CG-CD1	-8.91	105.54	120.70
1	1E	50	ARG	CA-C-N	8.91	135.93	120.87
1	1E	50	ARG	C-N-CA	8.91	135.93	120.87
1	2M	50	ARG	CA-C-N	8.91	135.93	120.87
1	2M	50	ARG	C-N-CA	8.91	135.93	120.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22	50	ARG	CA-C-N	8.91	135.93	120.87
1	22	50	ARG	C-N-CA	8.91	135.93	120.87
1	3M	50	ARG	CA-C-N	8.91	135.93	120.87
1	3M	50	ARG	C-N-CA	8.91	135.93	120.87
1	36	50	ARG	CA-C-N	8.91	135.93	120.87
1	36	50	ARG	C-N-CA	8.91	135.93	120.87
1	4I	50	ARG	CA-C-N	8.91	135.93	120.87
1	4I	50	ARG	C-N-CA	8.91	135.93	120.87
1	4Q	50	ARG	CA-C-N	8.91	135.93	120.87
1	4Q	50	ARG	C-N-CA	8.91	135.93	120.87
1	5Y	50	ARG	CA-C-N	8.91	135.93	120.87
1	5Y	50	ARG	C-N-CA	8.91	135.93	120.87
1	6E	50	ARG	CA-C-N	8.91	135.93	120.87
1	6E	50	ARG	C-N-CA	8.91	135.93	120.87
1	6Y	50	ARG	CA-C-N	8.91	135.93	120.87
1	6Y	50	ARG	C-N-CA	8.91	135.93	120.87
1	7I	50	ARG	CA-C-N	8.91	135.93	120.87
1	7I	50	ARG	C-N-CA	8.91	135.93	120.87
1	7U	50	ARG	CA-C-N	8.91	135.93	120.87
1	7U	50	ARG	C-N-CA	8.91	135.93	120.87
2	1F	108	HIS	O-C-N	8.91	134.44	122.59
2	1R	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	1R	228	ASP	CB-CA-C	-8.91	92.69	110.42
2	1V	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	1V	228	ASP	CB-CA-C	-8.91	92.69	110.42
2	1Z	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	1Z	228	ASP	CB-CA-C	-8.91	92.69	110.42
2	2N	108	HIS	O-C-N	8.91	134.44	122.59
2	23	108	HIS	O-C-N	8.91	134.44	122.59
2	37	108	HIS	O-C-N	8.91	134.44	122.59
2	13	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	17	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	2B	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	2R	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	2R	228	ASP	CB-CA-C	-8.91	92.69	110.42
2	2V	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	2V	228	ASP	CB-CA-C	-8.91	92.69	110.42
2	2Z	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	2Z	228	ASP	CB-CA-C	-8.91	92.69	110.42
2	3N	108	HIS	O-C-N	8.91	134.44	122.59
2	4J	108	HIS	O-C-N	8.91	134.44	122.59
2	4R	108	HIS	O-C-N	8.91	134.44	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7V	108	HIS	O-C-N	8.91	134.44	122.59
2	3R	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	3V	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	3Z	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	43	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	43	228	ASP	CB-CA-C	-8.91	92.69	110.42
2	47	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	47	228	ASP	CB-CA-C	-8.91	92.69	110.42
2	5B	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	5B	228	ASP	CB-CA-C	-8.91	92.69	110.42
2	5Z	108	HIS	O-C-N	8.91	134.44	122.59
2	6F	108	HIS	O-C-N	8.91	134.44	122.59
2	6Z	108	HIS	O-C-N	8.91	134.44	122.59
2	5F	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	5J	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	5N	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	53	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	53	228	ASP	CB-CA-C	-8.91	92.69	110.42
2	57	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	57	228	ASP	CB-CA-C	-8.91	92.69	110.42
2	6B	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	6B	228	ASP	CB-CA-C	-8.91	92.69	110.42
2	7J	108	HIS	O-C-N	8.91	134.44	122.59
2	63	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	67	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	7B	220	PHE	CB-CG-CD1	-8.91	105.56	120.70
2	1F	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	1N	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	7J	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	1F	108	HIS	N-CA-CB	8.90	125.54	110.49
1	12	50	ARG	CA-C-N	8.90	135.92	120.87
1	12	50	ARG	C-N-CA	8.90	135.92	120.87
1	16	50	ARG	CA-C-N	8.90	135.92	120.87
1	16	50	ARG	C-N-CA	8.90	135.92	120.87
1	2A	50	ARG	CA-C-N	8.90	135.92	120.87
1	2A	50	ARG	C-N-CA	8.90	135.92	120.87
2	2J	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	2N	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	23	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	3B	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	3J	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	3N	220	PHE	CB-CG-CD1	-8.90	105.56	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4J	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	6F	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	2N	108	HIS	N-CA-CB	8.90	125.54	110.49
2	23	108	HIS	N-CA-CB	8.90	125.54	110.49
2	3N	108	HIS	N-CA-CB	8.90	125.54	110.49
1	3Q	50	ARG	CA-C-N	8.90	135.92	120.87
1	3Q	50	ARG	C-N-CA	8.90	135.92	120.87
1	3U	50	ARG	CA-C-N	8.90	135.92	120.87
1	3U	50	ARG	C-N-CA	8.90	135.92	120.87
1	3Y	50	ARG	CA-C-N	8.90	135.92	120.87
1	3Y	50	ARG	C-N-CA	8.90	135.92	120.87
2	33	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	37	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	4F	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	4R	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	4Z	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	6Z	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	7R	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	37	108	HIS	N-CA-CB	8.90	125.54	110.49
2	4J	108	HIS	N-CA-CB	8.90	125.54	110.49
2	4R	108	HIS	N-CA-CB	8.90	125.54	110.49
1	5E	50	ARG	CA-C-N	8.90	135.92	120.87
1	5E	50	ARG	C-N-CA	8.90	135.92	120.87
1	5I	50	ARG	CA-C-N	8.90	135.92	120.87
1	5I	50	ARG	C-N-CA	8.90	135.92	120.87
1	5M	50	ARG	CA-C-N	8.90	135.92	120.87
1	5M	50	ARG	C-N-CA	8.90	135.92	120.87
2	5V	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	5Z	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	6N	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	6V	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	7F	220	PHE	CB-CG-CD1	-8.90	105.56	120.70
2	5Z	108	HIS	N-CA-CB	8.90	125.54	110.49
2	6F	108	HIS	N-CA-CB	8.90	125.54	110.49
2	6Z	108	HIS	N-CA-CB	8.90	125.54	110.49
1	62	50	ARG	CA-C-N	8.90	135.92	120.87
1	62	50	ARG	C-N-CA	8.90	135.92	120.87
1	66	50	ARG	CA-C-N	8.90	135.92	120.87
1	66	50	ARG	C-N-CA	8.90	135.92	120.87
1	7A	50	ARG	CA-C-N	8.90	135.92	120.87
1	7A	50	ARG	C-N-CA	8.90	135.92	120.87
2	7V	220	PHE	CB-CG-CD1	-8.90	105.56	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	108	HIS	N-CA-CB	8.90	125.54	110.49
2	7V	108	HIS	N-CA-CB	8.90	125.54	110.49
2	13	228	ASP	CB-CA-C	-8.90	92.71	110.42
2	17	228	ASP	CB-CA-C	-8.90	92.71	110.42
2	2B	228	ASP	CB-CA-C	-8.90	92.71	110.42
2	3R	228	ASP	CB-CA-C	-8.90	92.71	110.42
2	3V	228	ASP	CB-CA-C	-8.90	92.71	110.42
2	3Z	228	ASP	CB-CA-C	-8.90	92.71	110.42
2	5F	228	ASP	CB-CA-C	-8.90	92.71	110.42
2	5J	228	ASP	CB-CA-C	-8.90	92.71	110.42
2	5N	228	ASP	CB-CA-C	-8.90	92.71	110.42
2	63	228	ASP	CB-CA-C	-8.90	92.71	110.42
2	67	228	ASP	CB-CA-C	-8.90	92.71	110.42
2	7B	228	ASP	CB-CA-C	-8.90	92.71	110.42
2	1N	108	HIS	N-CA-CB	8.90	125.53	110.49
1	1Q	50	ARG	CA-C-N	8.90	135.91	120.87
1	1Q	50	ARG	C-N-CA	8.90	135.91	120.87
1	1U	50	ARG	CA-C-N	8.90	135.91	120.87
1	1U	50	ARG	C-N-CA	8.90	135.91	120.87
1	1Y	50	ARG	CA-C-N	8.90	135.91	120.87
1	1Y	50	ARG	C-N-CA	8.90	135.91	120.87
2	2J	108	HIS	N-CA-CB	8.90	125.53	110.49
1	2Q	50	ARG	CA-C-N	8.90	135.91	120.87
1	2Q	50	ARG	C-N-CA	8.90	135.91	120.87
1	2U	50	ARG	CA-C-N	8.90	135.91	120.87
1	2U	50	ARG	C-N-CA	8.90	135.91	120.87
1	2Y	50	ARG	CA-C-N	8.90	135.91	120.87
1	2Y	50	ARG	C-N-CA	8.90	135.91	120.87
2	3B	108	HIS	N-CA-CB	8.90	125.53	110.49
2	3J	108	HIS	N-CA-CB	8.90	125.53	110.49
2	33	108	HIS	N-CA-CB	8.90	125.53	110.49
2	4F	108	HIS	N-CA-CB	8.90	125.53	110.49
2	4Z	108	HIS	N-CA-CB	8.90	125.53	110.49
1	42	50	ARG	CA-C-N	8.90	135.91	120.87
1	42	50	ARG	C-N-CA	8.90	135.91	120.87
1	46	50	ARG	CA-C-N	8.90	135.91	120.87
1	46	50	ARG	C-N-CA	8.90	135.91	120.87
1	5A	50	ARG	CA-C-N	8.90	135.91	120.87
1	5A	50	ARG	C-N-CA	8.90	135.91	120.87
2	5V	108	HIS	N-CA-CB	8.90	125.53	110.49
1	52	50	ARG	CA-C-N	8.90	135.91	120.87
1	52	50	ARG	C-N-CA	8.90	135.91	120.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	50	ARG	CA-C-N	8.90	135.91	120.87
1	56	50	ARG	C-N-CA	8.90	135.91	120.87
1	6A	50	ARG	CA-C-N	8.90	135.91	120.87
1	6A	50	ARG	C-N-CA	8.90	135.91	120.87
2	6N	108	HIS	N-CA-CB	8.90	125.53	110.49
2	6V	108	HIS	N-CA-CB	8.90	125.53	110.49
2	7F	108	HIS	N-CA-CB	8.90	125.53	110.49
2	7R	108	HIS	N-CA-CB	8.90	125.53	110.49
1	1A	50	ARG	CA-C-N	8.89	135.90	120.87
1	1A	50	ARG	C-N-CA	8.89	135.90	120.87
1	1I	50	ARG	CA-C-N	8.89	135.90	120.87
1	1I	50	ARG	C-N-CA	8.89	135.90	120.87
2	1N	228	ASP	CB-CA-C	-8.89	92.72	110.42
1	2E	50	ARG	CA-C-N	8.89	135.90	120.87
1	2E	50	ARG	C-N-CA	8.89	135.90	120.87
2	2J	228	ASP	CB-CA-C	-8.89	92.72	110.42
1	26	50	ARG	CA-C-N	8.89	135.90	120.87
1	26	50	ARG	C-N-CA	8.89	135.90	120.87
2	3B	228	ASP	CB-CA-C	-8.89	92.72	110.42
1	3E	50	ARG	CA-C-N	8.89	135.90	120.87
1	3E	50	ARG	C-N-CA	8.89	135.90	120.87
2	3J	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	33	228	ASP	CB-CA-C	-8.89	92.72	110.42
1	4A	50	ARG	CA-C-N	8.89	135.90	120.87
1	4A	50	ARG	C-N-CA	8.89	135.90	120.87
2	4F	228	ASP	CB-CA-C	-8.89	92.72	110.42
1	4M	50	ARG	CA-C-N	8.89	135.90	120.87
1	4M	50	ARG	C-N-CA	8.89	135.90	120.87
1	4U	50	ARG	CA-C-N	8.89	135.90	120.87
1	4U	50	ARG	C-N-CA	8.89	135.90	120.87
2	4Z	228	ASP	CB-CA-C	-8.89	92.72	110.42
1	5Q	50	ARG	CA-C-N	8.89	135.90	120.87
1	5Q	50	ARG	C-N-CA	8.89	135.90	120.87
2	5V	228	ASP	CB-CA-C	-8.89	92.72	110.42
1	6I	50	ARG	CA-C-N	8.89	135.90	120.87
1	6I	50	ARG	C-N-CA	8.89	135.90	120.87
2	6N	228	ASP	CB-CA-C	-8.89	92.72	110.42
1	6Q	50	ARG	CA-C-N	8.89	135.90	120.87
1	6Q	50	ARG	C-N-CA	8.89	135.90	120.87
2	6V	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	7F	228	ASP	CB-CA-C	-8.89	92.72	110.42
1	7M	50	ARG	CA-C-N	8.89	135.90	120.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	50	ARG	C-N-CA	8.89	135.90	120.87
2	7R	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	1B	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	1J	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	2F	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	27	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	3F	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	4B	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	4N	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	4V	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	5R	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	6J	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	6R	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	7N	228	ASP	CB-CA-C	-8.89	92.72	110.42
2	1B	108	HIS	N-CA-CB	8.89	125.51	110.49
2	1F	228	ASP	CB-CA-C	-8.89	92.73	110.42
2	1J	108	HIS	N-CA-CB	8.89	125.51	110.49
2	2F	108	HIS	N-CA-CB	8.89	125.51	110.49
2	2N	228	ASP	CB-CA-C	-8.89	92.73	110.42
2	23	228	ASP	CB-CA-C	-8.89	92.73	110.42
2	27	108	HIS	N-CA-CB	8.89	125.51	110.49
2	3F	108	HIS	N-CA-CB	8.89	125.51	110.49
2	3N	228	ASP	CB-CA-C	-8.89	92.73	110.42
2	37	228	ASP	CB-CA-C	-8.89	92.73	110.42
2	4B	108	HIS	N-CA-CB	8.89	125.51	110.49
2	4J	228	ASP	CB-CA-C	-8.89	92.73	110.42
2	4N	108	HIS	N-CA-CB	8.89	125.51	110.49
2	4R	228	ASP	CB-CA-C	-8.89	92.73	110.42
2	4V	108	HIS	N-CA-CB	8.89	125.51	110.49
2	5R	108	HIS	N-CA-CB	8.89	125.51	110.49
2	5Z	228	ASP	CB-CA-C	-8.89	92.73	110.42
2	6F	228	ASP	CB-CA-C	-8.89	92.73	110.42
2	6J	108	HIS	N-CA-CB	8.89	125.51	110.49
2	6R	108	HIS	N-CA-CB	8.89	125.51	110.49
2	6Z	228	ASP	CB-CA-C	-8.89	92.73	110.42
2	7J	228	ASP	CB-CA-C	-8.89	92.73	110.42
2	7N	108	HIS	N-CA-CB	8.89	125.51	110.49
2	7V	228	ASP	CB-CA-C	-8.89	92.73	110.42
1	1Q	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	1U	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	1Y	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	12	21	ASN	CB-CA-C	-8.88	93.22	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	2A	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	2Q	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	2U	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	2Y	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	3Q	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	3U	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	3Y	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	42	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	46	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	5A	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	5E	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	5I	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	5M	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	52	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	56	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	6A	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	62	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	66	21	ASN	CB-CA-C	-8.88	93.22	110.10
1	7A	21	ASN	CB-CA-C	-8.88	93.22	110.10
2	13	108	HIS	N-CA-CB	8.88	125.50	110.49
2	17	108	HIS	N-CA-CB	8.88	125.50	110.49
2	2B	108	HIS	N-CA-CB	8.88	125.50	110.49
2	3R	108	HIS	N-CA-CB	8.88	125.50	110.49
2	3V	108	HIS	N-CA-CB	8.88	125.50	110.49
2	3Z	108	HIS	N-CA-CB	8.88	125.50	110.49
2	5F	108	HIS	N-CA-CB	8.88	125.50	110.49
2	5J	108	HIS	N-CA-CB	8.88	125.50	110.49
2	5N	108	HIS	N-CA-CB	8.88	125.50	110.49
2	63	108	HIS	N-CA-CB	8.88	125.50	110.49
2	67	108	HIS	N-CA-CB	8.88	125.50	110.49
2	7B	108	HIS	N-CA-CB	8.88	125.50	110.49
1	1Q	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	1U	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	1Y	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	2Q	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	2U	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	2Y	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	42	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	46	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	5A	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	52	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	6A	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	1E	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	1M	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	2I	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	2M	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	22	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	3A	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	3I	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	3M	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	32	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	36	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	4E	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	4I	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	4Q	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	4Y	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	5U	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	5Y	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	6E	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	6M	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	6U	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	6Y	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	7E	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	7I	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	7Q	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	7U	21	ASN	CB-CA-C	-8.88	93.23	110.10
1	1M	50	ARG	CA-C-N	8.88	135.87	120.87
1	1M	50	ARG	C-N-CA	8.88	135.87	120.87
1	1M	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
2	1R	108	HIS	N-CA-CB	8.88	125.49	110.49
2	1V	108	HIS	N-CA-CB	8.88	125.49	110.49
2	1Z	108	HIS	N-CA-CB	8.88	125.49	110.49
1	2I	50	ARG	CA-C-N	8.88	135.87	120.87
1	2I	50	ARG	C-N-CA	8.88	135.87	120.87
1	2I	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
2	2R	108	HIS	N-CA-CB	8.88	125.49	110.49
2	2V	108	HIS	N-CA-CB	8.88	125.49	110.49
2	2Z	108	HIS	N-CA-CB	8.88	125.49	110.49
1	3A	50	ARG	CA-C-N	8.88	135.87	120.87
1	3A	50	ARG	C-N-CA	8.88	135.87	120.87
1	3A	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	3I	50	ARG	CA-C-N	8.88	135.87	120.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3I	50	ARG	C-N-CA	8.88	135.87	120.87
1	3I	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	32	50	ARG	CA-C-N	8.88	135.87	120.87
1	32	50	ARG	C-N-CA	8.88	135.87	120.87
1	32	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	4E	50	ARG	CA-C-N	8.88	135.87	120.87
1	4E	50	ARG	C-N-CA	8.88	135.87	120.87
1	4E	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	4Y	50	ARG	CA-C-N	8.88	135.87	120.87
1	4Y	50	ARG	C-N-CA	8.88	135.87	120.87
1	4Y	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
2	43	108	HIS	N-CA-CB	8.88	125.49	110.49
2	47	108	HIS	N-CA-CB	8.88	125.49	110.49
2	5B	108	HIS	N-CA-CB	8.88	125.49	110.49
1	5U	50	ARG	CA-C-N	8.88	135.87	120.87
1	5U	50	ARG	C-N-CA	8.88	135.87	120.87
1	5U	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
2	53	108	HIS	N-CA-CB	8.88	125.49	110.49
2	57	108	HIS	N-CA-CB	8.88	125.49	110.49
2	6B	108	HIS	N-CA-CB	8.88	125.49	110.49
1	6M	50	ARG	CA-C-N	8.88	135.87	120.87
1	6M	50	ARG	C-N-CA	8.88	135.87	120.87
1	6M	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	6U	50	ARG	CA-C-N	8.88	135.87	120.87
1	6U	50	ARG	C-N-CA	8.88	135.87	120.87
1	6U	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	7E	50	ARG	CA-C-N	8.88	135.87	120.87
1	7E	50	ARG	C-N-CA	8.88	135.87	120.87
1	7E	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
1	7Q	50	ARG	CA-C-N	8.88	135.87	120.87
1	7Q	50	ARG	C-N-CA	8.88	135.87	120.87
1	7Q	171	ARG	NH1-CZ-NH2	8.88	130.84	119.30
2	1N	108	HIS	O-C-N	8.87	134.39	122.59
2	1R	108	HIS	O-C-N	8.87	134.39	122.59
2	1V	108	HIS	O-C-N	8.87	134.39	122.59
2	1Z	108	HIS	O-C-N	8.87	134.39	122.59
2	2J	108	HIS	O-C-N	8.87	134.39	122.59
2	2R	108	HIS	O-C-N	8.87	134.39	122.59
2	2V	108	HIS	O-C-N	8.87	134.39	122.59
2	2Z	108	HIS	O-C-N	8.87	134.39	122.59
2	3B	108	HIS	O-C-N	8.87	134.39	122.59
2	3J	108	HIS	O-C-N	8.87	134.39	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	108	HIS	O-C-N	8.87	134.39	122.59
2	4F	108	HIS	O-C-N	8.87	134.39	122.59
2	4Z	108	HIS	O-C-N	8.87	134.39	122.59
2	43	108	HIS	O-C-N	8.87	134.39	122.59
2	47	108	HIS	O-C-N	8.87	134.39	122.59
2	5B	108	HIS	O-C-N	8.87	134.39	122.59
2	5V	108	HIS	O-C-N	8.87	134.39	122.59
2	53	108	HIS	O-C-N	8.87	134.39	122.59
2	57	108	HIS	O-C-N	8.87	134.39	122.59
2	6B	108	HIS	O-C-N	8.87	134.39	122.59
2	6N	108	HIS	O-C-N	8.87	134.39	122.59
2	6V	108	HIS	O-C-N	8.87	134.39	122.59
2	7F	108	HIS	O-C-N	8.87	134.39	122.59
2	7R	108	HIS	O-C-N	8.87	134.39	122.59
1	12	171	ARG	NH1-CZ-NH2	8.87	130.83	119.30
1	16	171	ARG	NH1-CZ-NH2	8.87	130.83	119.30
1	2A	171	ARG	NH1-CZ-NH2	8.87	130.83	119.30
1	3Q	171	ARG	NH1-CZ-NH2	8.87	130.83	119.30
1	3U	171	ARG	NH1-CZ-NH2	8.87	130.83	119.30
1	3Y	171	ARG	NH1-CZ-NH2	8.87	130.83	119.30
1	5E	171	ARG	NH1-CZ-NH2	8.87	130.83	119.30
1	5I	171	ARG	NH1-CZ-NH2	8.87	130.83	119.30
1	5M	171	ARG	NH1-CZ-NH2	8.87	130.83	119.30
1	62	171	ARG	NH1-CZ-NH2	8.87	130.83	119.30
1	66	171	ARG	NH1-CZ-NH2	8.87	130.83	119.30
1	7A	171	ARG	NH1-CZ-NH2	8.87	130.83	119.30
1	1A	21	ASN	CB-CA-C	-8.87	93.26	110.10
1	1I	21	ASN	CB-CA-C	-8.87	93.26	110.10
1	2E	21	ASN	CB-CA-C	-8.87	93.26	110.10
1	26	21	ASN	CB-CA-C	-8.87	93.26	110.10
1	3E	21	ASN	CB-CA-C	-8.87	93.26	110.10
1	4A	21	ASN	CB-CA-C	-8.87	93.26	110.10
1	4M	21	ASN	CB-CA-C	-8.87	93.26	110.10
1	4U	21	ASN	CB-CA-C	-8.87	93.26	110.10
1	5Q	21	ASN	CB-CA-C	-8.87	93.26	110.10
1	6I	21	ASN	CB-CA-C	-8.87	93.26	110.10
1	6Q	21	ASN	CB-CA-C	-8.87	93.26	110.10
1	7M	21	ASN	CB-CA-C	-8.87	93.26	110.10
1	1Q	17	THR	CA-CB-CG2	-8.86	95.44	110.50
1	1U	17	THR	CA-CB-CG2	-8.86	95.44	110.50
1	1Y	17	THR	CA-CB-CG2	-8.86	95.44	110.50
1	2Q	17	THR	CA-CB-CG2	-8.86	95.44	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	17	THR	CA-CB-CG2	-8.86	95.44	110.50
1	2Y	17	THR	CA-CB-CG2	-8.86	95.44	110.50
1	42	17	THR	CA-CB-CG2	-8.86	95.44	110.50
1	46	17	THR	CA-CB-CG2	-8.86	95.44	110.50
1	5A	17	THR	CA-CB-CG2	-8.86	95.44	110.50
1	52	17	THR	CA-CB-CG2	-8.86	95.44	110.50
1	56	17	THR	CA-CB-CG2	-8.86	95.44	110.50
1	6A	17	THR	CA-CB-CG2	-8.86	95.44	110.50
2	1B	108	HIS	O-C-N	8.86	134.37	122.59
2	1J	108	HIS	O-C-N	8.86	134.37	122.59
2	2F	108	HIS	O-C-N	8.86	134.37	122.59
2	27	108	HIS	O-C-N	8.86	134.37	122.59
2	3F	108	HIS	O-C-N	8.86	134.37	122.59
2	4B	108	HIS	O-C-N	8.86	134.37	122.59
2	4N	108	HIS	O-C-N	8.86	134.37	122.59
2	4V	108	HIS	O-C-N	8.86	134.37	122.59
2	5R	108	HIS	O-C-N	8.86	134.37	122.59
2	6J	108	HIS	O-C-N	8.86	134.37	122.59
2	6R	108	HIS	O-C-N	8.86	134.37	122.59
2	7N	108	HIS	O-C-N	8.86	134.37	122.59
1	1E	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	12	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	16	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	2A	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	2M	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	22	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	3M	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	3Q	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	3U	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	3Y	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	36	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	4I	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	4Q	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	5E	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	5I	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	5M	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	5Y	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	6E	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	6Y	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	62	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	66	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	7A	17	THR	CA-CB-CG2	-8.85	95.46	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	7U	17	THR	CA-CB-CG2	-8.85	95.46	110.50
1	1A	171	ARG	NH1-CZ-NH2	8.84	130.80	119.30
1	1I	171	ARG	NH1-CZ-NH2	8.84	130.80	119.30
1	1M	145	LEU	CA-C-O	8.84	133.16	120.51
1	2E	171	ARG	NH1-CZ-NH2	8.84	130.80	119.30
1	2I	145	LEU	CA-C-O	8.84	133.16	120.51
1	26	171	ARG	NH1-CZ-NH2	8.84	130.80	119.30
1	3A	145	LEU	CA-C-O	8.84	133.16	120.51
1	3E	171	ARG	NH1-CZ-NH2	8.84	130.80	119.30
1	3I	145	LEU	CA-C-O	8.84	133.16	120.51
1	32	145	LEU	CA-C-O	8.84	133.16	120.51
1	4A	171	ARG	NH1-CZ-NH2	8.84	130.80	119.30
1	4E	145	LEU	CA-C-O	8.84	133.16	120.51
1	4M	171	ARG	NH1-CZ-NH2	8.84	130.80	119.30
1	4U	171	ARG	NH1-CZ-NH2	8.84	130.80	119.30
1	4Y	145	LEU	CA-C-O	8.84	133.16	120.51
1	5Q	171	ARG	NH1-CZ-NH2	8.84	130.80	119.30
1	5U	145	LEU	CA-C-O	8.84	133.16	120.51
1	6I	171	ARG	NH1-CZ-NH2	8.84	130.80	119.30
1	6M	145	LEU	CA-C-O	8.84	133.16	120.51
1	6Q	171	ARG	NH1-CZ-NH2	8.84	130.80	119.30
1	6U	145	LEU	CA-C-O	8.84	133.16	120.51
1	7E	145	LEU	CA-C-O	8.84	133.16	120.51
1	7M	171	ARG	NH1-CZ-NH2	8.84	130.80	119.30
1	7Q	145	LEU	CA-C-O	8.84	133.16	120.51
2	13	108	HIS	O-C-N	8.84	134.34	122.59
2	17	108	HIS	O-C-N	8.84	134.34	122.59
2	2B	108	HIS	O-C-N	8.84	134.34	122.59
2	3R	108	HIS	O-C-N	8.84	134.34	122.59
2	3V	108	HIS	O-C-N	8.84	134.34	122.59
2	3Z	108	HIS	O-C-N	8.84	134.34	122.59
2	5F	108	HIS	O-C-N	8.84	134.34	122.59
2	5J	108	HIS	O-C-N	8.84	134.34	122.59
2	5N	108	HIS	O-C-N	8.84	134.34	122.59
2	63	108	HIS	O-C-N	8.84	134.34	122.59
2	67	108	HIS	O-C-N	8.84	134.34	122.59
2	7B	108	HIS	O-C-N	8.84	134.34	122.59
1	1Q	145	LEU	CA-C-O	8.84	133.14	120.51
1	1U	145	LEU	CA-C-O	8.84	133.14	120.51
1	1Y	145	LEU	CA-C-O	8.84	133.14	120.51
1	2Q	145	LEU	CA-C-O	8.84	133.14	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	145	LEU	CA-C-O	8.84	133.14	120.51
1	2Y	145	LEU	CA-C-O	8.84	133.14	120.51
1	42	145	LEU	CA-C-O	8.84	133.14	120.51
1	46	145	LEU	CA-C-O	8.84	133.14	120.51
1	5A	145	LEU	CA-C-O	8.84	133.14	120.51
1	52	145	LEU	CA-C-O	8.84	133.14	120.51
1	56	145	LEU	CA-C-O	8.84	133.14	120.51
1	6A	145	LEU	CA-C-O	8.84	133.14	120.51
1	1E	171	ARG	NH1-CZ-NH2	8.83	130.78	119.30
1	2M	171	ARG	NH1-CZ-NH2	8.83	130.78	119.30
1	22	171	ARG	NH1-CZ-NH2	8.83	130.78	119.30
1	3M	171	ARG	NH1-CZ-NH2	8.83	130.78	119.30
1	36	171	ARG	NH1-CZ-NH2	8.83	130.78	119.30
1	4I	171	ARG	NH1-CZ-NH2	8.83	130.78	119.30
1	4Q	171	ARG	NH1-CZ-NH2	8.83	130.78	119.30
1	5Y	171	ARG	NH1-CZ-NH2	8.83	130.78	119.30
1	6E	171	ARG	NH1-CZ-NH2	8.83	130.78	119.30
1	6Y	171	ARG	NH1-CZ-NH2	8.83	130.78	119.30
1	7I	171	ARG	NH1-CZ-NH2	8.83	130.78	119.30
1	7U	171	ARG	NH1-CZ-NH2	8.83	130.78	119.30
1	1M	169	ASP	N-CA-CB	8.83	125.01	110.17
1	2I	169	ASP	N-CA-CB	8.83	125.01	110.17
1	3A	169	ASP	N-CA-CB	8.83	125.01	110.17
1	3I	169	ASP	N-CA-CB	8.83	125.01	110.17
1	32	169	ASP	N-CA-CB	8.83	125.01	110.17
1	4E	169	ASP	N-CA-CB	8.83	125.01	110.17
1	4Y	169	ASP	N-CA-CB	8.83	125.01	110.17
1	5U	169	ASP	N-CA-CB	8.83	125.01	110.17
1	6M	169	ASP	N-CA-CB	8.83	125.01	110.17
1	6U	169	ASP	N-CA-CB	8.83	125.01	110.17
1	7E	169	ASP	N-CA-CB	8.83	125.01	110.17
1	7Q	169	ASP	N-CA-CB	8.83	125.01	110.17
1	1A	17	THR	CA-CB-CG2	-8.83	95.49	110.50
1	1A	90	PHE	CB-CG-CD2	-8.83	105.69	120.70
1	1I	17	THR	CA-CB-CG2	-8.83	95.49	110.50
1	1I	90	PHE	CB-CG-CD2	-8.83	105.69	120.70
1	1M	182	PHE	CA-C-O	8.83	131.73	121.49
1	1Q	169	ASP	N-CA-CB	8.83	125.00	110.17
1	1U	169	ASP	N-CA-CB	8.83	125.00	110.17
1	1Y	169	ASP	N-CA-CB	8.83	125.00	110.17
1	2E	17	THR	CA-CB-CG2	-8.83	95.49	110.50
1	2E	90	PHE	CB-CG-CD2	-8.83	105.69	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	182	PHE	CA-C-O	8.83	131.73	121.49
1	2Q	169	ASP	N-CA-CB	8.83	125.00	110.17
1	2U	169	ASP	N-CA-CB	8.83	125.00	110.17
1	2Y	169	ASP	N-CA-CB	8.83	125.00	110.17
1	26	17	THR	CA-CB-CG2	-8.83	95.49	110.50
1	26	90	PHE	CB-CG-CD2	-8.83	105.69	120.70
1	3A	182	PHE	CA-C-O	8.83	131.73	121.49
1	3E	17	THR	CA-CB-CG2	-8.83	95.49	110.50
1	3E	90	PHE	CB-CG-CD2	-8.83	105.69	120.70
1	3I	182	PHE	CA-C-O	8.83	131.73	121.49
1	32	182	PHE	CA-C-O	8.83	131.73	121.49
1	4A	17	THR	CA-CB-CG2	-8.83	95.49	110.50
1	4A	90	PHE	CB-CG-CD2	-8.83	105.69	120.70
1	4E	182	PHE	CA-C-O	8.83	131.73	121.49
1	4M	17	THR	CA-CB-CG2	-8.83	95.49	110.50
1	4M	90	PHE	CB-CG-CD2	-8.83	105.69	120.70
1	4U	17	THR	CA-CB-CG2	-8.83	95.49	110.50
1	4U	90	PHE	CB-CG-CD2	-8.83	105.69	120.70
1	4Y	182	PHE	CA-C-O	8.83	131.73	121.49
1	42	169	ASP	N-CA-CB	8.83	125.00	110.17
1	46	169	ASP	N-CA-CB	8.83	125.00	110.17
1	5A	169	ASP	N-CA-CB	8.83	125.00	110.17
1	5Q	17	THR	CA-CB-CG2	-8.83	95.49	110.50
1	5Q	90	PHE	CB-CG-CD2	-8.83	105.69	120.70
1	5U	182	PHE	CA-C-O	8.83	131.73	121.49
1	52	169	ASP	N-CA-CB	8.83	125.00	110.17
1	56	169	ASP	N-CA-CB	8.83	125.00	110.17
1	6A	169	ASP	N-CA-CB	8.83	125.00	110.17
1	6I	17	THR	CA-CB-CG2	-8.83	95.49	110.50
1	6I	90	PHE	CB-CG-CD2	-8.83	105.69	120.70
1	6M	182	PHE	CA-C-O	8.83	131.73	121.49
1	6Q	17	THR	CA-CB-CG2	-8.83	95.49	110.50
1	6Q	90	PHE	CB-CG-CD2	-8.83	105.69	120.70
1	6U	182	PHE	CA-C-O	8.83	131.73	121.49
1	7E	182	PHE	CA-C-O	8.83	131.73	121.49
1	7M	17	THR	CA-CB-CG2	-8.83	95.49	110.50
1	7M	90	PHE	CB-CG-CD2	-8.83	105.69	120.70
1	7Q	182	PHE	CA-C-O	8.83	131.73	121.49
1	1A	169	ASP	N-CA-CB	8.82	124.99	110.17
1	1E	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	1I	169	ASP	N-CA-CB	8.82	124.99	110.17
2	1N	29	MET	N-CA-C	-8.82	90.31	109.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	12	169	ASP	N-CA-CB	8.82	124.99	110.17
1	16	169	ASP	N-CA-CB	8.82	124.99	110.17
1	2A	169	ASP	N-CA-CB	8.82	124.99	110.17
1	2E	169	ASP	N-CA-CB	8.82	124.99	110.17
2	2J	29	MET	N-CA-C	-8.82	90.31	109.81
1	2M	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	22	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	26	169	ASP	N-CA-CB	8.82	124.99	110.17
2	3B	29	MET	N-CA-C	-8.82	90.31	109.81
1	3E	169	ASP	N-CA-CB	8.82	124.99	110.17
2	3J	29	MET	N-CA-C	-8.82	90.31	109.81
1	3M	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	3Q	169	ASP	N-CA-CB	8.82	124.99	110.17
1	3U	169	ASP	N-CA-CB	8.82	124.99	110.17
1	3Y	169	ASP	N-CA-CB	8.82	124.99	110.17
2	33	29	MET	N-CA-C	-8.82	90.31	109.81
1	36	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	4A	169	ASP	N-CA-CB	8.82	124.99	110.17
2	4F	29	MET	N-CA-C	-8.82	90.31	109.81
1	4I	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	4M	169	ASP	N-CA-CB	8.82	124.99	110.17
1	4Q	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	4U	169	ASP	N-CA-CB	8.82	124.99	110.17
2	4Z	29	MET	N-CA-C	-8.82	90.31	109.81
1	5E	169	ASP	N-CA-CB	8.82	124.99	110.17
1	5I	169	ASP	N-CA-CB	8.82	124.99	110.17
1	5M	169	ASP	N-CA-CB	8.82	124.99	110.17
1	5Q	169	ASP	N-CA-CB	8.82	124.99	110.17
2	5V	29	MET	N-CA-C	-8.82	90.31	109.81
1	5Y	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	6E	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	6I	169	ASP	N-CA-CB	8.82	124.99	110.17
2	6N	29	MET	N-CA-C	-8.82	90.31	109.81
1	6Q	169	ASP	N-CA-CB	8.82	124.99	110.17
2	6V	29	MET	N-CA-C	-8.82	90.31	109.81
1	6Y	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	62	169	ASP	N-CA-CB	8.82	124.99	110.17
1	66	169	ASP	N-CA-CB	8.82	124.99	110.17
1	7A	169	ASP	N-CA-CB	8.82	124.99	110.17
2	7F	29	MET	N-CA-C	-8.82	90.31	109.81
1	7I	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	7M	169	ASP	N-CA-CB	8.82	124.99	110.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	29	MET	N-CA-C	-8.82	90.31	109.81
1	7U	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	1A	145	LEU	CA-C-O	8.82	133.12	120.51
1	1E	169	ASP	N-CA-CB	8.82	124.99	110.17
1	1I	145	LEU	CA-C-O	8.82	133.12	120.51
1	1Q	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	1U	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	1Y	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	12	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	16	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	2A	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	2U	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	2Y	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	5M	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	1M	90	PHE	CB-CG-CD2	-8.82	105.71	120.70
1	2E	145	LEU	CA-C-O	8.82	133.12	120.51
1	2M	169	ASP	N-CA-CB	8.82	124.99	110.17
1	2Q	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	22	169	ASP	N-CA-CB	8.82	124.99	110.17
1	3M	169	ASP	N-CA-CB	8.82	124.99	110.17
1	3Q	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	3U	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	3Y	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	36	169	ASP	N-CA-CB	8.82	124.99	110.17
1	4I	169	ASP	N-CA-CB	8.82	124.99	110.17
1	4Q	169	ASP	N-CA-CB	8.82	124.99	110.17
1	5E	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	5I	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	66	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	7U	169	ASP	N-CA-CB	8.82	124.99	110.17
1	2I	90	PHE	CB-CG-CD2	-8.82	105.71	120.70
1	26	145	LEU	CA-C-O	8.82	133.12	120.51
1	6A	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	6E	169	ASP	N-CA-CB	8.82	124.99	110.17
1	62	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	7A	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	3A	90	PHE	CB-CG-CD2	-8.82	105.71	120.70
1	3E	145	LEU	CA-C-O	8.82	133.12	120.51
1	3I	90	PHE	CB-CG-CD2	-8.82	105.71	120.70
1	32	90	PHE	CB-CG-CD2	-8.82	105.71	120.70
1	4A	145	LEU	CA-C-O	8.82	133.12	120.51
1	4E	90	PHE	CB-CG-CD2	-8.82	105.71	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4M	145	LEU	CA-C-O	8.82	133.12	120.51
1	4U	145	LEU	CA-C-O	8.82	133.12	120.51
1	42	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	46	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	5A	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	5Y	169	ASP	N-CA-CB	8.82	124.99	110.17
1	52	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	4Y	90	PHE	CB-CG-CD2	-8.82	105.71	120.70
1	5Q	145	LEU	CA-C-O	8.82	133.12	120.51
1	56	90	PHE	CB-CG-CD2	-8.82	105.70	120.70
1	6Y	169	ASP	N-CA-CB	8.82	124.99	110.17
1	7I	169	ASP	N-CA-CB	8.82	124.99	110.17
1	5U	90	PHE	CB-CG-CD2	-8.82	105.71	120.70
1	6I	145	LEU	CA-C-O	8.82	133.12	120.51
1	6M	90	PHE	CB-CG-CD2	-8.82	105.71	120.70
1	6Q	145	LEU	CA-C-O	8.82	133.12	120.51
1	6U	90	PHE	CB-CG-CD2	-8.82	105.71	120.70
1	7E	90	PHE	CB-CG-CD2	-8.82	105.71	120.70
1	7M	145	LEU	CA-C-O	8.82	133.12	120.51
1	7Q	90	PHE	CB-CG-CD2	-8.82	105.71	120.70
1	1M	17	THR	CA-CB-CG2	-8.81	95.52	110.50
2	1N	34	ASP	N-CA-CB	8.81	123.02	110.24
1	2I	17	THR	CA-CB-CG2	-8.81	95.52	110.50
2	2J	34	ASP	N-CA-CB	8.81	123.02	110.24
1	3A	17	THR	CA-CB-CG2	-8.81	95.52	110.50
2	3B	34	ASP	N-CA-CB	8.81	123.02	110.24
1	3I	17	THR	CA-CB-CG2	-8.81	95.52	110.50
2	3J	34	ASP	N-CA-CB	8.81	123.02	110.24
1	32	17	THR	CA-CB-CG2	-8.81	95.52	110.50
2	33	34	ASP	N-CA-CB	8.81	123.02	110.24
1	4E	17	THR	CA-CB-CG2	-8.81	95.52	110.50
2	4F	34	ASP	N-CA-CB	8.81	123.02	110.24
1	4Y	17	THR	CA-CB-CG2	-8.81	95.52	110.50
2	4Z	34	ASP	N-CA-CB	8.81	123.02	110.24
1	5U	17	THR	CA-CB-CG2	-8.81	95.52	110.50
2	5V	34	ASP	N-CA-CB	8.81	123.02	110.24
1	6M	17	THR	CA-CB-CG2	-8.81	95.52	110.50
2	6N	34	ASP	N-CA-CB	8.81	123.02	110.24
1	6U	17	THR	CA-CB-CG2	-8.81	95.52	110.50
2	6V	34	ASP	N-CA-CB	8.81	123.02	110.24
1	7E	17	THR	CA-CB-CG2	-8.81	95.52	110.50
2	7F	34	ASP	N-CA-CB	8.81	123.02	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	17	THR	CA-CB-CG2	-8.81	95.52	110.50
2	7R	34	ASP	N-CA-CB	8.81	123.02	110.24
2	1B	29	MET	N-CA-C	-8.81	90.34	109.81
1	1E	145	LEU	CA-C-O	8.81	133.11	120.51
2	1J	29	MET	N-CA-C	-8.81	90.34	109.81
2	2F	29	MET	N-CA-C	-8.81	90.34	109.81
1	2M	145	LEU	CA-C-O	8.81	133.11	120.51
1	22	145	LEU	CA-C-O	8.81	133.11	120.51
2	27	29	MET	N-CA-C	-8.81	90.34	109.81
2	3F	29	MET	N-CA-C	-8.81	90.34	109.81
1	3M	145	LEU	CA-C-O	8.81	133.11	120.51
1	36	145	LEU	CA-C-O	8.81	133.11	120.51
2	4B	29	MET	N-CA-C	-8.81	90.34	109.81
1	4I	145	LEU	CA-C-O	8.81	133.11	120.51
2	4N	29	MET	N-CA-C	-8.81	90.34	109.81
1	4Q	145	LEU	CA-C-O	8.81	133.11	120.51
2	4V	29	MET	N-CA-C	-8.81	90.34	109.81
2	5R	29	MET	N-CA-C	-8.81	90.34	109.81
1	5Y	145	LEU	CA-C-O	8.81	133.11	120.51
1	6E	145	LEU	CA-C-O	8.81	133.11	120.51
2	6J	29	MET	N-CA-C	-8.81	90.34	109.81
2	6R	29	MET	N-CA-C	-8.81	90.34	109.81
1	6Y	145	LEU	CA-C-O	8.81	133.11	120.51
1	7I	145	LEU	CA-C-O	8.81	133.11	120.51
2	7N	29	MET	N-CA-C	-8.81	90.34	109.81
1	7U	145	LEU	CA-C-O	8.81	133.11	120.51
2	1F	29	MET	N-CA-C	-8.81	90.35	109.81
2	1R	29	MET	N-CA-C	-8.81	90.35	109.81
2	1V	29	MET	N-CA-C	-8.81	90.35	109.81
2	1Z	29	MET	N-CA-C	-8.81	90.35	109.81
2	2N	29	MET	N-CA-C	-8.81	90.35	109.81
2	2R	29	MET	N-CA-C	-8.81	90.35	109.81
2	2V	29	MET	N-CA-C	-8.81	90.35	109.81
2	2Z	29	MET	N-CA-C	-8.81	90.35	109.81
2	23	29	MET	N-CA-C	-8.81	90.35	109.81
2	3N	29	MET	N-CA-C	-8.81	90.35	109.81
2	37	29	MET	N-CA-C	-8.81	90.35	109.81
2	4J	29	MET	N-CA-C	-8.81	90.35	109.81
2	4R	29	MET	N-CA-C	-8.81	90.35	109.81
2	43	29	MET	N-CA-C	-8.81	90.35	109.81
2	47	29	MET	N-CA-C	-8.81	90.35	109.81
2	5B	29	MET	N-CA-C	-8.81	90.35	109.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5Z	29	MET	N-CA-C	-8.81	90.35	109.81
2	53	29	MET	N-CA-C	-8.81	90.35	109.81
2	57	29	MET	N-CA-C	-8.81	90.35	109.81
2	6B	29	MET	N-CA-C	-8.81	90.35	109.81
2	6F	29	MET	N-CA-C	-8.81	90.35	109.81
2	6Z	29	MET	N-CA-C	-8.81	90.35	109.81
2	7J	29	MET	N-CA-C	-8.81	90.35	109.81
2	7V	29	MET	N-CA-C	-8.81	90.35	109.81
2	13	107	PHE	CE1-CZ-CE2	-8.81	104.15	120.00
2	17	107	PHE	CE1-CZ-CE2	-8.81	104.15	120.00
2	2B	107	PHE	CE1-CZ-CE2	-8.81	104.15	120.00
2	3R	107	PHE	CE1-CZ-CE2	-8.81	104.15	120.00
2	3V	107	PHE	CE1-CZ-CE2	-8.81	104.15	120.00
2	3Z	107	PHE	CE1-CZ-CE2	-8.81	104.15	120.00
2	5F	107	PHE	CE1-CZ-CE2	-8.81	104.15	120.00
2	5J	107	PHE	CE1-CZ-CE2	-8.81	104.15	120.00
2	5N	107	PHE	CE1-CZ-CE2	-8.81	104.15	120.00
2	63	107	PHE	CE1-CZ-CE2	-8.81	104.15	120.00
2	67	107	PHE	CE1-CZ-CE2	-8.81	104.15	120.00
2	7B	107	PHE	CE1-CZ-CE2	-8.81	104.15	120.00
2	13	29	MET	N-CA-C	-8.80	90.35	109.81
2	13	34	ASP	N-CA-CB	8.80	123.00	110.24
2	17	29	MET	N-CA-C	-8.80	90.35	109.81
2	17	34	ASP	N-CA-CB	8.80	123.00	110.24
2	2B	29	MET	N-CA-C	-8.80	90.35	109.81
2	2B	34	ASP	N-CA-CB	8.80	123.00	110.24
2	3R	29	MET	N-CA-C	-8.80	90.35	109.81
2	3R	34	ASP	N-CA-CB	8.80	123.00	110.24
2	3V	29	MET	N-CA-C	-8.80	90.35	109.81
2	3V	34	ASP	N-CA-CB	8.80	123.00	110.24
2	3Z	29	MET	N-CA-C	-8.80	90.35	109.81
2	3Z	34	ASP	N-CA-CB	8.80	123.00	110.24
2	5F	29	MET	N-CA-C	-8.80	90.35	109.81
2	5F	34	ASP	N-CA-CB	8.80	123.00	110.24
2	5J	29	MET	N-CA-C	-8.80	90.35	109.81
2	5J	34	ASP	N-CA-CB	8.80	123.00	110.24
2	5N	29	MET	N-CA-C	-8.80	90.35	109.81
2	5N	34	ASP	N-CA-CB	8.80	123.00	110.24
2	63	29	MET	N-CA-C	-8.80	90.35	109.81
2	63	34	ASP	N-CA-CB	8.80	123.00	110.24
2	67	29	MET	N-CA-C	-8.80	90.35	109.81
2	67	34	ASP	N-CA-CB	8.80	123.00	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7B	29	MET	N-CA-C	-8.80	90.35	109.81
2	7B	34	ASP	N-CA-CB	8.80	123.00	110.24
1	1E	182	PHE	CA-C-O	8.80	131.70	121.49
1	1Q	6	ALA	O-C-N	8.80	133.09	122.27
1	1U	6	ALA	O-C-N	8.80	133.09	122.27
1	1Y	6	ALA	O-C-N	8.80	133.09	122.27
1	2M	182	PHE	CA-C-O	8.80	131.70	121.49
1	2Q	6	ALA	O-C-N	8.80	133.09	122.27
1	2U	6	ALA	O-C-N	8.80	133.09	122.27
1	2Y	6	ALA	O-C-N	8.80	133.09	122.27
1	22	182	PHE	CA-C-O	8.80	131.70	121.49
1	3M	182	PHE	CA-C-O	8.80	131.70	121.49
1	36	182	PHE	CA-C-O	8.80	131.70	121.49
1	4I	182	PHE	CA-C-O	8.80	131.70	121.49
1	4Q	182	PHE	CA-C-O	8.80	131.70	121.49
1	42	6	ALA	O-C-N	8.80	133.09	122.27
1	46	6	ALA	O-C-N	8.80	133.09	122.27
1	5A	6	ALA	O-C-N	8.80	133.09	122.27
1	5Y	182	PHE	CA-C-O	8.80	131.70	121.49
1	52	6	ALA	O-C-N	8.80	133.09	122.27
1	56	6	ALA	O-C-N	8.80	133.09	122.27
1	6A	6	ALA	O-C-N	8.80	133.09	122.27
1	6E	182	PHE	CA-C-O	8.80	131.70	121.49
1	6Y	182	PHE	CA-C-O	8.80	131.70	121.49
1	7I	182	PHE	CA-C-O	8.80	131.70	121.49
1	7U	182	PHE	CA-C-O	8.80	131.70	121.49
1	12	182	PHE	CA-C-O	8.80	131.69	121.49
1	16	182	PHE	CA-C-O	8.80	131.69	121.49
1	2A	182	PHE	CA-C-O	8.80	131.69	121.49
1	3Q	182	PHE	CA-C-O	8.80	131.69	121.49
1	3U	182	PHE	CA-C-O	8.80	131.69	121.49
1	3Y	182	PHE	CA-C-O	8.80	131.69	121.49
1	5E	182	PHE	CA-C-O	8.80	131.69	121.49
1	5I	182	PHE	CA-C-O	8.80	131.69	121.49
1	5M	182	PHE	CA-C-O	8.80	131.69	121.49
1	62	182	PHE	CA-C-O	8.80	131.69	121.49
1	66	182	PHE	CA-C-O	8.80	131.69	121.49
1	7A	182	PHE	CA-C-O	8.80	131.69	121.49
2	1B	34	ASP	N-CA-CB	8.79	122.99	110.24
2	1J	34	ASP	N-CA-CB	8.79	122.99	110.24
2	2F	34	ASP	N-CA-CB	8.79	122.99	110.24
2	27	34	ASP	N-CA-CB	8.79	122.99	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	34	ASP	N-CA-CB	8.79	122.99	110.24
2	4N	34	ASP	N-CA-CB	8.79	122.99	110.24
2	7N	34	ASP	N-CA-CB	8.79	122.99	110.24
1	1A	6	ALA	O-C-N	8.79	133.08	122.27
1	1I	6	ALA	O-C-N	8.79	133.08	122.27
1	12	145	LEU	CA-C-O	8.79	133.08	120.51
1	16	145	LEU	CA-C-O	8.79	133.08	120.51
1	2A	145	LEU	CA-C-O	8.79	133.08	120.51
2	4B	34	ASP	N-CA-CB	8.79	122.99	110.24
2	6J	34	ASP	N-CA-CB	8.79	122.99	110.24
2	6R	34	ASP	N-CA-CB	8.79	122.99	110.24
1	2E	6	ALA	O-C-N	8.79	133.08	122.27
1	26	6	ALA	O-C-N	8.79	133.08	122.27
1	3E	6	ALA	O-C-N	8.79	133.08	122.27
1	3Q	145	LEU	CA-C-O	8.79	133.08	120.51
1	3U	145	LEU	CA-C-O	8.79	133.08	120.51
1	3Y	145	LEU	CA-C-O	8.79	133.08	120.51
2	4V	34	ASP	N-CA-CB	8.79	122.99	110.24
1	4A	6	ALA	O-C-N	8.79	133.08	122.27
1	4M	6	ALA	O-C-N	8.79	133.08	122.27
1	4U	6	ALA	O-C-N	8.79	133.08	122.27
1	5E	145	LEU	CA-C-O	8.79	133.08	120.51
1	5I	145	LEU	CA-C-O	8.79	133.08	120.51
1	5M	145	LEU	CA-C-O	8.79	133.08	120.51
2	5R	34	ASP	N-CA-CB	8.79	122.99	110.24
1	5Q	6	ALA	O-C-N	8.79	133.08	122.27
1	6I	6	ALA	O-C-N	8.79	133.08	122.27
1	6Q	6	ALA	O-C-N	8.79	133.08	122.27
1	62	145	LEU	CA-C-O	8.79	133.08	120.51
1	66	145	LEU	CA-C-O	8.79	133.08	120.51
1	7A	145	LEU	CA-C-O	8.79	133.08	120.51
1	7M	6	ALA	O-C-N	8.79	133.08	122.27
1	1A	182	PHE	CA-C-O	8.79	131.69	121.49
1	1I	182	PHE	CA-C-O	8.79	131.69	121.49
1	2E	182	PHE	CA-C-O	8.79	131.69	121.49
1	26	182	PHE	CA-C-O	8.79	131.69	121.49
1	3E	182	PHE	CA-C-O	8.79	131.69	121.49
1	4A	182	PHE	CA-C-O	8.79	131.69	121.49
1	4M	182	PHE	CA-C-O	8.79	131.69	121.49
1	4U	182	PHE	CA-C-O	8.79	131.69	121.49
1	5Q	182	PHE	CA-C-O	8.79	131.69	121.49
1	6I	182	PHE	CA-C-O	8.79	131.69	121.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	182	PHE	CA-C-O	8.79	131.69	121.49
1	7M	182	PHE	CA-C-O	8.79	131.69	121.49
2	1R	34	ASP	N-CA-CB	8.79	122.98	110.24
2	1V	34	ASP	N-CA-CB	8.79	122.98	110.24
2	1Z	34	ASP	N-CA-CB	8.79	122.98	110.24
2	2R	34	ASP	N-CA-CB	8.79	122.98	110.24
2	2V	34	ASP	N-CA-CB	8.79	122.98	110.24
2	2Z	34	ASP	N-CA-CB	8.79	122.98	110.24
2	43	34	ASP	N-CA-CB	8.79	122.98	110.24
2	47	34	ASP	N-CA-CB	8.79	122.98	110.24
2	5B	34	ASP	N-CA-CB	8.79	122.98	110.24
2	53	34	ASP	N-CA-CB	8.79	122.98	110.24
2	57	34	ASP	N-CA-CB	8.79	122.98	110.24
2	6B	34	ASP	N-CA-CB	8.79	122.98	110.24
2	1B	107	PHE	CE1-CZ-CE2	-8.78	104.20	120.00
2	1J	107	PHE	CE1-CZ-CE2	-8.78	104.20	120.00
2	1R	107	PHE	CE1-CZ-CE2	-8.78	104.19	120.00
2	1V	107	PHE	CE1-CZ-CE2	-8.78	104.19	120.00
2	1Z	107	PHE	CE1-CZ-CE2	-8.78	104.19	120.00
2	2F	107	PHE	CE1-CZ-CE2	-8.78	104.20	120.00
2	2R	107	PHE	CE1-CZ-CE2	-8.78	104.19	120.00
2	2V	107	PHE	CE1-CZ-CE2	-8.78	104.19	120.00
2	2Z	107	PHE	CE1-CZ-CE2	-8.78	104.19	120.00
2	27	107	PHE	CE1-CZ-CE2	-8.78	104.20	120.00
2	3F	107	PHE	CE1-CZ-CE2	-8.78	104.20	120.00
2	4B	107	PHE	CE1-CZ-CE2	-8.78	104.20	120.00
2	4N	107	PHE	CE1-CZ-CE2	-8.78	104.20	120.00
2	4V	107	PHE	CE1-CZ-CE2	-8.78	104.20	120.00
2	43	107	PHE	CE1-CZ-CE2	-8.78	104.19	120.00
2	47	107	PHE	CE1-CZ-CE2	-8.78	104.19	120.00
2	5B	107	PHE	CE1-CZ-CE2	-8.78	104.19	120.00
2	5R	107	PHE	CE1-CZ-CE2	-8.78	104.20	120.00
2	53	107	PHE	CE1-CZ-CE2	-8.78	104.19	120.00
2	57	107	PHE	CE1-CZ-CE2	-8.78	104.19	120.00
2	6B	107	PHE	CE1-CZ-CE2	-8.78	104.19	120.00
2	6J	107	PHE	CE1-CZ-CE2	-8.78	104.20	120.00
2	6R	107	PHE	CE1-CZ-CE2	-8.78	104.20	120.00
2	7N	107	PHE	CE1-CZ-CE2	-8.78	104.20	120.00
2	1F	34	ASP	N-CA-CB	8.78	122.97	110.24
2	2N	34	ASP	N-CA-CB	8.78	122.97	110.24
2	23	34	ASP	N-CA-CB	8.78	122.97	110.24
2	3N	34	ASP	N-CA-CB	8.78	122.97	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	34	ASP	N-CA-CB	8.78	122.97	110.24
2	4J	34	ASP	N-CA-CB	8.78	122.97	110.24
2	4R	34	ASP	N-CA-CB	8.78	122.97	110.24
2	5Z	34	ASP	N-CA-CB	8.78	122.97	110.24
2	6F	34	ASP	N-CA-CB	8.78	122.97	110.24
2	6Z	34	ASP	N-CA-CB	8.78	122.97	110.24
2	7J	34	ASP	N-CA-CB	8.78	122.97	110.24
2	7V	34	ASP	N-CA-CB	8.78	122.97	110.24
1	1Q	182	PHE	CA-C-O	8.78	131.67	121.49
1	1U	182	PHE	CA-C-O	8.78	131.67	121.49
1	1Y	182	PHE	CA-C-O	8.78	131.67	121.49
1	2Q	182	PHE	CA-C-O	8.78	131.67	121.49
1	2U	182	PHE	CA-C-O	8.78	131.67	121.49
1	2Y	182	PHE	CA-C-O	8.78	131.67	121.49
1	42	182	PHE	CA-C-O	8.78	131.67	121.49
1	46	182	PHE	CA-C-O	8.78	131.67	121.49
1	5A	182	PHE	CA-C-O	8.78	131.67	121.49
1	52	182	PHE	CA-C-O	8.78	131.67	121.49
1	56	182	PHE	CA-C-O	8.78	131.67	121.49
1	6A	182	PHE	CA-C-O	8.78	131.67	121.49
2	1N	51	GLY	N-CA-C	-8.77	98.59	114.46
2	2J	51	GLY	N-CA-C	-8.77	98.59	114.46
2	3B	51	GLY	N-CA-C	-8.77	98.59	114.46
2	3J	51	GLY	N-CA-C	-8.77	98.59	114.46
2	33	51	GLY	N-CA-C	-8.77	98.59	114.46
2	4F	51	GLY	N-CA-C	-8.77	98.59	114.46
2	4Z	51	GLY	N-CA-C	-8.77	98.59	114.46
2	5V	51	GLY	N-CA-C	-8.77	98.59	114.46
2	6N	51	GLY	N-CA-C	-8.77	98.59	114.46
2	6V	51	GLY	N-CA-C	-8.77	98.59	114.46
2	7F	51	GLY	N-CA-C	-8.77	98.59	114.46
2	7R	51	GLY	N-CA-C	-8.77	98.59	114.46
1	1M	6	ALA	O-C-N	8.77	133.05	122.27
1	2I	6	ALA	O-C-N	8.77	133.05	122.27
1	3A	6	ALA	O-C-N	8.77	133.05	122.27
1	3I	6	ALA	O-C-N	8.77	133.05	122.27
1	32	6	ALA	O-C-N	8.77	133.05	122.27
1	4E	6	ALA	O-C-N	8.77	133.05	122.27
1	4Y	6	ALA	O-C-N	8.77	133.05	122.27
1	5U	6	ALA	O-C-N	8.77	133.05	122.27
1	6M	6	ALA	O-C-N	8.77	133.05	122.27
1	6U	6	ALA	O-C-N	8.77	133.05	122.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	6	ALA	O-C-N	8.77	133.05	122.27
1	7Q	6	ALA	O-C-N	8.77	133.05	122.27
2	1F	107	PHE	CE1-CZ-CE2	-8.77	104.22	120.00
2	2N	107	PHE	CE1-CZ-CE2	-8.77	104.22	120.00
2	23	107	PHE	CE1-CZ-CE2	-8.77	104.22	120.00
2	3N	107	PHE	CE1-CZ-CE2	-8.77	104.22	120.00
2	37	107	PHE	CE1-CZ-CE2	-8.77	104.22	120.00
2	4J	107	PHE	CE1-CZ-CE2	-8.77	104.22	120.00
2	4R	107	PHE	CE1-CZ-CE2	-8.77	104.22	120.00
2	5Z	107	PHE	CE1-CZ-CE2	-8.77	104.22	120.00
2	6F	107	PHE	CE1-CZ-CE2	-8.77	104.22	120.00
2	6Z	107	PHE	CE1-CZ-CE2	-8.77	104.22	120.00
2	7J	107	PHE	CE1-CZ-CE2	-8.77	104.22	120.00
2	7V	107	PHE	CE1-CZ-CE2	-8.77	104.22	120.00
2	1B	51	GLY	N-CA-C	-8.76	98.60	114.46
2	1J	51	GLY	N-CA-C	-8.76	98.60	114.46
2	2F	51	GLY	N-CA-C	-8.76	98.60	114.46
2	27	51	GLY	N-CA-C	-8.76	98.60	114.46
2	3F	51	GLY	N-CA-C	-8.76	98.60	114.46
2	4B	51	GLY	N-CA-C	-8.76	98.60	114.46
2	4N	51	GLY	N-CA-C	-8.76	98.60	114.46
2	4V	51	GLY	N-CA-C	-8.76	98.60	114.46
2	5R	51	GLY	N-CA-C	-8.76	98.60	114.46
2	6J	51	GLY	N-CA-C	-8.76	98.60	114.46
2	6R	51	GLY	N-CA-C	-8.76	98.60	114.46
2	7N	51	GLY	N-CA-C	-8.76	98.60	114.46
1	1A	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	1I	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	1M	29	TYR	CE1-CZ-CE2	8.76	137.82	120.30
1	2I	29	TYR	CE1-CZ-CE2	8.76	137.82	120.30
1	32	29	TYR	CE1-CZ-CE2	8.76	137.82	120.30
1	4Y	29	TYR	CE1-CZ-CE2	8.76	137.82	120.30
1	7E	29	TYR	CE1-CZ-CE2	8.76	137.82	120.30
1	12	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	16	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	2A	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	2E	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	26	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	3A	29	TYR	CE1-CZ-CE2	8.76	137.82	120.30
1	3E	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	3I	29	TYR	CE1-CZ-CE2	8.76	137.82	120.30
1	6M	29	TYR	CE1-CZ-CE2	8.76	137.82	120.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Q	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	3U	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	3Y	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	4A	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	4E	29	TYR	CE1-CZ-CE2	8.76	137.82	120.30
1	4M	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	4U	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	5U	29	TYR	CE1-CZ-CE2	8.76	137.82	120.30
1	5E	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	5I	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	5M	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	5Q	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	6I	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	6Q	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	6U	29	TYR	CE1-CZ-CE2	8.76	137.82	120.30
1	7Q	29	TYR	CE1-CZ-CE2	8.76	137.82	120.30
1	62	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	66	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	7A	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	7M	29	TYR	CE1-CZ-CE2	8.76	137.81	120.30
1	1E	29	TYR	CE1-CZ-CE2	8.75	137.81	120.30
1	2M	29	TYR	CE1-CZ-CE2	8.75	137.81	120.30
1	22	29	TYR	CE1-CZ-CE2	8.75	137.81	120.30
1	3M	29	TYR	CE1-CZ-CE2	8.75	137.81	120.30
1	36	29	TYR	CE1-CZ-CE2	8.75	137.81	120.30
1	4I	29	TYR	CE1-CZ-CE2	8.75	137.81	120.30
1	4Q	29	TYR	CE1-CZ-CE2	8.75	137.81	120.30
1	5Y	29	TYR	CE1-CZ-CE2	8.75	137.81	120.30
1	6E	29	TYR	CE1-CZ-CE2	8.75	137.81	120.30
1	6Y	29	TYR	CE1-CZ-CE2	8.75	137.81	120.30
1	7I	29	TYR	CE1-CZ-CE2	8.75	137.81	120.30
1	7U	29	TYR	CE1-CZ-CE2	8.75	137.81	120.30
1	12	6	ALA	O-C-N	8.75	133.03	122.27
1	16	6	ALA	O-C-N	8.75	133.03	122.27
1	2A	6	ALA	O-C-N	8.75	133.03	122.27
1	3Q	6	ALA	O-C-N	8.75	133.03	122.27
1	3U	6	ALA	O-C-N	8.75	133.03	122.27
1	3Y	6	ALA	O-C-N	8.75	133.03	122.27
1	5E	6	ALA	O-C-N	8.75	133.03	122.27
1	5I	6	ALA	O-C-N	8.75	133.03	122.27
1	5M	6	ALA	O-C-N	8.75	133.03	122.27
1	62	6	ALA	O-C-N	8.75	133.03	122.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	6	ALA	O-C-N	8.75	133.03	122.27
1	7A	6	ALA	O-C-N	8.75	133.03	122.27
2	1F	51	GLY	N-CA-C	-8.75	98.62	114.46
2	1N	107	PHE	CE1-CZ-CE2	-8.75	104.25	120.00
2	2J	107	PHE	CE1-CZ-CE2	-8.75	104.25	120.00
2	2N	51	GLY	N-CA-C	-8.75	98.62	114.46
2	23	51	GLY	N-CA-C	-8.75	98.62	114.46
2	3B	107	PHE	CE1-CZ-CE2	-8.75	104.25	120.00
2	3J	107	PHE	CE1-CZ-CE2	-8.75	104.25	120.00
2	3N	51	GLY	N-CA-C	-8.75	98.62	114.46
2	33	107	PHE	CE1-CZ-CE2	-8.75	104.25	120.00
2	37	51	GLY	N-CA-C	-8.75	98.62	114.46
2	4F	107	PHE	CE1-CZ-CE2	-8.75	104.25	120.00
2	4J	51	GLY	N-CA-C	-8.75	98.62	114.46
2	4R	51	GLY	N-CA-C	-8.75	98.62	114.46
2	4Z	107	PHE	CE1-CZ-CE2	-8.75	104.25	120.00
2	5V	107	PHE	CE1-CZ-CE2	-8.75	104.25	120.00
2	5Z	51	GLY	N-CA-C	-8.75	98.62	114.46
2	6F	51	GLY	N-CA-C	-8.75	98.62	114.46
2	6N	107	PHE	CE1-CZ-CE2	-8.75	104.25	120.00
2	6V	107	PHE	CE1-CZ-CE2	-8.75	104.25	120.00
2	6Z	51	GLY	N-CA-C	-8.75	98.62	114.46
2	7F	107	PHE	CE1-CZ-CE2	-8.75	104.25	120.00
2	7J	51	GLY	N-CA-C	-8.75	98.62	114.46
2	7R	107	PHE	CE1-CZ-CE2	-8.75	104.25	120.00
2	7V	51	GLY	N-CA-C	-8.75	98.62	114.46
2	1R	51	GLY	N-CA-C	-8.75	98.63	114.46
2	1V	51	GLY	N-CA-C	-8.75	98.63	114.46
2	1Z	51	GLY	N-CA-C	-8.75	98.63	114.46
2	2R	51	GLY	N-CA-C	-8.75	98.63	114.46
2	2V	51	GLY	N-CA-C	-8.75	98.63	114.46
2	2Z	51	GLY	N-CA-C	-8.75	98.63	114.46
2	43	51	GLY	N-CA-C	-8.75	98.63	114.46
2	47	51	GLY	N-CA-C	-8.75	98.63	114.46
2	5B	51	GLY	N-CA-C	-8.75	98.63	114.46
2	53	51	GLY	N-CA-C	-8.75	98.63	114.46
2	57	51	GLY	N-CA-C	-8.75	98.63	114.46
2	6B	51	GLY	N-CA-C	-8.75	98.63	114.46
1	1Q	29	TYR	CE1-CZ-CE2	8.74	137.79	120.30
1	1U	29	TYR	CE1-CZ-CE2	8.74	137.79	120.30
1	1Y	29	TYR	CE1-CZ-CE2	8.74	137.79	120.30
1	2Q	29	TYR	CE1-CZ-CE2	8.74	137.79	120.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	29	TYR	CE1-CZ-CE2	8.74	137.79	120.30
1	2Y	29	TYR	CE1-CZ-CE2	8.74	137.79	120.30
1	42	29	TYR	CE1-CZ-CE2	8.74	137.79	120.30
1	46	29	TYR	CE1-CZ-CE2	8.74	137.79	120.30
1	5A	29	TYR	CE1-CZ-CE2	8.74	137.79	120.30
1	52	29	TYR	CE1-CZ-CE2	8.74	137.79	120.30
1	56	29	TYR	CE1-CZ-CE2	8.74	137.79	120.30
1	6A	29	TYR	CE1-CZ-CE2	8.74	137.79	120.30
1	1E	169	ASP	O-C-N	8.74	133.18	123.13
2	1R	44	MET	CA-C-N	8.74	138.24	121.54
2	1R	44	MET	C-N-CA	8.74	138.24	121.54
2	1V	44	MET	CA-C-N	8.74	138.24	121.54
2	1V	44	MET	C-N-CA	8.74	138.24	121.54
2	1Z	44	MET	CA-C-N	8.74	138.24	121.54
2	1Z	44	MET	C-N-CA	8.74	138.24	121.54
1	2M	169	ASP	O-C-N	8.74	133.18	123.13
2	2R	44	MET	CA-C-N	8.74	138.24	121.54
2	2R	44	MET	C-N-CA	8.74	138.24	121.54
2	2V	44	MET	CA-C-N	8.74	138.24	121.54
2	2V	44	MET	C-N-CA	8.74	138.24	121.54
2	2Z	44	MET	CA-C-N	8.74	138.24	121.54
2	2Z	44	MET	C-N-CA	8.74	138.24	121.54
1	22	169	ASP	O-C-N	8.74	133.18	123.13
1	3M	169	ASP	O-C-N	8.74	133.18	123.13
1	36	169	ASP	O-C-N	8.74	133.18	123.13
1	4I	169	ASP	O-C-N	8.74	133.18	123.13
1	4Q	169	ASP	O-C-N	8.74	133.18	123.13
2	43	44	MET	CA-C-N	8.74	138.24	121.54
2	43	44	MET	C-N-CA	8.74	138.24	121.54
2	47	44	MET	CA-C-N	8.74	138.24	121.54
2	47	44	MET	C-N-CA	8.74	138.24	121.54
2	5B	44	MET	CA-C-N	8.74	138.24	121.54
2	5B	44	MET	C-N-CA	8.74	138.24	121.54
1	5Y	169	ASP	O-C-N	8.74	133.18	123.13
2	53	44	MET	CA-C-N	8.74	138.24	121.54
2	53	44	MET	C-N-CA	8.74	138.24	121.54
2	57	44	MET	CA-C-N	8.74	138.24	121.54
2	57	44	MET	C-N-CA	8.74	138.24	121.54
2	6B	44	MET	CA-C-N	8.74	138.24	121.54
2	6B	44	MET	C-N-CA	8.74	138.24	121.54
1	6E	169	ASP	O-C-N	8.74	133.18	123.13
1	6Y	169	ASP	O-C-N	8.74	133.18	123.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	169	ASP	O-C-N	8.74	133.18	123.13
1	7U	169	ASP	O-C-N	8.74	133.18	123.13
2	1N	44	MET	CA-C-N	8.74	138.23	121.54
2	1N	44	MET	C-N-CA	8.74	138.23	121.54
2	2J	44	MET	CA-C-N	8.74	138.23	121.54
2	2J	44	MET	C-N-CA	8.74	138.23	121.54
2	3B	44	MET	CA-C-N	8.74	138.23	121.54
2	3B	44	MET	C-N-CA	8.74	138.23	121.54
2	3J	44	MET	CA-C-N	8.74	138.23	121.54
2	3J	44	MET	C-N-CA	8.74	138.23	121.54
2	33	44	MET	CA-C-N	8.74	138.23	121.54
2	33	44	MET	C-N-CA	8.74	138.23	121.54
2	4F	44	MET	CA-C-N	8.74	138.23	121.54
2	4F	44	MET	C-N-CA	8.74	138.23	121.54
2	4Z	44	MET	CA-C-N	8.74	138.23	121.54
2	4Z	44	MET	C-N-CA	8.74	138.23	121.54
2	5V	44	MET	CA-C-N	8.74	138.23	121.54
2	5V	44	MET	C-N-CA	8.74	138.23	121.54
2	6N	44	MET	CA-C-N	8.74	138.23	121.54
2	6N	44	MET	C-N-CA	8.74	138.23	121.54
2	6V	44	MET	CA-C-N	8.74	138.23	121.54
2	6V	44	MET	C-N-CA	8.74	138.23	121.54
2	7F	44	MET	CA-C-N	8.74	138.23	121.54
2	7F	44	MET	C-N-CA	8.74	138.23	121.54
2	7R	44	MET	CA-C-N	8.74	138.23	121.54
2	7R	44	MET	C-N-CA	8.74	138.23	121.54
2	1B	44	MET	CA-C-N	8.73	138.22	121.54
2	1B	44	MET	C-N-CA	8.73	138.22	121.54
2	1J	44	MET	CA-C-N	8.73	138.22	121.54
2	1J	44	MET	C-N-CA	8.73	138.22	121.54
2	2F	44	MET	CA-C-N	8.73	138.22	121.54
2	2F	44	MET	C-N-CA	8.73	138.22	121.54
2	27	44	MET	CA-C-N	8.73	138.22	121.54
2	27	44	MET	C-N-CA	8.73	138.22	121.54
2	3F	44	MET	CA-C-N	8.73	138.22	121.54
2	3F	44	MET	C-N-CA	8.73	138.22	121.54
2	4B	44	MET	CA-C-N	8.73	138.22	121.54
2	4B	44	MET	C-N-CA	8.73	138.22	121.54
2	4N	44	MET	CA-C-N	8.73	138.22	121.54
2	4N	44	MET	C-N-CA	8.73	138.22	121.54
2	4V	44	MET	CA-C-N	8.73	138.22	121.54
2	4V	44	MET	C-N-CA	8.73	138.22	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5R	44	MET	CA-C-N	8.73	138.22	121.54
2	5R	44	MET	C-N-CA	8.73	138.22	121.54
2	6J	44	MET	CA-C-N	8.73	138.22	121.54
2	6J	44	MET	C-N-CA	8.73	138.22	121.54
2	6R	44	MET	CA-C-N	8.73	138.22	121.54
2	6R	44	MET	C-N-CA	8.73	138.22	121.54
2	7N	44	MET	CA-C-N	8.73	138.22	121.54
2	7N	44	MET	C-N-CA	8.73	138.22	121.54
2	1N	58	LEU	CA-C-O	-8.73	108.03	120.51
2	13	51	GLY	N-CA-C	-8.73	98.67	114.46
2	17	51	GLY	N-CA-C	-8.73	98.67	114.46
2	2B	51	GLY	N-CA-C	-8.73	98.67	114.46
2	2J	58	LEU	CA-C-O	-8.73	108.03	120.51
2	3B	58	LEU	CA-C-O	-8.73	108.03	120.51
2	3J	58	LEU	CA-C-O	-8.73	108.03	120.51
2	3R	51	GLY	N-CA-C	-8.73	98.67	114.46
2	3V	51	GLY	N-CA-C	-8.73	98.67	114.46
2	3Z	51	GLY	N-CA-C	-8.73	98.67	114.46
2	33	58	LEU	CA-C-O	-8.73	108.03	120.51
2	4F	58	LEU	CA-C-O	-8.73	108.03	120.51
2	4Z	58	LEU	CA-C-O	-8.73	108.03	120.51
2	5F	51	GLY	N-CA-C	-8.73	98.67	114.46
2	5J	51	GLY	N-CA-C	-8.73	98.67	114.46
2	5N	51	GLY	N-CA-C	-8.73	98.67	114.46
2	5V	58	LEU	CA-C-O	-8.73	108.03	120.51
2	6N	58	LEU	CA-C-O	-8.73	108.03	120.51
2	6V	58	LEU	CA-C-O	-8.73	108.03	120.51
2	63	51	GLY	N-CA-C	-8.73	98.67	114.46
2	67	51	GLY	N-CA-C	-8.73	98.67	114.46
2	7B	51	GLY	N-CA-C	-8.73	98.67	114.46
2	7F	58	LEU	CA-C-O	-8.73	108.03	120.51
2	7R	58	LEU	CA-C-O	-8.73	108.03	120.51
1	1E	6	ALA	O-C-N	8.72	133.00	122.27
2	1F	44	MET	CA-C-N	8.72	138.20	121.54
2	1F	44	MET	C-N-CA	8.72	138.20	121.54
1	2M	6	ALA	O-C-N	8.72	133.00	122.27
2	2N	44	MET	CA-C-N	8.72	138.20	121.54
2	2N	44	MET	C-N-CA	8.72	138.20	121.54
1	22	6	ALA	O-C-N	8.72	133.00	122.27
2	23	44	MET	CA-C-N	8.72	138.20	121.54
2	23	44	MET	C-N-CA	8.72	138.20	121.54
1	3M	6	ALA	O-C-N	8.72	133.00	122.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3N	44	MET	CA-C-N	8.72	138.20	121.54
2	3N	44	MET	C-N-CA	8.72	138.20	121.54
1	36	6	ALA	O-C-N	8.72	133.00	122.27
2	37	44	MET	CA-C-N	8.72	138.20	121.54
2	37	44	MET	C-N-CA	8.72	138.20	121.54
1	4I	6	ALA	O-C-N	8.72	133.00	122.27
2	4J	44	MET	CA-C-N	8.72	138.20	121.54
2	4J	44	MET	C-N-CA	8.72	138.20	121.54
1	4Q	6	ALA	O-C-N	8.72	133.00	122.27
2	4R	44	MET	CA-C-N	8.72	138.20	121.54
2	4R	44	MET	C-N-CA	8.72	138.20	121.54
1	5Y	6	ALA	O-C-N	8.72	133.00	122.27
2	5Z	44	MET	CA-C-N	8.72	138.20	121.54
2	5Z	44	MET	C-N-CA	8.72	138.20	121.54
1	6E	6	ALA	O-C-N	8.72	133.00	122.27
2	6F	44	MET	CA-C-N	8.72	138.20	121.54
2	6F	44	MET	C-N-CA	8.72	138.20	121.54
1	6Y	6	ALA	O-C-N	8.72	133.00	122.27
2	6Z	44	MET	CA-C-N	8.72	138.20	121.54
2	6Z	44	MET	C-N-CA	8.72	138.20	121.54
1	7I	6	ALA	O-C-N	8.72	133.00	122.27
2	7J	44	MET	CA-C-N	8.72	138.20	121.54
2	7J	44	MET	C-N-CA	8.72	138.20	121.54
1	7U	6	ALA	O-C-N	8.72	133.00	122.27
2	7V	44	MET	CA-C-N	8.72	138.20	121.54
2	7V	44	MET	C-N-CA	8.72	138.20	121.54
2	13	44	MET	CA-C-N	8.72	138.20	121.54
2	13	44	MET	C-N-CA	8.72	138.20	121.54
2	17	44	MET	CA-C-N	8.72	138.20	121.54
2	17	44	MET	C-N-CA	8.72	138.20	121.54
2	2B	44	MET	CA-C-N	8.72	138.20	121.54
2	2B	44	MET	C-N-CA	8.72	138.20	121.54
2	3R	44	MET	CA-C-N	8.72	138.20	121.54
2	3R	44	MET	C-N-CA	8.72	138.20	121.54
2	3V	44	MET	CA-C-N	8.72	138.20	121.54
2	3V	44	MET	C-N-CA	8.72	138.20	121.54
2	3Z	44	MET	CA-C-N	8.72	138.20	121.54
2	3Z	44	MET	C-N-CA	8.72	138.20	121.54
2	5F	44	MET	CA-C-N	8.72	138.20	121.54
2	5F	44	MET	C-N-CA	8.72	138.20	121.54
2	5J	44	MET	CA-C-N	8.72	138.20	121.54
2	5J	44	MET	C-N-CA	8.72	138.20	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5N	44	MET	CA-C-N	8.72	138.20	121.54
2	5N	44	MET	C-N-CA	8.72	138.20	121.54
2	63	44	MET	CA-C-N	8.72	138.20	121.54
2	63	44	MET	C-N-CA	8.72	138.20	121.54
2	67	44	MET	CA-C-N	8.72	138.20	121.54
2	67	44	MET	C-N-CA	8.72	138.20	121.54
2	7B	44	MET	CA-C-N	8.72	138.20	121.54
2	7B	44	MET	C-N-CA	8.72	138.20	121.54
2	1F	58	LEU	CA-C-O	-8.72	108.05	120.51
2	2N	58	LEU	CA-C-O	-8.72	108.05	120.51
2	23	58	LEU	CA-C-O	-8.72	108.05	120.51
2	3N	58	LEU	CA-C-O	-8.72	108.05	120.51
2	37	58	LEU	CA-C-O	-8.72	108.05	120.51
2	4J	58	LEU	CA-C-O	-8.72	108.05	120.51
2	4R	58	LEU	CA-C-O	-8.72	108.05	120.51
2	5Z	58	LEU	CA-C-O	-8.72	108.05	120.51
2	6F	58	LEU	CA-C-O	-8.72	108.05	120.51
2	6Z	58	LEU	CA-C-O	-8.72	108.05	120.51
2	7J	58	LEU	CA-C-O	-8.72	108.05	120.51
2	7V	58	LEU	CA-C-O	-8.72	108.05	120.51
1	12	147	ARG	N-CA-CB	-8.71	97.90	110.45
1	16	147	ARG	N-CA-CB	-8.71	97.90	110.45
1	2A	147	ARG	N-CA-CB	-8.71	97.90	110.45
1	3Q	147	ARG	N-CA-CB	-8.71	97.90	110.45
1	3U	147	ARG	N-CA-CB	-8.71	97.90	110.45
1	3Y	147	ARG	N-CA-CB	-8.71	97.90	110.45
1	5E	147	ARG	N-CA-CB	-8.71	97.90	110.45
1	5I	147	ARG	N-CA-CB	-8.71	97.90	110.45
1	5M	147	ARG	N-CA-CB	-8.71	97.90	110.45
1	62	147	ARG	N-CA-CB	-8.71	97.90	110.45
1	66	147	ARG	N-CA-CB	-8.71	97.90	110.45
1	7A	147	ARG	N-CA-CB	-8.71	97.90	110.45
1	1A	169	ASP	O-C-N	8.71	133.15	123.13
1	1I	169	ASP	O-C-N	8.71	133.15	123.13
1	1Q	169	ASP	O-C-N	8.71	133.14	123.13
1	1U	169	ASP	O-C-N	8.71	133.14	123.13
1	1Y	169	ASP	O-C-N	8.71	133.14	123.13
1	2E	169	ASP	O-C-N	8.71	133.15	123.13
1	2Q	169	ASP	O-C-N	8.71	133.14	123.13
1	2U	169	ASP	O-C-N	8.71	133.14	123.13
1	2Y	169	ASP	O-C-N	8.71	133.14	123.13
1	26	169	ASP	O-C-N	8.71	133.15	123.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	169	ASP	O-C-N	8.71	133.15	123.13
1	4A	169	ASP	O-C-N	8.71	133.15	123.13
1	4M	169	ASP	O-C-N	8.71	133.15	123.13
1	4U	169	ASP	O-C-N	8.71	133.15	123.13
1	42	169	ASP	O-C-N	8.71	133.14	123.13
1	46	169	ASP	O-C-N	8.71	133.14	123.13
1	5A	169	ASP	O-C-N	8.71	133.14	123.13
1	5Q	169	ASP	O-C-N	8.71	133.15	123.13
1	52	169	ASP	O-C-N	8.71	133.14	123.13
1	56	169	ASP	O-C-N	8.71	133.14	123.13
1	6A	169	ASP	O-C-N	8.71	133.14	123.13
1	6I	169	ASP	O-C-N	8.71	133.15	123.13
1	6Q	169	ASP	O-C-N	8.71	133.15	123.13
1	7M	169	ASP	O-C-N	8.71	133.15	123.13
2	1B	58	LEU	CA-C-O	-8.70	108.06	120.51
2	1J	58	LEU	CA-C-O	-8.70	108.06	120.51
2	2F	58	LEU	CA-C-O	-8.70	108.06	120.51
2	27	58	LEU	CA-C-O	-8.70	108.06	120.51
2	3F	58	LEU	CA-C-O	-8.70	108.06	120.51
2	4B	58	LEU	CA-C-O	-8.70	108.06	120.51
2	4N	58	LEU	CA-C-O	-8.70	108.06	120.51
2	4V	58	LEU	CA-C-O	-8.70	108.06	120.51
2	5R	58	LEU	CA-C-O	-8.70	108.06	120.51
2	6J	58	LEU	CA-C-O	-8.70	108.06	120.51
2	6R	58	LEU	CA-C-O	-8.70	108.06	120.51
2	7N	58	LEU	CA-C-O	-8.70	108.06	120.51
1	1Q	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	1U	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	1Y	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	2Q	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	2U	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	2Y	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	42	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	46	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	5A	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	52	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	56	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	6A	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	1A	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	1I	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	1Q	51	LEU	CB-CA-C	8.70	127.66	109.65
2	1R	58	LEU	CA-C-O	-8.70	108.07	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1U	51	LEU	CB-CA-C	8.70	127.66	109.65
2	1V	58	LEU	CA-C-O	-8.70	108.07	120.51
1	1Y	51	LEU	CB-CA-C	8.70	127.66	109.65
2	1Z	58	LEU	CA-C-O	-8.70	108.07	120.51
1	2E	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	2Q	51	LEU	CB-CA-C	8.70	127.66	109.65
2	2R	58	LEU	CA-C-O	-8.70	108.07	120.51
1	2U	51	LEU	CB-CA-C	8.70	127.66	109.65
2	2V	58	LEU	CA-C-O	-8.70	108.07	120.51
1	2Y	51	LEU	CB-CA-C	8.70	127.66	109.65
2	2Z	58	LEU	CA-C-O	-8.70	108.07	120.51
1	26	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	3E	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	4A	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	4M	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	4U	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	42	51	LEU	CB-CA-C	8.70	127.66	109.65
2	43	58	LEU	CA-C-O	-8.70	108.07	120.51
1	46	51	LEU	CB-CA-C	8.70	127.66	109.65
2	47	58	LEU	CA-C-O	-8.70	108.07	120.51
1	5A	51	LEU	CB-CA-C	8.70	127.66	109.65
2	5B	58	LEU	CA-C-O	-8.70	108.07	120.51
1	5Q	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	52	51	LEU	CB-CA-C	8.70	127.66	109.65
2	53	58	LEU	CA-C-O	-8.70	108.07	120.51
1	56	51	LEU	CB-CA-C	8.70	127.66	109.65
2	57	58	LEU	CA-C-O	-8.70	108.07	120.51
1	6A	51	LEU	CB-CA-C	8.70	127.66	109.65
2	6B	58	LEU	CA-C-O	-8.70	108.07	120.51
1	6I	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	6Q	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	7M	147	ARG	N-CA-CB	-8.70	97.92	110.45
1	1M	169	ASP	O-C-N	8.70	133.13	123.13
2	13	223	ASP	CA-C-N	-8.70	109.79	122.84
2	13	223	ASP	C-N-CA	-8.70	109.79	122.84
2	17	223	ASP	CA-C-N	-8.70	109.79	122.84
2	17	223	ASP	C-N-CA	-8.70	109.79	122.84
2	2B	223	ASP	CA-C-N	-8.70	109.79	122.84
2	2B	223	ASP	C-N-CA	-8.70	109.79	122.84
1	2I	169	ASP	O-C-N	8.70	133.13	123.13
1	3A	169	ASP	O-C-N	8.70	133.13	123.13
1	3I	169	ASP	O-C-N	8.70	133.13	123.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3R	223	ASP	CA-C-N	-8.70	109.79	122.84
2	3R	223	ASP	C-N-CA	-8.70	109.79	122.84
2	3V	223	ASP	CA-C-N	-8.70	109.79	122.84
2	3V	223	ASP	C-N-CA	-8.70	109.79	122.84
2	3Z	223	ASP	CA-C-N	-8.70	109.79	122.84
2	3Z	223	ASP	C-N-CA	-8.70	109.79	122.84
1	32	169	ASP	O-C-N	8.70	133.13	123.13
1	4E	169	ASP	O-C-N	8.70	133.13	123.13
1	4Y	169	ASP	O-C-N	8.70	133.13	123.13
2	5F	223	ASP	CA-C-N	-8.70	109.79	122.84
2	5F	223	ASP	C-N-CA	-8.70	109.79	122.84
2	5J	223	ASP	CA-C-N	-8.70	109.79	122.84
2	5J	223	ASP	C-N-CA	-8.70	109.79	122.84
2	5N	223	ASP	CA-C-N	-8.70	109.79	122.84
2	5N	223	ASP	C-N-CA	-8.70	109.79	122.84
1	5U	169	ASP	O-C-N	8.70	133.13	123.13
1	6M	169	ASP	O-C-N	8.70	133.13	123.13
1	6U	169	ASP	O-C-N	8.70	133.13	123.13
2	63	223	ASP	CA-C-N	-8.70	109.79	122.84
2	63	223	ASP	C-N-CA	-8.70	109.79	122.84
2	67	223	ASP	CA-C-N	-8.70	109.79	122.84
2	67	223	ASP	C-N-CA	-8.70	109.79	122.84
2	7B	223	ASP	CA-C-N	-8.70	109.79	122.84
2	7B	223	ASP	C-N-CA	-8.70	109.79	122.84
1	7E	169	ASP	O-C-N	8.70	133.13	123.13
1	7Q	169	ASP	O-C-N	8.70	133.13	123.13
1	1M	147	ARG	N-CA-CB	-8.70	97.93	110.45
1	2I	147	ARG	N-CA-CB	-8.70	97.93	110.45
1	3A	147	ARG	N-CA-CB	-8.70	97.93	110.45
1	3I	147	ARG	N-CA-CB	-8.70	97.93	110.45
1	32	147	ARG	N-CA-CB	-8.70	97.93	110.45
1	4E	147	ARG	N-CA-CB	-8.70	97.93	110.45
1	4Y	147	ARG	N-CA-CB	-8.70	97.93	110.45
1	5U	147	ARG	N-CA-CB	-8.70	97.93	110.45
1	6M	147	ARG	N-CA-CB	-8.70	97.93	110.45
1	6U	147	ARG	N-CA-CB	-8.70	97.93	110.45
1	7E	147	ARG	N-CA-CB	-8.70	97.93	110.45
1	7Q	147	ARG	N-CA-CB	-8.70	97.93	110.45
2	13	58	LEU	CA-C-O	-8.70	108.08	120.51
2	17	58	LEU	CA-C-O	-8.70	108.08	120.51
2	2B	58	LEU	CA-C-O	-8.70	108.08	120.51
2	3R	58	LEU	CA-C-O	-8.70	108.08	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	58	LEU	CA-C-O	-8.70	108.08	120.51
2	3Z	58	LEU	CA-C-O	-8.70	108.08	120.51
2	5F	58	LEU	CA-C-O	-8.70	108.08	120.51
2	5J	58	LEU	CA-C-O	-8.70	108.08	120.51
2	5N	58	LEU	CA-C-O	-8.70	108.08	120.51
2	63	58	LEU	CA-C-O	-8.70	108.08	120.51
2	67	58	LEU	CA-C-O	-8.70	108.08	120.51
2	7B	58	LEU	CA-C-O	-8.70	108.08	120.51
1	12	169	ASP	O-C-N	8.69	133.12	123.13
1	16	169	ASP	O-C-N	8.69	133.12	123.13
1	2A	169	ASP	O-C-N	8.69	133.12	123.13
1	3Q	169	ASP	O-C-N	8.69	133.12	123.13
1	3U	169	ASP	O-C-N	8.69	133.12	123.13
1	3Y	169	ASP	O-C-N	8.69	133.12	123.13
1	5E	169	ASP	O-C-N	8.69	133.12	123.13
1	5I	169	ASP	O-C-N	8.69	133.12	123.13
1	5M	169	ASP	O-C-N	8.69	133.12	123.13
1	62	169	ASP	O-C-N	8.69	133.12	123.13
1	66	169	ASP	O-C-N	8.69	133.12	123.13
1	7A	169	ASP	O-C-N	8.69	133.12	123.13
1	1E	147	ARG	N-CA-CB	-8.69	97.94	110.45
1	2M	147	ARG	N-CA-CB	-8.69	97.94	110.45
1	22	147	ARG	N-CA-CB	-8.69	97.94	110.45
1	3M	147	ARG	N-CA-CB	-8.69	97.94	110.45
1	36	147	ARG	N-CA-CB	-8.69	97.94	110.45
1	4I	147	ARG	N-CA-CB	-8.69	97.94	110.45
1	4Q	147	ARG	N-CA-CB	-8.69	97.94	110.45
1	5Y	147	ARG	N-CA-CB	-8.69	97.94	110.45
1	6E	147	ARG	N-CA-CB	-8.69	97.94	110.45
1	6Y	147	ARG	N-CA-CB	-8.69	97.94	110.45
1	7I	147	ARG	N-CA-CB	-8.69	97.94	110.45
1	7U	147	ARG	N-CA-CB	-8.69	97.94	110.45
2	1F	55	PRO	O-C-N	8.68	133.99	122.27
2	13	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	17	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	2B	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	2N	55	PRO	O-C-N	8.68	133.99	122.27
2	23	55	PRO	O-C-N	8.68	133.99	122.27
2	3N	55	PRO	O-C-N	8.68	133.99	122.27
2	3R	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	3V	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	3Z	52	ASP	CA-CB-CG	-8.68	103.92	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	55	PRO	O-C-N	8.68	133.99	122.27
2	4J	55	PRO	O-C-N	8.68	133.99	122.27
2	4R	55	PRO	O-C-N	8.68	133.99	122.27
2	5F	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	5J	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	5N	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	5Z	55	PRO	O-C-N	8.68	133.99	122.27
2	6F	55	PRO	O-C-N	8.68	133.99	122.27
2	6Z	55	PRO	O-C-N	8.68	133.99	122.27
2	63	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	67	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	7B	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	7J	55	PRO	O-C-N	8.68	133.99	122.27
2	7V	55	PRO	O-C-N	8.68	133.99	122.27
2	1B	52	ASP	CA-CB-CG	-8.68	103.92	112.60
1	1M	51	LEU	CB-CA-C	8.68	127.62	109.65
2	1R	55	PRO	O-C-N	8.68	133.99	122.27
2	1V	55	PRO	O-C-N	8.68	133.99	122.27
2	1Z	55	PRO	O-C-N	8.68	133.99	122.27
1	2I	51	LEU	CB-CA-C	8.68	127.62	109.65
2	2R	55	PRO	O-C-N	8.68	133.99	122.27
1	3A	51	LEU	CB-CA-C	8.68	127.62	109.65
1	3I	51	LEU	CB-CA-C	8.68	127.62	109.65
2	1F	223	ASP	CA-C-N	-8.68	109.82	122.84
2	1F	223	ASP	C-N-CA	-8.68	109.82	122.84
2	1J	52	ASP	CA-CB-CG	-8.68	103.92	112.60
1	12	51	LEU	CB-CA-C	8.68	127.62	109.65
1	16	51	LEU	CB-CA-C	8.68	127.62	109.65
1	2A	51	LEU	CB-CA-C	8.68	127.62	109.65
2	2F	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	2V	55	PRO	O-C-N	8.68	133.99	122.27
2	2Z	55	PRO	O-C-N	8.68	133.99	122.27
2	3F	52	ASP	CA-CB-CG	-8.68	103.92	112.60
1	3Q	51	LEU	CB-CA-C	8.68	127.62	109.65
1	32	51	LEU	CB-CA-C	8.68	127.62	109.65
1	4E	51	LEU	CB-CA-C	8.68	127.62	109.65
1	5E	51	LEU	CB-CA-C	8.68	127.62	109.65
1	6M	51	LEU	CB-CA-C	8.68	127.62	109.65
2	1R	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	1V	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	1Z	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	2N	223	ASP	CA-C-N	-8.68	109.82	122.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	223	ASP	C-N-CA	-8.68	109.82	122.84
2	27	52	ASP	CA-CB-CG	-8.68	103.92	112.60
1	3U	51	LEU	CB-CA-C	8.68	127.62	109.65
2	4B	52	ASP	CA-CB-CG	-8.68	103.92	112.60
1	4Y	51	LEU	CB-CA-C	8.68	127.62	109.65
2	43	55	PRO	O-C-N	8.68	133.99	122.27
2	5B	55	PRO	O-C-N	8.68	133.99	122.27
2	2R	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	2V	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	2Z	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	23	223	ASP	CA-C-N	-8.68	109.82	122.84
2	23	223	ASP	C-N-CA	-8.68	109.82	122.84
2	3N	223	ASP	CA-C-N	-8.68	109.82	122.84
2	3N	223	ASP	C-N-CA	-8.68	109.82	122.84
1	3Y	51	LEU	CB-CA-C	8.68	127.62	109.65
2	37	223	ASP	CA-C-N	-8.68	109.82	122.84
2	37	223	ASP	C-N-CA	-8.68	109.82	122.84
2	4J	223	ASP	CA-C-N	-8.68	109.82	122.84
2	4J	223	ASP	C-N-CA	-8.68	109.82	122.84
2	4N	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	47	55	PRO	O-C-N	8.68	133.99	122.27
2	4R	223	ASP	CA-C-N	-8.68	109.82	122.84
2	4R	223	ASP	C-N-CA	-8.68	109.82	122.84
2	4V	52	ASP	CA-CB-CG	-8.68	103.92	112.60
1	5I	51	LEU	CB-CA-C	8.68	127.62	109.65
1	5M	51	LEU	CB-CA-C	8.68	127.62	109.65
2	5R	52	ASP	CA-CB-CG	-8.68	103.92	112.60
1	5U	51	LEU	CB-CA-C	8.68	127.62	109.65
2	53	55	PRO	O-C-N	8.68	133.99	122.27
2	57	55	PRO	O-C-N	8.68	133.99	122.27
2	6B	55	PRO	O-C-N	8.68	133.99	122.27
1	7A	51	LEU	CB-CA-C	8.68	127.62	109.65
1	7E	51	LEU	CB-CA-C	8.68	127.62	109.65
2	7N	52	ASP	CA-CB-CG	-8.68	103.92	112.60
1	7Q	51	LEU	CB-CA-C	8.68	127.62	109.65
2	43	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	47	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	5B	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	5Z	223	ASP	CA-C-N	-8.68	109.82	122.84
2	5Z	223	ASP	C-N-CA	-8.68	109.82	122.84
2	6R	52	ASP	CA-CB-CG	-8.68	103.92	112.60
1	6U	51	LEU	CB-CA-C	8.68	127.62	109.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	53	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	57	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	6B	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	6F	223	ASP	CA-C-N	-8.68	109.82	122.84
2	6F	223	ASP	C-N-CA	-8.68	109.82	122.84
2	6J	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	6Z	223	ASP	CA-C-N	-8.68	109.82	122.84
2	6Z	223	ASP	C-N-CA	-8.68	109.82	122.84
1	62	51	LEU	CB-CA-C	8.68	127.62	109.65
1	66	51	LEU	CB-CA-C	8.68	127.62	109.65
2	7J	223	ASP	CA-C-N	-8.68	109.82	122.84
2	7J	223	ASP	C-N-CA	-8.68	109.82	122.84
2	7V	223	ASP	CA-C-N	-8.68	109.82	122.84
2	7V	223	ASP	C-N-CA	-8.68	109.82	122.84
2	1F	52	ASP	CA-CB-CG	-8.68	103.92	112.60
1	12	60	ASN	CA-CB-CG	-8.68	103.92	112.60
1	16	60	ASN	CA-CB-CG	-8.68	103.92	112.60
1	2A	60	ASN	CA-CB-CG	-8.68	103.92	112.60
2	2N	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	23	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	3N	52	ASP	CA-CB-CG	-8.68	103.92	112.60
1	3Q	60	ASN	CA-CB-CG	-8.68	103.92	112.60
1	3U	60	ASN	CA-CB-CG	-8.68	103.92	112.60
1	3Y	60	ASN	CA-CB-CG	-8.68	103.92	112.60
2	37	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	4J	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	4R	52	ASP	CA-CB-CG	-8.68	103.92	112.60
1	5E	60	ASN	CA-CB-CG	-8.68	103.92	112.60
1	5I	60	ASN	CA-CB-CG	-8.68	103.92	112.60
1	5M	60	ASN	CA-CB-CG	-8.68	103.92	112.60
2	5Z	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	6F	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	6Z	52	ASP	CA-CB-CG	-8.68	103.92	112.60
1	62	60	ASN	CA-CB-CG	-8.68	103.92	112.60
1	66	60	ASN	CA-CB-CG	-8.68	103.92	112.60
1	7A	60	ASN	CA-CB-CG	-8.68	103.92	112.60
2	7J	52	ASP	CA-CB-CG	-8.68	103.92	112.60
2	7V	52	ASP	CA-CB-CG	-8.68	103.92	112.60
1	1A	51	LEU	CB-CA-C	8.67	127.60	109.65
1	1E	51	LEU	CB-CA-C	8.67	127.60	109.65
1	1I	51	LEU	CB-CA-C	8.67	127.60	109.65
2	1N	52	ASP	CA-CB-CG	-8.67	103.93	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	12	112	GLY	N-CA-C	-8.67	99.15	111.20
1	16	112	GLY	N-CA-C	-8.67	99.15	111.20
1	2A	112	GLY	N-CA-C	-8.67	99.15	111.20
1	2E	51	LEU	CB-CA-C	8.67	127.60	109.65
2	2J	52	ASP	CA-CB-CG	-8.67	103.93	112.60
1	2M	51	LEU	CB-CA-C	8.67	127.60	109.65
1	22	51	LEU	CB-CA-C	8.67	127.60	109.65
1	26	51	LEU	CB-CA-C	8.67	127.60	109.65
2	3B	52	ASP	CA-CB-CG	-8.67	103.93	112.60
1	3E	51	LEU	CB-CA-C	8.67	127.60	109.65
2	3J	52	ASP	CA-CB-CG	-8.67	103.93	112.60
1	3M	51	LEU	CB-CA-C	8.67	127.60	109.65
1	3Q	112	GLY	N-CA-C	-8.67	99.15	111.20
1	3U	112	GLY	N-CA-C	-8.67	99.15	111.20
1	3Y	112	GLY	N-CA-C	-8.67	99.15	111.20
2	33	52	ASP	CA-CB-CG	-8.67	103.93	112.60
1	36	51	LEU	CB-CA-C	8.67	127.60	109.65
1	4A	51	LEU	CB-CA-C	8.67	127.60	109.65
2	4F	52	ASP	CA-CB-CG	-8.67	103.93	112.60
1	4I	51	LEU	CB-CA-C	8.67	127.60	109.65
1	4M	51	LEU	CB-CA-C	8.67	127.60	109.65
1	4Q	51	LEU	CB-CA-C	8.67	127.60	109.65
1	4U	51	LEU	CB-CA-C	8.67	127.60	109.65
2	4Z	52	ASP	CA-CB-CG	-8.67	103.93	112.60
1	5E	112	GLY	N-CA-C	-8.67	99.15	111.20
1	5I	112	GLY	N-CA-C	-8.67	99.15	111.20
1	5M	112	GLY	N-CA-C	-8.67	99.15	111.20
1	5Q	51	LEU	CB-CA-C	8.67	127.60	109.65
2	5V	52	ASP	CA-CB-CG	-8.67	103.93	112.60
1	5Y	51	LEU	CB-CA-C	8.67	127.60	109.65
1	6E	51	LEU	CB-CA-C	8.67	127.60	109.65
1	6I	51	LEU	CB-CA-C	8.67	127.60	109.65
2	6N	52	ASP	CA-CB-CG	-8.67	103.93	112.60
1	6Q	51	LEU	CB-CA-C	8.67	127.60	109.65
2	6V	52	ASP	CA-CB-CG	-8.67	103.93	112.60
1	6Y	51	LEU	CB-CA-C	8.67	127.60	109.65
1	62	112	GLY	N-CA-C	-8.67	99.15	111.20
1	66	112	GLY	N-CA-C	-8.67	99.15	111.20
1	7A	112	GLY	N-CA-C	-8.67	99.15	111.20
2	7F	52	ASP	CA-CB-CG	-8.67	103.93	112.60
1	7I	51	LEU	CB-CA-C	8.67	127.60	109.65
1	7M	51	LEU	CB-CA-C	8.67	127.60	109.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	52	ASP	CA-CB-CG	-8.67	103.93	112.60
1	7U	51	LEU	CB-CA-C	8.67	127.60	109.65
2	1B	223	ASP	CA-C-N	-8.67	109.84	122.84
2	1B	223	ASP	C-N-CA	-8.67	109.84	122.84
2	1J	223	ASP	CA-C-N	-8.67	109.84	122.84
2	1J	223	ASP	C-N-CA	-8.67	109.84	122.84
1	1M	60	ASN	CA-CB-CG	-8.67	103.93	112.60
1	1M	90	PHE	CE1-CZ-CE2	-8.67	104.40	120.00
2	1N	223	ASP	CA-C-N	-8.67	109.84	122.84
2	1N	223	ASP	C-N-CA	-8.67	109.84	122.84
2	2F	223	ASP	CA-C-N	-8.67	109.84	122.84
2	2F	223	ASP	C-N-CA	-8.67	109.84	122.84
1	2I	60	ASN	CA-CB-CG	-8.67	103.93	112.60
1	2I	90	PHE	CE1-CZ-CE2	-8.67	104.40	120.00
2	2J	223	ASP	CA-C-N	-8.67	109.84	122.84
2	2J	223	ASP	C-N-CA	-8.67	109.84	122.84
2	27	223	ASP	CA-C-N	-8.67	109.84	122.84
2	27	223	ASP	C-N-CA	-8.67	109.84	122.84
1	3A	60	ASN	CA-CB-CG	-8.67	103.93	112.60
1	3A	90	PHE	CE1-CZ-CE2	-8.67	104.40	120.00
2	3B	223	ASP	CA-C-N	-8.67	109.84	122.84
2	3B	223	ASP	C-N-CA	-8.67	109.84	122.84
2	3F	223	ASP	CA-C-N	-8.67	109.84	122.84
2	3F	223	ASP	C-N-CA	-8.67	109.84	122.84
1	3I	60	ASN	CA-CB-CG	-8.67	103.93	112.60
1	3I	90	PHE	CE1-CZ-CE2	-8.67	104.40	120.00
2	3J	223	ASP	CA-C-N	-8.67	109.84	122.84
2	3J	223	ASP	C-N-CA	-8.67	109.84	122.84
1	32	60	ASN	CA-CB-CG	-8.67	103.93	112.60
1	32	90	PHE	CE1-CZ-CE2	-8.67	104.40	120.00
2	33	223	ASP	CA-C-N	-8.67	109.84	122.84
2	33	223	ASP	C-N-CA	-8.67	109.84	122.84
2	4B	223	ASP	CA-C-N	-8.67	109.84	122.84
2	4B	223	ASP	C-N-CA	-8.67	109.84	122.84
1	4E	60	ASN	CA-CB-CG	-8.67	103.93	112.60
1	4E	90	PHE	CE1-CZ-CE2	-8.67	104.40	120.00
2	4F	223	ASP	CA-C-N	-8.67	109.84	122.84
2	4F	223	ASP	C-N-CA	-8.67	109.84	122.84
2	4N	223	ASP	CA-C-N	-8.67	109.84	122.84
2	4N	223	ASP	C-N-CA	-8.67	109.84	122.84
2	4V	223	ASP	CA-C-N	-8.67	109.84	122.84
2	4V	223	ASP	C-N-CA	-8.67	109.84	122.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4Y	60	ASN	CA-CB-CG	-8.67	103.93	112.60
1	4Y	90	PHE	CE1-CZ-CE2	-8.67	104.40	120.00
2	4Z	223	ASP	CA-C-N	-8.67	109.84	122.84
2	4Z	223	ASP	C-N-CA	-8.67	109.84	122.84
2	5R	223	ASP	CA-C-N	-8.67	109.84	122.84
2	5R	223	ASP	C-N-CA	-8.67	109.84	122.84
1	5U	60	ASN	CA-CB-CG	-8.67	103.93	112.60
1	5U	90	PHE	CE1-CZ-CE2	-8.67	104.40	120.00
2	5V	223	ASP	CA-C-N	-8.67	109.84	122.84
2	5V	223	ASP	C-N-CA	-8.67	109.84	122.84
2	6J	223	ASP	CA-C-N	-8.67	109.84	122.84
2	6J	223	ASP	C-N-CA	-8.67	109.84	122.84
1	6M	60	ASN	CA-CB-CG	-8.67	103.93	112.60
1	6M	90	PHE	CE1-CZ-CE2	-8.67	104.40	120.00
2	6N	223	ASP	CA-C-N	-8.67	109.84	122.84
2	6N	223	ASP	C-N-CA	-8.67	109.84	122.84
2	6R	223	ASP	CA-C-N	-8.67	109.84	122.84
2	6R	223	ASP	C-N-CA	-8.67	109.84	122.84
1	6U	60	ASN	CA-CB-CG	-8.67	103.93	112.60
1	6U	90	PHE	CE1-CZ-CE2	-8.67	104.40	120.00
2	6V	223	ASP	CA-C-N	-8.67	109.84	122.84
2	6V	223	ASP	C-N-CA	-8.67	109.84	122.84
1	7E	60	ASN	CA-CB-CG	-8.67	103.93	112.60
1	7E	90	PHE	CE1-CZ-CE2	-8.67	104.40	120.00
2	7F	223	ASP	CA-C-N	-8.67	109.84	122.84
2	7F	223	ASP	C-N-CA	-8.67	109.84	122.84
2	7N	223	ASP	CA-C-N	-8.67	109.84	122.84
2	7N	223	ASP	C-N-CA	-8.67	109.84	122.84
1	7Q	60	ASN	CA-CB-CG	-8.67	103.93	112.60
1	7Q	90	PHE	CE1-CZ-CE2	-8.67	104.40	120.00
2	7R	223	ASP	CA-C-N	-8.67	109.84	122.84
2	7R	223	ASP	C-N-CA	-8.67	109.84	122.84
1	1A	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	1I	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	2E	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	3E	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	6Q	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	1A	90	PHE	CE1-CZ-CE2	-8.66	104.41	120.00
1	1I	90	PHE	CE1-CZ-CE2	-8.66	104.41	120.00
2	1N	55	PRO	O-C-N	8.66	133.97	122.27
2	2J	55	PRO	O-C-N	8.66	133.97	122.27
1	26	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3B	55	PRO	O-C-N	8.66	133.97	122.27
2	3J	55	PRO	O-C-N	8.66	133.97	122.27
2	33	55	PRO	O-C-N	8.66	133.97	122.27
1	4A	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
2	4F	55	PRO	O-C-N	8.66	133.97	122.27
1	4M	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	4U	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	5Q	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
2	5V	55	PRO	O-C-N	8.66	133.97	122.27
1	6I	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	7M	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	1M	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	1Q	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	1U	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	1Y	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	2E	90	PHE	CE1-CZ-CE2	-8.66	104.41	120.00
2	4Z	55	PRO	O-C-N	8.66	133.97	122.27
1	2I	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	2Q	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	2U	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	2Y	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	26	90	PHE	CE1-CZ-CE2	-8.66	104.41	120.00
1	3A	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	3E	90	PHE	CE1-CZ-CE2	-8.66	104.41	120.00
1	3I	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	32	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	4A	90	PHE	CE1-CZ-CE2	-8.66	104.41	120.00
1	4E	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	4M	90	PHE	CE1-CZ-CE2	-8.66	104.41	120.00
1	4U	90	PHE	CE1-CZ-CE2	-8.66	104.41	120.00
1	4Y	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	42	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	46	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	5A	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	5Q	90	PHE	CE1-CZ-CE2	-8.66	104.41	120.00
2	7F	55	PRO	O-C-N	8.66	133.97	122.27
1	5U	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	52	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	56	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	6A	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	6I	90	PHE	CE1-CZ-CE2	-8.66	104.41	120.00
2	6N	55	PRO	O-C-N	8.66	133.97	122.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6V	55	PRO	O-C-N	8.66	133.97	122.27
1	6M	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	6Q	90	PHE	CE1-CZ-CE2	-8.66	104.41	120.00
2	7R	55	PRO	O-C-N	8.66	133.97	122.27
1	6U	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	7E	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	7M	90	PHE	CE1-CZ-CE2	-8.66	104.41	120.00
1	7Q	51	LEU	CD1-CG-CD2	-8.66	91.74	110.80
1	1E	51	LEU	CD1-CG-CD2	-8.66	91.75	110.80
1	1E	112	GLY	N-CA-C	-8.66	99.17	111.20
1	1Q	112	GLY	N-CA-C	-8.66	99.17	111.20
1	1U	112	GLY	N-CA-C	-8.66	99.17	111.20
1	1Y	112	GLY	N-CA-C	-8.66	99.17	111.20
1	2M	51	LEU	CD1-CG-CD2	-8.66	91.75	110.80
1	2M	112	GLY	N-CA-C	-8.66	99.17	111.20
1	2Q	112	GLY	N-CA-C	-8.66	99.17	111.20
1	2U	112	GLY	N-CA-C	-8.66	99.17	111.20
1	2Y	112	GLY	N-CA-C	-8.66	99.17	111.20
1	22	51	LEU	CD1-CG-CD2	-8.66	91.75	110.80
1	22	112	GLY	N-CA-C	-8.66	99.17	111.20
1	3M	51	LEU	CD1-CG-CD2	-8.66	91.75	110.80
1	3M	112	GLY	N-CA-C	-8.66	99.17	111.20
1	36	51	LEU	CD1-CG-CD2	-8.66	91.75	110.80
1	36	112	GLY	N-CA-C	-8.66	99.17	111.20
1	4I	51	LEU	CD1-CG-CD2	-8.66	91.75	110.80
1	4I	112	GLY	N-CA-C	-8.66	99.17	111.20
1	4Q	51	LEU	CD1-CG-CD2	-8.66	91.75	110.80
1	4Q	112	GLY	N-CA-C	-8.66	99.17	111.20
1	42	112	GLY	N-CA-C	-8.66	99.17	111.20
1	46	112	GLY	N-CA-C	-8.66	99.17	111.20
1	5A	112	GLY	N-CA-C	-8.66	99.17	111.20
1	5Y	51	LEU	CD1-CG-CD2	-8.66	91.75	110.80
1	5Y	112	GLY	N-CA-C	-8.66	99.17	111.20
1	52	112	GLY	N-CA-C	-8.66	99.17	111.20
1	56	112	GLY	N-CA-C	-8.66	99.17	111.20
1	6A	112	GLY	N-CA-C	-8.66	99.17	111.20
1	6E	51	LEU	CD1-CG-CD2	-8.66	91.75	110.80
1	6E	112	GLY	N-CA-C	-8.66	99.17	111.20
1	6Y	51	LEU	CD1-CG-CD2	-8.66	91.75	110.80
1	6Y	112	GLY	N-CA-C	-8.66	99.17	111.20
1	7I	51	LEU	CD1-CG-CD2	-8.66	91.75	110.80
1	7I	112	GLY	N-CA-C	-8.66	99.17	111.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	51	LEU	CD1-CG-CD2	-8.66	91.75	110.80
1	7U	112	GLY	N-CA-C	-8.66	99.17	111.20
2	1R	223	ASP	CA-C-N	-8.65	109.86	122.84
2	1R	223	ASP	C-N-CA	-8.65	109.86	122.84
2	1V	223	ASP	CA-C-N	-8.65	109.86	122.84
2	1V	223	ASP	C-N-CA	-8.65	109.86	122.84
2	1Z	223	ASP	CA-C-N	-8.65	109.86	122.84
2	1Z	223	ASP	C-N-CA	-8.65	109.86	122.84
1	12	51	LEU	CD1-CG-CD2	-8.65	91.76	110.80
1	16	51	LEU	CD1-CG-CD2	-8.65	91.76	110.80
1	2A	51	LEU	CD1-CG-CD2	-8.65	91.76	110.80
2	2R	223	ASP	CA-C-N	-8.65	109.86	122.84
2	2R	223	ASP	C-N-CA	-8.65	109.86	122.84
2	2V	223	ASP	CA-C-N	-8.65	109.86	122.84
2	2V	223	ASP	C-N-CA	-8.65	109.86	122.84
2	2Z	223	ASP	CA-C-N	-8.65	109.86	122.84
2	2Z	223	ASP	C-N-CA	-8.65	109.86	122.84
1	3Q	51	LEU	CD1-CG-CD2	-8.65	91.76	110.80
1	3U	51	LEU	CD1-CG-CD2	-8.65	91.76	110.80
1	3Y	51	LEU	CD1-CG-CD2	-8.65	91.76	110.80
2	43	223	ASP	CA-C-N	-8.65	109.86	122.84
2	43	223	ASP	C-N-CA	-8.65	109.86	122.84
2	47	223	ASP	CA-C-N	-8.65	109.86	122.84
2	47	223	ASP	C-N-CA	-8.65	109.86	122.84
2	5B	223	ASP	CA-C-N	-8.65	109.86	122.84
2	5B	223	ASP	C-N-CA	-8.65	109.86	122.84
1	5E	51	LEU	CD1-CG-CD2	-8.65	91.76	110.80
1	5I	51	LEU	CD1-CG-CD2	-8.65	91.76	110.80
1	5M	51	LEU	CD1-CG-CD2	-8.65	91.76	110.80
2	53	223	ASP	CA-C-N	-8.65	109.86	122.84
2	53	223	ASP	C-N-CA	-8.65	109.86	122.84
2	57	223	ASP	CA-C-N	-8.65	109.86	122.84
2	57	223	ASP	C-N-CA	-8.65	109.86	122.84
2	6B	223	ASP	CA-C-N	-8.65	109.86	122.84
2	6B	223	ASP	C-N-CA	-8.65	109.86	122.84
1	62	51	LEU	CD1-CG-CD2	-8.65	91.76	110.80
1	66	51	LEU	CD1-CG-CD2	-8.65	91.76	110.80
1	7A	51	LEU	CD1-CG-CD2	-8.65	91.76	110.80
1	1A	112	GLY	N-CA-C	-8.65	99.17	111.20
1	1I	112	GLY	N-CA-C	-8.65	99.17	111.20
1	2E	112	GLY	N-CA-C	-8.65	99.17	111.20
1	26	112	GLY	N-CA-C	-8.65	99.17	111.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	112	GLY	N-CA-C	-8.65	99.17	111.20
1	4A	112	GLY	N-CA-C	-8.65	99.17	111.20
1	4M	112	GLY	N-CA-C	-8.65	99.17	111.20
1	4U	112	GLY	N-CA-C	-8.65	99.17	111.20
1	5Q	112	GLY	N-CA-C	-8.65	99.17	111.20
1	6I	112	GLY	N-CA-C	-8.65	99.17	111.20
1	6Q	112	GLY	N-CA-C	-8.65	99.17	111.20
1	7M	112	GLY	N-CA-C	-8.65	99.17	111.20
1	12	90	PHE	CE1-CZ-CE2	-8.65	104.43	120.00
1	16	90	PHE	CE1-CZ-CE2	-8.65	104.43	120.00
1	2A	90	PHE	CE1-CZ-CE2	-8.65	104.43	120.00
1	3Q	90	PHE	CE1-CZ-CE2	-8.65	104.43	120.00
1	3U	90	PHE	CE1-CZ-CE2	-8.65	104.43	120.00
1	3Y	90	PHE	CE1-CZ-CE2	-8.65	104.43	120.00
1	5E	90	PHE	CE1-CZ-CE2	-8.65	104.43	120.00
1	5I	90	PHE	CE1-CZ-CE2	-8.65	104.43	120.00
1	5M	90	PHE	CE1-CZ-CE2	-8.65	104.43	120.00
1	62	90	PHE	CE1-CZ-CE2	-8.65	104.43	120.00
1	66	90	PHE	CE1-CZ-CE2	-8.65	104.43	120.00
1	7A	90	PHE	CE1-CZ-CE2	-8.65	104.43	120.00
1	1E	60	ASN	CA-CB-CG	-8.65	103.95	112.60
1	1M	112	GLY	N-CA-C	-8.65	99.18	111.20
1	2I	112	GLY	N-CA-C	-8.65	99.18	111.20
1	2M	60	ASN	CA-CB-CG	-8.65	103.95	112.60
1	22	60	ASN	CA-CB-CG	-8.65	103.95	112.60
1	3A	112	GLY	N-CA-C	-8.65	99.18	111.20
1	3I	112	GLY	N-CA-C	-8.65	99.18	111.20
1	3M	60	ASN	CA-CB-CG	-8.65	103.95	112.60
1	32	112	GLY	N-CA-C	-8.65	99.18	111.20
1	36	60	ASN	CA-CB-CG	-8.65	103.95	112.60
1	4E	112	GLY	N-CA-C	-8.65	99.18	111.20
1	4I	60	ASN	CA-CB-CG	-8.65	103.95	112.60
1	4Q	60	ASN	CA-CB-CG	-8.65	103.95	112.60
1	4Y	112	GLY	N-CA-C	-8.65	99.18	111.20
1	5U	112	GLY	N-CA-C	-8.65	99.18	111.20
1	5Y	60	ASN	CA-CB-CG	-8.65	103.95	112.60
1	6E	60	ASN	CA-CB-CG	-8.65	103.95	112.60
1	6M	112	GLY	N-CA-C	-8.65	99.18	111.20
1	6U	112	GLY	N-CA-C	-8.65	99.18	111.20
1	6Y	60	ASN	CA-CB-CG	-8.65	103.95	112.60
1	7E	112	GLY	N-CA-C	-8.65	99.18	111.20
1	7I	60	ASN	CA-CB-CG	-8.65	103.95	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	112	GLY	N-CA-C	-8.65	99.18	111.20
1	7U	60	ASN	CA-CB-CG	-8.65	103.95	112.60
1	1E	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	1Q	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	1U	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	1Y	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	2M	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	2Q	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	2U	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	2Y	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	22	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	3M	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	36	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	4I	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	4Q	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	42	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	46	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	5A	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	5Y	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	52	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	56	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	6A	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	6E	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	6Y	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	7I	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
1	7U	90	PHE	CE1-CZ-CE2	-8.64	104.44	120.00
2	1B	55	PRO	O-C-N	8.64	133.94	122.27
2	1J	55	PRO	O-C-N	8.64	133.94	122.27
2	2F	55	PRO	O-C-N	8.64	133.94	122.27
2	27	55	PRO	O-C-N	8.64	133.94	122.27
2	3F	55	PRO	O-C-N	8.64	133.94	122.27
2	4B	55	PRO	O-C-N	8.64	133.94	122.27
2	4N	55	PRO	O-C-N	8.64	133.94	122.27
2	4V	55	PRO	O-C-N	8.64	133.94	122.27
2	5R	55	PRO	O-C-N	8.64	133.94	122.27
2	6J	55	PRO	O-C-N	8.64	133.94	122.27
2	6R	55	PRO	O-C-N	8.64	133.94	122.27
2	7N	55	PRO	O-C-N	8.64	133.94	122.27
1	1A	60	ASN	CA-CB-CG	-8.64	103.96	112.60
1	1I	60	ASN	CA-CB-CG	-8.64	103.96	112.60
1	2E	60	ASN	CA-CB-CG	-8.64	103.96	112.60
1	26	60	ASN	CA-CB-CG	-8.64	103.96	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	60	ASN	CA-CB-CG	-8.64	103.96	112.60
1	4A	60	ASN	CA-CB-CG	-8.64	103.96	112.60
1	4M	60	ASN	CA-CB-CG	-8.64	103.96	112.60
1	4U	60	ASN	CA-CB-CG	-8.64	103.96	112.60
1	5Q	60	ASN	CA-CB-CG	-8.64	103.96	112.60
1	6I	60	ASN	CA-CB-CG	-8.64	103.96	112.60
1	6Q	60	ASN	CA-CB-CG	-8.64	103.96	112.60
1	7M	60	ASN	CA-CB-CG	-8.64	103.96	112.60
2	1N	76	ILE	O-C-N	8.63	132.72	122.36
2	2J	76	ILE	O-C-N	8.63	132.72	122.36
2	3B	76	ILE	O-C-N	8.63	132.72	122.36
2	3J	76	ILE	O-C-N	8.63	132.72	122.36
2	33	76	ILE	O-C-N	8.63	132.72	122.36
2	4F	76	ILE	O-C-N	8.63	132.72	122.36
2	4Z	76	ILE	O-C-N	8.63	132.72	122.36
2	5V	76	ILE	O-C-N	8.63	132.72	122.36
2	6N	76	ILE	O-C-N	8.63	132.72	122.36
2	6V	76	ILE	O-C-N	8.63	132.72	122.36
2	7F	76	ILE	O-C-N	8.63	132.72	122.36
2	7R	76	ILE	O-C-N	8.63	132.72	122.36
2	1B	222	GLN	CG-CD-OE1	8.63	138.07	120.80
2	1J	222	GLN	CG-CD-OE1	8.63	138.07	120.80
2	2F	222	GLN	CG-CD-OE1	8.63	138.07	120.80
2	27	222	GLN	CG-CD-OE1	8.63	138.07	120.80
2	3F	222	GLN	CG-CD-OE1	8.63	138.07	120.80
2	4B	222	GLN	CG-CD-OE1	8.63	138.07	120.80
2	4N	222	GLN	CG-CD-OE1	8.63	138.07	120.80
2	4V	222	GLN	CG-CD-OE1	8.63	138.07	120.80
2	5R	222	GLN	CG-CD-OE1	8.63	138.07	120.80
2	6J	222	GLN	CG-CD-OE1	8.63	138.07	120.80
2	6R	222	GLN	CG-CD-OE1	8.63	138.07	120.80
2	7N	222	GLN	CG-CD-OE1	8.63	138.07	120.80
2	1F	76	ILE	O-C-N	8.63	132.71	122.36
2	13	222	GLN	CG-CD-OE1	8.63	138.06	120.80
2	17	222	GLN	CG-CD-OE1	8.63	138.06	120.80
2	2B	222	GLN	CG-CD-OE1	8.63	138.06	120.80
2	2N	76	ILE	O-C-N	8.63	132.71	122.36
2	23	76	ILE	O-C-N	8.63	132.71	122.36
2	3N	76	ILE	O-C-N	8.63	132.71	122.36
2	3R	222	GLN	CG-CD-OE1	8.63	138.06	120.80
2	3V	222	GLN	CG-CD-OE1	8.63	138.06	120.80
2	3Z	222	GLN	CG-CD-OE1	8.63	138.06	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	76	ILE	O-C-N	8.63	132.71	122.36
2	4J	76	ILE	O-C-N	8.63	132.71	122.36
2	4R	76	ILE	O-C-N	8.63	132.71	122.36
2	5F	222	GLN	CG-CD-OE1	8.63	138.06	120.80
2	5J	222	GLN	CG-CD-OE1	8.63	138.06	120.80
2	5N	222	GLN	CG-CD-OE1	8.63	138.06	120.80
2	5Z	76	ILE	O-C-N	8.63	132.71	122.36
2	6F	76	ILE	O-C-N	8.63	132.71	122.36
2	6Z	76	ILE	O-C-N	8.63	132.71	122.36
2	63	222	GLN	CG-CD-OE1	8.63	138.06	120.80
2	67	222	GLN	CG-CD-OE1	8.63	138.06	120.80
2	7B	222	GLN	CG-CD-OE1	8.63	138.06	120.80
2	7J	76	ILE	O-C-N	8.63	132.71	122.36
2	7V	76	ILE	O-C-N	8.63	132.71	122.36
2	1N	222	GLN	CG-CD-OE1	8.63	138.05	120.80
2	2J	222	GLN	CG-CD-OE1	8.63	138.05	120.80
2	3B	222	GLN	CG-CD-OE1	8.63	138.05	120.80
2	3J	222	GLN	CG-CD-OE1	8.63	138.05	120.80
2	33	222	GLN	CG-CD-OE1	8.63	138.05	120.80
2	4F	222	GLN	CG-CD-OE1	8.63	138.05	120.80
2	4Z	222	GLN	CG-CD-OE1	8.63	138.05	120.80
2	5V	222	GLN	CG-CD-OE1	8.63	138.05	120.80
2	6N	222	GLN	CG-CD-OE1	8.63	138.05	120.80
2	6V	222	GLN	CG-CD-OE1	8.63	138.05	120.80
2	7F	222	GLN	CG-CD-OE1	8.63	138.05	120.80
2	7R	222	GLN	CG-CD-OE1	8.63	138.05	120.80
2	1R	76	ILE	O-C-N	8.62	132.71	122.36
2	1V	76	ILE	O-C-N	8.62	132.71	122.36
2	1Z	76	ILE	O-C-N	8.62	132.71	122.36
2	2R	76	ILE	O-C-N	8.62	132.71	122.36
2	2V	76	ILE	O-C-N	8.62	132.71	122.36
2	2Z	76	ILE	O-C-N	8.62	132.71	122.36
2	43	76	ILE	O-C-N	8.62	132.71	122.36
2	47	76	ILE	O-C-N	8.62	132.71	122.36
2	5B	76	ILE	O-C-N	8.62	132.71	122.36
2	53	76	ILE	O-C-N	8.62	132.71	122.36
2	57	76	ILE	O-C-N	8.62	132.71	122.36
2	6B	76	ILE	O-C-N	8.62	132.71	122.36
2	13	76	ILE	O-C-N	8.62	132.71	122.36
2	17	76	ILE	O-C-N	8.62	132.71	122.36
2	2B	76	ILE	O-C-N	8.62	132.71	122.36
2	3R	76	ILE	O-C-N	8.62	132.71	122.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	76	ILE	O-C-N	8.62	132.71	122.36
2	3Z	76	ILE	O-C-N	8.62	132.71	122.36
2	5F	76	ILE	O-C-N	8.62	132.71	122.36
2	5J	76	ILE	O-C-N	8.62	132.71	122.36
2	5N	76	ILE	O-C-N	8.62	132.71	122.36
2	63	76	ILE	O-C-N	8.62	132.71	122.36
2	67	76	ILE	O-C-N	8.62	132.71	122.36
2	7B	76	ILE	O-C-N	8.62	132.71	122.36
2	1F	222	GLN	CG-CD-OE1	8.62	138.04	120.80
2	2N	222	GLN	CG-CD-OE1	8.62	138.04	120.80
2	23	222	GLN	CG-CD-OE1	8.62	138.04	120.80
2	3N	222	GLN	CG-CD-OE1	8.62	138.04	120.80
2	37	222	GLN	CG-CD-OE1	8.62	138.04	120.80
2	4J	222	GLN	CG-CD-OE1	8.62	138.04	120.80
2	4R	222	GLN	CG-CD-OE1	8.62	138.04	120.80
2	5Z	222	GLN	CG-CD-OE1	8.62	138.04	120.80
2	6F	222	GLN	CG-CD-OE1	8.62	138.04	120.80
2	6Z	222	GLN	CG-CD-OE1	8.62	138.04	120.80
2	7J	222	GLN	CG-CD-OE1	8.62	138.04	120.80
2	7V	222	GLN	CG-CD-OE1	8.62	138.04	120.80
2	1R	222	GLN	CG-CD-OE1	8.62	138.03	120.80
2	1V	222	GLN	CG-CD-OE1	8.62	138.03	120.80
2	1Z	222	GLN	CG-CD-OE1	8.62	138.03	120.80
2	13	55	PRO	O-C-N	8.62	133.90	122.27
2	17	55	PRO	O-C-N	8.62	133.90	122.27
2	2B	55	PRO	O-C-N	8.62	133.90	122.27
2	2R	222	GLN	CG-CD-OE1	8.62	138.03	120.80
2	2V	222	GLN	CG-CD-OE1	8.62	138.03	120.80
2	2Z	222	GLN	CG-CD-OE1	8.62	138.03	120.80
2	3R	55	PRO	O-C-N	8.62	133.90	122.27
2	3V	55	PRO	O-C-N	8.62	133.90	122.27
2	3Z	55	PRO	O-C-N	8.62	133.90	122.27
2	43	222	GLN	CG-CD-OE1	8.62	138.03	120.80
2	47	222	GLN	CG-CD-OE1	8.62	138.03	120.80
2	5B	222	GLN	CG-CD-OE1	8.62	138.03	120.80
2	5F	55	PRO	O-C-N	8.62	133.90	122.27
2	5J	55	PRO	O-C-N	8.62	133.90	122.27
2	5N	55	PRO	O-C-N	8.62	133.90	122.27
2	53	222	GLN	CG-CD-OE1	8.62	138.03	120.80
2	57	222	GLN	CG-CD-OE1	8.62	138.03	120.80
2	6B	222	GLN	CG-CD-OE1	8.62	138.03	120.80
2	63	55	PRO	O-C-N	8.62	133.90	122.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	55	PRO	O-C-N	8.62	133.90	122.27
2	7B	55	PRO	O-C-N	8.62	133.90	122.27
2	1B	76	ILE	O-C-N	8.61	132.69	122.36
2	1J	76	ILE	O-C-N	8.61	132.69	122.36
1	1Q	60	ASN	CA-CB-CG	-8.61	103.99	112.60
1	1U	60	ASN	CA-CB-CG	-8.61	103.99	112.60
1	1Y	60	ASN	CA-CB-CG	-8.61	103.99	112.60
2	2F	76	ILE	O-C-N	8.61	132.69	122.36
1	2Q	60	ASN	CA-CB-CG	-8.61	103.99	112.60
1	2U	60	ASN	CA-CB-CG	-8.61	103.99	112.60
1	2Y	60	ASN	CA-CB-CG	-8.61	103.99	112.60
2	27	76	ILE	O-C-N	8.61	132.69	122.36
2	3F	76	ILE	O-C-N	8.61	132.69	122.36
2	4B	76	ILE	O-C-N	8.61	132.69	122.36
2	4N	76	ILE	O-C-N	8.61	132.69	122.36
2	4V	76	ILE	O-C-N	8.61	132.69	122.36
1	42	60	ASN	CA-CB-CG	-8.61	103.99	112.60
1	46	60	ASN	CA-CB-CG	-8.61	103.99	112.60
1	5A	60	ASN	CA-CB-CG	-8.61	103.99	112.60
2	5R	76	ILE	O-C-N	8.61	132.69	122.36
1	52	60	ASN	CA-CB-CG	-8.61	103.99	112.60
1	56	60	ASN	CA-CB-CG	-8.61	103.99	112.60
1	6A	60	ASN	CA-CB-CG	-8.61	103.99	112.60
2	6J	76	ILE	O-C-N	8.61	132.69	122.36
2	6R	76	ILE	O-C-N	8.61	132.69	122.36
2	7N	76	ILE	O-C-N	8.61	132.69	122.36
2	1N	15	VAL	CA-C-O	-8.60	110.10	121.02
2	1N	41	PHE	CA-C-N	8.60	133.78	120.89
2	1N	41	PHE	C-N-CA	8.60	133.78	120.89
2	13	41	PHE	CA-C-N	8.60	133.78	120.89
2	13	41	PHE	C-N-CA	8.60	133.78	120.89
2	17	41	PHE	CA-C-N	8.60	133.78	120.89
2	17	41	PHE	C-N-CA	8.60	133.78	120.89
2	2B	41	PHE	CA-C-N	8.60	133.78	120.89
2	2B	41	PHE	C-N-CA	8.60	133.78	120.89
2	2J	15	VAL	CA-C-O	-8.60	110.10	121.02
2	2J	41	PHE	CA-C-N	8.60	133.78	120.89
2	2J	41	PHE	C-N-CA	8.60	133.78	120.89
2	3B	15	VAL	CA-C-O	-8.60	110.10	121.02
2	3B	41	PHE	CA-C-N	8.60	133.78	120.89
2	3B	41	PHE	C-N-CA	8.60	133.78	120.89
2	3J	15	VAL	CA-C-O	-8.60	110.10	121.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3J	41	PHE	CA-C-N	8.60	133.78	120.89
2	3J	41	PHE	C-N-CA	8.60	133.78	120.89
2	3R	41	PHE	CA-C-N	8.60	133.78	120.89
2	3R	41	PHE	C-N-CA	8.60	133.78	120.89
2	3V	41	PHE	CA-C-N	8.60	133.78	120.89
2	3V	41	PHE	C-N-CA	8.60	133.78	120.89
2	3Z	41	PHE	CA-C-N	8.60	133.78	120.89
2	3Z	41	PHE	C-N-CA	8.60	133.78	120.89
2	33	15	VAL	CA-C-O	-8.60	110.10	121.02
2	33	41	PHE	CA-C-N	8.60	133.78	120.89
2	33	41	PHE	C-N-CA	8.60	133.78	120.89
2	4F	15	VAL	CA-C-O	-8.60	110.10	121.02
2	4F	41	PHE	CA-C-N	8.60	133.78	120.89
2	4F	41	PHE	C-N-CA	8.60	133.78	120.89
2	4Z	15	VAL	CA-C-O	-8.60	110.10	121.02
2	4Z	41	PHE	CA-C-N	8.60	133.78	120.89
2	4Z	41	PHE	C-N-CA	8.60	133.78	120.89
2	5F	41	PHE	CA-C-N	8.60	133.78	120.89
2	5F	41	PHE	C-N-CA	8.60	133.78	120.89
2	5J	41	PHE	CA-C-N	8.60	133.78	120.89
2	5J	41	PHE	C-N-CA	8.60	133.78	120.89
2	5N	41	PHE	CA-C-N	8.60	133.78	120.89
2	5N	41	PHE	C-N-CA	8.60	133.78	120.89
2	5V	15	VAL	CA-C-O	-8.60	110.10	121.02
2	5V	41	PHE	CA-C-N	8.60	133.78	120.89
2	5V	41	PHE	C-N-CA	8.60	133.78	120.89
2	6N	15	VAL	CA-C-O	-8.60	110.10	121.02
2	6N	41	PHE	CA-C-N	8.60	133.78	120.89
2	6N	41	PHE	C-N-CA	8.60	133.78	120.89
2	6V	15	VAL	CA-C-O	-8.60	110.10	121.02
2	6V	41	PHE	CA-C-N	8.60	133.78	120.89
2	6V	41	PHE	C-N-CA	8.60	133.78	120.89
2	63	41	PHE	CA-C-N	8.60	133.78	120.89
2	63	41	PHE	C-N-CA	8.60	133.78	120.89
2	67	41	PHE	CA-C-N	8.60	133.78	120.89
2	67	41	PHE	C-N-CA	8.60	133.78	120.89
2	7B	41	PHE	CA-C-N	8.60	133.78	120.89
2	7B	41	PHE	C-N-CA	8.60	133.78	120.89
2	7F	15	VAL	CA-C-O	-8.60	110.10	121.02
2	7F	41	PHE	CA-C-N	8.60	133.78	120.89
2	7F	41	PHE	C-N-CA	8.60	133.78	120.89
2	7R	15	VAL	CA-C-O	-8.60	110.10	121.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	41	PHE	CA-C-N	8.60	133.78	120.89
2	7R	41	PHE	C-N-CA	8.60	133.78	120.89
2	1N	41	PHE	CG-CD2-CE2	-8.59	106.10	120.70
2	2J	41	PHE	CG-CD2-CE2	-8.59	106.10	120.70
2	3B	41	PHE	CG-CD2-CE2	-8.59	106.10	120.70
2	3J	41	PHE	CG-CD2-CE2	-8.59	106.10	120.70
2	33	41	PHE	CG-CD2-CE2	-8.59	106.10	120.70
2	4F	41	PHE	CG-CD2-CE2	-8.59	106.10	120.70
2	4Z	41	PHE	CG-CD2-CE2	-8.59	106.10	120.70
2	5V	41	PHE	CG-CD2-CE2	-8.59	106.10	120.70
2	6N	41	PHE	CG-CD2-CE2	-8.59	106.10	120.70
2	6V	41	PHE	CG-CD2-CE2	-8.59	106.10	120.70
2	7F	41	PHE	CG-CD2-CE2	-8.59	106.10	120.70
2	7R	41	PHE	CG-CD2-CE2	-8.59	106.10	120.70
2	13	41	PHE	CG-CD2-CE2	-8.58	106.11	120.70
2	17	41	PHE	CG-CD2-CE2	-8.58	106.11	120.70
2	2B	41	PHE	CG-CD2-CE2	-8.58	106.11	120.70
2	3R	41	PHE	CG-CD2-CE2	-8.58	106.11	120.70
2	3V	41	PHE	CG-CD2-CE2	-8.58	106.11	120.70
2	3Z	41	PHE	CG-CD2-CE2	-8.58	106.11	120.70
2	5F	41	PHE	CG-CD2-CE2	-8.58	106.11	120.70
2	5J	41	PHE	CG-CD2-CE2	-8.58	106.11	120.70
2	5N	41	PHE	CG-CD2-CE2	-8.58	106.11	120.70
2	63	41	PHE	CG-CD2-CE2	-8.58	106.11	120.70
2	67	41	PHE	CG-CD2-CE2	-8.58	106.11	120.70
2	7B	41	PHE	CG-CD2-CE2	-8.58	106.11	120.70
2	1B	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	1F	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	1J	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	3N	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	1R	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	1V	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	1Z	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	2F	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	2N	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	23	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	37	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	2R	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	2V	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	2Z	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	27	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	3F	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	4J	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	4N	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	4R	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	4V	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	5Z	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	6Z	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	43	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	47	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	5B	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	5R	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	6F	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	53	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	57	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	6B	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	6J	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	6R	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	7J	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	7N	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	7V	41	PHE	CG-CD2-CE2	-8.58	106.12	120.70
2	1N	68	PRO	CB-CG-CD	-8.57	78.67	106.10
2	2J	68	PRO	CB-CG-CD	-8.57	78.67	106.10
2	3B	68	PRO	CB-CG-CD	-8.57	78.67	106.10
2	3J	68	PRO	CB-CG-CD	-8.57	78.67	106.10
2	33	68	PRO	CB-CG-CD	-8.57	78.67	106.10
2	4F	68	PRO	CB-CG-CD	-8.57	78.67	106.10
2	4Z	68	PRO	CB-CG-CD	-8.57	78.67	106.10
2	5V	68	PRO	CB-CG-CD	-8.57	78.67	106.10
2	6N	68	PRO	CB-CG-CD	-8.57	78.67	106.10
2	6V	68	PRO	CB-CG-CD	-8.57	78.67	106.10
2	7F	68	PRO	CB-CG-CD	-8.57	78.67	106.10
2	7R	68	PRO	CB-CG-CD	-8.57	78.67	106.10
2	1F	68	PRO	CB-CG-CD	-8.57	78.68	106.10
2	2N	68	PRO	CB-CG-CD	-8.57	78.68	106.10
2	23	68	PRO	CB-CG-CD	-8.57	78.68	106.10
2	3N	68	PRO	CB-CG-CD	-8.57	78.68	106.10
2	37	68	PRO	CB-CG-CD	-8.57	78.68	106.10
2	4J	68	PRO	CB-CG-CD	-8.57	78.68	106.10
2	4R	68	PRO	CB-CG-CD	-8.57	78.68	106.10
2	5Z	68	PRO	CB-CG-CD	-8.57	78.68	106.10
2	6F	68	PRO	CB-CG-CD	-8.57	78.68	106.10
2	6Z	68	PRO	CB-CG-CD	-8.57	78.68	106.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	68	PRO	CB-CG-CD	-8.57	78.68	106.10
2	7V	68	PRO	CB-CG-CD	-8.57	78.68	106.10
2	1B	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	1F	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	1J	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	1R	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	1V	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	1Z	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	2F	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	2N	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	2R	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	2V	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	2Z	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	23	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	27	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	3F	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	3N	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	37	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	4B	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	4J	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	4N	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	4R	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	4V	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	43	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	47	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	5B	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	5R	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	5Z	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	53	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	57	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	6B	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	6F	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	6J	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	6R	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	6Z	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	7J	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	7N	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	7V	3	PRO	CB-CA-C	-8.56	96.63	110.25
2	1B	15	VAL	CA-C-O	-8.56	110.15	121.02
2	1B	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	1J	15	VAL	CA-C-O	-8.56	110.15	121.02
2	1J	68	PRO	CB-CG-CD	-8.56	78.71	106.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2F	15	VAL	CA-C-O	-8.56	110.15	121.02
2	2F	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	27	15	VAL	CA-C-O	-8.56	110.15	121.02
2	27	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	3F	15	VAL	CA-C-O	-8.56	110.15	121.02
2	3F	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	4B	15	VAL	CA-C-O	-8.56	110.15	121.02
2	4B	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	4N	15	VAL	CA-C-O	-8.56	110.15	121.02
2	4N	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	4V	15	VAL	CA-C-O	-8.56	110.15	121.02
2	4V	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	5R	15	VAL	CA-C-O	-8.56	110.15	121.02
2	5R	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	6J	15	VAL	CA-C-O	-8.56	110.15	121.02
2	6J	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	6R	15	VAL	CA-C-O	-8.56	110.15	121.02
2	6R	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	7N	15	VAL	CA-C-O	-8.56	110.15	121.02
2	7N	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	1B	22	GLN	CA-C-O	8.56	128.56	119.14
2	1B	41	PHE	CA-C-N	8.56	133.73	120.89
2	1B	41	PHE	C-N-CA	8.56	133.73	120.89
2	1J	22	GLN	CA-C-O	8.56	128.56	119.14
2	1J	41	PHE	CA-C-N	8.56	133.73	120.89
2	1J	41	PHE	C-N-CA	8.56	133.73	120.89
2	1N	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	1R	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	1V	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	1Z	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	13	15	VAL	CA-C-O	-8.56	110.15	121.02
2	17	15	VAL	CA-C-O	-8.56	110.15	121.02
2	2B	15	VAL	CA-C-O	-8.56	110.15	121.02
2	2F	22	GLN	CA-C-O	8.56	128.56	119.14
2	2F	41	PHE	CA-C-N	8.56	133.73	120.89
2	2F	41	PHE	C-N-CA	8.56	133.73	120.89
2	2J	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	2R	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	2V	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	2Z	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	27	22	GLN	CA-C-O	8.56	128.56	119.14
2	27	41	PHE	CA-C-N	8.56	133.73	120.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	27	41	PHE	C-N-CA	8.56	133.73	120.89
2	3B	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	3F	22	GLN	CA-C-O	8.56	128.56	119.14
2	3F	41	PHE	CA-C-N	8.56	133.73	120.89
2	3F	41	PHE	C-N-CA	8.56	133.73	120.89
2	3J	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	3R	15	VAL	CA-C-O	-8.56	110.15	121.02
2	3V	15	VAL	CA-C-O	-8.56	110.15	121.02
2	3Z	15	VAL	CA-C-O	-8.56	110.15	121.02
2	33	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	4B	22	GLN	CA-C-O	8.56	128.56	119.14
2	4B	41	PHE	CA-C-N	8.56	133.73	120.89
2	4B	41	PHE	C-N-CA	8.56	133.73	120.89
2	4F	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	4N	22	GLN	CA-C-O	8.56	128.56	119.14
2	4N	41	PHE	CA-C-N	8.56	133.73	120.89
2	4N	41	PHE	C-N-CA	8.56	133.73	120.89
2	4V	22	GLN	CA-C-O	8.56	128.56	119.14
2	4V	41	PHE	CA-C-N	8.56	133.73	120.89
2	4V	41	PHE	C-N-CA	8.56	133.73	120.89
2	4Z	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	43	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	47	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	5B	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	5F	15	VAL	CA-C-O	-8.56	110.15	121.02
2	5J	15	VAL	CA-C-O	-8.56	110.15	121.02
2	5N	15	VAL	CA-C-O	-8.56	110.15	121.02
2	5R	22	GLN	CA-C-O	8.56	128.56	119.14
2	5R	41	PHE	CA-C-N	8.56	133.73	120.89
2	5R	41	PHE	C-N-CA	8.56	133.73	120.89
2	5V	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	53	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	57	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	6B	68	PRO	CB-CG-CD	-8.56	78.71	106.10
2	6J	22	GLN	CA-C-O	8.56	128.56	119.14
2	6J	41	PHE	CA-C-N	8.56	133.73	120.89
2	6J	41	PHE	C-N-CA	8.56	133.73	120.89
2	6N	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	6R	22	GLN	CA-C-O	8.56	128.56	119.14
2	6R	41	PHE	CA-C-N	8.56	133.73	120.89
2	6R	41	PHE	C-N-CA	8.56	133.73	120.89
2	6V	3	PRO	CB-CA-C	-8.56	96.64	110.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	63	15	VAL	CA-C-O	-8.56	110.15	121.02
2	67	15	VAL	CA-C-O	-8.56	110.15	121.02
2	7B	15	VAL	CA-C-O	-8.56	110.15	121.02
2	7F	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	7N	22	GLN	CA-C-O	8.56	128.56	119.14
2	7N	41	PHE	CA-C-N	8.56	133.73	120.89
2	7N	41	PHE	C-N-CA	8.56	133.73	120.89
2	7R	3	PRO	CB-CA-C	-8.56	96.64	110.25
2	13	68	PRO	CB-CG-CD	-8.56	78.72	106.10
2	17	68	PRO	CB-CG-CD	-8.56	78.72	106.10
2	2B	68	PRO	CB-CG-CD	-8.56	78.72	106.10
2	3R	68	PRO	CB-CG-CD	-8.56	78.72	106.10
2	3V	68	PRO	CB-CG-CD	-8.56	78.72	106.10
2	3Z	68	PRO	CB-CG-CD	-8.56	78.72	106.10
2	5F	68	PRO	CB-CG-CD	-8.56	78.72	106.10
2	5J	68	PRO	CB-CG-CD	-8.56	78.72	106.10
2	5N	68	PRO	CB-CG-CD	-8.56	78.72	106.10
2	63	68	PRO	CB-CG-CD	-8.56	78.72	106.10
2	67	68	PRO	CB-CG-CD	-8.56	78.72	106.10
2	7B	68	PRO	CB-CG-CD	-8.56	78.72	106.10
2	1F	22	GLN	CA-C-O	8.55	128.55	119.14
2	2N	22	GLN	CA-C-O	8.55	128.55	119.14
2	23	22	GLN	CA-C-O	8.55	128.55	119.14
2	3N	22	GLN	CA-C-O	8.55	128.55	119.14
2	37	22	GLN	CA-C-O	8.55	128.55	119.14
2	4J	22	GLN	CA-C-O	8.55	128.55	119.14
2	4R	22	GLN	CA-C-O	8.55	128.55	119.14
2	5Z	22	GLN	CA-C-O	8.55	128.55	119.14
2	6F	22	GLN	CA-C-O	8.55	128.55	119.14
2	6Z	22	GLN	CA-C-O	8.55	128.55	119.14
2	7J	22	GLN	CA-C-O	8.55	128.55	119.14
2	7V	22	GLN	CA-C-O	8.55	128.55	119.14
2	1N	225	ASN	N-CA-C	-8.55	92.59	110.80
2	2J	225	ASN	N-CA-C	-8.55	92.59	110.80
2	3B	225	ASN	N-CA-C	-8.55	92.59	110.80
2	3J	225	ASN	N-CA-C	-8.55	92.59	110.80
2	33	225	ASN	N-CA-C	-8.55	92.59	110.80
2	4F	225	ASN	N-CA-C	-8.55	92.59	110.80
2	4Z	225	ASN	N-CA-C	-8.55	92.59	110.80
2	5V	225	ASN	N-CA-C	-8.55	92.59	110.80
2	6N	225	ASN	N-CA-C	-8.55	92.59	110.80
2	6V	225	ASN	N-CA-C	-8.55	92.59	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	225	ASN	N-CA-C	-8.55	92.59	110.80
2	7R	225	ASN	N-CA-C	-8.55	92.59	110.80
2	13	3	PRO	CB-CA-C	-8.55	96.66	110.25
2	17	3	PRO	CB-CA-C	-8.55	96.66	110.25
2	2B	3	PRO	CB-CA-C	-8.55	96.66	110.25
2	3R	3	PRO	CB-CA-C	-8.55	96.66	110.25
2	3V	3	PRO	CB-CA-C	-8.55	96.66	110.25
2	3Z	3	PRO	CB-CA-C	-8.55	96.66	110.25
2	5F	3	PRO	CB-CA-C	-8.55	96.66	110.25
2	5J	3	PRO	CB-CA-C	-8.55	96.66	110.25
2	5N	3	PRO	CB-CA-C	-8.55	96.66	110.25
2	63	3	PRO	CB-CA-C	-8.55	96.66	110.25
2	67	3	PRO	CB-CA-C	-8.55	96.66	110.25
2	7B	3	PRO	CB-CA-C	-8.55	96.66	110.25
2	1F	69	SER	CA-C-O	8.54	129.89	119.38
2	1F	225	ASN	N-CA-C	-8.54	92.60	110.80
2	2N	69	SER	CA-C-O	8.54	129.89	119.38
2	2N	225	ASN	N-CA-C	-8.54	92.60	110.80
2	23	69	SER	CA-C-O	8.54	129.89	119.38
2	23	225	ASN	N-CA-C	-8.54	92.60	110.80
2	3N	69	SER	CA-C-O	8.54	129.89	119.38
2	3N	225	ASN	N-CA-C	-8.54	92.60	110.80
2	37	69	SER	CA-C-O	8.54	129.89	119.38
2	37	225	ASN	N-CA-C	-8.54	92.60	110.80
2	4J	69	SER	CA-C-O	8.54	129.89	119.38
2	4J	225	ASN	N-CA-C	-8.54	92.60	110.80
2	4R	69	SER	CA-C-O	8.54	129.89	119.38
2	4R	225	ASN	N-CA-C	-8.54	92.60	110.80
2	5Z	69	SER	CA-C-O	8.54	129.89	119.38
2	5Z	225	ASN	N-CA-C	-8.54	92.60	110.80
2	6F	69	SER	CA-C-O	8.54	129.89	119.38
2	6F	225	ASN	N-CA-C	-8.54	92.60	110.80
2	6Z	69	SER	CA-C-O	8.54	129.89	119.38
2	6Z	225	ASN	N-CA-C	-8.54	92.60	110.80
2	7J	69	SER	CA-C-O	8.54	129.89	119.38
2	7J	225	ASN	N-CA-C	-8.54	92.60	110.80
2	7V	69	SER	CA-C-O	8.54	129.89	119.38
2	7V	225	ASN	N-CA-C	-8.54	92.60	110.80
2	1R	22	GLN	CA-C-O	8.54	128.54	119.14
2	1R	41	PHE	CA-C-N	8.54	133.71	120.89
2	1R	41	PHE	C-N-CA	8.54	133.71	120.89
2	1V	22	GLN	CA-C-O	8.54	128.54	119.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1V	41	PHE	CA-C-N	8.54	133.71	120.89
2	1V	41	PHE	C-N-CA	8.54	133.71	120.89
2	1Z	22	GLN	CA-C-O	8.54	128.54	119.14
2	1Z	41	PHE	CA-C-N	8.54	133.71	120.89
2	1Z	41	PHE	C-N-CA	8.54	133.71	120.89
2	2R	22	GLN	CA-C-O	8.54	128.54	119.14
2	2R	41	PHE	CA-C-N	8.54	133.71	120.89
2	2R	41	PHE	C-N-CA	8.54	133.71	120.89
2	2V	22	GLN	CA-C-O	8.54	128.54	119.14
2	2V	41	PHE	CA-C-N	8.54	133.71	120.89
2	2V	41	PHE	C-N-CA	8.54	133.71	120.89
2	2Z	22	GLN	CA-C-O	8.54	128.54	119.14
2	2Z	41	PHE	CA-C-N	8.54	133.71	120.89
2	2Z	41	PHE	C-N-CA	8.54	133.71	120.89
2	43	22	GLN	CA-C-O	8.54	128.54	119.14
2	43	41	PHE	CA-C-N	8.54	133.71	120.89
2	43	41	PHE	C-N-CA	8.54	133.71	120.89
2	47	22	GLN	CA-C-O	8.54	128.54	119.14
2	47	41	PHE	CA-C-N	8.54	133.71	120.89
2	47	41	PHE	C-N-CA	8.54	133.71	120.89
2	5B	22	GLN	CA-C-O	8.54	128.54	119.14
2	5B	41	PHE	CA-C-N	8.54	133.71	120.89
2	5B	41	PHE	C-N-CA	8.54	133.71	120.89
2	53	22	GLN	CA-C-O	8.54	128.54	119.14
2	53	41	PHE	CA-C-N	8.54	133.71	120.89
2	53	41	PHE	C-N-CA	8.54	133.71	120.89
2	57	22	GLN	CA-C-O	8.54	128.54	119.14
2	57	41	PHE	CA-C-N	8.54	133.71	120.89
2	57	41	PHE	C-N-CA	8.54	133.71	120.89
2	6B	22	GLN	CA-C-O	8.54	128.54	119.14
2	6B	41	PHE	CA-C-N	8.54	133.71	120.89
2	6B	41	PHE	C-N-CA	8.54	133.71	120.89
2	1F	41	PHE	CA-C-N	8.54	133.70	120.89
2	1F	41	PHE	C-N-CA	8.54	133.70	120.89
2	1R	225	ASN	N-CA-C	-8.54	92.61	110.80
2	1V	225	ASN	N-CA-C	-8.54	92.61	110.80
2	1Z	225	ASN	N-CA-C	-8.54	92.61	110.80
2	13	22	GLN	CA-C-O	8.54	128.53	119.14
2	17	22	GLN	CA-C-O	8.54	128.53	119.14
2	2B	22	GLN	CA-C-O	8.54	128.53	119.14
2	2N	41	PHE	CA-C-N	8.54	133.70	120.89
2	2N	41	PHE	C-N-CA	8.54	133.70	120.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2R	225	ASN	N-CA-C	-8.54	92.61	110.80
2	2V	225	ASN	N-CA-C	-8.54	92.61	110.80
2	2Z	225	ASN	N-CA-C	-8.54	92.61	110.80
2	23	41	PHE	CA-C-N	8.54	133.70	120.89
2	23	41	PHE	C-N-CA	8.54	133.70	120.89
2	3N	41	PHE	CA-C-N	8.54	133.70	120.89
2	3N	41	PHE	C-N-CA	8.54	133.70	120.89
2	3R	22	GLN	CA-C-O	8.54	128.53	119.14
2	3V	22	GLN	CA-C-O	8.54	128.53	119.14
2	3Z	22	GLN	CA-C-O	8.54	128.53	119.14
2	37	41	PHE	CA-C-N	8.54	133.70	120.89
2	37	41	PHE	C-N-CA	8.54	133.70	120.89
2	4J	41	PHE	CA-C-N	8.54	133.70	120.89
2	4J	41	PHE	C-N-CA	8.54	133.70	120.89
2	4R	41	PHE	CA-C-N	8.54	133.70	120.89
2	4R	41	PHE	C-N-CA	8.54	133.70	120.89
2	43	225	ASN	N-CA-C	-8.54	92.61	110.80
2	47	225	ASN	N-CA-C	-8.54	92.61	110.80
2	5B	225	ASN	N-CA-C	-8.54	92.61	110.80
2	5F	22	GLN	CA-C-O	8.54	128.53	119.14
2	5J	22	GLN	CA-C-O	8.54	128.53	119.14
2	5N	22	GLN	CA-C-O	8.54	128.53	119.14
2	5Z	41	PHE	CA-C-N	8.54	133.70	120.89
2	5Z	41	PHE	C-N-CA	8.54	133.70	120.89
2	53	225	ASN	N-CA-C	-8.54	92.61	110.80
2	57	225	ASN	N-CA-C	-8.54	92.61	110.80
2	6B	225	ASN	N-CA-C	-8.54	92.61	110.80
2	6F	41	PHE	CA-C-N	8.54	133.70	120.89
2	6F	41	PHE	C-N-CA	8.54	133.70	120.89
2	6Z	41	PHE	CA-C-N	8.54	133.70	120.89
2	6Z	41	PHE	C-N-CA	8.54	133.70	120.89
2	63	22	GLN	CA-C-O	8.54	128.53	119.14
2	67	22	GLN	CA-C-O	8.54	128.53	119.14
2	7B	22	GLN	CA-C-O	8.54	128.53	119.14
2	7J	41	PHE	CA-C-N	8.54	133.70	120.89
2	7J	41	PHE	C-N-CA	8.54	133.70	120.89
2	7V	41	PHE	CA-C-N	8.54	133.70	120.89
2	7V	41	PHE	C-N-CA	8.54	133.70	120.89
2	1N	22	GLN	CA-C-O	8.54	128.53	119.14
2	2J	22	GLN	CA-C-O	8.54	128.53	119.14
2	3B	22	GLN	CA-C-O	8.54	128.53	119.14
2	3J	22	GLN	CA-C-O	8.54	128.53	119.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	22	GLN	CA-C-O	8.54	128.53	119.14
2	4F	22	GLN	CA-C-O	8.54	128.53	119.14
2	4Z	22	GLN	CA-C-O	8.54	128.53	119.14
2	5V	22	GLN	CA-C-O	8.54	128.53	119.14
2	6N	22	GLN	CA-C-O	8.54	128.53	119.14
2	6V	22	GLN	CA-C-O	8.54	128.53	119.14
2	7F	22	GLN	CA-C-O	8.54	128.53	119.14
2	7R	22	GLN	CA-C-O	8.54	128.53	119.14
2	1F	40	ASN	CB-CG-OD1	-8.53	103.73	120.80
2	2N	40	ASN	CB-CG-OD1	-8.53	103.73	120.80
2	23	40	ASN	CB-CG-OD1	-8.53	103.73	120.80
2	3N	40	ASN	CB-CG-OD1	-8.53	103.73	120.80
2	37	40	ASN	CB-CG-OD1	-8.53	103.73	120.80
2	4J	40	ASN	CB-CG-OD1	-8.53	103.73	120.80
2	4R	40	ASN	CB-CG-OD1	-8.53	103.73	120.80
2	5Z	40	ASN	CB-CG-OD1	-8.53	103.73	120.80
2	6F	40	ASN	CB-CG-OD1	-8.53	103.73	120.80
2	6Z	40	ASN	CB-CG-OD1	-8.53	103.73	120.80
2	7J	40	ASN	CB-CG-OD1	-8.53	103.73	120.80
2	7V	40	ASN	CB-CG-OD1	-8.53	103.73	120.80
1	1M	19	SER	CA-CB-OG	-8.53	94.04	111.10
1	1M	177	GLY	CA-C-N	-8.53	109.14	122.87
1	1M	177	GLY	C-N-CA	-8.53	109.14	122.87
1	2I	19	SER	CA-CB-OG	-8.53	94.04	111.10
1	2I	177	GLY	CA-C-N	-8.53	109.14	122.87
1	2I	177	GLY	C-N-CA	-8.53	109.14	122.87
1	3A	19	SER	CA-CB-OG	-8.53	94.04	111.10
1	3A	177	GLY	CA-C-N	-8.53	109.14	122.87
1	3A	177	GLY	C-N-CA	-8.53	109.14	122.87
1	3I	19	SER	CA-CB-OG	-8.53	94.04	111.10
1	3I	177	GLY	CA-C-N	-8.53	109.14	122.87
1	3I	177	GLY	C-N-CA	-8.53	109.14	122.87
1	32	19	SER	CA-CB-OG	-8.53	94.04	111.10
1	32	177	GLY	CA-C-N	-8.53	109.14	122.87
1	32	177	GLY	C-N-CA	-8.53	109.14	122.87
1	4E	19	SER	CA-CB-OG	-8.53	94.04	111.10
1	4E	177	GLY	CA-C-N	-8.53	109.14	122.87
1	4E	177	GLY	C-N-CA	-8.53	109.14	122.87
1	4Y	19	SER	CA-CB-OG	-8.53	94.04	111.10
1	4Y	177	GLY	CA-C-N	-8.53	109.14	122.87
1	4Y	177	GLY	C-N-CA	-8.53	109.14	122.87
1	5U	19	SER	CA-CB-OG	-8.53	94.04	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5U	177	GLY	CA-C-N	-8.53	109.14	122.87
1	5U	177	GLY	C-N-CA	-8.53	109.14	122.87
1	6M	19	SER	CA-CB-OG	-8.53	94.04	111.10
1	6M	177	GLY	CA-C-N	-8.53	109.14	122.87
1	6M	177	GLY	C-N-CA	-8.53	109.14	122.87
1	6U	19	SER	CA-CB-OG	-8.53	94.04	111.10
1	6U	177	GLY	CA-C-N	-8.53	109.14	122.87
1	6U	177	GLY	C-N-CA	-8.53	109.14	122.87
1	7E	19	SER	CA-CB-OG	-8.53	94.04	111.10
1	7E	177	GLY	CA-C-N	-8.53	109.14	122.87
1	7E	177	GLY	C-N-CA	-8.53	109.14	122.87
1	7Q	19	SER	CA-CB-OG	-8.53	94.04	111.10
1	7Q	177	GLY	CA-C-N	-8.53	109.14	122.87
1	7Q	177	GLY	C-N-CA	-8.53	109.14	122.87
2	13	225	ASN	N-CA-C	-8.53	92.63	110.80
2	17	225	ASN	N-CA-C	-8.53	92.63	110.80
2	2B	225	ASN	N-CA-C	-8.53	92.63	110.80
2	3R	225	ASN	N-CA-C	-8.53	92.63	110.80
2	3V	225	ASN	N-CA-C	-8.53	92.63	110.80
2	3Z	225	ASN	N-CA-C	-8.53	92.63	110.80
2	5F	225	ASN	N-CA-C	-8.53	92.63	110.80
2	5J	225	ASN	N-CA-C	-8.53	92.63	110.80
2	5N	225	ASN	N-CA-C	-8.53	92.63	110.80
2	63	225	ASN	N-CA-C	-8.53	92.63	110.80
2	67	225	ASN	N-CA-C	-8.53	92.63	110.80
2	7B	225	ASN	N-CA-C	-8.53	92.63	110.80
2	1B	225	ASN	N-CA-C	-8.53	92.64	110.80
2	1J	225	ASN	N-CA-C	-8.53	92.64	110.80
2	2F	225	ASN	N-CA-C	-8.53	92.64	110.80
2	27	225	ASN	N-CA-C	-8.53	92.64	110.80
2	3F	225	ASN	N-CA-C	-8.53	92.64	110.80
2	4B	225	ASN	N-CA-C	-8.53	92.64	110.80
2	4N	225	ASN	N-CA-C	-8.53	92.64	110.80
2	4V	225	ASN	N-CA-C	-8.53	92.64	110.80
2	5R	225	ASN	N-CA-C	-8.53	92.64	110.80
2	6J	225	ASN	N-CA-C	-8.53	92.64	110.80
2	6R	225	ASN	N-CA-C	-8.53	92.64	110.80
2	7N	225	ASN	N-CA-C	-8.53	92.64	110.80
2	1B	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	1J	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	1R	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	1V	40	ASN	CB-CG-OD1	-8.53	103.75	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1Z	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	2F	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	2R	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	2V	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	2Z	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	27	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	3F	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	4B	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	4N	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	4V	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	43	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	47	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	5B	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	5R	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	53	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	57	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	6B	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	6J	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	6R	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	7N	40	ASN	CB-CG-OD1	-8.53	103.75	120.80
2	1B	69	SER	CA-C-O	8.52	129.87	119.38
2	1J	69	SER	CA-C-O	8.52	129.87	119.38
2	1R	15	VAL	CA-C-O	-8.52	110.19	121.02
2	1V	15	VAL	CA-C-O	-8.52	110.19	121.02
2	1Z	15	VAL	CA-C-O	-8.52	110.19	121.02
2	2F	69	SER	CA-C-O	8.52	129.87	119.38
2	2R	15	VAL	CA-C-O	-8.52	110.19	121.02
2	2V	15	VAL	CA-C-O	-8.52	110.19	121.02
2	2Z	15	VAL	CA-C-O	-8.52	110.19	121.02
2	27	69	SER	CA-C-O	8.52	129.87	119.38
2	3F	69	SER	CA-C-O	8.52	129.87	119.38
2	4B	69	SER	CA-C-O	8.52	129.87	119.38
2	4N	69	SER	CA-C-O	8.52	129.87	119.38
2	4V	69	SER	CA-C-O	8.52	129.87	119.38
2	43	15	VAL	CA-C-O	-8.52	110.19	121.02
2	47	15	VAL	CA-C-O	-8.52	110.19	121.02
2	5B	15	VAL	CA-C-O	-8.52	110.19	121.02
2	5R	69	SER	CA-C-O	8.52	129.87	119.38
2	53	15	VAL	CA-C-O	-8.52	110.19	121.02
2	57	15	VAL	CA-C-O	-8.52	110.19	121.02
2	6B	15	VAL	CA-C-O	-8.52	110.19	121.02
2	6J	69	SER	CA-C-O	8.52	129.87	119.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	69	SER	CA-C-O	8.52	129.87	119.38
2	7N	69	SER	CA-C-O	8.52	129.87	119.38
2	1F	15	VAL	CA-C-O	-8.52	110.20	121.02
2	1R	70	TRP	CH2-CZ2-CE2	-8.52	106.42	117.50
2	1V	70	TRP	CH2-CZ2-CE2	-8.52	106.42	117.50
2	1Z	70	TRP	CH2-CZ2-CE2	-8.52	106.42	117.50
2	13	69	SER	CA-C-O	8.52	129.86	119.38
2	17	69	SER	CA-C-O	8.52	129.86	119.38
2	2B	69	SER	CA-C-O	8.52	129.86	119.38
2	2N	15	VAL	CA-C-O	-8.52	110.20	121.02
2	2R	70	TRP	CH2-CZ2-CE2	-8.52	106.42	117.50
2	2V	70	TRP	CH2-CZ2-CE2	-8.52	106.42	117.50
2	2Z	70	TRP	CH2-CZ2-CE2	-8.52	106.42	117.50
2	23	15	VAL	CA-C-O	-8.52	110.20	121.02
2	3N	15	VAL	CA-C-O	-8.52	110.20	121.02
2	3R	69	SER	CA-C-O	8.52	129.86	119.38
2	3V	69	SER	CA-C-O	8.52	129.86	119.38
2	3Z	69	SER	CA-C-O	8.52	129.86	119.38
2	37	15	VAL	CA-C-O	-8.52	110.20	121.02
2	4J	15	VAL	CA-C-O	-8.52	110.20	121.02
2	4R	15	VAL	CA-C-O	-8.52	110.20	121.02
2	43	70	TRP	CH2-CZ2-CE2	-8.52	106.42	117.50
2	47	70	TRP	CH2-CZ2-CE2	-8.52	106.42	117.50
2	5B	70	TRP	CH2-CZ2-CE2	-8.52	106.42	117.50
2	5F	69	SER	CA-C-O	8.52	129.86	119.38
2	5J	69	SER	CA-C-O	8.52	129.86	119.38
2	5N	69	SER	CA-C-O	8.52	129.86	119.38
2	5Z	15	VAL	CA-C-O	-8.52	110.20	121.02
2	53	70	TRP	CH2-CZ2-CE2	-8.52	106.42	117.50
2	57	70	TRP	CH2-CZ2-CE2	-8.52	106.42	117.50
2	6B	70	TRP	CH2-CZ2-CE2	-8.52	106.42	117.50
2	6F	15	VAL	CA-C-O	-8.52	110.20	121.02
2	6Z	15	VAL	CA-C-O	-8.52	110.20	121.02
2	63	69	SER	CA-C-O	8.52	129.86	119.38
2	67	69	SER	CA-C-O	8.52	129.86	119.38
2	7B	69	SER	CA-C-O	8.52	129.86	119.38
2	7J	15	VAL	CA-C-O	-8.52	110.20	121.02
2	7V	15	VAL	CA-C-O	-8.52	110.20	121.02
2	1R	69	SER	CA-C-O	8.52	129.86	119.38
2	1V	69	SER	CA-C-O	8.52	129.86	119.38
2	1Z	69	SER	CA-C-O	8.52	129.86	119.38
2	2R	69	SER	CA-C-O	8.52	129.86	119.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	69	SER	CA-C-O	8.52	129.86	119.38
2	2Z	69	SER	CA-C-O	8.52	129.86	119.38
2	43	69	SER	CA-C-O	8.52	129.86	119.38
2	47	69	SER	CA-C-O	8.52	129.86	119.38
2	5B	69	SER	CA-C-O	8.52	129.86	119.38
2	53	69	SER	CA-C-O	8.52	129.86	119.38
2	57	69	SER	CA-C-O	8.52	129.86	119.38
2	6B	69	SER	CA-C-O	8.52	129.86	119.38
1	1A	19	SER	CA-CB-OG	-8.51	94.07	111.10
2	1F	70	TRP	CH2-CZ2-CE2	-8.51	106.43	117.50
1	1I	19	SER	CA-CB-OG	-8.51	94.07	111.10
1	12	177	GLY	CA-C-N	-8.51	109.17	122.87
1	12	177	GLY	C-N-CA	-8.51	109.17	122.87
2	13	40	ASN	CB-CG-OD1	-8.51	103.77	120.80
1	16	177	GLY	CA-C-N	-8.51	109.17	122.87
1	16	177	GLY	C-N-CA	-8.51	109.17	122.87
2	17	40	ASN	CB-CG-OD1	-8.51	103.77	120.80
1	2A	177	GLY	CA-C-N	-8.51	109.17	122.87
1	2A	177	GLY	C-N-CA	-8.51	109.17	122.87
2	2B	40	ASN	CB-CG-OD1	-8.51	103.77	120.80
1	2E	19	SER	CA-CB-OG	-8.51	94.07	111.10
2	2N	70	TRP	CH2-CZ2-CE2	-8.51	106.43	117.50
2	23	70	TRP	CH2-CZ2-CE2	-8.51	106.43	117.50
1	26	19	SER	CA-CB-OG	-8.51	94.07	111.10
1	3E	19	SER	CA-CB-OG	-8.51	94.07	111.10
2	3N	70	TRP	CH2-CZ2-CE2	-8.51	106.43	117.50
1	3Q	177	GLY	CA-C-N	-8.51	109.17	122.87
1	3Q	177	GLY	C-N-CA	-8.51	109.17	122.87
2	3R	40	ASN	CB-CG-OD1	-8.51	103.77	120.80
1	3U	177	GLY	CA-C-N	-8.51	109.17	122.87
1	3U	177	GLY	C-N-CA	-8.51	109.17	122.87
2	3V	40	ASN	CB-CG-OD1	-8.51	103.77	120.80
1	3Y	177	GLY	CA-C-N	-8.51	109.17	122.87
1	3Y	177	GLY	C-N-CA	-8.51	109.17	122.87
2	3Z	40	ASN	CB-CG-OD1	-8.51	103.77	120.80
2	37	70	TRP	CH2-CZ2-CE2	-8.51	106.43	117.50
1	4A	19	SER	CA-CB-OG	-8.51	94.07	111.10
2	4J	70	TRP	CH2-CZ2-CE2	-8.51	106.43	117.50
1	4M	19	SER	CA-CB-OG	-8.51	94.07	111.10
2	4R	70	TRP	CH2-CZ2-CE2	-8.51	106.43	117.50
1	4U	19	SER	CA-CB-OG	-8.51	94.07	111.10
1	5E	177	GLY	CA-C-N	-8.51	109.17	122.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5E	177	GLY	C-N-CA	-8.51	109.17	122.87
2	5F	40	ASN	CB-CG-OD1	-8.51	103.77	120.80
1	5I	177	GLY	CA-C-N	-8.51	109.17	122.87
1	5I	177	GLY	C-N-CA	-8.51	109.17	122.87
2	5J	40	ASN	CB-CG-OD1	-8.51	103.77	120.80
1	5M	177	GLY	CA-C-N	-8.51	109.17	122.87
1	5M	177	GLY	C-N-CA	-8.51	109.17	122.87
2	5N	40	ASN	CB-CG-OD1	-8.51	103.77	120.80
1	5Q	19	SER	CA-CB-OG	-8.51	94.07	111.10
2	5Z	70	TRP	CH2-CZ2-CE2	-8.51	106.43	117.50
2	6F	70	TRP	CH2-CZ2-CE2	-8.51	106.43	117.50
1	6I	19	SER	CA-CB-OG	-8.51	94.07	111.10
1	6Q	19	SER	CA-CB-OG	-8.51	94.07	111.10
2	6Z	70	TRP	CH2-CZ2-CE2	-8.51	106.43	117.50
1	62	177	GLY	CA-C-N	-8.51	109.17	122.87
1	62	177	GLY	C-N-CA	-8.51	109.17	122.87
2	63	40	ASN	CB-CG-OD1	-8.51	103.77	120.80
1	66	177	GLY	CA-C-N	-8.51	109.17	122.87
1	66	177	GLY	C-N-CA	-8.51	109.17	122.87
2	67	40	ASN	CB-CG-OD1	-8.51	103.77	120.80
1	7A	177	GLY	CA-C-N	-8.51	109.17	122.87
1	7A	177	GLY	C-N-CA	-8.51	109.17	122.87
2	7B	40	ASN	CB-CG-OD1	-8.51	103.77	120.80
2	7J	70	TRP	CH2-CZ2-CE2	-8.51	106.43	117.50
1	7M	19	SER	CA-CB-OG	-8.51	94.07	111.10
2	7V	70	TRP	CH2-CZ2-CE2	-8.51	106.43	117.50
2	1N	71	ALA	CB-CA-C	8.51	126.27	110.95
1	1E	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	12	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	16	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	2A	19	SER	CA-CB-OG	-8.51	94.08	111.10
2	2J	71	ALA	CB-CA-C	8.51	126.27	110.95
2	3B	71	ALA	CB-CA-C	8.51	126.27	110.95
2	3J	71	ALA	CB-CA-C	8.51	126.27	110.95
1	2M	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	22	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	3M	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	3Q	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	3U	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	3Y	19	SER	CA-CB-OG	-8.51	94.08	111.10
2	33	71	ALA	CB-CA-C	8.51	126.27	110.95
2	4F	71	ALA	CB-CA-C	8.51	126.27	110.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4Z	71	ALA	CB-CA-C	8.51	126.27	110.95
2	7R	71	ALA	CB-CA-C	8.51	126.27	110.95
1	36	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	4I	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	4Q	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	5E	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	5I	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	5M	19	SER	CA-CB-OG	-8.51	94.08	111.10
2	5V	71	ALA	CB-CA-C	8.51	126.27	110.95
2	6N	71	ALA	CB-CA-C	8.51	126.27	110.95
2	6V	71	ALA	CB-CA-C	8.51	126.27	110.95
1	5Y	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	6E	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	6Y	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	62	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	66	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	7A	19	SER	CA-CB-OG	-8.51	94.08	111.10
2	7F	71	ALA	CB-CA-C	8.51	126.27	110.95
1	7I	19	SER	CA-CB-OG	-8.51	94.08	111.10
1	7U	19	SER	CA-CB-OG	-8.51	94.08	111.10
2	1B	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	1J	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	1R	71	ALA	CB-CA-C	8.51	126.26	110.95
2	1V	71	ALA	CB-CA-C	8.51	126.26	110.95
2	1Z	71	ALA	CB-CA-C	8.51	126.26	110.95
2	13	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	17	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	2B	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	2F	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	2R	71	ALA	CB-CA-C	8.51	126.26	110.95
2	2V	71	ALA	CB-CA-C	8.51	126.26	110.95
2	2Z	71	ALA	CB-CA-C	8.51	126.26	110.95
2	27	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	3F	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	3R	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	3V	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	3Z	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	4B	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	4N	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	4V	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	43	71	ALA	CB-CA-C	8.51	126.26	110.95
2	47	71	ALA	CB-CA-C	8.51	126.26	110.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5B	71	ALA	CB-CA-C	8.51	126.26	110.95
2	5F	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	5J	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	5N	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	5R	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	53	71	ALA	CB-CA-C	8.51	126.26	110.95
2	57	71	ALA	CB-CA-C	8.51	126.26	110.95
2	6B	71	ALA	CB-CA-C	8.51	126.26	110.95
2	6J	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	6R	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	63	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	67	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	7B	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	7N	70	TRP	CH2-CZ2-CE2	-8.51	106.44	117.50
2	13	71	ALA	CB-CA-C	8.51	126.26	110.95
2	17	71	ALA	CB-CA-C	8.51	126.26	110.95
2	2B	71	ALA	CB-CA-C	8.51	126.26	110.95
2	3R	71	ALA	CB-CA-C	8.51	126.26	110.95
2	3V	71	ALA	CB-CA-C	8.51	126.26	110.95
2	3Z	71	ALA	CB-CA-C	8.51	126.26	110.95
2	5F	71	ALA	CB-CA-C	8.51	126.26	110.95
2	5J	71	ALA	CB-CA-C	8.51	126.26	110.95
2	5N	71	ALA	CB-CA-C	8.51	126.26	110.95
2	63	71	ALA	CB-CA-C	8.51	126.26	110.95
2	67	71	ALA	CB-CA-C	8.51	126.26	110.95
2	7B	71	ALA	CB-CA-C	8.51	126.26	110.95
2	1B	71	ALA	CB-CA-C	8.50	126.25	110.95
2	1J	71	ALA	CB-CA-C	8.50	126.25	110.95
1	1M	27	LYS	N-CA-CB	8.50	123.57	110.14
2	1N	69	SER	CA-C-O	8.50	129.84	119.38
2	2F	71	ALA	CB-CA-C	8.50	126.25	110.95
1	2I	27	LYS	N-CA-CB	8.50	123.57	110.14
2	2J	69	SER	CA-C-O	8.50	129.84	119.38
2	27	71	ALA	CB-CA-C	8.50	126.25	110.95
1	3A	27	LYS	N-CA-CB	8.50	123.57	110.14
2	3B	69	SER	CA-C-O	8.50	129.84	119.38
2	3F	71	ALA	CB-CA-C	8.50	126.25	110.95
1	3I	27	LYS	N-CA-CB	8.50	123.57	110.14
2	3J	69	SER	CA-C-O	8.50	129.84	119.38
1	32	27	LYS	N-CA-CB	8.50	123.57	110.14
2	33	69	SER	CA-C-O	8.50	129.84	119.38
2	4B	71	ALA	CB-CA-C	8.50	126.25	110.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	27	LYS	N-CA-CB	8.50	123.57	110.14
2	4F	69	SER	CA-C-O	8.50	129.84	119.38
2	4N	71	ALA	CB-CA-C	8.50	126.25	110.95
2	4V	71	ALA	CB-CA-C	8.50	126.25	110.95
1	4Y	27	LYS	N-CA-CB	8.50	123.57	110.14
2	4Z	69	SER	CA-C-O	8.50	129.84	119.38
2	5R	71	ALA	CB-CA-C	8.50	126.25	110.95
1	5U	27	LYS	N-CA-CB	8.50	123.57	110.14
2	5V	69	SER	CA-C-O	8.50	129.84	119.38
2	6J	71	ALA	CB-CA-C	8.50	126.25	110.95
1	6M	27	LYS	N-CA-CB	8.50	123.57	110.14
2	6N	69	SER	CA-C-O	8.50	129.84	119.38
2	6R	71	ALA	CB-CA-C	8.50	126.25	110.95
1	6U	27	LYS	N-CA-CB	8.50	123.57	110.14
2	6V	69	SER	CA-C-O	8.50	129.84	119.38
1	7E	27	LYS	N-CA-CB	8.50	123.57	110.14
2	7F	69	SER	CA-C-O	8.50	129.84	119.38
2	7N	71	ALA	CB-CA-C	8.50	126.25	110.95
1	7Q	27	LYS	N-CA-CB	8.50	123.57	110.14
2	7R	69	SER	CA-C-O	8.50	129.84	119.38
1	1E	177	GLY	CA-C-N	-8.50	109.19	122.87
1	1E	177	GLY	C-N-CA	-8.50	109.19	122.87
1	2M	177	GLY	CA-C-N	-8.50	109.19	122.87
1	2M	177	GLY	C-N-CA	-8.50	109.19	122.87
1	22	177	GLY	CA-C-N	-8.50	109.19	122.87
1	22	177	GLY	C-N-CA	-8.50	109.19	122.87
1	3M	177	GLY	CA-C-N	-8.50	109.19	122.87
1	3M	177	GLY	C-N-CA	-8.50	109.19	122.87
1	36	177	GLY	CA-C-N	-8.50	109.19	122.87
1	36	177	GLY	C-N-CA	-8.50	109.19	122.87
1	4I	177	GLY	CA-C-N	-8.50	109.19	122.87
1	4I	177	GLY	C-N-CA	-8.50	109.19	122.87
1	4Q	177	GLY	CA-C-N	-8.50	109.19	122.87
1	4Q	177	GLY	C-N-CA	-8.50	109.19	122.87
1	5Y	177	GLY	CA-C-N	-8.50	109.19	122.87
1	5Y	177	GLY	C-N-CA	-8.50	109.19	122.87
1	6E	177	GLY	CA-C-N	-8.50	109.19	122.87
1	6E	177	GLY	C-N-CA	-8.50	109.19	122.87
1	6Y	177	GLY	CA-C-N	-8.50	109.19	122.87
1	6Y	177	GLY	C-N-CA	-8.50	109.19	122.87
1	7I	177	GLY	CA-C-N	-8.50	109.19	122.87
1	7I	177	GLY	C-N-CA	-8.50	109.19	122.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	177	GLY	CA-C-N	-8.50	109.19	122.87
1	7U	177	GLY	C-N-CA	-8.50	109.19	122.87
1	1M	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	2I	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	3A	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	32	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	4E	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	5U	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	6U	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	1A	177	GLY	CA-C-N	-8.49	109.20	122.87
1	1A	177	GLY	C-N-CA	-8.49	109.20	122.87
2	1F	71	ALA	CB-CA-C	8.49	126.24	110.95
1	1I	177	GLY	CA-C-N	-8.49	109.20	122.87
1	1I	177	GLY	C-N-CA	-8.49	109.20	122.87
2	1N	40	ASN	CB-CG-OD1	-8.49	103.81	120.80
2	1N	70	TRP	CH2-CZ2-CE2	-8.49	106.46	117.50
1	3I	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	1Q	19	SER	CA-CB-OG	-8.49	94.11	111.10
1	1Q	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	1U	19	SER	CA-CB-OG	-8.49	94.11	111.10
1	1U	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	1Y	19	SER	CA-CB-OG	-8.49	94.11	111.10
1	1Y	42	VAL	CA-CB-CG2	8.49	124.84	110.40
2	2J	70	TRP	CH2-CZ2-CE2	-8.49	106.46	117.50
2	4F	40	ASN	CB-CG-OD1	-8.49	103.81	120.80
2	6V	40	ASN	CB-CG-OD1	-8.49	103.81	120.80
1	12	27	LYS	N-CA-CB	8.49	123.56	110.14
1	16	27	LYS	N-CA-CB	8.49	123.56	110.14
1	2A	27	LYS	N-CA-CB	8.49	123.56	110.14
1	2E	177	GLY	CA-C-N	-8.49	109.20	122.87
1	2E	177	GLY	C-N-CA	-8.49	109.20	122.87
2	2J	40	ASN	CB-CG-OD1	-8.49	103.81	120.80
2	2N	71	ALA	CB-CA-C	8.49	126.24	110.95
1	2Q	19	SER	CA-CB-OG	-8.49	94.11	111.10
1	2Q	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	2U	19	SER	CA-CB-OG	-8.49	94.11	111.10
1	2U	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	2Y	19	SER	CA-CB-OG	-8.49	94.11	111.10
1	2Y	42	VAL	CA-CB-CG2	8.49	124.84	110.40
2	3B	70	TRP	CH2-CZ2-CE2	-8.49	106.46	117.50
2	23	71	ALA	CB-CA-C	8.49	126.24	110.95
1	26	177	GLY	CA-C-N	-8.49	109.20	122.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	26	177	GLY	C-N-CA	-8.49	109.20	122.87
2	3B	40	ASN	CB-CG-OD1	-8.49	103.81	120.80
1	3E	177	GLY	CA-C-N	-8.49	109.20	122.87
1	3E	177	GLY	C-N-CA	-8.49	109.20	122.87
2	3J	40	ASN	CB-CG-OD1	-8.49	103.81	120.80
2	3J	70	TRP	CH2-CZ2-CE2	-8.49	106.46	117.50
2	33	40	ASN	CB-CG-OD1	-8.49	103.81	120.80
2	33	70	TRP	CH2-CZ2-CE2	-8.49	106.46	117.50
2	4Z	70	TRP	CH2-CZ2-CE2	-8.49	106.46	117.50
2	6N	40	ASN	CB-CG-OD1	-8.49	103.81	120.80
2	6V	70	TRP	CH2-CZ2-CE2	-8.49	106.46	117.50
1	7E	42	VAL	CA-CB-CG2	8.49	124.84	110.40
2	7F	40	ASN	CB-CG-OD1	-8.49	103.81	120.80
1	7Q	42	VAL	CA-CB-CG2	8.49	124.84	110.40
2	3N	71	ALA	CB-CA-C	8.49	126.24	110.95
1	3Q	27	LYS	N-CA-CB	8.49	123.56	110.14
1	3U	27	LYS	N-CA-CB	8.49	123.56	110.14
1	3Y	27	LYS	N-CA-CB	8.49	123.56	110.14
2	37	71	ALA	CB-CA-C	8.49	126.24	110.95
1	4A	177	GLY	CA-C-N	-8.49	109.20	122.87
1	4A	177	GLY	C-N-CA	-8.49	109.20	122.87
2	4F	70	TRP	CH2-CZ2-CE2	-8.49	106.46	117.50
1	4Y	42	VAL	CA-CB-CG2	8.49	124.84	110.40
2	4J	71	ALA	CB-CA-C	8.49	126.24	110.95
1	4M	177	GLY	CA-C-N	-8.49	109.20	122.87
1	4M	177	GLY	C-N-CA	-8.49	109.20	122.87
2	4R	71	ALA	CB-CA-C	8.49	126.24	110.95
1	4U	177	GLY	CA-C-N	-8.49	109.20	122.87
1	4U	177	GLY	C-N-CA	-8.49	109.20	122.87
2	4Z	40	ASN	CB-CG-OD1	-8.49	103.81	120.80
1	42	19	SER	CA-CB-OG	-8.49	94.11	111.10
1	42	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	46	19	SER	CA-CB-OG	-8.49	94.11	111.10
1	46	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	5A	19	SER	CA-CB-OG	-8.49	94.11	111.10
1	5A	42	VAL	CA-CB-CG2	8.49	124.84	110.40
2	5V	40	ASN	CB-CG-OD1	-8.49	103.81	120.80
2	5V	70	TRP	CH2-CZ2-CE2	-8.49	106.46	117.50
1	6M	42	VAL	CA-CB-CG2	8.49	124.84	110.40
2	7F	70	TRP	CH2-CZ2-CE2	-8.49	106.46	117.50
1	5E	27	LYS	N-CA-CB	8.49	123.56	110.14
1	5I	27	LYS	N-CA-CB	8.49	123.56	110.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	27	LYS	N-CA-CB	8.49	123.56	110.14
1	5Q	177	GLY	CA-C-N	-8.49	109.20	122.87
1	5Q	177	GLY	C-N-CA	-8.49	109.20	122.87
2	5Z	71	ALA	CB-CA-C	8.49	126.24	110.95
1	52	19	SER	CA-CB-OG	-8.49	94.11	111.10
1	52	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	56	19	SER	CA-CB-OG	-8.49	94.11	111.10
1	56	42	VAL	CA-CB-CG2	8.49	124.84	110.40
1	6A	19	SER	CA-CB-OG	-8.49	94.11	111.10
1	6A	42	VAL	CA-CB-CG2	8.49	124.84	110.40
2	6N	70	TRP	CH2-CZ2-CE2	-8.49	106.46	117.50
2	6F	71	ALA	CB-CA-C	8.49	126.24	110.95
1	6I	177	GLY	CA-C-N	-8.49	109.20	122.87
1	6I	177	GLY	C-N-CA	-8.49	109.20	122.87
1	6Q	177	GLY	CA-C-N	-8.49	109.20	122.87
1	6Q	177	GLY	C-N-CA	-8.49	109.20	122.87
2	7R	40	ASN	CB-CG-OD1	-8.49	103.81	120.80
2	6Z	71	ALA	CB-CA-C	8.49	126.24	110.95
1	62	27	LYS	N-CA-CB	8.49	123.56	110.14
1	66	27	LYS	N-CA-CB	8.49	123.56	110.14
1	7A	27	LYS	N-CA-CB	8.49	123.56	110.14
2	7J	71	ALA	CB-CA-C	8.49	126.24	110.95
1	7M	177	GLY	CA-C-N	-8.49	109.20	122.87
1	7M	177	GLY	C-N-CA	-8.49	109.20	122.87
2	7R	70	TRP	CH2-CZ2-CE2	-8.49	106.46	117.50
2	7V	71	ALA	CB-CA-C	8.49	126.24	110.95
1	1A	27	LYS	N-CA-CB	8.49	123.55	110.14
1	1I	27	LYS	N-CA-CB	8.49	123.55	110.14
1	12	42	VAL	CA-CB-CG2	8.49	124.83	110.40
1	16	42	VAL	CA-CB-CG2	8.49	124.83	110.40
1	2A	42	VAL	CA-CB-CG2	8.49	124.83	110.40
1	2E	27	LYS	N-CA-CB	8.49	123.55	110.14
1	26	27	LYS	N-CA-CB	8.49	123.55	110.14
1	3E	27	LYS	N-CA-CB	8.49	123.55	110.14
1	3Q	42	VAL	CA-CB-CG2	8.49	124.83	110.40
1	3U	42	VAL	CA-CB-CG2	8.49	124.83	110.40
1	3Y	42	VAL	CA-CB-CG2	8.49	124.83	110.40
1	4A	27	LYS	N-CA-CB	8.49	123.55	110.14
1	4M	27	LYS	N-CA-CB	8.49	123.55	110.14
1	4U	27	LYS	N-CA-CB	8.49	123.55	110.14
1	5E	42	VAL	CA-CB-CG2	8.49	124.83	110.40
1	5I	42	VAL	CA-CB-CG2	8.49	124.83	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	42	VAL	CA-CB-CG2	8.49	124.83	110.40
1	5Q	27	LYS	N-CA-CB	8.49	123.55	110.14
1	6I	27	LYS	N-CA-CB	8.49	123.55	110.14
1	6Q	27	LYS	N-CA-CB	8.49	123.55	110.14
1	62	42	VAL	CA-CB-CG2	8.49	124.83	110.40
1	66	42	VAL	CA-CB-CG2	8.49	124.83	110.40
1	7A	42	VAL	CA-CB-CG2	8.49	124.83	110.40
1	7M	27	LYS	N-CA-CB	8.49	123.55	110.14
1	1E	27	LYS	N-CA-CB	8.47	123.53	110.14
1	2M	27	LYS	N-CA-CB	8.47	123.53	110.14
1	22	27	LYS	N-CA-CB	8.47	123.53	110.14
1	3M	27	LYS	N-CA-CB	8.47	123.53	110.14
1	36	27	LYS	N-CA-CB	8.47	123.53	110.14
1	4I	27	LYS	N-CA-CB	8.47	123.53	110.14
1	4Q	27	LYS	N-CA-CB	8.47	123.53	110.14
1	5Y	27	LYS	N-CA-CB	8.47	123.53	110.14
1	6E	27	LYS	N-CA-CB	8.47	123.53	110.14
1	6Y	27	LYS	N-CA-CB	8.47	123.53	110.14
1	7I	27	LYS	N-CA-CB	8.47	123.53	110.14
1	7U	27	LYS	N-CA-CB	8.47	123.53	110.14
1	1A	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	1E	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	1I	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	1Q	79	THR	CA-CB-CG2	-8.47	96.10	110.50
1	1U	79	THR	CA-CB-CG2	-8.47	96.10	110.50
1	1Y	79	THR	CA-CB-CG2	-8.47	96.10	110.50
1	2E	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	2M	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	2Q	79	THR	CA-CB-CG2	-8.47	96.10	110.50
1	2U	79	THR	CA-CB-CG2	-8.47	96.10	110.50
1	2Y	79	THR	CA-CB-CG2	-8.47	96.10	110.50
1	22	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	26	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	3E	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	3M	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	36	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	4A	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	4I	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	4M	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	4Q	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	4U	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	42	79	THR	CA-CB-CG2	-8.47	96.10	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	46	79	THR	CA-CB-CG2	-8.47	96.10	110.50
1	5A	79	THR	CA-CB-CG2	-8.47	96.10	110.50
1	5Q	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	5Y	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	52	79	THR	CA-CB-CG2	-8.47	96.10	110.50
1	56	79	THR	CA-CB-CG2	-8.47	96.10	110.50
1	6A	79	THR	CA-CB-CG2	-8.47	96.10	110.50
1	6E	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	6I	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	6Q	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	6Y	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	7I	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	7M	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	7U	42	VAL	CA-CB-CG2	8.47	124.80	110.40
1	1Q	177	GLY	CA-C-N	-8.47	109.23	122.87
1	1Q	177	GLY	C-N-CA	-8.47	109.23	122.87
1	1U	177	GLY	CA-C-N	-8.47	109.23	122.87
1	1U	177	GLY	C-N-CA	-8.47	109.23	122.87
1	1Y	177	GLY	CA-C-N	-8.47	109.23	122.87
1	1Y	177	GLY	C-N-CA	-8.47	109.23	122.87
1	2Q	177	GLY	CA-C-N	-8.47	109.23	122.87
1	2Q	177	GLY	C-N-CA	-8.47	109.23	122.87
1	2U	177	GLY	CA-C-N	-8.47	109.23	122.87
1	2U	177	GLY	C-N-CA	-8.47	109.23	122.87
1	2Y	177	GLY	CA-C-N	-8.47	109.23	122.87
1	2Y	177	GLY	C-N-CA	-8.47	109.23	122.87
1	42	177	GLY	CA-C-N	-8.47	109.23	122.87
1	42	177	GLY	C-N-CA	-8.47	109.23	122.87
1	46	177	GLY	CA-C-N	-8.47	109.23	122.87
1	46	177	GLY	C-N-CA	-8.47	109.23	122.87
1	5A	177	GLY	CA-C-N	-8.47	109.23	122.87
1	5A	177	GLY	C-N-CA	-8.47	109.23	122.87
1	52	177	GLY	CA-C-N	-8.47	109.23	122.87
1	52	177	GLY	C-N-CA	-8.47	109.23	122.87
1	56	177	GLY	CA-C-N	-8.47	109.23	122.87
1	56	177	GLY	C-N-CA	-8.47	109.23	122.87
1	6A	177	GLY	CA-C-N	-8.47	109.23	122.87
1	6A	177	GLY	C-N-CA	-8.47	109.23	122.87
1	1Q	27	LYS	N-CA-CB	8.47	123.52	110.14
1	1U	27	LYS	N-CA-CB	8.47	123.52	110.14
1	1Y	27	LYS	N-CA-CB	8.47	123.52	110.14
1	2Q	27	LYS	N-CA-CB	8.47	123.52	110.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	27	LYS	N-CA-CB	8.47	123.52	110.14
1	2Y	27	LYS	N-CA-CB	8.47	123.52	110.14
1	42	27	LYS	N-CA-CB	8.47	123.52	110.14
1	46	27	LYS	N-CA-CB	8.47	123.52	110.14
1	5A	27	LYS	N-CA-CB	8.47	123.52	110.14
1	52	27	LYS	N-CA-CB	8.47	123.52	110.14
1	56	27	LYS	N-CA-CB	8.47	123.52	110.14
1	6A	27	LYS	N-CA-CB	8.47	123.52	110.14
1	1E	79	THR	CA-CB-CG2	-8.47	96.11	110.50
2	1R	57	LYS	CG-CD-CE	-8.46	91.83	111.30
2	1V	57	LYS	CG-CD-CE	-8.46	91.83	111.30
2	1Z	57	LYS	CG-CD-CE	-8.46	91.83	111.30
1	12	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	16	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	2A	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	2M	79	THR	CA-CB-CG2	-8.47	96.11	110.50
2	2R	57	LYS	CG-CD-CE	-8.46	91.83	111.30
2	2V	57	LYS	CG-CD-CE	-8.46	91.83	111.30
2	2Z	57	LYS	CG-CD-CE	-8.46	91.83	111.30
1	22	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	3M	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	3Q	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	3U	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	3Y	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	36	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	4I	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	4Q	79	THR	CA-CB-CG2	-8.47	96.11	110.50
2	43	57	LYS	CG-CD-CE	-8.46	91.83	111.30
2	47	57	LYS	CG-CD-CE	-8.46	91.83	111.30
2	5B	57	LYS	CG-CD-CE	-8.46	91.83	111.30
1	5E	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	5I	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	5M	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	5Y	79	THR	CA-CB-CG2	-8.47	96.11	110.50
2	53	57	LYS	CG-CD-CE	-8.46	91.83	111.30
2	57	57	LYS	CG-CD-CE	-8.46	91.83	111.30
2	6B	57	LYS	CG-CD-CE	-8.46	91.83	111.30
1	6E	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	6Y	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	62	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	66	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	7A	79	THR	CA-CB-CG2	-8.47	96.11	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	79	THR	CA-CB-CG2	-8.47	96.11	110.50
1	7U	79	THR	CA-CB-CG2	-8.47	96.11	110.50
2	1F	57	LYS	CG-CD-CE	-8.46	91.84	111.30
2	2N	57	LYS	CG-CD-CE	-8.46	91.84	111.30
2	23	57	LYS	CG-CD-CE	-8.46	91.84	111.30
2	3N	57	LYS	CG-CD-CE	-8.46	91.84	111.30
2	37	57	LYS	CG-CD-CE	-8.46	91.84	111.30
2	4J	57	LYS	CG-CD-CE	-8.46	91.84	111.30
2	4R	57	LYS	CG-CD-CE	-8.46	91.84	111.30
2	5Z	57	LYS	CG-CD-CE	-8.46	91.84	111.30
2	6F	57	LYS	CG-CD-CE	-8.46	91.84	111.30
2	6Z	57	LYS	CG-CD-CE	-8.46	91.84	111.30
2	7J	57	LYS	CG-CD-CE	-8.46	91.84	111.30
2	7V	57	LYS	CG-CD-CE	-8.46	91.84	111.30
1	1A	79	THR	CA-CB-CG2	-8.46	96.12	110.50
1	1I	79	THR	CA-CB-CG2	-8.46	96.12	110.50
1	2E	79	THR	CA-CB-CG2	-8.46	96.12	110.50
1	26	79	THR	CA-CB-CG2	-8.46	96.12	110.50
1	3E	79	THR	CA-CB-CG2	-8.46	96.12	110.50
1	4A	79	THR	CA-CB-CG2	-8.46	96.12	110.50
1	4M	79	THR	CA-CB-CG2	-8.46	96.12	110.50
1	4U	79	THR	CA-CB-CG2	-8.46	96.12	110.50
1	5Q	79	THR	CA-CB-CG2	-8.46	96.12	110.50
1	6I	79	THR	CA-CB-CG2	-8.46	96.12	110.50
1	6Q	79	THR	CA-CB-CG2	-8.46	96.12	110.50
1	7M	79	THR	CA-CB-CG2	-8.46	96.12	110.50
2	13	57	LYS	CG-CD-CE	-8.46	91.85	111.30
2	17	57	LYS	CG-CD-CE	-8.46	91.85	111.30
2	2B	57	LYS	CG-CD-CE	-8.46	91.85	111.30
2	3R	57	LYS	CG-CD-CE	-8.46	91.85	111.30
2	3V	57	LYS	CG-CD-CE	-8.46	91.85	111.30
2	3Z	57	LYS	CG-CD-CE	-8.46	91.85	111.30
2	5F	57	LYS	CG-CD-CE	-8.46	91.85	111.30
2	5J	57	LYS	CG-CD-CE	-8.46	91.85	111.30
2	5N	57	LYS	CG-CD-CE	-8.46	91.85	111.30
2	63	57	LYS	CG-CD-CE	-8.46	91.85	111.30
2	67	57	LYS	CG-CD-CE	-8.46	91.85	111.30
2	7B	57	LYS	CG-CD-CE	-8.46	91.85	111.30
1	12	84	ARG	CB-CA-C	8.45	127.24	110.42
1	16	84	ARG	CB-CA-C	8.45	127.24	110.42
1	2A	84	ARG	CB-CA-C	8.45	127.24	110.42
1	3Q	84	ARG	CB-CA-C	8.45	127.24	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	84	ARG	CB-CA-C	8.45	127.24	110.42
1	3Y	84	ARG	CB-CA-C	8.45	127.24	110.42
1	5E	84	ARG	CB-CA-C	8.45	127.24	110.42
1	5I	84	ARG	CB-CA-C	8.45	127.24	110.42
1	5M	84	ARG	CB-CA-C	8.45	127.24	110.42
1	62	84	ARG	CB-CA-C	8.45	127.24	110.42
1	66	84	ARG	CB-CA-C	8.45	127.24	110.42
1	7A	84	ARG	CB-CA-C	8.45	127.24	110.42
1	1M	79	THR	CA-CB-CG2	-8.45	96.14	110.50
2	1N	57	LYS	CG-CD-CE	-8.45	91.87	111.30
1	2I	79	THR	CA-CB-CG2	-8.45	96.14	110.50
2	2J	57	LYS	CG-CD-CE	-8.45	91.87	111.30
1	3A	79	THR	CA-CB-CG2	-8.45	96.14	110.50
2	3B	57	LYS	CG-CD-CE	-8.45	91.87	111.30
1	3I	79	THR	CA-CB-CG2	-8.45	96.14	110.50
2	3J	57	LYS	CG-CD-CE	-8.45	91.87	111.30
1	32	79	THR	CA-CB-CG2	-8.45	96.14	110.50
2	33	57	LYS	CG-CD-CE	-8.45	91.87	111.30
1	4E	79	THR	CA-CB-CG2	-8.45	96.14	110.50
2	4F	57	LYS	CG-CD-CE	-8.45	91.87	111.30
1	4Y	79	THR	CA-CB-CG2	-8.45	96.14	110.50
2	4Z	57	LYS	CG-CD-CE	-8.45	91.87	111.30
1	5U	79	THR	CA-CB-CG2	-8.45	96.14	110.50
2	5V	57	LYS	CG-CD-CE	-8.45	91.87	111.30
1	6M	79	THR	CA-CB-CG2	-8.45	96.14	110.50
2	6N	57	LYS	CG-CD-CE	-8.45	91.87	111.30
1	6U	79	THR	CA-CB-CG2	-8.45	96.14	110.50
2	6V	57	LYS	CG-CD-CE	-8.45	91.87	111.30
1	7E	79	THR	CA-CB-CG2	-8.45	96.14	110.50
2	7F	57	LYS	CG-CD-CE	-8.45	91.87	111.30
1	7Q	79	THR	CA-CB-CG2	-8.45	96.14	110.50
2	7R	57	LYS	CG-CD-CE	-8.45	91.87	111.30
2	1N	77	THR	CA-CB-OG1	8.45	122.27	109.60
2	2J	77	THR	CA-CB-OG1	8.45	122.27	109.60
2	3B	77	THR	CA-CB-OG1	8.45	122.27	109.60
2	3J	77	THR	CA-CB-OG1	8.45	122.27	109.60
2	33	77	THR	CA-CB-OG1	8.45	122.27	109.60
2	4F	77	THR	CA-CB-OG1	8.45	122.27	109.60
2	4Z	77	THR	CA-CB-OG1	8.45	122.27	109.60
2	5V	77	THR	CA-CB-OG1	8.45	122.27	109.60
2	6N	77	THR	CA-CB-OG1	8.45	122.27	109.60
2	6V	77	THR	CA-CB-OG1	8.45	122.27	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	77	THR	CA-CB-OG1	8.45	122.27	109.60
2	7R	77	THR	CA-CB-OG1	8.45	122.27	109.60
1	1E	66	ARG	CB-CA-C	8.44	126.07	109.35
1	1M	66	ARG	CB-CA-C	8.44	126.07	109.35
1	2I	66	ARG	CB-CA-C	8.44	126.07	109.35
1	2M	66	ARG	CB-CA-C	8.44	126.07	109.35
1	22	66	ARG	CB-CA-C	8.44	126.07	109.35
1	3A	66	ARG	CB-CA-C	8.44	126.07	109.35
1	3I	66	ARG	CB-CA-C	8.44	126.07	109.35
1	3M	66	ARG	CB-CA-C	8.44	126.07	109.35
1	32	66	ARG	CB-CA-C	8.44	126.07	109.35
1	36	66	ARG	CB-CA-C	8.44	126.07	109.35
1	4E	66	ARG	CB-CA-C	8.44	126.07	109.35
1	4I	66	ARG	CB-CA-C	8.44	126.07	109.35
1	4Q	66	ARG	CB-CA-C	8.44	126.07	109.35
1	4Y	66	ARG	CB-CA-C	8.44	126.07	109.35
1	5U	66	ARG	CB-CA-C	8.44	126.07	109.35
1	5Y	66	ARG	CB-CA-C	8.44	126.07	109.35
1	6E	66	ARG	CB-CA-C	8.44	126.07	109.35
1	6M	66	ARG	CB-CA-C	8.44	126.07	109.35
1	6U	66	ARG	CB-CA-C	8.44	126.07	109.35
1	6Y	66	ARG	CB-CA-C	8.44	126.07	109.35
1	7E	66	ARG	CB-CA-C	8.44	126.07	109.35
1	7I	66	ARG	CB-CA-C	8.44	126.07	109.35
1	7Q	66	ARG	CB-CA-C	8.44	126.07	109.35
1	7U	66	ARG	CB-CA-C	8.44	126.07	109.35
1	1A	66	ARG	CB-CA-C	8.44	126.06	109.35
2	1B	57	LYS	CG-CD-CE	-8.44	91.89	111.30
1	1I	66	ARG	CB-CA-C	8.44	126.06	109.35
2	1J	57	LYS	CG-CD-CE	-8.44	91.89	111.30
1	12	66	ARG	CB-CA-C	8.44	126.06	109.35
1	16	66	ARG	CB-CA-C	8.44	126.06	109.35
1	2A	66	ARG	CB-CA-C	8.44	126.06	109.35
1	2E	66	ARG	CB-CA-C	8.44	126.06	109.35
2	2F	57	LYS	CG-CD-CE	-8.44	91.89	111.30
1	26	66	ARG	CB-CA-C	8.44	126.06	109.35
2	27	57	LYS	CG-CD-CE	-8.44	91.89	111.30
1	3E	66	ARG	CB-CA-C	8.44	126.06	109.35
2	3F	57	LYS	CG-CD-CE	-8.44	91.89	111.30
1	3Q	66	ARG	CB-CA-C	8.44	126.06	109.35
1	3U	66	ARG	CB-CA-C	8.44	126.06	109.35
1	3Y	66	ARG	CB-CA-C	8.44	126.06	109.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	66	ARG	CB-CA-C	8.44	126.06	109.35
2	4B	57	LYS	CG-CD-CE	-8.44	91.89	111.30
1	4M	66	ARG	CB-CA-C	8.44	126.06	109.35
2	4N	57	LYS	CG-CD-CE	-8.44	91.89	111.30
1	4U	66	ARG	CB-CA-C	8.44	126.06	109.35
2	4V	57	LYS	CG-CD-CE	-8.44	91.89	111.30
1	5E	66	ARG	CB-CA-C	8.44	126.06	109.35
1	5I	66	ARG	CB-CA-C	8.44	126.06	109.35
1	5M	66	ARG	CB-CA-C	8.44	126.06	109.35
1	5Q	66	ARG	CB-CA-C	8.44	126.06	109.35
2	5R	57	LYS	CG-CD-CE	-8.44	91.89	111.30
1	6I	66	ARG	CB-CA-C	8.44	126.06	109.35
2	6J	57	LYS	CG-CD-CE	-8.44	91.89	111.30
1	6Q	66	ARG	CB-CA-C	8.44	126.06	109.35
2	6R	57	LYS	CG-CD-CE	-8.44	91.89	111.30
1	62	66	ARG	CB-CA-C	8.44	126.06	109.35
1	66	66	ARG	CB-CA-C	8.44	126.06	109.35
1	7A	66	ARG	CB-CA-C	8.44	126.06	109.35
1	7M	66	ARG	CB-CA-C	8.44	126.06	109.35
2	7N	57	LYS	CG-CD-CE	-8.44	91.89	111.30
1	1A	84	ARG	CB-CA-C	8.44	127.21	110.42
1	1M	84	ARG	CB-CA-C	8.44	127.22	110.42
1	1E	84	ARG	CB-CA-C	8.44	127.21	110.42
1	1I	84	ARG	CB-CA-C	8.44	127.21	110.42
1	2I	84	ARG	CB-CA-C	8.44	127.22	110.42
1	3A	84	ARG	CB-CA-C	8.44	127.22	110.42
1	3I	84	ARG	CB-CA-C	8.44	127.22	110.42
1	32	84	ARG	CB-CA-C	8.44	127.22	110.42
1	5U	84	ARG	CB-CA-C	8.44	127.22	110.42
1	7Q	84	ARG	CB-CA-C	8.44	127.22	110.42
1	1Q	66	ARG	CB-CA-C	8.44	126.06	109.35
1	1U	66	ARG	CB-CA-C	8.44	126.06	109.35
1	1Y	66	ARG	CB-CA-C	8.44	126.06	109.35
1	2E	84	ARG	CB-CA-C	8.44	127.21	110.42
1	4E	84	ARG	CB-CA-C	8.44	127.22	110.42
1	4Y	84	ARG	CB-CA-C	8.44	127.22	110.42
1	2M	84	ARG	CB-CA-C	8.44	127.21	110.42
1	2Q	66	ARG	CB-CA-C	8.44	126.06	109.35
1	2U	66	ARG	CB-CA-C	8.44	126.06	109.35
1	2Y	66	ARG	CB-CA-C	8.44	126.06	109.35
1	22	84	ARG	CB-CA-C	8.44	127.21	110.42
1	26	84	ARG	CB-CA-C	8.44	127.21	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	84	ARG	CB-CA-C	8.44	127.21	110.42
1	6U	84	ARG	CB-CA-C	8.44	127.22	110.42
1	3M	84	ARG	CB-CA-C	8.44	127.21	110.42
1	36	84	ARG	CB-CA-C	8.44	127.21	110.42
1	4A	84	ARG	CB-CA-C	8.44	127.21	110.42
1	4I	84	ARG	CB-CA-C	8.44	127.21	110.42
1	4M	84	ARG	CB-CA-C	8.44	127.21	110.42
1	4Q	84	ARG	CB-CA-C	8.44	127.21	110.42
1	4U	84	ARG	CB-CA-C	8.44	127.21	110.42
1	42	66	ARG	CB-CA-C	8.44	126.06	109.35
1	46	66	ARG	CB-CA-C	8.44	126.06	109.35
1	5A	66	ARG	CB-CA-C	8.44	126.06	109.35
1	5Q	84	ARG	CB-CA-C	8.44	127.21	110.42
1	6M	84	ARG	CB-CA-C	8.44	127.22	110.42
1	5Y	84	ARG	CB-CA-C	8.44	127.21	110.42
1	52	66	ARG	CB-CA-C	8.44	126.06	109.35
1	56	66	ARG	CB-CA-C	8.44	126.06	109.35
1	6A	66	ARG	CB-CA-C	8.44	126.06	109.35
1	6E	84	ARG	CB-CA-C	8.44	127.21	110.42
1	6I	84	ARG	CB-CA-C	8.44	127.21	110.42
1	6Q	84	ARG	CB-CA-C	8.44	127.21	110.42
1	7E	84	ARG	CB-CA-C	8.44	127.22	110.42
1	6Y	84	ARG	CB-CA-C	8.44	127.21	110.42
1	7I	84	ARG	CB-CA-C	8.44	127.21	110.42
1	7M	84	ARG	CB-CA-C	8.44	127.21	110.42
1	7U	84	ARG	CB-CA-C	8.44	127.21	110.42
1	1Q	84	ARG	CB-CA-C	8.44	127.21	110.42
1	1U	84	ARG	CB-CA-C	8.44	127.21	110.42
1	1Y	84	ARG	CB-CA-C	8.44	127.21	110.42
1	2Q	84	ARG	CB-CA-C	8.44	127.21	110.42
1	2U	84	ARG	CB-CA-C	8.44	127.21	110.42
1	2Y	84	ARG	CB-CA-C	8.44	127.21	110.42
1	42	84	ARG	CB-CA-C	8.44	127.21	110.42
1	46	84	ARG	CB-CA-C	8.44	127.21	110.42
1	5A	84	ARG	CB-CA-C	8.44	127.21	110.42
1	52	84	ARG	CB-CA-C	8.44	127.21	110.42
1	56	84	ARG	CB-CA-C	8.44	127.21	110.42
1	6A	84	ARG	CB-CA-C	8.44	127.21	110.42
1	1A	30	PHE	CE1-CZ-CE2	-8.43	104.82	120.00
1	1I	30	PHE	CE1-CZ-CE2	-8.43	104.82	120.00
1	2E	30	PHE	CE1-CZ-CE2	-8.43	104.82	120.00
1	26	30	PHE	CE1-CZ-CE2	-8.43	104.82	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	30	PHE	CE1-CZ-CE2	-8.43	104.82	120.00
1	4A	30	PHE	CE1-CZ-CE2	-8.43	104.82	120.00
1	4M	30	PHE	CE1-CZ-CE2	-8.43	104.82	120.00
1	4U	30	PHE	CE1-CZ-CE2	-8.43	104.82	120.00
1	5Q	30	PHE	CE1-CZ-CE2	-8.43	104.82	120.00
1	6I	30	PHE	CE1-CZ-CE2	-8.43	104.82	120.00
1	6Q	30	PHE	CE1-CZ-CE2	-8.43	104.82	120.00
1	7M	30	PHE	CE1-CZ-CE2	-8.43	104.82	120.00
1	1Q	30	PHE	CE1-CZ-CE2	-8.43	104.83	120.00
1	1U	30	PHE	CE1-CZ-CE2	-8.43	104.83	120.00
1	1Y	30	PHE	CE1-CZ-CE2	-8.43	104.83	120.00
1	2Q	30	PHE	CE1-CZ-CE2	-8.43	104.83	120.00
1	2U	30	PHE	CE1-CZ-CE2	-8.43	104.83	120.00
1	2Y	30	PHE	CE1-CZ-CE2	-8.43	104.83	120.00
1	42	30	PHE	CE1-CZ-CE2	-8.43	104.83	120.00
1	46	30	PHE	CE1-CZ-CE2	-8.43	104.83	120.00
1	5A	30	PHE	CE1-CZ-CE2	-8.43	104.83	120.00
1	52	30	PHE	CE1-CZ-CE2	-8.43	104.83	120.00
1	56	30	PHE	CE1-CZ-CE2	-8.43	104.83	120.00
1	6A	30	PHE	CE1-CZ-CE2	-8.43	104.83	120.00
1	1E	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	2M	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	22	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	3M	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	36	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	4I	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	4Q	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	5Y	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	6E	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	6Y	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	7I	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	7U	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	1M	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	12	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	16	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	2A	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	2I	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	3A	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	3I	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	3Q	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	3U	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	3Y	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	4E	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	4Y	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	5E	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	5I	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	5M	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	5U	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	6M	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	6U	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	62	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	66	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	7A	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	7E	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
1	7Q	30	PHE	CE1-CZ-CE2	-8.42	104.84	120.00
2	1B	77	THR	CA-CB-OG1	8.41	122.22	109.60
2	1F	45	ALA	CA-C-N	8.41	131.38	120.44
2	1F	45	ALA	C-N-CA	8.41	131.38	120.44
2	1J	77	THR	CA-CB-OG1	8.41	122.22	109.60
2	2F	77	THR	CA-CB-OG1	8.41	122.22	109.60
2	2N	45	ALA	CA-C-N	8.41	131.38	120.44
2	2N	45	ALA	C-N-CA	8.41	131.38	120.44
2	23	45	ALA	CA-C-N	8.41	131.38	120.44
2	23	45	ALA	C-N-CA	8.41	131.38	120.44
2	27	77	THR	CA-CB-OG1	8.41	122.22	109.60
2	3F	77	THR	CA-CB-OG1	8.41	122.22	109.60
2	3N	45	ALA	CA-C-N	8.41	131.38	120.44
2	3N	45	ALA	C-N-CA	8.41	131.38	120.44
2	37	45	ALA	CA-C-N	8.41	131.38	120.44
2	37	45	ALA	C-N-CA	8.41	131.38	120.44
2	4B	77	THR	CA-CB-OG1	8.41	122.22	109.60
2	4J	45	ALA	CA-C-N	8.41	131.38	120.44
2	4J	45	ALA	C-N-CA	8.41	131.38	120.44
2	4N	77	THR	CA-CB-OG1	8.41	122.22	109.60
2	4R	45	ALA	CA-C-N	8.41	131.38	120.44
2	4R	45	ALA	C-N-CA	8.41	131.38	120.44
2	4V	77	THR	CA-CB-OG1	8.41	122.22	109.60
2	5R	77	THR	CA-CB-OG1	8.41	122.22	109.60
2	5Z	45	ALA	CA-C-N	8.41	131.38	120.44
2	5Z	45	ALA	C-N-CA	8.41	131.38	120.44
2	6F	45	ALA	CA-C-N	8.41	131.38	120.44
2	6F	45	ALA	C-N-CA	8.41	131.38	120.44
2	6J	77	THR	CA-CB-OG1	8.41	122.22	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	77	THR	CA-CB-OG1	8.41	122.22	109.60
2	6Z	45	ALA	CA-C-N	8.41	131.38	120.44
2	6Z	45	ALA	C-N-CA	8.41	131.38	120.44
2	7J	45	ALA	CA-C-N	8.41	131.38	120.44
2	7J	45	ALA	C-N-CA	8.41	131.38	120.44
2	7N	77	THR	CA-CB-OG1	8.41	122.22	109.60
2	7V	45	ALA	CA-C-N	8.41	131.38	120.44
2	7V	45	ALA	C-N-CA	8.41	131.38	120.44
2	1B	45	ALA	CA-C-N	8.41	131.37	120.44
2	1B	45	ALA	C-N-CA	8.41	131.37	120.44
2	1J	45	ALA	CA-C-N	8.41	131.37	120.44
2	1J	45	ALA	C-N-CA	8.41	131.37	120.44
2	2F	45	ALA	CA-C-N	8.41	131.37	120.44
2	2F	45	ALA	C-N-CA	8.41	131.37	120.44
2	27	45	ALA	CA-C-N	8.41	131.37	120.44
2	27	45	ALA	C-N-CA	8.41	131.37	120.44
2	3F	45	ALA	CA-C-N	8.41	131.37	120.44
2	3F	45	ALA	C-N-CA	8.41	131.37	120.44
2	4B	45	ALA	CA-C-N	8.41	131.37	120.44
2	4B	45	ALA	C-N-CA	8.41	131.37	120.44
2	4N	45	ALA	CA-C-N	8.41	131.37	120.44
2	4N	45	ALA	C-N-CA	8.41	131.37	120.44
2	4V	45	ALA	CA-C-N	8.41	131.37	120.44
2	4V	45	ALA	C-N-CA	8.41	131.37	120.44
2	5R	45	ALA	CA-C-N	8.41	131.37	120.44
2	5R	45	ALA	C-N-CA	8.41	131.37	120.44
2	6J	45	ALA	CA-C-N	8.41	131.37	120.44
2	6J	45	ALA	C-N-CA	8.41	131.37	120.44
2	6R	45	ALA	CA-C-N	8.41	131.37	120.44
2	6R	45	ALA	C-N-CA	8.41	131.37	120.44
2	7N	45	ALA	CA-C-N	8.41	131.37	120.44
2	7N	45	ALA	C-N-CA	8.41	131.37	120.44
2	13	77	THR	CA-CB-OG1	8.41	122.21	109.60
2	17	77	THR	CA-CB-OG1	8.41	122.21	109.60
2	2B	77	THR	CA-CB-OG1	8.41	122.21	109.60
2	3R	77	THR	CA-CB-OG1	8.41	122.21	109.60
2	3V	77	THR	CA-CB-OG1	8.41	122.21	109.60
2	3Z	77	THR	CA-CB-OG1	8.41	122.21	109.60
2	5F	77	THR	CA-CB-OG1	8.41	122.21	109.60
2	5J	77	THR	CA-CB-OG1	8.41	122.21	109.60
2	5N	77	THR	CA-CB-OG1	8.41	122.21	109.60
2	63	77	THR	CA-CB-OG1	8.41	122.21	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	77	THR	CA-CB-OG1	8.41	122.21	109.60
2	7B	77	THR	CA-CB-OG1	8.41	122.21	109.60
2	1B	70	TRP	NE1-CE2-CD2	-8.40	96.47	107.40
2	1J	70	TRP	NE1-CE2-CD2	-8.40	96.47	107.40
2	1R	77	THR	CA-CB-OG1	8.40	122.21	109.60
2	1V	77	THR	CA-CB-OG1	8.40	122.21	109.60
2	1Z	77	THR	CA-CB-OG1	8.40	122.21	109.60
2	2F	70	TRP	NE1-CE2-CD2	-8.40	96.47	107.40
2	2R	77	THR	CA-CB-OG1	8.40	122.21	109.60
2	2V	77	THR	CA-CB-OG1	8.40	122.21	109.60
2	2Z	77	THR	CA-CB-OG1	8.40	122.21	109.60
2	27	70	TRP	NE1-CE2-CD2	-8.40	96.47	107.40
2	3F	70	TRP	NE1-CE2-CD2	-8.40	96.47	107.40
2	4B	70	TRP	NE1-CE2-CD2	-8.40	96.47	107.40
2	4N	70	TRP	NE1-CE2-CD2	-8.40	96.47	107.40
2	4V	70	TRP	NE1-CE2-CD2	-8.40	96.47	107.40
2	43	77	THR	CA-CB-OG1	8.40	122.21	109.60
2	47	77	THR	CA-CB-OG1	8.40	122.21	109.60
2	5B	77	THR	CA-CB-OG1	8.40	122.21	109.60
2	5R	70	TRP	NE1-CE2-CD2	-8.40	96.47	107.40
2	53	77	THR	CA-CB-OG1	8.40	122.21	109.60
2	57	77	THR	CA-CB-OG1	8.40	122.21	109.60
2	6B	77	THR	CA-CB-OG1	8.40	122.21	109.60
2	6J	70	TRP	NE1-CE2-CD2	-8.40	96.47	107.40
2	6R	70	TRP	NE1-CE2-CD2	-8.40	96.47	107.40
2	7N	70	TRP	NE1-CE2-CD2	-8.40	96.47	107.40
2	1N	45	ALA	CA-C-N	8.40	131.36	120.44
2	1N	45	ALA	C-N-CA	8.40	131.36	120.44
2	2J	45	ALA	CA-C-N	8.40	131.36	120.44
2	2J	45	ALA	C-N-CA	8.40	131.36	120.44
2	3B	45	ALA	CA-C-N	8.40	131.36	120.44
2	3B	45	ALA	C-N-CA	8.40	131.36	120.44
2	3J	45	ALA	CA-C-N	8.40	131.36	120.44
2	3J	45	ALA	C-N-CA	8.40	131.36	120.44
2	33	45	ALA	CA-C-N	8.40	131.36	120.44
2	33	45	ALA	C-N-CA	8.40	131.36	120.44
2	4F	45	ALA	CA-C-N	8.40	131.36	120.44
2	4F	45	ALA	C-N-CA	8.40	131.36	120.44
2	4Z	45	ALA	CA-C-N	8.40	131.36	120.44
2	4Z	45	ALA	C-N-CA	8.40	131.36	120.44
2	5V	45	ALA	CA-C-N	8.40	131.36	120.44
2	5V	45	ALA	C-N-CA	8.40	131.36	120.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6N	45	ALA	CA-C-N	8.40	131.36	120.44
2	6N	45	ALA	C-N-CA	8.40	131.36	120.44
2	6V	45	ALA	CA-C-N	8.40	131.36	120.44
2	6V	45	ALA	C-N-CA	8.40	131.36	120.44
2	7F	45	ALA	CA-C-N	8.40	131.36	120.44
2	7F	45	ALA	C-N-CA	8.40	131.36	120.44
2	7R	45	ALA	CA-C-N	8.40	131.36	120.44
2	7R	45	ALA	C-N-CA	8.40	131.36	120.44
2	1R	45	ALA	CA-C-N	8.40	131.36	120.44
2	1R	45	ALA	C-N-CA	8.40	131.36	120.44
2	1V	45	ALA	CA-C-N	8.40	131.36	120.44
2	1V	45	ALA	C-N-CA	8.40	131.36	120.44
2	1Z	45	ALA	CA-C-N	8.40	131.36	120.44
2	1Z	45	ALA	C-N-CA	8.40	131.36	120.44
2	2R	45	ALA	CA-C-N	8.40	131.36	120.44
2	2R	45	ALA	C-N-CA	8.40	131.36	120.44
2	2V	45	ALA	CA-C-N	8.40	131.36	120.44
2	2V	45	ALA	C-N-CA	8.40	131.36	120.44
2	2Z	45	ALA	CA-C-N	8.40	131.36	120.44
2	2Z	45	ALA	C-N-CA	8.40	131.36	120.44
2	43	45	ALA	CA-C-N	8.40	131.36	120.44
2	43	45	ALA	C-N-CA	8.40	131.36	120.44
2	47	45	ALA	CA-C-N	8.40	131.36	120.44
2	47	45	ALA	C-N-CA	8.40	131.36	120.44
2	5B	45	ALA	CA-C-N	8.40	131.36	120.44
2	5B	45	ALA	C-N-CA	8.40	131.36	120.44
2	53	45	ALA	CA-C-N	8.40	131.36	120.44
2	53	45	ALA	C-N-CA	8.40	131.36	120.44
2	57	45	ALA	CA-C-N	8.40	131.36	120.44
2	57	45	ALA	C-N-CA	8.40	131.36	120.44
2	6B	45	ALA	CA-C-N	8.40	131.36	120.44
2	6B	45	ALA	C-N-CA	8.40	131.36	120.44
2	1N	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	13	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	17	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	2B	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	2J	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	3B	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	3J	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	3R	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	3V	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	3Z	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	4F	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	4Z	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	5F	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	5J	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	5N	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	5V	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	6N	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	6V	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	63	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	67	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	7B	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	7F	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	7R	70	TRP	NE1-CE2-CD2	-8.39	96.49	107.40
2	13	45	ALA	CA-C-N	8.39	131.35	120.44
2	13	45	ALA	C-N-CA	8.39	131.35	120.44
2	17	45	ALA	CA-C-N	8.39	131.35	120.44
2	17	45	ALA	C-N-CA	8.39	131.35	120.44
2	2B	45	ALA	CA-C-N	8.39	131.35	120.44
2	2B	45	ALA	C-N-CA	8.39	131.35	120.44
2	3R	45	ALA	CA-C-N	8.39	131.35	120.44
2	3R	45	ALA	C-N-CA	8.39	131.35	120.44
2	3V	45	ALA	CA-C-N	8.39	131.35	120.44
2	3V	45	ALA	C-N-CA	8.39	131.35	120.44
2	3Z	45	ALA	CA-C-N	8.39	131.35	120.44
2	3Z	45	ALA	C-N-CA	8.39	131.35	120.44
2	5F	45	ALA	CA-C-N	8.39	131.35	120.44
2	5F	45	ALA	C-N-CA	8.39	131.35	120.44
2	5J	45	ALA	CA-C-N	8.39	131.35	120.44
2	5J	45	ALA	C-N-CA	8.39	131.35	120.44
2	5N	45	ALA	CA-C-N	8.39	131.35	120.44
2	5N	45	ALA	C-N-CA	8.39	131.35	120.44
2	63	45	ALA	CA-C-N	8.39	131.35	120.44
2	63	45	ALA	C-N-CA	8.39	131.35	120.44
2	67	45	ALA	CA-C-N	8.39	131.35	120.44
2	67	45	ALA	C-N-CA	8.39	131.35	120.44
2	7B	45	ALA	CA-C-N	8.39	131.35	120.44
2	7B	45	ALA	C-N-CA	8.39	131.35	120.44
2	1F	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	1R	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	1V	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	1Z	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	2R	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	2V	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	2Z	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	23	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	3N	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	37	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	4J	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	4R	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	43	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	47	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	5B	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	5Z	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	53	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	57	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	6B	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	6F	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	6Z	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	7J	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	7V	70	TRP	NE1-CE2-CD2	-8.39	96.50	107.40
2	1F	77	THR	CA-CB-OG1	8.38	122.17	109.60
2	2N	77	THR	CA-CB-OG1	8.38	122.17	109.60
2	23	77	THR	CA-CB-OG1	8.38	122.17	109.60
2	3N	77	THR	CA-CB-OG1	8.38	122.17	109.60
2	37	77	THR	CA-CB-OG1	8.38	122.17	109.60
2	4J	77	THR	CA-CB-OG1	8.38	122.17	109.60
2	4R	77	THR	CA-CB-OG1	8.38	122.17	109.60
2	5Z	77	THR	CA-CB-OG1	8.38	122.17	109.60
2	6F	77	THR	CA-CB-OG1	8.38	122.17	109.60
2	6Z	77	THR	CA-CB-OG1	8.38	122.17	109.60
2	7J	77	THR	CA-CB-OG1	8.38	122.17	109.60
2	7V	77	THR	CA-CB-OG1	8.38	122.17	109.60
2	1R	208	SER	CB-CA-C	-8.37	95.31	109.38
2	1V	208	SER	CB-CA-C	-8.37	95.31	109.38
2	1Z	208	SER	CB-CA-C	-8.37	95.31	109.38
2	2R	208	SER	CB-CA-C	-8.37	95.31	109.38
2	2V	208	SER	CB-CA-C	-8.37	95.31	109.38
2	2Z	208	SER	CB-CA-C	-8.37	95.31	109.38
2	43	208	SER	CB-CA-C	-8.37	95.31	109.38
2	47	208	SER	CB-CA-C	-8.37	95.31	109.38
2	5B	208	SER	CB-CA-C	-8.37	95.31	109.38
2	53	208	SER	CB-CA-C	-8.37	95.31	109.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	208	SER	CB-CA-C	-8.37	95.31	109.38
2	6B	208	SER	CB-CA-C	-8.37	95.31	109.38
2	13	208	SER	CB-CA-C	-8.37	95.31	109.38
2	17	208	SER	CB-CA-C	-8.37	95.31	109.38
2	2B	208	SER	CB-CA-C	-8.37	95.31	109.38
2	3R	208	SER	CB-CA-C	-8.37	95.31	109.38
2	3V	208	SER	CB-CA-C	-8.37	95.31	109.38
2	3Z	208	SER	CB-CA-C	-8.37	95.31	109.38
2	5F	208	SER	CB-CA-C	-8.37	95.31	109.38
2	5J	208	SER	CB-CA-C	-8.37	95.31	109.38
2	5N	208	SER	CB-CA-C	-8.37	95.31	109.38
2	63	208	SER	CB-CA-C	-8.37	95.31	109.38
2	67	208	SER	CB-CA-C	-8.37	95.31	109.38
2	7B	208	SER	CB-CA-C	-8.37	95.31	109.38
2	1N	208	SER	CB-CA-C	-8.37	95.32	109.38
2	2J	208	SER	CB-CA-C	-8.37	95.32	109.38
2	3B	208	SER	CB-CA-C	-8.37	95.32	109.38
2	3J	208	SER	CB-CA-C	-8.37	95.32	109.38
2	33	208	SER	CB-CA-C	-8.37	95.32	109.38
2	4F	208	SER	CB-CA-C	-8.37	95.32	109.38
2	4Z	208	SER	CB-CA-C	-8.37	95.32	109.38
2	5V	208	SER	CB-CA-C	-8.37	95.32	109.38
2	6N	208	SER	CB-CA-C	-8.37	95.32	109.38
2	6V	208	SER	CB-CA-C	-8.37	95.32	109.38
2	7F	208	SER	CB-CA-C	-8.37	95.32	109.38
2	7R	208	SER	CB-CA-C	-8.37	95.32	109.38
1	1E	12	MET	CA-C-N	-8.37	105.56	121.54
1	1E	12	MET	C-N-CA	-8.37	105.56	121.54
1	2M	12	MET	CA-C-N	-8.37	105.56	121.54
1	2M	12	MET	C-N-CA	-8.37	105.56	121.54
1	22	12	MET	CA-C-N	-8.37	105.56	121.54
1	22	12	MET	C-N-CA	-8.37	105.56	121.54
1	3M	12	MET	CA-C-N	-8.37	105.56	121.54
1	3M	12	MET	C-N-CA	-8.37	105.56	121.54
1	36	12	MET	CA-C-N	-8.37	105.56	121.54
1	36	12	MET	C-N-CA	-8.37	105.56	121.54
1	4I	12	MET	CA-C-N	-8.37	105.56	121.54
1	4I	12	MET	C-N-CA	-8.37	105.56	121.54
1	4Q	12	MET	CA-C-N	-8.37	105.56	121.54
1	4Q	12	MET	C-N-CA	-8.37	105.56	121.54
1	5Y	12	MET	CA-C-N	-8.37	105.56	121.54
1	5Y	12	MET	C-N-CA	-8.37	105.56	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6E	12	MET	CA-C-N	-8.37	105.56	121.54
1	6E	12	MET	C-N-CA	-8.37	105.56	121.54
1	6Y	12	MET	CA-C-N	-8.37	105.56	121.54
1	6Y	12	MET	C-N-CA	-8.37	105.56	121.54
1	7I	12	MET	CA-C-N	-8.37	105.56	121.54
1	7I	12	MET	C-N-CA	-8.37	105.56	121.54
1	7U	12	MET	CA-C-N	-8.37	105.56	121.54
1	7U	12	MET	C-N-CA	-8.37	105.56	121.54
1	1M	25	ASP	N-CA-C	8.36	128.62	110.80
1	2I	25	ASP	N-CA-C	8.36	128.62	110.80
1	3A	25	ASP	N-CA-C	8.36	128.62	110.80
1	3I	25	ASP	N-CA-C	8.36	128.62	110.80
1	32	25	ASP	N-CA-C	8.36	128.62	110.80
1	4E	25	ASP	N-CA-C	8.36	128.62	110.80
1	4Y	25	ASP	N-CA-C	8.36	128.62	110.80
1	5U	25	ASP	N-CA-C	8.36	128.62	110.80
1	6M	25	ASP	N-CA-C	8.36	128.62	110.80
1	6U	25	ASP	N-CA-C	8.36	128.62	110.80
1	7E	25	ASP	N-CA-C	8.36	128.62	110.80
1	7Q	25	ASP	N-CA-C	8.36	128.62	110.80
2	1F	208	SER	CB-CA-C	-8.36	95.34	109.38
2	2N	208	SER	CB-CA-C	-8.36	95.34	109.38
2	23	208	SER	CB-CA-C	-8.36	95.34	109.38
2	3N	208	SER	CB-CA-C	-8.36	95.34	109.38
2	37	208	SER	CB-CA-C	-8.36	95.34	109.38
2	4J	208	SER	CB-CA-C	-8.36	95.34	109.38
2	4R	208	SER	CB-CA-C	-8.36	95.34	109.38
2	5Z	208	SER	CB-CA-C	-8.36	95.34	109.38
2	6F	208	SER	CB-CA-C	-8.36	95.34	109.38
2	6Z	208	SER	CB-CA-C	-8.36	95.34	109.38
2	7J	208	SER	CB-CA-C	-8.36	95.34	109.38
2	7V	208	SER	CB-CA-C	-8.36	95.34	109.38
2	1B	208	SER	CB-CA-C	-8.36	95.34	109.38
2	1J	208	SER	CB-CA-C	-8.36	95.34	109.38
2	2F	208	SER	CB-CA-C	-8.36	95.34	109.38
2	27	208	SER	CB-CA-C	-8.36	95.34	109.38
2	3F	208	SER	CB-CA-C	-8.36	95.34	109.38
2	4B	208	SER	CB-CA-C	-8.36	95.34	109.38
2	4N	208	SER	CB-CA-C	-8.36	95.34	109.38
2	4V	208	SER	CB-CA-C	-8.36	95.34	109.38
2	5R	208	SER	CB-CA-C	-8.36	95.34	109.38
2	6J	208	SER	CB-CA-C	-8.36	95.34	109.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	208	SER	CB-CA-C	-8.36	95.34	109.38
2	7N	208	SER	CB-CA-C	-8.36	95.34	109.38
1	12	43	HIS	N-CA-CB	-8.35	96.38	110.49
1	16	43	HIS	N-CA-CB	-8.35	96.38	110.49
1	2A	43	HIS	N-CA-CB	-8.35	96.38	110.49
1	3Q	43	HIS	N-CA-CB	-8.35	96.38	110.49
1	3U	43	HIS	N-CA-CB	-8.35	96.38	110.49
1	3Y	43	HIS	N-CA-CB	-8.35	96.38	110.49
1	5E	43	HIS	N-CA-CB	-8.35	96.38	110.49
1	5I	43	HIS	N-CA-CB	-8.35	96.38	110.49
1	5M	43	HIS	N-CA-CB	-8.35	96.38	110.49
1	62	43	HIS	N-CA-CB	-8.35	96.38	110.49
1	66	43	HIS	N-CA-CB	-8.35	96.38	110.49
1	7A	43	HIS	N-CA-CB	-8.35	96.38	110.49
1	1M	12	MET	CA-C-N	-8.35	105.60	121.54
1	1M	12	MET	C-N-CA	-8.35	105.60	121.54
1	12	25	ASP	N-CA-C	8.35	128.58	110.80
1	16	25	ASP	N-CA-C	8.35	128.58	110.80
1	2A	25	ASP	N-CA-C	8.35	128.58	110.80
1	2I	12	MET	CA-C-N	-8.35	105.60	121.54
1	2I	12	MET	C-N-CA	-8.35	105.60	121.54
1	3A	12	MET	CA-C-N	-8.35	105.60	121.54
1	3A	12	MET	C-N-CA	-8.35	105.60	121.54
1	3I	12	MET	CA-C-N	-8.35	105.60	121.54
1	3I	12	MET	C-N-CA	-8.35	105.60	121.54
1	3Q	25	ASP	N-CA-C	8.35	128.58	110.80
1	3U	25	ASP	N-CA-C	8.35	128.58	110.80
1	3Y	25	ASP	N-CA-C	8.35	128.58	110.80
1	32	12	MET	CA-C-N	-8.35	105.60	121.54
1	32	12	MET	C-N-CA	-8.35	105.60	121.54
1	4E	12	MET	CA-C-N	-8.35	105.60	121.54
1	4E	12	MET	C-N-CA	-8.35	105.60	121.54
1	4Y	12	MET	CA-C-N	-8.35	105.60	121.54
1	4Y	12	MET	C-N-CA	-8.35	105.60	121.54
1	5E	25	ASP	N-CA-C	8.35	128.58	110.80
1	5I	25	ASP	N-CA-C	8.35	128.58	110.80
1	5M	25	ASP	N-CA-C	8.35	128.58	110.80
1	5U	12	MET	CA-C-N	-8.35	105.60	121.54
1	5U	12	MET	C-N-CA	-8.35	105.60	121.54
1	6M	12	MET	CA-C-N	-8.35	105.60	121.54
1	6M	12	MET	C-N-CA	-8.35	105.60	121.54
1	6U	12	MET	CA-C-N	-8.35	105.60	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6U	12	MET	C-N-CA	-8.35	105.60	121.54
1	62	25	ASP	N-CA-C	8.35	128.58	110.80
1	66	25	ASP	N-CA-C	8.35	128.58	110.80
1	7A	25	ASP	N-CA-C	8.35	128.58	110.80
1	7E	12	MET	CA-C-N	-8.35	105.60	121.54
1	7E	12	MET	C-N-CA	-8.35	105.60	121.54
1	7Q	12	MET	CA-C-N	-8.35	105.60	121.54
1	7Q	12	MET	C-N-CA	-8.35	105.60	121.54
1	1Q	25	ASP	N-CA-C	8.34	128.57	110.80
1	1U	25	ASP	N-CA-C	8.34	128.57	110.80
1	1Y	25	ASP	N-CA-C	8.34	128.57	110.80
1	2Y	25	ASP	N-CA-C	8.34	128.57	110.80
1	52	25	ASP	N-CA-C	8.34	128.57	110.80
1	1A	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	1I	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	12	12	MET	CA-C-N	-8.34	105.61	121.54
1	12	12	MET	C-N-CA	-8.34	105.61	121.54
1	16	12	MET	CA-C-N	-8.34	105.61	121.54
1	16	12	MET	C-N-CA	-8.34	105.61	121.54
1	2A	12	MET	CA-C-N	-8.34	105.61	121.54
1	2A	12	MET	C-N-CA	-8.34	105.61	121.54
1	2Q	25	ASP	N-CA-C	8.34	128.57	110.80
1	2U	25	ASP	N-CA-C	8.34	128.57	110.80
1	2E	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	26	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	3E	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	3Q	12	MET	CA-C-N	-8.34	105.61	121.54
1	3Q	12	MET	C-N-CA	-8.34	105.61	121.54
1	3U	12	MET	CA-C-N	-8.34	105.61	121.54
1	3U	12	MET	C-N-CA	-8.34	105.61	121.54
1	3Y	12	MET	CA-C-N	-8.34	105.61	121.54
1	3Y	12	MET	C-N-CA	-8.34	105.61	121.54
1	42	25	ASP	N-CA-C	8.34	128.57	110.80
1	46	25	ASP	N-CA-C	8.34	128.57	110.80
1	5A	25	ASP	N-CA-C	8.34	128.57	110.80
1	4A	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	4M	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	4U	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	5E	12	MET	CA-C-N	-8.34	105.61	121.54
1	5E	12	MET	C-N-CA	-8.34	105.61	121.54
1	5I	12	MET	CA-C-N	-8.34	105.61	121.54
1	5I	12	MET	C-N-CA	-8.34	105.61	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	12	MET	CA-C-N	-8.34	105.61	121.54
1	5M	12	MET	C-N-CA	-8.34	105.61	121.54
1	56	25	ASP	N-CA-C	8.34	128.57	110.80
1	6A	25	ASP	N-CA-C	8.34	128.57	110.80
1	5Q	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	6I	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	6Q	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	62	12	MET	CA-C-N	-8.34	105.61	121.54
1	62	12	MET	C-N-CA	-8.34	105.61	121.54
1	66	12	MET	CA-C-N	-8.34	105.61	121.54
1	66	12	MET	C-N-CA	-8.34	105.61	121.54
1	7A	12	MET	CA-C-N	-8.34	105.61	121.54
1	7A	12	MET	C-N-CA	-8.34	105.61	121.54
1	7M	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	1A	25	ASP	N-CA-C	8.34	128.57	110.80
1	1I	25	ASP	N-CA-C	8.34	128.57	110.80
1	1Q	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	1U	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	1Y	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	2E	25	ASP	N-CA-C	8.34	128.57	110.80
1	2Q	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	2U	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	2Y	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	26	25	ASP	N-CA-C	8.34	128.57	110.80
1	3E	25	ASP	N-CA-C	8.34	128.57	110.80
1	4A	25	ASP	N-CA-C	8.34	128.57	110.80
1	4M	25	ASP	N-CA-C	8.34	128.57	110.80
1	4U	25	ASP	N-CA-C	8.34	128.57	110.80
1	42	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	46	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	5A	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	5Q	25	ASP	N-CA-C	8.34	128.57	110.80
1	52	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	56	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	6A	43	HIS	N-CA-CB	-8.34	96.39	110.49
1	6I	25	ASP	N-CA-C	8.34	128.57	110.80
1	6Q	25	ASP	N-CA-C	8.34	128.57	110.80
1	7M	25	ASP	N-CA-C	8.34	128.57	110.80
1	1M	43	HIS	N-CA-CB	-8.34	96.40	110.49
1	2I	43	HIS	N-CA-CB	-8.34	96.40	110.49
1	3A	43	HIS	N-CA-CB	-8.34	96.40	110.49
1	3I	43	HIS	N-CA-CB	-8.34	96.40	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	43	HIS	N-CA-CB	-8.34	96.40	110.49
1	4E	43	HIS	N-CA-CB	-8.34	96.40	110.49
1	4Y	43	HIS	N-CA-CB	-8.34	96.40	110.49
1	5U	43	HIS	N-CA-CB	-8.34	96.40	110.49
1	6M	43	HIS	N-CA-CB	-8.34	96.40	110.49
1	6U	43	HIS	N-CA-CB	-8.34	96.40	110.49
1	7E	43	HIS	N-CA-CB	-8.34	96.40	110.49
1	7Q	43	HIS	N-CA-CB	-8.34	96.40	110.49
1	1E	25	ASP	N-CA-C	8.34	128.56	110.80
1	1Q	12	MET	CA-C-N	-8.34	105.62	121.54
1	1Q	12	MET	C-N-CA	-8.34	105.62	121.54
1	1Q	80	PHE	CE1-CZ-CE2	-8.34	105.00	120.00
1	1U	12	MET	CA-C-N	-8.34	105.62	121.54
1	1U	12	MET	C-N-CA	-8.34	105.62	121.54
1	1U	80	PHE	CE1-CZ-CE2	-8.34	105.00	120.00
1	1Y	12	MET	CA-C-N	-8.34	105.62	121.54
1	1Y	12	MET	C-N-CA	-8.34	105.62	121.54
1	1Y	80	PHE	CE1-CZ-CE2	-8.34	105.00	120.00
1	2M	25	ASP	N-CA-C	8.34	128.56	110.80
1	2Q	12	MET	CA-C-N	-8.34	105.62	121.54
1	2Q	12	MET	C-N-CA	-8.34	105.62	121.54
1	2Q	80	PHE	CE1-CZ-CE2	-8.34	105.00	120.00
1	2U	12	MET	CA-C-N	-8.34	105.62	121.54
1	2U	12	MET	C-N-CA	-8.34	105.62	121.54
1	2U	80	PHE	CE1-CZ-CE2	-8.34	105.00	120.00
1	2Y	12	MET	CA-C-N	-8.34	105.62	121.54
1	2Y	12	MET	C-N-CA	-8.34	105.62	121.54
1	2Y	80	PHE	CE1-CZ-CE2	-8.34	105.00	120.00
1	22	25	ASP	N-CA-C	8.34	128.56	110.80
1	3M	25	ASP	N-CA-C	8.34	128.56	110.80
1	36	25	ASP	N-CA-C	8.34	128.56	110.80
1	4I	25	ASP	N-CA-C	8.34	128.56	110.80
1	4Q	25	ASP	N-CA-C	8.34	128.56	110.80
1	42	12	MET	CA-C-N	-8.34	105.62	121.54
1	42	12	MET	C-N-CA	-8.34	105.62	121.54
1	42	80	PHE	CE1-CZ-CE2	-8.34	105.00	120.00
1	46	12	MET	CA-C-N	-8.34	105.62	121.54
1	46	12	MET	C-N-CA	-8.34	105.62	121.54
1	46	80	PHE	CE1-CZ-CE2	-8.34	105.00	120.00
1	5A	12	MET	CA-C-N	-8.34	105.62	121.54
1	5A	12	MET	C-N-CA	-8.34	105.62	121.54
1	5A	80	PHE	CE1-CZ-CE2	-8.34	105.00	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	25	ASP	N-CA-C	8.34	128.56	110.80
1	52	12	MET	CA-C-N	-8.34	105.62	121.54
1	52	12	MET	C-N-CA	-8.34	105.62	121.54
1	52	80	PHE	CE1-CZ-CE2	-8.34	105.00	120.00
1	56	12	MET	CA-C-N	-8.34	105.62	121.54
1	56	12	MET	C-N-CA	-8.34	105.62	121.54
1	56	80	PHE	CE1-CZ-CE2	-8.34	105.00	120.00
1	6A	12	MET	CA-C-N	-8.34	105.62	121.54
1	6A	12	MET	C-N-CA	-8.34	105.62	121.54
1	6A	80	PHE	CE1-CZ-CE2	-8.34	105.00	120.00
1	6E	25	ASP	N-CA-C	8.34	128.56	110.80
1	6Y	25	ASP	N-CA-C	8.34	128.56	110.80
1	7I	25	ASP	N-CA-C	8.34	128.56	110.80
1	7U	25	ASP	N-CA-C	8.34	128.56	110.80
1	1A	12	MET	CA-C-N	-8.33	105.62	121.54
1	1A	12	MET	C-N-CA	-8.33	105.62	121.54
1	1I	12	MET	CA-C-N	-8.33	105.62	121.54
1	1I	12	MET	C-N-CA	-8.33	105.62	121.54
1	2E	12	MET	CA-C-N	-8.33	105.62	121.54
1	2E	12	MET	C-N-CA	-8.33	105.62	121.54
1	26	12	MET	CA-C-N	-8.33	105.62	121.54
1	26	12	MET	C-N-CA	-8.33	105.62	121.54
1	3E	12	MET	CA-C-N	-8.33	105.62	121.54
1	3E	12	MET	C-N-CA	-8.33	105.62	121.54
1	4A	12	MET	CA-C-N	-8.33	105.62	121.54
1	4A	12	MET	C-N-CA	-8.33	105.62	121.54
1	4M	12	MET	CA-C-N	-8.33	105.62	121.54
1	4M	12	MET	C-N-CA	-8.33	105.62	121.54
1	4U	12	MET	CA-C-N	-8.33	105.62	121.54
1	4U	12	MET	C-N-CA	-8.33	105.62	121.54
1	5Q	12	MET	CA-C-N	-8.33	105.62	121.54
1	5Q	12	MET	C-N-CA	-8.33	105.62	121.54
1	6I	12	MET	CA-C-N	-8.33	105.62	121.54
1	6I	12	MET	C-N-CA	-8.33	105.62	121.54
1	6Q	12	MET	CA-C-N	-8.33	105.62	121.54
1	6Q	12	MET	C-N-CA	-8.33	105.62	121.54
1	7M	12	MET	CA-C-N	-8.33	105.62	121.54
1	7M	12	MET	C-N-CA	-8.33	105.62	121.54
1	1M	80	PHE	CE1-CZ-CE2	-8.33	105.01	120.00
1	2I	80	PHE	CE1-CZ-CE2	-8.33	105.01	120.00
1	3A	80	PHE	CE1-CZ-CE2	-8.33	105.01	120.00
1	3I	80	PHE	CE1-CZ-CE2	-8.33	105.01	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	80	PHE	CE1-CZ-CE2	-8.33	105.01	120.00
1	4E	80	PHE	CE1-CZ-CE2	-8.33	105.01	120.00
1	4Y	80	PHE	CE1-CZ-CE2	-8.33	105.01	120.00
1	5U	80	PHE	CE1-CZ-CE2	-8.33	105.01	120.00
1	6M	80	PHE	CE1-CZ-CE2	-8.33	105.01	120.00
1	6U	80	PHE	CE1-CZ-CE2	-8.33	105.01	120.00
1	7E	80	PHE	CE1-CZ-CE2	-8.33	105.01	120.00
1	7Q	80	PHE	CE1-CZ-CE2	-8.33	105.01	120.00
1	1E	43	HIS	N-CA-CB	-8.32	96.42	110.49
1	12	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	16	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	2A	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	2M	43	HIS	N-CA-CB	-8.32	96.42	110.49
1	22	43	HIS	N-CA-CB	-8.32	96.42	110.49
1	3M	43	HIS	N-CA-CB	-8.32	96.42	110.49
1	3Q	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	3U	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	3Y	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	36	43	HIS	N-CA-CB	-8.32	96.42	110.49
1	4I	43	HIS	N-CA-CB	-8.32	96.42	110.49
1	4Q	43	HIS	N-CA-CB	-8.32	96.42	110.49
1	5E	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	5I	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	5M	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	5Y	43	HIS	N-CA-CB	-8.32	96.42	110.49
1	6E	43	HIS	N-CA-CB	-8.32	96.42	110.49
1	6Y	43	HIS	N-CA-CB	-8.32	96.42	110.49
1	62	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	66	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	7A	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	7I	43	HIS	N-CA-CB	-8.32	96.42	110.49
1	7U	43	HIS	N-CA-CB	-8.32	96.42	110.49
1	1A	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	1I	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	2E	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	26	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	3E	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	4A	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	4M	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	4U	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	5Q	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	6I	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	7M	80	PHE	CE1-CZ-CE2	-8.32	105.02	120.00
1	1E	80	PHE	CE1-CZ-CE2	-8.32	105.03	120.00
1	2M	80	PHE	CE1-CZ-CE2	-8.32	105.03	120.00
1	22	80	PHE	CE1-CZ-CE2	-8.32	105.03	120.00
1	3M	80	PHE	CE1-CZ-CE2	-8.32	105.03	120.00
1	36	80	PHE	CE1-CZ-CE2	-8.32	105.03	120.00
1	4I	80	PHE	CE1-CZ-CE2	-8.32	105.03	120.00
1	4Q	80	PHE	CE1-CZ-CE2	-8.32	105.03	120.00
1	5Y	80	PHE	CE1-CZ-CE2	-8.32	105.03	120.00
1	6E	80	PHE	CE1-CZ-CE2	-8.32	105.03	120.00
1	6Y	80	PHE	CE1-CZ-CE2	-8.32	105.03	120.00
1	7I	80	PHE	CE1-CZ-CE2	-8.32	105.03	120.00
1	7U	80	PHE	CE1-CZ-CE2	-8.32	105.03	120.00
2	1R	23	HIS	CB-CA-C	-8.28	93.85	110.17
2	1V	23	HIS	CB-CA-C	-8.28	93.85	110.17
2	1Z	23	HIS	CB-CA-C	-8.28	93.85	110.17
2	2R	23	HIS	CB-CA-C	-8.28	93.85	110.17
2	2V	23	HIS	CB-CA-C	-8.28	93.85	110.17
2	2Z	23	HIS	CB-CA-C	-8.28	93.85	110.17
2	43	23	HIS	CB-CA-C	-8.28	93.85	110.17
2	47	23	HIS	CB-CA-C	-8.28	93.85	110.17
2	5B	23	HIS	CB-CA-C	-8.28	93.85	110.17
2	53	23	HIS	CB-CA-C	-8.28	93.85	110.17
2	57	23	HIS	CB-CA-C	-8.28	93.85	110.17
2	6B	23	HIS	CB-CA-C	-8.28	93.85	110.17
1	1Q	156	SER	CA-CB-OG	8.28	127.66	111.10
1	1U	156	SER	CA-CB-OG	8.28	127.66	111.10
1	1Y	156	SER	CA-CB-OG	8.28	127.66	111.10
2	1N	172	TYR	N-CA-CB	8.28	124.40	111.24
2	13	23	HIS	CB-CA-C	-8.28	93.87	110.17
2	13	172	TYR	N-CA-CB	8.28	124.40	111.24
2	17	23	HIS	CB-CA-C	-8.28	93.87	110.17
2	17	172	TYR	N-CA-CB	8.28	124.40	111.24
2	2B	23	HIS	CB-CA-C	-8.28	93.87	110.17
2	2B	172	TYR	N-CA-CB	8.28	124.40	111.24
1	2Q	156	SER	CA-CB-OG	8.28	127.66	111.10
1	2U	156	SER	CA-CB-OG	8.28	127.66	111.10
1	2Y	156	SER	CA-CB-OG	8.28	127.66	111.10
2	3R	172	TYR	N-CA-CB	8.28	124.40	111.24
2	3V	172	TYR	N-CA-CB	8.28	124.40	111.24
1	42	156	SER	CA-CB-OG	8.28	127.66	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5J	172	TYR	N-CA-CB	8.28	124.40	111.24
1	6A	156	SER	CA-CB-OG	8.28	127.66	111.10
2	63	172	TYR	N-CA-CB	8.28	124.40	111.24
2	2J	172	TYR	N-CA-CB	8.28	124.40	111.24
2	3B	172	TYR	N-CA-CB	8.28	124.40	111.24
2	3J	172	TYR	N-CA-CB	8.28	124.40	111.24
2	3R	23	HIS	CB-CA-C	-8.28	93.87	110.17
2	3V	23	HIS	CB-CA-C	-8.28	93.87	110.17
2	3Z	23	HIS	CB-CA-C	-8.28	93.87	110.17
2	3Z	172	TYR	N-CA-CB	8.28	124.40	111.24
1	46	156	SER	CA-CB-OG	8.28	127.66	111.10
1	5A	156	SER	CA-CB-OG	8.28	127.66	111.10
1	52	156	SER	CA-CB-OG	8.28	127.66	111.10
2	7B	172	TYR	N-CA-CB	8.28	124.40	111.24
2	33	172	TYR	N-CA-CB	8.28	124.40	111.24
2	4F	172	TYR	N-CA-CB	8.28	124.40	111.24
2	4Z	172	TYR	N-CA-CB	8.28	124.40	111.24
2	5F	23	HIS	CB-CA-C	-8.28	93.87	110.17
2	5F	172	TYR	N-CA-CB	8.28	124.40	111.24
2	5J	23	HIS	CB-CA-C	-8.28	93.87	110.17
2	5N	23	HIS	CB-CA-C	-8.28	93.87	110.17
2	5N	172	TYR	N-CA-CB	8.28	124.40	111.24
1	56	156	SER	CA-CB-OG	8.28	127.66	111.10
2	5V	172	TYR	N-CA-CB	8.28	124.40	111.24
2	6N	172	TYR	N-CA-CB	8.28	124.40	111.24
2	6V	172	TYR	N-CA-CB	8.28	124.40	111.24
2	63	23	HIS	CB-CA-C	-8.28	93.87	110.17
2	67	23	HIS	CB-CA-C	-8.28	93.87	110.17
2	67	172	TYR	N-CA-CB	8.28	124.40	111.24
2	7B	23	HIS	CB-CA-C	-8.28	93.87	110.17
2	7F	172	TYR	N-CA-CB	8.28	124.40	111.24
2	7R	172	TYR	N-CA-CB	8.28	124.40	111.24
2	1F	23	HIS	CB-CA-C	-8.27	93.87	110.17
2	2N	23	HIS	CB-CA-C	-8.27	93.87	110.17
2	23	23	HIS	CB-CA-C	-8.27	93.87	110.17
2	3N	23	HIS	CB-CA-C	-8.27	93.87	110.17
2	37	23	HIS	CB-CA-C	-8.27	93.87	110.17
2	4J	23	HIS	CB-CA-C	-8.27	93.87	110.17
2	4R	23	HIS	CB-CA-C	-8.27	93.87	110.17
2	5Z	23	HIS	CB-CA-C	-8.27	93.87	110.17
2	6F	23	HIS	CB-CA-C	-8.27	93.87	110.17
2	6Z	23	HIS	CB-CA-C	-8.27	93.87	110.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	23	HIS	CB-CA-C	-8.27	93.87	110.17
2	7V	23	HIS	CB-CA-C	-8.27	93.87	110.17
2	1N	23	HIS	CB-CA-C	-8.27	93.88	110.17
1	12	80	PHE	CB-CG-CD2	8.27	134.75	120.70
1	16	80	PHE	CB-CG-CD2	8.27	134.75	120.70
1	2A	80	PHE	CB-CG-CD2	8.27	134.75	120.70
2	2J	23	HIS	CB-CA-C	-8.27	93.88	110.17
2	3B	23	HIS	CB-CA-C	-8.27	93.88	110.17
2	3J	23	HIS	CB-CA-C	-8.27	93.88	110.17
1	3Q	80	PHE	CB-CG-CD2	8.27	134.75	120.70
1	3U	80	PHE	CB-CG-CD2	8.27	134.75	120.70
1	3Y	80	PHE	CB-CG-CD2	8.27	134.75	120.70
2	33	23	HIS	CB-CA-C	-8.27	93.88	110.17
2	4F	23	HIS	CB-CA-C	-8.27	93.88	110.17
2	4Z	23	HIS	CB-CA-C	-8.27	93.88	110.17
1	5E	80	PHE	CB-CG-CD2	8.27	134.75	120.70
1	5I	80	PHE	CB-CG-CD2	8.27	134.75	120.70
1	5M	80	PHE	CB-CG-CD2	8.27	134.75	120.70
2	5V	23	HIS	CB-CA-C	-8.27	93.88	110.17
2	6N	23	HIS	CB-CA-C	-8.27	93.88	110.17
2	6V	23	HIS	CB-CA-C	-8.27	93.88	110.17
1	62	80	PHE	CB-CG-CD2	8.27	134.75	120.70
1	66	80	PHE	CB-CG-CD2	8.27	134.75	120.70
1	7A	80	PHE	CB-CG-CD2	8.27	134.75	120.70
2	7F	23	HIS	CB-CA-C	-8.27	93.88	110.17
2	7R	23	HIS	CB-CA-C	-8.27	93.88	110.17
1	1A	156	SER	CA-CB-OG	8.26	127.63	111.10
2	1B	23	HIS	CB-CA-C	-8.26	93.89	110.17
1	1I	156	SER	CA-CB-OG	8.26	127.63	111.10
2	1J	23	HIS	CB-CA-C	-8.26	93.89	110.17
1	2E	156	SER	CA-CB-OG	8.26	127.63	111.10
2	2F	23	HIS	CB-CA-C	-8.26	93.89	110.17
1	26	156	SER	CA-CB-OG	8.26	127.63	111.10
2	27	23	HIS	CB-CA-C	-8.26	93.89	110.17
1	3E	156	SER	CA-CB-OG	8.26	127.63	111.10
2	3F	23	HIS	CB-CA-C	-8.26	93.89	110.17
1	4A	156	SER	CA-CB-OG	8.26	127.63	111.10
2	4B	23	HIS	CB-CA-C	-8.26	93.89	110.17
1	4M	156	SER	CA-CB-OG	8.26	127.63	111.10
2	4N	23	HIS	CB-CA-C	-8.26	93.89	110.17
1	4U	156	SER	CA-CB-OG	8.26	127.63	111.10
2	4V	23	HIS	CB-CA-C	-8.26	93.89	110.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Q	156	SER	CA-CB-OG	8.26	127.63	111.10
2	5R	23	HIS	CB-CA-C	-8.26	93.89	110.17
1	6I	156	SER	CA-CB-OG	8.26	127.63	111.10
2	6J	23	HIS	CB-CA-C	-8.26	93.89	110.17
1	6Q	156	SER	CA-CB-OG	8.26	127.63	111.10
2	6R	23	HIS	CB-CA-C	-8.26	93.89	110.17
1	7M	156	SER	CA-CB-OG	8.26	127.63	111.10
2	7N	23	HIS	CB-CA-C	-8.26	93.89	110.17
2	1F	127	TYR	N-CA-C	8.26	123.40	113.16
1	1M	80	PHE	CB-CG-CD2	8.26	134.74	120.70
2	1R	127	TYR	N-CA-C	8.26	123.40	113.16
2	1V	127	TYR	N-CA-C	8.26	123.40	113.16
2	1Z	127	TYR	N-CA-C	8.26	123.40	113.16
1	2I	80	PHE	CB-CG-CD2	8.26	134.74	120.70
2	2N	127	TYR	N-CA-C	8.26	123.40	113.16
2	2R	127	TYR	N-CA-C	8.26	123.40	113.16
2	2V	127	TYR	N-CA-C	8.26	123.40	113.16
2	2Z	127	TYR	N-CA-C	8.26	123.40	113.16
2	23	127	TYR	N-CA-C	8.26	123.40	113.16
1	3I	80	PHE	CB-CG-CD2	8.26	134.74	120.70
2	3N	127	TYR	N-CA-C	8.26	123.40	113.16
1	32	80	PHE	CB-CG-CD2	8.26	134.74	120.70
2	37	127	TYR	N-CA-C	8.26	123.40	113.16
2	4R	127	TYR	N-CA-C	8.26	123.40	113.16
1	4Y	80	PHE	CB-CG-CD2	8.26	134.74	120.70
2	47	127	TYR	N-CA-C	8.26	123.40	113.16
1	5U	80	PHE	CB-CG-CD2	8.26	134.74	120.70
2	5Z	127	TYR	N-CA-C	8.26	123.40	113.16
2	57	127	TYR	N-CA-C	8.26	123.40	113.16
2	6Z	127	TYR	N-CA-C	8.26	123.40	113.16
2	1B	172	TYR	N-CA-CB	8.26	124.37	111.24
2	1J	172	TYR	N-CA-CB	8.26	124.37	111.24
2	1R	172	TYR	N-CA-CB	8.26	124.37	111.24
2	1V	172	TYR	N-CA-CB	8.26	124.37	111.24
2	1Z	172	TYR	N-CA-CB	8.26	124.37	111.24
1	12	156	SER	CA-CB-OG	8.26	127.61	111.10
2	13	127	TYR	N-CA-C	8.26	123.40	113.16
1	16	156	SER	CA-CB-OG	8.26	127.61	111.10
2	17	127	TYR	N-CA-C	8.26	123.40	113.16
1	2A	156	SER	CA-CB-OG	8.26	127.61	111.10
1	3A	80	PHE	CB-CG-CD2	8.26	134.74	120.70
2	4J	127	TYR	N-CA-C	8.26	123.40	113.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6B	127	TYR	N-CA-C	8.26	123.40	113.16
1	6M	80	PHE	CB-CG-CD2	8.26	134.74	120.70
1	7E	80	PHE	CB-CG-CD2	8.26	134.74	120.70
1	7Q	80	PHE	CB-CG-CD2	8.26	134.74	120.70
2	2B	127	TYR	N-CA-C	8.26	123.40	113.16
2	2F	172	TYR	N-CA-CB	8.26	124.37	111.24
2	2R	172	TYR	N-CA-CB	8.26	124.37	111.24
2	2V	172	TYR	N-CA-CB	8.26	124.37	111.24
2	2Z	172	TYR	N-CA-CB	8.26	124.37	111.24
2	27	172	TYR	N-CA-CB	8.26	124.37	111.24
2	3F	172	TYR	N-CA-CB	8.26	124.37	111.24
1	3Q	156	SER	CA-CB-OG	8.26	127.61	111.10
2	3R	127	TYR	N-CA-C	8.26	123.40	113.16
1	3U	156	SER	CA-CB-OG	8.26	127.61	111.10
2	3V	127	TYR	N-CA-C	8.26	123.40	113.16
1	3Y	156	SER	CA-CB-OG	8.26	127.61	111.10
1	4E	80	PHE	CB-CG-CD2	8.26	134.74	120.70
2	43	127	TYR	N-CA-C	8.26	123.40	113.16
2	5B	127	TYR	N-CA-C	8.26	123.40	113.16
2	53	127	TYR	N-CA-C	8.26	123.40	113.16
2	3Z	127	TYR	N-CA-C	8.26	123.40	113.16
2	4B	172	TYR	N-CA-CB	8.26	124.37	111.24
2	4N	172	TYR	N-CA-CB	8.26	124.37	111.24
2	4V	172	TYR	N-CA-CB	8.26	124.37	111.24
2	43	172	TYR	N-CA-CB	8.26	124.37	111.24
2	47	172	TYR	N-CA-CB	8.26	124.37	111.24
2	5B	172	TYR	N-CA-CB	8.26	124.37	111.24
1	5E	156	SER	CA-CB-OG	8.26	127.61	111.10
2	5F	127	TYR	N-CA-C	8.26	123.40	113.16
1	5I	156	SER	CA-CB-OG	8.26	127.61	111.10
2	5J	127	TYR	N-CA-C	8.26	123.40	113.16
1	5M	156	SER	CA-CB-OG	8.26	127.61	111.10
2	6F	127	TYR	N-CA-C	8.26	123.40	113.16
1	6U	80	PHE	CB-CG-CD2	8.26	134.74	120.70
2	7J	127	TYR	N-CA-C	8.26	123.40	113.16
2	5N	127	TYR	N-CA-C	8.26	123.40	113.16
2	5R	172	TYR	N-CA-CB	8.26	124.37	111.24
2	53	172	TYR	N-CA-CB	8.26	124.37	111.24
2	57	172	TYR	N-CA-CB	8.26	124.37	111.24
2	6B	172	TYR	N-CA-CB	8.26	124.37	111.24
2	6J	172	TYR	N-CA-CB	8.26	124.37	111.24
2	6R	172	TYR	N-CA-CB	8.26	124.37	111.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	62	156	SER	CA-CB-OG	8.26	127.61	111.10
2	63	127	TYR	N-CA-C	8.26	123.40	113.16
1	66	156	SER	CA-CB-OG	8.26	127.61	111.10
2	67	127	TYR	N-CA-C	8.26	123.40	113.16
1	7A	156	SER	CA-CB-OG	8.26	127.61	111.10
2	7V	127	TYR	N-CA-C	8.26	123.40	113.16
2	7B	127	TYR	N-CA-C	8.26	123.40	113.16
2	7N	172	TYR	N-CA-CB	8.26	124.37	111.24
1	1E	65	PHE	CD1-CG-CD2	-8.25	106.22	118.60
1	2M	65	PHE	CD1-CG-CD2	-8.25	106.22	118.60
1	22	65	PHE	CD1-CG-CD2	-8.25	106.22	118.60
1	3M	65	PHE	CD1-CG-CD2	-8.25	106.22	118.60
1	36	65	PHE	CD1-CG-CD2	-8.25	106.22	118.60
1	4I	65	PHE	CD1-CG-CD2	-8.25	106.22	118.60
1	4Q	65	PHE	CD1-CG-CD2	-8.25	106.22	118.60
1	5Y	65	PHE	CD1-CG-CD2	-8.25	106.22	118.60
1	6E	65	PHE	CD1-CG-CD2	-8.25	106.22	118.60
1	6Y	65	PHE	CD1-CG-CD2	-8.25	106.22	118.60
1	7I	65	PHE	CD1-CG-CD2	-8.25	106.22	118.60
1	7U	65	PHE	CD1-CG-CD2	-8.25	106.22	118.60
2	1B	127	TYR	N-CA-C	8.25	123.39	113.16
1	1E	80	PHE	CB-CG-CD2	8.25	134.73	120.70
2	1J	127	TYR	N-CA-C	8.25	123.39	113.16
2	27	127	TYR	N-CA-C	8.25	123.39	113.16
1	4Q	80	PHE	CB-CG-CD2	8.25	134.73	120.70
2	6R	127	TYR	N-CA-C	8.25	123.39	113.16
1	1A	41	ILE	N-CA-CB	8.25	120.19	110.95
1	1I	41	ILE	N-CA-CB	8.25	120.19	110.95
1	1M	156	SER	CA-CB-OG	8.25	127.60	111.10
2	2F	127	TYR	N-CA-C	8.25	123.39	113.16
1	5Y	80	PHE	CB-CG-CD2	8.25	134.73	120.70
1	2E	41	ILE	N-CA-CB	8.25	120.19	110.95
1	2I	156	SER	CA-CB-OG	8.25	127.60	111.10
1	2M	80	PHE	CB-CG-CD2	8.25	134.73	120.70
1	22	80	PHE	CB-CG-CD2	8.25	134.73	120.70
1	3M	80	PHE	CB-CG-CD2	8.25	134.73	120.70
1	26	41	ILE	N-CA-CB	8.25	120.19	110.95
1	3A	156	SER	CA-CB-OG	8.25	127.60	111.10
2	3F	127	TYR	N-CA-C	8.25	123.39	113.16
1	3E	41	ILE	N-CA-CB	8.25	120.19	110.95
1	3I	156	SER	CA-CB-OG	8.25	127.60	111.10
1	32	156	SER	CA-CB-OG	8.25	127.60	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	80	PHE	CB-CG-CD2	8.25	134.73	120.70
2	4B	127	TYR	N-CA-C	8.25	123.39	113.16
1	4I	80	PHE	CB-CG-CD2	8.25	134.73	120.70
2	4V	127	TYR	N-CA-C	8.25	123.39	113.16
1	4A	41	ILE	N-CA-CB	8.25	120.19	110.95
1	4E	156	SER	CA-CB-OG	8.25	127.60	111.10
2	4N	127	TYR	N-CA-C	8.25	123.39	113.16
2	5R	127	TYR	N-CA-C	8.25	123.39	113.16
2	6J	127	TYR	N-CA-C	8.25	123.39	113.16
1	4M	41	ILE	N-CA-CB	8.25	120.19	110.95
1	4U	41	ILE	N-CA-CB	8.25	120.19	110.95
1	4Y	156	SER	CA-CB-OG	8.25	127.60	111.10
1	5Q	41	ILE	N-CA-CB	8.25	120.19	110.95
1	5U	156	SER	CA-CB-OG	8.25	127.60	111.10
1	6E	80	PHE	CB-CG-CD2	8.25	134.73	120.70
1	6Y	80	PHE	CB-CG-CD2	8.25	134.73	120.70
1	6I	41	ILE	N-CA-CB	8.25	120.19	110.95
1	6M	156	SER	CA-CB-OG	8.25	127.60	111.10
1	6Q	41	ILE	N-CA-CB	8.25	120.19	110.95
1	6U	156	SER	CA-CB-OG	8.25	127.60	111.10
1	7E	156	SER	CA-CB-OG	8.25	127.60	111.10
1	7I	80	PHE	CB-CG-CD2	8.25	134.73	120.70
2	7N	127	TYR	N-CA-C	8.25	123.39	113.16
1	7U	80	PHE	CB-CG-CD2	8.25	134.73	120.70
1	7M	41	ILE	N-CA-CB	8.25	120.19	110.95
1	7Q	156	SER	CA-CB-OG	8.25	127.60	111.10
1	1A	80	PHE	CB-CG-CD2	8.25	134.72	120.70
1	1I	80	PHE	CB-CG-CD2	8.25	134.72	120.70
1	2E	80	PHE	CB-CG-CD2	8.25	134.72	120.70
1	26	80	PHE	CB-CG-CD2	8.25	134.72	120.70
1	3E	80	PHE	CB-CG-CD2	8.25	134.72	120.70
1	4A	80	PHE	CB-CG-CD2	8.25	134.72	120.70
1	4M	80	PHE	CB-CG-CD2	8.25	134.72	120.70
1	4U	80	PHE	CB-CG-CD2	8.25	134.72	120.70
1	5Q	80	PHE	CB-CG-CD2	8.25	134.72	120.70
1	6I	80	PHE	CB-CG-CD2	8.25	134.72	120.70
1	6Q	80	PHE	CB-CG-CD2	8.25	134.72	120.70
1	7M	80	PHE	CB-CG-CD2	8.25	134.72	120.70
1	1E	156	SER	CA-CB-OG	8.25	127.59	111.10
1	2M	156	SER	CA-CB-OG	8.25	127.59	111.10
1	22	156	SER	CA-CB-OG	8.25	127.59	111.10
1	3M	156	SER	CA-CB-OG	8.25	127.59	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	156	SER	CA-CB-OG	8.25	127.59	111.10
1	4I	156	SER	CA-CB-OG	8.25	127.59	111.10
1	4Q	156	SER	CA-CB-OG	8.25	127.59	111.10
1	5Y	156	SER	CA-CB-OG	8.25	127.59	111.10
1	6E	156	SER	CA-CB-OG	8.25	127.59	111.10
1	6Y	156	SER	CA-CB-OG	8.25	127.59	111.10
1	7I	156	SER	CA-CB-OG	8.25	127.59	111.10
1	7U	156	SER	CA-CB-OG	8.25	127.59	111.10
2	1F	172	TYR	N-CA-CB	8.24	124.35	111.24
2	13	221	ALA	O-C-N	8.24	135.56	122.61
2	17	221	ALA	O-C-N	8.24	135.56	122.61
2	2B	221	ALA	O-C-N	8.24	135.56	122.61
2	2N	172	TYR	N-CA-CB	8.24	124.35	111.24
2	23	172	TYR	N-CA-CB	8.24	124.35	111.24
2	3N	172	TYR	N-CA-CB	8.24	124.35	111.24
2	3R	221	ALA	O-C-N	8.24	135.56	122.61
2	3V	221	ALA	O-C-N	8.24	135.56	122.61
2	3Z	221	ALA	O-C-N	8.24	135.56	122.61
2	37	172	TYR	N-CA-CB	8.24	124.35	111.24
2	4J	172	TYR	N-CA-CB	8.24	124.35	111.24
2	4R	172	TYR	N-CA-CB	8.24	124.35	111.24
2	5F	221	ALA	O-C-N	8.24	135.56	122.61
2	5J	221	ALA	O-C-N	8.24	135.56	122.61
2	5N	221	ALA	O-C-N	8.24	135.56	122.61
2	5Z	172	TYR	N-CA-CB	8.24	124.35	111.24
2	6F	172	TYR	N-CA-CB	8.24	124.35	111.24
2	6Z	172	TYR	N-CA-CB	8.24	124.35	111.24
2	63	221	ALA	O-C-N	8.24	135.56	122.61
2	67	221	ALA	O-C-N	8.24	135.56	122.61
2	7B	221	ALA	O-C-N	8.24	135.56	122.61
2	7J	172	TYR	N-CA-CB	8.24	124.35	111.24
2	7V	172	TYR	N-CA-CB	8.24	124.35	111.24
1	1M	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	2I	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	3A	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	3I	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	32	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	4E	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	4Y	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	5U	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	6M	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	6U	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	7Q	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	1A	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	1I	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
2	1N	127	TYR	N-CA-C	8.24	123.38	113.16
2	2J	127	TYR	N-CA-C	8.24	123.38	113.16
2	3B	127	TYR	N-CA-C	8.24	123.38	113.16
2	3J	127	TYR	N-CA-C	8.24	123.38	113.16
1	6I	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
2	6V	127	TYR	N-CA-C	8.24	123.38	113.16
1	7M	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	1E	41	ILE	N-CA-CB	8.24	120.18	110.95
1	1Q	80	PHE	CB-CG-CD2	8.24	134.71	120.70
1	1U	80	PHE	CB-CG-CD2	8.24	134.71	120.70
1	1Y	80	PHE	CB-CG-CD2	8.24	134.71	120.70
2	13	108	HIS	CA-C-N	8.24	134.88	122.93
2	13	108	HIS	C-N-CA	8.24	134.88	122.93
2	17	108	HIS	CA-C-N	8.24	134.88	122.93
2	17	108	HIS	C-N-CA	8.24	134.88	122.93
2	2B	108	HIS	CA-C-N	8.24	134.88	122.93
2	2B	108	HIS	C-N-CA	8.24	134.88	122.93
1	2E	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	26	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	3E	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	4A	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	6Q	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	2M	41	ILE	N-CA-CB	8.24	120.18	110.95
1	2Q	80	PHE	CB-CG-CD2	8.24	134.71	120.70
1	2U	80	PHE	CB-CG-CD2	8.24	134.71	120.70
1	2Y	80	PHE	CB-CG-CD2	8.24	134.71	120.70
1	22	41	ILE	N-CA-CB	8.24	120.18	110.95
1	3M	41	ILE	N-CA-CB	8.24	120.18	110.95
2	3R	108	HIS	CA-C-N	8.24	134.88	122.93
2	3R	108	HIS	C-N-CA	8.24	134.88	122.93
2	3V	108	HIS	CA-C-N	8.24	134.88	122.93
2	3V	108	HIS	C-N-CA	8.24	134.88	122.93
2	3Z	108	HIS	CA-C-N	8.24	134.88	122.93
2	3Z	108	HIS	C-N-CA	8.24	134.88	122.93
2	33	127	TYR	N-CA-C	8.24	123.38	113.16
2	4F	127	TYR	N-CA-C	8.24	123.38	113.16
1	4M	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
1	4U	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4Z	127	TYR	N-CA-C	8.24	123.38	113.16
2	6N	127	TYR	N-CA-C	8.24	123.38	113.16
1	36	41	ILE	N-CA-CB	8.24	120.18	110.95
1	4I	41	ILE	N-CA-CB	8.24	120.18	110.95
1	4Q	41	ILE	N-CA-CB	8.24	120.18	110.95
1	42	80	PHE	CB-CG-CD2	8.24	134.71	120.70
1	46	80	PHE	CB-CG-CD2	8.24	134.71	120.70
1	5A	80	PHE	CB-CG-CD2	8.24	134.71	120.70
2	5F	108	HIS	CA-C-N	8.24	134.88	122.93
2	5F	108	HIS	C-N-CA	8.24	134.88	122.93
2	5J	108	HIS	CA-C-N	8.24	134.88	122.93
2	5J	108	HIS	C-N-CA	8.24	134.88	122.93
2	5N	108	HIS	CA-C-N	8.24	134.88	122.93
2	5N	108	HIS	C-N-CA	8.24	134.88	122.93
1	5Q	65	PHE	CD1-CG-CD2	-8.24	106.24	118.60
2	5V	127	TYR	N-CA-C	8.24	123.38	113.16
1	5Y	41	ILE	N-CA-CB	8.24	120.18	110.95
1	52	80	PHE	CB-CG-CD2	8.24	134.71	120.70
1	56	80	PHE	CB-CG-CD2	8.24	134.71	120.70
1	6A	80	PHE	CB-CG-CD2	8.24	134.71	120.70
1	6E	41	ILE	N-CA-CB	8.24	120.18	110.95
1	6Y	41	ILE	N-CA-CB	8.24	120.18	110.95
2	63	108	HIS	CA-C-N	8.24	134.88	122.93
2	63	108	HIS	C-N-CA	8.24	134.88	122.93
2	67	108	HIS	CA-C-N	8.24	134.88	122.93
2	67	108	HIS	C-N-CA	8.24	134.88	122.93
2	7B	108	HIS	CA-C-N	8.24	134.88	122.93
2	7B	108	HIS	C-N-CA	8.24	134.88	122.93
2	7F	127	TYR	N-CA-C	8.24	123.38	113.16
2	7R	127	TYR	N-CA-C	8.24	123.38	113.16
1	7I	41	ILE	N-CA-CB	8.24	120.18	110.95
1	7U	41	ILE	N-CA-CB	8.24	120.18	110.95
1	1M	41	ILE	N-CA-CB	8.24	120.18	110.95
1	2I	41	ILE	N-CA-CB	8.24	120.18	110.95
1	3A	41	ILE	N-CA-CB	8.24	120.18	110.95
1	3I	41	ILE	N-CA-CB	8.24	120.18	110.95
1	32	41	ILE	N-CA-CB	8.24	120.18	110.95
1	4E	41	ILE	N-CA-CB	8.24	120.18	110.95
1	4Y	41	ILE	N-CA-CB	8.24	120.18	110.95
1	5U	41	ILE	N-CA-CB	8.24	120.18	110.95
1	6M	41	ILE	N-CA-CB	8.24	120.18	110.95
1	6U	41	ILE	N-CA-CB	8.24	120.18	110.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	41	ILE	N-CA-CB	8.24	120.18	110.95
1	7Q	41	ILE	N-CA-CB	8.24	120.18	110.95
1	1Q	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	1U	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	1Y	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	2Q	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	2U	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	2Y	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	42	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	46	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	5A	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	52	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	56	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	6A	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	1Q	41	ILE	N-CA-CB	8.23	120.17	110.95
2	1R	221	ALA	O-C-N	8.23	135.53	122.61
1	1U	41	ILE	N-CA-CB	8.23	120.17	110.95
2	1V	221	ALA	O-C-N	8.23	135.53	122.61
1	1Y	41	ILE	N-CA-CB	8.23	120.17	110.95
2	1Z	221	ALA	O-C-N	8.23	135.53	122.61
1	12	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	16	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	2A	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	2Q	41	ILE	N-CA-CB	8.23	120.17	110.95
2	2R	221	ALA	O-C-N	8.23	135.53	122.61
1	2U	41	ILE	N-CA-CB	8.23	120.17	110.95
2	2V	221	ALA	O-C-N	8.23	135.53	122.61
1	2Y	41	ILE	N-CA-CB	8.23	120.17	110.95
2	2Z	221	ALA	O-C-N	8.23	135.53	122.61
1	3Q	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	3U	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	3Y	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	42	41	ILE	N-CA-CB	8.23	120.17	110.95
2	43	221	ALA	O-C-N	8.23	135.53	122.61
1	46	41	ILE	N-CA-CB	8.23	120.17	110.95
2	47	221	ALA	O-C-N	8.23	135.53	122.61
1	5A	41	ILE	N-CA-CB	8.23	120.17	110.95
2	5B	221	ALA	O-C-N	8.23	135.53	122.61
1	5E	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	5I	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	5M	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	52	41	ILE	N-CA-CB	8.23	120.17	110.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	53	221	ALA	O-C-N	8.23	135.53	122.61
1	56	41	ILE	N-CA-CB	8.23	120.17	110.95
2	57	221	ALA	O-C-N	8.23	135.53	122.61
1	6A	41	ILE	N-CA-CB	8.23	120.17	110.95
2	6B	221	ALA	O-C-N	8.23	135.53	122.61
1	62	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	66	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
1	7A	65	PHE	CD1-CG-CD2	-8.23	106.25	118.60
2	1B	221	ALA	O-C-N	8.23	135.53	122.61
2	1J	221	ALA	O-C-N	8.23	135.53	122.61
2	1N	108	HIS	CA-C-N	8.23	134.86	122.93
2	1N	108	HIS	C-N-CA	8.23	134.86	122.93
2	2F	221	ALA	O-C-N	8.23	135.53	122.61
2	2J	108	HIS	CA-C-N	8.23	134.86	122.93
2	2J	108	HIS	C-N-CA	8.23	134.86	122.93
2	27	221	ALA	O-C-N	8.23	135.53	122.61
2	3B	108	HIS	CA-C-N	8.23	134.86	122.93
2	3B	108	HIS	C-N-CA	8.23	134.86	122.93
2	3F	221	ALA	O-C-N	8.23	135.53	122.61
2	3J	108	HIS	CA-C-N	8.23	134.86	122.93
2	3J	108	HIS	C-N-CA	8.23	134.86	122.93
2	33	108	HIS	CA-C-N	8.23	134.86	122.93
2	33	108	HIS	C-N-CA	8.23	134.86	122.93
2	4B	221	ALA	O-C-N	8.23	135.53	122.61
2	4F	108	HIS	CA-C-N	8.23	134.86	122.93
2	4F	108	HIS	C-N-CA	8.23	134.86	122.93
2	4N	221	ALA	O-C-N	8.23	135.53	122.61
2	4V	221	ALA	O-C-N	8.23	135.53	122.61
2	4Z	108	HIS	CA-C-N	8.23	134.86	122.93
2	4Z	108	HIS	C-N-CA	8.23	134.86	122.93
2	5R	221	ALA	O-C-N	8.23	135.53	122.61
2	5V	108	HIS	CA-C-N	8.23	134.86	122.93
2	5V	108	HIS	C-N-CA	8.23	134.86	122.93
2	6J	221	ALA	O-C-N	8.23	135.53	122.61
2	6N	108	HIS	CA-C-N	8.23	134.86	122.93
2	6N	108	HIS	C-N-CA	8.23	134.86	122.93
2	6R	221	ALA	O-C-N	8.23	135.53	122.61
2	6V	108	HIS	CA-C-N	8.23	134.86	122.93
2	6V	108	HIS	C-N-CA	8.23	134.86	122.93
2	7F	108	HIS	CA-C-N	8.23	134.86	122.93
2	7F	108	HIS	C-N-CA	8.23	134.86	122.93
2	7N	221	ALA	O-C-N	8.23	135.53	122.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	108	HIS	CA-C-N	8.23	134.86	122.93
2	7R	108	HIS	C-N-CA	8.23	134.86	122.93
1	12	41	ILE	N-CA-CB	8.22	120.16	110.95
1	16	41	ILE	N-CA-CB	8.22	120.16	110.95
1	2A	41	ILE	N-CA-CB	8.22	120.16	110.95
1	3Q	41	ILE	N-CA-CB	8.22	120.16	110.95
1	3U	41	ILE	N-CA-CB	8.22	120.16	110.95
1	3Y	41	ILE	N-CA-CB	8.22	120.16	110.95
1	5E	41	ILE	N-CA-CB	8.22	120.16	110.95
1	5I	41	ILE	N-CA-CB	8.22	120.16	110.95
1	5M	41	ILE	N-CA-CB	8.22	120.16	110.95
1	62	41	ILE	N-CA-CB	8.22	120.16	110.95
1	66	41	ILE	N-CA-CB	8.22	120.16	110.95
1	7A	41	ILE	N-CA-CB	8.22	120.16	110.95
1	1E	36	THR	OG1-CB-CG2	8.22	125.75	109.30
2	1R	108	HIS	CA-C-N	8.22	134.85	122.93
2	1R	108	HIS	C-N-CA	8.22	134.85	122.93
2	1V	108	HIS	CA-C-N	8.22	134.85	122.93
2	1V	108	HIS	C-N-CA	8.22	134.85	122.93
2	1Z	108	HIS	CA-C-N	8.22	134.85	122.93
2	1Z	108	HIS	C-N-CA	8.22	134.85	122.93
1	2M	36	THR	OG1-CB-CG2	8.22	125.75	109.30
2	2R	108	HIS	CA-C-N	8.22	134.85	122.93
2	2R	108	HIS	C-N-CA	8.22	134.85	122.93
2	2V	108	HIS	CA-C-N	8.22	134.85	122.93
2	2V	108	HIS	C-N-CA	8.22	134.85	122.93
2	2Z	108	HIS	CA-C-N	8.22	134.85	122.93
2	2Z	108	HIS	C-N-CA	8.22	134.85	122.93
1	22	36	THR	OG1-CB-CG2	8.22	125.75	109.30
1	3M	36	THR	OG1-CB-CG2	8.22	125.75	109.30
1	36	36	THR	OG1-CB-CG2	8.22	125.75	109.30
1	4I	36	THR	OG1-CB-CG2	8.22	125.75	109.30
1	4Q	36	THR	OG1-CB-CG2	8.22	125.75	109.30
2	43	108	HIS	CA-C-N	8.22	134.85	122.93
2	43	108	HIS	C-N-CA	8.22	134.85	122.93
2	47	108	HIS	CA-C-N	8.22	134.85	122.93
2	47	108	HIS	C-N-CA	8.22	134.85	122.93
2	5B	108	HIS	CA-C-N	8.22	134.85	122.93
2	5B	108	HIS	C-N-CA	8.22	134.85	122.93
1	5Y	36	THR	OG1-CB-CG2	8.22	125.75	109.30
2	53	108	HIS	CA-C-N	8.22	134.85	122.93
2	53	108	HIS	C-N-CA	8.22	134.85	122.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	108	HIS	CA-C-N	8.22	134.85	122.93
2	57	108	HIS	C-N-CA	8.22	134.85	122.93
2	6B	108	HIS	CA-C-N	8.22	134.85	122.93
2	6B	108	HIS	C-N-CA	8.22	134.85	122.93
1	6E	36	THR	OG1-CB-CG2	8.22	125.75	109.30
1	6Y	36	THR	OG1-CB-CG2	8.22	125.75	109.30
1	7I	36	THR	OG1-CB-CG2	8.22	125.75	109.30
1	7U	36	THR	OG1-CB-CG2	8.22	125.75	109.30
2	1B	108	HIS	CA-C-N	8.22	134.85	122.93
2	1B	108	HIS	C-N-CA	8.22	134.85	122.93
2	1J	108	HIS	CA-C-N	8.22	134.85	122.93
2	1J	108	HIS	C-N-CA	8.22	134.85	122.93
2	1N	221	ALA	O-C-N	8.22	135.51	122.61
1	1Q	36	THR	OG1-CB-CG2	8.22	125.74	109.30
1	1U	36	THR	OG1-CB-CG2	8.22	125.74	109.30
1	1Y	36	THR	OG1-CB-CG2	8.22	125.74	109.30
2	2F	108	HIS	CA-C-N	8.22	134.85	122.93
2	2F	108	HIS	C-N-CA	8.22	134.85	122.93
2	2J	221	ALA	O-C-N	8.22	135.51	122.61
1	2Q	36	THR	OG1-CB-CG2	8.22	125.74	109.30
1	2U	36	THR	OG1-CB-CG2	8.22	125.74	109.30
1	2Y	36	THR	OG1-CB-CG2	8.22	125.74	109.30
2	27	108	HIS	CA-C-N	8.22	134.85	122.93
2	27	108	HIS	C-N-CA	8.22	134.85	122.93
2	3B	221	ALA	O-C-N	8.22	135.51	122.61
2	3F	108	HIS	CA-C-N	8.22	134.85	122.93
2	3F	108	HIS	C-N-CA	8.22	134.85	122.93
2	3J	221	ALA	O-C-N	8.22	135.51	122.61
2	33	221	ALA	O-C-N	8.22	135.51	122.61
2	4B	108	HIS	CA-C-N	8.22	134.85	122.93
2	4B	108	HIS	C-N-CA	8.22	134.85	122.93
2	4F	221	ALA	O-C-N	8.22	135.51	122.61
2	4N	108	HIS	CA-C-N	8.22	134.85	122.93
2	4N	108	HIS	C-N-CA	8.22	134.85	122.93
2	4V	108	HIS	CA-C-N	8.22	134.85	122.93
2	4V	108	HIS	C-N-CA	8.22	134.85	122.93
2	4Z	221	ALA	O-C-N	8.22	135.51	122.61
1	42	36	THR	OG1-CB-CG2	8.22	125.74	109.30
1	46	36	THR	OG1-CB-CG2	8.22	125.74	109.30
1	5A	36	THR	OG1-CB-CG2	8.22	125.74	109.30
2	5R	108	HIS	CA-C-N	8.22	134.85	122.93
2	5R	108	HIS	C-N-CA	8.22	134.85	122.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	221	ALA	O-C-N	8.22	135.51	122.61
1	52	36	THR	OG1-CB-CG2	8.22	125.74	109.30
1	56	36	THR	OG1-CB-CG2	8.22	125.74	109.30
1	6A	36	THR	OG1-CB-CG2	8.22	125.74	109.30
2	6J	108	HIS	CA-C-N	8.22	134.85	122.93
2	6J	108	HIS	C-N-CA	8.22	134.85	122.93
2	6N	221	ALA	O-C-N	8.22	135.51	122.61
2	6R	108	HIS	CA-C-N	8.22	134.85	122.93
2	6R	108	HIS	C-N-CA	8.22	134.85	122.93
2	6V	221	ALA	O-C-N	8.22	135.51	122.61
2	7F	221	ALA	O-C-N	8.22	135.51	122.61
2	7N	108	HIS	CA-C-N	8.22	134.85	122.93
2	7N	108	HIS	C-N-CA	8.22	134.85	122.93
2	7R	221	ALA	O-C-N	8.22	135.51	122.61
1	1A	36	THR	OG1-CB-CG2	8.21	125.73	109.30
2	1F	221	ALA	O-C-N	8.21	135.50	122.61
1	1I	36	THR	OG1-CB-CG2	8.21	125.73	109.30
1	2E	36	THR	OG1-CB-CG2	8.21	125.73	109.30
2	2N	221	ALA	O-C-N	8.21	135.50	122.61
2	23	221	ALA	O-C-N	8.21	135.50	122.61
1	26	36	THR	OG1-CB-CG2	8.21	125.73	109.30
1	3E	36	THR	OG1-CB-CG2	8.21	125.73	109.30
2	3N	221	ALA	O-C-N	8.21	135.50	122.61
2	37	221	ALA	O-C-N	8.21	135.50	122.61
1	4A	36	THR	OG1-CB-CG2	8.21	125.73	109.30
2	4J	221	ALA	O-C-N	8.21	135.50	122.61
1	4M	36	THR	OG1-CB-CG2	8.21	125.73	109.30
2	4R	221	ALA	O-C-N	8.21	135.50	122.61
1	4U	36	THR	OG1-CB-CG2	8.21	125.73	109.30
1	5Q	36	THR	OG1-CB-CG2	8.21	125.73	109.30
2	5Z	221	ALA	O-C-N	8.21	135.50	122.61
2	6F	221	ALA	O-C-N	8.21	135.50	122.61
1	6I	36	THR	OG1-CB-CG2	8.21	125.73	109.30
1	6Q	36	THR	OG1-CB-CG2	8.21	125.73	109.30
2	6Z	221	ALA	O-C-N	8.21	135.50	122.61
2	7J	221	ALA	O-C-N	8.21	135.50	122.61
1	7M	36	THR	OG1-CB-CG2	8.21	125.73	109.30
2	7V	221	ALA	O-C-N	8.21	135.50	122.61
2	1F	46	TYR	CB-CG-CD1	-8.21	108.48	120.80
2	2N	46	TYR	CB-CG-CD1	-8.21	108.48	120.80
2	23	46	TYR	CB-CG-CD1	-8.21	108.48	120.80
2	3N	46	TYR	CB-CG-CD1	-8.21	108.48	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	46	TYR	CB-CG-CD1	-8.21	108.48	120.80
2	4J	46	TYR	CB-CG-CD1	-8.21	108.48	120.80
2	4R	46	TYR	CB-CG-CD1	-8.21	108.48	120.80
2	5Z	46	TYR	CB-CG-CD1	-8.21	108.48	120.80
2	6F	46	TYR	CB-CG-CD1	-8.21	108.48	120.80
2	6Z	46	TYR	CB-CG-CD1	-8.21	108.48	120.80
2	7J	46	TYR	CB-CG-CD1	-8.21	108.48	120.80
2	7V	46	TYR	CB-CG-CD1	-8.21	108.48	120.80
1	1M	36	THR	OG1-CB-CG2	8.21	125.72	109.30
1	2I	36	THR	OG1-CB-CG2	8.21	125.72	109.30
1	3A	36	THR	OG1-CB-CG2	8.21	125.72	109.30
1	3I	36	THR	OG1-CB-CG2	8.21	125.72	109.30
1	32	36	THR	OG1-CB-CG2	8.21	125.72	109.30
1	4E	36	THR	OG1-CB-CG2	8.21	125.72	109.30
1	4Y	36	THR	OG1-CB-CG2	8.21	125.72	109.30
1	5U	36	THR	OG1-CB-CG2	8.21	125.72	109.30
1	6M	36	THR	OG1-CB-CG2	8.21	125.72	109.30
1	6U	36	THR	OG1-CB-CG2	8.21	125.72	109.30
1	7E	36	THR	OG1-CB-CG2	8.21	125.72	109.30
1	7Q	36	THR	OG1-CB-CG2	8.21	125.72	109.30
1	12	36	THR	OG1-CB-CG2	8.21	125.71	109.30
1	16	36	THR	OG1-CB-CG2	8.21	125.71	109.30
1	2A	36	THR	OG1-CB-CG2	8.21	125.71	109.30
1	3Q	36	THR	OG1-CB-CG2	8.21	125.71	109.30
1	3U	36	THR	OG1-CB-CG2	8.21	125.71	109.30
1	3Y	36	THR	OG1-CB-CG2	8.21	125.71	109.30
1	5E	36	THR	OG1-CB-CG2	8.21	125.71	109.30
1	5I	36	THR	OG1-CB-CG2	8.21	125.71	109.30
1	5M	36	THR	OG1-CB-CG2	8.21	125.71	109.30
1	62	36	THR	OG1-CB-CG2	8.21	125.71	109.30
1	66	36	THR	OG1-CB-CG2	8.21	125.71	109.30
1	7A	36	THR	OG1-CB-CG2	8.21	125.71	109.30
2	1R	214	PHE	CA-C-N	-8.20	109.23	122.26
2	1R	214	PHE	C-N-CA	-8.20	109.23	122.26
2	1V	214	PHE	CA-C-N	-8.20	109.23	122.26
2	1V	214	PHE	C-N-CA	-8.20	109.23	122.26
2	1Z	214	PHE	CA-C-N	-8.20	109.23	122.26
2	1Z	214	PHE	C-N-CA	-8.20	109.23	122.26
2	2R	214	PHE	CA-C-N	-8.20	109.23	122.26
2	2R	214	PHE	C-N-CA	-8.20	109.23	122.26
2	2V	214	PHE	CA-C-N	-8.20	109.23	122.26
2	2V	214	PHE	C-N-CA	-8.20	109.23	122.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2Z	214	PHE	CA-C-N	-8.20	109.23	122.26
2	2Z	214	PHE	C-N-CA	-8.20	109.23	122.26
2	43	214	PHE	CA-C-N	-8.20	109.23	122.26
2	43	214	PHE	C-N-CA	-8.20	109.23	122.26
2	47	214	PHE	CA-C-N	-8.20	109.23	122.26
2	47	214	PHE	C-N-CA	-8.20	109.23	122.26
2	5B	214	PHE	CA-C-N	-8.20	109.23	122.26
2	5B	214	PHE	C-N-CA	-8.20	109.23	122.26
2	53	214	PHE	CA-C-N	-8.20	109.23	122.26
2	53	214	PHE	C-N-CA	-8.20	109.23	122.26
2	57	214	PHE	CA-C-N	-8.20	109.23	122.26
2	57	214	PHE	C-N-CA	-8.20	109.23	122.26
2	6B	214	PHE	CA-C-N	-8.20	109.23	122.26
2	6B	214	PHE	C-N-CA	-8.20	109.23	122.26
2	1F	108	HIS	CA-C-N	8.19	134.81	122.93
2	1F	108	HIS	C-N-CA	8.19	134.81	122.93
2	2N	108	HIS	CA-C-N	8.19	134.81	122.93
2	2N	108	HIS	C-N-CA	8.19	134.81	122.93
2	23	108	HIS	CA-C-N	8.19	134.81	122.93
2	23	108	HIS	C-N-CA	8.19	134.81	122.93
2	3N	108	HIS	CA-C-N	8.19	134.81	122.93
2	3N	108	HIS	C-N-CA	8.19	134.81	122.93
2	37	108	HIS	CA-C-N	8.19	134.81	122.93
2	37	108	HIS	C-N-CA	8.19	134.81	122.93
2	4J	108	HIS	CA-C-N	8.19	134.81	122.93
2	4J	108	HIS	C-N-CA	8.19	134.81	122.93
2	4R	108	HIS	CA-C-N	8.19	134.81	122.93
2	4R	108	HIS	C-N-CA	8.19	134.81	122.93
2	5Z	108	HIS	CA-C-N	8.19	134.81	122.93
2	5Z	108	HIS	C-N-CA	8.19	134.81	122.93
2	6F	108	HIS	CA-C-N	8.19	134.81	122.93
2	6F	108	HIS	C-N-CA	8.19	134.81	122.93
2	6Z	108	HIS	CA-C-N	8.19	134.81	122.93
2	6Z	108	HIS	C-N-CA	8.19	134.81	122.93
2	7J	108	HIS	CA-C-N	8.19	134.81	122.93
2	7J	108	HIS	C-N-CA	8.19	134.81	122.93
2	7V	108	HIS	CA-C-N	8.19	134.81	122.93
2	7V	108	HIS	C-N-CA	8.19	134.81	122.93
2	1N	214	PHE	CA-C-N	-8.19	109.23	122.26
2	1N	214	PHE	C-N-CA	-8.19	109.23	122.26
2	1R	81	LEU	CA-C-O	-8.19	108.94	120.16
2	1V	81	LEU	CA-C-O	-8.19	108.94	120.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1Z	81	LEU	CA-C-O	-8.19	108.94	120.16
2	2J	214	PHE	CA-C-N	-8.19	109.23	122.26
2	2J	214	PHE	C-N-CA	-8.19	109.23	122.26
2	2R	81	LEU	CA-C-O	-8.19	108.94	120.16
2	2V	81	LEU	CA-C-O	-8.19	108.94	120.16
2	2Z	81	LEU	CA-C-O	-8.19	108.94	120.16
2	3B	214	PHE	CA-C-N	-8.19	109.23	122.26
2	3B	214	PHE	C-N-CA	-8.19	109.23	122.26
2	3J	214	PHE	CA-C-N	-8.19	109.23	122.26
2	3J	214	PHE	C-N-CA	-8.19	109.23	122.26
2	33	214	PHE	CA-C-N	-8.19	109.23	122.26
2	33	214	PHE	C-N-CA	-8.19	109.23	122.26
2	4F	214	PHE	CA-C-N	-8.19	109.23	122.26
2	4F	214	PHE	C-N-CA	-8.19	109.23	122.26
2	4Z	214	PHE	CA-C-N	-8.19	109.23	122.26
2	4Z	214	PHE	C-N-CA	-8.19	109.23	122.26
2	43	81	LEU	CA-C-O	-8.19	108.94	120.16
2	47	81	LEU	CA-C-O	-8.19	108.94	120.16
2	5B	81	LEU	CA-C-O	-8.19	108.94	120.16
2	5V	214	PHE	CA-C-N	-8.19	109.23	122.26
2	5V	214	PHE	C-N-CA	-8.19	109.23	122.26
2	53	81	LEU	CA-C-O	-8.19	108.94	120.16
2	57	81	LEU	CA-C-O	-8.19	108.94	120.16
2	6B	81	LEU	CA-C-O	-8.19	108.94	120.16
2	6N	214	PHE	CA-C-N	-8.19	109.23	122.26
2	6N	214	PHE	C-N-CA	-8.19	109.23	122.26
2	6V	214	PHE	CA-C-N	-8.19	109.23	122.26
2	6V	214	PHE	C-N-CA	-8.19	109.23	122.26
2	7F	214	PHE	CA-C-N	-8.19	109.23	122.26
2	7F	214	PHE	C-N-CA	-8.19	109.23	122.26
2	7R	214	PHE	CA-C-N	-8.19	109.23	122.26
2	7R	214	PHE	C-N-CA	-8.19	109.23	122.26
2	1N	46	TYR	CB-CG-CD1	-8.19	108.52	120.80
2	2J	46	TYR	CB-CG-CD1	-8.19	108.52	120.80
2	3B	46	TYR	CB-CG-CD1	-8.19	108.52	120.80
2	3J	46	TYR	CB-CG-CD1	-8.19	108.52	120.80
2	33	46	TYR	CB-CG-CD1	-8.19	108.52	120.80
2	4F	46	TYR	CB-CG-CD1	-8.19	108.52	120.80
2	4Z	46	TYR	CB-CG-CD1	-8.19	108.52	120.80
2	5V	46	TYR	CB-CG-CD1	-8.19	108.52	120.80
2	6N	46	TYR	CB-CG-CD1	-8.19	108.52	120.80
2	6V	46	TYR	CB-CG-CD1	-8.19	108.52	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	46	TYR	CB-CG-CD1	-8.19	108.52	120.80
2	7R	46	TYR	CB-CG-CD1	-8.19	108.52	120.80
2	1B	81	LEU	CA-C-O	-8.18	108.95	120.16
2	1J	81	LEU	CA-C-O	-8.18	108.95	120.16
2	13	81	LEU	CA-C-O	-8.18	108.95	120.16
2	17	81	LEU	CA-C-O	-8.18	108.95	120.16
2	2B	81	LEU	CA-C-O	-8.18	108.95	120.16
2	2F	81	LEU	CA-C-O	-8.18	108.95	120.16
2	27	81	LEU	CA-C-O	-8.18	108.95	120.16
2	3F	81	LEU	CA-C-O	-8.18	108.95	120.16
2	3R	81	LEU	CA-C-O	-8.18	108.95	120.16
2	3V	81	LEU	CA-C-O	-8.18	108.95	120.16
2	3Z	81	LEU	CA-C-O	-8.18	108.95	120.16
2	4B	81	LEU	CA-C-O	-8.18	108.95	120.16
2	4N	81	LEU	CA-C-O	-8.18	108.95	120.16
2	4V	81	LEU	CA-C-O	-8.18	108.95	120.16
2	5F	81	LEU	CA-C-O	-8.18	108.95	120.16
2	5J	81	LEU	CA-C-O	-8.18	108.95	120.16
2	5N	81	LEU	CA-C-O	-8.18	108.95	120.16
2	5R	81	LEU	CA-C-O	-8.18	108.95	120.16
2	6J	81	LEU	CA-C-O	-8.18	108.95	120.16
2	6R	81	LEU	CA-C-O	-8.18	108.95	120.16
2	63	81	LEU	CA-C-O	-8.18	108.95	120.16
2	67	81	LEU	CA-C-O	-8.18	108.95	120.16
2	7B	81	LEU	CA-C-O	-8.18	108.95	120.16
2	7N	81	LEU	CA-C-O	-8.18	108.95	120.16
2	1F	214	PHE	CA-C-N	-8.18	109.25	122.26
2	1F	214	PHE	C-N-CA	-8.18	109.25	122.26
2	2N	214	PHE	CA-C-N	-8.18	109.25	122.26
2	2N	214	PHE	C-N-CA	-8.18	109.25	122.26
2	23	214	PHE	CA-C-N	-8.18	109.25	122.26
2	23	214	PHE	C-N-CA	-8.18	109.25	122.26
2	3N	214	PHE	CA-C-N	-8.18	109.25	122.26
2	3N	214	PHE	C-N-CA	-8.18	109.25	122.26
2	37	214	PHE	CA-C-N	-8.18	109.25	122.26
2	37	214	PHE	C-N-CA	-8.18	109.25	122.26
2	4J	214	PHE	CA-C-N	-8.18	109.25	122.26
2	4J	214	PHE	C-N-CA	-8.18	109.25	122.26
2	4R	214	PHE	CA-C-N	-8.18	109.25	122.26
2	4R	214	PHE	C-N-CA	-8.18	109.25	122.26
2	5Z	214	PHE	CA-C-N	-8.18	109.25	122.26
2	5Z	214	PHE	C-N-CA	-8.18	109.25	122.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	214	PHE	CA-C-N	-8.18	109.25	122.26
2	6F	214	PHE	C-N-CA	-8.18	109.25	122.26
2	6Z	214	PHE	CA-C-N	-8.18	109.25	122.26
2	6Z	214	PHE	C-N-CA	-8.18	109.25	122.26
2	7J	214	PHE	CA-C-N	-8.18	109.25	122.26
2	7J	214	PHE	C-N-CA	-8.18	109.25	122.26
2	7V	214	PHE	CA-C-N	-8.18	109.25	122.26
2	7V	214	PHE	C-N-CA	-8.18	109.25	122.26
2	1F	81	LEU	CA-C-O	-8.18	108.96	120.16
2	2N	81	LEU	CA-C-O	-8.18	108.96	120.16
2	23	81	LEU	CA-C-O	-8.18	108.96	120.16
2	3N	81	LEU	CA-C-O	-8.18	108.96	120.16
2	37	81	LEU	CA-C-O	-8.18	108.96	120.16
2	4J	81	LEU	CA-C-O	-8.18	108.96	120.16
2	4R	81	LEU	CA-C-O	-8.18	108.96	120.16
2	5Z	81	LEU	CA-C-O	-8.18	108.96	120.16
2	6F	81	LEU	CA-C-O	-8.18	108.96	120.16
2	6Z	81	LEU	CA-C-O	-8.18	108.96	120.16
2	7J	81	LEU	CA-C-O	-8.18	108.96	120.16
2	7V	81	LEU	CA-C-O	-8.18	108.96	120.16
2	1B	214	PHE	CA-C-N	-8.18	109.26	122.26
2	1B	214	PHE	C-N-CA	-8.18	109.26	122.26
2	1J	214	PHE	CA-C-N	-8.18	109.26	122.26
2	1J	214	PHE	C-N-CA	-8.18	109.26	122.26
2	2F	214	PHE	CA-C-N	-8.18	109.26	122.26
2	2F	214	PHE	C-N-CA	-8.18	109.26	122.26
2	27	214	PHE	CA-C-N	-8.18	109.26	122.26
2	27	214	PHE	C-N-CA	-8.18	109.26	122.26
2	3F	214	PHE	CA-C-N	-8.18	109.26	122.26
2	3F	214	PHE	C-N-CA	-8.18	109.26	122.26
2	4B	214	PHE	CA-C-N	-8.18	109.26	122.26
2	4B	214	PHE	C-N-CA	-8.18	109.26	122.26
2	4N	214	PHE	CA-C-N	-8.18	109.26	122.26
2	4N	214	PHE	C-N-CA	-8.18	109.26	122.26
2	4V	214	PHE	CA-C-N	-8.18	109.26	122.26
2	4V	214	PHE	C-N-CA	-8.18	109.26	122.26
2	5R	214	PHE	CA-C-N	-8.18	109.26	122.26
2	5R	214	PHE	C-N-CA	-8.18	109.26	122.26
2	6J	214	PHE	CA-C-N	-8.18	109.26	122.26
2	6J	214	PHE	C-N-CA	-8.18	109.26	122.26
2	6R	214	PHE	CA-C-N	-8.18	109.26	122.26
2	6R	214	PHE	C-N-CA	-8.18	109.26	122.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	214	PHE	CA-C-N	-8.18	109.26	122.26
2	7N	214	PHE	C-N-CA	-8.18	109.26	122.26
2	1N	81	LEU	CA-C-O	-8.17	108.96	120.16
2	2J	81	LEU	CA-C-O	-8.17	108.96	120.16
2	3B	81	LEU	CA-C-O	-8.17	108.96	120.16
2	3J	81	LEU	CA-C-O	-8.17	108.96	120.16
2	33	81	LEU	CA-C-O	-8.17	108.96	120.16
2	4F	81	LEU	CA-C-O	-8.17	108.96	120.16
2	4Z	81	LEU	CA-C-O	-8.17	108.96	120.16
2	5V	81	LEU	CA-C-O	-8.17	108.96	120.16
2	6N	81	LEU	CA-C-O	-8.17	108.96	120.16
2	6V	81	LEU	CA-C-O	-8.17	108.96	120.16
2	7F	81	LEU	CA-C-O	-8.17	108.96	120.16
2	7R	81	LEU	CA-C-O	-8.17	108.96	120.16
2	1B	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	1J	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	1R	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	1V	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	1Z	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	13	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	17	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	2B	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	2F	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	2R	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	2V	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	2Z	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	27	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	3F	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	3R	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	3V	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	3Z	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	4B	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	4N	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	4V	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	43	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	47	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	5B	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	5F	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	5J	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	5N	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	5R	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	53	46	TYR	CB-CG-CD1	-8.17	108.55	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	6B	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	6J	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	6R	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	63	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	67	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	7B	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	7N	46	TYR	CB-CG-CD1	-8.17	108.55	120.80
2	1F	8	VAL	CB-CA-C	8.16	124.67	111.29
2	2N	8	VAL	CB-CA-C	8.16	124.67	111.29
2	23	8	VAL	CB-CA-C	8.16	124.67	111.29
2	3N	8	VAL	CB-CA-C	8.16	124.67	111.29
2	37	8	VAL	CB-CA-C	8.16	124.67	111.29
2	4J	8	VAL	CB-CA-C	8.16	124.67	111.29
2	4R	8	VAL	CB-CA-C	8.16	124.67	111.29
2	5Z	8	VAL	CB-CA-C	8.16	124.67	111.29
2	6F	8	VAL	CB-CA-C	8.16	124.67	111.29
2	6Z	8	VAL	CB-CA-C	8.16	124.67	111.29
2	7J	8	VAL	CB-CA-C	8.16	124.67	111.29
2	7V	8	VAL	CB-CA-C	8.16	124.67	111.29
2	13	214	PHE	CA-C-N	-8.15	109.30	122.26
2	13	214	PHE	C-N-CA	-8.15	109.30	122.26
2	17	214	PHE	CA-C-N	-8.15	109.30	122.26
2	17	214	PHE	C-N-CA	-8.15	109.30	122.26
2	2B	214	PHE	CA-C-N	-8.15	109.30	122.26
2	2B	214	PHE	C-N-CA	-8.15	109.30	122.26
2	3R	214	PHE	CA-C-N	-8.15	109.30	122.26
2	3R	214	PHE	C-N-CA	-8.15	109.30	122.26
2	3V	214	PHE	CA-C-N	-8.15	109.30	122.26
2	3V	214	PHE	C-N-CA	-8.15	109.30	122.26
2	3Z	214	PHE	CA-C-N	-8.15	109.30	122.26
2	3Z	214	PHE	C-N-CA	-8.15	109.30	122.26
2	5F	214	PHE	CA-C-N	-8.15	109.30	122.26
2	5F	214	PHE	C-N-CA	-8.15	109.30	122.26
2	5J	214	PHE	CA-C-N	-8.15	109.30	122.26
2	5J	214	PHE	C-N-CA	-8.15	109.30	122.26
2	5N	214	PHE	CA-C-N	-8.15	109.30	122.26
2	5N	214	PHE	C-N-CA	-8.15	109.30	122.26
2	63	214	PHE	CA-C-N	-8.15	109.30	122.26
2	63	214	PHE	C-N-CA	-8.15	109.30	122.26
2	67	214	PHE	CA-C-N	-8.15	109.30	122.26
2	67	214	PHE	C-N-CA	-8.15	109.30	122.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7B	214	PHE	CA-C-N	-8.15	109.30	122.26
2	7B	214	PHE	C-N-CA	-8.15	109.30	122.26
1	1Q	51	LEU	CB-CG-CD1	8.15	135.14	110.70
1	1U	51	LEU	CB-CG-CD1	8.15	135.14	110.70
1	1Y	51	LEU	CB-CG-CD1	8.15	135.14	110.70
1	2Q	51	LEU	CB-CG-CD1	8.15	135.14	110.70
1	2U	51	LEU	CB-CG-CD1	8.15	135.14	110.70
1	2Y	51	LEU	CB-CG-CD1	8.15	135.14	110.70
1	42	51	LEU	CB-CG-CD1	8.15	135.14	110.70
1	46	51	LEU	CB-CG-CD1	8.15	135.14	110.70
1	5A	51	LEU	CB-CG-CD1	8.15	135.14	110.70
1	52	51	LEU	CB-CG-CD1	8.15	135.14	110.70
1	56	51	LEU	CB-CG-CD1	8.15	135.14	110.70
1	6A	51	LEU	CB-CG-CD1	8.15	135.14	110.70
1	1M	51	LEU	CB-CG-CD1	8.14	135.12	110.70
1	12	51	LEU	CB-CG-CD1	8.14	135.11	110.70
1	16	51	LEU	CB-CG-CD1	8.14	135.11	110.70
1	2A	51	LEU	CB-CG-CD1	8.14	135.11	110.70
1	2I	51	LEU	CB-CG-CD1	8.14	135.12	110.70
1	3A	51	LEU	CB-CG-CD1	8.14	135.12	110.70
1	3I	51	LEU	CB-CG-CD1	8.14	135.12	110.70
1	3Q	51	LEU	CB-CG-CD1	8.14	135.11	110.70
1	3U	51	LEU	CB-CG-CD1	8.14	135.11	110.70
1	3Y	51	LEU	CB-CG-CD1	8.14	135.11	110.70
1	32	51	LEU	CB-CG-CD1	8.14	135.12	110.70
1	4E	51	LEU	CB-CG-CD1	8.14	135.12	110.70
1	4Y	51	LEU	CB-CG-CD1	8.14	135.12	110.70
1	5E	51	LEU	CB-CG-CD1	8.14	135.11	110.70
1	5I	51	LEU	CB-CG-CD1	8.14	135.11	110.70
1	5M	51	LEU	CB-CG-CD1	8.14	135.11	110.70
1	5U	51	LEU	CB-CG-CD1	8.14	135.12	110.70
1	6M	51	LEU	CB-CG-CD1	8.14	135.12	110.70
1	6U	51	LEU	CB-CG-CD1	8.14	135.12	110.70
1	62	51	LEU	CB-CG-CD1	8.14	135.11	110.70
1	66	51	LEU	CB-CG-CD1	8.14	135.11	110.70
1	7A	51	LEU	CB-CG-CD1	8.14	135.11	110.70
1	7E	51	LEU	CB-CG-CD1	8.14	135.12	110.70
1	7Q	51	LEU	CB-CG-CD1	8.14	135.12	110.70
1	1E	51	LEU	CB-CG-CD1	8.13	135.10	110.70
1	2M	51	LEU	CB-CG-CD1	8.13	135.10	110.70
1	22	51	LEU	CB-CG-CD1	8.13	135.10	110.70
1	3M	51	LEU	CB-CG-CD1	8.13	135.10	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	51	LEU	CB-CG-CD1	8.13	135.10	110.70
1	4I	51	LEU	CB-CG-CD1	8.13	135.10	110.70
1	4Q	51	LEU	CB-CG-CD1	8.13	135.10	110.70
1	5Y	51	LEU	CB-CG-CD1	8.13	135.10	110.70
1	6E	51	LEU	CB-CG-CD1	8.13	135.10	110.70
1	6Y	51	LEU	CB-CG-CD1	8.13	135.10	110.70
1	7I	51	LEU	CB-CG-CD1	8.13	135.10	110.70
1	7U	51	LEU	CB-CG-CD1	8.13	135.10	110.70
2	1B	8	VAL	CB-CA-C	8.13	124.63	111.29
2	1J	8	VAL	CB-CA-C	8.13	124.63	111.29
2	1R	225	ASN	CA-C-N	-8.13	107.33	121.97
2	1R	225	ASN	C-N-CA	-8.13	107.33	121.97
2	1V	225	ASN	CA-C-N	-8.13	107.33	121.97
2	1V	225	ASN	C-N-CA	-8.13	107.33	121.97
2	1Z	225	ASN	CA-C-N	-8.13	107.33	121.97
2	1Z	225	ASN	C-N-CA	-8.13	107.33	121.97
2	2R	225	ASN	C-N-CA	-8.13	107.33	121.97
2	2V	225	ASN	C-N-CA	-8.13	107.33	121.97
2	2Z	225	ASN	C-N-CA	-8.13	107.33	121.97
2	1R	5	ASN	N-CA-CB	8.13	123.88	110.63
2	1V	5	ASN	N-CA-CB	8.13	123.88	110.63
2	1Z	5	ASN	N-CA-CB	8.13	123.88	110.63
2	2F	8	VAL	CB-CA-C	8.13	124.63	111.29
2	2R	225	ASN	CA-C-N	-8.13	107.33	121.97
2	2V	225	ASN	CA-C-N	-8.13	107.33	121.97
2	2Z	225	ASN	CA-C-N	-8.13	107.33	121.97
2	3F	8	VAL	CB-CA-C	8.13	124.63	111.29
2	4B	8	VAL	CB-CA-C	8.13	124.63	111.29
2	4V	8	VAL	CB-CA-C	8.13	124.63	111.29
2	47	225	ASN	CA-C-N	-8.13	107.33	121.97
2	47	225	ASN	C-N-CA	-8.13	107.33	121.97
2	57	225	ASN	CA-C-N	-8.13	107.33	121.97
2	57	225	ASN	C-N-CA	-8.13	107.33	121.97
2	13	8	VAL	CB-CA-C	8.13	124.62	111.29
2	17	8	VAL	CB-CA-C	8.13	124.62	111.29
2	2B	8	VAL	CB-CA-C	8.13	124.62	111.29
2	2R	5	ASN	N-CA-CB	8.13	123.88	110.63
2	2V	5	ASN	N-CA-CB	8.13	123.88	110.63
2	2Z	5	ASN	N-CA-CB	8.13	123.88	110.63
2	27	8	VAL	CB-CA-C	8.13	124.63	111.29
2	4N	8	VAL	CB-CA-C	8.13	124.63	111.29
2	43	225	ASN	CA-C-N	-8.13	107.33	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	43	225	ASN	C-N-CA	-8.13	107.33	121.97
2	5B	225	ASN	CA-C-N	-8.13	107.33	121.97
2	5B	225	ASN	C-N-CA	-8.13	107.33	121.97
2	5R	8	VAL	CB-CA-C	8.13	124.63	111.29
2	53	225	ASN	CA-C-N	-8.13	107.33	121.97
2	53	225	ASN	C-N-CA	-8.13	107.33	121.97
2	6B	225	ASN	CA-C-N	-8.13	107.33	121.97
2	6B	225	ASN	C-N-CA	-8.13	107.33	121.97
2	3R	8	VAL	CB-CA-C	8.13	124.62	111.29
2	3V	8	VAL	CB-CA-C	8.13	124.62	111.29
2	3Z	8	VAL	CB-CA-C	8.13	124.62	111.29
2	43	5	ASN	N-CA-CB	8.13	123.88	110.63
2	47	5	ASN	N-CA-CB	8.13	123.88	110.63
2	5B	5	ASN	N-CA-CB	8.13	123.88	110.63
2	6R	8	VAL	CB-CA-C	8.13	124.63	111.29
2	7N	8	VAL	CB-CA-C	8.13	124.63	111.29
2	5F	8	VAL	CB-CA-C	8.13	124.62	111.29
2	5J	8	VAL	CB-CA-C	8.13	124.62	111.29
2	5N	8	VAL	CB-CA-C	8.13	124.62	111.29
2	53	5	ASN	N-CA-CB	8.13	123.88	110.63
2	57	5	ASN	N-CA-CB	8.13	123.88	110.63
2	6B	5	ASN	N-CA-CB	8.13	123.88	110.63
2	6J	8	VAL	CB-CA-C	8.13	124.63	111.29
2	63	8	VAL	CB-CA-C	8.13	124.62	111.29
2	67	8	VAL	CB-CA-C	8.13	124.62	111.29
2	7B	8	VAL	CB-CA-C	8.13	124.62	111.29
1	1A	51	LEU	CB-CG-CD1	8.13	135.08	110.70
2	1B	225	ASN	CA-C-N	-8.13	107.34	121.97
2	1B	225	ASN	C-N-CA	-8.13	107.34	121.97
1	1I	51	LEU	CB-CG-CD1	8.13	135.08	110.70
2	1J	225	ASN	CA-C-N	-8.13	107.34	121.97
2	1J	225	ASN	C-N-CA	-8.13	107.34	121.97
2	1N	5	ASN	N-CA-CB	8.13	123.88	110.63
1	2E	51	LEU	CB-CG-CD1	8.13	135.08	110.70
2	2F	225	ASN	CA-C-N	-8.13	107.34	121.97
2	2F	225	ASN	C-N-CA	-8.13	107.34	121.97
2	2J	5	ASN	N-CA-CB	8.13	123.88	110.63
1	26	51	LEU	CB-CG-CD1	8.13	135.08	110.70
2	27	225	ASN	CA-C-N	-8.13	107.34	121.97
2	27	225	ASN	C-N-CA	-8.13	107.34	121.97
2	3B	5	ASN	N-CA-CB	8.13	123.88	110.63
1	3E	51	LEU	CB-CG-CD1	8.13	135.08	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	225	ASN	CA-C-N	-8.13	107.34	121.97
2	3F	225	ASN	C-N-CA	-8.13	107.34	121.97
2	3J	5	ASN	N-CA-CB	8.13	123.88	110.63
2	33	5	ASN	N-CA-CB	8.13	123.88	110.63
1	4A	51	LEU	CB-CG-CD1	8.13	135.08	110.70
2	4B	225	ASN	CA-C-N	-8.13	107.34	121.97
2	4B	225	ASN	C-N-CA	-8.13	107.34	121.97
2	4F	5	ASN	N-CA-CB	8.13	123.88	110.63
1	4M	51	LEU	CB-CG-CD1	8.13	135.08	110.70
2	4N	225	ASN	CA-C-N	-8.13	107.34	121.97
2	4N	225	ASN	C-N-CA	-8.13	107.34	121.97
1	4U	51	LEU	CB-CG-CD1	8.13	135.08	110.70
2	4V	225	ASN	CA-C-N	-8.13	107.34	121.97
2	4V	225	ASN	C-N-CA	-8.13	107.34	121.97
2	4Z	5	ASN	N-CA-CB	8.13	123.88	110.63
1	5Q	51	LEU	CB-CG-CD1	8.13	135.08	110.70
2	5R	225	ASN	CA-C-N	-8.13	107.34	121.97
2	5R	225	ASN	C-N-CA	-8.13	107.34	121.97
2	5V	5	ASN	N-CA-CB	8.13	123.88	110.63
1	6I	51	LEU	CB-CG-CD1	8.13	135.08	110.70
2	6J	225	ASN	CA-C-N	-8.13	107.34	121.97
2	6J	225	ASN	C-N-CA	-8.13	107.34	121.97
2	6N	5	ASN	N-CA-CB	8.13	123.88	110.63
1	6Q	51	LEU	CB-CG-CD1	8.13	135.08	110.70
2	6R	225	ASN	CA-C-N	-8.13	107.34	121.97
2	6R	225	ASN	C-N-CA	-8.13	107.34	121.97
2	6V	5	ASN	N-CA-CB	8.13	123.88	110.63
2	7F	5	ASN	N-CA-CB	8.13	123.88	110.63
1	7M	51	LEU	CB-CG-CD1	8.13	135.08	110.70
2	7N	225	ASN	CA-C-N	-8.13	107.34	121.97
2	7N	225	ASN	C-N-CA	-8.13	107.34	121.97
2	7R	5	ASN	N-CA-CB	8.13	123.88	110.63
2	1R	8	VAL	CB-CA-C	8.12	124.61	111.29
2	1V	8	VAL	CB-CA-C	8.12	124.61	111.29
2	1Z	8	VAL	CB-CA-C	8.12	124.61	111.29
2	2R	8	VAL	CB-CA-C	8.12	124.61	111.29
2	2V	8	VAL	CB-CA-C	8.12	124.61	111.29
2	2Z	8	VAL	CB-CA-C	8.12	124.61	111.29
2	43	8	VAL	CB-CA-C	8.12	124.61	111.29
2	47	8	VAL	CB-CA-C	8.12	124.61	111.29
2	5B	8	VAL	CB-CA-C	8.12	124.61	111.29
2	53	8	VAL	CB-CA-C	8.12	124.61	111.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	8	VAL	CB-CA-C	8.12	124.61	111.29
2	6B	8	VAL	CB-CA-C	8.12	124.61	111.29
2	1B	5	ASN	N-CA-CB	8.12	123.87	110.63
2	1J	5	ASN	N-CA-CB	8.12	123.87	110.63
2	1N	27	PRO	CA-C-O	-8.12	105.82	120.60
2	1N	8	VAL	CB-CA-C	8.12	124.61	111.29
2	13	225	ASN	CA-C-N	-8.12	107.35	121.97
2	13	225	ASN	C-N-CA	-8.12	107.35	121.97
2	17	225	ASN	CA-C-N	-8.12	107.35	121.97
2	17	225	ASN	C-N-CA	-8.12	107.35	121.97
2	2B	225	ASN	CA-C-N	-8.12	107.35	121.97
2	2B	225	ASN	C-N-CA	-8.12	107.35	121.97
2	2F	5	ASN	N-CA-CB	8.12	123.87	110.63
2	2J	27	PRO	CA-C-O	-8.12	105.82	120.60
2	2J	8	VAL	CB-CA-C	8.12	124.61	111.29
2	27	5	ASN	N-CA-CB	8.12	123.87	110.63
2	3B	27	PRO	CA-C-O	-8.12	105.82	120.60
2	33	27	PRO	CA-C-O	-8.12	105.82	120.60
2	3B	8	VAL	CB-CA-C	8.12	124.61	111.29
2	3F	5	ASN	N-CA-CB	8.12	123.87	110.63
2	3J	27	PRO	CA-C-O	-8.12	105.82	120.60
2	3J	8	VAL	CB-CA-C	8.12	124.61	111.29
2	3R	225	ASN	CA-C-N	-8.12	107.35	121.97
2	3R	225	ASN	C-N-CA	-8.12	107.35	121.97
2	3V	225	ASN	CA-C-N	-8.12	107.35	121.97
2	3V	225	ASN	C-N-CA	-8.12	107.35	121.97
2	3Z	225	ASN	CA-C-N	-8.12	107.35	121.97
2	3Z	225	ASN	C-N-CA	-8.12	107.35	121.97
2	33	8	VAL	CB-CA-C	8.12	124.61	111.29
2	4B	5	ASN	N-CA-CB	8.12	123.87	110.63
2	4F	27	PRO	CA-C-O	-8.12	105.82	120.60
2	4Z	27	PRO	CA-C-O	-8.12	105.82	120.60
2	4F	8	VAL	CB-CA-C	8.12	124.61	111.29
2	4N	5	ASN	N-CA-CB	8.12	123.87	110.63
2	4V	5	ASN	N-CA-CB	8.12	123.87	110.63
2	4Z	8	VAL	CB-CA-C	8.12	124.61	111.29
2	5F	225	ASN	CA-C-N	-8.12	107.35	121.97
2	5F	225	ASN	C-N-CA	-8.12	107.35	121.97
2	5J	225	ASN	CA-C-N	-8.12	107.35	121.97
2	5J	225	ASN	C-N-CA	-8.12	107.35	121.97
2	5N	225	ASN	CA-C-N	-8.12	107.35	121.97
2	5N	225	ASN	C-N-CA	-8.12	107.35	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5R	5	ASN	N-CA-CB	8.12	123.87	110.63
2	5V	27	PRO	CA-C-O	-8.12	105.82	120.60
2	5V	8	VAL	CB-CA-C	8.12	124.61	111.29
2	6J	5	ASN	N-CA-CB	8.12	123.87	110.63
2	6N	27	PRO	CA-C-O	-8.12	105.82	120.60
2	6V	27	PRO	CA-C-O	-8.12	105.82	120.60
2	6N	8	VAL	CB-CA-C	8.12	124.61	111.29
2	6R	5	ASN	N-CA-CB	8.12	123.87	110.63
2	6V	8	VAL	CB-CA-C	8.12	124.61	111.29
2	63	225	ASN	CA-C-N	-8.12	107.35	121.97
2	63	225	ASN	C-N-CA	-8.12	107.35	121.97
2	67	225	ASN	CA-C-N	-8.12	107.35	121.97
2	67	225	ASN	C-N-CA	-8.12	107.35	121.97
2	7B	225	ASN	CA-C-N	-8.12	107.35	121.97
2	7B	225	ASN	C-N-CA	-8.12	107.35	121.97
2	7F	27	PRO	CA-C-O	-8.12	105.82	120.60
2	7F	8	VAL	CB-CA-C	8.12	124.61	111.29
2	7N	5	ASN	N-CA-CB	8.12	123.87	110.63
2	7R	27	PRO	CA-C-O	-8.12	105.82	120.60
2	7R	8	VAL	CB-CA-C	8.12	124.61	111.29
2	1N	225	ASN	CA-C-N	-8.12	107.36	121.97
2	1N	225	ASN	C-N-CA	-8.12	107.36	121.97
2	2J	225	ASN	CA-C-N	-8.12	107.36	121.97
2	2J	225	ASN	C-N-CA	-8.12	107.36	121.97
2	3B	225	ASN	CA-C-N	-8.12	107.36	121.97
2	3B	225	ASN	C-N-CA	-8.12	107.36	121.97
2	3J	225	ASN	CA-C-N	-8.12	107.36	121.97
2	3J	225	ASN	C-N-CA	-8.12	107.36	121.97
2	33	225	ASN	CA-C-N	-8.12	107.36	121.97
2	33	225	ASN	C-N-CA	-8.12	107.36	121.97
2	4F	225	ASN	CA-C-N	-8.12	107.36	121.97
2	4F	225	ASN	C-N-CA	-8.12	107.36	121.97
2	4Z	225	ASN	CA-C-N	-8.12	107.36	121.97
2	4Z	225	ASN	C-N-CA	-8.12	107.36	121.97
2	5V	225	ASN	CA-C-N	-8.12	107.36	121.97
2	5V	225	ASN	C-N-CA	-8.12	107.36	121.97
2	6N	225	ASN	CA-C-N	-8.12	107.36	121.97
2	6N	225	ASN	C-N-CA	-8.12	107.36	121.97
2	6V	225	ASN	CA-C-N	-8.12	107.36	121.97
2	6V	225	ASN	C-N-CA	-8.12	107.36	121.97
2	7F	225	ASN	CA-C-N	-8.12	107.36	121.97
2	7F	225	ASN	C-N-CA	-8.12	107.36	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	225	ASN	CA-C-N	-8.12	107.36	121.97
2	7R	225	ASN	C-N-CA	-8.12	107.36	121.97
2	1B	27	PRO	CA-C-O	-8.11	105.83	120.60
2	1F	5	ASN	N-CA-CB	8.11	123.85	110.63
2	1J	27	PRO	CA-C-O	-8.11	105.83	120.60
2	2F	27	PRO	CA-C-O	-8.11	105.83	120.60
2	2N	5	ASN	N-CA-CB	8.11	123.85	110.63
2	23	5	ASN	N-CA-CB	8.11	123.85	110.63
2	27	27	PRO	CA-C-O	-8.11	105.83	120.60
2	3F	27	PRO	CA-C-O	-8.11	105.83	120.60
2	3N	5	ASN	N-CA-CB	8.11	123.85	110.63
2	37	5	ASN	N-CA-CB	8.11	123.85	110.63
2	4B	27	PRO	CA-C-O	-8.11	105.83	120.60
2	4J	5	ASN	N-CA-CB	8.11	123.85	110.63
2	4N	27	PRO	CA-C-O	-8.11	105.83	120.60
2	4R	5	ASN	N-CA-CB	8.11	123.85	110.63
2	4V	27	PRO	CA-C-O	-8.11	105.83	120.60
2	5R	27	PRO	CA-C-O	-8.11	105.83	120.60
2	5Z	5	ASN	N-CA-CB	8.11	123.85	110.63
2	6F	5	ASN	N-CA-CB	8.11	123.85	110.63
2	6J	27	PRO	CA-C-O	-8.11	105.83	120.60
2	6R	27	PRO	CA-C-O	-8.11	105.83	120.60
2	6Z	5	ASN	N-CA-CB	8.11	123.85	110.63
2	7J	5	ASN	N-CA-CB	8.11	123.85	110.63
2	7N	27	PRO	CA-C-O	-8.11	105.83	120.60
2	7V	5	ASN	N-CA-CB	8.11	123.85	110.63
2	1F	27	PRO	CA-C-O	-8.11	105.84	120.60
1	1Q	150	TYR	CA-C-N	-8.11	107.59	120.81
1	1Q	150	TYR	C-N-CA	-8.11	107.59	120.81
1	1U	150	TYR	CA-C-N	-8.11	107.59	120.81
1	1U	150	TYR	C-N-CA	-8.11	107.59	120.81
1	1Y	150	TYR	CA-C-N	-8.11	107.59	120.81
1	1Y	150	TYR	C-N-CA	-8.11	107.59	120.81
2	2N	27	PRO	CA-C-O	-8.11	105.84	120.60
1	2Q	150	TYR	CA-C-N	-8.11	107.59	120.81
1	2Q	150	TYR	C-N-CA	-8.11	107.59	120.81
1	2U	150	TYR	CA-C-N	-8.11	107.59	120.81
1	2U	150	TYR	C-N-CA	-8.11	107.59	120.81
1	2Y	150	TYR	CA-C-N	-8.11	107.59	120.81
1	2Y	150	TYR	C-N-CA	-8.11	107.59	120.81
2	23	27	PRO	CA-C-O	-8.11	105.84	120.60
2	3N	27	PRO	CA-C-O	-8.11	105.84	120.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	27	PRO	CA-C-O	-8.11	105.84	120.60
2	4J	27	PRO	CA-C-O	-8.11	105.84	120.60
2	4R	27	PRO	CA-C-O	-8.11	105.84	120.60
1	42	150	TYR	CA-C-N	-8.11	107.59	120.81
1	42	150	TYR	C-N-CA	-8.11	107.59	120.81
1	46	150	TYR	CA-C-N	-8.11	107.59	120.81
1	46	150	TYR	C-N-CA	-8.11	107.59	120.81
1	5A	150	TYR	CA-C-N	-8.11	107.59	120.81
1	5A	150	TYR	C-N-CA	-8.11	107.59	120.81
2	5Z	27	PRO	CA-C-O	-8.11	105.84	120.60
1	52	150	TYR	CA-C-N	-8.11	107.59	120.81
1	52	150	TYR	C-N-CA	-8.11	107.59	120.81
1	56	150	TYR	CA-C-N	-8.11	107.59	120.81
1	56	150	TYR	C-N-CA	-8.11	107.59	120.81
1	6A	150	TYR	CA-C-N	-8.11	107.59	120.81
1	6A	150	TYR	C-N-CA	-8.11	107.59	120.81
2	6F	27	PRO	CA-C-O	-8.11	105.84	120.60
2	6Z	27	PRO	CA-C-O	-8.11	105.84	120.60
2	7J	27	PRO	CA-C-O	-8.11	105.84	120.60
2	7V	27	PRO	CA-C-O	-8.11	105.84	120.60
2	1F	225	ASN	CA-C-N	-8.11	107.38	121.97
2	1F	225	ASN	C-N-CA	-8.11	107.38	121.97
1	1M	150	TYR	CA-C-N	-8.11	107.60	120.81
1	1M	150	TYR	C-N-CA	-8.11	107.60	120.81
1	2I	150	TYR	CA-C-N	-8.11	107.60	120.81
1	2I	150	TYR	C-N-CA	-8.11	107.60	120.81
2	2N	225	ASN	CA-C-N	-8.11	107.38	121.97
2	2N	225	ASN	C-N-CA	-8.11	107.38	121.97
2	23	225	ASN	CA-C-N	-8.11	107.38	121.97
2	23	225	ASN	C-N-CA	-8.11	107.38	121.97
1	3A	150	TYR	CA-C-N	-8.11	107.60	120.81
1	3A	150	TYR	C-N-CA	-8.11	107.60	120.81
1	3I	150	TYR	CA-C-N	-8.11	107.60	120.81
1	3I	150	TYR	C-N-CA	-8.11	107.60	120.81
2	3N	225	ASN	CA-C-N	-8.11	107.38	121.97
2	3N	225	ASN	C-N-CA	-8.11	107.38	121.97
1	32	150	TYR	CA-C-N	-8.11	107.60	120.81
1	32	150	TYR	C-N-CA	-8.11	107.60	120.81
2	37	225	ASN	CA-C-N	-8.11	107.38	121.97
2	37	225	ASN	C-N-CA	-8.11	107.38	121.97
1	4E	150	TYR	CA-C-N	-8.11	107.60	120.81
1	4E	150	TYR	C-N-CA	-8.11	107.60	120.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4J	225	ASN	CA-C-N	-8.11	107.38	121.97
2	4J	225	ASN	C-N-CA	-8.11	107.38	121.97
2	4R	225	ASN	CA-C-N	-8.11	107.38	121.97
2	4R	225	ASN	C-N-CA	-8.11	107.38	121.97
1	4Y	150	TYR	CA-C-N	-8.11	107.60	120.81
1	4Y	150	TYR	C-N-CA	-8.11	107.60	120.81
1	5U	150	TYR	CA-C-N	-8.11	107.60	120.81
1	5U	150	TYR	C-N-CA	-8.11	107.60	120.81
2	5Z	225	ASN	CA-C-N	-8.11	107.38	121.97
2	5Z	225	ASN	C-N-CA	-8.11	107.38	121.97
2	6F	225	ASN	CA-C-N	-8.11	107.38	121.97
2	6F	225	ASN	C-N-CA	-8.11	107.38	121.97
1	6M	150	TYR	CA-C-N	-8.11	107.60	120.81
1	6M	150	TYR	C-N-CA	-8.11	107.60	120.81
1	6U	150	TYR	CA-C-N	-8.11	107.60	120.81
1	6U	150	TYR	C-N-CA	-8.11	107.60	120.81
2	6Z	225	ASN	CA-C-N	-8.11	107.38	121.97
2	6Z	225	ASN	C-N-CA	-8.11	107.38	121.97
1	7E	150	TYR	CA-C-N	-8.11	107.60	120.81
1	7E	150	TYR	C-N-CA	-8.11	107.60	120.81
2	7J	225	ASN	CA-C-N	-8.11	107.38	121.97
2	7J	225	ASN	C-N-CA	-8.11	107.38	121.97
1	7Q	150	TYR	CA-C-N	-8.11	107.60	120.81
1	7Q	150	TYR	C-N-CA	-8.11	107.60	120.81
2	7V	225	ASN	CA-C-N	-8.11	107.38	121.97
2	7V	225	ASN	C-N-CA	-8.11	107.38	121.97
2	13	5	ASN	N-CA-CB	8.10	123.84	110.63
2	17	5	ASN	N-CA-CB	8.10	123.84	110.63
2	2B	5	ASN	N-CA-CB	8.10	123.84	110.63
2	3R	5	ASN	N-CA-CB	8.10	123.84	110.63
2	3V	5	ASN	N-CA-CB	8.10	123.84	110.63
2	3Z	5	ASN	N-CA-CB	8.10	123.84	110.63
2	5F	5	ASN	N-CA-CB	8.10	123.84	110.63
2	5J	5	ASN	N-CA-CB	8.10	123.84	110.63
2	5N	5	ASN	N-CA-CB	8.10	123.84	110.63
2	63	5	ASN	N-CA-CB	8.10	123.84	110.63
2	67	5	ASN	N-CA-CB	8.10	123.84	110.63
2	7B	5	ASN	N-CA-CB	8.10	123.84	110.63
2	1N	36	SER	CA-CB-OG	-8.10	94.90	111.10
2	2J	36	SER	CA-CB-OG	-8.10	94.90	111.10
2	3B	36	SER	CA-CB-OG	-8.10	94.90	111.10
2	3J	36	SER	CA-CB-OG	-8.10	94.90	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	36	SER	CA-CB-OG	-8.10	94.90	111.10
2	4F	36	SER	CA-CB-OG	-8.10	94.90	111.10
2	4Z	36	SER	CA-CB-OG	-8.10	94.90	111.10
2	5V	36	SER	CA-CB-OG	-8.10	94.90	111.10
2	6N	36	SER	CA-CB-OG	-8.10	94.90	111.10
2	6V	36	SER	CA-CB-OG	-8.10	94.90	111.10
2	7F	36	SER	CA-CB-OG	-8.10	94.90	111.10
2	7R	36	SER	CA-CB-OG	-8.10	94.90	111.10
2	1R	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	1V	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	1Z	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	13	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	17	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	2B	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	2R	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	2V	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	2Z	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	3R	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	3V	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	3Z	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	43	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	47	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	5B	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	5F	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	5J	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	5N	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	53	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	57	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	6B	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	63	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	67	36	SER	CA-CB-OG	-8.10	94.91	111.10
2	7B	36	SER	CA-CB-OG	-8.10	94.91	111.10
1	1A	150	TYR	CA-C-N	-8.09	107.62	120.81
1	1A	150	TYR	C-N-CA	-8.09	107.62	120.81
1	1I	150	TYR	CA-C-N	-8.09	107.62	120.81
1	1I	150	TYR	C-N-CA	-8.09	107.62	120.81
1	2E	150	TYR	CA-C-N	-8.09	107.62	120.81
1	2E	150	TYR	C-N-CA	-8.09	107.62	120.81
1	26	150	TYR	CA-C-N	-8.09	107.62	120.81
1	26	150	TYR	C-N-CA	-8.09	107.62	120.81
1	3E	150	TYR	CA-C-N	-8.09	107.62	120.81
1	3E	150	TYR	C-N-CA	-8.09	107.62	120.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	150	TYR	CA-C-N	-8.09	107.62	120.81
1	4A	150	TYR	C-N-CA	-8.09	107.62	120.81
1	4M	150	TYR	CA-C-N	-8.09	107.62	120.81
1	4M	150	TYR	C-N-CA	-8.09	107.62	120.81
1	4U	150	TYR	CA-C-N	-8.09	107.62	120.81
1	4U	150	TYR	C-N-CA	-8.09	107.62	120.81
1	5Q	150	TYR	CA-C-N	-8.09	107.62	120.81
1	5Q	150	TYR	C-N-CA	-8.09	107.62	120.81
1	6I	150	TYR	CA-C-N	-8.09	107.62	120.81
1	6I	150	TYR	C-N-CA	-8.09	107.62	120.81
1	6Q	150	TYR	CA-C-N	-8.09	107.62	120.81
1	6Q	150	TYR	C-N-CA	-8.09	107.62	120.81
1	7M	150	TYR	CA-C-N	-8.09	107.62	120.81
1	7M	150	TYR	C-N-CA	-8.09	107.62	120.81
2	1R	27	PRO	CA-C-O	-8.09	105.88	120.60
2	1V	27	PRO	CA-C-O	-8.09	105.88	120.60
2	1Z	27	PRO	CA-C-O	-8.09	105.88	120.60
2	2R	27	PRO	CA-C-O	-8.09	105.88	120.60
2	2V	27	PRO	CA-C-O	-8.09	105.88	120.60
2	2Z	27	PRO	CA-C-O	-8.09	105.88	120.60
2	43	27	PRO	CA-C-O	-8.09	105.88	120.60
2	47	27	PRO	CA-C-O	-8.09	105.88	120.60
2	5B	27	PRO	CA-C-O	-8.09	105.88	120.60
2	53	27	PRO	CA-C-O	-8.09	105.88	120.60
2	57	27	PRO	CA-C-O	-8.09	105.88	120.60
2	6B	27	PRO	CA-C-O	-8.09	105.88	120.60
2	1B	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	1F	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	1J	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	2F	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	2N	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	23	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	27	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	3F	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	3N	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	37	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	4B	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	4J	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	4N	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	4R	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	4V	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	5R	36	SER	CA-CB-OG	-8.09	94.93	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5Z	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	6F	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	6J	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	6R	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	6Z	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	7J	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	7N	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	7V	36	SER	CA-CB-OG	-8.09	94.93	111.10
2	1R	1	ALA	CB-CA-C	8.08	122.63	110.50
2	1V	1	ALA	CB-CA-C	8.08	122.63	110.50
2	1Z	1	ALA	CB-CA-C	8.08	122.63	110.50
1	12	150	TYR	CA-C-N	-8.08	107.63	120.81
1	12	150	TYR	C-N-CA	-8.08	107.63	120.81
2	2R	1	ALA	CB-CA-C	8.08	122.63	110.50
1	3Q	150	TYR	CA-C-N	-8.08	107.63	120.81
2	47	1	ALA	CB-CA-C	8.08	122.63	110.50
1	62	150	TYR	CA-C-N	-8.08	107.63	120.81
1	1E	150	TYR	CA-C-N	-8.08	107.64	120.81
1	1E	150	TYR	C-N-CA	-8.08	107.64	120.81
2	13	27	PRO	CA-C-O	-8.08	105.89	120.60
1	16	150	TYR	CA-C-N	-8.08	107.63	120.81
1	16	150	TYR	C-N-CA	-8.08	107.63	120.81
2	17	27	PRO	CA-C-O	-8.08	105.89	120.60
1	2A	150	TYR	CA-C-N	-8.08	107.63	120.81
1	2A	150	TYR	C-N-CA	-8.08	107.63	120.81
2	2B	27	PRO	CA-C-O	-8.08	105.89	120.60
2	2V	1	ALA	CB-CA-C	8.08	122.63	110.50
2	2Z	1	ALA	CB-CA-C	8.08	122.63	110.50
1	3Q	150	TYR	C-N-CA	-8.08	107.63	120.81
2	5B	1	ALA	CB-CA-C	8.08	122.63	110.50
1	5E	150	TYR	CA-C-N	-8.08	107.63	120.81
1	5E	150	TYR	C-N-CA	-8.08	107.63	120.81
1	5I	150	TYR	CA-C-N	-8.08	107.63	120.81
2	53	1	ALA	CB-CA-C	8.08	122.63	110.50
1	2M	150	TYR	CA-C-N	-8.08	107.64	120.81
1	2M	150	TYR	C-N-CA	-8.08	107.64	120.81
1	22	150	TYR	CA-C-N	-8.08	107.64	120.81
1	22	150	TYR	C-N-CA	-8.08	107.64	120.81
1	3M	150	TYR	CA-C-N	-8.08	107.64	120.81
1	3M	150	TYR	C-N-CA	-8.08	107.64	120.81
2	3R	27	PRO	CA-C-O	-8.08	105.89	120.60
1	3U	150	TYR	CA-C-N	-8.08	107.63	120.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	150	TYR	C-N-CA	-8.08	107.63	120.81
2	3V	27	PRO	CA-C-O	-8.08	105.89	120.60
1	3Y	150	TYR	CA-C-N	-8.08	107.63	120.81
1	3Y	150	TYR	C-N-CA	-8.08	107.63	120.81
2	3Z	27	PRO	CA-C-O	-8.08	105.89	120.60
2	43	1	ALA	CB-CA-C	8.08	122.63	110.50
1	5I	150	TYR	C-N-CA	-8.08	107.63	120.81
1	5M	150	TYR	CA-C-N	-8.08	107.63	120.81
1	36	150	TYR	CA-C-N	-8.08	107.64	120.81
1	36	150	TYR	C-N-CA	-8.08	107.64	120.81
1	4I	150	TYR	CA-C-N	-8.08	107.64	120.81
1	4I	150	TYR	C-N-CA	-8.08	107.64	120.81
1	4Q	150	TYR	CA-C-N	-8.08	107.64	120.81
1	4Q	150	TYR	C-N-CA	-8.08	107.64	120.81
2	5F	27	PRO	CA-C-O	-8.08	105.89	120.60
2	5J	27	PRO	CA-C-O	-8.08	105.89	120.60
1	5M	150	TYR	C-N-CA	-8.08	107.63	120.81
2	5N	27	PRO	CA-C-O	-8.08	105.89	120.60
2	57	1	ALA	CB-CA-C	8.08	122.63	110.50
2	6B	1	ALA	CB-CA-C	8.08	122.63	110.50
1	62	150	TYR	C-N-CA	-8.08	107.63	120.81
1	66	150	TYR	CA-C-N	-8.08	107.63	120.81
1	66	150	TYR	C-N-CA	-8.08	107.63	120.81
1	7A	150	TYR	CA-C-N	-8.08	107.63	120.81
1	5Y	150	TYR	CA-C-N	-8.08	107.64	120.81
1	5Y	150	TYR	C-N-CA	-8.08	107.64	120.81
1	6E	150	TYR	CA-C-N	-8.08	107.64	120.81
1	6E	150	TYR	C-N-CA	-8.08	107.64	120.81
1	6Y	150	TYR	CA-C-N	-8.08	107.64	120.81
1	6Y	150	TYR	C-N-CA	-8.08	107.64	120.81
2	63	27	PRO	CA-C-O	-8.08	105.89	120.60
2	67	27	PRO	CA-C-O	-8.08	105.89	120.60
1	7A	150	TYR	C-N-CA	-8.08	107.63	120.81
2	7B	27	PRO	CA-C-O	-8.08	105.89	120.60
1	7I	150	TYR	CA-C-N	-8.08	107.64	120.81
1	7I	150	TYR	C-N-CA	-8.08	107.64	120.81
1	7U	150	TYR	CA-C-N	-8.08	107.64	120.81
1	7U	150	TYR	C-N-CA	-8.08	107.64	120.81
2	1B	1	ALA	CB-CA-C	8.08	122.62	110.50
2	1J	1	ALA	CB-CA-C	8.08	122.62	110.50
2	2F	1	ALA	CB-CA-C	8.08	122.62	110.50
2	27	1	ALA	CB-CA-C	8.08	122.62	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	1	ALA	CB-CA-C	8.08	122.62	110.50
2	4B	1	ALA	CB-CA-C	8.08	122.62	110.50
2	4N	1	ALA	CB-CA-C	8.08	122.62	110.50
2	4V	1	ALA	CB-CA-C	8.08	122.62	110.50
2	5R	1	ALA	CB-CA-C	8.08	122.62	110.50
2	6J	1	ALA	CB-CA-C	8.08	122.62	110.50
2	6R	1	ALA	CB-CA-C	8.08	122.62	110.50
2	7N	1	ALA	CB-CA-C	8.08	122.62	110.50
2	13	1	ALA	CB-CA-C	8.08	122.62	110.50
2	17	1	ALA	CB-CA-C	8.08	122.62	110.50
2	2B	1	ALA	CB-CA-C	8.08	122.62	110.50
2	3R	1	ALA	CB-CA-C	8.08	122.62	110.50
2	3V	1	ALA	CB-CA-C	8.08	122.62	110.50
2	3Z	1	ALA	CB-CA-C	8.08	122.62	110.50
2	5F	1	ALA	CB-CA-C	8.08	122.62	110.50
2	5J	1	ALA	CB-CA-C	8.08	122.62	110.50
2	5N	1	ALA	CB-CA-C	8.08	122.62	110.50
2	63	1	ALA	CB-CA-C	8.08	122.62	110.50
2	67	1	ALA	CB-CA-C	8.08	122.62	110.50
2	7B	1	ALA	CB-CA-C	8.08	122.62	110.50
2	1N	1	ALA	CB-CA-C	8.07	122.61	110.50
2	2J	1	ALA	CB-CA-C	8.07	122.61	110.50
2	3B	1	ALA	CB-CA-C	8.07	122.61	110.50
2	3J	1	ALA	CB-CA-C	8.07	122.61	110.50
2	33	1	ALA	CB-CA-C	8.07	122.61	110.50
2	4F	1	ALA	CB-CA-C	8.07	122.61	110.50
2	4Z	1	ALA	CB-CA-C	8.07	122.61	110.50
2	5V	1	ALA	CB-CA-C	8.07	122.61	110.50
2	6N	1	ALA	CB-CA-C	8.07	122.61	110.50
2	6V	1	ALA	CB-CA-C	8.07	122.61	110.50
2	7F	1	ALA	CB-CA-C	8.07	122.61	110.50
2	7R	1	ALA	CB-CA-C	8.07	122.61	110.50
2	13	42	HIS	CA-C-N	-8.07	110.02	121.72
2	13	42	HIS	C-N-CA	-8.07	110.02	121.72
2	17	42	HIS	CA-C-N	-8.07	110.02	121.72
2	17	42	HIS	C-N-CA	-8.07	110.02	121.72
2	2B	42	HIS	CA-C-N	-8.07	110.02	121.72
2	2B	42	HIS	C-N-CA	-8.07	110.02	121.72
2	3R	42	HIS	CA-C-N	-8.07	110.02	121.72
2	3R	42	HIS	C-N-CA	-8.07	110.02	121.72
2	3V	42	HIS	CA-C-N	-8.07	110.02	121.72
2	3V	42	HIS	C-N-CA	-8.07	110.02	121.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3Z	42	HIS	CA-C-N	-8.07	110.02	121.72
2	3Z	42	HIS	C-N-CA	-8.07	110.02	121.72
2	5F	42	HIS	CA-C-N	-8.07	110.02	121.72
2	5F	42	HIS	C-N-CA	-8.07	110.02	121.72
2	5J	42	HIS	CA-C-N	-8.07	110.02	121.72
2	5J	42	HIS	C-N-CA	-8.07	110.02	121.72
2	5N	42	HIS	CA-C-N	-8.07	110.02	121.72
2	5N	42	HIS	C-N-CA	-8.07	110.02	121.72
2	63	42	HIS	CA-C-N	-8.07	110.02	121.72
2	63	42	HIS	C-N-CA	-8.07	110.02	121.72
2	67	42	HIS	CA-C-N	-8.07	110.02	121.72
2	67	42	HIS	C-N-CA	-8.07	110.02	121.72
2	7B	42	HIS	CA-C-N	-8.07	110.02	121.72
2	7B	42	HIS	C-N-CA	-8.07	110.02	121.72
2	13	224	VAL	N-CA-C	-8.06	93.23	107.18
2	17	224	VAL	N-CA-C	-8.06	93.23	107.18
2	2B	224	VAL	N-CA-C	-8.06	93.23	107.18
2	3R	224	VAL	N-CA-C	-8.06	93.23	107.18
2	3V	224	VAL	N-CA-C	-8.06	93.23	107.18
2	3Z	224	VAL	N-CA-C	-8.06	93.23	107.18
2	5F	224	VAL	N-CA-C	-8.06	93.23	107.18
2	5J	224	VAL	N-CA-C	-8.06	93.23	107.18
2	5N	224	VAL	N-CA-C	-8.06	93.23	107.18
2	63	224	VAL	N-CA-C	-8.06	93.23	107.18
2	67	224	VAL	N-CA-C	-8.06	93.23	107.18
2	7B	224	VAL	N-CA-C	-8.06	93.23	107.18
1	1Q	42	VAL	CG1-CB-CG2	8.06	128.54	110.80
1	1U	42	VAL	CG1-CB-CG2	8.06	128.54	110.80
1	1Y	42	VAL	CG1-CB-CG2	8.06	128.54	110.80
1	2Q	42	VAL	CG1-CB-CG2	8.06	128.54	110.80
1	2U	42	VAL	CG1-CB-CG2	8.06	128.54	110.80
1	2Y	42	VAL	CG1-CB-CG2	8.06	128.54	110.80
1	42	42	VAL	CG1-CB-CG2	8.06	128.54	110.80
1	46	42	VAL	CG1-CB-CG2	8.06	128.54	110.80
1	5A	42	VAL	CG1-CB-CG2	8.06	128.54	110.80
1	52	42	VAL	CG1-CB-CG2	8.06	128.54	110.80
1	56	42	VAL	CG1-CB-CG2	8.06	128.54	110.80
1	6A	42	VAL	CG1-CB-CG2	8.06	128.54	110.80
1	1A	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
2	1B	42	HIS	CA-C-N	-8.06	110.03	121.72
2	1B	42	HIS	C-N-CA	-8.06	110.03	121.72
2	1F	1	ALA	CB-CA-C	8.06	122.59	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1I	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
2	1J	42	HIS	CA-C-N	-8.06	110.03	121.72
2	1J	42	HIS	C-N-CA	-8.06	110.03	121.72
1	12	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
1	16	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
1	2A	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
1	2E	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
2	2F	42	HIS	CA-C-N	-8.06	110.03	121.72
2	2F	42	HIS	C-N-CA	-8.06	110.03	121.72
2	2N	1	ALA	CB-CA-C	8.06	122.59	110.50
2	23	1	ALA	CB-CA-C	8.06	122.59	110.50
1	26	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
2	27	42	HIS	CA-C-N	-8.06	110.03	121.72
2	27	42	HIS	C-N-CA	-8.06	110.03	121.72
1	3E	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
2	3F	42	HIS	CA-C-N	-8.06	110.03	121.72
2	3F	42	HIS	C-N-CA	-8.06	110.03	121.72
2	3N	1	ALA	CB-CA-C	8.06	122.59	110.50
1	3Q	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
1	3U	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
1	3Y	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
2	37	1	ALA	CB-CA-C	8.06	122.59	110.50
1	4A	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
2	4B	42	HIS	CA-C-N	-8.06	110.03	121.72
2	4B	42	HIS	C-N-CA	-8.06	110.03	121.72
2	4J	1	ALA	CB-CA-C	8.06	122.59	110.50
1	4M	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
2	4N	42	HIS	CA-C-N	-8.06	110.03	121.72
2	4N	42	HIS	C-N-CA	-8.06	110.03	121.72
2	4R	1	ALA	CB-CA-C	8.06	122.59	110.50
1	4U	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
2	4V	42	HIS	CA-C-N	-8.06	110.03	121.72
2	4V	42	HIS	C-N-CA	-8.06	110.03	121.72
1	5E	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
1	5I	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
1	5M	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
1	5Q	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
2	5R	42	HIS	CA-C-N	-8.06	110.03	121.72
2	5R	42	HIS	C-N-CA	-8.06	110.03	121.72
2	5Z	1	ALA	CB-CA-C	8.06	122.59	110.50
2	6F	1	ALA	CB-CA-C	8.06	122.59	110.50
1	6I	42	VAL	CG1-CB-CG2	8.06	128.53	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6J	42	HIS	CA-C-N	-8.06	110.03	121.72
2	6J	42	HIS	C-N-CA	-8.06	110.03	121.72
1	6Q	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
2	6R	42	HIS	CA-C-N	-8.06	110.03	121.72
2	6R	42	HIS	C-N-CA	-8.06	110.03	121.72
2	6Z	1	ALA	CB-CA-C	8.06	122.59	110.50
1	62	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
1	66	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
1	7A	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
2	7J	1	ALA	CB-CA-C	8.06	122.59	110.50
1	7M	42	VAL	CG1-CB-CG2	8.06	128.53	110.80
2	7N	42	HIS	CA-C-N	-8.06	110.03	121.72
2	7N	42	HIS	C-N-CA	-8.06	110.03	121.72
2	7V	1	ALA	CB-CA-C	8.06	122.59	110.50
2	1R	42	HIS	CA-C-N	-8.05	110.04	121.72
2	1R	42	HIS	C-N-CA	-8.05	110.04	121.72
2	1V	42	HIS	CA-C-N	-8.05	110.04	121.72
2	1V	42	HIS	C-N-CA	-8.05	110.04	121.72
2	1Z	42	HIS	CA-C-N	-8.05	110.04	121.72
2	1Z	42	HIS	C-N-CA	-8.05	110.04	121.72
2	2R	42	HIS	CA-C-N	-8.05	110.04	121.72
2	2R	42	HIS	C-N-CA	-8.05	110.04	121.72
2	2V	42	HIS	CA-C-N	-8.05	110.04	121.72
2	2V	42	HIS	C-N-CA	-8.05	110.04	121.72
2	2Z	42	HIS	CA-C-N	-8.05	110.04	121.72
2	2Z	42	HIS	C-N-CA	-8.05	110.04	121.72
2	43	42	HIS	CA-C-N	-8.05	110.04	121.72
2	43	42	HIS	C-N-CA	-8.05	110.04	121.72
2	47	42	HIS	CA-C-N	-8.05	110.04	121.72
2	47	42	HIS	C-N-CA	-8.05	110.04	121.72
2	5B	42	HIS	CA-C-N	-8.05	110.04	121.72
2	5B	42	HIS	C-N-CA	-8.05	110.04	121.72
2	53	42	HIS	CA-C-N	-8.05	110.04	121.72
2	53	42	HIS	C-N-CA	-8.05	110.04	121.72
2	57	42	HIS	CA-C-N	-8.05	110.04	121.72
2	57	42	HIS	C-N-CA	-8.05	110.04	121.72
2	6B	42	HIS	CA-C-N	-8.05	110.04	121.72
2	6B	42	HIS	C-N-CA	-8.05	110.04	121.72
2	1B	224	VAL	N-CA-C	-8.05	93.26	107.18
1	1E	42	VAL	CG1-CB-CG2	8.05	128.50	110.80
2	1J	224	VAL	N-CA-C	-8.05	93.26	107.18
2	2F	224	VAL	N-CA-C	-8.05	93.26	107.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	42	VAL	CG1-CB-CG2	8.05	128.50	110.80
1	22	42	VAL	CG1-CB-CG2	8.05	128.50	110.80
2	27	224	VAL	N-CA-C	-8.05	93.26	107.18
2	3F	224	VAL	N-CA-C	-8.05	93.26	107.18
1	3M	42	VAL	CG1-CB-CG2	8.05	128.50	110.80
1	36	42	VAL	CG1-CB-CG2	8.05	128.50	110.80
2	4B	224	VAL	N-CA-C	-8.05	93.26	107.18
1	4I	42	VAL	CG1-CB-CG2	8.05	128.50	110.80
2	4N	224	VAL	N-CA-C	-8.05	93.26	107.18
1	4Q	42	VAL	CG1-CB-CG2	8.05	128.50	110.80
2	4V	224	VAL	N-CA-C	-8.05	93.26	107.18
2	5R	224	VAL	N-CA-C	-8.05	93.26	107.18
1	5Y	42	VAL	CG1-CB-CG2	8.05	128.50	110.80
1	6E	42	VAL	CG1-CB-CG2	8.05	128.50	110.80
2	6J	224	VAL	N-CA-C	-8.05	93.26	107.18
2	6R	224	VAL	N-CA-C	-8.05	93.26	107.18
1	6Y	42	VAL	CG1-CB-CG2	8.05	128.50	110.80
1	7I	42	VAL	CG1-CB-CG2	8.05	128.50	110.80
2	7N	224	VAL	N-CA-C	-8.05	93.26	107.18
1	7U	42	VAL	CG1-CB-CG2	8.05	128.50	110.80
2	1Z	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	13	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
1	3U	181	THR	N-CA-C	8.05	127.94	110.80
2	1F	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	1N	42	HIS	CA-C-N	-8.04	110.05	121.72
2	1N	42	HIS	C-N-CA	-8.04	110.05	121.72
2	1R	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	1V	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
1	12	181	THR	N-CA-C	8.05	127.94	110.80
1	16	181	THR	N-CA-C	8.05	127.94	110.80
2	17	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
1	2A	181	THR	N-CA-C	8.05	127.94	110.80
2	2B	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	3Z	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	43	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	5J	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	67	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	1N	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	1R	207	GLY	O-C-N	8.04	131.05	123.57
2	1V	207	GLY	O-C-N	8.04	131.05	123.57
2	1Z	207	GLY	O-C-N	8.04	131.05	123.57
2	2J	42	HIS	CA-C-N	-8.04	110.05	121.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2J	42	HIS	C-N-CA	-8.04	110.05	121.72
2	2R	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	2V	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	2Z	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	3V	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
1	5E	181	THR	N-CA-C	8.05	127.94	110.80
2	5N	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
1	62	181	THR	N-CA-C	8.05	127.94	110.80
2	2J	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	2N	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	2R	207	GLY	O-C-N	8.04	131.05	123.57
2	2V	207	GLY	O-C-N	8.04	131.05	123.57
2	2Z	207	GLY	O-C-N	8.04	131.05	123.57
2	23	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	3B	42	HIS	CA-C-N	-8.04	110.05	121.72
2	3B	42	HIS	C-N-CA	-8.04	110.05	121.72
2	3B	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	3J	42	HIS	CA-C-N	-8.04	110.05	121.72
2	3J	42	HIS	C-N-CA	-8.04	110.05	121.72
1	3Q	181	THR	N-CA-C	8.05	127.94	110.80
2	3R	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
1	3Y	181	THR	N-CA-C	8.05	127.94	110.80
2	47	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	5B	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	3J	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	3N	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	33	42	HIS	CA-C-N	-8.04	110.05	121.72
2	33	42	HIS	C-N-CA	-8.04	110.05	121.72
2	33	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	37	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	4F	42	HIS	CA-C-N	-8.04	110.05	121.72
2	4F	42	HIS	C-N-CA	-8.04	110.05	121.72
1	5M	181	THR	N-CA-C	8.05	127.94	110.80
2	7B	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	4F	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	4J	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	4R	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	4Z	42	HIS	CA-C-N	-8.04	110.05	121.72
2	4Z	42	HIS	C-N-CA	-8.04	110.05	121.72
2	5F	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
1	5I	181	THR	N-CA-C	8.05	127.94	110.80
2	57	74	TYR	CE1-CZ-OH	8.05	144.04	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6B	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	63	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
2	4Z	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	43	207	GLY	O-C-N	8.04	131.05	123.57
2	47	207	GLY	O-C-N	8.04	131.05	123.57
2	5B	207	GLY	O-C-N	8.04	131.05	123.57
2	5V	42	HIS	CA-C-N	-8.04	110.05	121.72
2	5V	42	HIS	C-N-CA	-8.04	110.05	121.72
2	53	74	TYR	CE1-CZ-OH	8.05	144.04	119.90
1	7A	181	THR	N-CA-C	8.05	127.94	110.80
2	5V	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	5Z	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	53	207	GLY	O-C-N	8.04	131.05	123.57
2	57	207	GLY	O-C-N	8.04	131.05	123.57
2	6B	207	GLY	O-C-N	8.04	131.05	123.57
2	6F	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	6N	42	HIS	CA-C-N	-8.04	110.05	121.72
2	6N	42	HIS	C-N-CA	-8.04	110.05	121.72
2	6N	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	6V	42	HIS	CA-C-N	-8.04	110.05	121.72
2	6V	42	HIS	C-N-CA	-8.04	110.05	121.72
1	66	181	THR	N-CA-C	8.05	127.94	110.80
2	6V	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	6Z	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	7F	42	HIS	CA-C-N	-8.04	110.05	121.72
2	7F	42	HIS	C-N-CA	-8.04	110.05	121.72
2	7F	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	7J	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	7R	42	HIS	CA-C-N	-8.04	110.05	121.72
2	7R	42	HIS	C-N-CA	-8.04	110.05	121.72
2	7R	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	7V	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	1B	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	1J	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	2F	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	27	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	3F	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	4B	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	4N	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	4V	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	5R	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	6J	74	TYR	CE1-CZ-OH	8.04	144.03	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
2	7N	74	TYR	CE1-CZ-OH	8.04	144.03	119.90
1	1M	181	THR	N-CA-C	8.04	127.93	110.80
1	2I	181	THR	N-CA-C	8.04	127.93	110.80
1	3A	181	THR	N-CA-C	8.04	127.93	110.80
1	3I	181	THR	N-CA-C	8.04	127.93	110.80
1	32	181	THR	N-CA-C	8.04	127.93	110.80
1	4E	181	THR	N-CA-C	8.04	127.93	110.80
1	4Y	181	THR	N-CA-C	8.04	127.93	110.80
1	5U	181	THR	N-CA-C	8.04	127.93	110.80
1	6M	181	THR	N-CA-C	8.04	127.93	110.80
1	6U	181	THR	N-CA-C	8.04	127.93	110.80
1	7E	181	THR	N-CA-C	8.04	127.93	110.80
1	7Q	181	THR	N-CA-C	8.04	127.93	110.80
1	1M	42	VAL	CG1-CB-CG2	8.03	128.47	110.80
2	1N	224	VAL	N-CA-C	-8.04	93.28	107.18
1	2I	42	VAL	CG1-CB-CG2	8.03	128.47	110.80
2	2J	224	VAL	N-CA-C	-8.04	93.28	107.18
1	3A	42	VAL	CG1-CB-CG2	8.03	128.47	110.80
2	3B	224	VAL	N-CA-C	-8.04	93.28	107.18
1	3I	42	VAL	CG1-CB-CG2	8.03	128.47	110.80
2	3J	224	VAL	N-CA-C	-8.04	93.28	107.18
1	32	42	VAL	CG1-CB-CG2	8.03	128.47	110.80
2	33	224	VAL	N-CA-C	-8.04	93.28	107.18
1	4E	42	VAL	CG1-CB-CG2	8.03	128.47	110.80
2	4F	224	VAL	N-CA-C	-8.04	93.28	107.18
1	4Y	42	VAL	CG1-CB-CG2	8.03	128.47	110.80
2	4Z	224	VAL	N-CA-C	-8.04	93.28	107.18
1	5U	42	VAL	CG1-CB-CG2	8.03	128.47	110.80
2	5V	224	VAL	N-CA-C	-8.04	93.28	107.18
1	6M	42	VAL	CG1-CB-CG2	8.03	128.47	110.80
2	6N	224	VAL	N-CA-C	-8.04	93.28	107.18
1	6U	42	VAL	CG1-CB-CG2	8.03	128.47	110.80
2	6V	224	VAL	N-CA-C	-8.04	93.28	107.18
1	7E	42	VAL	CG1-CB-CG2	8.03	128.47	110.80
2	7F	224	VAL	N-CA-C	-8.04	93.28	107.18
1	7Q	42	VAL	CG1-CB-CG2	8.03	128.47	110.80
2	7R	224	VAL	N-CA-C	-8.04	93.28	107.18
2	1F	42	HIS	CA-C-N	-8.03	110.07	121.72
2	1F	42	HIS	C-N-CA	-8.03	110.07	121.72
2	1F	224	VAL	N-CA-C	-8.03	93.28	107.18
2	2N	42	HIS	CA-C-N	-8.03	110.07	121.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	42	HIS	C-N-CA	-8.03	110.07	121.72
2	2N	224	VAL	N-CA-C	-8.03	93.28	107.18
2	23	42	HIS	CA-C-N	-8.03	110.07	121.72
2	23	42	HIS	C-N-CA	-8.03	110.07	121.72
2	23	224	VAL	N-CA-C	-8.03	93.28	107.18
2	3N	42	HIS	CA-C-N	-8.03	110.07	121.72
2	3N	42	HIS	C-N-CA	-8.03	110.07	121.72
2	3N	224	VAL	N-CA-C	-8.03	93.28	107.18
2	37	42	HIS	CA-C-N	-8.03	110.07	121.72
2	37	42	HIS	C-N-CA	-8.03	110.07	121.72
2	37	224	VAL	N-CA-C	-8.03	93.28	107.18
2	4J	42	HIS	CA-C-N	-8.03	110.07	121.72
2	4J	42	HIS	C-N-CA	-8.03	110.07	121.72
2	4J	224	VAL	N-CA-C	-8.03	93.28	107.18
2	4R	42	HIS	CA-C-N	-8.03	110.07	121.72
2	4R	42	HIS	C-N-CA	-8.03	110.07	121.72
2	4R	224	VAL	N-CA-C	-8.03	93.28	107.18
2	5Z	42	HIS	CA-C-N	-8.03	110.07	121.72
2	5Z	42	HIS	C-N-CA	-8.03	110.07	121.72
2	5Z	224	VAL	N-CA-C	-8.03	93.28	107.18
2	6F	42	HIS	CA-C-N	-8.03	110.07	121.72
2	6F	42	HIS	C-N-CA	-8.03	110.07	121.72
2	6F	224	VAL	N-CA-C	-8.03	93.28	107.18
2	6Z	42	HIS	CA-C-N	-8.03	110.07	121.72
2	6Z	42	HIS	C-N-CA	-8.03	110.07	121.72
2	6Z	224	VAL	N-CA-C	-8.03	93.28	107.18
2	7J	42	HIS	CA-C-N	-8.03	110.07	121.72
2	7J	42	HIS	C-N-CA	-8.03	110.07	121.72
2	7J	224	VAL	N-CA-C	-8.03	93.28	107.18
2	7V	42	HIS	CA-C-N	-8.03	110.07	121.72
2	7V	42	HIS	C-N-CA	-8.03	110.07	121.72
2	7V	224	VAL	N-CA-C	-8.03	93.28	107.18
1	1Q	151	ASN	CA-CB-CG	-8.03	104.57	112.60
1	1U	151	ASN	CA-CB-CG	-8.03	104.57	112.60
1	1Y	151	ASN	CA-CB-CG	-8.03	104.57	112.60
1	2Q	151	ASN	CA-CB-CG	-8.03	104.57	112.60
1	2U	151	ASN	CA-CB-CG	-8.03	104.57	112.60
1	2Y	151	ASN	CA-CB-CG	-8.03	104.57	112.60
1	42	151	ASN	CA-CB-CG	-8.03	104.57	112.60
1	46	151	ASN	CA-CB-CG	-8.03	104.57	112.60
1	5A	151	ASN	CA-CB-CG	-8.03	104.57	112.60
1	52	151	ASN	CA-CB-CG	-8.03	104.57	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	151	ASN	CA-CB-CG	-8.03	104.57	112.60
1	6A	151	ASN	CA-CB-CG	-8.03	104.57	112.60
1	1A	181	THR	N-CA-C	8.03	127.90	110.80
1	1I	181	THR	N-CA-C	8.03	127.90	110.80
1	2E	181	THR	N-CA-C	8.03	127.90	110.80
1	26	181	THR	N-CA-C	8.03	127.90	110.80
1	3E	181	THR	N-CA-C	8.03	127.90	110.80
1	4A	181	THR	N-CA-C	8.03	127.90	110.80
1	4M	181	THR	N-CA-C	8.03	127.90	110.80
1	4U	181	THR	N-CA-C	8.03	127.90	110.80
1	5Q	181	THR	N-CA-C	8.03	127.90	110.80
1	6I	181	THR	N-CA-C	8.03	127.90	110.80
1	6Q	181	THR	N-CA-C	8.03	127.90	110.80
1	7M	181	THR	N-CA-C	8.03	127.90	110.80
1	1E	151	ASN	CA-CB-CG	-8.03	104.58	112.60
1	1E	181	THR	N-CA-C	8.03	127.89	110.80
2	1R	162	LEU	CB-CA-C	-8.03	96.84	110.16
2	1R	224	VAL	N-CA-C	-8.03	93.30	107.18
2	1V	162	LEU	CB-CA-C	-8.03	96.84	110.16
2	1V	224	VAL	N-CA-C	-8.03	93.30	107.18
2	1Z	162	LEU	CB-CA-C	-8.03	96.84	110.16
2	1Z	224	VAL	N-CA-C	-8.03	93.30	107.18
1	2M	151	ASN	CA-CB-CG	-8.03	104.58	112.60
1	2M	181	THR	N-CA-C	8.03	127.89	110.80
2	2R	162	LEU	CB-CA-C	-8.03	96.84	110.16
2	2R	224	VAL	N-CA-C	-8.03	93.30	107.18
2	2V	162	LEU	CB-CA-C	-8.03	96.84	110.16
2	2V	224	VAL	N-CA-C	-8.03	93.30	107.18
2	2Z	162	LEU	CB-CA-C	-8.03	96.84	110.16
2	2Z	224	VAL	N-CA-C	-8.03	93.30	107.18
1	22	151	ASN	CA-CB-CG	-8.03	104.58	112.60
1	22	181	THR	N-CA-C	8.03	127.89	110.80
1	3M	151	ASN	CA-CB-CG	-8.03	104.58	112.60
1	3M	181	THR	N-CA-C	8.03	127.89	110.80
1	36	151	ASN	CA-CB-CG	-8.03	104.58	112.60
1	36	181	THR	N-CA-C	8.03	127.89	110.80
1	4I	151	ASN	CA-CB-CG	-8.03	104.58	112.60
1	4I	181	THR	N-CA-C	8.03	127.89	110.80
1	4Q	151	ASN	CA-CB-CG	-8.03	104.58	112.60
1	4Q	181	THR	N-CA-C	8.03	127.89	110.80
2	43	162	LEU	CB-CA-C	-8.03	96.84	110.16
2	43	224	VAL	N-CA-C	-8.03	93.30	107.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	47	162	LEU	CB-CA-C	-8.03	96.84	110.16
2	47	224	VAL	N-CA-C	-8.03	93.30	107.18
2	5B	162	LEU	CB-CA-C	-8.03	96.84	110.16
2	5B	224	VAL	N-CA-C	-8.03	93.30	107.18
1	5Y	151	ASN	CA-CB-CG	-8.03	104.58	112.60
1	5Y	181	THR	N-CA-C	8.03	127.89	110.80
2	53	162	LEU	CB-CA-C	-8.03	96.84	110.16
2	53	224	VAL	N-CA-C	-8.03	93.30	107.18
2	57	162	LEU	CB-CA-C	-8.03	96.84	110.16
2	57	224	VAL	N-CA-C	-8.03	93.30	107.18
2	6B	162	LEU	CB-CA-C	-8.03	96.84	110.16
2	6B	224	VAL	N-CA-C	-8.03	93.30	107.18
1	6E	151	ASN	CA-CB-CG	-8.03	104.58	112.60
1	6E	181	THR	N-CA-C	8.03	127.89	110.80
1	6Y	151	ASN	CA-CB-CG	-8.03	104.58	112.60
1	6Y	181	THR	N-CA-C	8.03	127.89	110.80
1	7I	151	ASN	CA-CB-CG	-8.03	104.58	112.60
1	7I	181	THR	N-CA-C	8.03	127.89	110.80
1	7U	151	ASN	CA-CB-CG	-8.03	104.58	112.60
1	7U	181	THR	N-CA-C	8.03	127.89	110.80
1	1Q	181	THR	N-CA-C	8.02	127.89	110.80
1	1U	181	THR	N-CA-C	8.02	127.89	110.80
1	1Y	181	THR	N-CA-C	8.02	127.89	110.80
1	2Q	181	THR	N-CA-C	8.02	127.89	110.80
1	2U	181	THR	N-CA-C	8.02	127.89	110.80
1	2Y	181	THR	N-CA-C	8.02	127.89	110.80
1	42	181	THR	N-CA-C	8.02	127.89	110.80
1	46	181	THR	N-CA-C	8.02	127.89	110.80
1	5A	181	THR	N-CA-C	8.02	127.89	110.80
1	52	181	THR	N-CA-C	8.02	127.89	110.80
1	56	181	THR	N-CA-C	8.02	127.89	110.80
1	6A	181	THR	N-CA-C	8.02	127.89	110.80
1	1E	154	SER	N-CA-C	-8.02	97.99	109.62
2	1F	162	LEU	CB-CA-C	-8.02	96.85	110.16
1	2M	154	SER	N-CA-C	-8.02	97.99	109.62
2	2N	162	LEU	CB-CA-C	-8.02	96.85	110.16
1	22	154	SER	N-CA-C	-8.02	97.99	109.62
2	23	162	LEU	CB-CA-C	-8.02	96.85	110.16
1	3M	154	SER	N-CA-C	-8.02	97.99	109.62
2	3N	162	LEU	CB-CA-C	-8.02	96.85	110.16
1	36	154	SER	N-CA-C	-8.02	97.99	109.62
2	37	162	LEU	CB-CA-C	-8.02	96.85	110.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4I	154	SER	N-CA-C	-8.02	97.99	109.62
2	4J	162	LEU	CB-CA-C	-8.02	96.85	110.16
1	4Q	154	SER	N-CA-C	-8.02	97.99	109.62
2	4R	162	LEU	CB-CA-C	-8.02	96.85	110.16
1	5Y	154	SER	N-CA-C	-8.02	97.99	109.62
2	5Z	162	LEU	CB-CA-C	-8.02	96.85	110.16
1	6E	154	SER	N-CA-C	-8.02	97.99	109.62
2	6F	162	LEU	CB-CA-C	-8.02	96.85	110.16
1	6Y	154	SER	N-CA-C	-8.02	97.99	109.62
2	6Z	162	LEU	CB-CA-C	-8.02	96.85	110.16
1	7I	154	SER	N-CA-C	-8.02	97.99	109.62
2	7J	162	LEU	CB-CA-C	-8.02	96.85	110.16
1	7U	154	SER	N-CA-C	-8.02	97.99	109.62
2	7V	162	LEU	CB-CA-C	-8.02	96.85	110.16
2	1B	162	LEU	CB-CA-C	-8.02	96.85	110.16
2	1J	162	LEU	CB-CA-C	-8.02	96.85	110.16
2	2F	162	LEU	CB-CA-C	-8.02	96.85	110.16
2	27	162	LEU	CB-CA-C	-8.02	96.85	110.16
2	3F	162	LEU	CB-CA-C	-8.02	96.85	110.16
2	4B	162	LEU	CB-CA-C	-8.02	96.85	110.16
2	4N	162	LEU	CB-CA-C	-8.02	96.85	110.16
2	4V	162	LEU	CB-CA-C	-8.02	96.85	110.16
2	5R	162	LEU	CB-CA-C	-8.02	96.85	110.16
2	6J	162	LEU	CB-CA-C	-8.02	96.85	110.16
2	6R	162	LEU	CB-CA-C	-8.02	96.85	110.16
2	7N	162	LEU	CB-CA-C	-8.02	96.85	110.16
2	1N	10	GLN	CA-C-O	-8.01	109.05	120.51
2	2J	10	GLN	CA-C-O	-8.01	109.05	120.51
2	3B	10	GLN	CA-C-O	-8.01	109.05	120.51
2	3J	10	GLN	CA-C-O	-8.01	109.05	120.51
2	33	10	GLN	CA-C-O	-8.01	109.05	120.51
2	4F	10	GLN	CA-C-O	-8.01	109.05	120.51
2	4Z	10	GLN	CA-C-O	-8.01	109.05	120.51
2	5V	10	GLN	CA-C-O	-8.01	109.05	120.51
2	6N	10	GLN	CA-C-O	-8.01	109.05	120.51
2	6V	10	GLN	CA-C-O	-8.01	109.05	120.51
2	7F	10	GLN	CA-C-O	-8.01	109.05	120.51
2	7R	10	GLN	CA-C-O	-8.01	109.05	120.51
2	1N	162	LEU	CB-CA-C	-8.01	96.86	110.16
2	2J	162	LEU	CB-CA-C	-8.01	96.86	110.16
2	3B	162	LEU	CB-CA-C	-8.01	96.86	110.16
2	3J	162	LEU	CB-CA-C	-8.01	96.86	110.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	162	LEU	CB-CA-C	-8.01	96.86	110.16
2	4F	162	LEU	CB-CA-C	-8.01	96.86	110.16
2	4Z	162	LEU	CB-CA-C	-8.01	96.86	110.16
2	5V	162	LEU	CB-CA-C	-8.01	96.86	110.16
2	6N	162	LEU	CB-CA-C	-8.01	96.86	110.16
2	6V	162	LEU	CB-CA-C	-8.01	96.86	110.16
2	7F	162	LEU	CB-CA-C	-8.01	96.86	110.16
2	7R	162	LEU	CB-CA-C	-8.01	96.86	110.16
2	1B	207	GLY	O-C-N	8.01	131.02	123.57
2	1J	207	GLY	O-C-N	8.01	131.02	123.57
2	1N	207	GLY	O-C-N	8.01	131.02	123.57
1	12	172	PHE	CA-C-N	-8.01	106.97	121.62
1	12	172	PHE	C-N-CA	-8.01	106.97	121.62
1	16	172	PHE	CA-C-N	-8.01	106.97	121.62
1	16	172	PHE	C-N-CA	-8.01	106.97	121.62
1	2A	172	PHE	CA-C-N	-8.01	106.97	121.62
1	2A	172	PHE	C-N-CA	-8.01	106.97	121.62
2	2F	207	GLY	O-C-N	8.01	131.02	123.57
2	2J	207	GLY	O-C-N	8.01	131.02	123.57
2	27	207	GLY	O-C-N	8.01	131.02	123.57
2	3B	207	GLY	O-C-N	8.01	131.02	123.57
2	3F	207	GLY	O-C-N	8.01	131.02	123.57
2	3J	207	GLY	O-C-N	8.01	131.02	123.57
1	3Q	172	PHE	CA-C-N	-8.01	106.97	121.62
1	3Q	172	PHE	C-N-CA	-8.01	106.97	121.62
1	3U	172	PHE	CA-C-N	-8.01	106.97	121.62
1	3U	172	PHE	C-N-CA	-8.01	106.97	121.62
1	3Y	172	PHE	CA-C-N	-8.01	106.97	121.62
1	3Y	172	PHE	C-N-CA	-8.01	106.97	121.62
2	33	207	GLY	O-C-N	8.01	131.02	123.57
2	4B	207	GLY	O-C-N	8.01	131.02	123.57
2	4F	207	GLY	O-C-N	8.01	131.02	123.57
2	4N	207	GLY	O-C-N	8.01	131.02	123.57
2	4V	207	GLY	O-C-N	8.01	131.02	123.57
2	4Z	207	GLY	O-C-N	8.01	131.02	123.57
1	5E	172	PHE	CA-C-N	-8.01	106.97	121.62
1	5E	172	PHE	C-N-CA	-8.01	106.97	121.62
1	5I	172	PHE	CA-C-N	-8.01	106.97	121.62
1	5I	172	PHE	C-N-CA	-8.01	106.97	121.62
1	5M	172	PHE	CA-C-N	-8.01	106.97	121.62
1	5M	172	PHE	C-N-CA	-8.01	106.97	121.62
2	5R	207	GLY	O-C-N	8.01	131.02	123.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	207	GLY	O-C-N	8.01	131.02	123.57
2	6J	207	GLY	O-C-N	8.01	131.02	123.57
2	6N	207	GLY	O-C-N	8.01	131.02	123.57
2	6R	207	GLY	O-C-N	8.01	131.02	123.57
2	6V	207	GLY	O-C-N	8.01	131.02	123.57
1	62	172	PHE	CA-C-N	-8.01	106.97	121.62
1	62	172	PHE	C-N-CA	-8.01	106.97	121.62
1	66	172	PHE	CA-C-N	-8.01	106.97	121.62
1	66	172	PHE	C-N-CA	-8.01	106.97	121.62
1	7A	172	PHE	CA-C-N	-8.01	106.97	121.62
1	7A	172	PHE	C-N-CA	-8.01	106.97	121.62
2	7F	207	GLY	O-C-N	8.01	131.02	123.57
2	7N	207	GLY	O-C-N	8.01	131.02	123.57
2	7R	207	GLY	O-C-N	8.01	131.02	123.57
1	1M	172	PHE	CA-C-N	-8.01	106.97	121.62
1	1M	172	PHE	C-N-CA	-8.01	106.97	121.62
2	1R	56	SER	CA-CB-OG	8.01	127.11	111.10
2	1V	56	SER	CA-CB-OG	8.01	127.11	111.10
2	1Z	56	SER	CA-CB-OG	8.01	127.11	111.10
1	2I	172	PHE	CA-C-N	-8.01	106.97	121.62
1	2I	172	PHE	C-N-CA	-8.01	106.97	121.62
2	2R	56	SER	CA-CB-OG	8.01	127.11	111.10
2	2V	56	SER	CA-CB-OG	8.01	127.11	111.10
2	2Z	56	SER	CA-CB-OG	8.01	127.11	111.10
1	3A	172	PHE	CA-C-N	-8.01	106.97	121.62
1	3A	172	PHE	C-N-CA	-8.01	106.97	121.62
1	3I	172	PHE	CA-C-N	-8.01	106.97	121.62
1	3I	172	PHE	C-N-CA	-8.01	106.97	121.62
1	32	172	PHE	CA-C-N	-8.01	106.97	121.62
1	32	172	PHE	C-N-CA	-8.01	106.97	121.62
1	4E	172	PHE	CA-C-N	-8.01	106.97	121.62
1	4E	172	PHE	C-N-CA	-8.01	106.97	121.62
1	4Y	172	PHE	CA-C-N	-8.01	106.97	121.62
1	4Y	172	PHE	C-N-CA	-8.01	106.97	121.62
2	43	56	SER	CA-CB-OG	8.01	127.11	111.10
2	47	56	SER	CA-CB-OG	8.01	127.11	111.10
2	5B	56	SER	CA-CB-OG	8.01	127.11	111.10
1	5U	172	PHE	CA-C-N	-8.01	106.97	121.62
1	5U	172	PHE	C-N-CA	-8.01	106.97	121.62
2	53	56	SER	CA-CB-OG	8.01	127.11	111.10
2	57	56	SER	CA-CB-OG	8.01	127.11	111.10
2	6B	56	SER	CA-CB-OG	8.01	127.11	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6M	172	PHE	CA-C-N	-8.01	106.97	121.62
1	6M	172	PHE	C-N-CA	-8.01	106.97	121.62
1	6U	172	PHE	CA-C-N	-8.01	106.97	121.62
1	6U	172	PHE	C-N-CA	-8.01	106.97	121.62
1	7E	172	PHE	CA-C-N	-8.01	106.97	121.62
1	7E	172	PHE	C-N-CA	-8.01	106.97	121.62
1	7Q	172	PHE	CA-C-N	-8.01	106.97	121.62
1	7Q	172	PHE	C-N-CA	-8.01	106.97	121.62
1	12	151	ASN	CA-CB-CG	-8.00	104.60	112.60
1	16	151	ASN	CA-CB-CG	-8.00	104.60	112.60
1	2A	151	ASN	CA-CB-CG	-8.00	104.60	112.60
1	3Q	151	ASN	CA-CB-CG	-8.00	104.60	112.60
1	3U	151	ASN	CA-CB-CG	-8.00	104.60	112.60
1	3Y	151	ASN	CA-CB-CG	-8.00	104.60	112.60
1	5E	151	ASN	CA-CB-CG	-8.00	104.60	112.60
1	5I	151	ASN	CA-CB-CG	-8.00	104.60	112.60
1	5M	151	ASN	CA-CB-CG	-8.00	104.60	112.60
1	62	151	ASN	CA-CB-CG	-8.00	104.60	112.60
1	66	151	ASN	CA-CB-CG	-8.00	104.60	112.60
1	7A	151	ASN	CA-CB-CG	-8.00	104.60	112.60
2	13	10	GLN	CA-C-O	-8.00	109.07	120.51
2	17	10	GLN	CA-C-O	-8.00	109.07	120.51
2	2B	10	GLN	CA-C-O	-8.00	109.07	120.51
2	3R	10	GLN	CA-C-O	-8.00	109.07	120.51
2	3V	10	GLN	CA-C-O	-8.00	109.07	120.51
2	3Z	10	GLN	CA-C-O	-8.00	109.07	120.51
2	5F	10	GLN	CA-C-O	-8.00	109.07	120.51
2	5J	10	GLN	CA-C-O	-8.00	109.07	120.51
2	5N	10	GLN	CA-C-O	-8.00	109.07	120.51
2	63	10	GLN	CA-C-O	-8.00	109.07	120.51
2	67	10	GLN	CA-C-O	-8.00	109.07	120.51
2	7B	10	GLN	CA-C-O	-8.00	109.07	120.51
1	1A	151	ASN	CA-CB-CG	-8.00	104.60	112.60
2	1F	56	SER	CA-CB-OG	8.00	127.09	111.10
1	1I	151	ASN	CA-CB-CG	-8.00	104.60	112.60
2	13	162	LEU	CB-CA-C	-8.00	96.89	110.16
2	17	162	LEU	CB-CA-C	-8.00	96.89	110.16
2	2B	162	LEU	CB-CA-C	-8.00	96.89	110.16
1	2E	151	ASN	CA-CB-CG	-8.00	104.60	112.60
2	2N	56	SER	CA-CB-OG	8.00	127.09	111.10
2	23	56	SER	CA-CB-OG	8.00	127.09	111.10
1	26	151	ASN	CA-CB-CG	-8.00	104.60	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	151	ASN	CA-CB-CG	-8.00	104.60	112.60
2	3N	56	SER	CA-CB-OG	8.00	127.09	111.10
2	3R	162	LEU	CB-CA-C	-8.00	96.89	110.16
2	3V	162	LEU	CB-CA-C	-8.00	96.89	110.16
2	3Z	162	LEU	CB-CA-C	-8.00	96.89	110.16
2	37	56	SER	CA-CB-OG	8.00	127.09	111.10
1	4A	151	ASN	CA-CB-CG	-8.00	104.60	112.60
2	4J	56	SER	CA-CB-OG	8.00	127.09	111.10
1	4M	151	ASN	CA-CB-CG	-8.00	104.60	112.60
2	4R	56	SER	CA-CB-OG	8.00	127.09	111.10
1	4U	151	ASN	CA-CB-CG	-8.00	104.60	112.60
2	5F	162	LEU	CB-CA-C	-8.00	96.89	110.16
2	5J	162	LEU	CB-CA-C	-8.00	96.89	110.16
2	5N	162	LEU	CB-CA-C	-8.00	96.89	110.16
1	5Q	151	ASN	CA-CB-CG	-8.00	104.60	112.60
2	5Z	56	SER	CA-CB-OG	8.00	127.09	111.10
2	6F	56	SER	CA-CB-OG	8.00	127.09	111.10
1	6I	151	ASN	CA-CB-CG	-8.00	104.60	112.60
1	6Q	151	ASN	CA-CB-CG	-8.00	104.60	112.60
2	6Z	56	SER	CA-CB-OG	8.00	127.09	111.10
2	63	162	LEU	CB-CA-C	-8.00	96.89	110.16
2	67	162	LEU	CB-CA-C	-8.00	96.89	110.16
2	7B	162	LEU	CB-CA-C	-8.00	96.89	110.16
2	7J	56	SER	CA-CB-OG	8.00	127.09	111.10
1	7M	151	ASN	CA-CB-CG	-8.00	104.60	112.60
2	7V	56	SER	CA-CB-OG	8.00	127.09	111.10
2	1F	10	GLN	CA-C-O	-8.00	109.08	120.51
2	2N	10	GLN	CA-C-O	-8.00	109.08	120.51
2	23	10	GLN	CA-C-O	-8.00	109.08	120.51
2	3N	10	GLN	CA-C-O	-8.00	109.08	120.51
2	37	10	GLN	CA-C-O	-8.00	109.08	120.51
2	4J	10	GLN	CA-C-O	-8.00	109.08	120.51
2	4R	10	GLN	CA-C-O	-8.00	109.08	120.51
2	5Z	10	GLN	CA-C-O	-8.00	109.08	120.51
2	6F	10	GLN	CA-C-O	-8.00	109.08	120.51
2	6Z	10	GLN	CA-C-O	-8.00	109.08	120.51
2	7J	10	GLN	CA-C-O	-8.00	109.08	120.51
2	7V	10	GLN	CA-C-O	-8.00	109.08	120.51
1	1A	172	PHE	CA-C-N	-7.99	106.99	121.62
1	1A	172	PHE	C-N-CA	-7.99	106.99	121.62
1	1I	172	PHE	CA-C-N	-7.99	106.99	121.62
1	1I	172	PHE	C-N-CA	-7.99	106.99	121.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1N	25	SER	CB-CA-C	7.99	126.33	110.42
2	1N	56	SER	CA-CB-OG	7.99	127.08	111.10
2	1R	25	SER	CB-CA-C	7.99	126.33	110.42
2	1V	25	SER	CB-CA-C	7.99	126.33	110.42
2	1Z	25	SER	CB-CA-C	7.99	126.33	110.42
1	2E	172	PHE	CA-C-N	-7.99	106.99	121.62
1	2E	172	PHE	C-N-CA	-7.99	106.99	121.62
2	2J	25	SER	CB-CA-C	7.99	126.33	110.42
2	2J	56	SER	CA-CB-OG	7.99	127.08	111.10
2	2R	25	SER	CB-CA-C	7.99	126.33	110.42
2	2V	25	SER	CB-CA-C	7.99	126.33	110.42
2	2Z	25	SER	CB-CA-C	7.99	126.33	110.42
1	26	172	PHE	CA-C-N	-7.99	106.99	121.62
1	26	172	PHE	C-N-CA	-7.99	106.99	121.62
2	3B	25	SER	CB-CA-C	7.99	126.33	110.42
2	3B	56	SER	CA-CB-OG	7.99	127.08	111.10
1	3E	172	PHE	CA-C-N	-7.99	106.99	121.62
1	3E	172	PHE	C-N-CA	-7.99	106.99	121.62
2	3J	25	SER	CB-CA-C	7.99	126.33	110.42
2	3J	56	SER	CA-CB-OG	7.99	127.08	111.10
2	33	25	SER	CB-CA-C	7.99	126.33	110.42
2	33	56	SER	CA-CB-OG	7.99	127.08	111.10
1	4A	172	PHE	CA-C-N	-7.99	106.99	121.62
1	4A	172	PHE	C-N-CA	-7.99	106.99	121.62
2	4F	25	SER	CB-CA-C	7.99	126.33	110.42
2	4F	56	SER	CA-CB-OG	7.99	127.08	111.10
1	4M	172	PHE	CA-C-N	-7.99	106.99	121.62
1	4M	172	PHE	C-N-CA	-7.99	106.99	121.62
1	4U	172	PHE	CA-C-N	-7.99	106.99	121.62
1	4U	172	PHE	C-N-CA	-7.99	106.99	121.62
2	4Z	25	SER	CB-CA-C	7.99	126.33	110.42
2	4Z	56	SER	CA-CB-OG	7.99	127.08	111.10
2	43	25	SER	CB-CA-C	7.99	126.33	110.42
2	47	25	SER	CB-CA-C	7.99	126.33	110.42
2	5B	25	SER	CB-CA-C	7.99	126.33	110.42
1	5Q	172	PHE	CA-C-N	-7.99	106.99	121.62
1	5Q	172	PHE	C-N-CA	-7.99	106.99	121.62
2	5V	25	SER	CB-CA-C	7.99	126.33	110.42
2	5V	56	SER	CA-CB-OG	7.99	127.08	111.10
2	53	25	SER	CB-CA-C	7.99	126.33	110.42
2	57	25	SER	CB-CA-C	7.99	126.33	110.42
2	6B	25	SER	CB-CA-C	7.99	126.33	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6I	172	PHE	CA-C-N	-7.99	106.99	121.62
1	6I	172	PHE	C-N-CA	-7.99	106.99	121.62
2	6N	25	SER	CB-CA-C	7.99	126.33	110.42
2	6N	56	SER	CA-CB-OG	7.99	127.08	111.10
1	6Q	172	PHE	CA-C-N	-7.99	106.99	121.62
1	6Q	172	PHE	C-N-CA	-7.99	106.99	121.62
2	6V	25	SER	CB-CA-C	7.99	126.33	110.42
2	6V	56	SER	CA-CB-OG	7.99	127.08	111.10
2	7F	25	SER	CB-CA-C	7.99	126.33	110.42
2	7F	56	SER	CA-CB-OG	7.99	127.08	111.10
1	7M	172	PHE	CA-C-N	-7.99	106.99	121.62
1	7M	172	PHE	C-N-CA	-7.99	106.99	121.62
2	7R	25	SER	CB-CA-C	7.99	126.33	110.42
2	7R	56	SER	CA-CB-OG	7.99	127.08	111.10
2	1B	25	SER	CB-CA-C	7.99	126.32	110.42
1	1E	172	PHE	CA-C-N	-7.99	107.00	121.62
1	1E	172	PHE	C-N-CA	-7.99	107.00	121.62
2	1J	25	SER	CB-CA-C	7.99	126.32	110.42
2	2F	25	SER	CB-CA-C	7.99	126.32	110.42
1	2M	172	PHE	CA-C-N	-7.99	107.00	121.62
1	2M	172	PHE	C-N-CA	-7.99	107.00	121.62
1	22	172	PHE	CA-C-N	-7.99	107.00	121.62
1	22	172	PHE	C-N-CA	-7.99	107.00	121.62
2	27	25	SER	CB-CA-C	7.99	126.32	110.42
2	3F	25	SER	CB-CA-C	7.99	126.32	110.42
1	3M	172	PHE	CA-C-N	-7.99	107.00	121.62
1	3M	172	PHE	C-N-CA	-7.99	107.00	121.62
1	36	172	PHE	CA-C-N	-7.99	107.00	121.62
1	36	172	PHE	C-N-CA	-7.99	107.00	121.62
2	4B	25	SER	CB-CA-C	7.99	126.32	110.42
1	4I	172	PHE	CA-C-N	-7.99	107.00	121.62
1	4I	172	PHE	C-N-CA	-7.99	107.00	121.62
2	4N	25	SER	CB-CA-C	7.99	126.32	110.42
1	4Q	172	PHE	CA-C-N	-7.99	107.00	121.62
1	4Q	172	PHE	C-N-CA	-7.99	107.00	121.62
2	4V	25	SER	CB-CA-C	7.99	126.32	110.42
2	5R	25	SER	CB-CA-C	7.99	126.32	110.42
1	5Y	172	PHE	CA-C-N	-7.99	107.00	121.62
1	5Y	172	PHE	C-N-CA	-7.99	107.00	121.62
1	6E	172	PHE	CA-C-N	-7.99	107.00	121.62
1	6E	172	PHE	C-N-CA	-7.99	107.00	121.62
2	6J	25	SER	CB-CA-C	7.99	126.32	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	25	SER	CB-CA-C	7.99	126.32	110.42
1	6Y	172	PHE	CA-C-N	-7.99	107.00	121.62
1	6Y	172	PHE	C-N-CA	-7.99	107.00	121.62
1	7I	172	PHE	CA-C-N	-7.99	107.00	121.62
1	7I	172	PHE	C-N-CA	-7.99	107.00	121.62
2	7N	25	SER	CB-CA-C	7.99	126.32	110.42
1	7U	172	PHE	CA-C-N	-7.99	107.00	121.62
1	7U	172	PHE	C-N-CA	-7.99	107.00	121.62
2	1B	10	GLN	CA-C-O	-7.99	109.08	120.51
2	1B	56	SER	CA-CB-OG	7.99	127.08	111.10
2	1F	25	SER	CB-CA-C	7.99	126.32	110.42
2	1J	10	GLN	CA-C-O	-7.99	109.08	120.51
2	1J	56	SER	CA-CB-OG	7.99	127.08	111.10
2	2F	10	GLN	CA-C-O	-7.99	109.08	120.51
2	2F	56	SER	CA-CB-OG	7.99	127.08	111.10
2	2N	25	SER	CB-CA-C	7.99	126.32	110.42
2	23	25	SER	CB-CA-C	7.99	126.32	110.42
2	27	10	GLN	CA-C-O	-7.99	109.08	120.51
2	27	56	SER	CA-CB-OG	7.99	127.08	111.10
2	3F	10	GLN	CA-C-O	-7.99	109.08	120.51
2	3F	56	SER	CA-CB-OG	7.99	127.08	111.10
2	3N	25	SER	CB-CA-C	7.99	126.32	110.42
2	37	25	SER	CB-CA-C	7.99	126.32	110.42
2	4B	10	GLN	CA-C-O	-7.99	109.08	120.51
2	4B	56	SER	CA-CB-OG	7.99	127.08	111.10
2	4J	25	SER	CB-CA-C	7.99	126.32	110.42
2	4N	10	GLN	CA-C-O	-7.99	109.08	120.51
2	4N	56	SER	CA-CB-OG	7.99	127.08	111.10
2	4R	25	SER	CB-CA-C	7.99	126.32	110.42
2	4V	10	GLN	CA-C-O	-7.99	109.08	120.51
2	4V	56	SER	CA-CB-OG	7.99	127.08	111.10
2	5R	10	GLN	CA-C-O	-7.99	109.08	120.51
2	5R	56	SER	CA-CB-OG	7.99	127.08	111.10
2	5Z	25	SER	CB-CA-C	7.99	126.32	110.42
2	6F	25	SER	CB-CA-C	7.99	126.32	110.42
2	6J	10	GLN	CA-C-O	-7.99	109.08	120.51
2	6J	56	SER	CA-CB-OG	7.99	127.08	111.10
2	6R	10	GLN	CA-C-O	-7.99	109.08	120.51
2	6R	56	SER	CA-CB-OG	7.99	127.08	111.10
2	6Z	25	SER	CB-CA-C	7.99	126.32	110.42
2	7J	25	SER	CB-CA-C	7.99	126.32	110.42
2	7N	10	GLN	CA-C-O	-7.99	109.08	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	56	SER	CA-CB-OG	7.99	127.08	111.10
2	7V	25	SER	CB-CA-C	7.99	126.32	110.42
1	1A	154	SER	N-CA-C	-7.99	98.04	109.62
1	1I	154	SER	N-CA-C	-7.99	98.04	109.62
1	1Q	172	PHE	CA-C-N	-7.99	107.00	121.62
1	1Q	172	PHE	C-N-CA	-7.99	107.00	121.62
1	1U	172	PHE	CA-C-N	-7.99	107.00	121.62
1	1U	172	PHE	C-N-CA	-7.99	107.00	121.62
1	1Y	172	PHE	CA-C-N	-7.99	107.00	121.62
1	1Y	172	PHE	C-N-CA	-7.99	107.00	121.62
1	2E	154	SER	N-CA-C	-7.99	98.04	109.62
1	2Q	172	PHE	CA-C-N	-7.99	107.00	121.62
1	2Q	172	PHE	C-N-CA	-7.99	107.00	121.62
1	2U	172	PHE	CA-C-N	-7.99	107.00	121.62
1	2U	172	PHE	C-N-CA	-7.99	107.00	121.62
1	2Y	172	PHE	CA-C-N	-7.99	107.00	121.62
1	2Y	172	PHE	C-N-CA	-7.99	107.00	121.62
1	26	154	SER	N-CA-C	-7.99	98.04	109.62
1	3E	154	SER	N-CA-C	-7.99	98.04	109.62
1	4A	154	SER	N-CA-C	-7.99	98.04	109.62
1	4M	154	SER	N-CA-C	-7.99	98.04	109.62
1	4U	154	SER	N-CA-C	-7.99	98.04	109.62
1	42	172	PHE	CA-C-N	-7.99	107.00	121.62
1	42	172	PHE	C-N-CA	-7.99	107.00	121.62
1	46	172	PHE	CA-C-N	-7.99	107.00	121.62
1	46	172	PHE	C-N-CA	-7.99	107.00	121.62
1	5A	172	PHE	CA-C-N	-7.99	107.00	121.62
1	5A	172	PHE	C-N-CA	-7.99	107.00	121.62
1	5Q	154	SER	N-CA-C	-7.99	98.04	109.62
1	52	172	PHE	CA-C-N	-7.99	107.00	121.62
1	52	172	PHE	C-N-CA	-7.99	107.00	121.62
1	56	172	PHE	CA-C-N	-7.99	107.00	121.62
1	56	172	PHE	C-N-CA	-7.99	107.00	121.62
1	6A	172	PHE	CA-C-N	-7.99	107.00	121.62
1	6A	172	PHE	C-N-CA	-7.99	107.00	121.62
1	6I	154	SER	N-CA-C	-7.99	98.04	109.62
1	6Q	154	SER	N-CA-C	-7.99	98.04	109.62
1	7M	154	SER	N-CA-C	-7.99	98.04	109.62
2	13	25	SER	CB-CA-C	7.99	126.31	110.42
2	17	25	SER	CB-CA-C	7.99	126.31	110.42
2	2B	25	SER	CB-CA-C	7.99	126.31	110.42
2	3R	25	SER	CB-CA-C	7.99	126.31	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	25	SER	CB-CA-C	7.99	126.31	110.42
2	3Z	25	SER	CB-CA-C	7.99	126.31	110.42
2	5F	25	SER	CB-CA-C	7.99	126.31	110.42
2	5J	25	SER	CB-CA-C	7.99	126.31	110.42
2	5N	25	SER	CB-CA-C	7.99	126.31	110.42
2	63	25	SER	CB-CA-C	7.99	126.31	110.42
2	67	25	SER	CB-CA-C	7.99	126.31	110.42
2	7B	25	SER	CB-CA-C	7.99	126.31	110.42
1	1M	151	ASN	CA-CB-CG	-7.99	104.61	112.60
1	2I	151	ASN	CA-CB-CG	-7.99	104.61	112.60
1	3A	151	ASN	CA-CB-CG	-7.99	104.61	112.60
1	3I	151	ASN	CA-CB-CG	-7.99	104.61	112.60
1	32	151	ASN	CA-CB-CG	-7.99	104.61	112.60
1	4E	151	ASN	CA-CB-CG	-7.99	104.61	112.60
1	4Y	151	ASN	CA-CB-CG	-7.99	104.61	112.60
1	5U	151	ASN	CA-CB-CG	-7.99	104.61	112.60
1	6M	151	ASN	CA-CB-CG	-7.99	104.61	112.60
1	6U	151	ASN	CA-CB-CG	-7.99	104.61	112.60
1	7E	151	ASN	CA-CB-CG	-7.99	104.61	112.60
1	7Q	151	ASN	CA-CB-CG	-7.99	104.61	112.60
2	13	207	GLY	O-C-N	7.98	130.99	123.57
2	17	207	GLY	O-C-N	7.98	130.99	123.57
2	2B	207	GLY	O-C-N	7.98	130.99	123.57
2	3R	207	GLY	O-C-N	7.98	130.99	123.57
2	3V	207	GLY	O-C-N	7.98	130.99	123.57
2	3Z	207	GLY	O-C-N	7.98	130.99	123.57
2	5F	207	GLY	O-C-N	7.98	130.99	123.57
2	5J	207	GLY	O-C-N	7.98	130.99	123.57
2	5N	207	GLY	O-C-N	7.98	130.99	123.57
2	63	207	GLY	O-C-N	7.98	130.99	123.57
2	67	207	GLY	O-C-N	7.98	130.99	123.57
2	7B	207	GLY	O-C-N	7.98	130.99	123.57
2	1F	219	VAL	N-CA-CB	-7.98	96.45	111.21
1	1M	154	SER	N-CA-C	-7.98	98.05	109.62
2	1N	219	VAL	N-CA-CB	-7.98	96.45	111.21
1	1Q	154	SER	N-CA-C	-7.98	98.05	109.62
1	1U	154	SER	N-CA-C	-7.98	98.05	109.62
1	1Y	154	SER	N-CA-C	-7.98	98.05	109.62
1	2I	154	SER	N-CA-C	-7.98	98.05	109.62
2	2J	219	VAL	N-CA-CB	-7.98	96.45	111.21
2	2N	219	VAL	N-CA-CB	-7.98	96.45	111.21
1	2Q	154	SER	N-CA-C	-7.98	98.05	109.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	154	SER	N-CA-C	-7.98	98.05	109.62
1	2Y	154	SER	N-CA-C	-7.98	98.05	109.62
2	23	219	VAL	N-CA-CB	-7.98	96.45	111.21
1	3A	154	SER	N-CA-C	-7.98	98.05	109.62
2	3B	219	VAL	N-CA-CB	-7.98	96.45	111.21
1	3I	154	SER	N-CA-C	-7.98	98.05	109.62
2	3J	219	VAL	N-CA-CB	-7.98	96.45	111.21
2	3N	219	VAL	N-CA-CB	-7.98	96.45	111.21
1	32	154	SER	N-CA-C	-7.98	98.05	109.62
2	33	219	VAL	N-CA-CB	-7.98	96.45	111.21
2	37	219	VAL	N-CA-CB	-7.98	96.45	111.21
1	4E	154	SER	N-CA-C	-7.98	98.05	109.62
2	4F	219	VAL	N-CA-CB	-7.98	96.45	111.21
2	4J	219	VAL	N-CA-CB	-7.98	96.45	111.21
2	4R	219	VAL	N-CA-CB	-7.98	96.45	111.21
1	4Y	154	SER	N-CA-C	-7.98	98.05	109.62
2	4Z	219	VAL	N-CA-CB	-7.98	96.45	111.21
1	42	154	SER	N-CA-C	-7.98	98.05	109.62
1	46	154	SER	N-CA-C	-7.98	98.05	109.62
1	5A	154	SER	N-CA-C	-7.98	98.05	109.62
1	5U	154	SER	N-CA-C	-7.98	98.05	109.62
2	5V	219	VAL	N-CA-CB	-7.98	96.45	111.21
2	5Z	219	VAL	N-CA-CB	-7.98	96.45	111.21
1	52	154	SER	N-CA-C	-7.98	98.05	109.62
1	56	154	SER	N-CA-C	-7.98	98.05	109.62
1	6A	154	SER	N-CA-C	-7.98	98.05	109.62
2	6F	219	VAL	N-CA-CB	-7.98	96.45	111.21
1	6M	154	SER	N-CA-C	-7.98	98.05	109.62
2	6N	219	VAL	N-CA-CB	-7.98	96.45	111.21
1	6U	154	SER	N-CA-C	-7.98	98.05	109.62
2	6V	219	VAL	N-CA-CB	-7.98	96.45	111.21
2	6Z	219	VAL	N-CA-CB	-7.98	96.45	111.21
1	7E	154	SER	N-CA-C	-7.98	98.05	109.62
2	7F	219	VAL	N-CA-CB	-7.98	96.45	111.21
2	7J	219	VAL	N-CA-CB	-7.98	96.45	111.21
1	7Q	154	SER	N-CA-C	-7.98	98.05	109.62
2	7R	219	VAL	N-CA-CB	-7.98	96.45	111.21
2	7V	219	VAL	N-CA-CB	-7.98	96.45	111.21
2	1R	219	VAL	N-CA-CB	-7.97	96.46	111.21
2	1V	219	VAL	N-CA-CB	-7.97	96.46	111.21
2	1Z	219	VAL	N-CA-CB	-7.97	96.46	111.21
2	2R	219	VAL	N-CA-CB	-7.97	96.46	111.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	219	VAL	N-CA-CB	-7.97	96.46	111.21
2	2Z	219	VAL	N-CA-CB	-7.97	96.46	111.21
2	43	219	VAL	N-CA-CB	-7.97	96.46	111.21
2	47	219	VAL	N-CA-CB	-7.97	96.46	111.21
2	5B	219	VAL	N-CA-CB	-7.97	96.46	111.21
2	53	219	VAL	N-CA-CB	-7.97	96.46	111.21
2	57	219	VAL	N-CA-CB	-7.97	96.46	111.21
2	6B	219	VAL	N-CA-CB	-7.97	96.46	111.21
2	13	72	ARG	NE-CZ-NH1	-7.97	113.53	121.50
2	17	72	ARG	NE-CZ-NH1	-7.97	113.53	121.50
2	2B	72	ARG	NE-CZ-NH1	-7.97	113.53	121.50
2	3R	72	ARG	NE-CZ-NH1	-7.97	113.53	121.50
2	3V	72	ARG	NE-CZ-NH1	-7.97	113.53	121.50
2	3Z	72	ARG	NE-CZ-NH1	-7.97	113.53	121.50
2	5F	72	ARG	NE-CZ-NH1	-7.97	113.53	121.50
2	5J	72	ARG	NE-CZ-NH1	-7.97	113.53	121.50
2	5N	72	ARG	NE-CZ-NH1	-7.97	113.53	121.50
2	63	72	ARG	NE-CZ-NH1	-7.97	113.53	121.50
2	67	72	ARG	NE-CZ-NH1	-7.97	113.53	121.50
2	7B	72	ARG	NE-CZ-NH1	-7.97	113.53	121.50
1	12	154	SER	N-CA-C	-7.97	98.07	109.62
2	13	56	SER	CA-CB-OG	7.97	127.03	111.10
1	16	154	SER	N-CA-C	-7.97	98.07	109.62
2	17	56	SER	CA-CB-OG	7.97	127.03	111.10
1	2A	154	SER	N-CA-C	-7.97	98.07	109.62
2	2B	56	SER	CA-CB-OG	7.97	127.03	111.10
1	3Q	154	SER	N-CA-C	-7.97	98.07	109.62
2	3R	56	SER	CA-CB-OG	7.97	127.03	111.10
1	3U	154	SER	N-CA-C	-7.97	98.07	109.62
2	3V	56	SER	CA-CB-OG	7.97	127.03	111.10
1	3Y	154	SER	N-CA-C	-7.97	98.07	109.62
2	3Z	56	SER	CA-CB-OG	7.97	127.03	111.10
1	5E	154	SER	N-CA-C	-7.97	98.07	109.62
2	5F	56	SER	CA-CB-OG	7.97	127.03	111.10
1	5I	154	SER	N-CA-C	-7.97	98.07	109.62
2	5J	56	SER	CA-CB-OG	7.97	127.03	111.10
1	5M	154	SER	N-CA-C	-7.97	98.07	109.62
2	5N	56	SER	CA-CB-OG	7.97	127.03	111.10
1	62	154	SER	N-CA-C	-7.97	98.07	109.62
2	63	56	SER	CA-CB-OG	7.97	127.03	111.10
1	66	154	SER	N-CA-C	-7.97	98.07	109.62
2	67	56	SER	CA-CB-OG	7.97	127.03	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7A	154	SER	N-CA-C	-7.97	98.07	109.62
2	7B	56	SER	CA-CB-OG	7.97	127.03	111.10
1	1A	167	GLY	N-CA-C	-7.96	94.31	113.18
2	1B	219	VAL	N-CA-CB	-7.96	96.47	111.21
1	1I	167	GLY	N-CA-C	-7.96	94.31	113.18
2	1J	219	VAL	N-CA-CB	-7.96	96.47	111.21
1	2E	167	GLY	N-CA-C	-7.96	94.31	113.18
2	2F	219	VAL	N-CA-CB	-7.96	96.47	111.21
1	26	167	GLY	N-CA-C	-7.96	94.31	113.18
2	27	219	VAL	N-CA-CB	-7.96	96.47	111.21
1	3E	167	GLY	N-CA-C	-7.96	94.31	113.18
2	3F	219	VAL	N-CA-CB	-7.96	96.47	111.21
1	4A	167	GLY	N-CA-C	-7.96	94.31	113.18
2	4B	219	VAL	N-CA-CB	-7.96	96.47	111.21
1	4M	167	GLY	N-CA-C	-7.96	94.31	113.18
2	4N	219	VAL	N-CA-CB	-7.96	96.47	111.21
1	4U	167	GLY	N-CA-C	-7.96	94.31	113.18
2	4V	219	VAL	N-CA-CB	-7.96	96.47	111.21
1	5Q	167	GLY	N-CA-C	-7.96	94.31	113.18
2	5R	219	VAL	N-CA-CB	-7.96	96.47	111.21
1	6I	167	GLY	N-CA-C	-7.96	94.31	113.18
2	6J	219	VAL	N-CA-CB	-7.96	96.47	111.21
1	6Q	167	GLY	N-CA-C	-7.96	94.31	113.18
2	6R	219	VAL	N-CA-CB	-7.96	96.47	111.21
1	7M	167	GLY	N-CA-C	-7.96	94.31	113.18
2	7N	219	VAL	N-CA-CB	-7.96	96.47	111.21
1	1M	167	GLY	N-CA-C	-7.96	94.32	113.18
1	2I	167	GLY	N-CA-C	-7.96	94.32	113.18
1	3A	167	GLY	N-CA-C	-7.96	94.32	113.18
1	3I	167	GLY	N-CA-C	-7.96	94.32	113.18
1	32	167	GLY	N-CA-C	-7.96	94.32	113.18
1	4E	167	GLY	N-CA-C	-7.96	94.32	113.18
1	4Y	167	GLY	N-CA-C	-7.96	94.32	113.18
1	5U	167	GLY	N-CA-C	-7.96	94.32	113.18
1	6M	167	GLY	N-CA-C	-7.96	94.32	113.18
1	6U	167	GLY	N-CA-C	-7.96	94.32	113.18
1	7E	167	GLY	N-CA-C	-7.96	94.32	113.18
1	7Q	167	GLY	N-CA-C	-7.96	94.32	113.18
1	1E	167	GLY	N-CA-C	-7.96	94.32	113.18
1	1Q	167	GLY	N-CA-C	-7.96	94.33	113.18
1	1U	167	GLY	N-CA-C	-7.96	94.33	113.18
1	1Y	167	GLY	N-CA-C	-7.96	94.33	113.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	12	167	GLY	N-CA-C	-7.96	94.32	113.18
1	16	167	GLY	N-CA-C	-7.96	94.32	113.18
1	2A	167	GLY	N-CA-C	-7.96	94.32	113.18
1	2M	167	GLY	N-CA-C	-7.96	94.32	113.18
1	2Q	167	GLY	N-CA-C	-7.96	94.33	113.18
1	2U	167	GLY	N-CA-C	-7.96	94.33	113.18
1	2Y	167	GLY	N-CA-C	-7.96	94.33	113.18
1	22	167	GLY	N-CA-C	-7.96	94.32	113.18
1	3M	167	GLY	N-CA-C	-7.96	94.32	113.18
1	3Q	167	GLY	N-CA-C	-7.96	94.32	113.18
1	3U	167	GLY	N-CA-C	-7.96	94.32	113.18
1	3Y	167	GLY	N-CA-C	-7.96	94.32	113.18
1	36	167	GLY	N-CA-C	-7.96	94.32	113.18
1	4I	167	GLY	N-CA-C	-7.96	94.32	113.18
1	4Q	167	GLY	N-CA-C	-7.96	94.32	113.18
1	42	167	GLY	N-CA-C	-7.96	94.33	113.18
1	46	167	GLY	N-CA-C	-7.96	94.33	113.18
1	5A	167	GLY	N-CA-C	-7.96	94.33	113.18
1	5E	167	GLY	N-CA-C	-7.96	94.32	113.18
1	5I	167	GLY	N-CA-C	-7.96	94.32	113.18
1	5M	167	GLY	N-CA-C	-7.96	94.32	113.18
1	5Y	167	GLY	N-CA-C	-7.96	94.32	113.18
1	52	167	GLY	N-CA-C	-7.96	94.33	113.18
1	56	167	GLY	N-CA-C	-7.96	94.33	113.18
1	6A	167	GLY	N-CA-C	-7.96	94.33	113.18
1	6E	167	GLY	N-CA-C	-7.96	94.32	113.18
1	6Y	167	GLY	N-CA-C	-7.96	94.32	113.18
1	62	167	GLY	N-CA-C	-7.96	94.32	113.18
1	66	167	GLY	N-CA-C	-7.96	94.32	113.18
1	7A	167	GLY	N-CA-C	-7.96	94.32	113.18
1	7I	167	GLY	N-CA-C	-7.96	94.32	113.18
1	7U	167	GLY	N-CA-C	-7.96	94.32	113.18
2	1R	10	GLN	CA-C-O	-7.96	109.13	120.51
2	1V	10	GLN	CA-C-O	-7.96	109.13	120.51
2	1Z	10	GLN	CA-C-O	-7.96	109.13	120.51
2	2R	10	GLN	CA-C-O	-7.96	109.13	120.51
2	2V	10	GLN	CA-C-O	-7.96	109.13	120.51
2	2Z	10	GLN	CA-C-O	-7.96	109.13	120.51
2	43	10	GLN	CA-C-O	-7.96	109.13	120.51
2	47	10	GLN	CA-C-O	-7.96	109.13	120.51
2	5B	10	GLN	CA-C-O	-7.96	109.13	120.51
2	53	10	GLN	CA-C-O	-7.96	109.13	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	10	GLN	CA-C-O	-7.96	109.13	120.51
2	6B	10	GLN	CA-C-O	-7.96	109.13	120.51
1	1E	48	TYR	CA-C-N	7.95	133.77	120.88
1	1E	48	TYR	C-N-CA	7.95	133.77	120.88
2	1F	207	GLY	O-C-N	7.95	130.97	123.57
1	2M	48	TYR	CA-C-N	7.95	133.77	120.88
1	2M	48	TYR	C-N-CA	7.95	133.77	120.88
2	2N	207	GLY	O-C-N	7.95	130.97	123.57
1	22	48	TYR	CA-C-N	7.95	133.77	120.88
1	22	48	TYR	C-N-CA	7.95	133.77	120.88
2	23	207	GLY	O-C-N	7.95	130.97	123.57
1	3M	48	TYR	CA-C-N	7.95	133.77	120.88
1	3M	48	TYR	C-N-CA	7.95	133.77	120.88
2	3N	207	GLY	O-C-N	7.95	130.97	123.57
1	36	48	TYR	CA-C-N	7.95	133.77	120.88
1	36	48	TYR	C-N-CA	7.95	133.77	120.88
2	37	207	GLY	O-C-N	7.95	130.97	123.57
1	4I	48	TYR	CA-C-N	7.95	133.77	120.88
1	4I	48	TYR	C-N-CA	7.95	133.77	120.88
2	4J	207	GLY	O-C-N	7.95	130.97	123.57
1	4Q	48	TYR	CA-C-N	7.95	133.77	120.88
1	4Q	48	TYR	C-N-CA	7.95	133.77	120.88
2	4R	207	GLY	O-C-N	7.95	130.97	123.57
1	5Y	48	TYR	CA-C-N	7.95	133.77	120.88
1	5Y	48	TYR	C-N-CA	7.95	133.77	120.88
2	5Z	207	GLY	O-C-N	7.95	130.97	123.57
1	6E	48	TYR	CA-C-N	7.95	133.77	120.88
1	6E	48	TYR	C-N-CA	7.95	133.77	120.88
2	6F	207	GLY	O-C-N	7.95	130.97	123.57
1	6Y	48	TYR	CA-C-N	7.95	133.77	120.88
1	6Y	48	TYR	C-N-CA	7.95	133.77	120.88
2	6Z	207	GLY	O-C-N	7.95	130.97	123.57
1	7I	48	TYR	CA-C-N	7.95	133.77	120.88
1	7I	48	TYR	C-N-CA	7.95	133.77	120.88
2	7J	207	GLY	O-C-N	7.95	130.97	123.57
1	7U	48	TYR	CA-C-N	7.95	133.77	120.88
1	7U	48	TYR	C-N-CA	7.95	133.77	120.88
2	7V	207	GLY	O-C-N	7.95	130.97	123.57
1	1M	48	TYR	CA-C-N	7.95	133.76	120.88
1	1M	48	TYR	C-N-CA	7.95	133.76	120.88
1	2I	48	TYR	CA-C-N	7.95	133.76	120.88
1	2I	48	TYR	C-N-CA	7.95	133.76	120.88

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3A	48	TYR	CA-C-N	7.95	133.76	120.88
1	3A	48	TYR	C-N-CA	7.95	133.76	120.88
1	3I	48	TYR	CA-C-N	7.95	133.76	120.88
1	3I	48	TYR	C-N-CA	7.95	133.76	120.88
1	32	48	TYR	CA-C-N	7.95	133.76	120.88
1	32	48	TYR	C-N-CA	7.95	133.76	120.88
1	4E	48	TYR	CA-C-N	7.95	133.76	120.88
1	4E	48	TYR	C-N-CA	7.95	133.76	120.88
1	4Y	48	TYR	CA-C-N	7.95	133.76	120.88
1	4Y	48	TYR	C-N-CA	7.95	133.76	120.88
1	5U	48	TYR	CA-C-N	7.95	133.76	120.88
1	5U	48	TYR	C-N-CA	7.95	133.76	120.88
1	6M	48	TYR	CA-C-N	7.95	133.76	120.88
1	6M	48	TYR	C-N-CA	7.95	133.76	120.88
1	6U	48	TYR	CA-C-N	7.95	133.76	120.88
1	6U	48	TYR	C-N-CA	7.95	133.76	120.88
1	7E	48	TYR	CA-C-N	7.95	133.76	120.88
1	7E	48	TYR	C-N-CA	7.95	133.76	120.88
1	7Q	48	TYR	CA-C-N	7.95	133.76	120.88
1	7Q	48	TYR	C-N-CA	7.95	133.76	120.88
2	1N	72	ARG	NE-CZ-NH2	-7.95	112.05	119.20
2	1R	217	PRO	CA-CB-CG	-7.95	89.40	104.50
2	1V	217	PRO	CA-CB-CG	-7.95	89.40	104.50
2	1Z	217	PRO	CA-CB-CG	-7.95	89.40	104.50
2	13	219	VAL	N-CA-CB	-7.95	96.50	111.21
2	17	219	VAL	N-CA-CB	-7.95	96.50	111.21
2	2B	219	VAL	N-CA-CB	-7.95	96.50	111.21
2	2J	72	ARG	NE-CZ-NH2	-7.95	112.05	119.20
2	2R	217	PRO	CA-CB-CG	-7.95	89.40	104.50
2	2V	217	PRO	CA-CB-CG	-7.95	89.40	104.50
2	2Z	217	PRO	CA-CB-CG	-7.95	89.40	104.50
2	3B	72	ARG	NE-CZ-NH2	-7.95	112.05	119.20
2	3J	72	ARG	NE-CZ-NH2	-7.95	112.05	119.20
2	3R	219	VAL	N-CA-CB	-7.95	96.50	111.21
2	3V	219	VAL	N-CA-CB	-7.95	96.50	111.21
2	3Z	219	VAL	N-CA-CB	-7.95	96.50	111.21
2	33	72	ARG	NE-CZ-NH2	-7.95	112.05	119.20
2	4F	72	ARG	NE-CZ-NH2	-7.95	112.05	119.20
2	4Z	72	ARG	NE-CZ-NH2	-7.95	112.05	119.20
2	43	217	PRO	CA-CB-CG	-7.95	89.40	104.50
2	47	217	PRO	CA-CB-CG	-7.95	89.40	104.50
2	5B	217	PRO	CA-CB-CG	-7.95	89.40	104.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5F	219	VAL	N-CA-CB	-7.95	96.50	111.21
2	5J	219	VAL	N-CA-CB	-7.95	96.50	111.21
2	5N	219	VAL	N-CA-CB	-7.95	96.50	111.21
2	5V	72	ARG	NE-CZ-NH2	-7.95	112.05	119.20
2	53	217	PRO	CA-CB-CG	-7.95	89.40	104.50
2	57	217	PRO	CA-CB-CG	-7.95	89.40	104.50
2	6B	217	PRO	CA-CB-CG	-7.95	89.40	104.50
2	6N	72	ARG	NE-CZ-NH2	-7.95	112.05	119.20
2	6V	72	ARG	NE-CZ-NH2	-7.95	112.05	119.20
2	63	219	VAL	N-CA-CB	-7.95	96.50	111.21
2	67	219	VAL	N-CA-CB	-7.95	96.50	111.21
2	7B	219	VAL	N-CA-CB	-7.95	96.50	111.21
2	7F	72	ARG	NE-CZ-NH2	-7.95	112.05	119.20
2	7R	72	ARG	NE-CZ-NH2	-7.95	112.05	119.20
1	12	48	TYR	CA-C-N	7.94	133.75	120.88
1	12	48	TYR	C-N-CA	7.94	133.75	120.88
1	16	48	TYR	CA-C-N	7.94	133.75	120.88
1	16	48	TYR	C-N-CA	7.94	133.75	120.88
1	2A	48	TYR	CA-C-N	7.94	133.75	120.88
1	2A	48	TYR	C-N-CA	7.94	133.75	120.88
1	3Q	48	TYR	CA-C-N	7.94	133.75	120.88
1	3Q	48	TYR	C-N-CA	7.94	133.75	120.88
1	3U	48	TYR	CA-C-N	7.94	133.75	120.88
1	3U	48	TYR	C-N-CA	7.94	133.75	120.88
1	3Y	48	TYR	CA-C-N	7.94	133.75	120.88
1	3Y	48	TYR	C-N-CA	7.94	133.75	120.88
1	5E	48	TYR	CA-C-N	7.94	133.75	120.88
1	5E	48	TYR	C-N-CA	7.94	133.75	120.88
1	5I	48	TYR	CA-C-N	7.94	133.75	120.88
1	5I	48	TYR	C-N-CA	7.94	133.75	120.88
1	5M	48	TYR	CA-C-N	7.94	133.75	120.88
1	5M	48	TYR	C-N-CA	7.94	133.75	120.88
1	62	48	TYR	CA-C-N	7.94	133.75	120.88
1	62	48	TYR	C-N-CA	7.94	133.75	120.88
1	66	48	TYR	CA-C-N	7.94	133.75	120.88
1	66	48	TYR	C-N-CA	7.94	133.75	120.88
1	7A	48	TYR	CA-C-N	7.94	133.75	120.88
1	7A	48	TYR	C-N-CA	7.94	133.75	120.88
1	1Q	48	TYR	CA-C-N	7.94	133.74	120.88
1	1Q	48	TYR	C-N-CA	7.94	133.74	120.88
2	1R	72	ARG	NE-CZ-NH2	-7.94	112.05	119.20
1	1U	48	TYR	CA-C-N	7.94	133.74	120.88

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1U	48	TYR	C-N-CA	7.94	133.74	120.88
2	1V	72	ARG	NE-CZ-NH2	-7.94	112.05	119.20
1	1Y	48	TYR	CA-C-N	7.94	133.74	120.88
1	1Y	48	TYR	C-N-CA	7.94	133.74	120.88
2	1Z	72	ARG	NE-CZ-NH2	-7.94	112.05	119.20
2	13	209	LEU	CB-CA-C	7.94	126.22	110.42
2	17	209	LEU	CB-CA-C	7.94	126.22	110.42
2	2B	209	LEU	CB-CA-C	7.94	126.22	110.42
1	2Q	48	TYR	CA-C-N	7.94	133.74	120.88
1	2Q	48	TYR	C-N-CA	7.94	133.74	120.88
2	2R	72	ARG	NE-CZ-NH2	-7.94	112.05	119.20
1	2U	48	TYR	CA-C-N	7.94	133.74	120.88
1	2U	48	TYR	C-N-CA	7.94	133.74	120.88
2	2V	72	ARG	NE-CZ-NH2	-7.94	112.05	119.20
1	2Y	48	TYR	CA-C-N	7.94	133.74	120.88
1	2Y	48	TYR	C-N-CA	7.94	133.74	120.88
2	2Z	72	ARG	NE-CZ-NH2	-7.94	112.05	119.20
2	3R	209	LEU	CB-CA-C	7.94	126.22	110.42
2	3V	209	LEU	CB-CA-C	7.94	126.22	110.42
2	3Z	209	LEU	CB-CA-C	7.94	126.22	110.42
1	42	48	TYR	CA-C-N	7.94	133.74	120.88
1	42	48	TYR	C-N-CA	7.94	133.74	120.88
2	43	72	ARG	NE-CZ-NH2	-7.94	112.05	119.20
1	46	48	TYR	CA-C-N	7.94	133.74	120.88
1	46	48	TYR	C-N-CA	7.94	133.74	120.88
2	47	72	ARG	NE-CZ-NH2	-7.94	112.05	119.20
1	5A	48	TYR	CA-C-N	7.94	133.74	120.88
1	5A	48	TYR	C-N-CA	7.94	133.74	120.88
2	5B	72	ARG	NE-CZ-NH2	-7.94	112.05	119.20
2	5F	209	LEU	CB-CA-C	7.94	126.22	110.42
2	5J	209	LEU	CB-CA-C	7.94	126.22	110.42
2	5N	209	LEU	CB-CA-C	7.94	126.22	110.42
1	52	48	TYR	CA-C-N	7.94	133.74	120.88
1	52	48	TYR	C-N-CA	7.94	133.74	120.88
2	53	72	ARG	NE-CZ-NH2	-7.94	112.05	119.20
1	56	48	TYR	CA-C-N	7.94	133.74	120.88
1	56	48	TYR	C-N-CA	7.94	133.74	120.88
2	57	72	ARG	NE-CZ-NH2	-7.94	112.05	119.20
1	6A	48	TYR	CA-C-N	7.94	133.74	120.88
1	6A	48	TYR	C-N-CA	7.94	133.74	120.88
2	6B	72	ARG	NE-CZ-NH2	-7.94	112.05	119.20
2	63	209	LEU	CB-CA-C	7.94	126.22	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	209	LEU	CB-CA-C	7.94	126.22	110.42
2	7B	209	LEU	CB-CA-C	7.94	126.22	110.42
2	1B	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	1J	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	1N	72	ARG	NE-CZ-NH1	-7.94	113.56	121.50
2	1N	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	2F	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	2J	72	ARG	NE-CZ-NH1	-7.94	113.56	121.50
2	2J	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	27	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	3B	72	ARG	NE-CZ-NH1	-7.94	113.56	121.50
2	3B	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	3F	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	3J	72	ARG	NE-CZ-NH1	-7.94	113.56	121.50
2	3J	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	33	72	ARG	NE-CZ-NH1	-7.94	113.56	121.50
2	33	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	4B	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	4F	72	ARG	NE-CZ-NH1	-7.94	113.56	121.50
2	4F	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	4N	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	4V	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	4Z	72	ARG	NE-CZ-NH1	-7.94	113.56	121.50
2	4Z	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	5R	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	5V	72	ARG	NE-CZ-NH1	-7.94	113.56	121.50
2	5V	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	6J	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	6N	72	ARG	NE-CZ-NH1	-7.94	113.56	121.50
2	6N	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	6R	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	6V	72	ARG	NE-CZ-NH1	-7.94	113.56	121.50
2	6V	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	7F	72	ARG	NE-CZ-NH1	-7.94	113.56	121.50
2	7F	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	7N	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	7R	72	ARG	NE-CZ-NH1	-7.94	113.56	121.50
2	7R	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	13	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	17	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	2B	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	3R	217	PRO	CA-CB-CG	-7.94	89.42	104.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	3Z	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	5F	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	5J	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	5N	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	63	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	67	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	7B	217	PRO	CA-CB-CG	-7.94	89.42	104.50
2	1B	72	ARG	NE-CZ-NH2	-7.93	112.06	119.20
2	1J	72	ARG	NE-CZ-NH2	-7.93	112.06	119.20
2	2F	72	ARG	NE-CZ-NH2	-7.93	112.06	119.20
2	27	72	ARG	NE-CZ-NH2	-7.93	112.06	119.20
2	3F	72	ARG	NE-CZ-NH2	-7.93	112.06	119.20
2	4B	72	ARG	NE-CZ-NH2	-7.93	112.06	119.20
2	4N	72	ARG	NE-CZ-NH2	-7.93	112.06	119.20
2	4V	72	ARG	NE-CZ-NH2	-7.93	112.06	119.20
2	5R	72	ARG	NE-CZ-NH2	-7.93	112.06	119.20
2	6J	72	ARG	NE-CZ-NH2	-7.93	112.06	119.20
2	6R	72	ARG	NE-CZ-NH2	-7.93	112.06	119.20
2	7N	72	ARG	NE-CZ-NH2	-7.93	112.06	119.20
1	1A	48	TYR	CA-C-N	7.93	133.73	120.88
1	1A	48	TYR	C-N-CA	7.93	133.73	120.88
1	1I	48	TYR	CA-C-N	7.93	133.73	120.88
1	1I	48	TYR	C-N-CA	7.93	133.73	120.88
1	2E	48	TYR	CA-C-N	7.93	133.73	120.88
1	2E	48	TYR	C-N-CA	7.93	133.73	120.88
1	26	48	TYR	CA-C-N	7.93	133.73	120.88
1	26	48	TYR	C-N-CA	7.93	133.73	120.88
1	3E	48	TYR	CA-C-N	7.93	133.73	120.88
1	3E	48	TYR	C-N-CA	7.93	133.73	120.88
1	4A	48	TYR	CA-C-N	7.93	133.73	120.88
1	4A	48	TYR	C-N-CA	7.93	133.73	120.88
1	4M	48	TYR	CA-C-N	7.93	133.73	120.88
1	4M	48	TYR	C-N-CA	7.93	133.73	120.88
1	4U	48	TYR	CA-C-N	7.93	133.73	120.88
1	4U	48	TYR	C-N-CA	7.93	133.73	120.88
1	5Q	48	TYR	CA-C-N	7.93	133.73	120.88
1	5Q	48	TYR	C-N-CA	7.93	133.73	120.88
1	6I	48	TYR	CA-C-N	7.93	133.73	120.88
1	6I	48	TYR	C-N-CA	7.93	133.73	120.88
1	6Q	48	TYR	CA-C-N	7.93	133.73	120.88
1	6Q	48	TYR	C-N-CA	7.93	133.73	120.88

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	48	TYR	CA-C-N	7.93	133.73	120.88
1	7M	48	TYR	C-N-CA	7.93	133.73	120.88
2	1B	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	1F	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	1F	217	PRO	CA-CB-CG	-7.93	89.44	104.50
2	1J	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	1R	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	1V	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	1Z	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	2F	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	2N	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	2N	217	PRO	CA-CB-CG	-7.93	89.44	104.50
2	2R	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	2V	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	2Z	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	23	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	23	217	PRO	CA-CB-CG	-7.93	89.44	104.50
2	27	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	3F	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	3N	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	3N	217	PRO	CA-CB-CG	-7.93	89.44	104.50
2	37	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	37	217	PRO	CA-CB-CG	-7.93	89.44	104.50
2	4B	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	4J	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	4J	217	PRO	CA-CB-CG	-7.93	89.44	104.50
2	4N	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	4R	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	4R	217	PRO	CA-CB-CG	-7.93	89.44	104.50
2	4V	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	43	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	47	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	5B	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	5R	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	5Z	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	5Z	217	PRO	CA-CB-CG	-7.93	89.44	104.50
2	53	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	57	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	6B	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	6F	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	6F	217	PRO	CA-CB-CG	-7.93	89.44	104.50
2	6J	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	6Z	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	6Z	217	PRO	CA-CB-CG	-7.93	89.44	104.50
2	7J	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	7J	217	PRO	CA-CB-CG	-7.93	89.44	104.50
2	7N	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	7V	72	ARG	NE-CZ-NH1	-7.93	113.57	121.50
2	7V	217	PRO	CA-CB-CG	-7.93	89.44	104.50
1	1A	182	PHE	CB-CG-CD2	-7.93	107.22	120.70
1	1I	182	PHE	CB-CG-CD2	-7.93	107.22	120.70
1	2E	182	PHE	CB-CG-CD2	-7.93	107.22	120.70
1	26	182	PHE	CB-CG-CD2	-7.93	107.22	120.70
1	3E	182	PHE	CB-CG-CD2	-7.93	107.22	120.70
1	4A	182	PHE	CB-CG-CD2	-7.93	107.22	120.70
1	4M	182	PHE	CB-CG-CD2	-7.93	107.22	120.70
1	4U	182	PHE	CB-CG-CD2	-7.93	107.22	120.70
1	5Q	182	PHE	CB-CG-CD2	-7.93	107.22	120.70
1	6I	182	PHE	CB-CG-CD2	-7.93	107.22	120.70
1	6Q	182	PHE	CB-CG-CD2	-7.93	107.22	120.70
1	7M	182	PHE	CB-CG-CD2	-7.93	107.22	120.70
2	1N	209	LEU	CB-CA-C	7.92	126.19	110.42
2	2J	209	LEU	CB-CA-C	7.92	126.19	110.42
2	3B	209	LEU	CB-CA-C	7.92	126.19	110.42
2	3J	209	LEU	CB-CA-C	7.92	126.19	110.42
2	33	209	LEU	CB-CA-C	7.92	126.19	110.42
2	4F	209	LEU	CB-CA-C	7.92	126.19	110.42
2	4Z	209	LEU	CB-CA-C	7.92	126.19	110.42
2	5V	209	LEU	CB-CA-C	7.92	126.19	110.42
2	6N	209	LEU	CB-CA-C	7.92	126.19	110.42
2	6V	209	LEU	CB-CA-C	7.92	126.19	110.42
2	7F	209	LEU	CB-CA-C	7.92	126.19	110.42
2	7R	209	LEU	CB-CA-C	7.92	126.19	110.42
1	1E	182	PHE	CB-CG-CD2	-7.92	107.23	120.70
1	2M	182	PHE	CB-CG-CD2	-7.92	107.23	120.70
1	22	182	PHE	CB-CG-CD2	-7.92	107.23	120.70
1	3M	182	PHE	CB-CG-CD2	-7.92	107.23	120.70
1	36	182	PHE	CB-CG-CD2	-7.92	107.23	120.70
1	4I	182	PHE	CB-CG-CD2	-7.92	107.23	120.70
1	4Q	182	PHE	CB-CG-CD2	-7.92	107.23	120.70
1	5Y	182	PHE	CB-CG-CD2	-7.92	107.23	120.70
1	6E	182	PHE	CB-CG-CD2	-7.92	107.23	120.70
1	6Y	182	PHE	CB-CG-CD2	-7.92	107.23	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	182	PHE	CB-CG-CD2	-7.92	107.23	120.70
1	7U	182	PHE	CB-CG-CD2	-7.92	107.23	120.70
1	1M	182	PHE	CB-CG-CD2	-7.92	107.24	120.70
1	2I	182	PHE	CB-CG-CD2	-7.92	107.24	120.70
1	3A	182	PHE	CB-CG-CD2	-7.92	107.24	120.70
1	3I	182	PHE	CB-CG-CD2	-7.92	107.24	120.70
1	32	182	PHE	CB-CG-CD2	-7.92	107.24	120.70
1	4E	182	PHE	CB-CG-CD2	-7.92	107.24	120.70
1	4Y	182	PHE	CB-CG-CD2	-7.92	107.24	120.70
1	5U	182	PHE	CB-CG-CD2	-7.92	107.24	120.70
1	6M	182	PHE	CB-CG-CD2	-7.92	107.24	120.70
1	6U	182	PHE	CB-CG-CD2	-7.92	107.24	120.70
1	7E	182	PHE	CB-CG-CD2	-7.92	107.24	120.70
1	7Q	182	PHE	CB-CG-CD2	-7.92	107.24	120.70
2	1R	209	LEU	CB-CA-C	7.92	126.17	110.42
2	1V	209	LEU	CB-CA-C	7.92	126.17	110.42
2	1Z	209	LEU	CB-CA-C	7.92	126.17	110.42
2	2R	209	LEU	CB-CA-C	7.92	126.17	110.42
2	2V	209	LEU	CB-CA-C	7.92	126.17	110.42
2	2Z	209	LEU	CB-CA-C	7.92	126.17	110.42
2	43	209	LEU	CB-CA-C	7.92	126.17	110.42
2	47	209	LEU	CB-CA-C	7.92	126.17	110.42
2	5B	209	LEU	CB-CA-C	7.92	126.17	110.42
2	53	209	LEU	CB-CA-C	7.92	126.17	110.42
2	57	209	LEU	CB-CA-C	7.92	126.17	110.42
2	6B	209	LEU	CB-CA-C	7.92	126.17	110.42
2	1B	209	LEU	CB-CA-C	7.91	126.17	110.42
2	1J	209	LEU	CB-CA-C	7.91	126.17	110.42
1	12	182	PHE	CB-CG-CD2	-7.91	107.25	120.70
1	16	182	PHE	CB-CG-CD2	-7.91	107.25	120.70
1	2A	182	PHE	CB-CG-CD2	-7.91	107.25	120.70
2	2F	209	LEU	CB-CA-C	7.91	126.17	110.42
2	27	209	LEU	CB-CA-C	7.91	126.17	110.42
2	3F	209	LEU	CB-CA-C	7.91	126.17	110.42
1	3Q	182	PHE	CB-CG-CD2	-7.91	107.25	120.70
1	3U	182	PHE	CB-CG-CD2	-7.91	107.25	120.70
1	3Y	182	PHE	CB-CG-CD2	-7.91	107.25	120.70
2	4B	209	LEU	CB-CA-C	7.91	126.17	110.42
2	4N	209	LEU	CB-CA-C	7.91	126.17	110.42
2	4V	209	LEU	CB-CA-C	7.91	126.17	110.42
1	5E	182	PHE	CB-CG-CD2	-7.91	107.25	120.70
1	5I	182	PHE	CB-CG-CD2	-7.91	107.25	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	182	PHE	CB-CG-CD2	-7.91	107.25	120.70
2	5R	209	LEU	CB-CA-C	7.91	126.17	110.42
2	6J	209	LEU	CB-CA-C	7.91	126.17	110.42
2	6R	209	LEU	CB-CA-C	7.91	126.17	110.42
1	62	182	PHE	CB-CG-CD2	-7.91	107.25	120.70
1	66	182	PHE	CB-CG-CD2	-7.91	107.25	120.70
1	7A	182	PHE	CB-CG-CD2	-7.91	107.25	120.70
2	7N	209	LEU	CB-CA-C	7.91	126.17	110.42
2	1B	115	VAL	CB-CA-C	-7.91	102.47	111.80
2	1F	5	ASN	O-C-N	-7.91	114.01	123.10
2	1J	115	VAL	CB-CA-C	-7.91	102.47	111.80
2	2F	115	VAL	CB-CA-C	-7.91	102.47	111.80
2	2N	5	ASN	O-C-N	-7.91	114.01	123.10
2	23	5	ASN	O-C-N	-7.91	114.01	123.10
2	27	115	VAL	CB-CA-C	-7.91	102.47	111.80
2	3F	115	VAL	CB-CA-C	-7.91	102.47	111.80
2	3N	5	ASN	O-C-N	-7.91	114.01	123.10
2	37	5	ASN	O-C-N	-7.91	114.01	123.10
2	4B	115	VAL	CB-CA-C	-7.91	102.47	111.80
2	4J	5	ASN	O-C-N	-7.91	114.01	123.10
2	4N	115	VAL	CB-CA-C	-7.91	102.47	111.80
2	4R	5	ASN	O-C-N	-7.91	114.01	123.10
2	4V	115	VAL	CB-CA-C	-7.91	102.47	111.80
2	5R	115	VAL	CB-CA-C	-7.91	102.47	111.80
2	5Z	5	ASN	O-C-N	-7.91	114.01	123.10
2	6F	5	ASN	O-C-N	-7.91	114.01	123.10
2	6J	115	VAL	CB-CA-C	-7.91	102.47	111.80
2	6R	115	VAL	CB-CA-C	-7.91	102.47	111.80
2	6Z	5	ASN	O-C-N	-7.91	114.01	123.10
2	7J	5	ASN	O-C-N	-7.91	114.01	123.10
2	7N	115	VAL	CB-CA-C	-7.91	102.47	111.80
2	7V	5	ASN	O-C-N	-7.91	114.01	123.10
1	1Q	182	PHE	CB-CG-CD2	-7.90	107.26	120.70
1	1U	182	PHE	CB-CG-CD2	-7.90	107.26	120.70
1	1Y	182	PHE	CB-CG-CD2	-7.90	107.26	120.70
1	2Q	182	PHE	CB-CG-CD2	-7.90	107.26	120.70
1	2U	182	PHE	CB-CG-CD2	-7.90	107.26	120.70
1	2Y	182	PHE	CB-CG-CD2	-7.90	107.26	120.70
1	42	182	PHE	CB-CG-CD2	-7.90	107.26	120.70
1	46	182	PHE	CB-CG-CD2	-7.90	107.26	120.70
1	5A	182	PHE	CB-CG-CD2	-7.90	107.26	120.70
1	52	182	PHE	CB-CG-CD2	-7.90	107.26	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	182	PHE	CB-CG-CD2	-7.90	107.26	120.70
1	6A	182	PHE	CB-CG-CD2	-7.90	107.26	120.70
2	1F	209	LEU	CB-CA-C	7.90	126.14	110.42
2	2N	209	LEU	CB-CA-C	7.90	126.14	110.42
2	23	209	LEU	CB-CA-C	7.90	126.14	110.42
2	3N	209	LEU	CB-CA-C	7.90	126.14	110.42
2	37	209	LEU	CB-CA-C	7.90	126.14	110.42
2	4J	209	LEU	CB-CA-C	7.90	126.14	110.42
2	4R	209	LEU	CB-CA-C	7.90	126.14	110.42
2	5Z	209	LEU	CB-CA-C	7.90	126.14	110.42
2	6F	209	LEU	CB-CA-C	7.90	126.14	110.42
2	6Z	209	LEU	CB-CA-C	7.90	126.14	110.42
2	7J	209	LEU	CB-CA-C	7.90	126.14	110.42
2	7V	209	LEU	CB-CA-C	7.90	126.14	110.42
2	1N	77	THR	CA-CB-CG2	-7.90	97.07	110.50
2	2J	77	THR	CA-CB-CG2	-7.90	97.07	110.50
2	3B	77	THR	CA-CB-CG2	-7.90	97.07	110.50
2	3J	77	THR	CA-CB-CG2	-7.90	97.07	110.50
2	33	77	THR	CA-CB-CG2	-7.90	97.07	110.50
2	4F	77	THR	CA-CB-CG2	-7.90	97.07	110.50
2	4Z	77	THR	CA-CB-CG2	-7.90	97.07	110.50
2	5V	77	THR	CA-CB-CG2	-7.90	97.07	110.50
2	6N	77	THR	CA-CB-CG2	-7.90	97.07	110.50
2	6V	77	THR	CA-CB-CG2	-7.90	97.07	110.50
2	7F	77	THR	CA-CB-CG2	-7.90	97.07	110.50
2	7R	77	THR	CA-CB-CG2	-7.90	97.07	110.50
2	1R	15	VAL	CG1-CB-CG2	-7.90	93.43	110.80
2	1V	15	VAL	CG1-CB-CG2	-7.90	93.43	110.80
2	1Z	15	VAL	CG1-CB-CG2	-7.90	93.43	110.80
2	2R	15	VAL	CG1-CB-CG2	-7.90	93.43	110.80
2	2V	15	VAL	CG1-CB-CG2	-7.90	93.43	110.80
2	2Z	15	VAL	CG1-CB-CG2	-7.90	93.43	110.80
2	43	15	VAL	CG1-CB-CG2	-7.90	93.43	110.80
2	47	15	VAL	CG1-CB-CG2	-7.90	93.43	110.80
2	5B	15	VAL	CG1-CB-CG2	-7.90	93.43	110.80
2	53	15	VAL	CG1-CB-CG2	-7.90	93.43	110.80
2	57	15	VAL	CG1-CB-CG2	-7.90	93.43	110.80
2	6B	15	VAL	CG1-CB-CG2	-7.90	93.43	110.80
2	1F	115	VAL	CB-CA-C	-7.89	102.48	111.80
2	2N	115	VAL	CB-CA-C	-7.89	102.48	111.80
2	23	115	VAL	CB-CA-C	-7.89	102.48	111.80
2	3N	115	VAL	CB-CA-C	-7.89	102.48	111.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	115	VAL	CB-CA-C	-7.89	102.48	111.80
2	4J	115	VAL	CB-CA-C	-7.89	102.48	111.80
2	4R	115	VAL	CB-CA-C	-7.89	102.48	111.80
2	5Z	115	VAL	CB-CA-C	-7.89	102.48	111.80
2	6F	115	VAL	CB-CA-C	-7.89	102.48	111.80
2	6Z	115	VAL	CB-CA-C	-7.89	102.48	111.80
2	7J	115	VAL	CB-CA-C	-7.89	102.48	111.80
2	7V	115	VAL	CB-CA-C	-7.89	102.48	111.80
2	1R	77	THR	CA-CB-CG2	-7.89	97.08	110.50
2	1V	77	THR	CA-CB-CG2	-7.89	97.08	110.50
2	1Z	77	THR	CA-CB-CG2	-7.89	97.08	110.50
2	13	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	17	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	2B	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	2R	77	THR	CA-CB-CG2	-7.89	97.08	110.50
2	2V	77	THR	CA-CB-CG2	-7.89	97.08	110.50
2	2Z	77	THR	CA-CB-CG2	-7.89	97.08	110.50
2	3R	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	3V	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	3Z	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	43	77	THR	CA-CB-CG2	-7.89	97.08	110.50
2	47	77	THR	CA-CB-CG2	-7.89	97.08	110.50
2	5B	77	THR	CA-CB-CG2	-7.89	97.08	110.50
2	5F	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	5J	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	5N	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	53	77	THR	CA-CB-CG2	-7.89	97.08	110.50
2	57	77	THR	CA-CB-CG2	-7.89	97.08	110.50
2	6B	77	THR	CA-CB-CG2	-7.89	97.08	110.50
2	63	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	67	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	7B	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	1F	77	THR	CA-CB-CG2	-7.89	97.09	110.50
2	1N	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	2J	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	2N	77	THR	CA-CB-CG2	-7.89	97.09	110.50
2	23	77	THR	CA-CB-CG2	-7.89	97.09	110.50
2	3B	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	3J	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	3N	77	THR	CA-CB-CG2	-7.89	97.09	110.50
2	33	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	37	77	THR	CA-CB-CG2	-7.89	97.09	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	4J	77	THR	CA-CB-CG2	-7.89	97.09	110.50
2	4R	77	THR	CA-CB-CG2	-7.89	97.09	110.50
2	4Z	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	5V	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	5Z	77	THR	CA-CB-CG2	-7.89	97.09	110.50
2	6F	77	THR	CA-CB-CG2	-7.89	97.09	110.50
2	6N	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	6V	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	6Z	77	THR	CA-CB-CG2	-7.89	97.09	110.50
2	7F	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	7J	77	THR	CA-CB-CG2	-7.89	97.09	110.50
2	7R	115	VAL	CB-CA-C	-7.89	102.49	111.80
2	7V	77	THR	CA-CB-CG2	-7.89	97.09	110.50
2	1B	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	1F	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	1F	72	ARG	NE-CZ-NH2	-7.89	112.10	119.20
2	1J	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	1N	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	2F	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	2J	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	2N	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	2N	72	ARG	NE-CZ-NH2	-7.89	112.10	119.20
2	23	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	23	72	ARG	NE-CZ-NH2	-7.89	112.10	119.20
2	27	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	3B	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	3F	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	3J	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	3N	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	3N	72	ARG	NE-CZ-NH2	-7.89	112.10	119.20
2	33	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	37	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	37	72	ARG	NE-CZ-NH2	-7.89	112.10	119.20
2	4B	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	4F	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	4J	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	4J	72	ARG	NE-CZ-NH2	-7.89	112.10	119.20
2	4N	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	4R	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	4R	72	ARG	NE-CZ-NH2	-7.89	112.10	119.20
2	4V	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4Z	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	5R	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	5V	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	5Z	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	5Z	72	ARG	NE-CZ-NH2	-7.89	112.10	119.20
2	6F	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	6F	72	ARG	NE-CZ-NH2	-7.89	112.10	119.20
2	6J	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	6N	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	6R	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	6V	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	6Z	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	6Z	72	ARG	NE-CZ-NH2	-7.89	112.10	119.20
2	7F	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	7J	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	7J	72	ARG	NE-CZ-NH2	-7.89	112.10	119.20
2	7N	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	7R	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	7V	15	VAL	CG1-CB-CG2	-7.89	93.45	110.80
2	7V	72	ARG	NE-CZ-NH2	-7.89	112.10	119.20
2	1R	115	VAL	CB-CA-C	-7.88	102.50	111.80
2	1V	115	VAL	CB-CA-C	-7.88	102.50	111.80
2	1Z	115	VAL	CB-CA-C	-7.88	102.50	111.80
2	13	15	VAL	CG1-CB-CG2	-7.88	93.46	110.80
2	17	15	VAL	CG1-CB-CG2	-7.88	93.46	110.80
2	2B	15	VAL	CG1-CB-CG2	-7.88	93.46	110.80
2	2R	115	VAL	CB-CA-C	-7.88	102.50	111.80
2	2V	115	VAL	CB-CA-C	-7.88	102.50	111.80
2	2Z	115	VAL	CB-CA-C	-7.88	102.50	111.80
2	3R	15	VAL	CG1-CB-CG2	-7.88	93.46	110.80
2	3V	15	VAL	CG1-CB-CG2	-7.88	93.46	110.80
2	3Z	15	VAL	CG1-CB-CG2	-7.88	93.46	110.80
2	43	115	VAL	CB-CA-C	-7.88	102.50	111.80
2	47	115	VAL	CB-CA-C	-7.88	102.50	111.80
2	5B	115	VAL	CB-CA-C	-7.88	102.50	111.80
2	5F	15	VAL	CG1-CB-CG2	-7.88	93.46	110.80
2	5J	15	VAL	CG1-CB-CG2	-7.88	93.46	110.80
2	5N	15	VAL	CG1-CB-CG2	-7.88	93.46	110.80
2	53	115	VAL	CB-CA-C	-7.88	102.50	111.80
2	57	115	VAL	CB-CA-C	-7.88	102.50	111.80
2	6B	115	VAL	CB-CA-C	-7.88	102.50	111.80
2	63	15	VAL	CG1-CB-CG2	-7.88	93.46	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	15	VAL	CG1-CB-CG2	-7.88	93.46	110.80
2	7B	15	VAL	CG1-CB-CG2	-7.88	93.46	110.80
2	1B	5	ASN	O-C-N	-7.88	114.04	123.10
2	1J	5	ASN	O-C-N	-7.88	114.04	123.10
2	2F	5	ASN	O-C-N	-7.88	114.04	123.10
2	27	5	ASN	O-C-N	-7.88	114.04	123.10
2	3F	5	ASN	O-C-N	-7.88	114.04	123.10
2	4B	5	ASN	O-C-N	-7.88	114.04	123.10
2	4N	5	ASN	O-C-N	-7.88	114.04	123.10
2	4V	5	ASN	O-C-N	-7.88	114.04	123.10
2	5R	5	ASN	O-C-N	-7.88	114.04	123.10
2	6J	5	ASN	O-C-N	-7.88	114.04	123.10
2	6R	5	ASN	O-C-N	-7.88	114.04	123.10
2	7N	5	ASN	O-C-N	-7.88	114.04	123.10
2	13	5	ASN	O-C-N	-7.87	114.05	123.10
2	13	72	ARG	NE-CZ-NH2	-7.87	112.11	119.20
2	13	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	17	5	ASN	O-C-N	-7.87	114.05	123.10
2	17	72	ARG	NE-CZ-NH2	-7.87	112.11	119.20
2	17	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	2B	5	ASN	O-C-N	-7.87	114.05	123.10
2	2B	72	ARG	NE-CZ-NH2	-7.87	112.11	119.20
2	2B	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	3R	5	ASN	O-C-N	-7.87	114.05	123.10
2	3R	72	ARG	NE-CZ-NH2	-7.87	112.11	119.20
2	3R	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	3V	5	ASN	O-C-N	-7.87	114.05	123.10
2	3V	72	ARG	NE-CZ-NH2	-7.87	112.11	119.20
2	3V	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	3Z	5	ASN	O-C-N	-7.87	114.05	123.10
2	3Z	72	ARG	NE-CZ-NH2	-7.87	112.11	119.20
2	3Z	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	5F	5	ASN	O-C-N	-7.87	114.05	123.10
2	5F	72	ARG	NE-CZ-NH2	-7.87	112.11	119.20
2	5F	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	5J	5	ASN	O-C-N	-7.87	114.05	123.10
2	5J	72	ARG	NE-CZ-NH2	-7.87	112.11	119.20
2	5J	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	5N	5	ASN	O-C-N	-7.87	114.05	123.10
2	5N	72	ARG	NE-CZ-NH2	-7.87	112.11	119.20
2	5N	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	63	5	ASN	O-C-N	-7.87	114.05	123.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	63	72	ARG	NE-CZ-NH2	-7.87	112.11	119.20
2	63	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	67	5	ASN	O-C-N	-7.87	114.05	123.10
2	67	72	ARG	NE-CZ-NH2	-7.87	112.11	119.20
2	67	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	7B	5	ASN	O-C-N	-7.87	114.05	123.10
2	7B	72	ARG	NE-CZ-NH2	-7.87	112.11	119.20
2	7B	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	1B	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	1J	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	2F	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	27	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	3F	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	4B	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	4N	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	4V	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	5R	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	6J	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	6R	77	THR	CA-CB-CG2	-7.87	97.12	110.50
2	7N	77	THR	CA-CB-CG2	-7.87	97.12	110.50
1	1Q	80	PHE	CG-CD1-CE1	-7.87	107.32	120.70
1	1U	80	PHE	CG-CD1-CE1	-7.87	107.32	120.70
1	1Y	80	PHE	CG-CD1-CE1	-7.87	107.32	120.70
1	2Q	80	PHE	CG-CD1-CE1	-7.87	107.32	120.70
1	2U	80	PHE	CG-CD1-CE1	-7.87	107.32	120.70
1	2Y	80	PHE	CG-CD1-CE1	-7.87	107.32	120.70
1	42	80	PHE	CG-CD1-CE1	-7.87	107.32	120.70
1	46	80	PHE	CG-CD1-CE1	-7.87	107.32	120.70
1	5A	80	PHE	CG-CD1-CE1	-7.87	107.32	120.70
1	52	80	PHE	CG-CD1-CE1	-7.87	107.32	120.70
1	56	80	PHE	CG-CD1-CE1	-7.87	107.32	120.70
1	6A	80	PHE	CG-CD1-CE1	-7.87	107.32	120.70
2	1N	5	ASN	O-C-N	-7.87	114.05	123.10
2	2J	5	ASN	O-C-N	-7.87	114.05	123.10
2	3B	5	ASN	O-C-N	-7.87	114.05	123.10
2	3J	5	ASN	O-C-N	-7.87	114.05	123.10
2	33	5	ASN	O-C-N	-7.87	114.05	123.10
2	4F	5	ASN	O-C-N	-7.87	114.05	123.10
2	4Z	5	ASN	O-C-N	-7.87	114.05	123.10
2	5V	5	ASN	O-C-N	-7.87	114.05	123.10
2	6N	5	ASN	O-C-N	-7.87	114.05	123.10
2	6V	5	ASN	O-C-N	-7.87	114.05	123.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	5	ASN	O-C-N	-7.87	114.05	123.10
2	7R	5	ASN	O-C-N	-7.87	114.05	123.10
1	12	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	16	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	2A	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	3Q	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	3U	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	3Y	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	5E	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	5I	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	5M	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	62	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	66	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	7A	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	1E	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	2M	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	22	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	3M	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	36	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	4I	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	4Q	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	5Y	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	6E	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	6Y	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	7I	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
1	7U	80	PHE	CG-CD1-CE1	-7.86	107.34	120.70
2	1B	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	1F	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	1J	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	13	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	17	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	2B	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	2F	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	2N	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	23	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	27	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	3F	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	3N	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	3R	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	3V	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	3Z	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	37	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	4J	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	4N	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	4R	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	4V	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	5F	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	5J	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	5N	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	5R	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	5Z	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	6F	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	6J	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	6R	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	6Z	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	63	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	67	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	7B	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	7J	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	7N	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	7V	41	PHE	CZ-CE2-CD2	-7.86	105.86	120.00
2	1R	5	ASN	O-C-N	-7.86	114.07	123.10
2	1V	5	ASN	O-C-N	-7.86	114.07	123.10
2	1Z	5	ASN	O-C-N	-7.86	114.07	123.10
2	2R	5	ASN	O-C-N	-7.86	114.07	123.10
2	2V	5	ASN	O-C-N	-7.86	114.07	123.10
2	2Z	5	ASN	O-C-N	-7.86	114.07	123.10
2	43	5	ASN	O-C-N	-7.86	114.07	123.10
2	47	5	ASN	O-C-N	-7.86	114.07	123.10
2	5B	5	ASN	O-C-N	-7.86	114.07	123.10
2	53	5	ASN	O-C-N	-7.86	114.07	123.10
2	57	5	ASN	O-C-N	-7.86	114.07	123.10
2	6B	5	ASN	O-C-N	-7.86	114.07	123.10
1	1M	26	ALA	CA-C-O	-7.85	109.14	120.13
1	1M	80	PHE	CG-CD1-CE1	-7.85	107.35	120.70
2	1R	41	PHE	CZ-CE2-CD2	-7.85	105.86	120.00
2	1V	41	PHE	CZ-CE2-CD2	-7.85	105.86	120.00
2	1Z	41	PHE	CZ-CE2-CD2	-7.85	105.86	120.00
1	2I	26	ALA	CA-C-O	-7.85	109.14	120.13
1	2I	80	PHE	CG-CD1-CE1	-7.85	107.35	120.70
2	2R	41	PHE	CZ-CE2-CD2	-7.85	105.86	120.00
2	2V	41	PHE	CZ-CE2-CD2	-7.85	105.86	120.00
2	2Z	41	PHE	CZ-CE2-CD2	-7.85	105.86	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3A	26	ALA	CA-C-O	-7.85	109.14	120.13
1	3A	80	PHE	CG-CD1-CE1	-7.85	107.35	120.70
1	3I	26	ALA	CA-C-O	-7.85	109.14	120.13
1	3I	80	PHE	CG-CD1-CE1	-7.85	107.35	120.70
1	32	26	ALA	CA-C-O	-7.85	109.14	120.13
1	32	80	PHE	CG-CD1-CE1	-7.85	107.35	120.70
1	4E	26	ALA	CA-C-O	-7.85	109.14	120.13
1	4E	80	PHE	CG-CD1-CE1	-7.85	107.35	120.70
1	4Y	26	ALA	CA-C-O	-7.85	109.14	120.13
1	4Y	80	PHE	CG-CD1-CE1	-7.85	107.35	120.70
2	43	41	PHE	CZ-CE2-CD2	-7.85	105.86	120.00
2	47	41	PHE	CZ-CE2-CD2	-7.85	105.86	120.00
2	5B	41	PHE	CZ-CE2-CD2	-7.85	105.86	120.00
1	5U	26	ALA	CA-C-O	-7.85	109.14	120.13
1	5U	80	PHE	CG-CD1-CE1	-7.85	107.35	120.70
2	53	41	PHE	CZ-CE2-CD2	-7.85	105.86	120.00
2	57	41	PHE	CZ-CE2-CD2	-7.85	105.86	120.00
2	6B	41	PHE	CZ-CE2-CD2	-7.85	105.86	120.00
1	6M	26	ALA	CA-C-O	-7.85	109.14	120.13
1	6M	80	PHE	CG-CD1-CE1	-7.85	107.35	120.70
1	6U	26	ALA	CA-C-O	-7.85	109.14	120.13
1	6U	80	PHE	CG-CD1-CE1	-7.85	107.35	120.70
1	7E	26	ALA	CA-C-O	-7.85	109.14	120.13
1	7E	80	PHE	CG-CD1-CE1	-7.85	107.35	120.70
1	7Q	26	ALA	CA-C-O	-7.85	109.14	120.13
1	7Q	80	PHE	CG-CD1-CE1	-7.85	107.35	120.70
1	1A	80	PHE	CG-CD1-CE1	-7.85	107.36	120.70
1	1I	80	PHE	CG-CD1-CE1	-7.85	107.36	120.70
2	1N	41	PHE	CZ-CE2-CD2	-7.85	105.87	120.00
1	2E	80	PHE	CG-CD1-CE1	-7.85	107.36	120.70
2	2J	41	PHE	CZ-CE2-CD2	-7.85	105.87	120.00
1	26	80	PHE	CG-CD1-CE1	-7.85	107.36	120.70
2	3B	41	PHE	CZ-CE2-CD2	-7.85	105.87	120.00
1	3E	80	PHE	CG-CD1-CE1	-7.85	107.36	120.70
2	3J	41	PHE	CZ-CE2-CD2	-7.85	105.87	120.00
2	33	41	PHE	CZ-CE2-CD2	-7.85	105.87	120.00
1	4A	80	PHE	CG-CD1-CE1	-7.85	107.36	120.70
2	4F	41	PHE	CZ-CE2-CD2	-7.85	105.87	120.00
1	4M	80	PHE	CG-CD1-CE1	-7.85	107.36	120.70
1	4U	80	PHE	CG-CD1-CE1	-7.85	107.36	120.70
2	4Z	41	PHE	CZ-CE2-CD2	-7.85	105.87	120.00
1	5Q	80	PHE	CG-CD1-CE1	-7.85	107.36	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	41	PHE	CZ-CE2-CD2	-7.85	105.87	120.00
1	6I	80	PHE	CG-CD1-CE1	-7.85	107.36	120.70
2	6N	41	PHE	CZ-CE2-CD2	-7.85	105.87	120.00
1	6Q	80	PHE	CG-CD1-CE1	-7.85	107.36	120.70
2	6V	41	PHE	CZ-CE2-CD2	-7.85	105.87	120.00
2	7F	41	PHE	CZ-CE2-CD2	-7.85	105.87	120.00
1	7M	80	PHE	CG-CD1-CE1	-7.85	107.36	120.70
2	7R	41	PHE	CZ-CE2-CD2	-7.85	105.87	120.00
2	1R	69	SER	N-CA-C	7.84	122.11	112.54
2	1V	69	SER	N-CA-C	7.84	122.11	112.54
2	1Z	69	SER	N-CA-C	7.84	122.11	112.54
2	2R	69	SER	N-CA-C	7.84	122.11	112.54
2	2V	69	SER	N-CA-C	7.84	122.11	112.54
2	2Z	69	SER	N-CA-C	7.84	122.11	112.54
2	43	69	SER	N-CA-C	7.84	122.11	112.54
2	47	69	SER	N-CA-C	7.84	122.11	112.54
2	5B	69	SER	N-CA-C	7.84	122.11	112.54
2	53	69	SER	N-CA-C	7.84	122.11	112.54
2	57	69	SER	N-CA-C	7.84	122.11	112.54
2	6B	69	SER	N-CA-C	7.84	122.11	112.54
2	13	33	PRO	N-CA-C	7.84	128.62	112.47
2	17	33	PRO	N-CA-C	7.84	128.62	112.47
2	2B	33	PRO	N-CA-C	7.84	128.62	112.47
2	3R	33	PRO	N-CA-C	7.84	128.62	112.47
2	3V	33	PRO	N-CA-C	7.84	128.62	112.47
2	3Z	33	PRO	N-CA-C	7.84	128.62	112.47
2	5F	33	PRO	N-CA-C	7.84	128.62	112.47
2	5J	33	PRO	N-CA-C	7.84	128.62	112.47
2	5N	33	PRO	N-CA-C	7.84	128.62	112.47
2	63	33	PRO	N-CA-C	7.84	128.62	112.47
2	67	33	PRO	N-CA-C	7.84	128.62	112.47
2	7B	33	PRO	N-CA-C	7.84	128.62	112.47
2	1F	33	PRO	N-CA-C	7.83	128.60	112.47
2	1N	33	PRO	N-CA-C	7.83	128.60	112.47
2	1R	33	PRO	N-CA-C	7.83	128.60	112.47
2	1V	33	PRO	N-CA-C	7.83	128.60	112.47
2	1Z	33	PRO	N-CA-C	7.83	128.60	112.47
2	2J	33	PRO	N-CA-C	7.83	128.60	112.47
2	2N	33	PRO	N-CA-C	7.83	128.60	112.47
2	2R	33	PRO	N-CA-C	7.83	128.60	112.47
2	2V	33	PRO	N-CA-C	7.83	128.60	112.47
2	2Z	33	PRO	N-CA-C	7.83	128.60	112.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	33	PRO	N-CA-C	7.83	128.60	112.47
2	3B	33	PRO	N-CA-C	7.83	128.60	112.47
2	3J	33	PRO	N-CA-C	7.83	128.60	112.47
2	3N	33	PRO	N-CA-C	7.83	128.60	112.47
2	33	33	PRO	N-CA-C	7.83	128.60	112.47
2	37	33	PRO	N-CA-C	7.83	128.60	112.47
2	4F	33	PRO	N-CA-C	7.83	128.60	112.47
2	4J	33	PRO	N-CA-C	7.83	128.60	112.47
2	4R	33	PRO	N-CA-C	7.83	128.60	112.47
2	4Z	33	PRO	N-CA-C	7.83	128.60	112.47
2	43	33	PRO	N-CA-C	7.83	128.60	112.47
2	47	33	PRO	N-CA-C	7.83	128.60	112.47
2	5B	33	PRO	N-CA-C	7.83	128.60	112.47
2	5V	33	PRO	N-CA-C	7.83	128.60	112.47
2	5Z	33	PRO	N-CA-C	7.83	128.60	112.47
2	53	33	PRO	N-CA-C	7.83	128.60	112.47
2	57	33	PRO	N-CA-C	7.83	128.60	112.47
2	6B	33	PRO	N-CA-C	7.83	128.60	112.47
2	6F	33	PRO	N-CA-C	7.83	128.60	112.47
2	6N	33	PRO	N-CA-C	7.83	128.60	112.47
2	6V	33	PRO	N-CA-C	7.83	128.60	112.47
2	6Z	33	PRO	N-CA-C	7.83	128.60	112.47
2	7F	33	PRO	N-CA-C	7.83	128.60	112.47
2	7J	33	PRO	N-CA-C	7.83	128.60	112.47
2	7R	33	PRO	N-CA-C	7.83	128.60	112.47
2	7V	33	PRO	N-CA-C	7.83	128.60	112.47
2	13	24	PRO	CA-C-N	7.83	136.50	121.54
2	13	24	PRO	C-N-CA	7.83	136.50	121.54
2	17	24	PRO	CA-C-N	7.83	136.50	121.54
2	17	24	PRO	C-N-CA	7.83	136.50	121.54
2	2B	24	PRO	CA-C-N	7.83	136.50	121.54
2	2B	24	PRO	C-N-CA	7.83	136.50	121.54
2	3R	24	PRO	CA-C-N	7.83	136.50	121.54
2	3R	24	PRO	C-N-CA	7.83	136.50	121.54
2	3V	24	PRO	CA-C-N	7.83	136.50	121.54
2	3V	24	PRO	C-N-CA	7.83	136.50	121.54
2	3Z	24	PRO	CA-C-N	7.83	136.50	121.54
2	3Z	24	PRO	C-N-CA	7.83	136.50	121.54
2	5F	24	PRO	CA-C-N	7.83	136.50	121.54
2	5F	24	PRO	C-N-CA	7.83	136.50	121.54
2	5J	24	PRO	CA-C-N	7.83	136.50	121.54
2	5J	24	PRO	C-N-CA	7.83	136.50	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5N	24	PRO	CA-C-N	7.83	136.50	121.54
2	5N	24	PRO	C-N-CA	7.83	136.50	121.54
2	63	24	PRO	CA-C-N	7.83	136.50	121.54
2	63	24	PRO	C-N-CA	7.83	136.50	121.54
2	67	24	PRO	CA-C-N	7.83	136.50	121.54
2	67	24	PRO	C-N-CA	7.83	136.50	121.54
2	7B	24	PRO	CA-C-N	7.83	136.50	121.54
2	7B	24	PRO	C-N-CA	7.83	136.50	121.54
2	1F	24	PRO	CA-C-N	7.83	136.49	121.54
2	1F	24	PRO	C-N-CA	7.83	136.49	121.54
2	2N	24	PRO	CA-C-N	7.83	136.49	121.54
2	2N	24	PRO	C-N-CA	7.83	136.49	121.54
2	23	24	PRO	CA-C-N	7.83	136.49	121.54
2	23	24	PRO	C-N-CA	7.83	136.49	121.54
2	3N	24	PRO	CA-C-N	7.83	136.49	121.54
2	3N	24	PRO	C-N-CA	7.83	136.49	121.54
2	37	24	PRO	CA-C-N	7.83	136.49	121.54
2	37	24	PRO	C-N-CA	7.83	136.49	121.54
2	4J	24	PRO	CA-C-N	7.83	136.49	121.54
2	4J	24	PRO	C-N-CA	7.83	136.49	121.54
2	4R	24	PRO	CA-C-N	7.83	136.49	121.54
2	4R	24	PRO	C-N-CA	7.83	136.49	121.54
2	5Z	24	PRO	CA-C-N	7.83	136.49	121.54
2	5Z	24	PRO	C-N-CA	7.83	136.49	121.54
2	6F	24	PRO	CA-C-N	7.83	136.49	121.54
2	6F	24	PRO	C-N-CA	7.83	136.49	121.54
2	6Z	24	PRO	CA-C-N	7.83	136.49	121.54
2	6Z	24	PRO	C-N-CA	7.83	136.49	121.54
2	7J	24	PRO	CA-C-N	7.83	136.49	121.54
2	7J	24	PRO	C-N-CA	7.83	136.49	121.54
2	7V	24	PRO	CA-C-N	7.83	136.49	121.54
2	7V	24	PRO	C-N-CA	7.83	136.49	121.54
1	1A	26	ALA	CA-C-O	-7.82	109.18	120.13
2	1B	33	PRO	N-CA-C	7.82	128.59	112.47
2	1F	15	VAL	O-C-N	-7.82	113.75	122.83
1	1I	26	ALA	CA-C-O	-7.82	109.18	120.13
2	1J	33	PRO	N-CA-C	7.82	128.59	112.47
2	1R	72	ARG	O-C-N	7.82	135.52	123.00
2	1V	72	ARG	O-C-N	7.82	135.52	123.00
2	1Z	72	ARG	O-C-N	7.82	135.52	123.00
1	2E	26	ALA	CA-C-O	-7.82	109.18	120.13
2	2F	33	PRO	N-CA-C	7.82	128.59	112.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	15	VAL	O-C-N	-7.82	113.75	122.83
2	2R	72	ARG	O-C-N	7.82	135.52	123.00
2	2V	72	ARG	O-C-N	7.82	135.52	123.00
2	2Z	72	ARG	O-C-N	7.82	135.52	123.00
2	23	15	VAL	O-C-N	-7.82	113.75	122.83
1	26	26	ALA	CA-C-O	-7.82	109.18	120.13
2	27	33	PRO	N-CA-C	7.82	128.59	112.47
1	3E	26	ALA	CA-C-O	-7.82	109.18	120.13
2	3F	33	PRO	N-CA-C	7.82	128.59	112.47
2	3N	15	VAL	O-C-N	-7.82	113.75	122.83
2	37	15	VAL	O-C-N	-7.82	113.75	122.83
1	4A	26	ALA	CA-C-O	-7.82	109.18	120.13
2	4B	33	PRO	N-CA-C	7.82	128.59	112.47
2	4J	15	VAL	O-C-N	-7.82	113.75	122.83
1	4M	26	ALA	CA-C-O	-7.82	109.18	120.13
2	4N	33	PRO	N-CA-C	7.82	128.59	112.47
2	4R	15	VAL	O-C-N	-7.82	113.75	122.83
1	4U	26	ALA	CA-C-O	-7.82	109.18	120.13
2	4V	33	PRO	N-CA-C	7.82	128.59	112.47
2	43	72	ARG	O-C-N	7.82	135.52	123.00
2	47	72	ARG	O-C-N	7.82	135.52	123.00
2	5B	72	ARG	O-C-N	7.82	135.52	123.00
1	5Q	26	ALA	CA-C-O	-7.82	109.18	120.13
2	5R	33	PRO	N-CA-C	7.82	128.59	112.47
2	5Z	15	VAL	O-C-N	-7.82	113.75	122.83
2	53	72	ARG	O-C-N	7.82	135.52	123.00
2	57	72	ARG	O-C-N	7.82	135.52	123.00
2	6B	72	ARG	O-C-N	7.82	135.52	123.00
2	6F	15	VAL	O-C-N	-7.82	113.75	122.83
1	6I	26	ALA	CA-C-O	-7.82	109.18	120.13
2	6J	33	PRO	N-CA-C	7.82	128.59	112.47
1	6Q	26	ALA	CA-C-O	-7.82	109.18	120.13
2	6R	33	PRO	N-CA-C	7.82	128.59	112.47
2	6Z	15	VAL	O-C-N	-7.82	113.75	122.83
2	7J	15	VAL	O-C-N	-7.82	113.75	122.83
1	7M	26	ALA	CA-C-O	-7.82	109.18	120.13
2	7N	33	PRO	N-CA-C	7.82	128.59	112.47
2	7V	15	VAL	O-C-N	-7.82	113.75	122.83
1	12	26	ALA	CA-C-O	-7.82	109.18	120.13
1	16	26	ALA	CA-C-O	-7.82	109.18	120.13
1	2A	26	ALA	CA-C-O	-7.82	109.18	120.13
1	3Q	26	ALA	CA-C-O	-7.82	109.18	120.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	26	ALA	CA-C-O	-7.82	109.18	120.13
1	3Y	26	ALA	CA-C-O	-7.82	109.18	120.13
1	5E	26	ALA	CA-C-O	-7.82	109.18	120.13
1	5I	26	ALA	CA-C-O	-7.82	109.18	120.13
1	5M	26	ALA	CA-C-O	-7.82	109.18	120.13
1	62	26	ALA	CA-C-O	-7.82	109.18	120.13
1	66	26	ALA	CA-C-O	-7.82	109.18	120.13
1	7A	26	ALA	CA-C-O	-7.82	109.18	120.13
2	1B	24	PRO	CA-C-N	7.82	136.47	121.54
2	1B	24	PRO	C-N-CA	7.82	136.47	121.54
2	1J	24	PRO	CA-C-N	7.82	136.47	121.54
2	1J	24	PRO	C-N-CA	7.82	136.47	121.54
1	12	8	LEU	CA-C-N	7.82	133.86	121.66
1	12	8	LEU	C-N-CA	7.82	133.86	121.66
2	13	69	SER	N-CA-C	7.82	122.08	112.54
1	16	8	LEU	CA-C-N	7.82	133.86	121.66
1	16	8	LEU	C-N-CA	7.82	133.86	121.66
2	17	69	SER	N-CA-C	7.82	122.08	112.54
1	2A	8	LEU	CA-C-N	7.82	133.86	121.66
1	2A	8	LEU	C-N-CA	7.82	133.86	121.66
2	2B	69	SER	N-CA-C	7.82	122.08	112.54
2	2F	24	PRO	CA-C-N	7.82	136.47	121.54
2	2F	24	PRO	C-N-CA	7.82	136.47	121.54
2	27	24	PRO	CA-C-N	7.82	136.47	121.54
2	27	24	PRO	C-N-CA	7.82	136.47	121.54
2	3F	24	PRO	CA-C-N	7.82	136.47	121.54
2	3F	24	PRO	C-N-CA	7.82	136.47	121.54
1	3Q	8	LEU	CA-C-N	7.82	133.86	121.66
1	3Q	8	LEU	C-N-CA	7.82	133.86	121.66
2	3R	69	SER	N-CA-C	7.82	122.08	112.54
1	3U	8	LEU	CA-C-N	7.82	133.86	121.66
1	3U	8	LEU	C-N-CA	7.82	133.86	121.66
2	3V	69	SER	N-CA-C	7.82	122.08	112.54
1	3Y	8	LEU	CA-C-N	7.82	133.86	121.66
1	3Y	8	LEU	C-N-CA	7.82	133.86	121.66
2	3Z	69	SER	N-CA-C	7.82	122.08	112.54
2	4B	24	PRO	CA-C-N	7.82	136.47	121.54
2	4B	24	PRO	C-N-CA	7.82	136.47	121.54
2	4N	24	PRO	CA-C-N	7.82	136.47	121.54
2	4N	24	PRO	C-N-CA	7.82	136.47	121.54
2	4V	24	PRO	CA-C-N	7.82	136.47	121.54
2	4V	24	PRO	C-N-CA	7.82	136.47	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5E	8	LEU	CA-C-N	7.82	133.86	121.66
1	5E	8	LEU	C-N-CA	7.82	133.86	121.66
2	5F	69	SER	N-CA-C	7.82	122.08	112.54
1	5I	8	LEU	CA-C-N	7.82	133.86	121.66
1	5I	8	LEU	C-N-CA	7.82	133.86	121.66
2	5J	69	SER	N-CA-C	7.82	122.08	112.54
1	5M	8	LEU	CA-C-N	7.82	133.86	121.66
1	5M	8	LEU	C-N-CA	7.82	133.86	121.66
2	5N	69	SER	N-CA-C	7.82	122.08	112.54
2	5R	24	PRO	CA-C-N	7.82	136.47	121.54
2	5R	24	PRO	C-N-CA	7.82	136.47	121.54
2	6J	24	PRO	CA-C-N	7.82	136.47	121.54
2	6J	24	PRO	C-N-CA	7.82	136.47	121.54
2	6R	24	PRO	CA-C-N	7.82	136.47	121.54
2	6R	24	PRO	C-N-CA	7.82	136.47	121.54
1	62	8	LEU	CA-C-N	7.82	133.86	121.66
1	62	8	LEU	C-N-CA	7.82	133.86	121.66
2	63	69	SER	N-CA-C	7.82	122.08	112.54
1	66	8	LEU	CA-C-N	7.82	133.86	121.66
1	66	8	LEU	C-N-CA	7.82	133.86	121.66
2	67	69	SER	N-CA-C	7.82	122.08	112.54
1	7A	8	LEU	CA-C-N	7.82	133.86	121.66
1	7A	8	LEU	C-N-CA	7.82	133.86	121.66
2	7B	69	SER	N-CA-C	7.82	122.08	112.54
2	7N	24	PRO	CA-C-N	7.82	136.47	121.54
2	7N	24	PRO	C-N-CA	7.82	136.47	121.54
1	1E	8	LEU	CA-C-N	7.82	133.85	121.66
1	1E	8	LEU	C-N-CA	7.82	133.85	121.66
2	1F	72	ARG	O-C-N	7.82	135.50	123.00
1	2M	8	LEU	CA-C-N	7.82	133.85	121.66
1	2M	8	LEU	C-N-CA	7.82	133.85	121.66
2	2N	72	ARG	O-C-N	7.82	135.50	123.00
1	22	8	LEU	CA-C-N	7.82	133.85	121.66
1	22	8	LEU	C-N-CA	7.82	133.85	121.66
2	23	72	ARG	O-C-N	7.82	135.50	123.00
1	3M	8	LEU	CA-C-N	7.82	133.85	121.66
1	3M	8	LEU	C-N-CA	7.82	133.85	121.66
2	3N	72	ARG	O-C-N	7.82	135.50	123.00
1	36	8	LEU	CA-C-N	7.82	133.85	121.66
1	36	8	LEU	C-N-CA	7.82	133.85	121.66
2	37	72	ARG	O-C-N	7.82	135.50	123.00
1	4I	8	LEU	CA-C-N	7.82	133.85	121.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4I	8	LEU	C-N-CA	7.82	133.85	121.66
2	4J	72	ARG	O-C-N	7.82	135.50	123.00
1	4Q	8	LEU	CA-C-N	7.82	133.85	121.66
1	4Q	8	LEU	C-N-CA	7.82	133.85	121.66
2	4R	72	ARG	O-C-N	7.82	135.50	123.00
1	5Y	8	LEU	CA-C-N	7.82	133.85	121.66
1	5Y	8	LEU	C-N-CA	7.82	133.85	121.66
2	5Z	72	ARG	O-C-N	7.82	135.50	123.00
1	6E	8	LEU	CA-C-N	7.82	133.85	121.66
1	6E	8	LEU	C-N-CA	7.82	133.85	121.66
2	6F	72	ARG	O-C-N	7.82	135.50	123.00
1	6Y	8	LEU	CA-C-N	7.82	133.85	121.66
1	6Y	8	LEU	C-N-CA	7.82	133.85	121.66
2	6Z	72	ARG	O-C-N	7.82	135.50	123.00
1	7I	8	LEU	CA-C-N	7.82	133.85	121.66
1	7I	8	LEU	C-N-CA	7.82	133.85	121.66
2	7J	72	ARG	O-C-N	7.82	135.50	123.00
1	7U	8	LEU	CA-C-N	7.82	133.85	121.66
1	7U	8	LEU	C-N-CA	7.82	133.85	121.66
2	7V	72	ARG	O-C-N	7.82	135.50	123.00
1	1M	8	LEU	CA-C-N	7.81	133.85	121.66
1	1M	8	LEU	C-N-CA	7.81	133.85	121.66
1	2I	8	LEU	CA-C-N	7.81	133.85	121.66
1	2I	8	LEU	C-N-CA	7.81	133.85	121.66
1	3A	8	LEU	CA-C-N	7.81	133.85	121.66
1	3A	8	LEU	C-N-CA	7.81	133.85	121.66
1	3I	8	LEU	CA-C-N	7.81	133.85	121.66
1	3I	8	LEU	C-N-CA	7.81	133.85	121.66
1	32	8	LEU	CA-C-N	7.81	133.85	121.66
1	32	8	LEU	C-N-CA	7.81	133.85	121.66
1	4E	8	LEU	CA-C-N	7.81	133.85	121.66
1	4E	8	LEU	C-N-CA	7.81	133.85	121.66
1	4Y	8	LEU	CA-C-N	7.81	133.85	121.66
1	4Y	8	LEU	C-N-CA	7.81	133.85	121.66
1	5U	8	LEU	CA-C-N	7.81	133.85	121.66
1	5U	8	LEU	C-N-CA	7.81	133.85	121.66
1	6M	8	LEU	CA-C-N	7.81	133.85	121.66
1	6M	8	LEU	C-N-CA	7.81	133.85	121.66
1	6U	8	LEU	CA-C-N	7.81	133.85	121.66
1	6U	8	LEU	C-N-CA	7.81	133.85	121.66
1	7E	8	LEU	CA-C-N	7.81	133.85	121.66
1	7E	8	LEU	C-N-CA	7.81	133.85	121.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	8	LEU	CA-C-N	7.81	133.85	121.66
1	7Q	8	LEU	C-N-CA	7.81	133.85	121.66
1	1A	8	LEU	CA-C-N	7.81	133.84	121.66
1	1A	8	LEU	C-N-CA	7.81	133.84	121.66
1	1I	8	LEU	CA-C-N	7.81	133.84	121.66
1	1I	8	LEU	C-N-CA	7.81	133.84	121.66
1	1Q	26	ALA	CA-C-O	-7.81	109.20	120.13
1	1U	26	ALA	CA-C-O	-7.81	109.20	120.13
1	1Y	26	ALA	CA-C-O	-7.81	109.20	120.13
1	2E	8	LEU	CA-C-N	7.81	133.84	121.66
1	2E	8	LEU	C-N-CA	7.81	133.84	121.66
1	2Q	26	ALA	CA-C-O	-7.81	109.20	120.13
1	2U	26	ALA	CA-C-O	-7.81	109.20	120.13
1	2Y	26	ALA	CA-C-O	-7.81	109.20	120.13
1	26	8	LEU	CA-C-N	7.81	133.84	121.66
1	26	8	LEU	C-N-CA	7.81	133.84	121.66
1	3E	8	LEU	CA-C-N	7.81	133.84	121.66
1	3E	8	LEU	C-N-CA	7.81	133.84	121.66
1	4A	8	LEU	CA-C-N	7.81	133.84	121.66
1	4A	8	LEU	C-N-CA	7.81	133.84	121.66
1	4M	8	LEU	CA-C-N	7.81	133.84	121.66
1	4M	8	LEU	C-N-CA	7.81	133.84	121.66
1	4U	8	LEU	CA-C-N	7.81	133.84	121.66
1	4U	8	LEU	C-N-CA	7.81	133.84	121.66
1	42	26	ALA	CA-C-O	-7.81	109.20	120.13
1	46	26	ALA	CA-C-O	-7.81	109.20	120.13
1	5A	26	ALA	CA-C-O	-7.81	109.20	120.13
1	5Q	8	LEU	CA-C-N	7.81	133.84	121.66
1	5Q	8	LEU	C-N-CA	7.81	133.84	121.66
1	52	26	ALA	CA-C-O	-7.81	109.20	120.13
1	56	26	ALA	CA-C-O	-7.81	109.20	120.13
1	6A	26	ALA	CA-C-O	-7.81	109.20	120.13
1	6I	8	LEU	CA-C-N	7.81	133.84	121.66
1	6I	8	LEU	C-N-CA	7.81	133.84	121.66
1	6Q	8	LEU	CA-C-N	7.81	133.84	121.66
1	6Q	8	LEU	C-N-CA	7.81	133.84	121.66
1	7M	8	LEU	CA-C-N	7.81	133.84	121.66
1	7M	8	LEU	C-N-CA	7.81	133.84	121.66
2	1R	24	PRO	CA-C-N	7.81	136.45	121.54
2	1R	24	PRO	C-N-CA	7.81	136.45	121.54
2	1V	24	PRO	CA-C-N	7.81	136.45	121.54
2	1V	24	PRO	C-N-CA	7.81	136.45	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1Z	24	PRO	CA-C-N	7.81	136.45	121.54
2	1Z	24	PRO	C-N-CA	7.81	136.45	121.54
2	2R	24	PRO	CA-C-N	7.81	136.45	121.54
2	2R	24	PRO	C-N-CA	7.81	136.45	121.54
2	2V	24	PRO	CA-C-N	7.81	136.45	121.54
2	2V	24	PRO	C-N-CA	7.81	136.45	121.54
2	2Z	24	PRO	CA-C-N	7.81	136.45	121.54
2	2Z	24	PRO	C-N-CA	7.81	136.45	121.54
2	43	24	PRO	CA-C-N	7.81	136.45	121.54
2	43	24	PRO	C-N-CA	7.81	136.45	121.54
2	47	24	PRO	CA-C-N	7.81	136.45	121.54
2	47	24	PRO	C-N-CA	7.81	136.45	121.54
2	5B	24	PRO	CA-C-N	7.81	136.45	121.54
2	5B	24	PRO	C-N-CA	7.81	136.45	121.54
2	53	24	PRO	CA-C-N	7.81	136.45	121.54
2	53	24	PRO	C-N-CA	7.81	136.45	121.54
2	57	24	PRO	CA-C-N	7.81	136.45	121.54
2	57	24	PRO	C-N-CA	7.81	136.45	121.54
2	6B	24	PRO	CA-C-N	7.81	136.45	121.54
2	6B	24	PRO	C-N-CA	7.81	136.45	121.54
2	1B	34	ASP	O-C-N	7.80	133.02	122.57
2	1B	69	SER	N-CA-C	7.80	122.06	112.54
2	1J	34	ASP	O-C-N	7.80	133.02	122.57
2	1J	69	SER	N-CA-C	7.80	122.06	112.54
2	2F	34	ASP	O-C-N	7.80	133.02	122.57
2	2F	69	SER	N-CA-C	7.80	122.06	112.54
2	27	34	ASP	O-C-N	7.80	133.02	122.57
2	27	69	SER	N-CA-C	7.80	122.06	112.54
2	3F	34	ASP	O-C-N	7.80	133.02	122.57
2	3F	69	SER	N-CA-C	7.80	122.06	112.54
2	4B	34	ASP	O-C-N	7.80	133.02	122.57
2	4B	69	SER	N-CA-C	7.80	122.06	112.54
2	4N	34	ASP	O-C-N	7.80	133.02	122.57
2	4N	69	SER	N-CA-C	7.80	122.06	112.54
2	4V	34	ASP	O-C-N	7.80	133.02	122.57
2	4V	69	SER	N-CA-C	7.80	122.06	112.54
2	5R	34	ASP	O-C-N	7.80	133.02	122.57
2	5R	69	SER	N-CA-C	7.80	122.06	112.54
2	6J	34	ASP	O-C-N	7.80	133.02	122.57
2	6J	69	SER	N-CA-C	7.80	122.06	112.54
2	6R	34	ASP	O-C-N	7.80	133.02	122.57
2	6R	69	SER	N-CA-C	7.80	122.06	112.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	34	ASP	O-C-N	7.80	133.02	122.57
2	7N	69	SER	N-CA-C	7.80	122.06	112.54
1	1E	17	THR	N-CA-C	-7.80	92.57	109.81
1	12	150	TYR	CE1-CZ-CE2	-7.80	104.70	120.30
1	16	150	TYR	CE1-CZ-CE2	-7.80	104.70	120.30
1	2A	150	TYR	CE1-CZ-CE2	-7.80	104.70	120.30
1	2M	17	THR	N-CA-C	-7.80	92.57	109.81
1	22	17	THR	N-CA-C	-7.80	92.57	109.81
1	3M	17	THR	N-CA-C	-7.80	92.57	109.81
1	3Q	150	TYR	CE1-CZ-CE2	-7.80	104.70	120.30
1	3U	150	TYR	CE1-CZ-CE2	-7.80	104.70	120.30
1	3Y	150	TYR	CE1-CZ-CE2	-7.80	104.70	120.30
1	36	17	THR	N-CA-C	-7.80	92.57	109.81
1	4I	17	THR	N-CA-C	-7.80	92.57	109.81
1	4Q	17	THR	N-CA-C	-7.80	92.57	109.81
1	5E	150	TYR	CE1-CZ-CE2	-7.80	104.70	120.30
1	5I	150	TYR	CE1-CZ-CE2	-7.80	104.70	120.30
1	5M	150	TYR	CE1-CZ-CE2	-7.80	104.70	120.30
1	5Y	17	THR	N-CA-C	-7.80	92.57	109.81
1	6E	17	THR	N-CA-C	-7.80	92.57	109.81
1	6Y	17	THR	N-CA-C	-7.80	92.57	109.81
1	62	150	TYR	CE1-CZ-CE2	-7.80	104.70	120.30
1	66	150	TYR	CE1-CZ-CE2	-7.80	104.70	120.30
1	7A	150	TYR	CE1-CZ-CE2	-7.80	104.70	120.30
1	7I	17	THR	N-CA-C	-7.80	92.57	109.81
1	7U	17	THR	N-CA-C	-7.80	92.57	109.81
2	1N	24	PRO	CA-C-N	7.80	136.44	121.54
2	1N	24	PRO	C-N-CA	7.80	136.44	121.54
2	2J	24	PRO	CA-C-N	7.80	136.44	121.54
2	2J	24	PRO	C-N-CA	7.80	136.44	121.54
2	3B	24	PRO	CA-C-N	7.80	136.44	121.54
2	3B	24	PRO	C-N-CA	7.80	136.44	121.54
2	3J	24	PRO	CA-C-N	7.80	136.44	121.54
2	3J	24	PRO	C-N-CA	7.80	136.44	121.54
2	33	24	PRO	CA-C-N	7.80	136.44	121.54
2	33	24	PRO	C-N-CA	7.80	136.44	121.54
2	4F	24	PRO	CA-C-N	7.80	136.44	121.54
2	4F	24	PRO	C-N-CA	7.80	136.44	121.54
2	4Z	24	PRO	CA-C-N	7.80	136.44	121.54
2	4Z	24	PRO	C-N-CA	7.80	136.44	121.54
2	5V	24	PRO	CA-C-N	7.80	136.44	121.54
2	5V	24	PRO	C-N-CA	7.80	136.44	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6N	24	PRO	CA-C-N	7.80	136.44	121.54
2	6N	24	PRO	C-N-CA	7.80	136.44	121.54
2	6V	24	PRO	CA-C-N	7.80	136.44	121.54
2	6V	24	PRO	C-N-CA	7.80	136.44	121.54
2	7F	24	PRO	CA-C-N	7.80	136.44	121.54
2	7F	24	PRO	C-N-CA	7.80	136.44	121.54
2	7R	24	PRO	CA-C-N	7.80	136.44	121.54
2	7R	24	PRO	C-N-CA	7.80	136.44	121.54
1	1Q	8	LEU	CA-C-N	7.80	133.82	121.66
1	1Q	8	LEU	C-N-CA	7.80	133.82	121.66
1	1U	8	LEU	CA-C-N	7.80	133.82	121.66
1	1U	8	LEU	C-N-CA	7.80	133.82	121.66
1	1Y	8	LEU	CA-C-N	7.80	133.82	121.66
1	1Y	8	LEU	C-N-CA	7.80	133.82	121.66
1	2Q	8	LEU	CA-C-N	7.80	133.82	121.66
1	2Q	8	LEU	C-N-CA	7.80	133.82	121.66
1	2U	8	LEU	CA-C-N	7.80	133.82	121.66
1	2U	8	LEU	C-N-CA	7.80	133.82	121.66
1	2Y	8	LEU	CA-C-N	7.80	133.82	121.66
1	2Y	8	LEU	C-N-CA	7.80	133.82	121.66
1	42	8	LEU	CA-C-N	7.80	133.82	121.66
1	42	8	LEU	C-N-CA	7.80	133.82	121.66
1	46	8	LEU	CA-C-N	7.80	133.82	121.66
1	46	8	LEU	C-N-CA	7.80	133.82	121.66
1	5A	8	LEU	CA-C-N	7.80	133.82	121.66
1	5A	8	LEU	C-N-CA	7.80	133.82	121.66
1	52	8	LEU	CA-C-N	7.80	133.82	121.66
1	52	8	LEU	C-N-CA	7.80	133.82	121.66
1	56	8	LEU	CA-C-N	7.80	133.82	121.66
1	56	8	LEU	C-N-CA	7.80	133.82	121.66
1	6A	8	LEU	CA-C-N	7.80	133.82	121.66
1	6A	8	LEU	C-N-CA	7.80	133.82	121.66
1	1E	26	ALA	CA-C-O	-7.79	109.22	120.13
2	13	15	VAL	O-C-N	-7.79	113.79	122.83
2	17	15	VAL	O-C-N	-7.79	113.79	122.83
2	2B	15	VAL	O-C-N	-7.79	113.79	122.83
1	2M	26	ALA	CA-C-O	-7.79	109.22	120.13
1	22	26	ALA	CA-C-O	-7.79	109.22	120.13
1	3M	26	ALA	CA-C-O	-7.79	109.22	120.13
2	3R	15	VAL	O-C-N	-7.79	113.79	122.83
2	3V	15	VAL	O-C-N	-7.79	113.79	122.83
2	3Z	15	VAL	O-C-N	-7.79	113.79	122.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	26	ALA	CA-C-O	-7.79	109.22	120.13
1	4I	26	ALA	CA-C-O	-7.79	109.22	120.13
1	4Q	26	ALA	CA-C-O	-7.79	109.22	120.13
2	5F	15	VAL	O-C-N	-7.79	113.79	122.83
2	5J	15	VAL	O-C-N	-7.79	113.79	122.83
2	5N	15	VAL	O-C-N	-7.79	113.79	122.83
1	5Y	26	ALA	CA-C-O	-7.79	109.22	120.13
1	6E	26	ALA	CA-C-O	-7.79	109.22	120.13
1	6Y	26	ALA	CA-C-O	-7.79	109.22	120.13
2	63	15	VAL	O-C-N	-7.79	113.79	122.83
2	67	15	VAL	O-C-N	-7.79	113.79	122.83
2	7B	15	VAL	O-C-N	-7.79	113.79	122.83
1	7I	26	ALA	CA-C-O	-7.79	109.22	120.13
1	7U	26	ALA	CA-C-O	-7.79	109.22	120.13
1	1M	17	THR	N-CA-C	-7.79	92.59	109.81
2	1N	69	SER	N-CA-C	7.79	122.05	112.54
2	1N	133	VAL	N-CA-C	7.79	125.55	109.34
2	13	34	ASP	O-C-N	7.79	133.01	122.57
2	17	34	ASP	O-C-N	7.79	133.01	122.57
2	2B	34	ASP	O-C-N	7.79	133.01	122.57
1	2I	17	THR	N-CA-C	-7.79	92.59	109.81
2	2J	69	SER	N-CA-C	7.79	122.05	112.54
2	2J	133	VAL	N-CA-C	7.79	125.55	109.34
1	3A	17	THR	N-CA-C	-7.79	92.59	109.81
2	3B	69	SER	N-CA-C	7.79	122.05	112.54
2	3B	133	VAL	N-CA-C	7.79	125.55	109.34
1	3I	17	THR	N-CA-C	-7.79	92.59	109.81
2	3J	69	SER	N-CA-C	7.79	122.05	112.54
2	3J	133	VAL	N-CA-C	7.79	125.55	109.34
2	3R	34	ASP	O-C-N	7.79	133.01	122.57
2	3V	34	ASP	O-C-N	7.79	133.01	122.57
2	3Z	34	ASP	O-C-N	7.79	133.01	122.57
1	32	17	THR	N-CA-C	-7.79	92.59	109.81
2	33	69	SER	N-CA-C	7.79	122.05	112.54
2	33	133	VAL	N-CA-C	7.79	125.55	109.34
1	4E	17	THR	N-CA-C	-7.79	92.59	109.81
2	4F	69	SER	N-CA-C	7.79	122.05	112.54
2	4F	133	VAL	N-CA-C	7.79	125.55	109.34
1	4Y	17	THR	N-CA-C	-7.79	92.59	109.81
2	4Z	69	SER	N-CA-C	7.79	122.05	112.54
2	4Z	133	VAL	N-CA-C	7.79	125.55	109.34
2	5F	34	ASP	O-C-N	7.79	133.01	122.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5J	34	ASP	O-C-N	7.79	133.01	122.57
2	5N	34	ASP	O-C-N	7.79	133.01	122.57
1	5U	17	THR	N-CA-C	-7.79	92.59	109.81
2	5V	69	SER	N-CA-C	7.79	122.05	112.54
2	5V	133	VAL	N-CA-C	7.79	125.55	109.34
1	6M	17	THR	N-CA-C	-7.79	92.59	109.81
2	6N	69	SER	N-CA-C	7.79	122.05	112.54
2	6N	133	VAL	N-CA-C	7.79	125.55	109.34
1	6U	17	THR	N-CA-C	-7.79	92.59	109.81
2	6V	69	SER	N-CA-C	7.79	122.05	112.54
2	6V	133	VAL	N-CA-C	7.79	125.55	109.34
2	63	34	ASP	O-C-N	7.79	133.01	122.57
2	67	34	ASP	O-C-N	7.79	133.01	122.57
2	7B	34	ASP	O-C-N	7.79	133.01	122.57
1	7E	17	THR	N-CA-C	-7.79	92.59	109.81
2	7F	69	SER	N-CA-C	7.79	122.05	112.54
2	7F	133	VAL	N-CA-C	7.79	125.55	109.34
1	7Q	17	THR	N-CA-C	-7.79	92.59	109.81
2	7R	69	SER	N-CA-C	7.79	122.05	112.54
2	7R	133	VAL	N-CA-C	7.79	125.55	109.34
2	1B	15	VAL	O-C-N	-7.79	113.79	122.83
2	1B	72	ARG	CD-NE-CZ	-7.79	113.49	124.40
2	1J	15	VAL	O-C-N	-7.79	113.79	122.83
2	1J	72	ARG	CD-NE-CZ	-7.79	113.49	124.40
2	2F	15	VAL	O-C-N	-7.79	113.79	122.83
2	2F	72	ARG	CD-NE-CZ	-7.79	113.49	124.40
2	27	15	VAL	O-C-N	-7.79	113.79	122.83
2	27	72	ARG	CD-NE-CZ	-7.79	113.49	124.40
2	3F	15	VAL	O-C-N	-7.79	113.79	122.83
2	3F	72	ARG	CD-NE-CZ	-7.79	113.49	124.40
2	4B	15	VAL	O-C-N	-7.79	113.79	122.83
2	4B	72	ARG	CD-NE-CZ	-7.79	113.49	124.40
2	4N	15	VAL	O-C-N	-7.79	113.79	122.83
2	4N	72	ARG	CD-NE-CZ	-7.79	113.49	124.40
2	4V	15	VAL	O-C-N	-7.79	113.79	122.83
2	4V	72	ARG	CD-NE-CZ	-7.79	113.49	124.40
2	5R	15	VAL	O-C-N	-7.79	113.79	122.83
2	5R	72	ARG	CD-NE-CZ	-7.79	113.49	124.40
2	6J	15	VAL	O-C-N	-7.79	113.79	122.83
2	6J	72	ARG	CD-NE-CZ	-7.79	113.49	124.40
2	6R	15	VAL	O-C-N	-7.79	113.79	122.83
2	6R	72	ARG	CD-NE-CZ	-7.79	113.49	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	15	VAL	O-C-N	-7.79	113.79	122.83
2	7N	72	ARG	CD-NE-CZ	-7.79	113.49	124.40
2	1F	34	ASP	O-C-N	7.79	133.00	122.57
2	2N	34	ASP	O-C-N	7.79	133.00	122.57
2	23	34	ASP	O-C-N	7.79	133.00	122.57
2	3N	34	ASP	O-C-N	7.79	133.00	122.57
2	37	34	ASP	O-C-N	7.79	133.00	122.57
2	4J	34	ASP	O-C-N	7.79	133.00	122.57
2	4R	34	ASP	O-C-N	7.79	133.00	122.57
2	5Z	34	ASP	O-C-N	7.79	133.00	122.57
2	6F	34	ASP	O-C-N	7.79	133.00	122.57
2	6Z	34	ASP	O-C-N	7.79	133.00	122.57
2	7J	34	ASP	O-C-N	7.79	133.00	122.57
2	7V	34	ASP	O-C-N	7.79	133.00	122.57
1	1A	17	THR	N-CA-C	-7.79	92.60	109.81
1	1E	150	TYR	CE1-CZ-CE2	-7.79	104.73	120.30
1	1I	17	THR	N-CA-C	-7.79	92.60	109.81
1	2E	17	THR	N-CA-C	-7.79	92.60	109.81
1	2M	150	TYR	CE1-CZ-CE2	-7.79	104.73	120.30
1	22	150	TYR	CE1-CZ-CE2	-7.79	104.73	120.30
1	26	17	THR	N-CA-C	-7.79	92.60	109.81
1	3E	17	THR	N-CA-C	-7.79	92.60	109.81
1	3M	150	TYR	CE1-CZ-CE2	-7.79	104.73	120.30
1	36	150	TYR	CE1-CZ-CE2	-7.79	104.73	120.30
1	4A	17	THR	N-CA-C	-7.79	92.60	109.81
1	4I	150	TYR	CE1-CZ-CE2	-7.79	104.73	120.30
1	4M	17	THR	N-CA-C	-7.79	92.60	109.81
1	4Q	150	TYR	CE1-CZ-CE2	-7.79	104.73	120.30
1	4U	17	THR	N-CA-C	-7.79	92.60	109.81
1	5Q	17	THR	N-CA-C	-7.79	92.60	109.81
1	5Y	150	TYR	CE1-CZ-CE2	-7.79	104.73	120.30
1	6E	150	TYR	CE1-CZ-CE2	-7.79	104.73	120.30
1	6I	17	THR	N-CA-C	-7.79	92.60	109.81
1	6Q	17	THR	N-CA-C	-7.79	92.60	109.81
1	6Y	150	TYR	CE1-CZ-CE2	-7.79	104.73	120.30
1	7I	150	TYR	CE1-CZ-CE2	-7.79	104.73	120.30
1	7M	17	THR	N-CA-C	-7.79	92.60	109.81
1	7U	150	TYR	CE1-CZ-CE2	-7.79	104.73	120.30
2	1R	34	ASP	O-C-N	7.78	133.00	122.57
2	1V	34	ASP	O-C-N	7.78	133.00	122.57
2	1Z	34	ASP	O-C-N	7.78	133.00	122.57
2	2R	34	ASP	O-C-N	7.78	133.00	122.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	34	ASP	O-C-N	7.78	133.00	122.57
2	2Z	34	ASP	O-C-N	7.78	133.00	122.57
2	43	34	ASP	O-C-N	7.78	133.00	122.57
2	47	34	ASP	O-C-N	7.78	133.00	122.57
2	5B	34	ASP	O-C-N	7.78	133.00	122.57
2	53	34	ASP	O-C-N	7.78	133.00	122.57
2	57	34	ASP	O-C-N	7.78	133.00	122.57
2	6B	34	ASP	O-C-N	7.78	133.00	122.57
1	1A	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	1F	69	SER	N-CA-C	7.78	122.03	112.54
1	1I	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
1	1Q	17	THR	N-CA-C	-7.78	92.61	109.81
1	1U	17	THR	N-CA-C	-7.78	92.61	109.81
1	1Y	17	THR	N-CA-C	-7.78	92.61	109.81
1	2E	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	2N	69	SER	N-CA-C	7.78	122.03	112.54
1	2Q	17	THR	N-CA-C	-7.78	92.61	109.81
1	2U	17	THR	N-CA-C	-7.78	92.61	109.81
1	2Y	17	THR	N-CA-C	-7.78	92.61	109.81
2	23	69	SER	N-CA-C	7.78	122.03	112.54
1	26	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
1	3E	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	3N	69	SER	N-CA-C	7.78	122.03	112.54
2	37	69	SER	N-CA-C	7.78	122.03	112.54
1	4A	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	4J	69	SER	N-CA-C	7.78	122.03	112.54
1	4M	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	4R	69	SER	N-CA-C	7.78	122.03	112.54
1	4U	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
1	42	17	THR	N-CA-C	-7.78	92.61	109.81
1	46	17	THR	N-CA-C	-7.78	92.61	109.81
1	5A	17	THR	N-CA-C	-7.78	92.61	109.81
1	5Q	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	5Z	69	SER	N-CA-C	7.78	122.03	112.54
1	52	17	THR	N-CA-C	-7.78	92.61	109.81
1	56	17	THR	N-CA-C	-7.78	92.61	109.81
1	6A	17	THR	N-CA-C	-7.78	92.61	109.81
2	6F	69	SER	N-CA-C	7.78	122.03	112.54
1	6I	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
1	6Q	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	6Z	69	SER	N-CA-C	7.78	122.03	112.54
2	7J	69	SER	N-CA-C	7.78	122.03	112.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	7V	69	SER	N-CA-C	7.78	122.03	112.54
2	1B	72	ARG	O-C-N	7.78	135.45	123.00
2	1F	71	ALA	CA-C-N	-7.78	107.69	121.70
2	1F	71	ALA	C-N-CA	-7.78	107.69	121.70
2	1J	72	ARG	O-C-N	7.78	135.45	123.00
2	1R	15	VAL	O-C-N	-7.78	113.81	122.83
2	1V	15	VAL	O-C-N	-7.78	113.81	122.83
2	1Z	15	VAL	O-C-N	-7.78	113.81	122.83
2	2F	72	ARG	O-C-N	7.78	135.45	123.00
2	2N	71	ALA	CA-C-N	-7.78	107.69	121.70
2	2N	71	ALA	C-N-CA	-7.78	107.69	121.70
2	2R	15	VAL	O-C-N	-7.78	113.81	122.83
2	2V	15	VAL	O-C-N	-7.78	113.81	122.83
2	2Z	15	VAL	O-C-N	-7.78	113.81	122.83
2	23	71	ALA	CA-C-N	-7.78	107.69	121.70
2	23	71	ALA	C-N-CA	-7.78	107.69	121.70
2	27	72	ARG	O-C-N	7.78	135.45	123.00
2	3F	72	ARG	O-C-N	7.78	135.45	123.00
2	3N	71	ALA	CA-C-N	-7.78	107.69	121.70
2	3N	71	ALA	C-N-CA	-7.78	107.69	121.70
2	37	71	ALA	CA-C-N	-7.78	107.69	121.70
2	37	71	ALA	C-N-CA	-7.78	107.69	121.70
2	4B	72	ARG	O-C-N	7.78	135.45	123.00
2	4J	71	ALA	CA-C-N	-7.78	107.69	121.70
2	4J	71	ALA	C-N-CA	-7.78	107.69	121.70
2	4N	72	ARG	O-C-N	7.78	135.45	123.00
2	4R	71	ALA	CA-C-N	-7.78	107.69	121.70
2	4R	71	ALA	C-N-CA	-7.78	107.69	121.70
2	4V	72	ARG	O-C-N	7.78	135.45	123.00
2	43	15	VAL	O-C-N	-7.78	113.81	122.83
2	47	15	VAL	O-C-N	-7.78	113.81	122.83
2	5B	15	VAL	O-C-N	-7.78	113.81	122.83
2	5R	72	ARG	O-C-N	7.78	135.45	123.00
2	5Z	71	ALA	CA-C-N	-7.78	107.69	121.70
2	5Z	71	ALA	C-N-CA	-7.78	107.69	121.70
2	53	15	VAL	O-C-N	-7.78	113.81	122.83
2	57	15	VAL	O-C-N	-7.78	113.81	122.83
2	6B	15	VAL	O-C-N	-7.78	113.81	122.83
2	6F	71	ALA	CA-C-N	-7.78	107.69	121.70
2	6F	71	ALA	C-N-CA	-7.78	107.69	121.70
2	6J	72	ARG	O-C-N	7.78	135.45	123.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	72	ARG	O-C-N	7.78	135.45	123.00
2	6Z	71	ALA	CA-C-N	-7.78	107.69	121.70
2	6Z	71	ALA	C-N-CA	-7.78	107.69	121.70
2	7J	71	ALA	CA-C-N	-7.78	107.69	121.70
2	7J	71	ALA	C-N-CA	-7.78	107.69	121.70
2	7N	72	ARG	O-C-N	7.78	135.45	123.00
2	7V	71	ALA	CA-C-N	-7.78	107.69	121.70
2	7V	71	ALA	C-N-CA	-7.78	107.69	121.70
2	1B	133	VAL	N-CA-C	7.78	125.52	109.34
2	1J	133	VAL	N-CA-C	7.78	125.52	109.34
1	1M	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	2F	133	VAL	N-CA-C	7.78	125.52	109.34
1	2I	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	27	133	VAL	N-CA-C	7.78	125.52	109.34
1	3A	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	3F	133	VAL	N-CA-C	7.78	125.52	109.34
1	3I	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
1	32	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	4B	133	VAL	N-CA-C	7.78	125.52	109.34
1	4E	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	4N	133	VAL	N-CA-C	7.78	125.52	109.34
2	4V	133	VAL	N-CA-C	7.78	125.52	109.34
1	4Y	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	5R	133	VAL	N-CA-C	7.78	125.52	109.34
1	5U	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	6J	133	VAL	N-CA-C	7.78	125.52	109.34
1	6M	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	6R	133	VAL	N-CA-C	7.78	125.52	109.34
1	6U	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
1	7E	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	7N	133	VAL	N-CA-C	7.78	125.52	109.34
1	7Q	150	TYR	CE1-CZ-CE2	-7.78	104.74	120.30
2	1F	133	VAL	N-CA-C	7.78	125.52	109.34
2	2N	133	VAL	N-CA-C	7.78	125.52	109.34
2	23	133	VAL	N-CA-C	7.78	125.52	109.34
2	3N	133	VAL	N-CA-C	7.78	125.52	109.34
2	37	133	VAL	N-CA-C	7.78	125.52	109.34
2	4J	133	VAL	N-CA-C	7.78	125.52	109.34
2	4R	133	VAL	N-CA-C	7.78	125.52	109.34
2	5Z	133	VAL	N-CA-C	7.78	125.52	109.34
2	6F	133	VAL	N-CA-C	7.78	125.52	109.34
2	6Z	133	VAL	N-CA-C	7.78	125.52	109.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	133	VAL	N-CA-C	7.78	125.52	109.34
2	7V	133	VAL	N-CA-C	7.78	125.52	109.34
2	1N	15	VAL	O-C-N	-7.78	113.81	122.83
2	1R	70	TRP	CB-CA-C	7.78	123.60	109.37
2	1R	72	ARG	CD-NE-CZ	-7.78	113.51	124.40
2	1V	70	TRP	CB-CA-C	7.78	123.60	109.37
2	1V	72	ARG	CD-NE-CZ	-7.78	113.51	124.40
2	1Z	70	TRP	CB-CA-C	7.78	123.60	109.37
2	1Z	72	ARG	CD-NE-CZ	-7.78	113.51	124.40
1	12	17	THR	N-CA-C	-7.78	92.63	109.81
1	16	17	THR	N-CA-C	-7.78	92.63	109.81
1	2A	17	THR	N-CA-C	-7.78	92.63	109.81
2	2J	15	VAL	O-C-N	-7.78	113.81	122.83
2	2R	70	TRP	CB-CA-C	7.78	123.60	109.37
2	2R	72	ARG	CD-NE-CZ	-7.78	113.51	124.40
2	2V	70	TRP	CB-CA-C	7.78	123.60	109.37
2	2V	72	ARG	CD-NE-CZ	-7.78	113.51	124.40
2	2Z	70	TRP	CB-CA-C	7.78	123.60	109.37
2	2Z	72	ARG	CD-NE-CZ	-7.78	113.51	124.40
2	3B	15	VAL	O-C-N	-7.78	113.81	122.83
2	3J	15	VAL	O-C-N	-7.78	113.81	122.83
1	3Q	17	THR	N-CA-C	-7.78	92.63	109.81
1	3U	17	THR	N-CA-C	-7.78	92.63	109.81
1	3Y	17	THR	N-CA-C	-7.78	92.63	109.81
2	33	15	VAL	O-C-N	-7.78	113.81	122.83
2	4F	15	VAL	O-C-N	-7.78	113.81	122.83
2	4Z	15	VAL	O-C-N	-7.78	113.81	122.83
2	43	70	TRP	CB-CA-C	7.78	123.60	109.37
2	43	72	ARG	CD-NE-CZ	-7.78	113.51	124.40
2	47	70	TRP	CB-CA-C	7.78	123.60	109.37
2	47	72	ARG	CD-NE-CZ	-7.78	113.51	124.40
2	5B	70	TRP	CB-CA-C	7.78	123.60	109.37
2	5B	72	ARG	CD-NE-CZ	-7.78	113.51	124.40
1	5E	17	THR	N-CA-C	-7.78	92.63	109.81
1	5I	17	THR	N-CA-C	-7.78	92.63	109.81
1	5M	17	THR	N-CA-C	-7.78	92.63	109.81
2	5V	15	VAL	O-C-N	-7.78	113.81	122.83
2	53	70	TRP	CB-CA-C	7.78	123.60	109.37
2	53	72	ARG	CD-NE-CZ	-7.78	113.51	124.40
2	57	70	TRP	CB-CA-C	7.78	123.60	109.37
2	57	72	ARG	CD-NE-CZ	-7.78	113.51	124.40
2	6B	70	TRP	CB-CA-C	7.78	123.60	109.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6B	72	ARG	CD-NE-CZ	-7.78	113.51	124.40
2	6N	15	VAL	O-C-N	-7.78	113.81	122.83
2	6V	15	VAL	O-C-N	-7.78	113.81	122.83
1	62	17	THR	N-CA-C	-7.78	92.63	109.81
1	66	17	THR	N-CA-C	-7.78	92.63	109.81
1	7A	17	THR	N-CA-C	-7.78	92.63	109.81
2	7F	15	VAL	O-C-N	-7.78	113.81	122.83
2	7R	15	VAL	O-C-N	-7.78	113.81	122.83
2	1N	72	ARG	O-C-N	7.77	135.44	123.00
2	2J	72	ARG	O-C-N	7.77	135.44	123.00
2	3B	72	ARG	O-C-N	7.77	135.44	123.00
2	3J	72	ARG	O-C-N	7.77	135.44	123.00
2	33	72	ARG	O-C-N	7.77	135.44	123.00
2	4F	72	ARG	O-C-N	7.77	135.44	123.00
2	4Z	72	ARG	O-C-N	7.77	135.44	123.00
2	5V	72	ARG	O-C-N	7.77	135.44	123.00
2	6N	72	ARG	O-C-N	7.77	135.44	123.00
2	6V	72	ARG	O-C-N	7.77	135.44	123.00
2	7F	72	ARG	O-C-N	7.77	135.44	123.00
2	7R	72	ARG	O-C-N	7.77	135.44	123.00
2	1F	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	2N	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	23	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	3N	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	37	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	4J	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	4R	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	5Z	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	6F	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	6Z	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	7J	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	7V	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	1N	70	TRP	CB-CA-C	7.77	123.59	109.37
2	1N	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	1R	14	THR	CA-CB-OG1	-7.77	97.94	109.60
2	1V	14	THR	CA-CB-OG1	-7.77	97.94	109.60
2	1Z	14	THR	CA-CB-OG1	-7.77	97.94	109.60
2	2J	70	TRP	CB-CA-C	7.77	123.59	109.37
2	2J	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	2R	14	THR	CA-CB-OG1	-7.77	97.94	109.60
2	2V	14	THR	CA-CB-OG1	-7.77	97.94	109.60
2	2Z	14	THR	CA-CB-OG1	-7.77	97.94	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3B	70	TRP	CB-CA-C	7.77	123.59	109.37
2	3B	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	3J	70	TRP	CB-CA-C	7.77	123.59	109.37
2	3J	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	33	70	TRP	CB-CA-C	7.77	123.59	109.37
2	33	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	4F	70	TRP	CB-CA-C	7.77	123.59	109.37
2	4F	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	4Z	70	TRP	CB-CA-C	7.77	123.59	109.37
2	4Z	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	43	14	THR	CA-CB-OG1	-7.77	97.94	109.60
2	47	14	THR	CA-CB-OG1	-7.77	97.94	109.60
2	5B	14	THR	CA-CB-OG1	-7.77	97.94	109.60
2	5V	70	TRP	CB-CA-C	7.77	123.59	109.37
2	5V	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	53	14	THR	CA-CB-OG1	-7.77	97.94	109.60
2	57	14	THR	CA-CB-OG1	-7.77	97.94	109.60
2	6B	14	THR	CA-CB-OG1	-7.77	97.94	109.60
2	6N	70	TRP	CB-CA-C	7.77	123.59	109.37
2	6N	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	6V	70	TRP	CB-CA-C	7.77	123.59	109.37
2	6V	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	7F	70	TRP	CB-CA-C	7.77	123.59	109.37
2	7F	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	7R	70	TRP	CB-CA-C	7.77	123.59	109.37
2	7R	72	ARG	CD-NE-CZ	-7.77	113.52	124.40
2	1B	70	TRP	CB-CA-C	7.77	123.58	109.37
2	1F	70	TRP	CB-CA-C	7.77	123.58	109.37
2	1J	70	TRP	CB-CA-C	7.77	123.58	109.37
2	1N	14	THR	CA-CB-OG1	-7.77	97.95	109.60
2	1N	34	ASP	O-C-N	7.77	132.98	122.57
2	1N	71	ALA	CA-C-N	-7.77	107.72	121.70
2	1N	71	ALA	C-N-CA	-7.77	107.72	121.70
1	1Q	150	TYR	CE1-CZ-CE2	-7.77	104.77	120.30
1	1U	150	TYR	CE1-CZ-CE2	-7.77	104.77	120.30
1	1Y	150	TYR	CE1-CZ-CE2	-7.77	104.77	120.30
2	13	71	ALA	CA-C-N	-7.77	107.72	121.70
2	13	71	ALA	C-N-CA	-7.77	107.72	121.70
2	17	71	ALA	CA-C-N	-7.77	107.72	121.70
2	17	71	ALA	C-N-CA	-7.77	107.72	121.70
2	2B	71	ALA	CA-C-N	-7.77	107.72	121.70
2	2B	71	ALA	C-N-CA	-7.77	107.72	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2F	70	TRP	CB-CA-C	7.77	123.58	109.37
2	2J	14	THR	CA-CB-OG1	-7.77	97.95	109.60
2	2J	34	ASP	O-C-N	7.77	132.98	122.57
2	2J	71	ALA	CA-C-N	-7.77	107.72	121.70
2	2J	71	ALA	C-N-CA	-7.77	107.72	121.70
2	2N	70	TRP	CB-CA-C	7.77	123.58	109.37
1	2Q	150	TYR	CE1-CZ-CE2	-7.77	104.77	120.30
1	2U	150	TYR	CE1-CZ-CE2	-7.77	104.77	120.30
1	2Y	150	TYR	CE1-CZ-CE2	-7.77	104.77	120.30
2	23	70	TRP	CB-CA-C	7.77	123.58	109.37
2	27	70	TRP	CB-CA-C	7.77	123.58	109.37
2	3B	14	THR	CA-CB-OG1	-7.77	97.95	109.60
2	3B	34	ASP	O-C-N	7.77	132.98	122.57
2	3B	71	ALA	CA-C-N	-7.77	107.72	121.70
2	3B	71	ALA	C-N-CA	-7.77	107.72	121.70
2	3F	70	TRP	CB-CA-C	7.77	123.58	109.37
2	3J	14	THR	CA-CB-OG1	-7.77	97.95	109.60
2	3J	34	ASP	O-C-N	7.77	132.98	122.57
2	3J	71	ALA	CA-C-N	-7.77	107.72	121.70
2	3J	71	ALA	C-N-CA	-7.77	107.72	121.70
2	3N	70	TRP	CB-CA-C	7.77	123.58	109.37
2	3R	71	ALA	CA-C-N	-7.77	107.72	121.70
2	3R	71	ALA	C-N-CA	-7.77	107.72	121.70
2	3V	71	ALA	CA-C-N	-7.77	107.72	121.70
2	3V	71	ALA	C-N-CA	-7.77	107.72	121.70
2	3Z	71	ALA	CA-C-N	-7.77	107.72	121.70
2	3Z	71	ALA	C-N-CA	-7.77	107.72	121.70
2	33	14	THR	CA-CB-OG1	-7.77	97.95	109.60
2	33	34	ASP	O-C-N	7.77	132.98	122.57
2	33	71	ALA	CA-C-N	-7.77	107.72	121.70
2	33	71	ALA	C-N-CA	-7.77	107.72	121.70
2	37	70	TRP	CB-CA-C	7.77	123.58	109.37
2	4B	70	TRP	CB-CA-C	7.77	123.58	109.37
2	4F	14	THR	CA-CB-OG1	-7.77	97.95	109.60
2	4F	34	ASP	O-C-N	7.77	132.98	122.57
2	4F	71	ALA	CA-C-N	-7.77	107.72	121.70
2	4F	71	ALA	C-N-CA	-7.77	107.72	121.70
2	4J	70	TRP	CB-CA-C	7.77	123.58	109.37
2	4N	70	TRP	CB-CA-C	7.77	123.58	109.37
2	4R	70	TRP	CB-CA-C	7.77	123.58	109.37
2	4V	70	TRP	CB-CA-C	7.77	123.58	109.37
2	4Z	14	THR	CA-CB-OG1	-7.77	97.95	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4Z	34	ASP	O-C-N	7.77	132.98	122.57
2	4Z	71	ALA	CA-C-N	-7.77	107.72	121.70
2	4Z	71	ALA	C-N-CA	-7.77	107.72	121.70
1	42	150	TYR	CE1-CZ-CE2	-7.77	104.77	120.30
1	46	150	TYR	CE1-CZ-CE2	-7.77	104.77	120.30
1	5A	150	TYR	CE1-CZ-CE2	-7.77	104.77	120.30
2	5F	71	ALA	CA-C-N	-7.77	107.72	121.70
2	5F	71	ALA	C-N-CA	-7.77	107.72	121.70
2	5J	71	ALA	CA-C-N	-7.77	107.72	121.70
2	5J	71	ALA	C-N-CA	-7.77	107.72	121.70
2	5N	71	ALA	CA-C-N	-7.77	107.72	121.70
2	5N	71	ALA	C-N-CA	-7.77	107.72	121.70
2	5R	70	TRP	CB-CA-C	7.77	123.58	109.37
2	5V	14	THR	CA-CB-OG1	-7.77	97.95	109.60
2	5V	34	ASP	O-C-N	7.77	132.98	122.57
2	5V	71	ALA	CA-C-N	-7.77	107.72	121.70
2	5V	71	ALA	C-N-CA	-7.77	107.72	121.70
2	5Z	70	TRP	CB-CA-C	7.77	123.58	109.37
1	52	150	TYR	CE1-CZ-CE2	-7.77	104.77	120.30
1	56	150	TYR	CE1-CZ-CE2	-7.77	104.77	120.30
1	6A	150	TYR	CE1-CZ-CE2	-7.77	104.77	120.30
2	6F	70	TRP	CB-CA-C	7.77	123.58	109.37
2	6J	70	TRP	CB-CA-C	7.77	123.58	109.37
2	6N	14	THR	CA-CB-OG1	-7.77	97.95	109.60
2	6N	34	ASP	O-C-N	7.77	132.98	122.57
2	6N	71	ALA	CA-C-N	-7.77	107.72	121.70
2	6N	71	ALA	C-N-CA	-7.77	107.72	121.70
2	6R	70	TRP	CB-CA-C	7.77	123.58	109.37
2	6V	14	THR	CA-CB-OG1	-7.77	97.95	109.60
2	6V	34	ASP	O-C-N	7.77	132.98	122.57
2	6V	71	ALA	CA-C-N	-7.77	107.72	121.70
2	6V	71	ALA	C-N-CA	-7.77	107.72	121.70
2	6Z	70	TRP	CB-CA-C	7.77	123.58	109.37
2	63	71	ALA	CA-C-N	-7.77	107.72	121.70
2	63	71	ALA	C-N-CA	-7.77	107.72	121.70
2	67	71	ALA	CA-C-N	-7.77	107.72	121.70
2	67	71	ALA	C-N-CA	-7.77	107.72	121.70
2	7B	71	ALA	CA-C-N	-7.77	107.72	121.70
2	7B	71	ALA	C-N-CA	-7.77	107.72	121.70
2	7F	14	THR	CA-CB-OG1	-7.77	97.95	109.60
2	7F	34	ASP	O-C-N	7.77	132.98	122.57
2	7F	71	ALA	CA-C-N	-7.77	107.72	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	71	ALA	C-N-CA	-7.77	107.72	121.70
2	7J	70	TRP	CB-CA-C	7.77	123.58	109.37
2	7N	70	TRP	CB-CA-C	7.77	123.58	109.37
2	7R	14	THR	CA-CB-OG1	-7.77	97.95	109.60
2	7R	34	ASP	O-C-N	7.77	132.98	122.57
2	7R	71	ALA	CA-C-N	-7.77	107.72	121.70
2	7R	71	ALA	C-N-CA	-7.77	107.72	121.70
2	7V	70	TRP	CB-CA-C	7.77	123.58	109.37
1	1Q	145	LEU	CB-CG-CD2	7.77	134.00	110.70
1	1U	145	LEU	CB-CG-CD2	7.77	134.00	110.70
1	1Y	145	LEU	CB-CG-CD2	7.77	134.00	110.70
1	2Q	145	LEU	CB-CG-CD2	7.77	134.00	110.70
1	2U	145	LEU	CB-CG-CD2	7.77	134.00	110.70
1	2Y	145	LEU	CB-CG-CD2	7.77	134.00	110.70
1	42	145	LEU	CB-CG-CD2	7.77	134.00	110.70
1	46	145	LEU	CB-CG-CD2	7.77	134.00	110.70
1	5A	145	LEU	CB-CG-CD2	7.77	134.00	110.70
1	52	145	LEU	CB-CG-CD2	7.77	134.00	110.70
1	56	145	LEU	CB-CG-CD2	7.77	134.00	110.70
1	6A	145	LEU	CB-CG-CD2	7.77	134.00	110.70
2	1B	71	ALA	CA-C-N	-7.76	107.72	121.70
2	1B	71	ALA	C-N-CA	-7.76	107.72	121.70
2	1F	14	THR	CA-CB-OG1	-7.76	97.95	109.60
2	1J	71	ALA	CA-C-N	-7.76	107.72	121.70
2	1J	71	ALA	C-N-CA	-7.76	107.72	121.70
2	1R	133	VAL	N-CA-C	7.76	125.49	109.34
2	1V	133	VAL	N-CA-C	7.76	125.49	109.34
2	1Z	133	VAL	N-CA-C	7.76	125.49	109.34
2	13	133	VAL	N-CA-C	7.76	125.49	109.34
2	17	133	VAL	N-CA-C	7.76	125.49	109.34
2	2B	133	VAL	N-CA-C	7.76	125.49	109.34
2	2F	71	ALA	CA-C-N	-7.76	107.72	121.70
2	2F	71	ALA	C-N-CA	-7.76	107.72	121.70
2	2N	14	THR	CA-CB-OG1	-7.76	97.95	109.60
2	2R	133	VAL	N-CA-C	7.76	125.49	109.34
2	2V	133	VAL	N-CA-C	7.76	125.49	109.34
2	2Z	133	VAL	N-CA-C	7.76	125.49	109.34
2	23	14	THR	CA-CB-OG1	-7.76	97.95	109.60
2	27	71	ALA	CA-C-N	-7.76	107.72	121.70
2	27	71	ALA	C-N-CA	-7.76	107.72	121.70
2	3F	71	ALA	CA-C-N	-7.76	107.72	121.70
2	3F	71	ALA	C-N-CA	-7.76	107.72	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3N	14	THR	CA-CB-OG1	-7.76	97.95	109.60
2	3R	133	VAL	N-CA-C	7.76	125.49	109.34
2	3V	133	VAL	N-CA-C	7.76	125.49	109.34
2	3Z	133	VAL	N-CA-C	7.76	125.49	109.34
2	37	14	THR	CA-CB-OG1	-7.76	97.95	109.60
2	4B	71	ALA	CA-C-N	-7.76	107.72	121.70
2	4B	71	ALA	C-N-CA	-7.76	107.72	121.70
2	4J	14	THR	CA-CB-OG1	-7.76	97.95	109.60
2	4N	71	ALA	CA-C-N	-7.76	107.72	121.70
2	4N	71	ALA	C-N-CA	-7.76	107.72	121.70
2	4R	14	THR	CA-CB-OG1	-7.76	97.95	109.60
2	4V	71	ALA	CA-C-N	-7.76	107.72	121.70
2	4V	71	ALA	C-N-CA	-7.76	107.72	121.70
2	43	133	VAL	N-CA-C	7.76	125.49	109.34
2	47	133	VAL	N-CA-C	7.76	125.49	109.34
2	5B	133	VAL	N-CA-C	7.76	125.49	109.34
2	5F	133	VAL	N-CA-C	7.76	125.49	109.34
2	5J	133	VAL	N-CA-C	7.76	125.49	109.34
2	5N	133	VAL	N-CA-C	7.76	125.49	109.34
2	5R	71	ALA	CA-C-N	-7.76	107.72	121.70
2	5R	71	ALA	C-N-CA	-7.76	107.72	121.70
2	5Z	14	THR	CA-CB-OG1	-7.76	97.95	109.60
2	53	133	VAL	N-CA-C	7.76	125.49	109.34
2	57	133	VAL	N-CA-C	7.76	125.49	109.34
2	6B	133	VAL	N-CA-C	7.76	125.49	109.34
2	6F	14	THR	CA-CB-OG1	-7.76	97.95	109.60
2	6J	71	ALA	CA-C-N	-7.76	107.72	121.70
2	6J	71	ALA	C-N-CA	-7.76	107.72	121.70
2	6R	71	ALA	CA-C-N	-7.76	107.72	121.70
2	6R	71	ALA	C-N-CA	-7.76	107.72	121.70
2	6Z	14	THR	CA-CB-OG1	-7.76	97.95	109.60
2	63	133	VAL	N-CA-C	7.76	125.49	109.34
2	67	133	VAL	N-CA-C	7.76	125.49	109.34
2	7B	133	VAL	N-CA-C	7.76	125.49	109.34
2	7J	14	THR	CA-CB-OG1	-7.76	97.95	109.60
2	7N	71	ALA	CA-C-N	-7.76	107.72	121.70
2	7N	71	ALA	C-N-CA	-7.76	107.72	121.70
2	7V	14	THR	CA-CB-OG1	-7.76	97.95	109.60
1	12	145	LEU	CB-CG-CD2	7.76	133.99	110.70
1	16	145	LEU	CB-CG-CD2	7.76	133.99	110.70
1	2A	145	LEU	CB-CG-CD2	7.76	133.99	110.70
1	3Q	145	LEU	CB-CG-CD2	7.76	133.99	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	145	LEU	CB-CG-CD2	7.76	133.99	110.70
1	3Y	145	LEU	CB-CG-CD2	7.76	133.99	110.70
1	5E	145	LEU	CB-CG-CD2	7.76	133.99	110.70
1	5I	145	LEU	CB-CG-CD2	7.76	133.99	110.70
1	5M	145	LEU	CB-CG-CD2	7.76	133.99	110.70
1	62	145	LEU	CB-CG-CD2	7.76	133.99	110.70
1	66	145	LEU	CB-CG-CD2	7.76	133.99	110.70
1	7A	145	LEU	CB-CG-CD2	7.76	133.99	110.70
2	13	14	THR	CA-CB-OG1	-7.76	97.96	109.60
2	13	70	TRP	CB-CA-C	7.76	123.57	109.37
2	13	72	ARG	O-C-N	7.76	135.41	123.00
2	17	14	THR	CA-CB-OG1	-7.76	97.96	109.60
2	17	70	TRP	CB-CA-C	7.76	123.57	109.37
2	17	72	ARG	O-C-N	7.76	135.41	123.00
2	2B	14	THR	CA-CB-OG1	-7.76	97.96	109.60
2	2B	70	TRP	CB-CA-C	7.76	123.57	109.37
2	2B	72	ARG	O-C-N	7.76	135.41	123.00
2	3R	14	THR	CA-CB-OG1	-7.76	97.96	109.60
2	3R	70	TRP	CB-CA-C	7.76	123.57	109.37
2	3R	72	ARG	O-C-N	7.76	135.41	123.00
2	3V	14	THR	CA-CB-OG1	-7.76	97.96	109.60
2	3V	70	TRP	CB-CA-C	7.76	123.57	109.37
2	3V	72	ARG	O-C-N	7.76	135.41	123.00
2	3Z	14	THR	CA-CB-OG1	-7.76	97.96	109.60
2	3Z	70	TRP	CB-CA-C	7.76	123.57	109.37
2	3Z	72	ARG	O-C-N	7.76	135.41	123.00
2	5F	14	THR	CA-CB-OG1	-7.76	97.96	109.60
2	5F	70	TRP	CB-CA-C	7.76	123.57	109.37
2	5F	72	ARG	O-C-N	7.76	135.41	123.00
2	5J	14	THR	CA-CB-OG1	-7.76	97.96	109.60
2	5J	70	TRP	CB-CA-C	7.76	123.57	109.37
2	5J	72	ARG	O-C-N	7.76	135.41	123.00
2	5N	14	THR	CA-CB-OG1	-7.76	97.96	109.60
2	5N	70	TRP	CB-CA-C	7.76	123.57	109.37
2	5N	72	ARG	O-C-N	7.76	135.41	123.00
2	63	14	THR	CA-CB-OG1	-7.76	97.96	109.60
2	63	70	TRP	CB-CA-C	7.76	123.57	109.37
2	63	72	ARG	O-C-N	7.76	135.41	123.00
2	67	14	THR	CA-CB-OG1	-7.76	97.96	109.60
2	67	70	TRP	CB-CA-C	7.76	123.57	109.37
2	67	72	ARG	O-C-N	7.76	135.41	123.00
2	7B	14	THR	CA-CB-OG1	-7.76	97.96	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7B	70	TRP	CB-CA-C	7.76	123.57	109.37
2	7B	72	ARG	O-C-N	7.76	135.41	123.00
2	13	72	ARG	CD-NE-CZ	-7.76	113.54	124.40
2	17	72	ARG	CD-NE-CZ	-7.76	113.54	124.40
2	2B	72	ARG	CD-NE-CZ	-7.76	113.54	124.40
2	3R	72	ARG	CD-NE-CZ	-7.76	113.54	124.40
2	3V	72	ARG	CD-NE-CZ	-7.76	113.54	124.40
2	3Z	72	ARG	CD-NE-CZ	-7.76	113.54	124.40
2	5F	72	ARG	CD-NE-CZ	-7.76	113.54	124.40
2	5J	72	ARG	CD-NE-CZ	-7.76	113.54	124.40
2	5N	72	ARG	CD-NE-CZ	-7.76	113.54	124.40
2	63	72	ARG	CD-NE-CZ	-7.76	113.54	124.40
2	67	72	ARG	CD-NE-CZ	-7.76	113.54	124.40
2	7B	72	ARG	CD-NE-CZ	-7.76	113.54	124.40
1	1A	145	LEU	CB-CG-CD2	7.76	133.97	110.70
1	1I	145	LEU	CB-CG-CD2	7.76	133.97	110.70
1	2E	145	LEU	CB-CG-CD2	7.76	133.97	110.70
1	26	145	LEU	CB-CG-CD2	7.76	133.97	110.70
1	3E	145	LEU	CB-CG-CD2	7.76	133.97	110.70
1	4A	145	LEU	CB-CG-CD2	7.76	133.97	110.70
1	4M	145	LEU	CB-CG-CD2	7.76	133.97	110.70
1	4U	145	LEU	CB-CG-CD2	7.76	133.97	110.70
1	5Q	145	LEU	CB-CG-CD2	7.76	133.97	110.70
1	6I	145	LEU	CB-CG-CD2	7.76	133.97	110.70
1	6Q	145	LEU	CB-CG-CD2	7.76	133.97	110.70
1	7M	145	LEU	CB-CG-CD2	7.76	133.97	110.70
1	1E	145	LEU	CB-CG-CD2	7.75	133.96	110.70
2	1R	71	ALA	CA-C-N	-7.75	107.75	121.70
2	1R	71	ALA	C-N-CA	-7.75	107.75	121.70
2	1V	71	ALA	CA-C-N	-7.75	107.75	121.70
2	1V	71	ALA	C-N-CA	-7.75	107.75	121.70
2	1Z	71	ALA	CA-C-N	-7.75	107.75	121.70
2	1Z	71	ALA	C-N-CA	-7.75	107.75	121.70
1	2M	145	LEU	CB-CG-CD2	7.75	133.96	110.70
2	2R	71	ALA	CA-C-N	-7.75	107.75	121.70
2	2R	71	ALA	C-N-CA	-7.75	107.75	121.70
2	2V	71	ALA	CA-C-N	-7.75	107.75	121.70
2	2V	71	ALA	C-N-CA	-7.75	107.75	121.70
2	2Z	71	ALA	CA-C-N	-7.75	107.75	121.70
2	2Z	71	ALA	C-N-CA	-7.75	107.75	121.70
1	22	145	LEU	CB-CG-CD2	7.75	133.96	110.70
1	3M	145	LEU	CB-CG-CD2	7.75	133.96	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	145	LEU	CB-CG-CD2	7.75	133.96	110.70
1	4I	145	LEU	CB-CG-CD2	7.75	133.96	110.70
1	4Q	145	LEU	CB-CG-CD2	7.75	133.96	110.70
2	43	71	ALA	CA-C-N	-7.75	107.75	121.70
2	43	71	ALA	C-N-CA	-7.75	107.75	121.70
2	47	71	ALA	CA-C-N	-7.75	107.75	121.70
2	47	71	ALA	C-N-CA	-7.75	107.75	121.70
2	5B	71	ALA	CA-C-N	-7.75	107.75	121.70
2	5B	71	ALA	C-N-CA	-7.75	107.75	121.70
1	5Y	145	LEU	CB-CG-CD2	7.75	133.96	110.70
2	53	71	ALA	CA-C-N	-7.75	107.75	121.70
2	53	71	ALA	C-N-CA	-7.75	107.75	121.70
2	57	71	ALA	CA-C-N	-7.75	107.75	121.70
2	57	71	ALA	C-N-CA	-7.75	107.75	121.70
2	6B	71	ALA	CA-C-N	-7.75	107.75	121.70
2	6B	71	ALA	C-N-CA	-7.75	107.75	121.70
1	6E	145	LEU	CB-CG-CD2	7.75	133.96	110.70
1	6Y	145	LEU	CB-CG-CD2	7.75	133.96	110.70
1	7I	145	LEU	CB-CG-CD2	7.75	133.96	110.70
1	7U	145	LEU	CB-CG-CD2	7.75	133.96	110.70
2	1B	14	THR	CA-CB-OG1	-7.75	97.97	109.60
2	1J	14	THR	CA-CB-OG1	-7.75	97.97	109.60
1	1M	145	LEU	CB-CG-CD2	7.75	133.96	110.70
2	2F	14	THR	CA-CB-OG1	-7.75	97.97	109.60
1	2I	145	LEU	CB-CG-CD2	7.75	133.96	110.70
2	27	14	THR	CA-CB-OG1	-7.75	97.97	109.60
1	3A	145	LEU	CB-CG-CD2	7.75	133.96	110.70
2	3F	14	THR	CA-CB-OG1	-7.75	97.97	109.60
1	3I	145	LEU	CB-CG-CD2	7.75	133.96	110.70
1	32	145	LEU	CB-CG-CD2	7.75	133.96	110.70
2	4B	14	THR	CA-CB-OG1	-7.75	97.97	109.60
1	4E	145	LEU	CB-CG-CD2	7.75	133.96	110.70
2	4N	14	THR	CA-CB-OG1	-7.75	97.97	109.60
2	4V	14	THR	CA-CB-OG1	-7.75	97.97	109.60
1	4Y	145	LEU	CB-CG-CD2	7.75	133.96	110.70
2	5R	14	THR	CA-CB-OG1	-7.75	97.97	109.60
1	5U	145	LEU	CB-CG-CD2	7.75	133.96	110.70
2	6J	14	THR	CA-CB-OG1	-7.75	97.97	109.60
1	6M	145	LEU	CB-CG-CD2	7.75	133.96	110.70
2	6R	14	THR	CA-CB-OG1	-7.75	97.97	109.60
1	6U	145	LEU	CB-CG-CD2	7.75	133.96	110.70
1	7E	145	LEU	CB-CG-CD2	7.75	133.96	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	14	THR	CA-CB-OG1	-7.75	97.97	109.60
1	7Q	145	LEU	CB-CG-CD2	7.75	133.96	110.70
2	1R	54	ASN	N-CA-CB	-7.75	98.42	110.43
2	1V	54	ASN	N-CA-CB	-7.75	98.42	110.43
2	1Z	54	ASN	N-CA-CB	-7.75	98.42	110.43
2	2R	54	ASN	N-CA-CB	-7.75	98.42	110.43
2	2V	54	ASN	N-CA-CB	-7.75	98.42	110.43
2	2Z	54	ASN	N-CA-CB	-7.75	98.42	110.43
2	43	54	ASN	N-CA-CB	-7.75	98.42	110.43
2	47	54	ASN	N-CA-CB	-7.75	98.42	110.43
2	5B	54	ASN	N-CA-CB	-7.75	98.42	110.43
2	53	54	ASN	N-CA-CB	-7.75	98.42	110.43
2	57	54	ASN	N-CA-CB	-7.75	98.42	110.43
2	6B	54	ASN	N-CA-CB	-7.75	98.42	110.43
1	1Q	39	GLN	CA-C-O	-7.75	111.64	120.24
1	1U	39	GLN	CA-C-O	-7.75	111.64	120.24
1	1Y	39	GLN	CA-C-O	-7.75	111.64	120.24
1	2Q	39	GLN	CA-C-O	-7.75	111.64	120.24
1	2U	39	GLN	CA-C-O	-7.75	111.64	120.24
1	2Y	39	GLN	CA-C-O	-7.75	111.64	120.24
1	42	39	GLN	CA-C-O	-7.75	111.64	120.24
1	46	39	GLN	CA-C-O	-7.75	111.64	120.24
1	5A	39	GLN	CA-C-O	-7.75	111.64	120.24
1	52	39	GLN	CA-C-O	-7.75	111.64	120.24
1	56	39	GLN	CA-C-O	-7.75	111.64	120.24
1	6A	39	GLN	CA-C-O	-7.75	111.64	120.24
2	1B	15	VAL	CA-C-N	-7.74	107.76	121.70
2	1B	15	VAL	C-N-CA	-7.74	107.76	121.70
2	1B	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	1J	15	VAL	CA-C-N	-7.74	107.76	121.70
2	1J	15	VAL	C-N-CA	-7.74	107.76	121.70
2	1J	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	1R	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	1V	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	1Z	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	2F	15	VAL	CA-C-N	-7.74	107.76	121.70
2	2F	15	VAL	C-N-CA	-7.74	107.76	121.70
2	2F	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	2R	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	2V	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	2Z	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	27	15	VAL	CA-C-N	-7.74	107.76	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	27	15	VAL	C-N-CA	-7.74	107.76	121.70
2	27	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	3F	15	VAL	CA-C-N	-7.74	107.76	121.70
2	3F	15	VAL	C-N-CA	-7.74	107.76	121.70
2	3F	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	4B	15	VAL	CA-C-N	-7.74	107.76	121.70
2	4B	15	VAL	C-N-CA	-7.74	107.76	121.70
2	4B	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	4N	15	VAL	CA-C-N	-7.74	107.76	121.70
2	4N	15	VAL	C-N-CA	-7.74	107.76	121.70
2	4N	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	4V	15	VAL	CA-C-N	-7.74	107.76	121.70
2	4V	15	VAL	C-N-CA	-7.74	107.76	121.70
2	4V	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	43	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	47	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	5B	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	5R	15	VAL	CA-C-N	-7.74	107.76	121.70
2	5R	15	VAL	C-N-CA	-7.74	107.76	121.70
2	5R	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	53	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	57	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	6B	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	6J	15	VAL	CA-C-N	-7.74	107.76	121.70
2	6J	15	VAL	C-N-CA	-7.74	107.76	121.70
2	6J	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	6R	15	VAL	CA-C-N	-7.74	107.76	121.70
2	6R	15	VAL	C-N-CA	-7.74	107.76	121.70
2	6R	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	7N	15	VAL	CA-C-N	-7.74	107.76	121.70
2	7N	15	VAL	C-N-CA	-7.74	107.76	121.70
2	7N	227	TYR	CA-CB-CG	-7.74	99.96	113.90
2	1N	54	ASN	N-CA-CB	-7.74	98.43	110.43
2	2J	54	ASN	N-CA-CB	-7.74	98.43	110.43
2	3B	54	ASN	N-CA-CB	-7.74	98.43	110.43
2	3J	54	ASN	N-CA-CB	-7.74	98.43	110.43
2	33	54	ASN	N-CA-CB	-7.74	98.43	110.43
2	4F	54	ASN	N-CA-CB	-7.74	98.43	110.43
2	4Z	54	ASN	N-CA-CB	-7.74	98.43	110.43
2	5V	54	ASN	N-CA-CB	-7.74	98.43	110.43
2	6N	54	ASN	N-CA-CB	-7.74	98.43	110.43
2	6V	54	ASN	N-CA-CB	-7.74	98.43	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	54	ASN	N-CA-CB	-7.74	98.43	110.43
2	7R	54	ASN	N-CA-CB	-7.74	98.43	110.43
2	1N	15	VAL	CA-C-N	-7.74	107.77	121.70
2	1N	15	VAL	C-N-CA	-7.74	107.77	121.70
2	13	15	VAL	CA-C-N	-7.74	107.77	121.70
2	13	15	VAL	C-N-CA	-7.74	107.77	121.70
2	17	15	VAL	CA-C-N	-7.74	107.77	121.70
2	17	15	VAL	C-N-CA	-7.74	107.77	121.70
2	2B	15	VAL	CA-C-N	-7.74	107.77	121.70
2	2B	15	VAL	C-N-CA	-7.74	107.77	121.70
2	2J	15	VAL	CA-C-N	-7.74	107.77	121.70
2	2J	15	VAL	C-N-CA	-7.74	107.77	121.70
2	3B	15	VAL	CA-C-N	-7.74	107.77	121.70
2	3B	15	VAL	C-N-CA	-7.74	107.77	121.70
2	3J	15	VAL	CA-C-N	-7.74	107.77	121.70
2	3J	15	VAL	C-N-CA	-7.74	107.77	121.70
2	3R	15	VAL	CA-C-N	-7.74	107.77	121.70
2	3R	15	VAL	C-N-CA	-7.74	107.77	121.70
2	3V	15	VAL	CA-C-N	-7.74	107.77	121.70
2	3V	15	VAL	C-N-CA	-7.74	107.77	121.70
2	3Z	15	VAL	CA-C-N	-7.74	107.77	121.70
2	3Z	15	VAL	C-N-CA	-7.74	107.77	121.70
2	33	15	VAL	CA-C-N	-7.74	107.77	121.70
2	33	15	VAL	C-N-CA	-7.74	107.77	121.70
2	4F	15	VAL	CA-C-N	-7.74	107.77	121.70
2	4F	15	VAL	C-N-CA	-7.74	107.77	121.70
2	4Z	15	VAL	CA-C-N	-7.74	107.77	121.70
2	4Z	15	VAL	C-N-CA	-7.74	107.77	121.70
2	5F	15	VAL	CA-C-N	-7.74	107.77	121.70
2	5F	15	VAL	C-N-CA	-7.74	107.77	121.70
2	5J	15	VAL	CA-C-N	-7.74	107.77	121.70
2	5J	15	VAL	C-N-CA	-7.74	107.77	121.70
2	5N	15	VAL	CA-C-N	-7.74	107.77	121.70
2	5N	15	VAL	C-N-CA	-7.74	107.77	121.70
2	5V	15	VAL	CA-C-N	-7.74	107.77	121.70
2	5V	15	VAL	C-N-CA	-7.74	107.77	121.70
2	6N	15	VAL	CA-C-N	-7.74	107.77	121.70
2	6N	15	VAL	C-N-CA	-7.74	107.77	121.70
2	6V	15	VAL	CA-C-N	-7.74	107.77	121.70
2	6V	15	VAL	C-N-CA	-7.74	107.77	121.70
2	63	15	VAL	CA-C-N	-7.74	107.77	121.70
2	63	15	VAL	C-N-CA	-7.74	107.77	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	15	VAL	CA-C-N	-7.74	107.77	121.70
2	67	15	VAL	C-N-CA	-7.74	107.77	121.70
2	7B	15	VAL	CA-C-N	-7.74	107.77	121.70
2	7B	15	VAL	C-N-CA	-7.74	107.77	121.70
2	7F	15	VAL	CA-C-N	-7.74	107.77	121.70
2	7F	15	VAL	C-N-CA	-7.74	107.77	121.70
2	7R	15	VAL	CA-C-N	-7.74	107.77	121.70
2	7R	15	VAL	C-N-CA	-7.74	107.77	121.70
2	1F	15	VAL	CA-C-N	-7.74	107.77	121.70
2	1F	15	VAL	C-N-CA	-7.74	107.77	121.70
2	2N	15	VAL	CA-C-N	-7.74	107.77	121.70
2	2N	15	VAL	C-N-CA	-7.74	107.77	121.70
2	23	15	VAL	CA-C-N	-7.74	107.77	121.70
2	23	15	VAL	C-N-CA	-7.74	107.77	121.70
2	3N	15	VAL	CA-C-N	-7.74	107.77	121.70
2	3N	15	VAL	C-N-CA	-7.74	107.77	121.70
2	37	15	VAL	CA-C-N	-7.74	107.77	121.70
2	37	15	VAL	C-N-CA	-7.74	107.77	121.70
2	4J	15	VAL	CA-C-N	-7.74	107.77	121.70
2	4J	15	VAL	C-N-CA	-7.74	107.77	121.70
2	4R	15	VAL	CA-C-N	-7.74	107.77	121.70
2	4R	15	VAL	C-N-CA	-7.74	107.77	121.70
2	5Z	15	VAL	CA-C-N	-7.74	107.77	121.70
2	5Z	15	VAL	C-N-CA	-7.74	107.77	121.70
2	6F	15	VAL	CA-C-N	-7.74	107.77	121.70
2	6F	15	VAL	C-N-CA	-7.74	107.77	121.70
2	6Z	15	VAL	CA-C-N	-7.74	107.77	121.70
2	6Z	15	VAL	C-N-CA	-7.74	107.77	121.70
2	7J	15	VAL	CA-C-N	-7.74	107.77	121.70
2	7J	15	VAL	C-N-CA	-7.74	107.77	121.70
2	7V	15	VAL	CA-C-N	-7.74	107.77	121.70
2	7V	15	VAL	C-N-CA	-7.74	107.77	121.70
2	1B	54	ASN	N-CA-CB	-7.74	98.44	110.43
2	1J	54	ASN	N-CA-CB	-7.74	98.44	110.43
2	1R	15	VAL	CA-C-N	-7.74	107.78	121.70
2	1R	15	VAL	C-N-CA	-7.74	107.78	121.70
2	1V	15	VAL	CA-C-N	-7.74	107.78	121.70
2	1V	15	VAL	C-N-CA	-7.74	107.78	121.70
2	1Z	15	VAL	CA-C-N	-7.74	107.78	121.70
2	1Z	15	VAL	C-N-CA	-7.74	107.78	121.70
2	13	227	TYR	CA-CB-CG	-7.74	99.98	113.90
2	17	227	TYR	CA-CB-CG	-7.74	99.98	113.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	227	TYR	CA-CB-CG	-7.74	99.98	113.90
2	2F	54	ASN	N-CA-CB	-7.74	98.44	110.43
2	2R	15	VAL	CA-C-N	-7.74	107.78	121.70
2	2R	15	VAL	C-N-CA	-7.74	107.78	121.70
2	2V	15	VAL	CA-C-N	-7.74	107.78	121.70
2	2V	15	VAL	C-N-CA	-7.74	107.78	121.70
2	2Z	15	VAL	CA-C-N	-7.74	107.78	121.70
2	2Z	15	VAL	C-N-CA	-7.74	107.78	121.70
2	27	54	ASN	N-CA-CB	-7.74	98.44	110.43
2	3F	54	ASN	N-CA-CB	-7.74	98.44	110.43
2	3R	227	TYR	CA-CB-CG	-7.74	99.98	113.90
2	3V	227	TYR	CA-CB-CG	-7.74	99.98	113.90
2	3Z	227	TYR	CA-CB-CG	-7.74	99.98	113.90
2	4B	54	ASN	N-CA-CB	-7.74	98.44	110.43
2	4N	54	ASN	N-CA-CB	-7.74	98.44	110.43
2	4V	54	ASN	N-CA-CB	-7.74	98.44	110.43
2	43	15	VAL	CA-C-N	-7.74	107.78	121.70
2	43	15	VAL	C-N-CA	-7.74	107.78	121.70
2	47	15	VAL	CA-C-N	-7.74	107.78	121.70
2	47	15	VAL	C-N-CA	-7.74	107.78	121.70
2	5B	15	VAL	CA-C-N	-7.74	107.78	121.70
2	5B	15	VAL	C-N-CA	-7.74	107.78	121.70
2	5F	227	TYR	CA-CB-CG	-7.74	99.98	113.90
2	5J	227	TYR	CA-CB-CG	-7.74	99.98	113.90
2	5N	227	TYR	CA-CB-CG	-7.74	99.98	113.90
2	5R	54	ASN	N-CA-CB	-7.74	98.44	110.43
2	53	15	VAL	CA-C-N	-7.74	107.78	121.70
2	53	15	VAL	C-N-CA	-7.74	107.78	121.70
2	57	15	VAL	CA-C-N	-7.74	107.78	121.70
2	57	15	VAL	C-N-CA	-7.74	107.78	121.70
2	6B	15	VAL	CA-C-N	-7.74	107.78	121.70
2	6B	15	VAL	C-N-CA	-7.74	107.78	121.70
2	6J	54	ASN	N-CA-CB	-7.74	98.44	110.43
2	6R	54	ASN	N-CA-CB	-7.74	98.44	110.43
2	63	227	TYR	CA-CB-CG	-7.74	99.98	113.90
2	67	227	TYR	CA-CB-CG	-7.74	99.98	113.90
2	7B	227	TYR	CA-CB-CG	-7.74	99.98	113.90
2	7N	54	ASN	N-CA-CB	-7.74	98.44	110.43
1	12	39	GLN	CA-C-O	-7.73	111.66	120.24
1	16	39	GLN	CA-C-O	-7.73	111.66	120.24
1	2A	39	GLN	CA-C-O	-7.73	111.66	120.24
1	3Q	39	GLN	CA-C-O	-7.73	111.66	120.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	39	GLN	CA-C-O	-7.73	111.66	120.24
1	3Y	39	GLN	CA-C-O	-7.73	111.66	120.24
1	5E	39	GLN	CA-C-O	-7.73	111.66	120.24
1	5I	39	GLN	CA-C-O	-7.73	111.66	120.24
1	5M	39	GLN	CA-C-O	-7.73	111.66	120.24
1	62	39	GLN	CA-C-O	-7.73	111.66	120.24
1	66	39	GLN	CA-C-O	-7.73	111.66	120.24
1	7A	39	GLN	CA-C-O	-7.73	111.66	120.24
2	1F	54	ASN	N-CA-CB	-7.73	98.44	110.43
2	2N	54	ASN	N-CA-CB	-7.73	98.44	110.43
2	23	54	ASN	N-CA-CB	-7.73	98.44	110.43
2	3N	54	ASN	N-CA-CB	-7.73	98.44	110.43
2	37	54	ASN	N-CA-CB	-7.73	98.44	110.43
2	4J	54	ASN	N-CA-CB	-7.73	98.44	110.43
2	4R	54	ASN	N-CA-CB	-7.73	98.44	110.43
2	5Z	54	ASN	N-CA-CB	-7.73	98.44	110.43
2	6F	54	ASN	N-CA-CB	-7.73	98.44	110.43
2	6Z	54	ASN	N-CA-CB	-7.73	98.44	110.43
2	7J	54	ASN	N-CA-CB	-7.73	98.44	110.43
2	7V	54	ASN	N-CA-CB	-7.73	98.44	110.43
2	1F	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	1N	227	TYR	CA-CB-CG	-7.73	99.98	113.90
4	15	27	PHE	CA-CB-CG	7.73	121.53	113.80
4	19	27	PHE	CA-CB-CG	7.73	121.53	113.80
4	2D	27	PHE	CA-CB-CG	7.73	121.53	113.80
2	2J	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	2N	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	23	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	3B	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	3J	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	3N	227	TYR	CA-CB-CG	-7.73	99.98	113.90
4	3T	27	PHE	CA-CB-CG	7.73	121.53	113.80
4	3X	27	PHE	CA-CB-CG	7.73	121.53	113.80
4	31	27	PHE	CA-CB-CG	7.73	121.53	113.80
2	33	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	37	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	4F	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	4J	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	4R	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	4Z	227	TYR	CA-CB-CG	-7.73	99.98	113.90
4	5H	27	PHE	CA-CB-CG	7.73	121.53	113.80
4	5L	27	PHE	CA-CB-CG	7.73	121.53	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	5P	27	PHE	CA-CB-CG	7.73	121.53	113.80
2	5V	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	5Z	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	6F	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	6N	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	6V	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	6Z	227	TYR	CA-CB-CG	-7.73	99.98	113.90
4	65	27	PHE	CA-CB-CG	7.73	121.53	113.80
4	69	27	PHE	CA-CB-CG	7.73	121.53	113.80
4	7D	27	PHE	CA-CB-CG	7.73	121.53	113.80
2	7F	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	7J	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	7R	227	TYR	CA-CB-CG	-7.73	99.98	113.90
2	7V	227	TYR	CA-CB-CG	-7.73	99.98	113.90
1	1E	39	GLN	CA-C-O	-7.73	111.66	120.24
1	2M	39	GLN	CA-C-O	-7.73	111.66	120.24
1	22	39	GLN	CA-C-O	-7.73	111.66	120.24
1	3M	39	GLN	CA-C-O	-7.73	111.66	120.24
1	36	39	GLN	CA-C-O	-7.73	111.66	120.24
1	4I	39	GLN	CA-C-O	-7.73	111.66	120.24
1	4Q	39	GLN	CA-C-O	-7.73	111.66	120.24
1	5Y	39	GLN	CA-C-O	-7.73	111.66	120.24
1	6E	39	GLN	CA-C-O	-7.73	111.66	120.24
1	6Y	39	GLN	CA-C-O	-7.73	111.66	120.24
1	7I	39	GLN	CA-C-O	-7.73	111.66	120.24
1	7U	39	GLN	CA-C-O	-7.73	111.66	120.24
4	1H	27	PHE	CA-CB-CG	7.72	121.53	113.80
1	1M	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
1	1Q	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
1	1U	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
1	1Y	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
1	12	178	SER	N-CA-C	-7.72	97.67	109.95
2	13	54	ASN	N-CA-CB	-7.72	98.46	110.43
1	16	178	SER	N-CA-C	-7.72	97.67	109.95
2	17	54	ASN	N-CA-CB	-7.72	98.46	110.43
1	2A	178	SER	N-CA-C	-7.72	97.67	109.95
2	2B	54	ASN	N-CA-CB	-7.72	98.46	110.43
1	2I	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
4	2P	27	PHE	CA-CB-CG	7.72	121.53	113.80
1	2Q	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
1	2U	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
1	2Y	180	VAL	CA-CB-CG2	-7.72	97.27	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	25	27	PHE	CA-CB-CG	7.72	121.53	113.80
1	3A	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
1	3I	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
4	3P	27	PHE	CA-CB-CG	7.72	121.53	113.80
1	3Q	178	SER	N-CA-C	-7.72	97.67	109.95
2	3R	54	ASN	N-CA-CB	-7.72	98.46	110.43
1	3U	178	SER	N-CA-C	-7.72	97.67	109.95
2	3V	54	ASN	N-CA-CB	-7.72	98.46	110.43
1	3Y	178	SER	N-CA-C	-7.72	97.67	109.95
2	3Z	54	ASN	N-CA-CB	-7.72	98.46	110.43
1	32	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
4	39	27	PHE	CA-CB-CG	7.72	121.53	113.80
1	4E	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
4	4L	27	PHE	CA-CB-CG	7.72	121.53	113.80
4	4T	27	PHE	CA-CB-CG	7.72	121.53	113.80
1	4Y	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
1	42	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
1	46	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
1	5A	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
1	5E	178	SER	N-CA-C	-7.72	97.67	109.95
2	5F	54	ASN	N-CA-CB	-7.72	98.46	110.43
1	5I	178	SER	N-CA-C	-7.72	97.67	109.95
2	5J	54	ASN	N-CA-CB	-7.72	98.46	110.43
1	5M	178	SER	N-CA-C	-7.72	97.67	109.95
2	5N	54	ASN	N-CA-CB	-7.72	98.46	110.43
1	5U	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
4	51	27	PHE	CA-CB-CG	7.72	121.53	113.80
1	52	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
1	56	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
1	6A	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
4	6H	27	PHE	CA-CB-CG	7.72	121.53	113.80
1	6M	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
1	6U	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
4	61	27	PHE	CA-CB-CG	7.72	121.53	113.80
1	62	178	SER	N-CA-C	-7.72	97.67	109.95
2	63	54	ASN	N-CA-CB	-7.72	98.46	110.43
1	66	178	SER	N-CA-C	-7.72	97.67	109.95
2	67	54	ASN	N-CA-CB	-7.72	98.46	110.43
1	7A	178	SER	N-CA-C	-7.72	97.67	109.95
2	7B	54	ASN	N-CA-CB	-7.72	98.46	110.43
1	7E	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
4	7L	27	PHE	CA-CB-CG	7.72	121.53	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	180	VAL	CA-CB-CG2	-7.72	97.27	110.40
4	7X	27	PHE	CA-CB-CG	7.72	121.53	113.80
1	1M	39	GLN	CA-C-O	-7.72	111.67	120.24
4	1T	27	PHE	CA-CB-CG	7.72	121.52	113.80
4	1X	27	PHE	CA-CB-CG	7.72	121.52	113.80
4	11	27	PHE	CA-CB-CG	7.72	121.52	113.80
1	2I	39	GLN	CA-C-O	-7.72	111.67	120.24
4	2T	27	PHE	CA-CB-CG	7.72	121.52	113.80
4	2X	27	PHE	CA-CB-CG	7.72	121.52	113.80
4	21	27	PHE	CA-CB-CG	7.72	121.52	113.80
1	3A	39	GLN	CA-C-O	-7.72	111.67	120.24
1	3I	39	GLN	CA-C-O	-7.72	111.67	120.24
1	32	39	GLN	CA-C-O	-7.72	111.67	120.24
1	4E	39	GLN	CA-C-O	-7.72	111.67	120.24
1	4Y	39	GLN	CA-C-O	-7.72	111.67	120.24
4	45	27	PHE	CA-CB-CG	7.72	121.52	113.80
4	49	27	PHE	CA-CB-CG	7.72	121.52	113.80
4	5D	27	PHE	CA-CB-CG	7.72	121.52	113.80
1	5U	39	GLN	CA-C-O	-7.72	111.67	120.24
4	55	27	PHE	CA-CB-CG	7.72	121.52	113.80
4	59	27	PHE	CA-CB-CG	7.72	121.52	113.80
4	6D	27	PHE	CA-CB-CG	7.72	121.52	113.80
1	6M	39	GLN	CA-C-O	-7.72	111.67	120.24
1	6U	39	GLN	CA-C-O	-7.72	111.67	120.24
1	7E	39	GLN	CA-C-O	-7.72	111.67	120.24
1	7Q	39	GLN	CA-C-O	-7.72	111.67	120.24
1	1A	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	1E	147	ARG	CD-NE-CZ	-7.72	113.60	124.40
1	1I	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	12	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	16	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	2A	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	2E	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	2M	147	ARG	CD-NE-CZ	-7.72	113.60	124.40
1	22	147	ARG	CD-NE-CZ	-7.72	113.60	124.40
1	26	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	3E	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	3M	147	ARG	CD-NE-CZ	-7.72	113.60	124.40
1	3Q	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	3U	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	3Y	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	36	147	ARG	CD-NE-CZ	-7.72	113.60	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	4I	147	ARG	CD-NE-CZ	-7.72	113.60	124.40
1	4M	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	4Q	147	ARG	CD-NE-CZ	-7.72	113.60	124.40
1	4U	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	5E	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	5I	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	5M	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	5Q	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	5Y	147	ARG	CD-NE-CZ	-7.72	113.60	124.40
1	6E	147	ARG	CD-NE-CZ	-7.72	113.60	124.40
1	6I	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	6Q	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	6Y	147	ARG	CD-NE-CZ	-7.72	113.60	124.40
1	62	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	66	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	7A	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	7I	147	ARG	CD-NE-CZ	-7.72	113.60	124.40
1	7M	180	VAL	CA-CB-CG2	-7.72	97.28	110.40
1	7U	147	ARG	CD-NE-CZ	-7.72	113.60	124.40
1	1A	39	GLN	CA-C-O	-7.71	111.68	120.24
1	1I	39	GLN	CA-C-O	-7.71	111.68	120.24
1	2E	39	GLN	CA-C-O	-7.71	111.68	120.24
1	26	39	GLN	CA-C-O	-7.71	111.68	120.24
1	3E	39	GLN	CA-C-O	-7.71	111.68	120.24
1	4A	39	GLN	CA-C-O	-7.71	111.68	120.24
1	4M	39	GLN	CA-C-O	-7.71	111.68	120.24
1	4U	39	GLN	CA-C-O	-7.71	111.68	120.24
1	5Q	39	GLN	CA-C-O	-7.71	111.68	120.24
1	6I	39	GLN	CA-C-O	-7.71	111.68	120.24
1	6Q	39	GLN	CA-C-O	-7.71	111.68	120.24
1	7M	39	GLN	CA-C-O	-7.71	111.68	120.24
1	1M	178	SER	N-CA-C	-7.71	97.69	109.95
1	2I	178	SER	N-CA-C	-7.71	97.69	109.95
1	3A	178	SER	N-CA-C	-7.71	97.69	109.95
1	3I	178	SER	N-CA-C	-7.71	97.69	109.95
1	32	178	SER	N-CA-C	-7.71	97.69	109.95
1	4E	178	SER	N-CA-C	-7.71	97.69	109.95
1	4Y	178	SER	N-CA-C	-7.71	97.69	109.95
1	5U	178	SER	N-CA-C	-7.71	97.69	109.95
1	6M	178	SER	N-CA-C	-7.71	97.69	109.95
1	6U	178	SER	N-CA-C	-7.71	97.69	109.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	178	SER	N-CA-C	-7.71	97.69	109.95
1	7Q	178	SER	N-CA-C	-7.71	97.69	109.95
1	1E	178	SER	N-CA-C	-7.71	97.69	109.95
4	1P	27	PHE	CA-CB-CG	7.71	121.51	113.80
4	2L	27	PHE	CA-CB-CG	7.71	121.51	113.80
1	2M	178	SER	N-CA-C	-7.71	97.69	109.95
1	22	178	SER	N-CA-C	-7.71	97.69	109.95
4	3D	27	PHE	CA-CB-CG	7.71	121.51	113.80
4	3L	27	PHE	CA-CB-CG	7.71	121.51	113.80
1	3M	178	SER	N-CA-C	-7.71	97.69	109.95
4	35	27	PHE	CA-CB-CG	7.71	121.51	113.80
1	36	178	SER	N-CA-C	-7.71	97.69	109.95
4	4H	27	PHE	CA-CB-CG	7.71	121.51	113.80
1	4I	178	SER	N-CA-C	-7.71	97.69	109.95
1	4Q	178	SER	N-CA-C	-7.71	97.69	109.95
4	41	27	PHE	CA-CB-CG	7.71	121.51	113.80
4	5X	27	PHE	CA-CB-CG	7.71	121.51	113.80
1	5Y	178	SER	N-CA-C	-7.71	97.69	109.95
1	6E	178	SER	N-CA-C	-7.71	97.69	109.95
4	6P	27	PHE	CA-CB-CG	7.71	121.51	113.80
4	6X	27	PHE	CA-CB-CG	7.71	121.51	113.80
1	6Y	178	SER	N-CA-C	-7.71	97.69	109.95
4	7H	27	PHE	CA-CB-CG	7.71	121.51	113.80
1	7I	178	SER	N-CA-C	-7.71	97.69	109.95
4	7T	27	PHE	CA-CB-CG	7.71	121.51	113.80
1	7U	178	SER	N-CA-C	-7.71	97.69	109.95
1	1A	178	SER	N-CA-C	-7.70	97.70	109.95
1	1I	178	SER	N-CA-C	-7.70	97.70	109.95
1	1Q	178	SER	N-CA-C	-7.70	97.70	109.95
1	1U	178	SER	N-CA-C	-7.70	97.70	109.95
1	1Y	178	SER	N-CA-C	-7.70	97.70	109.95
1	2E	178	SER	N-CA-C	-7.70	97.70	109.95
1	2Q	178	SER	N-CA-C	-7.70	97.70	109.95
1	2U	178	SER	N-CA-C	-7.70	97.70	109.95
1	2Y	178	SER	N-CA-C	-7.70	97.70	109.95
1	26	178	SER	N-CA-C	-7.70	97.70	109.95
1	3E	178	SER	N-CA-C	-7.70	97.70	109.95
1	4A	178	SER	N-CA-C	-7.70	97.70	109.95
1	4M	178	SER	N-CA-C	-7.70	97.70	109.95
1	4U	178	SER	N-CA-C	-7.70	97.70	109.95
1	42	178	SER	N-CA-C	-7.70	97.70	109.95
1	46	178	SER	N-CA-C	-7.70	97.70	109.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	178	SER	N-CA-C	-7.70	97.70	109.95
1	5Q	178	SER	N-CA-C	-7.70	97.70	109.95
1	52	178	SER	N-CA-C	-7.70	97.70	109.95
1	56	178	SER	N-CA-C	-7.70	97.70	109.95
1	6A	178	SER	N-CA-C	-7.70	97.70	109.95
1	6I	178	SER	N-CA-C	-7.70	97.70	109.95
1	6Q	178	SER	N-CA-C	-7.70	97.70	109.95
1	7M	178	SER	N-CA-C	-7.70	97.70	109.95
4	1D	27	PHE	CA-CB-CG	7.70	121.50	113.80
4	1L	27	PHE	CA-CB-CG	7.70	121.50	113.80
1	1Q	147	ARG	CD-NE-CZ	-7.70	113.62	124.40
1	1U	147	ARG	CD-NE-CZ	-7.70	113.62	124.40
1	1Y	147	ARG	CD-NE-CZ	-7.70	113.62	124.40
4	2H	27	PHE	CA-CB-CG	7.70	121.50	113.80
1	2Q	147	ARG	CD-NE-CZ	-7.70	113.62	124.40
1	2U	147	ARG	CD-NE-CZ	-7.70	113.62	124.40
1	2Y	147	ARG	CD-NE-CZ	-7.70	113.62	124.40
4	29	27	PHE	CA-CB-CG	7.70	121.50	113.80
4	3H	27	PHE	CA-CB-CG	7.70	121.50	113.80
4	4D	27	PHE	CA-CB-CG	7.70	121.50	113.80
4	4P	27	PHE	CA-CB-CG	7.70	121.50	113.80
4	4X	27	PHE	CA-CB-CG	7.70	121.50	113.80
1	42	147	ARG	CD-NE-CZ	-7.70	113.62	124.40
1	46	147	ARG	CD-NE-CZ	-7.70	113.62	124.40
1	5A	147	ARG	CD-NE-CZ	-7.70	113.62	124.40
4	5T	27	PHE	CA-CB-CG	7.70	121.50	113.80
1	52	147	ARG	CD-NE-CZ	-7.70	113.62	124.40
1	56	147	ARG	CD-NE-CZ	-7.70	113.62	124.40
1	6A	147	ARG	CD-NE-CZ	-7.70	113.62	124.40
4	6L	27	PHE	CA-CB-CG	7.70	121.50	113.80
4	6T	27	PHE	CA-CB-CG	7.70	121.50	113.80
4	7P	27	PHE	CA-CB-CG	7.70	121.50	113.80
1	1E	180	VAL	CA-CB-CG2	-7.69	97.32	110.40
1	1M	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	2I	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	2M	180	VAL	CA-CB-CG2	-7.69	97.32	110.40
1	22	180	VAL	CA-CB-CG2	-7.69	97.32	110.40
1	3A	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	3I	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	3M	180	VAL	CA-CB-CG2	-7.69	97.32	110.40
1	32	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	36	180	VAL	CA-CB-CG2	-7.69	97.32	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	4I	180	VAL	CA-CB-CG2	-7.69	97.32	110.40
1	4Q	180	VAL	CA-CB-CG2	-7.69	97.32	110.40
1	4Y	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	5U	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	5Y	180	VAL	CA-CB-CG2	-7.69	97.32	110.40
1	6E	180	VAL	CA-CB-CG2	-7.69	97.32	110.40
1	6M	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	6U	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	6Y	180	VAL	CA-CB-CG2	-7.69	97.32	110.40
1	7E	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	7I	180	VAL	CA-CB-CG2	-7.69	97.32	110.40
1	7Q	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	7U	180	VAL	CA-CB-CG2	-7.69	97.32	110.40
1	1A	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	1I	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	2E	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	26	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	3E	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	4A	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	4M	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	4U	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	5Q	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	6I	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	6Q	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	7M	147	ARG	CD-NE-CZ	-7.69	113.63	124.40
1	12	147	ARG	CD-NE-CZ	-7.68	113.65	124.40
1	16	147	ARG	CD-NE-CZ	-7.68	113.65	124.40
1	2A	147	ARG	CD-NE-CZ	-7.68	113.65	124.40
1	3Q	147	ARG	CD-NE-CZ	-7.68	113.65	124.40
1	3U	147	ARG	CD-NE-CZ	-7.68	113.65	124.40
1	3Y	147	ARG	CD-NE-CZ	-7.68	113.65	124.40
1	5E	147	ARG	CD-NE-CZ	-7.68	113.65	124.40
1	5I	147	ARG	CD-NE-CZ	-7.68	113.65	124.40
1	5M	147	ARG	CD-NE-CZ	-7.68	113.65	124.40
1	62	147	ARG	CD-NE-CZ	-7.68	113.65	124.40
1	66	147	ARG	CD-NE-CZ	-7.68	113.65	124.40
1	7A	147	ARG	CD-NE-CZ	-7.68	113.65	124.40
1	1Q	38	PRO	N-CA-CB	-7.65	95.22	103.25
1	1U	38	PRO	N-CA-CB	-7.65	95.22	103.25
1	1Y	38	PRO	N-CA-CB	-7.65	95.22	103.25
2	13	222	GLN	N-CA-CB	-7.65	99.17	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	17	222	GLN	N-CA-CB	-7.65	99.17	110.49
2	2B	222	GLN	N-CA-CB	-7.65	99.17	110.49
1	2Q	38	PRO	N-CA-CB	-7.65	95.22	103.25
1	2U	38	PRO	N-CA-CB	-7.65	95.22	103.25
1	2Y	38	PRO	N-CA-CB	-7.65	95.22	103.25
2	3R	222	GLN	N-CA-CB	-7.65	99.17	110.49
2	3V	222	GLN	N-CA-CB	-7.65	99.17	110.49
2	3Z	222	GLN	N-CA-CB	-7.65	99.17	110.49
1	42	38	PRO	N-CA-CB	-7.65	95.22	103.25
1	46	38	PRO	N-CA-CB	-7.65	95.22	103.25
1	5A	38	PRO	N-CA-CB	-7.65	95.22	103.25
2	5F	222	GLN	N-CA-CB	-7.65	99.17	110.49
2	5J	222	GLN	N-CA-CB	-7.65	99.17	110.49
2	5N	222	GLN	N-CA-CB	-7.65	99.17	110.49
1	52	38	PRO	N-CA-CB	-7.65	95.22	103.25
1	56	38	PRO	N-CA-CB	-7.65	95.22	103.25
1	6A	38	PRO	N-CA-CB	-7.65	95.22	103.25
2	63	222	GLN	N-CA-CB	-7.65	99.17	110.49
2	67	222	GLN	N-CA-CB	-7.65	99.17	110.49
2	7B	222	GLN	N-CA-CB	-7.65	99.17	110.49
2	1R	33	PRO	CB-CA-C	-7.65	98.94	111.56
2	1V	33	PRO	CB-CA-C	-7.65	98.94	111.56
2	1Z	33	PRO	CB-CA-C	-7.65	98.94	111.56
2	2R	33	PRO	CB-CA-C	-7.65	98.94	111.56
2	2V	33	PRO	CB-CA-C	-7.65	98.94	111.56
2	2Z	33	PRO	CB-CA-C	-7.65	98.94	111.56
2	43	33	PRO	CB-CA-C	-7.65	98.94	111.56
2	47	33	PRO	CB-CA-C	-7.65	98.94	111.56
2	5B	33	PRO	CB-CA-C	-7.65	98.94	111.56
2	53	33	PRO	CB-CA-C	-7.65	98.94	111.56
2	57	33	PRO	CB-CA-C	-7.65	98.94	111.56
2	6B	33	PRO	CB-CA-C	-7.65	98.94	111.56
2	1F	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	1N	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	2J	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	2N	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	23	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	3B	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	3J	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	3N	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	33	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	37	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	4J	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	4R	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	4Z	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	5V	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	5Z	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	6F	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	6N	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	6V	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	6Z	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	7F	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	7J	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	7R	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	7V	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	1R	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	1V	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	1Z	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	2R	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	2V	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	2Z	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	43	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	47	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	5B	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	53	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	57	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	6B	227	TYR	CD1-CE1-CZ	-7.64	105.84	119.60
2	1B	222	GLN	N-CA-CB	-7.64	99.18	110.49
2	1J	222	GLN	N-CA-CB	-7.64	99.18	110.49
2	2F	222	GLN	N-CA-CB	-7.64	99.18	110.49
2	27	222	GLN	N-CA-CB	-7.64	99.18	110.49
2	3F	222	GLN	N-CA-CB	-7.64	99.18	110.49
2	4B	222	GLN	N-CA-CB	-7.64	99.18	110.49
2	4N	222	GLN	N-CA-CB	-7.64	99.18	110.49
2	4V	222	GLN	N-CA-CB	-7.64	99.18	110.49
2	5R	222	GLN	N-CA-CB	-7.64	99.18	110.49
2	6J	222	GLN	N-CA-CB	-7.64	99.18	110.49
2	6R	222	GLN	N-CA-CB	-7.64	99.18	110.49
2	7N	222	GLN	N-CA-CB	-7.64	99.18	110.49
2	1B	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
2	1J	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
1	12	38	PRO	N-CA-CB	-7.64	95.23	103.25
2	13	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16	38	PRO	N-CA-CB	-7.64	95.23	103.25
2	17	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
1	2A	38	PRO	N-CA-CB	-7.64	95.23	103.25
2	2B	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
2	2F	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
2	27	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
2	3F	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
1	3Q	38	PRO	N-CA-CB	-7.64	95.23	103.25
2	3R	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
1	3U	38	PRO	N-CA-CB	-7.64	95.23	103.25
2	3V	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
1	3Y	38	PRO	N-CA-CB	-7.64	95.23	103.25
2	3Z	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
2	4B	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
2	4N	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
2	4V	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
1	5E	38	PRO	N-CA-CB	-7.64	95.23	103.25
2	5F	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
1	5I	38	PRO	N-CA-CB	-7.64	95.23	103.25
2	5J	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
1	5M	38	PRO	N-CA-CB	-7.64	95.23	103.25
2	5N	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
2	5R	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
2	6J	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
2	6R	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
1	62	38	PRO	N-CA-CB	-7.64	95.23	103.25
2	63	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
1	66	38	PRO	N-CA-CB	-7.64	95.23	103.25
2	67	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
1	7A	38	PRO	N-CA-CB	-7.64	95.23	103.25
2	7B	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
2	7N	227	TYR	CD1-CE1-CZ	-7.64	105.85	119.60
2	1N	64	HIS	CA-CB-CG	7.64	121.44	113.80
2	2J	64	HIS	CA-CB-CG	7.64	121.44	113.80
2	3B	64	HIS	CA-CB-CG	7.64	121.44	113.80
2	3J	64	HIS	CA-CB-CG	7.64	121.44	113.80
2	33	64	HIS	CA-CB-CG	7.64	121.44	113.80
2	4F	64	HIS	CA-CB-CG	7.64	121.44	113.80
2	4Z	64	HIS	CA-CB-CG	7.64	121.44	113.80
2	5V	64	HIS	CA-CB-CG	7.64	121.44	113.80
2	6N	64	HIS	CA-CB-CG	7.64	121.44	113.80
2	6V	64	HIS	CA-CB-CG	7.64	121.44	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	64	HIS	CA-CB-CG	7.64	121.44	113.80
2	7R	64	HIS	CA-CB-CG	7.64	121.44	113.80
1	1Q	168	GLN	CA-C-N	7.63	132.61	122.30
1	1Q	168	GLN	C-N-CA	7.63	132.61	122.30
1	1U	168	GLN	CA-C-N	7.63	132.61	122.30
1	1U	168	GLN	C-N-CA	7.63	132.61	122.30
1	1Y	168	GLN	CA-C-N	7.63	132.61	122.30
1	1Y	168	GLN	C-N-CA	7.63	132.61	122.30
1	2Q	168	GLN	CA-C-N	7.63	132.61	122.30
1	2Q	168	GLN	C-N-CA	7.63	132.61	122.30
1	2U	168	GLN	CA-C-N	7.63	132.61	122.30
1	2U	168	GLN	C-N-CA	7.63	132.61	122.30
1	2Y	168	GLN	CA-C-N	7.63	132.61	122.30
1	2Y	168	GLN	C-N-CA	7.63	132.61	122.30
1	42	168	GLN	CA-C-N	7.63	132.61	122.30
1	42	168	GLN	C-N-CA	7.63	132.61	122.30
1	46	168	GLN	CA-C-N	7.63	132.61	122.30
1	46	168	GLN	C-N-CA	7.63	132.61	122.30
1	5A	168	GLN	CA-C-N	7.63	132.61	122.30
1	5A	168	GLN	C-N-CA	7.63	132.61	122.30
1	52	168	GLN	CA-C-N	7.63	132.61	122.30
1	52	168	GLN	C-N-CA	7.63	132.61	122.30
1	56	168	GLN	CA-C-N	7.63	132.61	122.30
1	56	168	GLN	C-N-CA	7.63	132.61	122.30
1	6A	168	GLN	CA-C-N	7.63	132.61	122.30
1	6A	168	GLN	C-N-CA	7.63	132.61	122.30
2	1N	222	GLN	N-CA-CB	-7.63	99.20	110.49
2	2J	222	GLN	N-CA-CB	-7.63	99.20	110.49
2	3B	222	GLN	N-CA-CB	-7.63	99.20	110.49
2	3J	222	GLN	N-CA-CB	-7.63	99.20	110.49
2	33	222	GLN	N-CA-CB	-7.63	99.20	110.49
2	4F	222	GLN	N-CA-CB	-7.63	99.20	110.49
2	4Z	222	GLN	N-CA-CB	-7.63	99.20	110.49
2	5V	222	GLN	N-CA-CB	-7.63	99.20	110.49
2	6N	222	GLN	N-CA-CB	-7.63	99.20	110.49
2	6V	222	GLN	N-CA-CB	-7.63	99.20	110.49
2	7F	222	GLN	N-CA-CB	-7.63	99.20	110.49
2	7R	222	GLN	N-CA-CB	-7.63	99.20	110.49
2	1F	33	PRO	CB-CA-C	-7.63	98.98	111.56
2	2N	33	PRO	CB-CA-C	-7.63	98.98	111.56
2	23	33	PRO	CB-CA-C	-7.63	98.98	111.56
2	3N	33	PRO	CB-CA-C	-7.63	98.98	111.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	33	PRO	CB-CA-C	-7.63	98.98	111.56
2	4J	33	PRO	CB-CA-C	-7.63	98.98	111.56
2	4R	33	PRO	CB-CA-C	-7.63	98.98	111.56
2	5Z	33	PRO	CB-CA-C	-7.63	98.98	111.56
2	6F	33	PRO	CB-CA-C	-7.63	98.98	111.56
2	6Z	33	PRO	CB-CA-C	-7.63	98.98	111.56
2	7J	33	PRO	CB-CA-C	-7.63	98.98	111.56
2	7V	33	PRO	CB-CA-C	-7.63	98.98	111.56
2	1R	222	GLN	N-CA-CB	-7.62	99.20	110.49
2	1V	222	GLN	N-CA-CB	-7.62	99.20	110.49
2	1Z	222	GLN	N-CA-CB	-7.62	99.20	110.49
2	2R	222	GLN	N-CA-CB	-7.62	99.20	110.49
2	2V	222	GLN	N-CA-CB	-7.62	99.20	110.49
2	2Z	222	GLN	N-CA-CB	-7.62	99.20	110.49
2	43	222	GLN	N-CA-CB	-7.62	99.20	110.49
2	47	222	GLN	N-CA-CB	-7.62	99.20	110.49
2	5B	222	GLN	N-CA-CB	-7.62	99.20	110.49
2	53	222	GLN	N-CA-CB	-7.62	99.20	110.49
2	57	222	GLN	N-CA-CB	-7.62	99.20	110.49
2	6B	222	GLN	N-CA-CB	-7.62	99.20	110.49
2	1F	222	GLN	N-CA-CB	-7.62	99.21	110.49
2	13	64	HIS	CA-CB-CG	7.62	121.42	113.80
2	17	64	HIS	CA-CB-CG	7.62	121.42	113.80
2	2B	64	HIS	CA-CB-CG	7.62	121.42	113.80
2	2N	222	GLN	N-CA-CB	-7.62	99.21	110.49
2	23	222	GLN	N-CA-CB	-7.62	99.21	110.49
2	3N	222	GLN	N-CA-CB	-7.62	99.21	110.49
2	3R	64	HIS	CA-CB-CG	7.62	121.42	113.80
2	3V	64	HIS	CA-CB-CG	7.62	121.42	113.80
2	3Z	64	HIS	CA-CB-CG	7.62	121.42	113.80
2	37	222	GLN	N-CA-CB	-7.62	99.21	110.49
2	4J	222	GLN	N-CA-CB	-7.62	99.21	110.49
2	4R	222	GLN	N-CA-CB	-7.62	99.21	110.49
2	5F	64	HIS	CA-CB-CG	7.62	121.42	113.80
2	5J	64	HIS	CA-CB-CG	7.62	121.42	113.80
2	5N	64	HIS	CA-CB-CG	7.62	121.42	113.80
2	5Z	222	GLN	N-CA-CB	-7.62	99.21	110.49
2	6F	222	GLN	N-CA-CB	-7.62	99.21	110.49
2	6Z	222	GLN	N-CA-CB	-7.62	99.21	110.49
2	63	64	HIS	CA-CB-CG	7.62	121.42	113.80
2	67	64	HIS	CA-CB-CG	7.62	121.42	113.80
2	7B	64	HIS	CA-CB-CG	7.62	121.42	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	222	GLN	N-CA-CB	-7.62	99.21	110.49
2	7V	222	GLN	N-CA-CB	-7.62	99.21	110.49
2	13	33	PRO	CB-CA-C	-7.62	98.99	111.56
2	17	33	PRO	CB-CA-C	-7.62	98.99	111.56
2	2B	33	PRO	CB-CA-C	-7.62	98.99	111.56
2	3R	33	PRO	CB-CA-C	-7.62	98.99	111.56
2	3V	33	PRO	CB-CA-C	-7.62	98.99	111.56
2	3Z	33	PRO	CB-CA-C	-7.62	98.99	111.56
2	5F	33	PRO	CB-CA-C	-7.62	98.99	111.56
2	5J	33	PRO	CB-CA-C	-7.62	98.99	111.56
2	5N	33	PRO	CB-CA-C	-7.62	98.99	111.56
2	63	33	PRO	CB-CA-C	-7.62	98.99	111.56
2	67	33	PRO	CB-CA-C	-7.62	98.99	111.56
2	7B	33	PRO	CB-CA-C	-7.62	98.99	111.56
2	1B	33	PRO	CB-CA-C	-7.62	98.99	111.56
2	1J	33	PRO	CB-CA-C	-7.62	98.99	111.56
1	1M	38	PRO	N-CA-CB	-7.62	95.25	103.25
2	2F	33	PRO	CB-CA-C	-7.62	98.99	111.56
1	2I	38	PRO	N-CA-CB	-7.62	95.25	103.25
2	27	33	PRO	CB-CA-C	-7.62	98.99	111.56
1	3A	38	PRO	N-CA-CB	-7.62	95.25	103.25
2	3F	33	PRO	CB-CA-C	-7.62	98.99	111.56
1	3I	38	PRO	N-CA-CB	-7.62	95.25	103.25
1	32	38	PRO	N-CA-CB	-7.62	95.25	103.25
2	4B	33	PRO	CB-CA-C	-7.62	98.99	111.56
1	4E	38	PRO	N-CA-CB	-7.62	95.25	103.25
2	4N	33	PRO	CB-CA-C	-7.62	98.99	111.56
2	4V	33	PRO	CB-CA-C	-7.62	98.99	111.56
1	4Y	38	PRO	N-CA-CB	-7.62	95.25	103.25
2	5R	33	PRO	CB-CA-C	-7.62	98.99	111.56
1	5U	38	PRO	N-CA-CB	-7.62	95.25	103.25
2	6J	33	PRO	CB-CA-C	-7.62	98.99	111.56
1	6M	38	PRO	N-CA-CB	-7.62	95.25	103.25
2	6R	33	PRO	CB-CA-C	-7.62	98.99	111.56
1	6U	38	PRO	N-CA-CB	-7.62	95.25	103.25
1	7E	38	PRO	N-CA-CB	-7.62	95.25	103.25
2	7N	33	PRO	CB-CA-C	-7.62	98.99	111.56
1	7Q	38	PRO	N-CA-CB	-7.62	95.25	103.25
2	1N	33	PRO	CB-CA-C	-7.62	99.00	111.56
2	2J	33	PRO	CB-CA-C	-7.62	99.00	111.56
2	3B	33	PRO	CB-CA-C	-7.62	99.00	111.56
2	3J	33	PRO	CB-CA-C	-7.62	99.00	111.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	33	PRO	CB-CA-C	-7.62	99.00	111.56
2	4F	33	PRO	CB-CA-C	-7.62	99.00	111.56
2	4Z	33	PRO	CB-CA-C	-7.62	99.00	111.56
2	5V	33	PRO	CB-CA-C	-7.62	99.00	111.56
2	6N	33	PRO	CB-CA-C	-7.62	99.00	111.56
2	6V	33	PRO	CB-CA-C	-7.62	99.00	111.56
2	7F	33	PRO	CB-CA-C	-7.62	99.00	111.56
2	7R	33	PRO	CB-CA-C	-7.62	99.00	111.56
1	1M	168	GLN	CA-C-N	7.61	132.58	122.30
1	1M	168	GLN	C-N-CA	7.61	132.58	122.30
1	1M	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	2I	168	GLN	CA-C-N	7.61	132.58	122.30
1	2I	168	GLN	C-N-CA	7.61	132.58	122.30
1	2I	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	3A	168	GLN	CA-C-N	7.61	132.58	122.30
1	3A	168	GLN	C-N-CA	7.61	132.58	122.30
1	3A	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	3I	168	GLN	CA-C-N	7.61	132.58	122.30
1	3I	168	GLN	C-N-CA	7.61	132.58	122.30
1	3I	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	32	168	GLN	CA-C-N	7.61	132.58	122.30
1	32	168	GLN	C-N-CA	7.61	132.58	122.30
1	32	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	4E	168	GLN	CA-C-N	7.61	132.58	122.30
1	4E	168	GLN	C-N-CA	7.61	132.58	122.30
1	4E	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	4Y	168	GLN	CA-C-N	7.61	132.58	122.30
1	4Y	168	GLN	C-N-CA	7.61	132.58	122.30
1	4Y	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	5U	168	GLN	CA-C-N	7.61	132.58	122.30
1	5U	168	GLN	C-N-CA	7.61	132.58	122.30
1	5U	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	6M	168	GLN	CA-C-N	7.61	132.58	122.30
1	6M	168	GLN	C-N-CA	7.61	132.58	122.30
1	6M	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	6U	168	GLN	CA-C-N	7.61	132.58	122.30
1	6U	168	GLN	C-N-CA	7.61	132.58	122.30
1	6U	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	7E	168	GLN	CA-C-N	7.61	132.58	122.30
1	7E	168	GLN	C-N-CA	7.61	132.58	122.30
1	7E	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	7Q	168	GLN	CA-C-N	7.61	132.58	122.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	168	GLN	C-N-CA	7.61	132.58	122.30
1	7Q	171	ARG	CB-CA-C	-7.61	96.55	109.72
2	1R	64	HIS	CA-CB-CG	7.61	121.41	113.80
2	1V	64	HIS	CA-CB-CG	7.61	121.41	113.80
2	1Z	64	HIS	CA-CB-CG	7.61	121.41	113.80
2	2R	64	HIS	CA-CB-CG	7.61	121.41	113.80
2	2V	64	HIS	CA-CB-CG	7.61	121.41	113.80
2	2Z	64	HIS	CA-CB-CG	7.61	121.41	113.80
2	43	64	HIS	CA-CB-CG	7.61	121.41	113.80
2	47	64	HIS	CA-CB-CG	7.61	121.41	113.80
2	5B	64	HIS	CA-CB-CG	7.61	121.41	113.80
2	53	64	HIS	CA-CB-CG	7.61	121.41	113.80
2	57	64	HIS	CA-CB-CG	7.61	121.41	113.80
2	6B	64	HIS	CA-CB-CG	7.61	121.41	113.80
1	1E	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	2M	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	22	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	3M	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	36	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	4I	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	4Q	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	5Y	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	6E	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	6Y	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	7I	171	ARG	CB-CA-C	-7.61	96.55	109.72
1	7U	171	ARG	CB-CA-C	-7.61	96.55	109.72
2	1N	8	VAL	N-CA-C	7.61	125.17	109.34
2	2J	8	VAL	N-CA-C	7.61	125.17	109.34
2	3B	8	VAL	N-CA-C	7.61	125.17	109.34
2	3J	8	VAL	N-CA-C	7.61	125.17	109.34
2	33	8	VAL	N-CA-C	7.61	125.17	109.34
2	4F	8	VAL	N-CA-C	7.61	125.17	109.34
2	4Z	8	VAL	N-CA-C	7.61	125.17	109.34
2	5V	8	VAL	N-CA-C	7.61	125.17	109.34
2	6N	8	VAL	N-CA-C	7.61	125.17	109.34
2	6V	8	VAL	N-CA-C	7.61	125.17	109.34
2	7F	8	VAL	N-CA-C	7.61	125.17	109.34
2	7R	8	VAL	N-CA-C	7.61	125.17	109.34
2	1B	64	HIS	CA-CB-CG	7.60	121.40	113.80
2	1J	64	HIS	CA-CB-CG	7.60	121.40	113.80
2	2F	64	HIS	CA-CB-CG	7.60	121.40	113.80
2	27	64	HIS	CA-CB-CG	7.60	121.40	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	64	HIS	CA-CB-CG	7.60	121.40	113.80
2	4B	64	HIS	CA-CB-CG	7.60	121.40	113.80
2	4N	64	HIS	CA-CB-CG	7.60	121.40	113.80
2	4V	64	HIS	CA-CB-CG	7.60	121.40	113.80
2	5R	64	HIS	CA-CB-CG	7.60	121.40	113.80
2	6J	64	HIS	CA-CB-CG	7.60	121.40	113.80
2	6R	64	HIS	CA-CB-CG	7.60	121.40	113.80
2	7N	64	HIS	CA-CB-CG	7.60	121.40	113.80
1	1A	38	PRO	N-CA-CB	-7.60	95.27	103.25
2	1B	8	VAL	N-CA-C	7.60	125.15	109.34
1	1E	38	PRO	N-CA-CB	-7.60	95.27	103.25
1	1E	168	GLN	CA-C-N	7.60	132.56	122.30
1	1E	168	GLN	C-N-CA	7.60	132.56	122.30
1	1I	38	PRO	N-CA-CB	-7.60	95.27	103.25
2	1J	8	VAL	N-CA-C	7.60	125.15	109.34
1	1Q	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	1U	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	1Y	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	2E	38	PRO	N-CA-CB	-7.60	95.27	103.25
2	2F	8	VAL	N-CA-C	7.60	125.15	109.34
1	2M	38	PRO	N-CA-CB	-7.60	95.27	103.25
1	2M	168	GLN	CA-C-N	7.60	132.56	122.30
1	2M	168	GLN	C-N-CA	7.60	132.56	122.30
1	2Q	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	2U	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	2Y	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	22	38	PRO	N-CA-CB	-7.60	95.27	103.25
1	22	168	GLN	CA-C-N	7.60	132.56	122.30
1	22	168	GLN	C-N-CA	7.60	132.56	122.30
1	26	38	PRO	N-CA-CB	-7.60	95.27	103.25
2	27	8	VAL	N-CA-C	7.60	125.15	109.34
1	3E	38	PRO	N-CA-CB	-7.60	95.27	103.25
2	3F	8	VAL	N-CA-C	7.60	125.15	109.34
1	3M	38	PRO	N-CA-CB	-7.60	95.27	103.25
1	3M	168	GLN	CA-C-N	7.60	132.56	122.30
1	3M	168	GLN	C-N-CA	7.60	132.56	122.30
1	36	38	PRO	N-CA-CB	-7.60	95.27	103.25
1	36	168	GLN	CA-C-N	7.60	132.56	122.30
1	36	168	GLN	C-N-CA	7.60	132.56	122.30
1	4A	38	PRO	N-CA-CB	-7.60	95.27	103.25
2	4B	8	VAL	N-CA-C	7.60	125.15	109.34
1	4I	38	PRO	N-CA-CB	-7.60	95.27	103.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4I	168	GLN	CA-C-N	7.60	132.56	122.30
1	4I	168	GLN	C-N-CA	7.60	132.56	122.30
1	4M	38	PRO	N-CA-CB	-7.60	95.27	103.25
2	4N	8	VAL	N-CA-C	7.60	125.15	109.34
1	4Q	38	PRO	N-CA-CB	-7.60	95.27	103.25
1	4Q	168	GLN	CA-C-N	7.60	132.56	122.30
1	4Q	168	GLN	C-N-CA	7.60	132.56	122.30
1	4U	38	PRO	N-CA-CB	-7.60	95.27	103.25
2	4V	8	VAL	N-CA-C	7.60	125.15	109.34
1	42	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	46	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	5A	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	5Q	38	PRO	N-CA-CB	-7.60	95.27	103.25
2	5R	8	VAL	N-CA-C	7.60	125.15	109.34
1	5Y	38	PRO	N-CA-CB	-7.60	95.27	103.25
1	5Y	168	GLN	CA-C-N	7.60	132.56	122.30
1	5Y	168	GLN	C-N-CA	7.60	132.56	122.30
1	52	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	56	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	6A	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	6E	38	PRO	N-CA-CB	-7.60	95.27	103.25
1	6E	168	GLN	CA-C-N	7.60	132.56	122.30
1	6E	168	GLN	C-N-CA	7.60	132.56	122.30
1	6I	38	PRO	N-CA-CB	-7.60	95.27	103.25
2	6J	8	VAL	N-CA-C	7.60	125.15	109.34
1	6Q	38	PRO	N-CA-CB	-7.60	95.27	103.25
2	6R	8	VAL	N-CA-C	7.60	125.15	109.34
1	6Y	38	PRO	N-CA-CB	-7.60	95.27	103.25
1	6Y	168	GLN	CA-C-N	7.60	132.56	122.30
1	6Y	168	GLN	C-N-CA	7.60	132.56	122.30
1	7I	38	PRO	N-CA-CB	-7.60	95.27	103.25
1	7I	168	GLN	CA-C-N	7.60	132.56	122.30
1	7I	168	GLN	C-N-CA	7.60	132.56	122.30
1	7M	38	PRO	N-CA-CB	-7.60	95.27	103.25
2	7N	8	VAL	N-CA-C	7.60	125.15	109.34
1	7U	38	PRO	N-CA-CB	-7.60	95.27	103.25
1	7U	168	GLN	CA-C-N	7.60	132.56	122.30
1	7U	168	GLN	C-N-CA	7.60	132.56	122.30
1	1A	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	1I	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	1M	156	SER	CA-C-O	-7.60	109.64	120.51
1	2E	171	ARG	CB-CA-C	-7.60	96.57	109.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	156	SER	CA-C-O	-7.60	109.64	120.51
1	26	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	3A	156	SER	CA-C-O	-7.60	109.64	120.51
1	3E	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	3I	156	SER	CA-C-O	-7.60	109.64	120.51
1	32	156	SER	CA-C-O	-7.60	109.64	120.51
1	4A	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	4E	156	SER	CA-C-O	-7.60	109.64	120.51
1	4M	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	4U	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	4Y	156	SER	CA-C-O	-7.60	109.64	120.51
1	5Q	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	5U	156	SER	CA-C-O	-7.60	109.64	120.51
1	6I	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	6M	156	SER	CA-C-O	-7.60	109.64	120.51
1	6Q	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	6U	156	SER	CA-C-O	-7.60	109.64	120.51
1	7E	156	SER	CA-C-O	-7.60	109.64	120.51
1	7M	171	ARG	CB-CA-C	-7.60	96.57	109.72
1	7Q	156	SER	CA-C-O	-7.60	109.64	120.51
2	1B	219	VAL	CA-CB-CG2	7.60	123.32	110.40
2	1J	219	VAL	CA-CB-CG2	7.60	123.32	110.40
2	1R	8	VAL	N-CA-C	7.60	125.14	109.34
2	1V	8	VAL	N-CA-C	7.60	125.14	109.34
2	1Z	8	VAL	N-CA-C	7.60	125.14	109.34
1	12	171	ARG	CB-CA-C	-7.60	96.58	109.72
2	13	8	VAL	N-CA-C	7.60	125.14	109.34
1	16	171	ARG	CB-CA-C	-7.60	96.58	109.72
2	17	8	VAL	N-CA-C	7.60	125.14	109.34
1	2A	171	ARG	CB-CA-C	-7.60	96.58	109.72
2	2B	8	VAL	N-CA-C	7.60	125.14	109.34
2	2F	219	VAL	CA-CB-CG2	7.60	123.32	110.40
2	2R	8	VAL	N-CA-C	7.60	125.14	109.34
2	2V	8	VAL	N-CA-C	7.60	125.14	109.34
2	2Z	8	VAL	N-CA-C	7.60	125.14	109.34
2	27	219	VAL	CA-CB-CG2	7.60	123.32	110.40
2	3F	219	VAL	CA-CB-CG2	7.60	123.32	110.40
1	3Q	171	ARG	CB-CA-C	-7.60	96.58	109.72
2	3R	8	VAL	N-CA-C	7.60	125.14	109.34
1	3U	171	ARG	CB-CA-C	-7.60	96.58	109.72
2	3V	8	VAL	N-CA-C	7.60	125.14	109.34
1	3Y	171	ARG	CB-CA-C	-7.60	96.58	109.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3Z	8	VAL	N-CA-C	7.60	125.14	109.34
2	4B	219	VAL	CA-CB-CG2	7.60	123.32	110.40
2	4N	219	VAL	CA-CB-CG2	7.60	123.32	110.40
2	4V	219	VAL	CA-CB-CG2	7.60	123.32	110.40
2	43	8	VAL	N-CA-C	7.60	125.14	109.34
2	47	8	VAL	N-CA-C	7.60	125.14	109.34
2	5B	8	VAL	N-CA-C	7.60	125.14	109.34
1	5E	171	ARG	CB-CA-C	-7.60	96.58	109.72
2	5F	8	VAL	N-CA-C	7.60	125.14	109.34
1	5I	171	ARG	CB-CA-C	-7.60	96.58	109.72
2	5J	8	VAL	N-CA-C	7.60	125.14	109.34
1	5M	171	ARG	CB-CA-C	-7.60	96.58	109.72
2	5N	8	VAL	N-CA-C	7.60	125.14	109.34
2	5R	219	VAL	CA-CB-CG2	7.60	123.32	110.40
2	53	8	VAL	N-CA-C	7.60	125.14	109.34
2	57	8	VAL	N-CA-C	7.60	125.14	109.34
2	6B	8	VAL	N-CA-C	7.60	125.14	109.34
2	6J	219	VAL	CA-CB-CG2	7.60	123.32	110.40
2	6R	219	VAL	CA-CB-CG2	7.60	123.32	110.40
1	62	171	ARG	CB-CA-C	-7.60	96.58	109.72
2	63	8	VAL	N-CA-C	7.60	125.14	109.34
1	66	171	ARG	CB-CA-C	-7.60	96.58	109.72
2	67	8	VAL	N-CA-C	7.60	125.14	109.34
1	7A	171	ARG	CB-CA-C	-7.60	96.58	109.72
2	7B	8	VAL	N-CA-C	7.60	125.14	109.34
2	7N	219	VAL	CA-CB-CG2	7.60	123.32	110.40
2	1F	8	VAL	N-CA-C	7.59	125.14	109.34
2	2N	8	VAL	N-CA-C	7.59	125.14	109.34
2	23	8	VAL	N-CA-C	7.59	125.14	109.34
2	3N	8	VAL	N-CA-C	7.59	125.14	109.34
2	37	8	VAL	N-CA-C	7.59	125.14	109.34
2	4J	8	VAL	N-CA-C	7.59	125.14	109.34
2	4R	8	VAL	N-CA-C	7.59	125.14	109.34
2	5Z	8	VAL	N-CA-C	7.59	125.14	109.34
2	6F	8	VAL	N-CA-C	7.59	125.14	109.34
2	6Z	8	VAL	N-CA-C	7.59	125.14	109.34
2	7J	8	VAL	N-CA-C	7.59	125.14	109.34
2	7V	8	VAL	N-CA-C	7.59	125.14	109.34
1	1A	168	GLN	CA-C-N	7.59	132.55	122.30
1	1A	168	GLN	C-N-CA	7.59	132.55	122.30
1	1I	168	GLN	CA-C-N	7.59	132.55	122.30
1	1I	168	GLN	C-N-CA	7.59	132.55	122.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1M	36	THR	CA-C-N	-7.59	110.11	122.26
1	1M	36	THR	C-N-CA	-7.59	110.11	122.26
1	1M	67	GLY	CA-C-N	7.59	135.57	122.82
1	1M	67	GLY	C-N-CA	7.59	135.57	122.82
1	2E	168	GLN	CA-C-N	7.59	132.55	122.30
1	2E	168	GLN	C-N-CA	7.59	132.55	122.30
1	2I	36	THR	CA-C-N	-7.59	110.11	122.26
1	2I	36	THR	C-N-CA	-7.59	110.11	122.26
1	2I	67	GLY	CA-C-N	7.59	135.57	122.82
1	2I	67	GLY	C-N-CA	7.59	135.57	122.82
1	26	168	GLN	CA-C-N	7.59	132.55	122.30
1	26	168	GLN	C-N-CA	7.59	132.55	122.30
1	3A	36	THR	CA-C-N	-7.59	110.11	122.26
1	3A	36	THR	C-N-CA	-7.59	110.11	122.26
1	3A	67	GLY	CA-C-N	7.59	135.57	122.82
1	3A	67	GLY	C-N-CA	7.59	135.57	122.82
1	3E	168	GLN	CA-C-N	7.59	132.55	122.30
1	3E	168	GLN	C-N-CA	7.59	132.55	122.30
1	3I	36	THR	CA-C-N	-7.59	110.11	122.26
1	3I	36	THR	C-N-CA	-7.59	110.11	122.26
1	3I	67	GLY	CA-C-N	7.59	135.57	122.82
1	3I	67	GLY	C-N-CA	7.59	135.57	122.82
1	32	36	THR	CA-C-N	-7.59	110.11	122.26
1	32	36	THR	C-N-CA	-7.59	110.11	122.26
1	32	67	GLY	CA-C-N	7.59	135.57	122.82
1	32	67	GLY	C-N-CA	7.59	135.57	122.82
1	4A	168	GLN	CA-C-N	7.59	132.55	122.30
1	4A	168	GLN	C-N-CA	7.59	132.55	122.30
1	4E	36	THR	CA-C-N	-7.59	110.11	122.26
1	4E	36	THR	C-N-CA	-7.59	110.11	122.26
1	4E	67	GLY	CA-C-N	7.59	135.57	122.82
1	4E	67	GLY	C-N-CA	7.59	135.57	122.82
1	4M	168	GLN	CA-C-N	7.59	132.55	122.30
1	4M	168	GLN	C-N-CA	7.59	132.55	122.30
1	4U	168	GLN	CA-C-N	7.59	132.55	122.30
1	4U	168	GLN	C-N-CA	7.59	132.55	122.30
1	4Y	36	THR	CA-C-N	-7.59	110.11	122.26
1	4Y	36	THR	C-N-CA	-7.59	110.11	122.26
1	4Y	67	GLY	CA-C-N	7.59	135.57	122.82
1	4Y	67	GLY	C-N-CA	7.59	135.57	122.82
1	5Q	168	GLN	CA-C-N	7.59	132.55	122.30
1	5Q	168	GLN	C-N-CA	7.59	132.55	122.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5U	36	THR	CA-C-N	-7.59	110.11	122.26
1	5U	36	THR	C-N-CA	-7.59	110.11	122.26
1	5U	67	GLY	CA-C-N	7.59	135.57	122.82
1	5U	67	GLY	C-N-CA	7.59	135.57	122.82
1	6I	168	GLN	CA-C-N	7.59	132.55	122.30
1	6I	168	GLN	C-N-CA	7.59	132.55	122.30
1	6M	36	THR	CA-C-N	-7.59	110.11	122.26
1	6M	36	THR	C-N-CA	-7.59	110.11	122.26
1	6M	67	GLY	CA-C-N	7.59	135.57	122.82
1	6M	67	GLY	C-N-CA	7.59	135.57	122.82
1	6Q	168	GLN	CA-C-N	7.59	132.55	122.30
1	6Q	168	GLN	C-N-CA	7.59	132.55	122.30
1	6U	36	THR	CA-C-N	-7.59	110.11	122.26
1	6U	36	THR	C-N-CA	-7.59	110.11	122.26
1	6U	67	GLY	CA-C-N	7.59	135.57	122.82
1	6U	67	GLY	C-N-CA	7.59	135.57	122.82
1	7E	36	THR	CA-C-N	-7.59	110.11	122.26
1	7E	36	THR	C-N-CA	-7.59	110.11	122.26
1	7E	67	GLY	CA-C-N	7.59	135.57	122.82
1	7E	67	GLY	C-N-CA	7.59	135.57	122.82
1	7M	168	GLN	CA-C-N	7.59	132.55	122.30
1	7M	168	GLN	C-N-CA	7.59	132.55	122.30
1	7Q	36	THR	CA-C-N	-7.59	110.11	122.26
1	7Q	36	THR	C-N-CA	-7.59	110.11	122.26
1	7Q	67	GLY	CA-C-N	7.59	135.57	122.82
1	7Q	67	GLY	C-N-CA	7.59	135.57	122.82
1	1Q	36	THR	CA-C-N	-7.59	110.12	122.26
1	1Q	36	THR	C-N-CA	-7.59	110.12	122.26
1	1U	36	THR	CA-C-N	-7.59	110.12	122.26
1	1U	36	THR	C-N-CA	-7.59	110.12	122.26
1	1Y	36	THR	CA-C-N	-7.59	110.12	122.26
1	1Y	36	THR	C-N-CA	-7.59	110.12	122.26
1	12	9	PHE	CZ-CE2-CD2	7.59	133.66	120.00
1	16	9	PHE	CZ-CE2-CD2	7.59	133.66	120.00
1	2A	9	PHE	CZ-CE2-CD2	7.59	133.66	120.00
1	2Q	36	THR	CA-C-N	-7.59	110.12	122.26
1	2Q	36	THR	C-N-CA	-7.59	110.12	122.26
1	2U	36	THR	CA-C-N	-7.59	110.12	122.26
1	2U	36	THR	C-N-CA	-7.59	110.12	122.26
1	2Y	36	THR	CA-C-N	-7.59	110.12	122.26
1	2Y	36	THR	C-N-CA	-7.59	110.12	122.26
1	3Q	9	PHE	CZ-CE2-CD2	7.59	133.66	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	9	PHE	CZ-CE2-CD2	7.59	133.66	120.00
1	3Y	9	PHE	CZ-CE2-CD2	7.59	133.66	120.00
1	42	36	THR	CA-C-N	-7.59	110.12	122.26
1	42	36	THR	C-N-CA	-7.59	110.12	122.26
1	46	36	THR	CA-C-N	-7.59	110.12	122.26
1	46	36	THR	C-N-CA	-7.59	110.12	122.26
1	5A	36	THR	CA-C-N	-7.59	110.12	122.26
1	5A	36	THR	C-N-CA	-7.59	110.12	122.26
1	5E	9	PHE	CZ-CE2-CD2	7.59	133.66	120.00
1	5I	9	PHE	CZ-CE2-CD2	7.59	133.66	120.00
1	5M	9	PHE	CZ-CE2-CD2	7.59	133.66	120.00
1	52	36	THR	CA-C-N	-7.59	110.12	122.26
1	52	36	THR	C-N-CA	-7.59	110.12	122.26
1	56	36	THR	CA-C-N	-7.59	110.12	122.26
1	56	36	THR	C-N-CA	-7.59	110.12	122.26
1	6A	36	THR	CA-C-N	-7.59	110.12	122.26
1	6A	36	THR	C-N-CA	-7.59	110.12	122.26
1	62	9	PHE	CZ-CE2-CD2	7.59	133.66	120.00
1	66	9	PHE	CZ-CE2-CD2	7.59	133.66	120.00
1	7A	9	PHE	CZ-CE2-CD2	7.59	133.66	120.00
2	1R	16	ASN	N-CA-CB	-7.59	97.60	110.50
2	1V	16	ASN	N-CA-CB	-7.59	97.60	110.50
2	1Z	16	ASN	N-CA-CB	-7.59	97.60	110.50
2	2R	16	ASN	N-CA-CB	-7.59	97.60	110.50
2	2V	16	ASN	N-CA-CB	-7.59	97.60	110.50
2	2Z	16	ASN	N-CA-CB	-7.59	97.60	110.50
2	43	16	ASN	N-CA-CB	-7.59	97.60	110.50
2	47	16	ASN	N-CA-CB	-7.59	97.60	110.50
2	5B	16	ASN	N-CA-CB	-7.59	97.60	110.50
2	53	16	ASN	N-CA-CB	-7.59	97.60	110.50
2	57	16	ASN	N-CA-CB	-7.59	97.60	110.50
2	6B	16	ASN	N-CA-CB	-7.59	97.60	110.50
2	1R	219	VAL	CA-CB-CG2	7.58	123.30	110.40
2	1V	219	VAL	CA-CB-CG2	7.58	123.30	110.40
2	1Z	219	VAL	CA-CB-CG2	7.58	123.30	110.40
2	2R	219	VAL	CA-CB-CG2	7.58	123.30	110.40
2	2V	219	VAL	CA-CB-CG2	7.58	123.30	110.40
2	2Z	219	VAL	CA-CB-CG2	7.58	123.30	110.40
2	43	219	VAL	CA-CB-CG2	7.58	123.30	110.40
2	47	219	VAL	CA-CB-CG2	7.58	123.30	110.40
2	5B	219	VAL	CA-CB-CG2	7.58	123.30	110.40
2	53	219	VAL	CA-CB-CG2	7.58	123.30	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	219	VAL	CA-CB-CG2	7.58	123.30	110.40
2	6B	219	VAL	CA-CB-CG2	7.58	123.30	110.40
2	1F	16	ASN	N-CA-CB	-7.58	97.61	110.50
2	2N	16	ASN	N-CA-CB	-7.58	97.61	110.50
2	23	16	ASN	N-CA-CB	-7.58	97.61	110.50
2	3N	16	ASN	N-CA-CB	-7.58	97.61	110.50
2	37	16	ASN	N-CA-CB	-7.58	97.61	110.50
2	4J	16	ASN	N-CA-CB	-7.58	97.61	110.50
2	4R	16	ASN	N-CA-CB	-7.58	97.61	110.50
2	5Z	16	ASN	N-CA-CB	-7.58	97.61	110.50
2	6F	16	ASN	N-CA-CB	-7.58	97.61	110.50
2	6Z	16	ASN	N-CA-CB	-7.58	97.61	110.50
2	7J	16	ASN	N-CA-CB	-7.58	97.61	110.50
2	7V	16	ASN	N-CA-CB	-7.58	97.61	110.50
1	1E	36	THR	CA-C-N	-7.58	110.13	122.26
1	1E	36	THR	C-N-CA	-7.58	110.13	122.26
1	1M	9	PHE	CZ-CE2-CD2	7.58	133.65	120.00
1	12	67	GLY	CA-C-N	7.58	135.56	122.82
1	12	67	GLY	C-N-CA	7.58	135.56	122.82
1	16	67	GLY	CA-C-N	7.58	135.56	122.82
1	16	67	GLY	C-N-CA	7.58	135.56	122.82
1	2A	67	GLY	CA-C-N	7.58	135.56	122.82
1	2A	67	GLY	C-N-CA	7.58	135.56	122.82
1	2I	9	PHE	CZ-CE2-CD2	7.58	133.65	120.00
1	2M	36	THR	CA-C-N	-7.58	110.13	122.26
1	2M	36	THR	C-N-CA	-7.58	110.13	122.26
1	22	36	THR	CA-C-N	-7.58	110.13	122.26
1	22	36	THR	C-N-CA	-7.58	110.13	122.26
1	3A	9	PHE	CZ-CE2-CD2	7.58	133.65	120.00
1	3I	9	PHE	CZ-CE2-CD2	7.58	133.65	120.00
1	3M	36	THR	CA-C-N	-7.58	110.13	122.26
1	3M	36	THR	C-N-CA	-7.58	110.13	122.26
1	3Q	67	GLY	CA-C-N	7.58	135.56	122.82
1	3Q	67	GLY	C-N-CA	7.58	135.56	122.82
1	3U	67	GLY	CA-C-N	7.58	135.56	122.82
1	3U	67	GLY	C-N-CA	7.58	135.56	122.82
1	3Y	67	GLY	CA-C-N	7.58	135.56	122.82
1	3Y	67	GLY	C-N-CA	7.58	135.56	122.82
1	32	9	PHE	CZ-CE2-CD2	7.58	133.65	120.00
1	36	36	THR	CA-C-N	-7.58	110.13	122.26
1	36	36	THR	C-N-CA	-7.58	110.13	122.26
1	4E	9	PHE	CZ-CE2-CD2	7.58	133.65	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4I	36	THR	CA-C-N	-7.58	110.13	122.26
1	4I	36	THR	C-N-CA	-7.58	110.13	122.26
1	4Q	36	THR	CA-C-N	-7.58	110.13	122.26
1	4Q	36	THR	C-N-CA	-7.58	110.13	122.26
1	4Y	9	PHE	CZ-CE2-CD2	7.58	133.65	120.00
1	5E	67	GLY	CA-C-N	7.58	135.56	122.82
1	5E	67	GLY	C-N-CA	7.58	135.56	122.82
1	5I	67	GLY	CA-C-N	7.58	135.56	122.82
1	5I	67	GLY	C-N-CA	7.58	135.56	122.82
1	5M	67	GLY	CA-C-N	7.58	135.56	122.82
1	5M	67	GLY	C-N-CA	7.58	135.56	122.82
1	5U	9	PHE	CZ-CE2-CD2	7.58	133.65	120.00
1	5Y	36	THR	CA-C-N	-7.58	110.13	122.26
1	5Y	36	THR	C-N-CA	-7.58	110.13	122.26
1	6E	36	THR	CA-C-N	-7.58	110.13	122.26
1	6E	36	THR	C-N-CA	-7.58	110.13	122.26
1	6M	9	PHE	CZ-CE2-CD2	7.58	133.65	120.00
1	6U	9	PHE	CZ-CE2-CD2	7.58	133.65	120.00
1	6Y	36	THR	CA-C-N	-7.58	110.13	122.26
1	6Y	36	THR	C-N-CA	-7.58	110.13	122.26
1	62	67	GLY	CA-C-N	7.58	135.56	122.82
1	62	67	GLY	C-N-CA	7.58	135.56	122.82
1	66	67	GLY	CA-C-N	7.58	135.56	122.82
1	66	67	GLY	C-N-CA	7.58	135.56	122.82
1	7A	67	GLY	CA-C-N	7.58	135.56	122.82
1	7A	67	GLY	C-N-CA	7.58	135.56	122.82
1	7E	9	PHE	CZ-CE2-CD2	7.58	133.65	120.00
1	7I	36	THR	CA-C-N	-7.58	110.13	122.26
1	7I	36	THR	C-N-CA	-7.58	110.13	122.26
1	7Q	9	PHE	CZ-CE2-CD2	7.58	133.65	120.00
1	7U	36	THR	CA-C-N	-7.58	110.13	122.26
1	7U	36	THR	C-N-CA	-7.58	110.13	122.26
2	13	219	VAL	CA-CB-CG2	7.58	123.29	110.40
2	17	219	VAL	CA-CB-CG2	7.58	123.29	110.40
2	2B	219	VAL	CA-CB-CG2	7.58	123.29	110.40
2	3R	219	VAL	CA-CB-CG2	7.58	123.29	110.40
2	3V	219	VAL	CA-CB-CG2	7.58	123.29	110.40
2	3Z	219	VAL	CA-CB-CG2	7.58	123.29	110.40
2	5F	219	VAL	CA-CB-CG2	7.58	123.29	110.40
2	5J	219	VAL	CA-CB-CG2	7.58	123.29	110.40
2	5N	219	VAL	CA-CB-CG2	7.58	123.29	110.40
2	63	219	VAL	CA-CB-CG2	7.58	123.29	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	219	VAL	CA-CB-CG2	7.58	123.29	110.40
2	7B	219	VAL	CA-CB-CG2	7.58	123.29	110.40
1	1A	36	THR	CA-C-N	-7.58	110.14	122.26
1	1A	36	THR	C-N-CA	-7.58	110.14	122.26
1	1A	67	GLY	CA-C-N	7.58	135.55	122.82
1	1A	67	GLY	C-N-CA	7.58	135.55	122.82
1	1I	36	THR	CA-C-N	-7.58	110.14	122.26
1	1I	36	THR	C-N-CA	-7.58	110.14	122.26
1	1I	67	GLY	CA-C-N	7.58	135.55	122.82
1	1I	67	GLY	C-N-CA	7.58	135.55	122.82
1	12	156	SER	CA-C-O	-7.58	109.67	120.51
1	16	156	SER	CA-C-O	-7.58	109.67	120.51
1	2A	156	SER	CA-C-O	-7.58	109.67	120.51
1	2E	36	THR	CA-C-N	-7.58	110.14	122.26
1	2E	36	THR	C-N-CA	-7.58	110.14	122.26
1	2E	67	GLY	CA-C-N	7.58	135.55	122.82
1	2E	67	GLY	C-N-CA	7.58	135.55	122.82
1	26	36	THR	CA-C-N	-7.58	110.14	122.26
1	26	36	THR	C-N-CA	-7.58	110.14	122.26
1	26	67	GLY	CA-C-N	7.58	135.55	122.82
1	26	67	GLY	C-N-CA	7.58	135.55	122.82
1	3E	36	THR	CA-C-N	-7.58	110.14	122.26
1	3E	36	THR	C-N-CA	-7.58	110.14	122.26
1	3E	67	GLY	CA-C-N	7.58	135.55	122.82
1	3E	67	GLY	C-N-CA	7.58	135.55	122.82
1	3Q	156	SER	CA-C-O	-7.58	109.67	120.51
1	3U	156	SER	CA-C-O	-7.58	109.67	120.51
1	3Y	156	SER	CA-C-O	-7.58	109.67	120.51
1	4A	36	THR	CA-C-N	-7.58	110.14	122.26
1	4A	36	THR	C-N-CA	-7.58	110.14	122.26
1	4A	67	GLY	CA-C-N	7.58	135.55	122.82
1	4A	67	GLY	C-N-CA	7.58	135.55	122.82
1	4M	36	THR	CA-C-N	-7.58	110.14	122.26
1	4M	36	THR	C-N-CA	-7.58	110.14	122.26
1	4M	67	GLY	CA-C-N	7.58	135.55	122.82
1	4M	67	GLY	C-N-CA	7.58	135.55	122.82
1	4U	36	THR	CA-C-N	-7.58	110.14	122.26
1	4U	36	THR	C-N-CA	-7.58	110.14	122.26
1	4U	67	GLY	CA-C-N	7.58	135.55	122.82
1	4U	67	GLY	C-N-CA	7.58	135.55	122.82
1	5E	156	SER	CA-C-O	-7.58	109.67	120.51
1	5I	156	SER	CA-C-O	-7.58	109.67	120.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	156	SER	CA-C-O	-7.58	109.67	120.51
1	5Q	36	THR	CA-C-N	-7.58	110.14	122.26
1	5Q	36	THR	C-N-CA	-7.58	110.14	122.26
1	5Q	67	GLY	CA-C-N	7.58	135.55	122.82
1	5Q	67	GLY	C-N-CA	7.58	135.55	122.82
1	6I	36	THR	CA-C-N	-7.58	110.14	122.26
1	6I	36	THR	C-N-CA	-7.58	110.14	122.26
1	6I	67	GLY	CA-C-N	7.58	135.55	122.82
1	6I	67	GLY	C-N-CA	7.58	135.55	122.82
1	6Q	36	THR	CA-C-N	-7.58	110.14	122.26
1	6Q	36	THR	C-N-CA	-7.58	110.14	122.26
1	6Q	67	GLY	CA-C-N	7.58	135.55	122.82
1	6Q	67	GLY	C-N-CA	7.58	135.55	122.82
1	62	156	SER	CA-C-O	-7.58	109.67	120.51
1	66	156	SER	CA-C-O	-7.58	109.67	120.51
1	7A	156	SER	CA-C-O	-7.58	109.67	120.51
1	7M	36	THR	CA-C-N	-7.58	110.14	122.26
1	7M	36	THR	C-N-CA	-7.58	110.14	122.26
1	7M	67	GLY	CA-C-N	7.58	135.55	122.82
1	7M	67	GLY	C-N-CA	7.58	135.55	122.82
2	1B	16	ASN	N-CA-CB	-7.58	97.62	110.50
2	1J	16	ASN	N-CA-CB	-7.58	97.62	110.50
2	2F	16	ASN	N-CA-CB	-7.58	97.62	110.50
2	27	16	ASN	N-CA-CB	-7.58	97.62	110.50
2	3F	16	ASN	N-CA-CB	-7.58	97.62	110.50
2	4B	16	ASN	N-CA-CB	-7.58	97.62	110.50
2	4N	16	ASN	N-CA-CB	-7.58	97.62	110.50
2	4V	16	ASN	N-CA-CB	-7.58	97.62	110.50
2	5R	16	ASN	N-CA-CB	-7.58	97.62	110.50
2	6J	16	ASN	N-CA-CB	-7.58	97.62	110.50
2	6R	16	ASN	N-CA-CB	-7.58	97.62	110.50
2	7N	16	ASN	N-CA-CB	-7.58	97.62	110.50
1	1E	67	GLY	CA-C-N	7.58	135.55	122.82
1	1E	67	GLY	C-N-CA	7.58	135.55	122.82
2	1F	219	VAL	CA-CB-CG2	7.58	123.28	110.40
1	1Q	21	ASN	CB-CG-OD1	7.58	135.95	120.80
2	1R	132	VAL	CA-C-N	7.58	135.60	121.97
2	1R	132	VAL	C-N-CA	7.58	135.60	121.97
1	1U	21	ASN	CB-CG-OD1	7.58	135.95	120.80
2	1V	132	VAL	CA-C-N	7.58	135.60	121.97
2	1V	132	VAL	C-N-CA	7.58	135.60	121.97
1	1Y	21	ASN	CB-CG-OD1	7.58	135.95	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1Z	132	VAL	CA-C-N	7.58	135.60	121.97
2	1Z	132	VAL	C-N-CA	7.58	135.60	121.97
1	2M	67	GLY	CA-C-N	7.58	135.55	122.82
1	2M	67	GLY	C-N-CA	7.58	135.55	122.82
2	2N	219	VAL	CA-CB-CG2	7.58	123.28	110.40
1	2Q	21	ASN	CB-CG-OD1	7.58	135.95	120.80
2	2R	132	VAL	CA-C-N	7.58	135.60	121.97
2	2R	132	VAL	C-N-CA	7.58	135.60	121.97
1	2U	21	ASN	CB-CG-OD1	7.58	135.95	120.80
2	2V	132	VAL	CA-C-N	7.58	135.60	121.97
2	2V	132	VAL	C-N-CA	7.58	135.60	121.97
1	2Y	21	ASN	CB-CG-OD1	7.58	135.95	120.80
2	2Z	132	VAL	CA-C-N	7.58	135.60	121.97
2	2Z	132	VAL	C-N-CA	7.58	135.60	121.97
1	22	67	GLY	CA-C-N	7.58	135.55	122.82
1	22	67	GLY	C-N-CA	7.58	135.55	122.82
2	23	219	VAL	CA-CB-CG2	7.58	123.28	110.40
1	3M	67	GLY	CA-C-N	7.58	135.55	122.82
1	3M	67	GLY	C-N-CA	7.58	135.55	122.82
2	3N	219	VAL	CA-CB-CG2	7.58	123.28	110.40
1	36	67	GLY	CA-C-N	7.58	135.55	122.82
1	36	67	GLY	C-N-CA	7.58	135.55	122.82
2	37	219	VAL	CA-CB-CG2	7.58	123.28	110.40
1	4I	67	GLY	CA-C-N	7.58	135.55	122.82
1	4I	67	GLY	C-N-CA	7.58	135.55	122.82
2	4J	219	VAL	CA-CB-CG2	7.58	123.28	110.40
1	4Q	67	GLY	CA-C-N	7.58	135.55	122.82
1	4Q	67	GLY	C-N-CA	7.58	135.55	122.82
2	4R	219	VAL	CA-CB-CG2	7.58	123.28	110.40
1	42	21	ASN	CB-CG-OD1	7.58	135.95	120.80
2	43	132	VAL	CA-C-N	7.58	135.60	121.97
2	43	132	VAL	C-N-CA	7.58	135.60	121.97
1	46	21	ASN	CB-CG-OD1	7.58	135.95	120.80
2	47	132	VAL	CA-C-N	7.58	135.60	121.97
2	47	132	VAL	C-N-CA	7.58	135.60	121.97
1	5A	21	ASN	CB-CG-OD1	7.58	135.95	120.80
2	5B	132	VAL	CA-C-N	7.58	135.60	121.97
2	5B	132	VAL	C-N-CA	7.58	135.60	121.97
1	5Y	67	GLY	CA-C-N	7.58	135.55	122.82
1	5Y	67	GLY	C-N-CA	7.58	135.55	122.82
2	5Z	219	VAL	CA-CB-CG2	7.58	123.28	110.40
1	52	21	ASN	CB-CG-OD1	7.58	135.95	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	53	132	VAL	CA-C-N	7.58	135.60	121.97
2	53	132	VAL	C-N-CA	7.58	135.60	121.97
1	56	21	ASN	CB-CG-OD1	7.58	135.95	120.80
2	57	132	VAL	CA-C-N	7.58	135.60	121.97
2	57	132	VAL	C-N-CA	7.58	135.60	121.97
1	6A	21	ASN	CB-CG-OD1	7.58	135.95	120.80
2	6B	132	VAL	CA-C-N	7.58	135.60	121.97
2	6B	132	VAL	C-N-CA	7.58	135.60	121.97
1	6E	67	GLY	CA-C-N	7.58	135.55	122.82
1	6E	67	GLY	C-N-CA	7.58	135.55	122.82
2	6F	219	VAL	CA-CB-CG2	7.58	123.28	110.40
1	6Y	67	GLY	CA-C-N	7.58	135.55	122.82
1	6Y	67	GLY	C-N-CA	7.58	135.55	122.82
2	6Z	219	VAL	CA-CB-CG2	7.58	123.28	110.40
1	7I	67	GLY	CA-C-N	7.58	135.55	122.82
1	7I	67	GLY	C-N-CA	7.58	135.55	122.82
2	7J	219	VAL	CA-CB-CG2	7.58	123.28	110.40
1	7U	67	GLY	CA-C-N	7.58	135.55	122.82
1	7U	67	GLY	C-N-CA	7.58	135.55	122.82
2	7V	219	VAL	CA-CB-CG2	7.58	123.28	110.40
1	1A	156	SER	CA-C-O	-7.57	109.68	120.51
2	1F	64	HIS	CA-CB-CG	7.57	121.37	113.80
1	1I	156	SER	CA-C-O	-7.57	109.68	120.51
2	1N	16	ASN	N-CA-CB	-7.57	97.63	110.50
2	1N	219	VAL	CA-CB-CG2	7.57	123.27	110.40
1	2E	156	SER	CA-C-O	-7.57	109.68	120.51
2	2J	16	ASN	N-CA-CB	-7.57	97.63	110.50
2	2J	219	VAL	CA-CB-CG2	7.57	123.27	110.40
2	2N	64	HIS	CA-CB-CG	7.57	121.37	113.80
2	23	64	HIS	CA-CB-CG	7.57	121.37	113.80
1	26	156	SER	CA-C-O	-7.57	109.68	120.51
2	3B	16	ASN	N-CA-CB	-7.57	97.63	110.50
2	3B	219	VAL	CA-CB-CG2	7.57	123.27	110.40
1	3E	156	SER	CA-C-O	-7.57	109.68	120.51
2	3J	16	ASN	N-CA-CB	-7.57	97.63	110.50
2	3J	219	VAL	CA-CB-CG2	7.57	123.27	110.40
2	3N	64	HIS	CA-CB-CG	7.57	121.37	113.80
2	33	16	ASN	N-CA-CB	-7.57	97.63	110.50
2	33	219	VAL	CA-CB-CG2	7.57	123.27	110.40
2	37	64	HIS	CA-CB-CG	7.57	121.37	113.80
1	4A	156	SER	CA-C-O	-7.57	109.68	120.51
2	4F	16	ASN	N-CA-CB	-7.57	97.63	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	219	VAL	CA-CB-CG2	7.57	123.27	110.40
2	4J	64	HIS	CA-CB-CG	7.57	121.37	113.80
1	4M	156	SER	CA-C-O	-7.57	109.68	120.51
2	4R	64	HIS	CA-CB-CG	7.57	121.37	113.80
1	4U	156	SER	CA-C-O	-7.57	109.68	120.51
2	4Z	16	ASN	N-CA-CB	-7.57	97.63	110.50
2	4Z	219	VAL	CA-CB-CG2	7.57	123.27	110.40
1	5Q	156	SER	CA-C-O	-7.57	109.68	120.51
2	5V	16	ASN	N-CA-CB	-7.57	97.63	110.50
2	5V	219	VAL	CA-CB-CG2	7.57	123.27	110.40
2	5Z	64	HIS	CA-CB-CG	7.57	121.37	113.80
2	6F	64	HIS	CA-CB-CG	7.57	121.37	113.80
1	6I	156	SER	CA-C-O	-7.57	109.68	120.51
2	6N	16	ASN	N-CA-CB	-7.57	97.63	110.50
2	6N	219	VAL	CA-CB-CG2	7.57	123.27	110.40
1	6Q	156	SER	CA-C-O	-7.57	109.68	120.51
2	6V	16	ASN	N-CA-CB	-7.57	97.63	110.50
2	6V	219	VAL	CA-CB-CG2	7.57	123.27	110.40
2	6Z	64	HIS	CA-CB-CG	7.57	121.37	113.80
2	7F	16	ASN	N-CA-CB	-7.57	97.63	110.50
2	7F	219	VAL	CA-CB-CG2	7.57	123.27	110.40
2	7J	64	HIS	CA-CB-CG	7.57	121.37	113.80
1	7M	156	SER	CA-C-O	-7.57	109.68	120.51
2	7R	16	ASN	N-CA-CB	-7.57	97.63	110.50
2	7R	219	VAL	CA-CB-CG2	7.57	123.27	110.40
2	7V	64	HIS	CA-CB-CG	7.57	121.37	113.80
1	1A	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	1I	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	2E	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	26	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	3E	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	4A	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	4M	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	4U	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	5Q	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	6I	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	6Q	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	7M	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	1Q	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	1U	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	1Y	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
2	13	132	VAL	CA-C-N	7.57	135.60	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	13	132	VAL	C-N-CA	7.57	135.60	121.97
2	17	132	VAL	CA-C-N	7.57	135.60	121.97
2	17	132	VAL	C-N-CA	7.57	135.60	121.97
2	2B	132	VAL	CA-C-N	7.57	135.60	121.97
2	2B	132	VAL	C-N-CA	7.57	135.60	121.97
1	2Q	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	2U	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	2Y	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
2	3R	132	VAL	CA-C-N	7.57	135.60	121.97
2	3R	132	VAL	C-N-CA	7.57	135.60	121.97
2	3V	132	VAL	CA-C-N	7.57	135.60	121.97
2	3V	132	VAL	C-N-CA	7.57	135.60	121.97
2	3Z	132	VAL	CA-C-N	7.57	135.60	121.97
2	3Z	132	VAL	C-N-CA	7.57	135.60	121.97
1	42	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	46	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	5A	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
2	5F	132	VAL	CA-C-N	7.57	135.60	121.97
2	5F	132	VAL	C-N-CA	7.57	135.60	121.97
2	5J	132	VAL	CA-C-N	7.57	135.60	121.97
2	5J	132	VAL	C-N-CA	7.57	135.60	121.97
2	5N	132	VAL	CA-C-N	7.57	135.60	121.97
2	5N	132	VAL	C-N-CA	7.57	135.60	121.97
1	52	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	56	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
1	6A	9	PHE	CZ-CE2-CD2	7.57	133.63	120.00
2	63	132	VAL	CA-C-N	7.57	135.60	121.97
2	63	132	VAL	C-N-CA	7.57	135.60	121.97
2	67	132	VAL	CA-C-N	7.57	135.60	121.97
2	67	132	VAL	C-N-CA	7.57	135.60	121.97
2	7B	132	VAL	CA-C-N	7.57	135.60	121.97
2	7B	132	VAL	C-N-CA	7.57	135.60	121.97
1	1Q	146	ASN	CB-CA-C	-7.57	97.51	109.70
1	1Q	156	SER	CA-C-O	-7.57	109.69	120.51
1	1U	146	ASN	CB-CA-C	-7.57	97.51	109.70
1	1U	156	SER	CA-C-O	-7.57	109.69	120.51
1	1Y	146	ASN	CB-CA-C	-7.57	97.51	109.70
1	1Y	156	SER	CA-C-O	-7.57	109.69	120.51
1	12	168	GLN	CA-C-N	7.57	132.52	122.30
1	12	168	GLN	C-N-CA	7.57	132.52	122.30
1	16	168	GLN	CA-C-N	7.57	132.52	122.30
1	16	168	GLN	C-N-CA	7.57	132.52	122.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	168	GLN	CA-C-N	7.57	132.52	122.30
1	2A	168	GLN	C-N-CA	7.57	132.52	122.30
1	2Q	146	ASN	CB-CA-C	-7.57	97.51	109.70
1	2Q	156	SER	CA-C-O	-7.57	109.69	120.51
1	2U	146	ASN	CB-CA-C	-7.57	97.51	109.70
1	2U	156	SER	CA-C-O	-7.57	109.69	120.51
1	2Y	146	ASN	CB-CA-C	-7.57	97.51	109.70
1	2Y	156	SER	CA-C-O	-7.57	109.69	120.51
1	3Q	168	GLN	CA-C-N	7.57	132.52	122.30
1	3Q	168	GLN	C-N-CA	7.57	132.52	122.30
1	3U	168	GLN	CA-C-N	7.57	132.52	122.30
1	3U	168	GLN	C-N-CA	7.57	132.52	122.30
1	3Y	168	GLN	CA-C-N	7.57	132.52	122.30
1	3Y	168	GLN	C-N-CA	7.57	132.52	122.30
1	42	146	ASN	CB-CA-C	-7.57	97.51	109.70
1	42	156	SER	CA-C-O	-7.57	109.69	120.51
1	46	146	ASN	CB-CA-C	-7.57	97.51	109.70
1	46	156	SER	CA-C-O	-7.57	109.69	120.51
1	5A	146	ASN	CB-CA-C	-7.57	97.51	109.70
1	5A	156	SER	CA-C-O	-7.57	109.69	120.51
1	5E	168	GLN	CA-C-N	7.57	132.52	122.30
1	5E	168	GLN	C-N-CA	7.57	132.52	122.30
1	5I	168	GLN	CA-C-N	7.57	132.52	122.30
1	5I	168	GLN	C-N-CA	7.57	132.52	122.30
1	5M	168	GLN	CA-C-N	7.57	132.52	122.30
1	5M	168	GLN	C-N-CA	7.57	132.52	122.30
1	52	146	ASN	CB-CA-C	-7.57	97.51	109.70
1	52	156	SER	CA-C-O	-7.57	109.69	120.51
1	56	146	ASN	CB-CA-C	-7.57	97.51	109.70
1	56	156	SER	CA-C-O	-7.57	109.69	120.51
1	6A	146	ASN	CB-CA-C	-7.57	97.51	109.70
1	6A	156	SER	CA-C-O	-7.57	109.69	120.51
1	62	168	GLN	CA-C-N	7.57	132.52	122.30
1	62	168	GLN	C-N-CA	7.57	132.52	122.30
1	66	168	GLN	CA-C-N	7.57	132.52	122.30
1	66	168	GLN	C-N-CA	7.57	132.52	122.30
1	7A	168	GLN	CA-C-N	7.57	132.52	122.30
1	7A	168	GLN	C-N-CA	7.57	132.52	122.30
1	1E	18	PRO	N-CA-C	-7.57	96.88	112.47
2	1F	132	VAL	CA-C-N	7.57	135.59	121.97
2	1F	132	VAL	C-N-CA	7.57	135.59	121.97
1	2M	18	PRO	N-CA-C	-7.57	96.88	112.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	132	VAL	CA-C-N	7.57	135.59	121.97
2	2N	132	VAL	C-N-CA	7.57	135.59	121.97
1	22	18	PRO	N-CA-C	-7.57	96.88	112.47
2	23	132	VAL	CA-C-N	7.57	135.59	121.97
2	23	132	VAL	C-N-CA	7.57	135.59	121.97
1	3M	18	PRO	N-CA-C	-7.57	96.88	112.47
2	3N	132	VAL	CA-C-N	7.57	135.59	121.97
2	3N	132	VAL	C-N-CA	7.57	135.59	121.97
1	36	18	PRO	N-CA-C	-7.57	96.88	112.47
2	37	132	VAL	CA-C-N	7.57	135.59	121.97
2	37	132	VAL	C-N-CA	7.57	135.59	121.97
1	4I	18	PRO	N-CA-C	-7.57	96.88	112.47
2	4J	132	VAL	CA-C-N	7.57	135.59	121.97
2	4J	132	VAL	C-N-CA	7.57	135.59	121.97
1	4Q	18	PRO	N-CA-C	-7.57	96.88	112.47
2	4R	132	VAL	CA-C-N	7.57	135.59	121.97
2	4R	132	VAL	C-N-CA	7.57	135.59	121.97
1	5Y	18	PRO	N-CA-C	-7.57	96.88	112.47
2	5Z	132	VAL	CA-C-N	7.57	135.59	121.97
2	5Z	132	VAL	C-N-CA	7.57	135.59	121.97
1	6E	18	PRO	N-CA-C	-7.57	96.88	112.47
2	6F	132	VAL	CA-C-N	7.57	135.59	121.97
2	6F	132	VAL	C-N-CA	7.57	135.59	121.97
1	6Y	18	PRO	N-CA-C	-7.57	96.88	112.47
2	6Z	132	VAL	CA-C-N	7.57	135.59	121.97
2	6Z	132	VAL	C-N-CA	7.57	135.59	121.97
1	7I	18	PRO	N-CA-C	-7.57	96.88	112.47
2	7J	132	VAL	CA-C-N	7.57	135.59	121.97
2	7J	132	VAL	C-N-CA	7.57	135.59	121.97
1	7U	18	PRO	N-CA-C	-7.57	96.88	112.47
2	7V	132	VAL	CA-C-N	7.57	135.59	121.97
2	7V	132	VAL	C-N-CA	7.57	135.59	121.97
1	1E	146	ASN	CB-CA-C	-7.57	97.52	109.70
1	2M	146	ASN	CB-CA-C	-7.57	97.52	109.70
1	22	146	ASN	CB-CA-C	-7.57	97.52	109.70
1	3M	146	ASN	CB-CA-C	-7.57	97.52	109.70
1	36	146	ASN	CB-CA-C	-7.57	97.52	109.70
1	4I	146	ASN	CB-CA-C	-7.57	97.52	109.70
1	4Q	146	ASN	CB-CA-C	-7.57	97.52	109.70
1	5Y	146	ASN	CB-CA-C	-7.57	97.52	109.70
1	6E	146	ASN	CB-CA-C	-7.57	97.52	109.70
1	6Y	146	ASN	CB-CA-C	-7.57	97.52	109.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	146	ASN	CB-CA-C	-7.57	97.52	109.70
1	7U	146	ASN	CB-CA-C	-7.57	97.52	109.70
1	1M	146	ASN	CB-CA-C	-7.56	97.52	109.70
2	1N	132	VAL	CA-C-N	7.56	135.59	121.97
2	1N	132	VAL	C-N-CA	7.56	135.59	121.97
1	1Q	67	GLY	CA-C-N	7.56	135.53	122.82
1	1Q	67	GLY	C-N-CA	7.56	135.53	122.82
1	1U	67	GLY	CA-C-N	7.56	135.53	122.82
1	1U	67	GLY	C-N-CA	7.56	135.53	122.82
1	1Y	67	GLY	CA-C-N	7.56	135.53	122.82
1	1Y	67	GLY	C-N-CA	7.56	135.53	122.82
1	2I	146	ASN	CB-CA-C	-7.56	97.52	109.70
2	2J	132	VAL	CA-C-N	7.56	135.59	121.97
2	2J	132	VAL	C-N-CA	7.56	135.59	121.97
1	2Q	67	GLY	CA-C-N	7.56	135.53	122.82
1	2Q	67	GLY	C-N-CA	7.56	135.53	122.82
1	2U	67	GLY	CA-C-N	7.56	135.53	122.82
1	2U	67	GLY	C-N-CA	7.56	135.53	122.82
1	2Y	67	GLY	CA-C-N	7.56	135.53	122.82
1	2Y	67	GLY	C-N-CA	7.56	135.53	122.82
1	3A	146	ASN	CB-CA-C	-7.56	97.52	109.70
2	3B	132	VAL	CA-C-N	7.56	135.59	121.97
2	3B	132	VAL	C-N-CA	7.56	135.59	121.97
1	3I	146	ASN	CB-CA-C	-7.56	97.52	109.70
2	3J	132	VAL	CA-C-N	7.56	135.59	121.97
2	3J	132	VAL	C-N-CA	7.56	135.59	121.97
1	32	146	ASN	CB-CA-C	-7.56	97.52	109.70
2	33	132	VAL	CA-C-N	7.56	135.59	121.97
2	33	132	VAL	C-N-CA	7.56	135.59	121.97
1	4E	146	ASN	CB-CA-C	-7.56	97.52	109.70
2	4F	132	VAL	CA-C-N	7.56	135.59	121.97
2	4F	132	VAL	C-N-CA	7.56	135.59	121.97
1	4Y	146	ASN	CB-CA-C	-7.56	97.52	109.70
2	4Z	132	VAL	CA-C-N	7.56	135.59	121.97
2	4Z	132	VAL	C-N-CA	7.56	135.59	121.97
1	42	67	GLY	CA-C-N	7.56	135.53	122.82
1	42	67	GLY	C-N-CA	7.56	135.53	122.82
1	46	67	GLY	CA-C-N	7.56	135.53	122.82
1	46	67	GLY	C-N-CA	7.56	135.53	122.82
1	5A	67	GLY	CA-C-N	7.56	135.53	122.82
1	5A	67	GLY	C-N-CA	7.56	135.53	122.82
1	5U	146	ASN	CB-CA-C	-7.56	97.52	109.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	132	VAL	CA-C-N	7.56	135.59	121.97
2	5V	132	VAL	C-N-CA	7.56	135.59	121.97
1	52	67	GLY	CA-C-N	7.56	135.53	122.82
1	52	67	GLY	C-N-CA	7.56	135.53	122.82
1	56	67	GLY	CA-C-N	7.56	135.53	122.82
1	56	67	GLY	C-N-CA	7.56	135.53	122.82
1	6A	67	GLY	CA-C-N	7.56	135.53	122.82
1	6A	67	GLY	C-N-CA	7.56	135.53	122.82
1	6M	146	ASN	CB-CA-C	-7.56	97.52	109.70
2	6N	132	VAL	CA-C-N	7.56	135.59	121.97
2	6N	132	VAL	C-N-CA	7.56	135.59	121.97
1	6U	146	ASN	CB-CA-C	-7.56	97.52	109.70
2	6V	132	VAL	CA-C-N	7.56	135.59	121.97
2	6V	132	VAL	C-N-CA	7.56	135.59	121.97
1	7E	146	ASN	CB-CA-C	-7.56	97.52	109.70
2	7F	132	VAL	CA-C-N	7.56	135.59	121.97
2	7F	132	VAL	C-N-CA	7.56	135.59	121.97
1	7Q	146	ASN	CB-CA-C	-7.56	97.52	109.70
2	7R	132	VAL	CA-C-N	7.56	135.59	121.97
2	7R	132	VAL	C-N-CA	7.56	135.59	121.97
1	1E	156	SER	CA-C-O	-7.56	109.70	120.51
1	12	36	THR	CA-C-N	-7.56	110.16	122.26
1	12	36	THR	C-N-CA	-7.56	110.16	122.26
1	16	36	THR	CA-C-N	-7.56	110.16	122.26
1	16	36	THR	C-N-CA	-7.56	110.16	122.26
1	2A	36	THR	CA-C-N	-7.56	110.16	122.26
1	2A	36	THR	C-N-CA	-7.56	110.16	122.26
1	2M	156	SER	CA-C-O	-7.56	109.70	120.51
1	22	156	SER	CA-C-O	-7.56	109.70	120.51
1	3M	156	SER	CA-C-O	-7.56	109.70	120.51
1	3Q	36	THR	CA-C-N	-7.56	110.16	122.26
1	3Q	36	THR	C-N-CA	-7.56	110.16	122.26
1	3U	36	THR	CA-C-N	-7.56	110.16	122.26
1	3U	36	THR	C-N-CA	-7.56	110.16	122.26
1	3Y	36	THR	CA-C-N	-7.56	110.16	122.26
1	3Y	36	THR	C-N-CA	-7.56	110.16	122.26
1	36	156	SER	CA-C-O	-7.56	109.70	120.51
1	4I	156	SER	CA-C-O	-7.56	109.70	120.51
1	4Q	156	SER	CA-C-O	-7.56	109.70	120.51
1	5E	36	THR	CA-C-N	-7.56	110.16	122.26
1	5E	36	THR	C-N-CA	-7.56	110.16	122.26
1	5I	36	THR	CA-C-N	-7.56	110.16	122.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5I	36	THR	C-N-CA	-7.56	110.16	122.26
1	5M	36	THR	CA-C-N	-7.56	110.16	122.26
1	5M	36	THR	C-N-CA	-7.56	110.16	122.26
1	5Y	156	SER	CA-C-O	-7.56	109.70	120.51
1	6E	156	SER	CA-C-O	-7.56	109.70	120.51
1	6Y	156	SER	CA-C-O	-7.56	109.70	120.51
1	62	36	THR	CA-C-N	-7.56	110.16	122.26
1	62	36	THR	C-N-CA	-7.56	110.16	122.26
1	66	36	THR	CA-C-N	-7.56	110.16	122.26
1	66	36	THR	C-N-CA	-7.56	110.16	122.26
1	7A	36	THR	CA-C-N	-7.56	110.16	122.26
1	7A	36	THR	C-N-CA	-7.56	110.16	122.26
1	7I	156	SER	CA-C-O	-7.56	109.70	120.51
1	7U	156	SER	CA-C-O	-7.56	109.70	120.51
1	1A	18	PRO	N-CA-C	-7.56	96.90	112.47
1	1I	18	PRO	N-CA-C	-7.56	96.90	112.47
2	1R	186	TYR	CB-CA-C	-7.56	95.00	109.66
2	1V	186	TYR	CB-CA-C	-7.56	95.00	109.66
2	1Z	186	TYR	CB-CA-C	-7.56	95.00	109.66
1	2E	18	PRO	N-CA-C	-7.56	96.90	112.47
2	2R	186	TYR	CB-CA-C	-7.56	95.00	109.66
2	2V	186	TYR	CB-CA-C	-7.56	95.00	109.66
2	2Z	186	TYR	CB-CA-C	-7.56	95.00	109.66
1	26	18	PRO	N-CA-C	-7.56	96.90	112.47
1	3E	18	PRO	N-CA-C	-7.56	96.90	112.47
1	4A	18	PRO	N-CA-C	-7.56	96.90	112.47
1	4M	18	PRO	N-CA-C	-7.56	96.90	112.47
1	4U	18	PRO	N-CA-C	-7.56	96.90	112.47
2	43	186	TYR	CB-CA-C	-7.56	95.00	109.66
2	47	186	TYR	CB-CA-C	-7.56	95.00	109.66
2	5B	186	TYR	CB-CA-C	-7.56	95.00	109.66
1	5Q	18	PRO	N-CA-C	-7.56	96.90	112.47
2	53	186	TYR	CB-CA-C	-7.56	95.00	109.66
2	57	186	TYR	CB-CA-C	-7.56	95.00	109.66
2	6B	186	TYR	CB-CA-C	-7.56	95.00	109.66
1	6I	18	PRO	N-CA-C	-7.56	96.90	112.47
1	6Q	18	PRO	N-CA-C	-7.56	96.90	112.47
1	7M	18	PRO	N-CA-C	-7.56	96.90	112.47
1	1A	146	ASN	CB-CA-C	-7.56	97.53	109.70
1	1I	146	ASN	CB-CA-C	-7.56	97.53	109.70
1	12	18	PRO	N-CA-C	-7.56	96.90	112.47
2	13	16	ASN	N-CA-CB	-7.56	97.65	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16	18	PRO	N-CA-C	-7.56	96.90	112.47
2	17	16	ASN	N-CA-CB	-7.56	97.65	110.50
1	2A	18	PRO	N-CA-C	-7.56	96.90	112.47
2	2B	16	ASN	N-CA-CB	-7.56	97.65	110.50
1	2E	146	ASN	CB-CA-C	-7.56	97.53	109.70
1	26	146	ASN	CB-CA-C	-7.56	97.53	109.70
1	3E	146	ASN	CB-CA-C	-7.56	97.53	109.70
1	3Q	18	PRO	N-CA-C	-7.56	96.90	112.47
2	3R	16	ASN	N-CA-CB	-7.56	97.65	110.50
1	3U	18	PRO	N-CA-C	-7.56	96.90	112.47
2	3V	16	ASN	N-CA-CB	-7.56	97.65	110.50
1	3Y	18	PRO	N-CA-C	-7.56	96.90	112.47
2	3Z	16	ASN	N-CA-CB	-7.56	97.65	110.50
1	4A	146	ASN	CB-CA-C	-7.56	97.53	109.70
1	4M	146	ASN	CB-CA-C	-7.56	97.53	109.70
1	4U	146	ASN	CB-CA-C	-7.56	97.53	109.70
1	5E	18	PRO	N-CA-C	-7.56	96.90	112.47
2	5F	16	ASN	N-CA-CB	-7.56	97.65	110.50
1	5I	18	PRO	N-CA-C	-7.56	96.90	112.47
2	5J	16	ASN	N-CA-CB	-7.56	97.65	110.50
1	5M	18	PRO	N-CA-C	-7.56	96.90	112.47
2	5N	16	ASN	N-CA-CB	-7.56	97.65	110.50
1	5Q	146	ASN	CB-CA-C	-7.56	97.53	109.70
1	6I	146	ASN	CB-CA-C	-7.56	97.53	109.70
1	6Q	146	ASN	CB-CA-C	-7.56	97.53	109.70
1	62	18	PRO	N-CA-C	-7.56	96.90	112.47
2	63	16	ASN	N-CA-CB	-7.56	97.65	110.50
1	66	18	PRO	N-CA-C	-7.56	96.90	112.47
2	67	16	ASN	N-CA-CB	-7.56	97.65	110.50
1	7A	18	PRO	N-CA-C	-7.56	96.90	112.47
2	7B	16	ASN	N-CA-CB	-7.56	97.65	110.50
1	7M	146	ASN	CB-CA-C	-7.56	97.53	109.70
2	1B	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	1E	9	PHE	CZ-CE2-CD2	7.55	133.60	120.00
2	1F	186	TYR	CB-CA-C	-7.55	95.01	109.66
2	1J	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	1M	18	PRO	N-CA-C	-7.55	96.91	112.47
2	2F	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	2I	18	PRO	N-CA-C	-7.55	96.91	112.47
1	2M	9	PHE	CZ-CE2-CD2	7.55	133.60	120.00
2	2N	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	22	9	PHE	CZ-CE2-CD2	7.55	133.60	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	186	TYR	CB-CA-C	-7.55	95.01	109.66
2	27	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	3A	18	PRO	N-CA-C	-7.55	96.91	112.47
2	3F	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	3I	18	PRO	N-CA-C	-7.55	96.91	112.47
1	3M	9	PHE	CZ-CE2-CD2	7.55	133.60	120.00
2	3N	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	32	18	PRO	N-CA-C	-7.55	96.91	112.47
1	36	9	PHE	CZ-CE2-CD2	7.55	133.60	120.00
2	37	186	TYR	CB-CA-C	-7.55	95.01	109.66
2	4B	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	4E	18	PRO	N-CA-C	-7.55	96.91	112.47
1	4I	9	PHE	CZ-CE2-CD2	7.55	133.60	120.00
2	4J	186	TYR	CB-CA-C	-7.55	95.01	109.66
2	4N	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	4Q	9	PHE	CZ-CE2-CD2	7.55	133.60	120.00
2	4R	186	TYR	CB-CA-C	-7.55	95.01	109.66
2	4V	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	4Y	18	PRO	N-CA-C	-7.55	96.91	112.47
2	5R	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	5U	18	PRO	N-CA-C	-7.55	96.91	112.47
1	5Y	9	PHE	CZ-CE2-CD2	7.55	133.60	120.00
2	5Z	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	6E	9	PHE	CZ-CE2-CD2	7.55	133.60	120.00
2	6F	186	TYR	CB-CA-C	-7.55	95.01	109.66
2	6J	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	6M	18	PRO	N-CA-C	-7.55	96.91	112.47
2	6R	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	6U	18	PRO	N-CA-C	-7.55	96.91	112.47
1	6Y	9	PHE	CZ-CE2-CD2	7.55	133.60	120.00
2	6Z	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	7E	18	PRO	N-CA-C	-7.55	96.91	112.47
1	7I	9	PHE	CZ-CE2-CD2	7.55	133.60	120.00
2	7J	186	TYR	CB-CA-C	-7.55	95.01	109.66
2	7N	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	7Q	18	PRO	N-CA-C	-7.55	96.91	112.47
1	7U	9	PHE	CZ-CE2-CD2	7.55	133.60	120.00
2	7V	186	TYR	CB-CA-C	-7.55	95.01	109.66
1	1A	21	ASN	CB-CG-OD1	7.55	135.90	120.80
2	1B	132	VAL	CA-C-N	7.55	135.56	121.97
2	1B	132	VAL	C-N-CA	7.55	135.56	121.97
1	1I	21	ASN	CB-CG-OD1	7.55	135.90	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1J	132	VAL	CA-C-N	7.55	135.56	121.97
2	1J	132	VAL	C-N-CA	7.55	135.56	121.97
2	1N	186	TYR	CB-CA-C	-7.55	95.02	109.66
1	2E	21	ASN	CB-CG-OD1	7.55	135.90	120.80
2	2F	132	VAL	CA-C-N	7.55	135.56	121.97
2	2F	132	VAL	C-N-CA	7.55	135.56	121.97
2	2J	186	TYR	CB-CA-C	-7.55	95.02	109.66
1	26	21	ASN	CB-CG-OD1	7.55	135.90	120.80
2	27	132	VAL	CA-C-N	7.55	135.56	121.97
2	27	132	VAL	C-N-CA	7.55	135.56	121.97
2	3B	186	TYR	CB-CA-C	-7.55	95.02	109.66
1	3E	21	ASN	CB-CG-OD1	7.55	135.90	120.80
2	3F	132	VAL	CA-C-N	7.55	135.56	121.97
2	3F	132	VAL	C-N-CA	7.55	135.56	121.97
2	3J	186	TYR	CB-CA-C	-7.55	95.02	109.66
2	33	186	TYR	CB-CA-C	-7.55	95.02	109.66
1	4A	21	ASN	CB-CG-OD1	7.55	135.90	120.80
2	4B	132	VAL	CA-C-N	7.55	135.56	121.97
2	4B	132	VAL	C-N-CA	7.55	135.56	121.97
2	4F	186	TYR	CB-CA-C	-7.55	95.02	109.66
1	4M	21	ASN	CB-CG-OD1	7.55	135.90	120.80
2	4N	132	VAL	CA-C-N	7.55	135.56	121.97
2	4N	132	VAL	C-N-CA	7.55	135.56	121.97
1	4U	21	ASN	CB-CG-OD1	7.55	135.90	120.80
2	4V	132	VAL	CA-C-N	7.55	135.56	121.97
2	4V	132	VAL	C-N-CA	7.55	135.56	121.97
2	4Z	186	TYR	CB-CA-C	-7.55	95.02	109.66
1	5Q	21	ASN	CB-CG-OD1	7.55	135.90	120.80
2	5R	132	VAL	CA-C-N	7.55	135.56	121.97
2	5R	132	VAL	C-N-CA	7.55	135.56	121.97
2	5V	186	TYR	CB-CA-C	-7.55	95.02	109.66
1	6I	21	ASN	CB-CG-OD1	7.55	135.90	120.80
2	6J	132	VAL	CA-C-N	7.55	135.56	121.97
2	6J	132	VAL	C-N-CA	7.55	135.56	121.97
2	6N	186	TYR	CB-CA-C	-7.55	95.02	109.66
1	6Q	21	ASN	CB-CG-OD1	7.55	135.90	120.80
2	6R	132	VAL	CA-C-N	7.55	135.56	121.97
2	6R	132	VAL	C-N-CA	7.55	135.56	121.97
2	6V	186	TYR	CB-CA-C	-7.55	95.02	109.66
2	7F	186	TYR	CB-CA-C	-7.55	95.02	109.66
1	7M	21	ASN	CB-CG-OD1	7.55	135.90	120.80
2	7N	132	VAL	CA-C-N	7.55	135.56	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	132	VAL	C-N-CA	7.55	135.56	121.97
2	7R	186	TYR	CB-CA-C	-7.55	95.02	109.66
1	1Q	18	PRO	N-CA-C	-7.55	96.92	112.47
1	1U	18	PRO	N-CA-C	-7.55	96.92	112.47
1	1Y	18	PRO	N-CA-C	-7.55	96.92	112.47
1	2Q	18	PRO	N-CA-C	-7.55	96.92	112.47
1	2U	18	PRO	N-CA-C	-7.55	96.92	112.47
1	2Y	18	PRO	N-CA-C	-7.55	96.92	112.47
1	42	18	PRO	N-CA-C	-7.55	96.92	112.47
1	46	18	PRO	N-CA-C	-7.55	96.92	112.47
1	5A	18	PRO	N-CA-C	-7.55	96.92	112.47
1	52	18	PRO	N-CA-C	-7.55	96.92	112.47
1	56	18	PRO	N-CA-C	-7.55	96.92	112.47
1	6A	18	PRO	N-CA-C	-7.55	96.92	112.47
1	1E	21	ASN	CB-CG-OD1	7.54	135.89	120.80
1	12	146	ASN	CB-CA-C	-7.54	97.56	109.70
1	16	146	ASN	CB-CA-C	-7.54	97.56	109.70
1	2A	146	ASN	CB-CA-C	-7.54	97.56	109.70
1	2M	21	ASN	CB-CG-OD1	7.54	135.89	120.80
1	22	21	ASN	CB-CG-OD1	7.54	135.89	120.80
1	3M	21	ASN	CB-CG-OD1	7.54	135.89	120.80
1	3Q	146	ASN	CB-CA-C	-7.54	97.56	109.70
1	3U	146	ASN	CB-CA-C	-7.54	97.56	109.70
1	3Y	146	ASN	CB-CA-C	-7.54	97.56	109.70
1	36	21	ASN	CB-CG-OD1	7.54	135.89	120.80
1	4I	21	ASN	CB-CG-OD1	7.54	135.89	120.80
1	4Q	21	ASN	CB-CG-OD1	7.54	135.89	120.80
1	5E	146	ASN	CB-CA-C	-7.54	97.56	109.70
1	5I	146	ASN	CB-CA-C	-7.54	97.56	109.70
1	5M	146	ASN	CB-CA-C	-7.54	97.56	109.70
1	5Y	21	ASN	CB-CG-OD1	7.54	135.89	120.80
1	6E	21	ASN	CB-CG-OD1	7.54	135.89	120.80
1	6Y	21	ASN	CB-CG-OD1	7.54	135.89	120.80
1	62	146	ASN	CB-CA-C	-7.54	97.56	109.70
1	66	146	ASN	CB-CA-C	-7.54	97.56	109.70
1	7A	146	ASN	CB-CA-C	-7.54	97.56	109.70
1	7I	21	ASN	CB-CG-OD1	7.54	135.89	120.80
1	7U	21	ASN	CB-CG-OD1	7.54	135.89	120.80
2	1N	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	13	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	17	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	2B	75	GLN	CG-CD-NE2	-7.54	105.09	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2J	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	3B	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	3J	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	3R	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	3V	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	3Z	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	33	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	4F	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	4Z	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	5F	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	5J	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	5N	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	5V	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	6N	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	6V	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	63	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	67	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	7B	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	7F	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	7R	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	13	186	TYR	CB-CA-C	-7.54	95.03	109.66
2	17	186	TYR	CB-CA-C	-7.54	95.03	109.66
2	2B	186	TYR	CB-CA-C	-7.54	95.03	109.66
2	3R	186	TYR	CB-CA-C	-7.54	95.03	109.66
2	3V	186	TYR	CB-CA-C	-7.54	95.03	109.66
2	3Z	186	TYR	CB-CA-C	-7.54	95.03	109.66
2	5F	186	TYR	CB-CA-C	-7.54	95.03	109.66
2	5J	186	TYR	CB-CA-C	-7.54	95.03	109.66
2	5N	186	TYR	CB-CA-C	-7.54	95.03	109.66
2	63	186	TYR	CB-CA-C	-7.54	95.03	109.66
2	67	186	TYR	CB-CA-C	-7.54	95.03	109.66
2	7B	186	TYR	CB-CA-C	-7.54	95.03	109.66
2	1F	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	2N	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	23	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	3N	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	37	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	4J	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	4R	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	5Z	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	6F	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	6Z	75	GLN	CG-CD-NE2	-7.54	105.09	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
2	7V	75	GLN	CG-CD-NE2	-7.54	105.09	116.40
1	1M	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	2I	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	3A	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	3I	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	32	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	4E	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	4Y	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	5U	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	6M	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	6U	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	7E	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	7Q	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	12	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	16	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	2A	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	3Q	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	3U	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	3Y	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	5E	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	5I	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	5M	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	62	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	66	21	ASN	CB-CG-OD1	7.53	135.86	120.80
1	7A	21	ASN	CB-CG-OD1	7.53	135.86	120.80
2	1N	47	ASP	N-CA-CB	-7.52	99.60	110.36
2	2J	47	ASP	N-CA-CB	-7.52	99.60	110.36
2	3B	47	ASP	N-CA-CB	-7.52	99.60	110.36
2	3J	47	ASP	N-CA-CB	-7.52	99.60	110.36
2	33	47	ASP	N-CA-CB	-7.52	99.60	110.36
2	4F	47	ASP	N-CA-CB	-7.52	99.60	110.36
2	4Z	47	ASP	N-CA-CB	-7.52	99.60	110.36
2	5V	47	ASP	N-CA-CB	-7.52	99.60	110.36
2	6N	47	ASP	N-CA-CB	-7.52	99.60	110.36
2	6V	47	ASP	N-CA-CB	-7.52	99.60	110.36
2	7F	47	ASP	N-CA-CB	-7.52	99.60	110.36
2	7R	47	ASP	N-CA-CB	-7.52	99.60	110.36
2	1B	75	GLN	CG-CD-NE2	-7.52	105.12	116.40
2	1J	75	GLN	CG-CD-NE2	-7.52	105.12	116.40
2	2F	75	GLN	CG-CD-NE2	-7.52	105.12	116.40
2	27	75	GLN	CG-CD-NE2	-7.52	105.12	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	75	GLN	CG-CD-NE2	-7.52	105.12	116.40
2	4B	75	GLN	CG-CD-NE2	-7.52	105.12	116.40
2	4N	75	GLN	CG-CD-NE2	-7.52	105.12	116.40
2	4V	75	GLN	CG-CD-NE2	-7.52	105.12	116.40
2	5R	75	GLN	CG-CD-NE2	-7.52	105.12	116.40
2	6J	75	GLN	CG-CD-NE2	-7.52	105.12	116.40
2	6R	75	GLN	CG-CD-NE2	-7.52	105.12	116.40
2	7N	75	GLN	CG-CD-NE2	-7.52	105.12	116.40
2	1R	75	GLN	CG-CD-NE2	-7.52	105.13	116.40
2	1V	75	GLN	CG-CD-NE2	-7.52	105.13	116.40
2	1Z	75	GLN	CG-CD-NE2	-7.52	105.13	116.40
2	2R	75	GLN	CG-CD-NE2	-7.52	105.13	116.40
2	2V	75	GLN	CG-CD-NE2	-7.52	105.13	116.40
2	2Z	75	GLN	CG-CD-NE2	-7.52	105.13	116.40
2	43	75	GLN	CG-CD-NE2	-7.52	105.13	116.40
2	47	75	GLN	CG-CD-NE2	-7.52	105.13	116.40
2	5B	75	GLN	CG-CD-NE2	-7.52	105.13	116.40
2	53	75	GLN	CG-CD-NE2	-7.52	105.13	116.40
2	57	75	GLN	CG-CD-NE2	-7.52	105.13	116.40
2	6B	75	GLN	CG-CD-NE2	-7.52	105.13	116.40
2	1F	47	ASP	N-CA-CB	-7.51	99.61	110.36
2	2N	47	ASP	N-CA-CB	-7.51	99.61	110.36
2	23	47	ASP	N-CA-CB	-7.51	99.61	110.36
2	3N	47	ASP	N-CA-CB	-7.51	99.61	110.36
2	37	47	ASP	N-CA-CB	-7.51	99.61	110.36
2	4J	47	ASP	N-CA-CB	-7.51	99.61	110.36
2	4R	47	ASP	N-CA-CB	-7.51	99.61	110.36
2	5Z	47	ASP	N-CA-CB	-7.51	99.61	110.36
2	6F	47	ASP	N-CA-CB	-7.51	99.61	110.36
2	6Z	47	ASP	N-CA-CB	-7.51	99.61	110.36
2	7J	47	ASP	N-CA-CB	-7.51	99.61	110.36
2	7V	47	ASP	N-CA-CB	-7.51	99.61	110.36
1	1Q	14	ASP	CA-CB-CG	-7.51	105.09	112.60
1	1U	14	ASP	CA-CB-CG	-7.51	105.09	112.60
1	1Y	14	ASP	CA-CB-CG	-7.51	105.09	112.60
1	2Q	14	ASP	CA-CB-CG	-7.51	105.09	112.60
1	2U	14	ASP	CA-CB-CG	-7.51	105.09	112.60
1	2Y	14	ASP	CA-CB-CG	-7.51	105.09	112.60
1	42	14	ASP	CA-CB-CG	-7.51	105.09	112.60
1	46	14	ASP	CA-CB-CG	-7.51	105.09	112.60
1	5A	14	ASP	CA-CB-CG	-7.51	105.09	112.60
1	52	14	ASP	CA-CB-CG	-7.51	105.09	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	14	ASP	CA-CB-CG	-7.51	105.09	112.60
1	6A	14	ASP	CA-CB-CG	-7.51	105.09	112.60
1	1Q	94	THR	CB-CA-C	7.51	125.36	110.42
1	1U	94	THR	CB-CA-C	7.51	125.36	110.42
1	1Y	94	THR	CB-CA-C	7.51	125.36	110.42
1	2Q	94	THR	CB-CA-C	7.51	125.36	110.42
1	2U	94	THR	CB-CA-C	7.51	125.36	110.42
1	2Y	94	THR	CB-CA-C	7.51	125.36	110.42
1	42	94	THR	CB-CA-C	7.51	125.36	110.42
1	46	94	THR	CB-CA-C	7.51	125.36	110.42
1	5A	94	THR	CB-CA-C	7.51	125.36	110.42
1	52	94	THR	CB-CA-C	7.51	125.36	110.42
1	56	94	THR	CB-CA-C	7.51	125.36	110.42
1	6A	94	THR	CB-CA-C	7.51	125.36	110.42
2	1R	47	ASP	N-CA-CB	-7.50	99.63	110.36
2	1V	47	ASP	N-CA-CB	-7.50	99.63	110.36
2	1Z	47	ASP	N-CA-CB	-7.50	99.63	110.36
2	2R	47	ASP	N-CA-CB	-7.50	99.63	110.36
2	2V	47	ASP	N-CA-CB	-7.50	99.63	110.36
2	2Z	47	ASP	N-CA-CB	-7.50	99.63	110.36
2	43	47	ASP	N-CA-CB	-7.50	99.63	110.36
2	47	47	ASP	N-CA-CB	-7.50	99.63	110.36
2	5B	47	ASP	N-CA-CB	-7.50	99.63	110.36
2	53	47	ASP	N-CA-CB	-7.50	99.63	110.36
2	57	47	ASP	N-CA-CB	-7.50	99.63	110.36
2	6B	47	ASP	N-CA-CB	-7.50	99.63	110.36
2	13	222	GLN	CA-C-O	-7.50	110.58	119.35
2	17	222	GLN	CA-C-O	-7.50	110.58	119.35
2	2B	222	GLN	CA-C-O	-7.50	110.58	119.35
2	3R	222	GLN	CA-C-O	-7.50	110.58	119.35
2	3V	222	GLN	CA-C-O	-7.50	110.58	119.35
2	3Z	222	GLN	CA-C-O	-7.50	110.58	119.35
2	5F	222	GLN	CA-C-O	-7.50	110.58	119.35
2	5J	222	GLN	CA-C-O	-7.50	110.58	119.35
2	5N	222	GLN	CA-C-O	-7.50	110.58	119.35
2	63	222	GLN	CA-C-O	-7.50	110.58	119.35
2	67	222	GLN	CA-C-O	-7.50	110.58	119.35
2	7B	222	GLN	CA-C-O	-7.50	110.58	119.35
1	1E	94	THR	CB-CA-C	7.50	125.33	110.42
2	13	47	ASP	N-CA-CB	-7.50	99.64	110.36
2	17	47	ASP	N-CA-CB	-7.50	99.64	110.36
2	2B	47	ASP	N-CA-CB	-7.50	99.64	110.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	94	THR	CB-CA-C	7.50	125.33	110.42
1	22	94	THR	CB-CA-C	7.50	125.33	110.42
1	3M	94	THR	CB-CA-C	7.50	125.33	110.42
2	3R	47	ASP	N-CA-CB	-7.50	99.64	110.36
2	3V	47	ASP	N-CA-CB	-7.50	99.64	110.36
2	3Z	47	ASP	N-CA-CB	-7.50	99.64	110.36
1	36	94	THR	CB-CA-C	7.50	125.33	110.42
1	4I	94	THR	CB-CA-C	7.50	125.33	110.42
1	4Q	94	THR	CB-CA-C	7.50	125.33	110.42
2	5F	47	ASP	N-CA-CB	-7.50	99.64	110.36
2	5J	47	ASP	N-CA-CB	-7.50	99.64	110.36
2	5N	47	ASP	N-CA-CB	-7.50	99.64	110.36
1	5Y	94	THR	CB-CA-C	7.50	125.33	110.42
1	6E	94	THR	CB-CA-C	7.50	125.33	110.42
1	6Y	94	THR	CB-CA-C	7.50	125.33	110.42
2	63	47	ASP	N-CA-CB	-7.50	99.64	110.36
2	67	47	ASP	N-CA-CB	-7.50	99.64	110.36
2	7B	47	ASP	N-CA-CB	-7.50	99.64	110.36
1	7I	94	THR	CB-CA-C	7.50	125.33	110.42
1	7U	94	THR	CB-CA-C	7.50	125.33	110.42
2	1B	47	ASP	N-CA-CB	-7.49	99.64	110.36
2	1J	47	ASP	N-CA-CB	-7.49	99.64	110.36
1	12	94	THR	CB-CA-C	7.49	125.33	110.42
1	16	94	THR	CB-CA-C	7.49	125.33	110.42
1	2A	94	THR	CB-CA-C	7.49	125.33	110.42
2	2F	47	ASP	N-CA-CB	-7.49	99.64	110.36
2	27	47	ASP	N-CA-CB	-7.49	99.64	110.36
2	3F	47	ASP	N-CA-CB	-7.49	99.64	110.36
1	3Q	94	THR	CB-CA-C	7.49	125.33	110.42
1	3U	94	THR	CB-CA-C	7.49	125.33	110.42
1	3Y	94	THR	CB-CA-C	7.49	125.33	110.42
2	4B	47	ASP	N-CA-CB	-7.49	99.64	110.36
2	4N	47	ASP	N-CA-CB	-7.49	99.64	110.36
2	4V	47	ASP	N-CA-CB	-7.49	99.64	110.36
1	5E	94	THR	CB-CA-C	7.49	125.33	110.42
1	5I	94	THR	CB-CA-C	7.49	125.33	110.42
1	5M	94	THR	CB-CA-C	7.49	125.33	110.42
2	5R	47	ASP	N-CA-CB	-7.49	99.64	110.36
2	6J	47	ASP	N-CA-CB	-7.49	99.64	110.36
2	6R	47	ASP	N-CA-CB	-7.49	99.64	110.36
1	62	94	THR	CB-CA-C	7.49	125.33	110.42
1	66	94	THR	CB-CA-C	7.49	125.33	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7A	94	THR	CB-CA-C	7.49	125.33	110.42
2	7N	47	ASP	N-CA-CB	-7.49	99.64	110.36
2	1B	150	VAL	CB-CA-C	-7.49	99.00	111.29
2	1J	150	VAL	CB-CA-C	-7.49	99.00	111.29
2	2F	150	VAL	CB-CA-C	-7.49	99.00	111.29
2	27	150	VAL	CB-CA-C	-7.49	99.00	111.29
2	3F	150	VAL	CB-CA-C	-7.49	99.00	111.29
2	4B	150	VAL	CB-CA-C	-7.49	99.00	111.29
2	4N	150	VAL	CB-CA-C	-7.49	99.00	111.29
2	4V	150	VAL	CB-CA-C	-7.49	99.00	111.29
2	5R	150	VAL	CB-CA-C	-7.49	99.00	111.29
2	6J	150	VAL	CB-CA-C	-7.49	99.00	111.29
2	6R	150	VAL	CB-CA-C	-7.49	99.00	111.29
2	7N	150	VAL	CB-CA-C	-7.49	99.00	111.29
2	13	150	VAL	CB-CA-C	-7.49	99.01	111.29
2	17	150	VAL	CB-CA-C	-7.49	99.01	111.29
2	2B	150	VAL	CB-CA-C	-7.49	99.01	111.29
2	3R	150	VAL	CB-CA-C	-7.49	99.01	111.29
2	3V	150	VAL	CB-CA-C	-7.49	99.01	111.29
2	3Z	150	VAL	CB-CA-C	-7.49	99.01	111.29
2	5F	150	VAL	CB-CA-C	-7.49	99.01	111.29
2	5J	150	VAL	CB-CA-C	-7.49	99.01	111.29
2	5N	150	VAL	CB-CA-C	-7.49	99.01	111.29
2	63	150	VAL	CB-CA-C	-7.49	99.01	111.29
2	67	150	VAL	CB-CA-C	-7.49	99.01	111.29
2	7B	150	VAL	CB-CA-C	-7.49	99.01	111.29
1	1M	94	THR	CB-CA-C	7.49	125.32	110.42
1	1M	180	VAL	CG1-CB-CG2	-7.49	94.33	110.80
1	2I	94	THR	CB-CA-C	7.49	125.32	110.42
1	2I	180	VAL	CG1-CB-CG2	-7.49	94.33	110.80
1	3A	94	THR	CB-CA-C	7.49	125.32	110.42
1	3A	180	VAL	CG1-CB-CG2	-7.49	94.33	110.80
1	3I	94	THR	CB-CA-C	7.49	125.32	110.42
1	3I	180	VAL	CG1-CB-CG2	-7.49	94.33	110.80
1	32	94	THR	CB-CA-C	7.49	125.32	110.42
1	32	180	VAL	CG1-CB-CG2	-7.49	94.33	110.80
1	4E	94	THR	CB-CA-C	7.49	125.32	110.42
1	4E	180	VAL	CG1-CB-CG2	-7.49	94.33	110.80
1	4Y	94	THR	CB-CA-C	7.49	125.32	110.42
1	4Y	180	VAL	CG1-CB-CG2	-7.49	94.33	110.80
1	5U	94	THR	CB-CA-C	7.49	125.32	110.42
1	5U	180	VAL	CG1-CB-CG2	-7.49	94.33	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6M	94	THR	CB-CA-C	7.49	125.32	110.42
1	6M	180	VAL	CG1-CB-CG2	-7.49	94.33	110.80
1	6U	94	THR	CB-CA-C	7.49	125.32	110.42
1	6U	180	VAL	CG1-CB-CG2	-7.49	94.33	110.80
1	7E	94	THR	CB-CA-C	7.49	125.32	110.42
1	7E	180	VAL	CG1-CB-CG2	-7.49	94.33	110.80
1	7Q	94	THR	CB-CA-C	7.49	125.32	110.42
1	7Q	180	VAL	CG1-CB-CG2	-7.49	94.33	110.80
1	1A	94	THR	CB-CA-C	7.48	125.31	110.42
2	1B	222	GLN	CA-C-O	-7.48	110.60	119.35
1	1I	94	THR	CB-CA-C	7.48	125.31	110.42
2	1J	222	GLN	CA-C-O	-7.48	110.60	119.35
1	2E	94	THR	CB-CA-C	7.48	125.31	110.42
2	2F	222	GLN	CA-C-O	-7.48	110.60	119.35
1	26	94	THR	CB-CA-C	7.48	125.31	110.42
2	27	222	GLN	CA-C-O	-7.48	110.60	119.35
1	3E	94	THR	CB-CA-C	7.48	125.31	110.42
2	3F	222	GLN	CA-C-O	-7.48	110.60	119.35
1	4A	94	THR	CB-CA-C	7.48	125.31	110.42
2	4B	222	GLN	CA-C-O	-7.48	110.60	119.35
1	4M	94	THR	CB-CA-C	7.48	125.31	110.42
2	4N	222	GLN	CA-C-O	-7.48	110.60	119.35
1	4U	94	THR	CB-CA-C	7.48	125.31	110.42
2	4V	222	GLN	CA-C-O	-7.48	110.60	119.35
1	5Q	94	THR	CB-CA-C	7.48	125.31	110.42
2	5R	222	GLN	CA-C-O	-7.48	110.60	119.35
1	6I	94	THR	CB-CA-C	7.48	125.31	110.42
2	6J	222	GLN	CA-C-O	-7.48	110.60	119.35
1	6Q	94	THR	CB-CA-C	7.48	125.31	110.42
2	6R	222	GLN	CA-C-O	-7.48	110.60	119.35
1	7M	94	THR	CB-CA-C	7.48	125.31	110.42
2	7N	222	GLN	CA-C-O	-7.48	110.60	119.35
2	1F	150	VAL	CB-CA-C	-7.48	99.02	111.29
2	1R	150	VAL	CB-CA-C	-7.48	99.03	111.29
2	1V	150	VAL	CB-CA-C	-7.48	99.03	111.29
2	1Z	150	VAL	CB-CA-C	-7.48	99.03	111.29
2	2N	150	VAL	CB-CA-C	-7.48	99.02	111.29
2	2R	150	VAL	CB-CA-C	-7.48	99.03	111.29
2	2V	150	VAL	CB-CA-C	-7.48	99.03	111.29
2	2Z	150	VAL	CB-CA-C	-7.48	99.03	111.29
2	23	150	VAL	CB-CA-C	-7.48	99.02	111.29
2	3N	150	VAL	CB-CA-C	-7.48	99.02	111.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	150	VAL	CB-CA-C	-7.48	99.02	111.29
2	4J	150	VAL	CB-CA-C	-7.48	99.02	111.29
2	4R	150	VAL	CB-CA-C	-7.48	99.02	111.29
2	43	150	VAL	CB-CA-C	-7.48	99.03	111.29
2	47	150	VAL	CB-CA-C	-7.48	99.03	111.29
2	5B	150	VAL	CB-CA-C	-7.48	99.03	111.29
2	5Z	150	VAL	CB-CA-C	-7.48	99.02	111.29
2	53	150	VAL	CB-CA-C	-7.48	99.03	111.29
2	57	150	VAL	CB-CA-C	-7.48	99.03	111.29
2	6B	150	VAL	CB-CA-C	-7.48	99.03	111.29
2	6F	150	VAL	CB-CA-C	-7.48	99.02	111.29
2	6Z	150	VAL	CB-CA-C	-7.48	99.02	111.29
2	7J	150	VAL	CB-CA-C	-7.48	99.02	111.29
2	7V	150	VAL	CB-CA-C	-7.48	99.02	111.29
1	1A	14	ASP	CA-CB-CG	-7.48	105.12	112.60
1	1I	14	ASP	CA-CB-CG	-7.48	105.12	112.60
1	1M	152	SER	CB-CA-C	-7.48	98.85	110.81
1	2E	14	ASP	CA-CB-CG	-7.48	105.12	112.60
1	2I	152	SER	CB-CA-C	-7.48	98.85	110.81
1	26	14	ASP	CA-CB-CG	-7.48	105.12	112.60
1	3A	152	SER	CB-CA-C	-7.48	98.85	110.81
1	3E	14	ASP	CA-CB-CG	-7.48	105.12	112.60
1	3I	152	SER	CB-CA-C	-7.48	98.85	110.81
1	32	152	SER	CB-CA-C	-7.48	98.85	110.81
1	4A	14	ASP	CA-CB-CG	-7.48	105.12	112.60
1	4E	152	SER	CB-CA-C	-7.48	98.85	110.81
1	4M	14	ASP	CA-CB-CG	-7.48	105.12	112.60
1	4U	14	ASP	CA-CB-CG	-7.48	105.12	112.60
1	4Y	152	SER	CB-CA-C	-7.48	98.85	110.81
1	5Q	14	ASP	CA-CB-CG	-7.48	105.12	112.60
1	5U	152	SER	CB-CA-C	-7.48	98.85	110.81
1	6I	14	ASP	CA-CB-CG	-7.48	105.12	112.60
1	6M	152	SER	CB-CA-C	-7.48	98.85	110.81
1	6Q	14	ASP	CA-CB-CG	-7.48	105.12	112.60
1	6U	152	SER	CB-CA-C	-7.48	98.85	110.81
1	7E	152	SER	CB-CA-C	-7.48	98.85	110.81
1	7M	14	ASP	CA-CB-CG	-7.48	105.12	112.60
1	7Q	152	SER	CB-CA-C	-7.48	98.85	110.81
1	1E	152	SER	CB-CA-C	-7.48	98.85	110.81
1	2M	152	SER	CB-CA-C	-7.48	98.85	110.81
1	22	152	SER	CB-CA-C	-7.48	98.85	110.81
1	3M	152	SER	CB-CA-C	-7.48	98.85	110.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	152	SER	CB-CA-C	-7.48	98.85	110.81
1	4I	152	SER	CB-CA-C	-7.48	98.85	110.81
1	4Q	152	SER	CB-CA-C	-7.48	98.85	110.81
1	5Y	152	SER	CB-CA-C	-7.48	98.85	110.81
1	6E	152	SER	CB-CA-C	-7.48	98.85	110.81
1	6Y	152	SER	CB-CA-C	-7.48	98.85	110.81
1	7I	152	SER	CB-CA-C	-7.48	98.85	110.81
1	7U	152	SER	CB-CA-C	-7.48	98.85	110.81
1	1M	14	ASP	CA-CB-CG	-7.47	105.13	112.60
2	1N	150	VAL	CB-CA-C	-7.47	99.04	111.29
1	1Q	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	1U	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	1Y	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	2I	14	ASP	CA-CB-CG	-7.47	105.13	112.60
2	2J	150	VAL	CB-CA-C	-7.47	99.04	111.29
1	2Q	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	2U	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	2Y	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	3A	14	ASP	CA-CB-CG	-7.47	105.13	112.60
2	3B	150	VAL	CB-CA-C	-7.47	99.04	111.29
1	3I	14	ASP	CA-CB-CG	-7.47	105.13	112.60
2	3J	150	VAL	CB-CA-C	-7.47	99.04	111.29
1	32	14	ASP	CA-CB-CG	-7.47	105.13	112.60
2	33	150	VAL	CB-CA-C	-7.47	99.04	111.29
1	4E	14	ASP	CA-CB-CG	-7.47	105.13	112.60
2	4F	150	VAL	CB-CA-C	-7.47	99.04	111.29
1	4Y	14	ASP	CA-CB-CG	-7.47	105.13	112.60
2	4Z	150	VAL	CB-CA-C	-7.47	99.04	111.29
1	42	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	46	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	5A	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	5U	14	ASP	CA-CB-CG	-7.47	105.13	112.60
2	5V	150	VAL	CB-CA-C	-7.47	99.04	111.29
1	52	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	56	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	6A	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	6M	14	ASP	CA-CB-CG	-7.47	105.13	112.60
2	6N	150	VAL	CB-CA-C	-7.47	99.04	111.29
1	6U	14	ASP	CA-CB-CG	-7.47	105.13	112.60
2	6V	150	VAL	CB-CA-C	-7.47	99.04	111.29
1	7E	14	ASP	CA-CB-CG	-7.47	105.13	112.60
2	7F	150	VAL	CB-CA-C	-7.47	99.04	111.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	14	ASP	CA-CB-CG	-7.47	105.13	112.60
2	7R	150	VAL	CB-CA-C	-7.47	99.04	111.29
1	1A	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	1I	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	12	9	PHE	CE1-CZ-CE2	-7.47	106.55	120.00
1	16	9	PHE	CE1-CZ-CE2	-7.47	106.55	120.00
1	2A	9	PHE	CE1-CZ-CE2	-7.47	106.55	120.00
1	2E	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	26	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	3E	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	3Q	9	PHE	CE1-CZ-CE2	-7.47	106.55	120.00
1	3U	9	PHE	CE1-CZ-CE2	-7.47	106.55	120.00
1	3Y	9	PHE	CE1-CZ-CE2	-7.47	106.55	120.00
1	4A	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	4M	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	4U	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	5E	9	PHE	CE1-CZ-CE2	-7.47	106.55	120.00
1	5I	9	PHE	CE1-CZ-CE2	-7.47	106.55	120.00
1	5M	9	PHE	CE1-CZ-CE2	-7.47	106.55	120.00
1	5Q	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	6I	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	6Q	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
1	62	9	PHE	CE1-CZ-CE2	-7.47	106.55	120.00
1	66	9	PHE	CE1-CZ-CE2	-7.47	106.55	120.00
1	7A	9	PHE	CE1-CZ-CE2	-7.47	106.55	120.00
1	7M	180	VAL	CG1-CB-CG2	-7.47	94.36	110.80
2	1R	222	GLN	CA-C-O	-7.47	110.61	119.35
2	1V	222	GLN	CA-C-O	-7.47	110.61	119.35
2	1Z	222	GLN	CA-C-O	-7.47	110.61	119.35
1	12	152	SER	CB-CA-C	-7.47	98.86	110.81
1	16	152	SER	CB-CA-C	-7.47	98.86	110.81
1	2A	152	SER	CB-CA-C	-7.47	98.86	110.81
2	2R	222	GLN	CA-C-O	-7.47	110.61	119.35
2	2V	222	GLN	CA-C-O	-7.47	110.61	119.35
2	2Z	222	GLN	CA-C-O	-7.47	110.61	119.35
1	3Q	152	SER	CB-CA-C	-7.47	98.86	110.81
1	3U	152	SER	CB-CA-C	-7.47	98.86	110.81
1	3Y	152	SER	CB-CA-C	-7.47	98.86	110.81
2	43	222	GLN	CA-C-O	-7.47	110.61	119.35
2	47	222	GLN	CA-C-O	-7.47	110.61	119.35
2	5B	222	GLN	CA-C-O	-7.47	110.61	119.35
1	5E	152	SER	CB-CA-C	-7.47	98.86	110.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5I	152	SER	CB-CA-C	-7.47	98.86	110.81
1	5M	152	SER	CB-CA-C	-7.47	98.86	110.81
2	53	222	GLN	CA-C-O	-7.47	110.61	119.35
2	57	222	GLN	CA-C-O	-7.47	110.61	119.35
2	6B	222	GLN	CA-C-O	-7.47	110.61	119.35
1	62	152	SER	CB-CA-C	-7.47	98.86	110.81
1	66	152	SER	CB-CA-C	-7.47	98.86	110.81
1	7A	152	SER	CB-CA-C	-7.47	98.86	110.81
1	1A	152	SER	CB-CA-C	-7.47	98.86	110.81
1	1E	180	VAL	CG1-CB-CG2	-7.47	94.37	110.80
1	1I	152	SER	CB-CA-C	-7.47	98.86	110.81
1	12	180	VAL	CG1-CB-CG2	-7.47	94.38	110.80
1	16	180	VAL	CG1-CB-CG2	-7.47	94.38	110.80
1	2A	180	VAL	CG1-CB-CG2	-7.47	94.38	110.80
1	2E	152	SER	CB-CA-C	-7.47	98.86	110.81
1	2M	180	VAL	CG1-CB-CG2	-7.47	94.37	110.80
1	22	180	VAL	CG1-CB-CG2	-7.47	94.37	110.80
1	26	152	SER	CB-CA-C	-7.47	98.86	110.81
1	3E	152	SER	CB-CA-C	-7.47	98.86	110.81
1	3M	180	VAL	CG1-CB-CG2	-7.47	94.37	110.80
1	3Q	180	VAL	CG1-CB-CG2	-7.47	94.38	110.80
1	3U	180	VAL	CG1-CB-CG2	-7.47	94.38	110.80
1	3Y	180	VAL	CG1-CB-CG2	-7.47	94.38	110.80
1	36	180	VAL	CG1-CB-CG2	-7.47	94.37	110.80
1	4A	152	SER	CB-CA-C	-7.47	98.86	110.81
1	4I	180	VAL	CG1-CB-CG2	-7.47	94.37	110.80
1	4M	152	SER	CB-CA-C	-7.47	98.86	110.81
1	4Q	180	VAL	CG1-CB-CG2	-7.47	94.37	110.80
1	4U	152	SER	CB-CA-C	-7.47	98.86	110.81
1	5E	180	VAL	CG1-CB-CG2	-7.47	94.38	110.80
1	5I	180	VAL	CG1-CB-CG2	-7.47	94.38	110.80
1	5M	180	VAL	CG1-CB-CG2	-7.47	94.38	110.80
1	5Q	152	SER	CB-CA-C	-7.47	98.86	110.81
1	5Y	180	VAL	CG1-CB-CG2	-7.47	94.37	110.80
1	6E	180	VAL	CG1-CB-CG2	-7.47	94.37	110.80
1	6I	152	SER	CB-CA-C	-7.47	98.86	110.81
1	6Q	152	SER	CB-CA-C	-7.47	98.86	110.81
1	6Y	180	VAL	CG1-CB-CG2	-7.47	94.37	110.80
1	62	180	VAL	CG1-CB-CG2	-7.47	94.38	110.80
1	66	180	VAL	CG1-CB-CG2	-7.47	94.38	110.80
1	7A	180	VAL	CG1-CB-CG2	-7.47	94.38	110.80
1	7I	180	VAL	CG1-CB-CG2	-7.47	94.37	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	152	SER	CB-CA-C	-7.47	98.86	110.81
1	7U	180	VAL	CG1-CB-CG2	-7.47	94.37	110.80
1	1Q	152	SER	CB-CA-C	-7.46	98.87	110.81
1	1U	152	SER	CB-CA-C	-7.46	98.87	110.81
1	1Y	152	SER	CB-CA-C	-7.46	98.87	110.81
1	2Q	152	SER	CB-CA-C	-7.46	98.87	110.81
1	2U	152	SER	CB-CA-C	-7.46	98.87	110.81
1	2Y	152	SER	CB-CA-C	-7.46	98.87	110.81
1	42	152	SER	CB-CA-C	-7.46	98.87	110.81
1	46	152	SER	CB-CA-C	-7.46	98.87	110.81
1	5A	152	SER	CB-CA-C	-7.46	98.87	110.81
1	52	152	SER	CB-CA-C	-7.46	98.87	110.81
1	56	152	SER	CB-CA-C	-7.46	98.87	110.81
1	6A	152	SER	CB-CA-C	-7.46	98.87	110.81
1	1M	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	1Q	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	1U	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	1Y	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	2I	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	2Q	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	2U	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	2Y	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	3A	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	3I	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	32	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	4E	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	4Y	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	42	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	46	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	5A	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	5U	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	52	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	56	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	6A	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	6M	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	6U	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	7E	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	7Q	9	PHE	CE1-CZ-CE2	-7.46	106.58	120.00
1	1E	14	ASP	CA-CB-CG	-7.46	105.14	112.60
1	2M	14	ASP	CA-CB-CG	-7.46	105.14	112.60
1	22	14	ASP	CA-CB-CG	-7.46	105.14	112.60
1	3M	14	ASP	CA-CB-CG	-7.46	105.14	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	14	ASP	CA-CB-CG	-7.46	105.14	112.60
1	4I	14	ASP	CA-CB-CG	-7.46	105.14	112.60
1	4Q	14	ASP	CA-CB-CG	-7.46	105.14	112.60
1	5Y	14	ASP	CA-CB-CG	-7.46	105.14	112.60
1	6E	14	ASP	CA-CB-CG	-7.46	105.14	112.60
1	6Y	14	ASP	CA-CB-CG	-7.46	105.14	112.60
1	7I	14	ASP	CA-CB-CG	-7.46	105.14	112.60
1	7U	14	ASP	CA-CB-CG	-7.46	105.14	112.60
1	1A	43	HIS	CA-CB-CG	-7.45	106.35	113.80
1	1I	43	HIS	CA-CB-CG	-7.45	106.35	113.80
1	2E	43	HIS	CA-CB-CG	-7.45	106.35	113.80
1	26	43	HIS	CA-CB-CG	-7.45	106.35	113.80
1	3E	43	HIS	CA-CB-CG	-7.45	106.35	113.80
1	4A	43	HIS	CA-CB-CG	-7.45	106.35	113.80
1	4M	43	HIS	CA-CB-CG	-7.45	106.35	113.80
1	4U	43	HIS	CA-CB-CG	-7.45	106.35	113.80
1	5Q	43	HIS	CA-CB-CG	-7.45	106.35	113.80
1	6I	43	HIS	CA-CB-CG	-7.45	106.35	113.80
1	6Q	43	HIS	CA-CB-CG	-7.45	106.35	113.80
1	7M	43	HIS	CA-CB-CG	-7.45	106.35	113.80
1	1E	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
1	2M	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
1	22	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
1	3M	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
1	36	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
1	4I	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
1	4Q	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
1	5Y	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
1	6E	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
1	6Y	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
1	7I	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
1	7U	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
1	1A	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
1	1E	170	ALA	CA-C-O	7.45	128.55	119.31
1	1I	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
2	1N	222	GLN	CA-C-O	-7.45	110.64	119.35
2	1R	70	TRP	CB-CG-CD1	7.45	138.07	126.90
2	1V	70	TRP	CB-CG-CD1	7.45	138.07	126.90
2	1Z	70	TRP	CB-CG-CD1	7.45	138.07	126.90
1	2E	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
2	2J	222	GLN	CA-C-O	-7.45	110.64	119.35
1	2M	170	ALA	CA-C-O	7.45	128.55	119.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2R	70	TRP	CB-CG-CD1	7.45	138.07	126.90
2	2V	70	TRP	CB-CG-CD1	7.45	138.07	126.90
2	2Z	70	TRP	CB-CG-CD1	7.45	138.07	126.90
1	22	170	ALA	CA-C-O	7.45	128.55	119.31
1	26	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
2	3B	222	GLN	CA-C-O	-7.45	110.64	119.35
1	3E	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
2	3J	222	GLN	CA-C-O	-7.45	110.64	119.35
1	3M	170	ALA	CA-C-O	7.45	128.55	119.31
2	33	222	GLN	CA-C-O	-7.45	110.64	119.35
1	36	170	ALA	CA-C-O	7.45	128.55	119.31
1	4A	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
2	4F	222	GLN	CA-C-O	-7.45	110.64	119.35
1	4I	170	ALA	CA-C-O	7.45	128.55	119.31
1	4M	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
1	4Q	170	ALA	CA-C-O	7.45	128.55	119.31
1	4U	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
2	4Z	222	GLN	CA-C-O	-7.45	110.64	119.35
2	43	70	TRP	CB-CG-CD1	7.45	138.07	126.90
2	47	70	TRP	CB-CG-CD1	7.45	138.07	126.90
2	5B	70	TRP	CB-CG-CD1	7.45	138.07	126.90
1	5Q	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
2	5V	222	GLN	CA-C-O	-7.45	110.64	119.35
1	5Y	170	ALA	CA-C-O	7.45	128.55	119.31
2	53	70	TRP	CB-CG-CD1	7.45	138.07	126.90
2	57	70	TRP	CB-CG-CD1	7.45	138.07	126.90
2	6B	70	TRP	CB-CG-CD1	7.45	138.07	126.90
1	6E	170	ALA	CA-C-O	7.45	128.55	119.31
1	6I	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
2	6N	222	GLN	CA-C-O	-7.45	110.64	119.35
1	6Q	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
2	6V	222	GLN	CA-C-O	-7.45	110.64	119.35
1	6Y	170	ALA	CA-C-O	7.45	128.55	119.31
2	7F	222	GLN	CA-C-O	-7.45	110.64	119.35
1	7I	170	ALA	CA-C-O	7.45	128.55	119.31
1	7M	9	PHE	CE1-CZ-CE2	-7.45	106.59	120.00
2	7R	222	GLN	CA-C-O	-7.45	110.64	119.35
1	7U	170	ALA	CA-C-O	7.45	128.55	119.31
1	12	14	ASP	CA-CB-CG	-7.45	105.15	112.60
1	16	14	ASP	CA-CB-CG	-7.45	105.15	112.60
1	2A	14	ASP	CA-CB-CG	-7.45	105.15	112.60
1	3Q	14	ASP	CA-CB-CG	-7.45	105.15	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	14	ASP	CA-CB-CG	-7.45	105.15	112.60
1	3Y	14	ASP	CA-CB-CG	-7.45	105.15	112.60
1	5E	14	ASP	CA-CB-CG	-7.45	105.15	112.60
1	5I	14	ASP	CA-CB-CG	-7.45	105.15	112.60
1	5M	14	ASP	CA-CB-CG	-7.45	105.15	112.60
1	62	14	ASP	CA-CB-CG	-7.45	105.15	112.60
1	66	14	ASP	CA-CB-CG	-7.45	105.15	112.60
1	7A	14	ASP	CA-CB-CG	-7.45	105.15	112.60
2	1F	70	TRP	CB-CG-CD1	7.44	138.07	126.90
2	2N	70	TRP	CB-CG-CD1	7.44	138.07	126.90
2	23	70	TRP	CB-CG-CD1	7.44	138.07	126.90
2	3N	70	TRP	CB-CG-CD1	7.44	138.07	126.90
2	37	70	TRP	CB-CG-CD1	7.44	138.07	126.90
2	4J	70	TRP	CB-CG-CD1	7.44	138.07	126.90
2	4R	70	TRP	CB-CG-CD1	7.44	138.07	126.90
2	5Z	70	TRP	CB-CG-CD1	7.44	138.07	126.90
2	6F	70	TRP	CB-CG-CD1	7.44	138.07	126.90
2	6Z	70	TRP	CB-CG-CD1	7.44	138.07	126.90
2	7J	70	TRP	CB-CG-CD1	7.44	138.07	126.90
2	7V	70	TRP	CB-CG-CD1	7.44	138.07	126.90
1	1M	170	ALA	CA-C-O	7.44	128.54	119.31
1	1Q	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	1U	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	1Y	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	2I	170	ALA	CA-C-O	7.44	128.54	119.31
1	2Q	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	2U	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	2Y	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	3A	170	ALA	CA-C-O	7.44	128.54	119.31
1	3I	170	ALA	CA-C-O	7.44	128.54	119.31
1	32	170	ALA	CA-C-O	7.44	128.54	119.31
1	4E	170	ALA	CA-C-O	7.44	128.54	119.31
1	4Y	170	ALA	CA-C-O	7.44	128.54	119.31
1	42	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	46	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	5A	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	5U	170	ALA	CA-C-O	7.44	128.54	119.31
1	52	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	56	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	6A	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	6M	170	ALA	CA-C-O	7.44	128.54	119.31
1	6U	170	ALA	CA-C-O	7.44	128.54	119.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	170	ALA	CA-C-O	7.44	128.54	119.31
1	7Q	170	ALA	CA-C-O	7.44	128.54	119.31
1	1E	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	12	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	16	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	2A	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	2M	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	22	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	3M	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	3Q	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	3U	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	3Y	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	36	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	4I	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	4Q	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	5E	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	5I	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	5M	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	5Y	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	6E	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	6Y	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	62	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	66	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	7A	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	7I	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	7U	43	HIS	CA-CB-CG	-7.44	106.36	113.80
1	1A	170	ALA	CA-C-O	7.44	128.53	119.31
2	1B	70	TRP	CB-CG-CD1	7.44	138.06	126.90
1	1I	170	ALA	CA-C-O	7.44	128.53	119.31
2	1J	70	TRP	CB-CG-CD1	7.44	138.06	126.90
1	2E	170	ALA	CA-C-O	7.44	128.53	119.31
2	2F	70	TRP	CB-CG-CD1	7.44	138.06	126.90
1	26	170	ALA	CA-C-O	7.44	128.53	119.31
2	27	70	TRP	CB-CG-CD1	7.44	138.06	126.90
1	3E	170	ALA	CA-C-O	7.44	128.53	119.31
2	3F	70	TRP	CB-CG-CD1	7.44	138.06	126.90
1	4A	170	ALA	CA-C-O	7.44	128.53	119.31
2	4B	70	TRP	CB-CG-CD1	7.44	138.06	126.90
1	4M	170	ALA	CA-C-O	7.44	128.53	119.31
2	4N	70	TRP	CB-CG-CD1	7.44	138.06	126.90
1	4U	170	ALA	CA-C-O	7.44	128.53	119.31
2	4V	70	TRP	CB-CG-CD1	7.44	138.06	126.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Q	170	ALA	CA-C-O	7.44	128.53	119.31
2	5R	70	TRP	CB-CG-CD1	7.44	138.06	126.90
1	6I	170	ALA	CA-C-O	7.44	128.53	119.31
2	6J	70	TRP	CB-CG-CD1	7.44	138.06	126.90
1	6Q	170	ALA	CA-C-O	7.44	128.53	119.31
2	6R	70	TRP	CB-CG-CD1	7.44	138.06	126.90
1	7M	170	ALA	CA-C-O	7.44	128.53	119.31
2	7N	70	TRP	CB-CG-CD1	7.44	138.06	126.90
2	1F	222	GLN	CA-C-O	-7.44	110.65	119.35
2	2N	222	GLN	CA-C-O	-7.44	110.65	119.35
2	23	222	GLN	CA-C-O	-7.44	110.65	119.35
2	3N	222	GLN	CA-C-O	-7.44	110.65	119.35
2	37	222	GLN	CA-C-O	-7.44	110.65	119.35
2	4J	222	GLN	CA-C-O	-7.44	110.65	119.35
2	4R	222	GLN	CA-C-O	-7.44	110.65	119.35
2	5Z	222	GLN	CA-C-O	-7.44	110.65	119.35
2	6F	222	GLN	CA-C-O	-7.44	110.65	119.35
2	6Z	222	GLN	CA-C-O	-7.44	110.65	119.35
2	7J	222	GLN	CA-C-O	-7.44	110.65	119.35
2	7V	222	GLN	CA-C-O	-7.44	110.65	119.35
2	13	70	TRP	CB-CG-CD1	7.43	138.05	126.90
2	17	70	TRP	CB-CG-CD1	7.43	138.05	126.90
2	2B	70	TRP	CB-CG-CD1	7.43	138.05	126.90
2	3R	70	TRP	CB-CG-CD1	7.43	138.05	126.90
2	3V	70	TRP	CB-CG-CD1	7.43	138.05	126.90
2	3Z	70	TRP	CB-CG-CD1	7.43	138.05	126.90
2	5F	70	TRP	CB-CG-CD1	7.43	138.05	126.90
2	5J	70	TRP	CB-CG-CD1	7.43	138.05	126.90
2	5N	70	TRP	CB-CG-CD1	7.43	138.05	126.90
2	63	70	TRP	CB-CG-CD1	7.43	138.05	126.90
2	67	70	TRP	CB-CG-CD1	7.43	138.05	126.90
2	7B	70	TRP	CB-CG-CD1	7.43	138.05	126.90
1	1M	43	HIS	CA-CB-CG	-7.43	106.37	113.80
1	2I	43	HIS	CA-CB-CG	-7.43	106.37	113.80
1	3A	43	HIS	CA-CB-CG	-7.43	106.37	113.80
1	3I	43	HIS	CA-CB-CG	-7.43	106.37	113.80
1	32	43	HIS	CA-CB-CG	-7.43	106.37	113.80
1	4E	43	HIS	CA-CB-CG	-7.43	106.37	113.80
1	4Y	43	HIS	CA-CB-CG	-7.43	106.37	113.80
1	5U	43	HIS	CA-CB-CG	-7.43	106.37	113.80
1	6M	43	HIS	CA-CB-CG	-7.43	106.37	113.80
1	6U	43	HIS	CA-CB-CG	-7.43	106.37	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	43	HIS	CA-CB-CG	-7.43	106.37	113.80
1	7Q	43	HIS	CA-CB-CG	-7.43	106.37	113.80
1	12	23	GLY	N-CA-C	-7.42	95.61	113.18
1	16	23	GLY	N-CA-C	-7.42	95.61	113.18
1	2A	23	GLY	N-CA-C	-7.42	95.61	113.18
1	3Q	23	GLY	N-CA-C	-7.42	95.61	113.18
1	3U	23	GLY	N-CA-C	-7.42	95.61	113.18
1	3Y	23	GLY	N-CA-C	-7.42	95.61	113.18
1	5E	23	GLY	N-CA-C	-7.42	95.61	113.18
1	5I	23	GLY	N-CA-C	-7.42	95.61	113.18
1	5M	23	GLY	N-CA-C	-7.42	95.61	113.18
1	62	23	GLY	N-CA-C	-7.42	95.61	113.18
1	66	23	GLY	N-CA-C	-7.42	95.61	113.18
1	7A	23	GLY	N-CA-C	-7.42	95.61	113.18
1	1M	23	GLY	N-CA-C	-7.41	95.62	113.18
1	12	170	ALA	CA-C-O	7.41	128.50	119.31
1	16	170	ALA	CA-C-O	7.41	128.50	119.31
1	2A	170	ALA	CA-C-O	7.41	128.50	119.31
1	2I	23	GLY	N-CA-C	-7.41	95.62	113.18
1	3A	23	GLY	N-CA-C	-7.41	95.62	113.18
1	3I	23	GLY	N-CA-C	-7.41	95.62	113.18
1	3Q	170	ALA	CA-C-O	7.41	128.50	119.31
1	3U	170	ALA	CA-C-O	7.41	128.50	119.31
1	3Y	170	ALA	CA-C-O	7.41	128.50	119.31
1	32	23	GLY	N-CA-C	-7.41	95.62	113.18
1	4E	23	GLY	N-CA-C	-7.41	95.62	113.18
1	4Y	23	GLY	N-CA-C	-7.41	95.62	113.18
1	5E	170	ALA	CA-C-O	7.41	128.50	119.31
1	5I	170	ALA	CA-C-O	7.41	128.50	119.31
1	5M	170	ALA	CA-C-O	7.41	128.50	119.31
1	5U	23	GLY	N-CA-C	-7.41	95.62	113.18
1	6M	23	GLY	N-CA-C	-7.41	95.62	113.18
1	6U	23	GLY	N-CA-C	-7.41	95.62	113.18
1	62	170	ALA	CA-C-O	7.41	128.50	119.31
1	66	170	ALA	CA-C-O	7.41	128.50	119.31
1	7A	170	ALA	CA-C-O	7.41	128.50	119.31
1	7E	23	GLY	N-CA-C	-7.41	95.62	113.18
1	7Q	23	GLY	N-CA-C	-7.41	95.62	113.18
1	1E	23	GLY	N-CA-C	-7.41	95.62	113.18
1	2M	23	GLY	N-CA-C	-7.41	95.62	113.18
1	22	23	GLY	N-CA-C	-7.41	95.62	113.18
1	3M	23	GLY	N-CA-C	-7.41	95.62	113.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	23	GLY	N-CA-C	-7.41	95.62	113.18
1	4I	23	GLY	N-CA-C	-7.41	95.62	113.18
1	4Q	23	GLY	N-CA-C	-7.41	95.62	113.18
1	5Y	23	GLY	N-CA-C	-7.41	95.62	113.18
1	6E	23	GLY	N-CA-C	-7.41	95.62	113.18
1	6Y	23	GLY	N-CA-C	-7.41	95.62	113.18
1	7I	23	GLY	N-CA-C	-7.41	95.62	113.18
1	7U	23	GLY	N-CA-C	-7.41	95.62	113.18
1	1A	23	GLY	N-CA-C	-7.41	95.63	113.18
1	1I	23	GLY	N-CA-C	-7.41	95.63	113.18
1	2E	23	GLY	N-CA-C	-7.41	95.63	113.18
1	26	23	GLY	N-CA-C	-7.41	95.63	113.18
1	3E	23	GLY	N-CA-C	-7.41	95.63	113.18
1	4A	23	GLY	N-CA-C	-7.41	95.63	113.18
1	4M	23	GLY	N-CA-C	-7.41	95.63	113.18
1	4U	23	GLY	N-CA-C	-7.41	95.63	113.18
1	5Q	23	GLY	N-CA-C	-7.41	95.63	113.18
1	6I	23	GLY	N-CA-C	-7.41	95.63	113.18
1	6Q	23	GLY	N-CA-C	-7.41	95.63	113.18
1	7M	23	GLY	N-CA-C	-7.41	95.63	113.18
1	1M	96	ASP	O-C-N	-7.40	112.49	122.41
1	2I	96	ASP	O-C-N	-7.40	112.49	122.41
1	3A	96	ASP	O-C-N	-7.40	112.49	122.41
1	3I	96	ASP	O-C-N	-7.40	112.49	122.41
1	32	96	ASP	O-C-N	-7.40	112.49	122.41
1	4E	96	ASP	O-C-N	-7.40	112.49	122.41
1	4Y	96	ASP	O-C-N	-7.40	112.49	122.41
1	5U	96	ASP	O-C-N	-7.40	112.49	122.41
1	6M	96	ASP	O-C-N	-7.40	112.49	122.41
1	6U	96	ASP	O-C-N	-7.40	112.49	122.41
1	7E	96	ASP	O-C-N	-7.40	112.49	122.41
1	7Q	96	ASP	O-C-N	-7.40	112.49	122.41
2	1N	38	VAL	CA-C-N	-7.40	112.20	122.93
2	1N	38	VAL	C-N-CA	-7.40	112.20	122.93
2	1N	70	TRP	CB-CG-CD1	7.40	138.00	126.90
1	1Q	23	GLY	N-CA-C	-7.40	95.63	113.18
1	1U	23	GLY	N-CA-C	-7.40	95.63	113.18
1	1Y	23	GLY	N-CA-C	-7.40	95.63	113.18
2	2J	38	VAL	CA-C-N	-7.40	112.20	122.93
2	2J	38	VAL	C-N-CA	-7.40	112.20	122.93
2	2J	70	TRP	CB-CG-CD1	7.40	138.00	126.90
1	2Q	23	GLY	N-CA-C	-7.40	95.63	113.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	23	GLY	N-CA-C	-7.40	95.63	113.18
1	2Y	23	GLY	N-CA-C	-7.40	95.63	113.18
2	3B	38	VAL	CA-C-N	-7.40	112.20	122.93
2	3B	38	VAL	C-N-CA	-7.40	112.20	122.93
2	3B	70	TRP	CB-CG-CD1	7.40	138.00	126.90
2	3J	38	VAL	CA-C-N	-7.40	112.20	122.93
2	3J	38	VAL	C-N-CA	-7.40	112.20	122.93
2	3J	70	TRP	CB-CG-CD1	7.40	138.00	126.90
2	33	38	VAL	CA-C-N	-7.40	112.20	122.93
2	33	38	VAL	C-N-CA	-7.40	112.20	122.93
2	33	70	TRP	CB-CG-CD1	7.40	138.00	126.90
2	4F	38	VAL	CA-C-N	-7.40	112.20	122.93
2	4F	38	VAL	C-N-CA	-7.40	112.20	122.93
2	4F	70	TRP	CB-CG-CD1	7.40	138.00	126.90
2	4Z	38	VAL	CA-C-N	-7.40	112.20	122.93
2	4Z	38	VAL	C-N-CA	-7.40	112.20	122.93
2	4Z	70	TRP	CB-CG-CD1	7.40	138.00	126.90
1	42	23	GLY	N-CA-C	-7.40	95.63	113.18
1	46	23	GLY	N-CA-C	-7.40	95.63	113.18
1	5A	23	GLY	N-CA-C	-7.40	95.63	113.18
2	5V	38	VAL	CA-C-N	-7.40	112.20	122.93
2	5V	38	VAL	C-N-CA	-7.40	112.20	122.93
2	5V	70	TRP	CB-CG-CD1	7.40	138.00	126.90
1	52	23	GLY	N-CA-C	-7.40	95.63	113.18
1	56	23	GLY	N-CA-C	-7.40	95.63	113.18
1	6A	23	GLY	N-CA-C	-7.40	95.63	113.18
2	6N	38	VAL	CA-C-N	-7.40	112.20	122.93
2	6N	38	VAL	C-N-CA	-7.40	112.20	122.93
2	6N	70	TRP	CB-CG-CD1	7.40	138.00	126.90
2	6V	38	VAL	CA-C-N	-7.40	112.20	122.93
2	6V	38	VAL	C-N-CA	-7.40	112.20	122.93
2	6V	70	TRP	CB-CG-CD1	7.40	138.00	126.90
2	7F	38	VAL	CA-C-N	-7.40	112.20	122.93
2	7F	38	VAL	C-N-CA	-7.40	112.20	122.93
2	7F	70	TRP	CB-CG-CD1	7.40	138.00	126.90
2	7R	38	VAL	CA-C-N	-7.40	112.20	122.93
2	7R	38	VAL	C-N-CA	-7.40	112.20	122.93
2	7R	70	TRP	CB-CG-CD1	7.40	138.00	126.90
2	1R	38	VAL	CA-C-N	-7.40	112.20	122.93
2	1R	38	VAL	C-N-CA	-7.40	112.20	122.93
2	1V	38	VAL	CA-C-N	-7.40	112.20	122.93
2	1V	38	VAL	C-N-CA	-7.40	112.20	122.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1Z	38	VAL	CA-C-N	-7.40	112.20	122.93
2	1Z	38	VAL	C-N-CA	-7.40	112.20	122.93
1	12	153	SER	CA-C-N	7.40	147.78	121.59
1	12	153	SER	C-N-CA	7.40	147.78	121.59
1	16	153	SER	CA-C-N	7.40	147.78	121.59
1	16	153	SER	C-N-CA	7.40	147.78	121.59
1	2A	153	SER	CA-C-N	7.40	147.78	121.59
1	2A	153	SER	C-N-CA	7.40	147.78	121.59
2	2R	38	VAL	CA-C-N	-7.40	112.20	122.93
2	2R	38	VAL	C-N-CA	-7.40	112.20	122.93
2	2V	38	VAL	CA-C-N	-7.40	112.20	122.93
2	2V	38	VAL	C-N-CA	-7.40	112.20	122.93
2	2Z	38	VAL	CA-C-N	-7.40	112.20	122.93
2	2Z	38	VAL	C-N-CA	-7.40	112.20	122.93
1	3Q	153	SER	CA-C-N	7.40	147.78	121.59
1	3Q	153	SER	C-N-CA	7.40	147.78	121.59
1	3U	153	SER	CA-C-N	7.40	147.78	121.59
1	3U	153	SER	C-N-CA	7.40	147.78	121.59
1	3Y	153	SER	CA-C-N	7.40	147.78	121.59
1	3Y	153	SER	C-N-CA	7.40	147.78	121.59
2	43	38	VAL	CA-C-N	-7.40	112.20	122.93
2	43	38	VAL	C-N-CA	-7.40	112.20	122.93
2	47	38	VAL	CA-C-N	-7.40	112.20	122.93
2	47	38	VAL	C-N-CA	-7.40	112.20	122.93
2	5B	38	VAL	CA-C-N	-7.40	112.20	122.93
2	5B	38	VAL	C-N-CA	-7.40	112.20	122.93
1	5E	153	SER	CA-C-N	7.40	147.78	121.59
1	5E	153	SER	C-N-CA	7.40	147.78	121.59
1	5I	153	SER	CA-C-N	7.40	147.78	121.59
1	5I	153	SER	C-N-CA	7.40	147.78	121.59
1	5M	153	SER	CA-C-N	7.40	147.78	121.59
1	5M	153	SER	C-N-CA	7.40	147.78	121.59
2	53	38	VAL	CA-C-N	-7.40	112.20	122.93
2	53	38	VAL	C-N-CA	-7.40	112.20	122.93
2	57	38	VAL	CA-C-N	-7.40	112.20	122.93
2	57	38	VAL	C-N-CA	-7.40	112.20	122.93
2	6B	38	VAL	CA-C-N	-7.40	112.20	122.93
2	6B	38	VAL	C-N-CA	-7.40	112.20	122.93
1	62	153	SER	CA-C-N	7.40	147.78	121.59
1	62	153	SER	C-N-CA	7.40	147.78	121.59
1	66	153	SER	CA-C-N	7.40	147.78	121.59
1	66	153	SER	C-N-CA	7.40	147.78	121.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7A	153	SER	CA-C-N	7.40	147.78	121.59
1	7A	153	SER	C-N-CA	7.40	147.78	121.59
2	1B	38	VAL	CA-C-N	-7.39	112.21	122.93
2	1B	38	VAL	C-N-CA	-7.39	112.21	122.93
2	1J	38	VAL	CA-C-N	-7.39	112.21	122.93
2	1J	38	VAL	C-N-CA	-7.39	112.21	122.93
1	1Q	170	ALA	CA-C-O	7.39	128.48	119.31
1	1U	170	ALA	CA-C-O	7.39	128.48	119.31
1	1Y	170	ALA	CA-C-O	7.39	128.48	119.31
2	2F	38	VAL	CA-C-N	-7.39	112.21	122.93
2	2F	38	VAL	C-N-CA	-7.39	112.21	122.93
1	2Q	170	ALA	CA-C-O	7.39	128.48	119.31
1	2U	170	ALA	CA-C-O	7.39	128.48	119.31
1	2Y	170	ALA	CA-C-O	7.39	128.48	119.31
2	27	38	VAL	CA-C-N	-7.39	112.21	122.93
2	27	38	VAL	C-N-CA	-7.39	112.21	122.93
2	3F	38	VAL	CA-C-N	-7.39	112.21	122.93
2	3F	38	VAL	C-N-CA	-7.39	112.21	122.93
2	4B	38	VAL	CA-C-N	-7.39	112.21	122.93
2	4B	38	VAL	C-N-CA	-7.39	112.21	122.93
2	4N	38	VAL	CA-C-N	-7.39	112.21	122.93
2	4N	38	VAL	C-N-CA	-7.39	112.21	122.93
2	4V	38	VAL	CA-C-N	-7.39	112.21	122.93
2	4V	38	VAL	C-N-CA	-7.39	112.21	122.93
1	42	170	ALA	CA-C-O	7.39	128.48	119.31
1	46	170	ALA	CA-C-O	7.39	128.48	119.31
1	5A	170	ALA	CA-C-O	7.39	128.48	119.31
2	5R	38	VAL	CA-C-N	-7.39	112.21	122.93
2	5R	38	VAL	C-N-CA	-7.39	112.21	122.93
1	52	170	ALA	CA-C-O	7.39	128.48	119.31
1	56	170	ALA	CA-C-O	7.39	128.48	119.31
1	6A	170	ALA	CA-C-O	7.39	128.48	119.31
2	6J	38	VAL	CA-C-N	-7.39	112.21	122.93
2	6J	38	VAL	C-N-CA	-7.39	112.21	122.93
2	6R	38	VAL	CA-C-N	-7.39	112.21	122.93
2	6R	38	VAL	C-N-CA	-7.39	112.21	122.93
2	7N	38	VAL	CA-C-N	-7.39	112.21	122.93
2	7N	38	VAL	C-N-CA	-7.39	112.21	122.93
1	1A	153	SER	CA-C-N	7.38	147.70	121.59
1	1A	153	SER	C-N-CA	7.38	147.70	121.59
1	1E	153	SER	CA-C-N	7.38	147.70	121.59
1	1E	153	SER	C-N-CA	7.38	147.70	121.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1I	153	SER	CA-C-N	7.38	147.70	121.59
1	1I	153	SER	C-N-CA	7.38	147.70	121.59
1	12	96	ASP	O-C-N	-7.38	112.53	122.41
1	16	96	ASP	O-C-N	-7.38	112.53	122.41
1	2A	96	ASP	O-C-N	-7.38	112.53	122.41
1	2E	153	SER	CA-C-N	7.38	147.70	121.59
1	2E	153	SER	C-N-CA	7.38	147.70	121.59
1	2M	153	SER	CA-C-N	7.38	147.70	121.59
1	2M	153	SER	C-N-CA	7.38	147.70	121.59
1	22	153	SER	CA-C-N	7.38	147.70	121.59
1	22	153	SER	C-N-CA	7.38	147.70	121.59
1	26	153	SER	CA-C-N	7.38	147.70	121.59
1	26	153	SER	C-N-CA	7.38	147.70	121.59
1	3E	153	SER	CA-C-N	7.38	147.70	121.59
1	3E	153	SER	C-N-CA	7.38	147.70	121.59
1	3M	153	SER	CA-C-N	7.38	147.70	121.59
1	3M	153	SER	C-N-CA	7.38	147.70	121.59
1	3Q	96	ASP	O-C-N	-7.38	112.53	122.41
1	3U	96	ASP	O-C-N	-7.38	112.53	122.41
1	3Y	96	ASP	O-C-N	-7.38	112.53	122.41
1	36	153	SER	CA-C-N	7.38	147.70	121.59
1	36	153	SER	C-N-CA	7.38	147.70	121.59
1	4A	153	SER	CA-C-N	7.38	147.70	121.59
1	4A	153	SER	C-N-CA	7.38	147.70	121.59
1	4I	153	SER	CA-C-N	7.38	147.70	121.59
1	4I	153	SER	C-N-CA	7.38	147.70	121.59
1	4M	153	SER	CA-C-N	7.38	147.70	121.59
1	4M	153	SER	C-N-CA	7.38	147.70	121.59
1	4Q	153	SER	CA-C-N	7.38	147.70	121.59
1	4Q	153	SER	C-N-CA	7.38	147.70	121.59
1	4U	153	SER	CA-C-N	7.38	147.70	121.59
1	4U	153	SER	C-N-CA	7.38	147.70	121.59
1	5E	96	ASP	O-C-N	-7.38	112.53	122.41
1	5I	96	ASP	O-C-N	-7.38	112.53	122.41
1	5M	96	ASP	O-C-N	-7.38	112.53	122.41
1	5Q	153	SER	CA-C-N	7.38	147.70	121.59
1	5Q	153	SER	C-N-CA	7.38	147.70	121.59
1	5Y	153	SER	CA-C-N	7.38	147.70	121.59
1	5Y	153	SER	C-N-CA	7.38	147.70	121.59
1	6E	153	SER	CA-C-N	7.38	147.70	121.59
1	6E	153	SER	C-N-CA	7.38	147.70	121.59
1	6I	153	SER	CA-C-N	7.38	147.70	121.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6I	153	SER	C-N-CA	7.38	147.70	121.59
1	6Q	153	SER	CA-C-N	7.38	147.70	121.59
1	6Q	153	SER	C-N-CA	7.38	147.70	121.59
1	6Y	153	SER	CA-C-N	7.38	147.70	121.59
1	6Y	153	SER	C-N-CA	7.38	147.70	121.59
1	62	96	ASP	O-C-N	-7.38	112.53	122.41
1	66	96	ASP	O-C-N	-7.38	112.53	122.41
1	7A	96	ASP	O-C-N	-7.38	112.53	122.41
1	7I	153	SER	CA-C-N	7.38	147.70	121.59
1	7I	153	SER	C-N-CA	7.38	147.70	121.59
1	7M	153	SER	CA-C-N	7.38	147.70	121.59
1	7M	153	SER	C-N-CA	7.38	147.70	121.59
1	7U	153	SER	CA-C-N	7.38	147.70	121.59
1	7U	153	SER	C-N-CA	7.38	147.70	121.59
1	1E	179	VAL	CA-CB-CG2	-7.37	97.86	110.40
1	2M	179	VAL	CA-CB-CG2	-7.37	97.86	110.40
1	22	179	VAL	CA-CB-CG2	-7.37	97.86	110.40
1	3M	179	VAL	CA-CB-CG2	-7.37	97.86	110.40
1	36	179	VAL	CA-CB-CG2	-7.37	97.86	110.40
1	4I	179	VAL	CA-CB-CG2	-7.37	97.86	110.40
1	4Q	179	VAL	CA-CB-CG2	-7.37	97.86	110.40
1	5Y	179	VAL	CA-CB-CG2	-7.37	97.86	110.40
1	6E	179	VAL	CA-CB-CG2	-7.37	97.86	110.40
1	6Y	179	VAL	CA-CB-CG2	-7.37	97.86	110.40
1	7I	179	VAL	CA-CB-CG2	-7.37	97.86	110.40
1	7U	179	VAL	CA-CB-CG2	-7.37	97.86	110.40
1	1A	22	HIS	CA-C-O	7.37	128.54	119.11
1	1I	22	HIS	CA-C-O	7.37	128.54	119.11
1	12	179	VAL	CA-CB-CG2	-7.37	97.87	110.40
2	13	38	VAL	CA-C-N	-7.37	112.25	122.93
2	13	38	VAL	C-N-CA	-7.37	112.25	122.93
1	16	179	VAL	CA-CB-CG2	-7.37	97.87	110.40
2	17	38	VAL	CA-C-N	-7.37	112.25	122.93
2	17	38	VAL	C-N-CA	-7.37	112.25	122.93
1	2A	179	VAL	CA-CB-CG2	-7.37	97.87	110.40
2	2B	38	VAL	CA-C-N	-7.37	112.25	122.93
2	2B	38	VAL	C-N-CA	-7.37	112.25	122.93
1	2E	22	HIS	CA-C-O	7.37	128.54	119.11
1	26	22	HIS	CA-C-O	7.37	128.54	119.11
1	3E	22	HIS	CA-C-O	7.37	128.54	119.11
1	3Q	179	VAL	CA-CB-CG2	-7.37	97.87	110.40
2	3R	38	VAL	CA-C-N	-7.37	112.25	122.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3R	38	VAL	C-N-CA	-7.37	112.25	122.93
1	3U	179	VAL	CA-CB-CG2	-7.37	97.87	110.40
2	3V	38	VAL	CA-C-N	-7.37	112.25	122.93
2	3V	38	VAL	C-N-CA	-7.37	112.25	122.93
1	3Y	179	VAL	CA-CB-CG2	-7.37	97.87	110.40
2	3Z	38	VAL	CA-C-N	-7.37	112.25	122.93
2	3Z	38	VAL	C-N-CA	-7.37	112.25	122.93
1	4A	22	HIS	CA-C-O	7.37	128.54	119.11
1	4M	22	HIS	CA-C-O	7.37	128.54	119.11
1	4U	22	HIS	CA-C-O	7.37	128.54	119.11
1	5E	179	VAL	CA-CB-CG2	-7.37	97.87	110.40
2	5F	38	VAL	CA-C-N	-7.37	112.25	122.93
2	5F	38	VAL	C-N-CA	-7.37	112.25	122.93
1	5I	179	VAL	CA-CB-CG2	-7.37	97.87	110.40
2	5J	38	VAL	CA-C-N	-7.37	112.25	122.93
2	5J	38	VAL	C-N-CA	-7.37	112.25	122.93
1	5M	179	VAL	CA-CB-CG2	-7.37	97.87	110.40
2	5N	38	VAL	CA-C-N	-7.37	112.25	122.93
2	5N	38	VAL	C-N-CA	-7.37	112.25	122.93
1	5Q	22	HIS	CA-C-O	7.37	128.54	119.11
1	6I	22	HIS	CA-C-O	7.37	128.54	119.11
1	6Q	22	HIS	CA-C-O	7.37	128.54	119.11
1	62	179	VAL	CA-CB-CG2	-7.37	97.87	110.40
2	63	38	VAL	CA-C-N	-7.37	112.25	122.93
2	63	38	VAL	C-N-CA	-7.37	112.25	122.93
1	66	179	VAL	CA-CB-CG2	-7.37	97.87	110.40
2	67	38	VAL	CA-C-N	-7.37	112.25	122.93
2	67	38	VAL	C-N-CA	-7.37	112.25	122.93
1	7A	179	VAL	CA-CB-CG2	-7.37	97.87	110.40
2	7B	38	VAL	CA-C-N	-7.37	112.25	122.93
2	7B	38	VAL	C-N-CA	-7.37	112.25	122.93
1	7M	22	HIS	CA-C-O	7.37	128.54	119.11
1	1A	179	VAL	CA-CB-CG2	-7.36	97.88	110.40
1	1I	179	VAL	CA-CB-CG2	-7.36	97.88	110.40
1	12	22	HIS	CA-C-O	7.36	128.53	119.11
1	16	22	HIS	CA-C-O	7.36	128.53	119.11
1	2A	22	HIS	CA-C-O	7.36	128.53	119.11
1	2E	179	VAL	CA-CB-CG2	-7.36	97.88	110.40
1	26	179	VAL	CA-CB-CG2	-7.36	97.88	110.40
1	3E	179	VAL	CA-CB-CG2	-7.36	97.88	110.40
1	3Q	22	HIS	CA-C-O	7.36	128.53	119.11
1	3U	22	HIS	CA-C-O	7.36	128.53	119.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Y	22	HIS	CA-C-O	7.36	128.53	119.11
1	4A	179	VAL	CA-CB-CG2	-7.36	97.88	110.40
1	4M	179	VAL	CA-CB-CG2	-7.36	97.88	110.40
1	4U	179	VAL	CA-CB-CG2	-7.36	97.88	110.40
1	5E	22	HIS	CA-C-O	7.36	128.53	119.11
1	5I	22	HIS	CA-C-O	7.36	128.53	119.11
1	5M	22	HIS	CA-C-O	7.36	128.53	119.11
1	5Q	179	VAL	CA-CB-CG2	-7.36	97.88	110.40
1	6I	179	VAL	CA-CB-CG2	-7.36	97.88	110.40
1	6Q	179	VAL	CA-CB-CG2	-7.36	97.88	110.40
1	62	22	HIS	CA-C-O	7.36	128.53	119.11
1	66	22	HIS	CA-C-O	7.36	128.53	119.11
1	7A	22	HIS	CA-C-O	7.36	128.53	119.11
1	7M	179	VAL	CA-CB-CG2	-7.36	97.88	110.40
1	1E	22	HIS	CA-C-O	7.36	128.53	119.11
1	1M	18	PRO	CA-C-N	-7.36	109.48	123.32
1	1M	18	PRO	C-N-CA	-7.36	109.48	123.32
1	1Q	18	PRO	CA-C-N	-7.36	109.48	123.32
1	1Q	18	PRO	C-N-CA	-7.36	109.48	123.32
1	1Q	153	SER	CA-C-N	7.36	147.65	121.59
1	1Q	153	SER	C-N-CA	7.36	147.65	121.59
1	1U	18	PRO	CA-C-N	-7.36	109.48	123.32
1	1U	18	PRO	C-N-CA	-7.36	109.48	123.32
1	1U	153	SER	CA-C-N	7.36	147.65	121.59
1	1U	153	SER	C-N-CA	7.36	147.65	121.59
1	1Y	18	PRO	CA-C-N	-7.36	109.48	123.32
1	1Y	18	PRO	C-N-CA	-7.36	109.48	123.32
1	1Y	153	SER	CA-C-N	7.36	147.65	121.59
1	1Y	153	SER	C-N-CA	7.36	147.65	121.59
1	2I	18	PRO	CA-C-N	-7.36	109.48	123.32
1	2I	18	PRO	C-N-CA	-7.36	109.48	123.32
1	2M	22	HIS	CA-C-O	7.36	128.53	119.11
1	2Q	18	PRO	CA-C-N	-7.36	109.48	123.32
1	2Q	18	PRO	C-N-CA	-7.36	109.48	123.32
1	2Q	153	SER	CA-C-N	7.36	147.65	121.59
1	2Q	153	SER	C-N-CA	7.36	147.65	121.59
1	2U	18	PRO	CA-C-N	-7.36	109.48	123.32
1	2U	18	PRO	C-N-CA	-7.36	109.48	123.32
1	2U	153	SER	CA-C-N	7.36	147.65	121.59
1	2U	153	SER	C-N-CA	7.36	147.65	121.59
1	2Y	18	PRO	CA-C-N	-7.36	109.48	123.32
1	2Y	18	PRO	C-N-CA	-7.36	109.48	123.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2Y	153	SER	CA-C-N	7.36	147.65	121.59
1	2Y	153	SER	C-N-CA	7.36	147.65	121.59
1	22	22	HIS	CA-C-O	7.36	128.53	119.11
1	3A	18	PRO	CA-C-N	-7.36	109.48	123.32
1	3A	18	PRO	C-N-CA	-7.36	109.48	123.32
1	3I	18	PRO	CA-C-N	-7.36	109.48	123.32
1	3I	18	PRO	C-N-CA	-7.36	109.48	123.32
1	3M	22	HIS	CA-C-O	7.36	128.53	119.11
1	32	18	PRO	CA-C-N	-7.36	109.48	123.32
1	32	18	PRO	C-N-CA	-7.36	109.48	123.32
1	36	22	HIS	CA-C-O	7.36	128.53	119.11
1	4E	18	PRO	CA-C-N	-7.36	109.48	123.32
1	4E	18	PRO	C-N-CA	-7.36	109.48	123.32
1	4I	22	HIS	CA-C-O	7.36	128.53	119.11
1	4Q	22	HIS	CA-C-O	7.36	128.53	119.11
1	4Y	18	PRO	CA-C-N	-7.36	109.48	123.32
1	4Y	18	PRO	C-N-CA	-7.36	109.48	123.32
1	42	18	PRO	CA-C-N	-7.36	109.48	123.32
1	42	18	PRO	C-N-CA	-7.36	109.48	123.32
1	42	153	SER	CA-C-N	7.36	147.65	121.59
1	42	153	SER	C-N-CA	7.36	147.65	121.59
1	46	18	PRO	CA-C-N	-7.36	109.48	123.32
1	46	18	PRO	C-N-CA	-7.36	109.48	123.32
1	46	153	SER	CA-C-N	7.36	147.65	121.59
1	46	153	SER	C-N-CA	7.36	147.65	121.59
1	5A	18	PRO	CA-C-N	-7.36	109.48	123.32
1	5A	18	PRO	C-N-CA	-7.36	109.48	123.32
1	5A	153	SER	CA-C-N	7.36	147.65	121.59
1	5A	153	SER	C-N-CA	7.36	147.65	121.59
1	5U	18	PRO	CA-C-N	-7.36	109.48	123.32
1	5U	18	PRO	C-N-CA	-7.36	109.48	123.32
1	5Y	22	HIS	CA-C-O	7.36	128.53	119.11
1	52	18	PRO	CA-C-N	-7.36	109.48	123.32
1	52	18	PRO	C-N-CA	-7.36	109.48	123.32
1	52	153	SER	CA-C-N	7.36	147.65	121.59
1	52	153	SER	C-N-CA	7.36	147.65	121.59
1	56	18	PRO	CA-C-N	-7.36	109.48	123.32
1	56	18	PRO	C-N-CA	-7.36	109.48	123.32
1	56	153	SER	CA-C-N	7.36	147.65	121.59
1	56	153	SER	C-N-CA	7.36	147.65	121.59
1	6A	18	PRO	CA-C-N	-7.36	109.48	123.32
1	6A	18	PRO	C-N-CA	-7.36	109.48	123.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6A	153	SER	CA-C-N	7.36	147.65	121.59
1	6A	153	SER	C-N-CA	7.36	147.65	121.59
1	6E	22	HIS	CA-C-O	7.36	128.53	119.11
1	6M	18	PRO	CA-C-N	-7.36	109.48	123.32
1	6M	18	PRO	C-N-CA	-7.36	109.48	123.32
1	6U	18	PRO	CA-C-N	-7.36	109.48	123.32
1	6U	18	PRO	C-N-CA	-7.36	109.48	123.32
1	6Y	22	HIS	CA-C-O	7.36	128.53	119.11
1	7E	18	PRO	CA-C-N	-7.36	109.48	123.32
1	7E	18	PRO	C-N-CA	-7.36	109.48	123.32
1	7I	22	HIS	CA-C-O	7.36	128.53	119.11
1	7Q	18	PRO	CA-C-N	-7.36	109.48	123.32
1	7Q	18	PRO	C-N-CA	-7.36	109.48	123.32
1	7U	22	HIS	CA-C-O	7.36	128.53	119.11
1	1Q	179	VAL	CA-CB-CG2	-7.36	97.89	110.40
1	1U	179	VAL	CA-CB-CG2	-7.36	97.89	110.40
1	1Y	179	VAL	CA-CB-CG2	-7.36	97.89	110.40
1	2Q	179	VAL	CA-CB-CG2	-7.36	97.89	110.40
1	2U	179	VAL	CA-CB-CG2	-7.36	97.89	110.40
1	2Y	179	VAL	CA-CB-CG2	-7.36	97.89	110.40
1	42	179	VAL	CA-CB-CG2	-7.36	97.89	110.40
1	46	179	VAL	CA-CB-CG2	-7.36	97.89	110.40
1	5A	179	VAL	CA-CB-CG2	-7.36	97.89	110.40
1	52	179	VAL	CA-CB-CG2	-7.36	97.89	110.40
1	56	179	VAL	CA-CB-CG2	-7.36	97.89	110.40
1	6A	179	VAL	CA-CB-CG2	-7.36	97.89	110.40
1	1E	96	ASP	O-C-N	-7.36	112.55	122.41
1	1M	22	HIS	CA-C-O	7.36	128.53	119.11
1	1M	153	SER	CA-C-N	7.36	147.64	121.59
1	1M	153	SER	C-N-CA	7.36	147.64	121.59
1	2I	22	HIS	CA-C-O	7.36	128.53	119.11
1	2I	153	SER	CA-C-N	7.36	147.64	121.59
1	2I	153	SER	C-N-CA	7.36	147.64	121.59
1	2M	96	ASP	O-C-N	-7.36	112.55	122.41
1	22	96	ASP	O-C-N	-7.36	112.55	122.41
1	3A	22	HIS	CA-C-O	7.36	128.53	119.11
1	3A	153	SER	CA-C-N	7.36	147.64	121.59
1	3A	153	SER	C-N-CA	7.36	147.64	121.59
1	3I	22	HIS	CA-C-O	7.36	128.53	119.11
1	3I	153	SER	CA-C-N	7.36	147.64	121.59
1	3I	153	SER	C-N-CA	7.36	147.64	121.59
1	3M	96	ASP	O-C-N	-7.36	112.55	122.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	22	HIS	CA-C-O	7.36	128.53	119.11
1	32	153	SER	CA-C-N	7.36	147.64	121.59
1	32	153	SER	C-N-CA	7.36	147.64	121.59
1	36	96	ASP	O-C-N	-7.36	112.55	122.41
1	4E	22	HIS	CA-C-O	7.36	128.53	119.11
1	4E	153	SER	CA-C-N	7.36	147.64	121.59
1	4E	153	SER	C-N-CA	7.36	147.64	121.59
1	4I	96	ASP	O-C-N	-7.36	112.55	122.41
1	4Q	96	ASP	O-C-N	-7.36	112.55	122.41
1	4Y	22	HIS	CA-C-O	7.36	128.53	119.11
1	4Y	153	SER	CA-C-N	7.36	147.64	121.59
1	4Y	153	SER	C-N-CA	7.36	147.64	121.59
1	5U	22	HIS	CA-C-O	7.36	128.53	119.11
1	5U	153	SER	CA-C-N	7.36	147.64	121.59
1	5U	153	SER	C-N-CA	7.36	147.64	121.59
1	5Y	96	ASP	O-C-N	-7.36	112.55	122.41
1	6E	96	ASP	O-C-N	-7.36	112.55	122.41
1	6M	22	HIS	CA-C-O	7.36	128.53	119.11
1	6M	153	SER	CA-C-N	7.36	147.64	121.59
1	6M	153	SER	C-N-CA	7.36	147.64	121.59
1	6U	22	HIS	CA-C-O	7.36	128.53	119.11
1	6U	153	SER	CA-C-N	7.36	147.64	121.59
1	6U	153	SER	C-N-CA	7.36	147.64	121.59
1	6Y	96	ASP	O-C-N	-7.36	112.55	122.41
1	7E	22	HIS	CA-C-O	7.36	128.53	119.11
1	7E	153	SER	CA-C-N	7.36	147.64	121.59
1	7E	153	SER	C-N-CA	7.36	147.64	121.59
1	7I	96	ASP	O-C-N	-7.36	112.55	122.41
1	7Q	22	HIS	CA-C-O	7.36	128.53	119.11
1	7Q	153	SER	CA-C-N	7.36	147.64	121.59
1	7Q	153	SER	C-N-CA	7.36	147.64	121.59
1	7U	96	ASP	O-C-N	-7.36	112.55	122.41
2	1F	38	VAL	CA-C-N	-7.35	112.27	122.93
2	1F	38	VAL	C-N-CA	-7.35	112.27	122.93
1	1M	179	VAL	CA-CB-CG2	-7.35	97.90	110.40
1	2I	179	VAL	CA-CB-CG2	-7.35	97.90	110.40
2	2N	38	VAL	CA-C-N	-7.35	112.27	122.93
2	2N	38	VAL	C-N-CA	-7.35	112.27	122.93
2	23	38	VAL	CA-C-N	-7.35	112.27	122.93
2	23	38	VAL	C-N-CA	-7.35	112.27	122.93
1	3A	179	VAL	CA-CB-CG2	-7.35	97.90	110.40
1	3I	179	VAL	CA-CB-CG2	-7.35	97.90	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3N	38	VAL	CA-C-N	-7.35	112.27	122.93
2	3N	38	VAL	C-N-CA	-7.35	112.27	122.93
1	32	179	VAL	CA-CB-CG2	-7.35	97.90	110.40
2	37	38	VAL	CA-C-N	-7.35	112.27	122.93
2	37	38	VAL	C-N-CA	-7.35	112.27	122.93
1	4E	179	VAL	CA-CB-CG2	-7.35	97.90	110.40
2	4J	38	VAL	CA-C-N	-7.35	112.27	122.93
2	4J	38	VAL	C-N-CA	-7.35	112.27	122.93
2	4R	38	VAL	CA-C-N	-7.35	112.27	122.93
2	4R	38	VAL	C-N-CA	-7.35	112.27	122.93
1	4Y	179	VAL	CA-CB-CG2	-7.35	97.90	110.40
1	5U	179	VAL	CA-CB-CG2	-7.35	97.90	110.40
2	5Z	38	VAL	CA-C-N	-7.35	112.27	122.93
2	5Z	38	VAL	C-N-CA	-7.35	112.27	122.93
2	6F	38	VAL	CA-C-N	-7.35	112.27	122.93
2	6F	38	VAL	C-N-CA	-7.35	112.27	122.93
1	6M	179	VAL	CA-CB-CG2	-7.35	97.90	110.40
1	6U	179	VAL	CA-CB-CG2	-7.35	97.90	110.40
2	6Z	38	VAL	CA-C-N	-7.35	112.27	122.93
2	6Z	38	VAL	C-N-CA	-7.35	112.27	122.93
1	7E	179	VAL	CA-CB-CG2	-7.35	97.90	110.40
2	7J	38	VAL	CA-C-N	-7.35	112.27	122.93
2	7J	38	VAL	C-N-CA	-7.35	112.27	122.93
1	7Q	179	VAL	CA-CB-CG2	-7.35	97.90	110.40
2	7V	38	VAL	CA-C-N	-7.35	112.27	122.93
2	7V	38	VAL	C-N-CA	-7.35	112.27	122.93
1	1A	96	ASP	O-C-N	-7.35	112.56	122.41
1	1I	96	ASP	O-C-N	-7.35	112.56	122.41
1	2E	96	ASP	O-C-N	-7.35	112.56	122.41
1	26	96	ASP	O-C-N	-7.35	112.56	122.41
1	3E	96	ASP	O-C-N	-7.35	112.56	122.41
1	4A	96	ASP	O-C-N	-7.35	112.56	122.41
1	4M	96	ASP	O-C-N	-7.35	112.56	122.41
1	4U	96	ASP	O-C-N	-7.35	112.56	122.41
1	5Q	96	ASP	O-C-N	-7.35	112.56	122.41
1	6I	96	ASP	O-C-N	-7.35	112.56	122.41
1	6Q	96	ASP	O-C-N	-7.35	112.56	122.41
1	7M	96	ASP	O-C-N	-7.35	112.56	122.41
1	1M	50	ARG	NE-CZ-NH2	-7.34	112.59	119.20
1	2I	50	ARG	NE-CZ-NH2	-7.34	112.59	119.20
1	3A	50	ARG	NE-CZ-NH2	-7.34	112.59	119.20
1	3I	50	ARG	NE-CZ-NH2	-7.34	112.59	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	50	ARG	NE-CZ-NH2	-7.34	112.59	119.20
1	4E	50	ARG	NE-CZ-NH2	-7.34	112.59	119.20
1	4Y	50	ARG	NE-CZ-NH2	-7.34	112.59	119.20
1	5U	50	ARG	NE-CZ-NH2	-7.34	112.59	119.20
1	6M	50	ARG	NE-CZ-NH2	-7.34	112.59	119.20
1	6U	50	ARG	NE-CZ-NH2	-7.34	112.59	119.20
1	7E	50	ARG	NE-CZ-NH2	-7.34	112.59	119.20
1	7Q	50	ARG	NE-CZ-NH2	-7.34	112.59	119.20
2	1R	9	VAL	CG1-CB-CG2	-7.34	94.65	110.80
2	1V	9	VAL	CG1-CB-CG2	-7.34	94.65	110.80
2	1Z	9	VAL	CG1-CB-CG2	-7.34	94.65	110.80
2	2R	9	VAL	CG1-CB-CG2	-7.34	94.65	110.80
2	2V	9	VAL	CG1-CB-CG2	-7.34	94.65	110.80
2	2Z	9	VAL	CG1-CB-CG2	-7.34	94.65	110.80
2	43	9	VAL	CG1-CB-CG2	-7.34	94.65	110.80
2	47	9	VAL	CG1-CB-CG2	-7.34	94.65	110.80
2	5B	9	VAL	CG1-CB-CG2	-7.34	94.65	110.80
2	53	9	VAL	CG1-CB-CG2	-7.34	94.65	110.80
2	57	9	VAL	CG1-CB-CG2	-7.34	94.65	110.80
2	6B	9	VAL	CG1-CB-CG2	-7.34	94.65	110.80
1	1A	18	PRO	CA-C-N	-7.34	109.52	123.32
1	1A	18	PRO	C-N-CA	-7.34	109.52	123.32
1	1I	18	PRO	CA-C-N	-7.34	109.52	123.32
1	1I	18	PRO	C-N-CA	-7.34	109.52	123.32
1	1Q	96	ASP	O-C-N	-7.34	112.58	122.41
1	1U	96	ASP	O-C-N	-7.34	112.58	122.41
1	1Y	96	ASP	O-C-N	-7.34	112.58	122.41
1	2E	18	PRO	CA-C-N	-7.34	109.52	123.32
1	2E	18	PRO	C-N-CA	-7.34	109.52	123.32
1	2Q	96	ASP	O-C-N	-7.34	112.58	122.41
1	2U	96	ASP	O-C-N	-7.34	112.58	122.41
1	2Y	96	ASP	O-C-N	-7.34	112.58	122.41
1	26	18	PRO	CA-C-N	-7.34	109.52	123.32
1	26	18	PRO	C-N-CA	-7.34	109.52	123.32
1	3E	18	PRO	CA-C-N	-7.34	109.52	123.32
1	3E	18	PRO	C-N-CA	-7.34	109.52	123.32
1	4A	18	PRO	CA-C-N	-7.34	109.52	123.32
1	4A	18	PRO	C-N-CA	-7.34	109.52	123.32
1	4M	18	PRO	CA-C-N	-7.34	109.52	123.32
1	4M	18	PRO	C-N-CA	-7.34	109.52	123.32
1	4U	18	PRO	CA-C-N	-7.34	109.52	123.32
1	4U	18	PRO	C-N-CA	-7.34	109.52	123.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	42	96	ASP	O-C-N	-7.34	112.58	122.41
1	46	96	ASP	O-C-N	-7.34	112.58	122.41
1	5A	96	ASP	O-C-N	-7.34	112.58	122.41
1	5Q	18	PRO	CA-C-N	-7.34	109.52	123.32
1	5Q	18	PRO	C-N-CA	-7.34	109.52	123.32
1	52	96	ASP	O-C-N	-7.34	112.58	122.41
1	56	96	ASP	O-C-N	-7.34	112.58	122.41
1	6A	96	ASP	O-C-N	-7.34	112.58	122.41
1	6I	18	PRO	CA-C-N	-7.34	109.52	123.32
1	6I	18	PRO	C-N-CA	-7.34	109.52	123.32
1	6Q	18	PRO	CA-C-N	-7.34	109.52	123.32
1	6Q	18	PRO	C-N-CA	-7.34	109.52	123.32
1	7M	18	PRO	CA-C-N	-7.34	109.52	123.32
1	7M	18	PRO	C-N-CA	-7.34	109.52	123.32
2	1B	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	1J	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	1N	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
1	12	50	ARG	NE-CZ-NH2	-7.33	112.60	119.20
1	16	50	ARG	NE-CZ-NH2	-7.33	112.60	119.20
1	2A	50	ARG	NE-CZ-NH2	-7.33	112.60	119.20
2	2F	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	2J	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	27	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	3B	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	3F	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	3J	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
1	3Q	50	ARG	NE-CZ-NH2	-7.33	112.60	119.20
1	3U	50	ARG	NE-CZ-NH2	-7.33	112.60	119.20
1	3Y	50	ARG	NE-CZ-NH2	-7.33	112.60	119.20
2	33	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	4B	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	4F	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	4N	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	4V	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	4Z	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
1	5E	50	ARG	NE-CZ-NH2	-7.33	112.60	119.20
1	5I	50	ARG	NE-CZ-NH2	-7.33	112.60	119.20
1	5M	50	ARG	NE-CZ-NH2	-7.33	112.60	119.20
2	5R	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	5V	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	6J	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	6N	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	6V	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
1	62	50	ARG	NE-CZ-NH2	-7.33	112.60	119.20
1	66	50	ARG	NE-CZ-NH2	-7.33	112.60	119.20
1	7A	50	ARG	NE-CZ-NH2	-7.33	112.60	119.20
2	7F	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	7N	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
2	7R	9	VAL	CG1-CB-CG2	-7.33	94.66	110.80
1	1Q	22	HIS	CA-C-O	7.33	128.50	119.11
1	1U	22	HIS	CA-C-O	7.33	128.50	119.11
1	1Y	22	HIS	CA-C-O	7.33	128.50	119.11
2	13	9	VAL	CG1-CB-CG2	-7.33	94.67	110.80
2	17	9	VAL	CG1-CB-CG2	-7.33	94.67	110.80
2	2B	9	VAL	CG1-CB-CG2	-7.33	94.67	110.80
1	2Q	22	HIS	CA-C-O	7.33	128.50	119.11
1	2U	22	HIS	CA-C-O	7.33	128.50	119.11
1	2Y	22	HIS	CA-C-O	7.33	128.50	119.11
2	3R	9	VAL	CG1-CB-CG2	-7.33	94.67	110.80
2	3V	9	VAL	CG1-CB-CG2	-7.33	94.67	110.80
2	3Z	9	VAL	CG1-CB-CG2	-7.33	94.67	110.80
1	42	22	HIS	CA-C-O	7.33	128.50	119.11
1	46	22	HIS	CA-C-O	7.33	128.50	119.11
1	5A	22	HIS	CA-C-O	7.33	128.50	119.11
2	5F	9	VAL	CG1-CB-CG2	-7.33	94.67	110.80
2	5J	9	VAL	CG1-CB-CG2	-7.33	94.67	110.80
2	5N	9	VAL	CG1-CB-CG2	-7.33	94.67	110.80
1	52	22	HIS	CA-C-O	7.33	128.50	119.11
1	56	22	HIS	CA-C-O	7.33	128.50	119.11
1	6A	22	HIS	CA-C-O	7.33	128.50	119.11
2	63	9	VAL	CG1-CB-CG2	-7.33	94.67	110.80
2	67	9	VAL	CG1-CB-CG2	-7.33	94.67	110.80
2	7B	9	VAL	CG1-CB-CG2	-7.33	94.67	110.80
1	1Q	50	ARG	NE-CZ-NH2	-7.33	112.61	119.20
1	1U	50	ARG	NE-CZ-NH2	-7.33	112.61	119.20
1	1Y	50	ARG	NE-CZ-NH2	-7.33	112.61	119.20
1	2Q	50	ARG	NE-CZ-NH2	-7.33	112.61	119.20
1	2U	50	ARG	NE-CZ-NH2	-7.33	112.61	119.20
1	2Y	50	ARG	NE-CZ-NH2	-7.33	112.61	119.20
1	42	50	ARG	NE-CZ-NH2	-7.33	112.61	119.20
1	46	50	ARG	NE-CZ-NH2	-7.33	112.61	119.20
1	5A	50	ARG	NE-CZ-NH2	-7.33	112.61	119.20
1	52	50	ARG	NE-CZ-NH2	-7.33	112.61	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	50	ARG	NE-CZ-NH2	-7.33	112.61	119.20
1	6A	50	ARG	NE-CZ-NH2	-7.33	112.61	119.20
1	1E	18	PRO	CA-C-N	-7.33	109.55	123.32
1	1E	18	PRO	C-N-CA	-7.33	109.55	123.32
1	2M	18	PRO	CA-C-N	-7.33	109.55	123.32
1	2M	18	PRO	C-N-CA	-7.33	109.55	123.32
1	22	18	PRO	CA-C-N	-7.33	109.55	123.32
1	22	18	PRO	C-N-CA	-7.33	109.55	123.32
1	3M	18	PRO	CA-C-N	-7.33	109.55	123.32
1	3M	18	PRO	C-N-CA	-7.33	109.55	123.32
1	36	18	PRO	CA-C-N	-7.33	109.55	123.32
1	36	18	PRO	C-N-CA	-7.33	109.55	123.32
1	4I	18	PRO	CA-C-N	-7.33	109.55	123.32
1	4I	18	PRO	C-N-CA	-7.33	109.55	123.32
1	4Q	18	PRO	CA-C-N	-7.33	109.55	123.32
1	4Q	18	PRO	C-N-CA	-7.33	109.55	123.32
1	5Y	18	PRO	CA-C-N	-7.33	109.55	123.32
1	5Y	18	PRO	C-N-CA	-7.33	109.55	123.32
1	6E	18	PRO	CA-C-N	-7.33	109.55	123.32
1	6E	18	PRO	C-N-CA	-7.33	109.55	123.32
1	6Y	18	PRO	CA-C-N	-7.33	109.55	123.32
1	6Y	18	PRO	C-N-CA	-7.33	109.55	123.32
1	7I	18	PRO	CA-C-N	-7.33	109.55	123.32
1	7I	18	PRO	C-N-CA	-7.33	109.55	123.32
1	7U	18	PRO	CA-C-N	-7.33	109.55	123.32
1	7U	18	PRO	C-N-CA	-7.33	109.55	123.32
1	1Q	21	ASN	N-CA-CB	-7.33	98.05	110.50
1	1U	21	ASN	N-CA-CB	-7.33	98.05	110.50
1	1Y	21	ASN	N-CA-CB	-7.33	98.05	110.50
1	2Q	21	ASN	N-CA-CB	-7.33	98.05	110.50
1	2U	21	ASN	N-CA-CB	-7.33	98.05	110.50
1	2Y	21	ASN	N-CA-CB	-7.33	98.05	110.50
1	42	21	ASN	N-CA-CB	-7.33	98.05	110.50
1	46	21	ASN	N-CA-CB	-7.33	98.05	110.50
1	5A	21	ASN	N-CA-CB	-7.33	98.05	110.50
1	52	21	ASN	N-CA-CB	-7.33	98.05	110.50
1	56	21	ASN	N-CA-CB	-7.33	98.05	110.50
1	6A	21	ASN	N-CA-CB	-7.33	98.05	110.50
2	1F	9	VAL	CG1-CB-CG2	-7.32	94.69	110.80
2	2N	9	VAL	CG1-CB-CG2	-7.32	94.69	110.80
2	23	9	VAL	CG1-CB-CG2	-7.32	94.69	110.80
2	3N	9	VAL	CG1-CB-CG2	-7.32	94.69	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	9	VAL	CG1-CB-CG2	-7.32	94.69	110.80
2	4J	9	VAL	CG1-CB-CG2	-7.32	94.69	110.80
2	4R	9	VAL	CG1-CB-CG2	-7.32	94.69	110.80
2	5Z	9	VAL	CG1-CB-CG2	-7.32	94.69	110.80
2	6F	9	VAL	CG1-CB-CG2	-7.32	94.69	110.80
2	6Z	9	VAL	CG1-CB-CG2	-7.32	94.69	110.80
2	7J	9	VAL	CG1-CB-CG2	-7.32	94.69	110.80
2	7V	9	VAL	CG1-CB-CG2	-7.32	94.69	110.80
1	12	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	16	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	2A	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	3Q	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	3U	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	3Y	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	5E	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	5I	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	5M	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	62	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	66	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	7A	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	1A	50	ARG	NE-CZ-NH2	-7.32	112.61	119.20
1	1E	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	1I	50	ARG	NE-CZ-NH2	-7.32	112.61	119.20
1	2E	50	ARG	NE-CZ-NH2	-7.32	112.61	119.20
1	2M	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	22	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	26	50	ARG	NE-CZ-NH2	-7.32	112.61	119.20
1	3E	50	ARG	NE-CZ-NH2	-7.32	112.61	119.20
1	3M	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	36	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	4A	50	ARG	NE-CZ-NH2	-7.32	112.61	119.20
1	4I	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	4M	50	ARG	NE-CZ-NH2	-7.32	112.61	119.20
1	4Q	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	4U	50	ARG	NE-CZ-NH2	-7.32	112.61	119.20
1	5Q	50	ARG	NE-CZ-NH2	-7.32	112.61	119.20
1	5Y	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	6E	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	6I	50	ARG	NE-CZ-NH2	-7.32	112.61	119.20
1	6Q	50	ARG	NE-CZ-NH2	-7.32	112.61	119.20
1	6Y	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	7I	21	ASN	N-CA-CB	-7.32	98.06	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	50	ARG	NE-CZ-NH2	-7.32	112.61	119.20
1	7U	21	ASN	N-CA-CB	-7.32	98.06	110.50
1	12	18	PRO	CA-C-N	-7.32	109.57	123.32
1	12	18	PRO	C-N-CA	-7.32	109.57	123.32
1	16	18	PRO	CA-C-N	-7.32	109.57	123.32
1	16	18	PRO	C-N-CA	-7.32	109.57	123.32
1	2A	18	PRO	CA-C-N	-7.32	109.57	123.32
1	2A	18	PRO	C-N-CA	-7.32	109.57	123.32
1	3Q	18	PRO	CA-C-N	-7.32	109.57	123.32
1	3Q	18	PRO	C-N-CA	-7.32	109.57	123.32
1	3U	18	PRO	CA-C-N	-7.32	109.57	123.32
1	3U	18	PRO	C-N-CA	-7.32	109.57	123.32
1	3Y	18	PRO	CA-C-N	-7.32	109.57	123.32
1	3Y	18	PRO	C-N-CA	-7.32	109.57	123.32
1	5E	18	PRO	CA-C-N	-7.32	109.57	123.32
1	5E	18	PRO	C-N-CA	-7.32	109.57	123.32
1	5I	18	PRO	CA-C-N	-7.32	109.57	123.32
1	5I	18	PRO	C-N-CA	-7.32	109.57	123.32
1	5M	18	PRO	CA-C-N	-7.32	109.57	123.32
1	5M	18	PRO	C-N-CA	-7.32	109.57	123.32
1	62	18	PRO	CA-C-N	-7.32	109.57	123.32
1	62	18	PRO	C-N-CA	-7.32	109.57	123.32
1	66	18	PRO	CA-C-N	-7.32	109.57	123.32
1	66	18	PRO	C-N-CA	-7.32	109.57	123.32
1	7A	18	PRO	CA-C-N	-7.32	109.57	123.32
1	7A	18	PRO	C-N-CA	-7.32	109.57	123.32
1	1A	21	ASN	N-CA-CB	-7.31	98.07	110.50
1	1E	50	ARG	NE-CZ-NH2	-7.31	112.62	119.20
1	1I	21	ASN	N-CA-CB	-7.31	98.07	110.50
1	1Q	153	SER	N-CA-C	-7.31	90.53	111.00
1	1U	153	SER	N-CA-C	-7.31	90.53	111.00
1	1Y	153	SER	N-CA-C	-7.31	90.53	111.00
1	2E	21	ASN	N-CA-CB	-7.31	98.07	110.50
1	2M	50	ARG	NE-CZ-NH2	-7.31	112.62	119.20
1	2Q	153	SER	N-CA-C	-7.31	90.53	111.00
1	2U	153	SER	N-CA-C	-7.31	90.53	111.00
1	2Y	153	SER	N-CA-C	-7.31	90.53	111.00
1	22	50	ARG	NE-CZ-NH2	-7.31	112.62	119.20
1	26	21	ASN	N-CA-CB	-7.31	98.07	110.50
1	3E	21	ASN	N-CA-CB	-7.31	98.07	110.50
1	3M	50	ARG	NE-CZ-NH2	-7.31	112.62	119.20
1	36	50	ARG	NE-CZ-NH2	-7.31	112.62	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	21	ASN	N-CA-CB	-7.31	98.07	110.50
1	4I	50	ARG	NE-CZ-NH2	-7.31	112.62	119.20
1	4M	21	ASN	N-CA-CB	-7.31	98.07	110.50
1	4Q	50	ARG	NE-CZ-NH2	-7.31	112.62	119.20
1	4U	21	ASN	N-CA-CB	-7.31	98.07	110.50
1	42	153	SER	N-CA-C	-7.31	90.53	111.00
1	46	153	SER	N-CA-C	-7.31	90.53	111.00
1	5A	153	SER	N-CA-C	-7.31	90.53	111.00
1	5Q	21	ASN	N-CA-CB	-7.31	98.07	110.50
1	5Y	50	ARG	NE-CZ-NH2	-7.31	112.62	119.20
1	52	153	SER	N-CA-C	-7.31	90.53	111.00
1	56	153	SER	N-CA-C	-7.31	90.53	111.00
1	6A	153	SER	N-CA-C	-7.31	90.53	111.00
1	6E	50	ARG	NE-CZ-NH2	-7.31	112.62	119.20
1	6I	21	ASN	N-CA-CB	-7.31	98.07	110.50
1	6Q	21	ASN	N-CA-CB	-7.31	98.07	110.50
1	6Y	50	ARG	NE-CZ-NH2	-7.31	112.62	119.20
1	7I	50	ARG	NE-CZ-NH2	-7.31	112.62	119.20
1	7M	21	ASN	N-CA-CB	-7.31	98.07	110.50
1	7U	50	ARG	NE-CZ-NH2	-7.31	112.62	119.20
2	1B	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	1J	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	1N	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	2F	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	2J	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	27	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	3B	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	3F	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	3J	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	33	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	4B	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	4F	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	4N	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	4V	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	4Z	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	5R	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	5V	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	6J	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	6N	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	6R	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	6V	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	7F	179	ASP	CA-CB-CG	-7.30	105.30	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	7R	179	ASP	CA-CB-CG	-7.30	105.30	112.60
1	1M	153	SER	N-CA-C	-7.30	90.55	111.00
1	2I	153	SER	N-CA-C	-7.30	90.55	111.00
1	3A	153	SER	N-CA-C	-7.30	90.55	111.00
1	3I	153	SER	N-CA-C	-7.30	90.55	111.00
1	32	153	SER	N-CA-C	-7.30	90.55	111.00
1	4E	153	SER	N-CA-C	-7.30	90.55	111.00
1	4Y	153	SER	N-CA-C	-7.30	90.55	111.00
1	5U	153	SER	N-CA-C	-7.30	90.55	111.00
1	6M	153	SER	N-CA-C	-7.30	90.55	111.00
1	6U	153	SER	N-CA-C	-7.30	90.55	111.00
1	7E	153	SER	N-CA-C	-7.30	90.55	111.00
1	7Q	153	SER	N-CA-C	-7.30	90.55	111.00
1	1A	153	SER	N-CA-C	-7.30	90.56	111.00
1	1I	153	SER	N-CA-C	-7.30	90.56	111.00
2	13	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	17	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	2B	179	ASP	CA-CB-CG	-7.30	105.30	112.60
1	2E	153	SER	N-CA-C	-7.30	90.56	111.00
1	26	153	SER	N-CA-C	-7.30	90.56	111.00
1	3E	153	SER	N-CA-C	-7.30	90.56	111.00
2	3R	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	3V	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	3Z	179	ASP	CA-CB-CG	-7.30	105.30	112.60
1	4A	153	SER	N-CA-C	-7.30	90.56	111.00
1	4M	153	SER	N-CA-C	-7.30	90.56	111.00
1	4U	153	SER	N-CA-C	-7.30	90.56	111.00
2	5F	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	5J	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	5N	179	ASP	CA-CB-CG	-7.30	105.30	112.60
1	5Q	153	SER	N-CA-C	-7.30	90.56	111.00
1	6I	153	SER	N-CA-C	-7.30	90.56	111.00
1	6Q	153	SER	N-CA-C	-7.30	90.56	111.00
2	63	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	67	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	7B	179	ASP	CA-CB-CG	-7.30	105.30	112.60
1	7M	153	SER	N-CA-C	-7.30	90.56	111.00
2	1F	77	THR	OG1-CB-CG2	7.30	123.90	109.30
2	2N	77	THR	OG1-CB-CG2	7.30	123.90	109.30
2	23	77	THR	OG1-CB-CG2	7.30	123.90	109.30
2	3N	77	THR	OG1-CB-CG2	7.30	123.90	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	77	THR	OG1-CB-CG2	7.30	123.90	109.30
2	4J	77	THR	OG1-CB-CG2	7.30	123.90	109.30
2	4R	77	THR	OG1-CB-CG2	7.30	123.90	109.30
2	5Z	77	THR	OG1-CB-CG2	7.30	123.90	109.30
2	6F	77	THR	OG1-CB-CG2	7.30	123.90	109.30
2	6Z	77	THR	OG1-CB-CG2	7.30	123.90	109.30
2	7J	77	THR	OG1-CB-CG2	7.30	123.90	109.30
2	7V	77	THR	OG1-CB-CG2	7.30	123.90	109.30
2	1F	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	13	35	PHE	CE1-CZ-CE2	-7.30	106.87	120.00
2	17	35	PHE	CE1-CZ-CE2	-7.30	106.87	120.00
2	2B	35	PHE	CE1-CZ-CE2	-7.30	106.87	120.00
2	2N	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	23	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	3N	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	3R	35	PHE	CE1-CZ-CE2	-7.30	106.87	120.00
2	3V	35	PHE	CE1-CZ-CE2	-7.30	106.87	120.00
2	3Z	35	PHE	CE1-CZ-CE2	-7.30	106.87	120.00
2	37	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	4J	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	4R	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	5F	35	PHE	CE1-CZ-CE2	-7.30	106.87	120.00
2	5J	35	PHE	CE1-CZ-CE2	-7.30	106.87	120.00
2	5N	35	PHE	CE1-CZ-CE2	-7.30	106.87	120.00
2	5Z	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	6F	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	6Z	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	63	35	PHE	CE1-CZ-CE2	-7.30	106.87	120.00
2	67	35	PHE	CE1-CZ-CE2	-7.30	106.87	120.00
2	7B	35	PHE	CE1-CZ-CE2	-7.30	106.87	120.00
2	7J	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	7V	179	ASP	CA-CB-CG	-7.30	105.30	112.60
2	13	77	THR	OG1-CB-CG2	7.29	123.89	109.30
2	17	77	THR	OG1-CB-CG2	7.29	123.89	109.30
2	2B	77	THR	OG1-CB-CG2	7.29	123.89	109.30
2	3R	77	THR	OG1-CB-CG2	7.29	123.89	109.30
2	3V	77	THR	OG1-CB-CG2	7.29	123.89	109.30
2	3Z	77	THR	OG1-CB-CG2	7.29	123.89	109.30
2	5F	77	THR	OG1-CB-CG2	7.29	123.89	109.30
2	5J	77	THR	OG1-CB-CG2	7.29	123.89	109.30
2	5N	77	THR	OG1-CB-CG2	7.29	123.89	109.30
2	63	77	THR	OG1-CB-CG2	7.29	123.89	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	77	THR	OG1-CB-CG2	7.29	123.89	109.30
2	7B	77	THR	OG1-CB-CG2	7.29	123.89	109.30
2	1N	29	MET	CA-CB-CG	-7.29	99.51	114.10
2	1N	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	2J	29	MET	CA-CB-CG	-7.29	99.51	114.10
2	2J	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	3B	29	MET	CA-CB-CG	-7.29	99.51	114.10
2	3B	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	3J	29	MET	CA-CB-CG	-7.29	99.51	114.10
2	3J	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	33	29	MET	CA-CB-CG	-7.29	99.51	114.10
2	33	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	4F	29	MET	CA-CB-CG	-7.29	99.51	114.10
2	4F	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	4Z	29	MET	CA-CB-CG	-7.29	99.51	114.10
2	4Z	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	5V	29	MET	CA-CB-CG	-7.29	99.51	114.10
2	5V	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	6N	29	MET	CA-CB-CG	-7.29	99.51	114.10
2	6N	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	6V	29	MET	CA-CB-CG	-7.29	99.51	114.10
2	6V	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	7F	29	MET	CA-CB-CG	-7.29	99.51	114.10
2	7F	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	7R	29	MET	CA-CB-CG	-7.29	99.51	114.10
2	7R	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	1F	29	MET	CA-CB-CG	-7.29	99.52	114.10
2	1F	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	2N	29	MET	CA-CB-CG	-7.29	99.52	114.10
2	2N	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	23	29	MET	CA-CB-CG	-7.29	99.52	114.10
2	23	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	3N	29	MET	CA-CB-CG	-7.29	99.52	114.10
2	3N	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	37	29	MET	CA-CB-CG	-7.29	99.52	114.10
2	37	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	4J	29	MET	CA-CB-CG	-7.29	99.52	114.10
2	4J	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	4R	29	MET	CA-CB-CG	-7.29	99.52	114.10
2	4R	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	5Z	29	MET	CA-CB-CG	-7.29	99.52	114.10
2	5Z	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	29	MET	CA-CB-CG	-7.29	99.52	114.10
2	6F	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	6Z	29	MET	CA-CB-CG	-7.29	99.52	114.10
2	6Z	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	7J	29	MET	CA-CB-CG	-7.29	99.52	114.10
2	7J	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
2	7V	29	MET	CA-CB-CG	-7.29	99.52	114.10
2	7V	35	PHE	CE1-CZ-CE2	-7.29	106.87	120.00
1	1M	21	ASN	N-CA-CB	-7.29	98.11	110.50
2	1R	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	1V	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	1Z	77	THR	OG1-CB-CG2	7.29	123.88	109.30
1	2I	21	ASN	N-CA-CB	-7.29	98.11	110.50
2	2R	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	2V	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	2Z	77	THR	OG1-CB-CG2	7.29	123.88	109.30
1	3A	21	ASN	N-CA-CB	-7.29	98.11	110.50
1	3I	21	ASN	N-CA-CB	-7.29	98.11	110.50
1	32	21	ASN	N-CA-CB	-7.29	98.11	110.50
1	4E	21	ASN	N-CA-CB	-7.29	98.11	110.50
1	4Y	21	ASN	N-CA-CB	-7.29	98.11	110.50
2	43	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	47	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	5B	77	THR	OG1-CB-CG2	7.29	123.88	109.30
1	5U	21	ASN	N-CA-CB	-7.29	98.11	110.50
2	53	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	57	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	6B	77	THR	OG1-CB-CG2	7.29	123.88	109.30
1	6M	21	ASN	N-CA-CB	-7.29	98.11	110.50
1	6U	21	ASN	N-CA-CB	-7.29	98.11	110.50
1	7E	21	ASN	N-CA-CB	-7.29	98.11	110.50
1	7Q	21	ASN	N-CA-CB	-7.29	98.11	110.50
2	1N	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	2J	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	3B	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	3J	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	33	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	4F	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	4Z	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	5V	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	6N	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	6V	77	THR	OG1-CB-CG2	7.29	123.88	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	77	THR	OG1-CB-CG2	7.29	123.88	109.30
2	7R	77	THR	OG1-CB-CG2	7.29	123.88	109.30
1	1E	153	SER	N-CA-C	-7.29	90.60	111.00
1	12	153	SER	N-CA-C	-7.29	90.60	111.00
1	16	153	SER	N-CA-C	-7.29	90.60	111.00
1	2A	153	SER	N-CA-C	-7.29	90.60	111.00
1	2M	153	SER	N-CA-C	-7.29	90.60	111.00
1	22	153	SER	N-CA-C	-7.29	90.60	111.00
1	3M	153	SER	N-CA-C	-7.29	90.60	111.00
1	3Q	153	SER	N-CA-C	-7.29	90.60	111.00
1	3U	153	SER	N-CA-C	-7.29	90.60	111.00
1	3Y	153	SER	N-CA-C	-7.29	90.60	111.00
1	36	153	SER	N-CA-C	-7.29	90.60	111.00
1	4I	153	SER	N-CA-C	-7.29	90.60	111.00
1	4Q	153	SER	N-CA-C	-7.29	90.60	111.00
1	5E	153	SER	N-CA-C	-7.29	90.60	111.00
1	5I	153	SER	N-CA-C	-7.29	90.60	111.00
1	5M	153	SER	N-CA-C	-7.29	90.60	111.00
1	5Y	153	SER	N-CA-C	-7.29	90.60	111.00
1	6E	153	SER	N-CA-C	-7.29	90.60	111.00
1	6Y	153	SER	N-CA-C	-7.29	90.60	111.00
1	62	153	SER	N-CA-C	-7.29	90.60	111.00
1	66	153	SER	N-CA-C	-7.29	90.60	111.00
1	7A	153	SER	N-CA-C	-7.29	90.60	111.00
1	7I	153	SER	N-CA-C	-7.29	90.60	111.00
1	7U	153	SER	N-CA-C	-7.29	90.60	111.00
2	1B	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	1B	77	THR	OG1-CB-CG2	7.28	123.87	109.30
2	1J	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	1J	77	THR	OG1-CB-CG2	7.28	123.87	109.30
2	2F	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	2F	77	THR	OG1-CB-CG2	7.28	123.87	109.30
2	27	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	27	77	THR	OG1-CB-CG2	7.28	123.87	109.30
2	3F	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	3F	77	THR	OG1-CB-CG2	7.28	123.87	109.30
2	4B	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	4B	77	THR	OG1-CB-CG2	7.28	123.87	109.30
2	4N	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	4N	77	THR	OG1-CB-CG2	7.28	123.87	109.30
2	4V	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	4V	77	THR	OG1-CB-CG2	7.28	123.87	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5R	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	5R	77	THR	OG1-CB-CG2	7.28	123.87	109.30
2	6J	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	6J	77	THR	OG1-CB-CG2	7.28	123.87	109.30
2	6R	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	6R	77	THR	OG1-CB-CG2	7.28	123.87	109.30
2	7N	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	7N	77	THR	OG1-CB-CG2	7.28	123.87	109.30
1	1M	169	ASP	CB-CG-OD1	-7.28	101.65	118.40
1	2I	169	ASP	CB-CG-OD1	-7.28	101.65	118.40
1	3A	169	ASP	CB-CG-OD1	-7.28	101.65	118.40
1	3I	169	ASP	CB-CG-OD1	-7.28	101.65	118.40
1	32	169	ASP	CB-CG-OD1	-7.28	101.65	118.40
1	4E	169	ASP	CB-CG-OD1	-7.28	101.65	118.40
1	4Y	169	ASP	CB-CG-OD1	-7.28	101.65	118.40
1	5U	169	ASP	CB-CG-OD1	-7.28	101.65	118.40
1	6M	169	ASP	CB-CG-OD1	-7.28	101.65	118.40
1	6U	169	ASP	CB-CG-OD1	-7.28	101.65	118.40
1	7E	169	ASP	CB-CG-OD1	-7.28	101.65	118.40
1	7Q	169	ASP	CB-CG-OD1	-7.28	101.65	118.40
2	1R	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	1V	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	1Z	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	2R	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	2V	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	2Z	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	43	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	47	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	5B	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	53	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	57	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
2	6B	35	PHE	CE1-CZ-CE2	-7.28	106.89	120.00
1	1E	169	ASP	CB-CG-OD1	-7.28	101.66	118.40
2	13	29	MET	CA-CB-CG	-7.28	99.54	114.10
2	17	29	MET	CA-CB-CG	-7.28	99.54	114.10
2	2B	29	MET	CA-CB-CG	-7.28	99.54	114.10
1	2M	169	ASP	CB-CG-OD1	-7.28	101.66	118.40
1	22	169	ASP	CB-CG-OD1	-7.28	101.66	118.40
1	3M	169	ASP	CB-CG-OD1	-7.28	101.66	118.40
2	3R	29	MET	CA-CB-CG	-7.28	99.54	114.10
2	3V	29	MET	CA-CB-CG	-7.28	99.54	114.10
2	3Z	29	MET	CA-CB-CG	-7.28	99.54	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	169	ASP	CB-CG-OD1	-7.28	101.66	118.40
1	4I	169	ASP	CB-CG-OD1	-7.28	101.66	118.40
1	4Q	169	ASP	CB-CG-OD1	-7.28	101.66	118.40
2	5F	29	MET	CA-CB-CG	-7.28	99.54	114.10
2	5J	29	MET	CA-CB-CG	-7.28	99.54	114.10
2	5N	29	MET	CA-CB-CG	-7.28	99.54	114.10
1	5Y	169	ASP	CB-CG-OD1	-7.28	101.66	118.40
1	6E	169	ASP	CB-CG-OD1	-7.28	101.66	118.40
1	6Y	169	ASP	CB-CG-OD1	-7.28	101.66	118.40
2	63	29	MET	CA-CB-CG	-7.28	99.54	114.10
2	67	29	MET	CA-CB-CG	-7.28	99.54	114.10
2	7B	29	MET	CA-CB-CG	-7.28	99.54	114.10
1	7I	169	ASP	CB-CG-OD1	-7.28	101.66	118.40
1	7U	169	ASP	CB-CG-OD1	-7.28	101.66	118.40
2	1R	179	ASP	CA-CB-CG	-7.28	105.33	112.60
2	1V	179	ASP	CA-CB-CG	-7.28	105.33	112.60
2	1Z	179	ASP	CA-CB-CG	-7.28	105.33	112.60
2	2R	179	ASP	CA-CB-CG	-7.28	105.33	112.60
2	2V	179	ASP	CA-CB-CG	-7.28	105.33	112.60
2	2Z	179	ASP	CA-CB-CG	-7.28	105.33	112.60
2	43	179	ASP	CA-CB-CG	-7.28	105.33	112.60
2	47	179	ASP	CA-CB-CG	-7.28	105.33	112.60
2	5B	179	ASP	CA-CB-CG	-7.28	105.33	112.60
2	53	179	ASP	CA-CB-CG	-7.28	105.33	112.60
2	57	179	ASP	CA-CB-CG	-7.28	105.33	112.60
2	6B	179	ASP	CA-CB-CG	-7.28	105.33	112.60
1	1A	169	ASP	CB-CG-OD1	-7.27	101.67	118.40
2	1B	29	MET	CA-CB-CG	-7.27	99.56	114.10
1	1I	169	ASP	CB-CG-OD1	-7.27	101.67	118.40
2	1J	29	MET	CA-CB-CG	-7.27	99.56	114.10
1	2E	169	ASP	CB-CG-OD1	-7.27	101.67	118.40
2	2F	29	MET	CA-CB-CG	-7.27	99.56	114.10
1	26	169	ASP	CB-CG-OD1	-7.27	101.67	118.40
2	27	29	MET	CA-CB-CG	-7.27	99.56	114.10
1	3E	169	ASP	CB-CG-OD1	-7.27	101.67	118.40
2	3F	29	MET	CA-CB-CG	-7.27	99.56	114.10
1	4A	169	ASP	CB-CG-OD1	-7.27	101.67	118.40
2	4B	29	MET	CA-CB-CG	-7.27	99.56	114.10
1	4M	169	ASP	CB-CG-OD1	-7.27	101.67	118.40
2	4N	29	MET	CA-CB-CG	-7.27	99.56	114.10
1	4U	169	ASP	CB-CG-OD1	-7.27	101.67	118.40
2	4V	29	MET	CA-CB-CG	-7.27	99.56	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Q	169	ASP	CB-CG-OD1	-7.27	101.67	118.40
2	5R	29	MET	CA-CB-CG	-7.27	99.56	114.10
1	6I	169	ASP	CB-CG-OD1	-7.27	101.67	118.40
2	6J	29	MET	CA-CB-CG	-7.27	99.56	114.10
1	6Q	169	ASP	CB-CG-OD1	-7.27	101.67	118.40
2	6R	29	MET	CA-CB-CG	-7.27	99.56	114.10
1	7M	169	ASP	CB-CG-OD1	-7.27	101.67	118.40
2	7N	29	MET	CA-CB-CG	-7.27	99.56	114.10
1	12	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	16	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	2A	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	3Q	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	3U	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	3Y	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	5E	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	5I	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	5M	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	62	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	66	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	7A	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	1Q	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	1U	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	1Y	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	2Q	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	2U	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	2Y	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	42	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	46	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	5A	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	52	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	56	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
1	6A	169	ASP	CB-CG-OD1	-7.27	101.68	118.40
2	1R	29	MET	CA-CB-CG	-7.27	99.57	114.10
2	1V	29	MET	CA-CB-CG	-7.27	99.57	114.10
2	1Z	29	MET	CA-CB-CG	-7.27	99.57	114.10
2	2R	29	MET	CA-CB-CG	-7.27	99.57	114.10
2	2V	29	MET	CA-CB-CG	-7.27	99.57	114.10
2	2Z	29	MET	CA-CB-CG	-7.27	99.57	114.10
2	43	29	MET	CA-CB-CG	-7.27	99.57	114.10
2	47	29	MET	CA-CB-CG	-7.27	99.57	114.10
2	5B	29	MET	CA-CB-CG	-7.27	99.57	114.10
2	53	29	MET	CA-CB-CG	-7.27	99.57	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	29	MET	CA-CB-CG	-7.27	99.57	114.10
2	6B	29	MET	CA-CB-CG	-7.27	99.57	114.10
1	1E	156	SER	N-CA-C	-7.26	95.33	110.80
1	2M	156	SER	N-CA-C	-7.26	95.33	110.80
1	22	156	SER	N-CA-C	-7.26	95.33	110.80
1	3M	156	SER	N-CA-C	-7.26	95.33	110.80
1	36	156	SER	N-CA-C	-7.26	95.33	110.80
1	4I	156	SER	N-CA-C	-7.26	95.33	110.80
1	4Q	156	SER	N-CA-C	-7.26	95.33	110.80
1	5Y	156	SER	N-CA-C	-7.26	95.33	110.80
1	6E	156	SER	N-CA-C	-7.26	95.33	110.80
1	6Y	156	SER	N-CA-C	-7.26	95.33	110.80
1	7I	156	SER	N-CA-C	-7.26	95.33	110.80
1	7U	156	SER	N-CA-C	-7.26	95.33	110.80
2	1N	29	MET	CG-SD-CE	-7.26	84.94	100.90
2	2J	29	MET	CG-SD-CE	-7.26	84.94	100.90
2	3B	29	MET	CG-SD-CE	-7.26	84.94	100.90
2	3J	29	MET	CG-SD-CE	-7.26	84.94	100.90
2	33	29	MET	CG-SD-CE	-7.26	84.94	100.90
2	4F	29	MET	CG-SD-CE	-7.26	84.94	100.90
2	4Z	29	MET	CG-SD-CE	-7.26	84.94	100.90
2	5V	29	MET	CG-SD-CE	-7.26	84.94	100.90
2	6N	29	MET	CG-SD-CE	-7.26	84.94	100.90
2	6V	29	MET	CG-SD-CE	-7.26	84.94	100.90
2	7F	29	MET	CG-SD-CE	-7.26	84.94	100.90
2	7R	29	MET	CG-SD-CE	-7.26	84.94	100.90
2	13	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	17	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	2B	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	3R	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	3V	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	3Z	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	5F	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	5J	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	5N	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	63	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	67	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	7B	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	1B	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	1F	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	1J	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	1M	156	SER	N-CA-C	-7.25	95.35	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1Q	156	SER	N-CA-C	-7.25	95.35	110.80
2	1R	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	1U	156	SER	N-CA-C	-7.25	95.35	110.80
2	1V	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	1Y	156	SER	N-CA-C	-7.25	95.35	110.80
2	1Z	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	2F	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	2I	156	SER	N-CA-C	-7.25	95.35	110.80
2	2N	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	2Q	156	SER	N-CA-C	-7.25	95.35	110.80
2	2R	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	2U	156	SER	N-CA-C	-7.25	95.35	110.80
2	2V	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	2Y	156	SER	N-CA-C	-7.25	95.35	110.80
2	2Z	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	23	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	27	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	3A	156	SER	N-CA-C	-7.25	95.35	110.80
2	3F	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	3I	156	SER	N-CA-C	-7.25	95.35	110.80
2	3N	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	32	156	SER	N-CA-C	-7.25	95.35	110.80
2	37	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	4B	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	4E	156	SER	N-CA-C	-7.25	95.35	110.80
2	4J	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	4N	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	4R	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	4V	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	4Y	156	SER	N-CA-C	-7.25	95.35	110.80
1	42	156	SER	N-CA-C	-7.25	95.35	110.80
2	43	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	46	156	SER	N-CA-C	-7.25	95.35	110.80
2	47	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	5A	156	SER	N-CA-C	-7.25	95.35	110.80
2	5B	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	5R	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	5U	156	SER	N-CA-C	-7.25	95.35	110.80
2	5Z	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	52	156	SER	N-CA-C	-7.25	95.35	110.80
2	53	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	56	156	SER	N-CA-C	-7.25	95.35	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	6A	156	SER	N-CA-C	-7.25	95.35	110.80
2	6B	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	6F	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	6J	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	6M	156	SER	N-CA-C	-7.25	95.35	110.80
2	6R	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	6U	156	SER	N-CA-C	-7.25	95.35	110.80
2	6Z	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	7E	156	SER	N-CA-C	-7.25	95.35	110.80
2	7J	29	MET	CG-SD-CE	-7.25	84.94	100.90
2	7N	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	7Q	156	SER	N-CA-C	-7.25	95.35	110.80
2	7V	29	MET	CG-SD-CE	-7.25	84.94	100.90
1	1A	156	SER	N-CA-C	-7.24	95.37	110.80
1	1I	156	SER	N-CA-C	-7.24	95.37	110.80
1	12	156	SER	N-CA-C	-7.24	95.37	110.80
1	16	156	SER	N-CA-C	-7.24	95.37	110.80
1	2A	156	SER	N-CA-C	-7.24	95.37	110.80
1	2E	156	SER	N-CA-C	-7.24	95.37	110.80
1	26	156	SER	N-CA-C	-7.24	95.37	110.80
1	3E	156	SER	N-CA-C	-7.24	95.37	110.80
1	3Q	156	SER	N-CA-C	-7.24	95.37	110.80
1	3U	156	SER	N-CA-C	-7.24	95.37	110.80
1	3Y	156	SER	N-CA-C	-7.24	95.37	110.80
1	4A	156	SER	N-CA-C	-7.24	95.37	110.80
1	4M	156	SER	N-CA-C	-7.24	95.37	110.80
1	4U	156	SER	N-CA-C	-7.24	95.37	110.80
1	5E	156	SER	N-CA-C	-7.24	95.37	110.80
1	5I	156	SER	N-CA-C	-7.24	95.37	110.80
1	5M	156	SER	N-CA-C	-7.24	95.37	110.80
1	5Q	156	SER	N-CA-C	-7.24	95.37	110.80
1	6I	156	SER	N-CA-C	-7.24	95.37	110.80
1	6Q	156	SER	N-CA-C	-7.24	95.37	110.80
1	62	156	SER	N-CA-C	-7.24	95.37	110.80
1	66	156	SER	N-CA-C	-7.24	95.37	110.80
1	7A	156	SER	N-CA-C	-7.24	95.37	110.80
1	7M	156	SER	N-CA-C	-7.24	95.37	110.80
2	1B	70	TRP	CD2-CE3-CZ3	7.23	128.00	118.60
2	1J	70	TRP	CD2-CE3-CZ3	7.23	128.00	118.60
2	2F	70	TRP	CD2-CE3-CZ3	7.23	128.00	118.60
2	27	70	TRP	CD2-CE3-CZ3	7.23	128.00	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	70	TRP	CD2-CE3-CZ3	7.23	128.00	118.60
2	4B	70	TRP	CD2-CE3-CZ3	7.23	128.00	118.60
2	4N	70	TRP	CD2-CE3-CZ3	7.23	128.00	118.60
2	4V	70	TRP	CD2-CE3-CZ3	7.23	128.00	118.60
2	5R	70	TRP	CD2-CE3-CZ3	7.23	128.00	118.60
2	6J	70	TRP	CD2-CE3-CZ3	7.23	128.00	118.60
2	6R	70	TRP	CD2-CE3-CZ3	7.23	128.00	118.60
2	7N	70	TRP	CD2-CE3-CZ3	7.23	128.00	118.60
2	1F	70	TRP	CD2-CE3-CZ3	7.22	127.98	118.60
2	2N	70	TRP	CD2-CE3-CZ3	7.22	127.98	118.60
2	23	70	TRP	CD2-CE3-CZ3	7.22	127.98	118.60
2	3N	70	TRP	CD2-CE3-CZ3	7.22	127.98	118.60
2	37	70	TRP	CD2-CE3-CZ3	7.22	127.98	118.60
2	4J	70	TRP	CD2-CE3-CZ3	7.22	127.98	118.60
2	4R	70	TRP	CD2-CE3-CZ3	7.22	127.98	118.60
2	5Z	70	TRP	CD2-CE3-CZ3	7.22	127.98	118.60
2	6F	70	TRP	CD2-CE3-CZ3	7.22	127.98	118.60
2	6Z	70	TRP	CD2-CE3-CZ3	7.22	127.98	118.60
2	7J	70	TRP	CD2-CE3-CZ3	7.22	127.98	118.60
2	7V	70	TRP	CD2-CE3-CZ3	7.22	127.98	118.60
2	1R	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	1V	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	1Z	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	2R	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	2V	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	2Z	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	43	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	47	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	5B	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	53	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	57	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	6B	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	1R	107	PHE	CB-CG-CD1	-7.21	108.44	120.70
2	1V	107	PHE	CB-CG-CD1	-7.21	108.44	120.70
2	1Z	107	PHE	CB-CG-CD1	-7.21	108.44	120.70
2	13	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	17	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	2B	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	2R	107	PHE	CB-CG-CD1	-7.21	108.44	120.70
2	2V	107	PHE	CB-CG-CD1	-7.21	108.44	120.70
2	2Z	107	PHE	CB-CG-CD1	-7.21	108.44	120.70
2	3R	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	3Z	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	43	107	PHE	CB-CG-CD1	-7.21	108.44	120.70
2	47	107	PHE	CB-CG-CD1	-7.21	108.44	120.70
2	5B	107	PHE	CB-CG-CD1	-7.21	108.44	120.70
2	5F	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	5J	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	5N	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	53	107	PHE	CB-CG-CD1	-7.21	108.44	120.70
2	57	107	PHE	CB-CG-CD1	-7.21	108.44	120.70
2	6B	107	PHE	CB-CG-CD1	-7.21	108.44	120.70
2	63	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	67	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	7B	70	TRP	CD2-CE3-CZ3	7.21	127.98	118.60
2	1B	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	1J	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	2F	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	27	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	3F	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	4B	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	4N	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	4V	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	5R	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	6J	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	6R	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	7N	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	1N	107	PHE	CB-CG-CD1	-7.20	108.46	120.70
2	1R	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	1V	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	1Z	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	13	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	17	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	2B	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	2J	107	PHE	CB-CG-CD1	-7.20	108.46	120.70
2	2R	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	2V	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	2Z	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	3B	107	PHE	CB-CG-CD1	-7.20	108.46	120.70
2	3J	107	PHE	CB-CG-CD1	-7.20	108.46	120.70
2	3R	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	3V	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	3Z	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	107	PHE	CB-CG-CD1	-7.20	108.46	120.70
2	4F	107	PHE	CB-CG-CD1	-7.20	108.46	120.70
2	4Z	107	PHE	CB-CG-CD1	-7.20	108.46	120.70
2	43	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	47	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	5B	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	5F	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	5J	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	5N	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	5V	107	PHE	CB-CG-CD1	-7.20	108.46	120.70
2	53	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	57	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	6B	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	6N	107	PHE	CB-CG-CD1	-7.20	108.46	120.70
2	6V	107	PHE	CB-CG-CD1	-7.20	108.46	120.70
2	63	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	67	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	7B	220	PHE	CG-CD1-CE1	-7.20	108.46	120.70
2	7F	107	PHE	CB-CG-CD1	-7.20	108.46	120.70
2	7R	107	PHE	CB-CG-CD1	-7.20	108.46	120.70
2	1B	107	PHE	CB-CG-CD1	-7.20	108.47	120.70
2	1J	107	PHE	CB-CG-CD1	-7.20	108.47	120.70
2	2F	107	PHE	CB-CG-CD1	-7.20	108.47	120.70
2	27	107	PHE	CB-CG-CD1	-7.20	108.47	120.70
2	3F	107	PHE	CB-CG-CD1	-7.20	108.47	120.70
2	4B	107	PHE	CB-CG-CD1	-7.20	108.47	120.70
2	4N	107	PHE	CB-CG-CD1	-7.20	108.47	120.70
2	4V	107	PHE	CB-CG-CD1	-7.20	108.47	120.70
2	5R	107	PHE	CB-CG-CD1	-7.20	108.47	120.70
2	6J	107	PHE	CB-CG-CD1	-7.20	108.47	120.70
2	6R	107	PHE	CB-CG-CD1	-7.20	108.47	120.70
2	7N	107	PHE	CB-CG-CD1	-7.20	108.47	120.70
2	13	107	PHE	CB-CG-CD1	-7.19	108.47	120.70
2	17	107	PHE	CB-CG-CD1	-7.19	108.47	120.70
2	2B	107	PHE	CB-CG-CD1	-7.19	108.47	120.70
2	3R	107	PHE	CB-CG-CD1	-7.19	108.47	120.70
2	3V	107	PHE	CB-CG-CD1	-7.19	108.47	120.70
2	3Z	107	PHE	CB-CG-CD1	-7.19	108.47	120.70
2	5F	107	PHE	CB-CG-CD1	-7.19	108.47	120.70
2	5J	107	PHE	CB-CG-CD1	-7.19	108.47	120.70
2	5N	107	PHE	CB-CG-CD1	-7.19	108.47	120.70
2	63	107	PHE	CB-CG-CD1	-7.19	108.47	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	107	PHE	CB-CG-CD1	-7.19	108.47	120.70
2	7B	107	PHE	CB-CG-CD1	-7.19	108.47	120.70
2	1N	70	TRP	CD2-CE3-CZ3	7.19	127.95	118.60
2	2J	70	TRP	CD2-CE3-CZ3	7.19	127.95	118.60
2	3B	70	TRP	CD2-CE3-CZ3	7.19	127.95	118.60
2	3J	70	TRP	CD2-CE3-CZ3	7.19	127.95	118.60
2	33	70	TRP	CD2-CE3-CZ3	7.19	127.95	118.60
2	4F	70	TRP	CD2-CE3-CZ3	7.19	127.95	118.60
2	4Z	70	TRP	CD2-CE3-CZ3	7.19	127.95	118.60
2	5V	70	TRP	CD2-CE3-CZ3	7.19	127.95	118.60
2	6N	70	TRP	CD2-CE3-CZ3	7.19	127.95	118.60
2	6V	70	TRP	CD2-CE3-CZ3	7.19	127.95	118.60
2	7F	70	TRP	CD2-CE3-CZ3	7.19	127.95	118.60
2	7R	70	TRP	CD2-CE3-CZ3	7.19	127.95	118.60
2	1N	220	PHE	CG-CD1-CE1	-7.19	108.48	120.70
2	2J	220	PHE	CG-CD1-CE1	-7.19	108.48	120.70
2	3B	220	PHE	CG-CD1-CE1	-7.19	108.48	120.70
2	3J	220	PHE	CG-CD1-CE1	-7.19	108.48	120.70
2	33	220	PHE	CG-CD1-CE1	-7.19	108.48	120.70
2	4F	220	PHE	CG-CD1-CE1	-7.19	108.48	120.70
2	4Z	220	PHE	CG-CD1-CE1	-7.19	108.48	120.70
2	5V	220	PHE	CG-CD1-CE1	-7.19	108.48	120.70
2	6N	220	PHE	CG-CD1-CE1	-7.19	108.48	120.70
2	6V	220	PHE	CG-CD1-CE1	-7.19	108.48	120.70
2	7F	220	PHE	CG-CD1-CE1	-7.19	108.48	120.70
2	7R	220	PHE	CG-CD1-CE1	-7.19	108.48	120.70
2	1R	39	ASP	O-C-N	7.19	132.34	123.21
2	1V	39	ASP	O-C-N	7.19	132.34	123.21
2	1Z	39	ASP	O-C-N	7.19	132.34	123.21
2	2R	39	ASP	O-C-N	7.19	132.34	123.21
2	2V	39	ASP	O-C-N	7.19	132.34	123.21
2	2Z	39	ASP	O-C-N	7.19	132.34	123.21
2	43	39	ASP	O-C-N	7.19	132.34	123.21
2	47	39	ASP	O-C-N	7.19	132.34	123.21
2	5B	39	ASP	O-C-N	7.19	132.34	123.21
2	53	39	ASP	O-C-N	7.19	132.34	123.21
2	57	39	ASP	O-C-N	7.19	132.34	123.21
2	6B	39	ASP	O-C-N	7.19	132.34	123.21
2	1F	107	PHE	CB-CG-CD1	-7.18	108.49	120.70
2	1F	220	PHE	CG-CD1-CE1	-7.18	108.49	120.70
2	2N	107	PHE	CB-CG-CD1	-7.18	108.49	120.70
2	2N	220	PHE	CG-CD1-CE1	-7.18	108.49	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	107	PHE	CB-CG-CD1	-7.18	108.49	120.70
2	23	220	PHE	CG-CD1-CE1	-7.18	108.49	120.70
2	3N	107	PHE	CB-CG-CD1	-7.18	108.49	120.70
2	3N	220	PHE	CG-CD1-CE1	-7.18	108.49	120.70
2	37	107	PHE	CB-CG-CD1	-7.18	108.49	120.70
2	37	220	PHE	CG-CD1-CE1	-7.18	108.49	120.70
2	4J	107	PHE	CB-CG-CD1	-7.18	108.49	120.70
2	4J	220	PHE	CG-CD1-CE1	-7.18	108.49	120.70
2	4R	107	PHE	CB-CG-CD1	-7.18	108.49	120.70
2	4R	220	PHE	CG-CD1-CE1	-7.18	108.49	120.70
2	5Z	107	PHE	CB-CG-CD1	-7.18	108.49	120.70
2	5Z	220	PHE	CG-CD1-CE1	-7.18	108.49	120.70
2	6F	107	PHE	CB-CG-CD1	-7.18	108.49	120.70
2	6F	220	PHE	CG-CD1-CE1	-7.18	108.49	120.70
2	6Z	107	PHE	CB-CG-CD1	-7.18	108.49	120.70
2	6Z	220	PHE	CG-CD1-CE1	-7.18	108.49	120.70
2	7J	107	PHE	CB-CG-CD1	-7.18	108.49	120.70
2	7J	220	PHE	CG-CD1-CE1	-7.18	108.49	120.70
2	7V	107	PHE	CB-CG-CD1	-7.18	108.49	120.70
2	7V	220	PHE	CG-CD1-CE1	-7.18	108.49	120.70
2	1N	39	ASP	O-C-N	7.18	132.33	123.21
1	1Q	84	ARG	NE-CZ-NH1	-7.18	114.32	121.50
1	1U	84	ARG	NE-CZ-NH1	-7.18	114.32	121.50
1	1Y	84	ARG	NE-CZ-NH1	-7.18	114.32	121.50
2	2J	39	ASP	O-C-N	7.18	132.33	123.21
1	2Q	84	ARG	NE-CZ-NH1	-7.18	114.32	121.50
1	2U	84	ARG	NE-CZ-NH1	-7.18	114.32	121.50
1	2Y	84	ARG	NE-CZ-NH1	-7.18	114.32	121.50
2	3B	39	ASP	O-C-N	7.18	132.33	123.21
2	3J	39	ASP	O-C-N	7.18	132.33	123.21
2	33	39	ASP	O-C-N	7.18	132.33	123.21
2	4F	39	ASP	O-C-N	7.18	132.33	123.21
2	4Z	39	ASP	O-C-N	7.18	132.33	123.21
1	42	84	ARG	NE-CZ-NH1	-7.18	114.32	121.50
1	46	84	ARG	NE-CZ-NH1	-7.18	114.32	121.50
1	5A	84	ARG	NE-CZ-NH1	-7.18	114.32	121.50
2	5V	39	ASP	O-C-N	7.18	132.33	123.21
1	52	84	ARG	NE-CZ-NH1	-7.18	114.32	121.50
1	56	84	ARG	NE-CZ-NH1	-7.18	114.32	121.50
1	6A	84	ARG	NE-CZ-NH1	-7.18	114.32	121.50
2	6N	39	ASP	O-C-N	7.18	132.33	123.21
2	6V	39	ASP	O-C-N	7.18	132.33	123.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	39	ASP	O-C-N	7.18	132.33	123.21
2	7R	39	ASP	O-C-N	7.18	132.33	123.21
2	1F	38	VAL	CG1-CB-CG2	-7.17	95.02	110.80
2	2N	38	VAL	CG1-CB-CG2	-7.17	95.02	110.80
2	23	38	VAL	CG1-CB-CG2	-7.17	95.02	110.80
2	3N	38	VAL	CG1-CB-CG2	-7.17	95.02	110.80
2	37	38	VAL	CG1-CB-CG2	-7.17	95.02	110.80
2	4J	38	VAL	CG1-CB-CG2	-7.17	95.02	110.80
2	4R	38	VAL	CG1-CB-CG2	-7.17	95.02	110.80
2	5Z	38	VAL	CG1-CB-CG2	-7.17	95.02	110.80
2	6F	38	VAL	CG1-CB-CG2	-7.17	95.02	110.80
2	6Z	38	VAL	CG1-CB-CG2	-7.17	95.02	110.80
2	7J	38	VAL	CG1-CB-CG2	-7.17	95.02	110.80
2	7V	38	VAL	CG1-CB-CG2	-7.17	95.02	110.80
2	13	39	ASP	O-C-N	7.17	132.31	123.21
2	17	39	ASP	O-C-N	7.17	132.31	123.21
2	2B	39	ASP	O-C-N	7.17	132.31	123.21
2	3R	39	ASP	O-C-N	7.17	132.31	123.21
2	3V	39	ASP	O-C-N	7.17	132.31	123.21
2	3Z	39	ASP	O-C-N	7.17	132.31	123.21
2	5F	39	ASP	O-C-N	7.17	132.31	123.21
2	5J	39	ASP	O-C-N	7.17	132.31	123.21
2	5N	39	ASP	O-C-N	7.17	132.31	123.21
2	63	39	ASP	O-C-N	7.17	132.31	123.21
2	67	39	ASP	O-C-N	7.17	132.31	123.21
2	7B	39	ASP	O-C-N	7.17	132.31	123.21
1	12	84	ARG	NE-CZ-NH1	-7.17	114.33	121.50
1	16	84	ARG	NE-CZ-NH1	-7.17	114.33	121.50
1	2A	84	ARG	NE-CZ-NH1	-7.17	114.33	121.50
1	3Q	84	ARG	NE-CZ-NH1	-7.17	114.33	121.50
1	3U	84	ARG	NE-CZ-NH1	-7.17	114.33	121.50
1	3Y	84	ARG	NE-CZ-NH1	-7.17	114.33	121.50
1	5E	84	ARG	NE-CZ-NH1	-7.17	114.33	121.50
1	5I	84	ARG	NE-CZ-NH1	-7.17	114.33	121.50
1	5M	84	ARG	NE-CZ-NH1	-7.17	114.33	121.50
1	62	84	ARG	NE-CZ-NH1	-7.17	114.33	121.50
1	66	84	ARG	NE-CZ-NH1	-7.17	114.33	121.50
1	7A	84	ARG	NE-CZ-NH1	-7.17	114.33	121.50
2	1N	38	VAL	CG1-CB-CG2	-7.16	95.05	110.80
2	2J	38	VAL	CG1-CB-CG2	-7.16	95.05	110.80
2	3B	38	VAL	CG1-CB-CG2	-7.16	95.05	110.80
2	3J	38	VAL	CG1-CB-CG2	-7.16	95.05	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	38	VAL	CG1-CB-CG2	-7.16	95.05	110.80
2	4F	38	VAL	CG1-CB-CG2	-7.16	95.05	110.80
2	4Z	38	VAL	CG1-CB-CG2	-7.16	95.05	110.80
2	5V	38	VAL	CG1-CB-CG2	-7.16	95.05	110.80
2	6N	38	VAL	CG1-CB-CG2	-7.16	95.05	110.80
2	6V	38	VAL	CG1-CB-CG2	-7.16	95.05	110.80
2	7F	38	VAL	CG1-CB-CG2	-7.16	95.05	110.80
2	7R	38	VAL	CG1-CB-CG2	-7.16	95.05	110.80
2	1B	38	VAL	N-CA-C	7.16	117.95	110.72
2	1J	38	VAL	N-CA-C	7.16	117.95	110.72
1	1M	84	ARG	NE-CZ-NH1	-7.16	114.34	121.50
2	2F	38	VAL	N-CA-C	7.16	117.95	110.72
1	2I	84	ARG	NE-CZ-NH1	-7.16	114.34	121.50
2	27	38	VAL	N-CA-C	7.16	117.95	110.72
1	3A	84	ARG	NE-CZ-NH1	-7.16	114.34	121.50
2	3F	38	VAL	N-CA-C	7.16	117.95	110.72
1	3I	84	ARG	NE-CZ-NH1	-7.16	114.34	121.50
1	32	84	ARG	NE-CZ-NH1	-7.16	114.34	121.50
2	4B	38	VAL	N-CA-C	7.16	117.95	110.72
1	4E	84	ARG	NE-CZ-NH1	-7.16	114.34	121.50
2	4N	38	VAL	N-CA-C	7.16	117.95	110.72
2	4V	38	VAL	N-CA-C	7.16	117.95	110.72
1	4Y	84	ARG	NE-CZ-NH1	-7.16	114.34	121.50
2	5R	38	VAL	N-CA-C	7.16	117.95	110.72
1	5U	84	ARG	NE-CZ-NH1	-7.16	114.34	121.50
2	6J	38	VAL	N-CA-C	7.16	117.95	110.72
1	6M	84	ARG	NE-CZ-NH1	-7.16	114.34	121.50
2	6R	38	VAL	N-CA-C	7.16	117.95	110.72
1	6U	84	ARG	NE-CZ-NH1	-7.16	114.34	121.50
1	7E	84	ARG	NE-CZ-NH1	-7.16	114.34	121.50
2	7N	38	VAL	N-CA-C	7.16	117.95	110.72
1	7Q	84	ARG	NE-CZ-NH1	-7.16	114.34	121.50
2	1B	38	VAL	CG1-CB-CG2	-7.15	95.06	110.80
2	1J	38	VAL	CG1-CB-CG2	-7.15	95.06	110.80
2	2F	38	VAL	CG1-CB-CG2	-7.15	95.06	110.80
2	27	38	VAL	CG1-CB-CG2	-7.15	95.06	110.80
2	3F	38	VAL	CG1-CB-CG2	-7.15	95.06	110.80
2	4B	38	VAL	CG1-CB-CG2	-7.15	95.06	110.80
2	4N	38	VAL	CG1-CB-CG2	-7.15	95.06	110.80
2	4V	38	VAL	CG1-CB-CG2	-7.15	95.06	110.80
2	5R	38	VAL	CG1-CB-CG2	-7.15	95.06	110.80
2	6J	38	VAL	CG1-CB-CG2	-7.15	95.06	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	38	VAL	CG1-CB-CG2	-7.15	95.06	110.80
2	7N	38	VAL	CG1-CB-CG2	-7.15	95.06	110.80
2	1N	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	2J	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	3B	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	3J	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	33	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	4F	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	4Z	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	5V	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	6N	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	6V	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	7F	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	7R	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	1B	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	1J	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	2F	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	27	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	3F	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	4B	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	4N	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	4V	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	5R	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	6J	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	6R	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	7N	39	ASP	N-CA-CB	-7.15	99.18	110.69
2	1F	39	ASP	O-C-N	7.14	132.28	123.21
2	1R	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	1V	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	1Z	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	13	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	17	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	2B	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	2N	39	ASP	O-C-N	7.14	132.28	123.21
2	2R	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	2V	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	2Z	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	23	39	ASP	O-C-N	7.14	132.28	123.21
2	3N	39	ASP	O-C-N	7.14	132.28	123.21
2	3R	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	3V	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	3Z	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	39	ASP	O-C-N	7.14	132.28	123.21
2	4J	39	ASP	O-C-N	7.14	132.28	123.21
2	4R	39	ASP	O-C-N	7.14	132.28	123.21
2	43	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	47	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	5B	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	5F	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	5J	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	5N	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	5Z	39	ASP	O-C-N	7.14	132.28	123.21
2	53	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	57	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	6B	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	6F	39	ASP	O-C-N	7.14	132.28	123.21
2	6Z	39	ASP	O-C-N	7.14	132.28	123.21
2	63	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	67	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	7B	38	VAL	CG1-CB-CG2	-7.14	95.08	110.80
2	7J	39	ASP	O-C-N	7.14	132.28	123.21
2	7V	39	ASP	O-C-N	7.14	132.28	123.21
1	1E	84	ARG	NE-CZ-NH1	-7.14	114.36	121.50
1	2M	84	ARG	NE-CZ-NH1	-7.14	114.36	121.50
1	22	84	ARG	NE-CZ-NH1	-7.14	114.36	121.50
1	3M	84	ARG	NE-CZ-NH1	-7.14	114.36	121.50
1	36	84	ARG	NE-CZ-NH1	-7.14	114.36	121.50
1	4I	84	ARG	NE-CZ-NH1	-7.14	114.36	121.50
1	4Q	84	ARG	NE-CZ-NH1	-7.14	114.36	121.50
1	5Y	84	ARG	NE-CZ-NH1	-7.14	114.36	121.50
1	6E	84	ARG	NE-CZ-NH1	-7.14	114.36	121.50
1	6Y	84	ARG	NE-CZ-NH1	-7.14	114.36	121.50
1	7I	84	ARG	NE-CZ-NH1	-7.14	114.36	121.50
1	7U	84	ARG	NE-CZ-NH1	-7.14	114.36	121.50
2	1R	39	ASP	N-CA-CB	-7.14	99.19	110.69
2	1V	39	ASP	N-CA-CB	-7.14	99.19	110.69
2	1Z	39	ASP	N-CA-CB	-7.14	99.19	110.69
2	2R	39	ASP	N-CA-CB	-7.14	99.19	110.69
2	2V	39	ASP	N-CA-CB	-7.14	99.19	110.69
2	2Z	39	ASP	N-CA-CB	-7.14	99.19	110.69
2	43	39	ASP	N-CA-CB	-7.14	99.19	110.69
2	47	39	ASP	N-CA-CB	-7.14	99.19	110.69
2	5B	39	ASP	N-CA-CB	-7.14	99.19	110.69
2	53	39	ASP	N-CA-CB	-7.14	99.19	110.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	39	ASP	N-CA-CB	-7.14	99.19	110.69
2	6B	39	ASP	N-CA-CB	-7.14	99.19	110.69
2	1B	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	1J	41	PHE	CA-CB-CG	7.14	120.94	113.80
1	12	84	ARG	CG-CD-NE	7.14	127.71	112.00
1	16	84	ARG	CG-CD-NE	7.14	127.71	112.00
1	2A	84	ARG	CG-CD-NE	7.14	127.71	112.00
2	2F	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	27	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	3F	41	PHE	CA-CB-CG	7.14	120.94	113.80
1	3Q	84	ARG	CG-CD-NE	7.14	127.71	112.00
1	3U	84	ARG	CG-CD-NE	7.14	127.71	112.00
1	3Y	84	ARG	CG-CD-NE	7.14	127.71	112.00
2	4B	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	4N	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	4V	41	PHE	CA-CB-CG	7.14	120.94	113.80
1	5E	84	ARG	CG-CD-NE	7.14	127.71	112.00
1	5I	84	ARG	CG-CD-NE	7.14	127.71	112.00
1	5M	84	ARG	CG-CD-NE	7.14	127.71	112.00
2	5R	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	6J	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	6R	41	PHE	CA-CB-CG	7.14	120.94	113.80
1	62	84	ARG	CG-CD-NE	7.14	127.71	112.00
1	66	84	ARG	CG-CD-NE	7.14	127.71	112.00
1	7A	84	ARG	CG-CD-NE	7.14	127.71	112.00
2	7N	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	1R	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	1V	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	1Z	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	13	38	VAL	N-CA-C	7.14	117.93	110.72
2	17	38	VAL	N-CA-C	7.14	117.93	110.72
2	2B	38	VAL	N-CA-C	7.14	117.93	110.72
2	2R	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	2V	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	2Z	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	3R	38	VAL	N-CA-C	7.14	117.93	110.72
2	3V	38	VAL	N-CA-C	7.14	117.93	110.72
2	3Z	38	VAL	N-CA-C	7.14	117.93	110.72
2	43	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	47	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	5B	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	5F	38	VAL	N-CA-C	7.14	117.93	110.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5J	38	VAL	N-CA-C	7.14	117.93	110.72
2	5N	38	VAL	N-CA-C	7.14	117.93	110.72
2	53	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	57	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	6B	41	PHE	CA-CB-CG	7.14	120.94	113.80
2	63	38	VAL	N-CA-C	7.14	117.93	110.72
2	67	38	VAL	N-CA-C	7.14	117.93	110.72
2	7B	38	VAL	N-CA-C	7.14	117.93	110.72
2	1B	39	ASP	O-C-N	7.13	132.27	123.21
2	1F	38	VAL	N-CA-C	7.13	117.93	110.72
2	1J	39	ASP	O-C-N	7.13	132.27	123.21
2	2F	39	ASP	O-C-N	7.13	132.27	123.21
2	2N	38	VAL	N-CA-C	7.13	117.93	110.72
2	23	38	VAL	N-CA-C	7.13	117.93	110.72
2	27	39	ASP	O-C-N	7.13	132.27	123.21
2	3F	39	ASP	O-C-N	7.13	132.27	123.21
2	3N	38	VAL	N-CA-C	7.13	117.93	110.72
2	37	38	VAL	N-CA-C	7.13	117.93	110.72
2	4B	39	ASP	O-C-N	7.13	132.27	123.21
2	4J	38	VAL	N-CA-C	7.13	117.93	110.72
2	4N	39	ASP	O-C-N	7.13	132.27	123.21
2	4R	38	VAL	N-CA-C	7.13	117.93	110.72
2	4V	39	ASP	O-C-N	7.13	132.27	123.21
2	5R	39	ASP	O-C-N	7.13	132.27	123.21
2	5Z	38	VAL	N-CA-C	7.13	117.93	110.72
2	6F	38	VAL	N-CA-C	7.13	117.93	110.72
2	6J	39	ASP	O-C-N	7.13	132.27	123.21
2	6R	39	ASP	O-C-N	7.13	132.27	123.21
2	6Z	38	VAL	N-CA-C	7.13	117.93	110.72
2	7J	38	VAL	N-CA-C	7.13	117.93	110.72
2	7N	39	ASP	O-C-N	7.13	132.27	123.21
2	7V	38	VAL	N-CA-C	7.13	117.93	110.72
1	1A	84	ARG	NE-CZ-NH1	-7.13	114.37	121.50
2	1F	38	VAL	O-C-N	-7.13	114.48	121.83
1	1I	84	ARG	NE-CZ-NH1	-7.13	114.37	121.50
1	2E	84	ARG	NE-CZ-NH1	-7.13	114.37	121.50
2	2N	38	VAL	O-C-N	-7.13	114.48	121.83
2	23	38	VAL	O-C-N	-7.13	114.48	121.83
1	26	84	ARG	NE-CZ-NH1	-7.13	114.37	121.50
1	3E	84	ARG	NE-CZ-NH1	-7.13	114.37	121.50
2	3N	38	VAL	O-C-N	-7.13	114.48	121.83
2	37	38	VAL	O-C-N	-7.13	114.48	121.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	84	ARG	NE-CZ-NH1	-7.13	114.37	121.50
2	4J	38	VAL	O-C-N	-7.13	114.48	121.83
1	4M	84	ARG	NE-CZ-NH1	-7.13	114.37	121.50
2	4R	38	VAL	O-C-N	-7.13	114.48	121.83
1	4U	84	ARG	NE-CZ-NH1	-7.13	114.37	121.50
1	5Q	84	ARG	NE-CZ-NH1	-7.13	114.37	121.50
2	5Z	38	VAL	O-C-N	-7.13	114.48	121.83
2	6F	38	VAL	O-C-N	-7.13	114.48	121.83
1	6I	84	ARG	NE-CZ-NH1	-7.13	114.37	121.50
1	6Q	84	ARG	NE-CZ-NH1	-7.13	114.37	121.50
2	6Z	38	VAL	O-C-N	-7.13	114.48	121.83
2	7J	38	VAL	O-C-N	-7.13	114.48	121.83
1	7M	84	ARG	NE-CZ-NH1	-7.13	114.37	121.50
2	7V	38	VAL	O-C-N	-7.13	114.48	121.83
1	1E	84	ARG	CG-CD-NE	7.13	127.68	112.00
1	2M	84	ARG	CG-CD-NE	7.13	127.68	112.00
1	22	84	ARG	CG-CD-NE	7.13	127.68	112.00
1	3M	84	ARG	CG-CD-NE	7.13	127.68	112.00
1	36	84	ARG	CG-CD-NE	7.13	127.68	112.00
1	4I	84	ARG	CG-CD-NE	7.13	127.68	112.00
1	4Q	84	ARG	CG-CD-NE	7.13	127.68	112.00
1	5Y	84	ARG	CG-CD-NE	7.13	127.68	112.00
1	6E	84	ARG	CG-CD-NE	7.13	127.68	112.00
1	6Y	84	ARG	CG-CD-NE	7.13	127.68	112.00
1	7I	84	ARG	CG-CD-NE	7.13	127.68	112.00
1	7U	84	ARG	CG-CD-NE	7.13	127.68	112.00
2	1N	41	PHE	CA-CB-CG	7.12	120.92	113.80
2	13	38	VAL	O-C-N	-7.12	114.49	121.83
2	17	38	VAL	O-C-N	-7.12	114.49	121.83
2	2B	38	VAL	O-C-N	-7.12	114.49	121.83
2	2J	41	PHE	CA-CB-CG	7.12	120.92	113.80
2	3B	41	PHE	CA-CB-CG	7.12	120.92	113.80
2	3J	41	PHE	CA-CB-CG	7.12	120.92	113.80
2	3R	38	VAL	O-C-N	-7.12	114.49	121.83
2	3V	38	VAL	O-C-N	-7.12	114.49	121.83
2	3Z	38	VAL	O-C-N	-7.12	114.49	121.83
2	33	41	PHE	CA-CB-CG	7.12	120.92	113.80
2	4F	41	PHE	CA-CB-CG	7.12	120.92	113.80
2	4Z	41	PHE	CA-CB-CG	7.12	120.92	113.80
2	5F	38	VAL	O-C-N	-7.12	114.49	121.83
2	5J	38	VAL	O-C-N	-7.12	114.49	121.83
2	5N	38	VAL	O-C-N	-7.12	114.49	121.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	41	PHE	CA-CB-CG	7.12	120.92	113.80
2	6N	41	PHE	CA-CB-CG	7.12	120.92	113.80
2	6V	41	PHE	CA-CB-CG	7.12	120.92	113.80
2	63	38	VAL	O-C-N	-7.12	114.49	121.83
2	67	38	VAL	O-C-N	-7.12	114.49	121.83
2	7B	38	VAL	O-C-N	-7.12	114.49	121.83
2	7F	41	PHE	CA-CB-CG	7.12	120.92	113.80
2	7R	41	PHE	CA-CB-CG	7.12	120.92	113.80
1	1A	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	1I	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	1Q	84	ARG	CG-CD-NE	7.12	127.67	112.00
1	1U	84	ARG	CG-CD-NE	7.12	127.67	112.00
1	1Y	84	ARG	CG-CD-NE	7.12	127.67	112.00
1	2E	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	2Q	84	ARG	CG-CD-NE	7.12	127.67	112.00
1	2U	84	ARG	CG-CD-NE	7.12	127.67	112.00
1	2Y	84	ARG	CG-CD-NE	7.12	127.67	112.00
1	26	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	3E	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	4A	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	4M	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	4U	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	42	84	ARG	CG-CD-NE	7.12	127.67	112.00
1	46	84	ARG	CG-CD-NE	7.12	127.67	112.00
1	5A	84	ARG	CG-CD-NE	7.12	127.67	112.00
1	5Q	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	52	84	ARG	CG-CD-NE	7.12	127.67	112.00
1	56	84	ARG	CG-CD-NE	7.12	127.67	112.00
1	6A	84	ARG	CG-CD-NE	7.12	127.67	112.00
1	6I	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	6Q	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	7M	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	1Q	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	1U	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	1Y	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	2Q	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	2U	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	2Y	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	42	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	46	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	5A	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	52	95	THR	CA-CB-OG1	-7.12	98.92	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	6A	95	THR	CA-CB-OG1	-7.12	98.92	109.60
1	1A	84	ARG	CG-CD-NE	7.12	127.66	112.00
1	1I	84	ARG	CG-CD-NE	7.12	127.66	112.00
1	1M	84	ARG	CG-CD-NE	7.12	127.65	112.00
1	2E	84	ARG	CG-CD-NE	7.12	127.66	112.00
1	2I	84	ARG	CG-CD-NE	7.12	127.65	112.00
1	26	84	ARG	CG-CD-NE	7.12	127.66	112.00
1	3A	84	ARG	CG-CD-NE	7.12	127.65	112.00
1	3E	84	ARG	CG-CD-NE	7.12	127.66	112.00
1	3I	84	ARG	CG-CD-NE	7.12	127.65	112.00
1	32	84	ARG	CG-CD-NE	7.12	127.65	112.00
1	4A	84	ARG	CG-CD-NE	7.12	127.66	112.00
1	4E	84	ARG	CG-CD-NE	7.12	127.65	112.00
1	4M	84	ARG	CG-CD-NE	7.12	127.66	112.00
1	4U	84	ARG	CG-CD-NE	7.12	127.66	112.00
1	4Y	84	ARG	CG-CD-NE	7.12	127.65	112.00
1	5Q	84	ARG	CG-CD-NE	7.12	127.66	112.00
1	5U	84	ARG	CG-CD-NE	7.12	127.65	112.00
1	6I	84	ARG	CG-CD-NE	7.12	127.66	112.00
1	6M	84	ARG	CG-CD-NE	7.12	127.65	112.00
1	6Q	84	ARG	CG-CD-NE	7.12	127.66	112.00
1	6U	84	ARG	CG-CD-NE	7.12	127.65	112.00
1	7E	84	ARG	CG-CD-NE	7.12	127.65	112.00
1	7M	84	ARG	CG-CD-NE	7.12	127.66	112.00
1	7Q	84	ARG	CG-CD-NE	7.12	127.65	112.00
2	1R	38	VAL	N-CA-C	7.11	117.91	110.72
2	1V	38	VAL	N-CA-C	7.11	117.91	110.72
2	1Z	38	VAL	N-CA-C	7.11	117.91	110.72
2	13	39	ASP	N-CA-CB	-7.11	99.24	110.69
2	17	39	ASP	N-CA-CB	-7.11	99.24	110.69
2	2B	39	ASP	N-CA-CB	-7.11	99.24	110.69
2	2R	38	VAL	N-CA-C	7.11	117.91	110.72
2	2V	38	VAL	N-CA-C	7.11	117.91	110.72
2	2Z	38	VAL	N-CA-C	7.11	117.91	110.72
2	3R	39	ASP	N-CA-CB	-7.11	99.24	110.69
2	3V	39	ASP	N-CA-CB	-7.11	99.24	110.69
2	3Z	39	ASP	N-CA-CB	-7.11	99.24	110.69
2	43	38	VAL	N-CA-C	7.11	117.91	110.72
2	47	38	VAL	N-CA-C	7.11	117.91	110.72
2	5B	38	VAL	N-CA-C	7.11	117.91	110.72
2	5F	39	ASP	N-CA-CB	-7.11	99.24	110.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5J	39	ASP	N-CA-CB	-7.11	99.24	110.69
2	5N	39	ASP	N-CA-CB	-7.11	99.24	110.69
2	53	38	VAL	N-CA-C	7.11	117.91	110.72
2	57	38	VAL	N-CA-C	7.11	117.91	110.72
2	6B	38	VAL	N-CA-C	7.11	117.91	110.72
2	63	39	ASP	N-CA-CB	-7.11	99.24	110.69
2	67	39	ASP	N-CA-CB	-7.11	99.24	110.69
2	7B	39	ASP	N-CA-CB	-7.11	99.24	110.69
1	1Q	27	LYS	CA-C-N	7.11	127.87	119.98
1	1Q	27	LYS	C-N-CA	7.11	127.87	119.98
1	1U	27	LYS	CA-C-N	7.11	127.87	119.98
1	1U	27	LYS	C-N-CA	7.11	127.87	119.98
1	1Y	27	LYS	CA-C-N	7.11	127.87	119.98
1	1Y	27	LYS	C-N-CA	7.11	127.87	119.98
1	12	95	THR	CA-CB-OG1	-7.11	98.93	109.60
1	16	95	THR	CA-CB-OG1	-7.11	98.93	109.60
1	2A	95	THR	CA-CB-OG1	-7.11	98.93	109.60
1	2Q	27	LYS	CA-C-N	7.11	127.87	119.98
1	2Q	27	LYS	C-N-CA	7.11	127.87	119.98
1	2U	27	LYS	CA-C-N	7.11	127.87	119.98
1	2U	27	LYS	C-N-CA	7.11	127.87	119.98
1	2Y	27	LYS	CA-C-N	7.11	127.87	119.98
1	2Y	27	LYS	C-N-CA	7.11	127.87	119.98
1	3Q	95	THR	CA-CB-OG1	-7.11	98.93	109.60
1	3U	95	THR	CA-CB-OG1	-7.11	98.93	109.60
1	3Y	95	THR	CA-CB-OG1	-7.11	98.93	109.60
1	42	27	LYS	CA-C-N	7.11	127.87	119.98
1	42	27	LYS	C-N-CA	7.11	127.87	119.98
1	46	27	LYS	CA-C-N	7.11	127.87	119.98
1	46	27	LYS	C-N-CA	7.11	127.87	119.98
1	5A	27	LYS	CA-C-N	7.11	127.87	119.98
1	5A	27	LYS	C-N-CA	7.11	127.87	119.98
1	5E	95	THR	CA-CB-OG1	-7.11	98.93	109.60
1	5I	95	THR	CA-CB-OG1	-7.11	98.93	109.60
1	5M	95	THR	CA-CB-OG1	-7.11	98.93	109.60
1	52	27	LYS	CA-C-N	7.11	127.87	119.98
1	52	27	LYS	C-N-CA	7.11	127.87	119.98
1	56	27	LYS	CA-C-N	7.11	127.87	119.98
1	56	27	LYS	C-N-CA	7.11	127.87	119.98
1	6A	27	LYS	CA-C-N	7.11	127.87	119.98
1	6A	27	LYS	C-N-CA	7.11	127.87	119.98
1	62	95	THR	CA-CB-OG1	-7.11	98.93	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	95	THR	CA-CB-OG1	-7.11	98.93	109.60
1	7A	95	THR	CA-CB-OG1	-7.11	98.93	109.60
2	1F	39	ASP	N-CA-CB	-7.11	99.25	110.69
2	1N	55	PRO	CB-CA-C	7.11	122.49	112.11
2	2J	55	PRO	CB-CA-C	7.11	122.49	112.11
2	2N	39	ASP	N-CA-CB	-7.11	99.25	110.69
2	23	39	ASP	N-CA-CB	-7.11	99.25	110.69
2	3B	55	PRO	CB-CA-C	7.11	122.49	112.11
2	3J	55	PRO	CB-CA-C	7.11	122.49	112.11
2	3N	39	ASP	N-CA-CB	-7.11	99.25	110.69
2	33	55	PRO	CB-CA-C	7.11	122.49	112.11
2	37	39	ASP	N-CA-CB	-7.11	99.25	110.69
2	4F	55	PRO	CB-CA-C	7.11	122.49	112.11
2	4J	39	ASP	N-CA-CB	-7.11	99.25	110.69
2	4R	39	ASP	N-CA-CB	-7.11	99.25	110.69
2	4Z	55	PRO	CB-CA-C	7.11	122.49	112.11
2	5V	55	PRO	CB-CA-C	7.11	122.49	112.11
2	5Z	39	ASP	N-CA-CB	-7.11	99.25	110.69
2	6F	39	ASP	N-CA-CB	-7.11	99.25	110.69
2	6N	55	PRO	CB-CA-C	7.11	122.49	112.11
2	6V	55	PRO	CB-CA-C	7.11	122.49	112.11
2	6Z	39	ASP	N-CA-CB	-7.11	99.25	110.69
2	7F	55	PRO	CB-CA-C	7.11	122.49	112.11
2	7J	39	ASP	N-CA-CB	-7.11	99.25	110.69
2	7R	55	PRO	CB-CA-C	7.11	122.49	112.11
2	7V	39	ASP	N-CA-CB	-7.11	99.25	110.69
1	1M	95	THR	CA-CB-OG1	-7.11	98.94	109.60
1	2I	95	THR	CA-CB-OG1	-7.11	98.94	109.60
1	3A	95	THR	CA-CB-OG1	-7.11	98.94	109.60
1	3I	95	THR	CA-CB-OG1	-7.11	98.94	109.60
1	32	95	THR	CA-CB-OG1	-7.11	98.94	109.60
1	4E	95	THR	CA-CB-OG1	-7.11	98.94	109.60
1	4Y	95	THR	CA-CB-OG1	-7.11	98.94	109.60
1	5U	95	THR	CA-CB-OG1	-7.11	98.94	109.60
1	6M	95	THR	CA-CB-OG1	-7.11	98.94	109.60
1	6U	95	THR	CA-CB-OG1	-7.11	98.94	109.60
1	7E	95	THR	CA-CB-OG1	-7.11	98.94	109.60
1	7Q	95	THR	CA-CB-OG1	-7.11	98.94	109.60
2	1R	39	ASP	CA-C-O	-7.10	113.18	120.71
2	1V	39	ASP	CA-C-O	-7.10	113.18	120.71
2	1Z	39	ASP	CA-C-O	-7.10	113.18	120.71
1	12	27	LYS	CA-C-N	7.10	127.87	119.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	12	27	LYS	C-N-CA	7.10	127.87	119.98
1	16	27	LYS	CA-C-N	7.10	127.87	119.98
1	16	27	LYS	C-N-CA	7.10	127.87	119.98
1	2A	27	LYS	CA-C-N	7.10	127.87	119.98
1	2A	27	LYS	C-N-CA	7.10	127.87	119.98
2	2R	39	ASP	CA-C-O	-7.10	113.18	120.71
2	2V	39	ASP	CA-C-O	-7.10	113.18	120.71
2	2Z	39	ASP	CA-C-O	-7.10	113.18	120.71
1	3Q	27	LYS	CA-C-N	7.10	127.87	119.98
1	3Q	27	LYS	C-N-CA	7.10	127.87	119.98
1	3U	27	LYS	CA-C-N	7.10	127.87	119.98
1	3U	27	LYS	C-N-CA	7.10	127.87	119.98
1	3Y	27	LYS	CA-C-N	7.10	127.87	119.98
1	3Y	27	LYS	C-N-CA	7.10	127.87	119.98
2	43	39	ASP	CA-C-O	-7.10	113.18	120.71
2	47	39	ASP	CA-C-O	-7.10	113.18	120.71
2	5B	39	ASP	CA-C-O	-7.10	113.18	120.71
1	5E	27	LYS	CA-C-N	7.10	127.87	119.98
1	5E	27	LYS	C-N-CA	7.10	127.87	119.98
1	5I	27	LYS	CA-C-N	7.10	127.87	119.98
1	5I	27	LYS	C-N-CA	7.10	127.87	119.98
1	5M	27	LYS	CA-C-N	7.10	127.87	119.98
1	5M	27	LYS	C-N-CA	7.10	127.87	119.98
2	53	39	ASP	CA-C-O	-7.10	113.18	120.71
2	57	39	ASP	CA-C-O	-7.10	113.18	120.71
2	6B	39	ASP	CA-C-O	-7.10	113.18	120.71
1	62	27	LYS	CA-C-N	7.10	127.87	119.98
1	62	27	LYS	C-N-CA	7.10	127.87	119.98
1	66	27	LYS	CA-C-N	7.10	127.87	119.98
1	66	27	LYS	C-N-CA	7.10	127.87	119.98
1	7A	27	LYS	CA-C-N	7.10	127.87	119.98
1	7A	27	LYS	C-N-CA	7.10	127.87	119.98
1	1A	27	LYS	CA-C-N	7.10	127.86	119.98
1	1A	27	LYS	C-N-CA	7.10	127.86	119.98
1	1I	27	LYS	CA-C-N	7.10	127.86	119.98
1	1I	27	LYS	C-N-CA	7.10	127.86	119.98
1	2E	27	LYS	CA-C-N	7.10	127.86	119.98
1	2E	27	LYS	C-N-CA	7.10	127.86	119.98
1	26	27	LYS	CA-C-N	7.10	127.86	119.98
1	26	27	LYS	C-N-CA	7.10	127.86	119.98
1	3E	27	LYS	CA-C-N	7.10	127.86	119.98
1	3E	27	LYS	C-N-CA	7.10	127.86	119.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	27	LYS	CA-C-N	7.10	127.86	119.98
1	4A	27	LYS	C-N-CA	7.10	127.86	119.98
1	4M	27	LYS	CA-C-N	7.10	127.86	119.98
1	4M	27	LYS	C-N-CA	7.10	127.86	119.98
1	4U	27	LYS	CA-C-N	7.10	127.86	119.98
1	4U	27	LYS	C-N-CA	7.10	127.86	119.98
1	5Q	27	LYS	CA-C-N	7.10	127.86	119.98
1	5Q	27	LYS	C-N-CA	7.10	127.86	119.98
1	6I	27	LYS	CA-C-N	7.10	127.86	119.98
1	6I	27	LYS	C-N-CA	7.10	127.86	119.98
1	6Q	27	LYS	CA-C-N	7.10	127.86	119.98
1	6Q	27	LYS	C-N-CA	7.10	127.86	119.98
1	7M	27	LYS	CA-C-N	7.10	127.86	119.98
1	7M	27	LYS	C-N-CA	7.10	127.86	119.98
1	1M	27	LYS	CA-C-N	7.10	127.86	119.98
1	1M	27	LYS	C-N-CA	7.10	127.86	119.98
1	2I	27	LYS	CA-C-N	7.10	127.86	119.98
1	2I	27	LYS	C-N-CA	7.10	127.86	119.98
1	3A	27	LYS	CA-C-N	7.10	127.86	119.98
1	3A	27	LYS	C-N-CA	7.10	127.86	119.98
1	3I	27	LYS	CA-C-N	7.10	127.86	119.98
1	3I	27	LYS	C-N-CA	7.10	127.86	119.98
1	32	27	LYS	CA-C-N	7.10	127.86	119.98
1	32	27	LYS	C-N-CA	7.10	127.86	119.98
1	4E	27	LYS	CA-C-N	7.10	127.86	119.98
1	4E	27	LYS	C-N-CA	7.10	127.86	119.98
1	4Y	27	LYS	CA-C-N	7.10	127.86	119.98
1	4Y	27	LYS	C-N-CA	7.10	127.86	119.98
1	5U	27	LYS	CA-C-N	7.10	127.86	119.98
1	5U	27	LYS	C-N-CA	7.10	127.86	119.98
1	6M	27	LYS	CA-C-N	7.10	127.86	119.98
1	6M	27	LYS	C-N-CA	7.10	127.86	119.98
1	6U	27	LYS	CA-C-N	7.10	127.86	119.98
1	6U	27	LYS	C-N-CA	7.10	127.86	119.98
1	7E	27	LYS	CA-C-N	7.10	127.86	119.98
1	7E	27	LYS	C-N-CA	7.10	127.86	119.98
1	7Q	27	LYS	CA-C-N	7.10	127.86	119.98
1	7Q	27	LYS	C-N-CA	7.10	127.86	119.98
1	1E	95	THR	CA-CB-OG1	-7.10	98.95	109.60
1	2M	95	THR	CA-CB-OG1	-7.10	98.95	109.60
1	22	95	THR	CA-CB-OG1	-7.10	98.95	109.60
1	3M	95	THR	CA-CB-OG1	-7.10	98.95	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	95	THR	CA-CB-OG1	-7.10	98.95	109.60
1	4I	95	THR	CA-CB-OG1	-7.10	98.95	109.60
1	4Q	95	THR	CA-CB-OG1	-7.10	98.95	109.60
1	5Y	95	THR	CA-CB-OG1	-7.10	98.95	109.60
1	6E	95	THR	CA-CB-OG1	-7.10	98.95	109.60
1	6Y	95	THR	CA-CB-OG1	-7.10	98.95	109.60
1	7I	95	THR	CA-CB-OG1	-7.10	98.95	109.60
1	7U	95	THR	CA-CB-OG1	-7.10	98.95	109.60
2	1B	38	VAL	O-C-N	-7.10	114.52	121.83
2	1J	38	VAL	O-C-N	-7.10	114.52	121.83
2	1N	38	VAL	N-CA-C	7.10	117.89	110.72
2	2F	38	VAL	O-C-N	-7.10	114.52	121.83
2	2J	38	VAL	N-CA-C	7.10	117.89	110.72
2	27	38	VAL	O-C-N	-7.10	114.52	121.83
2	3B	38	VAL	N-CA-C	7.10	117.89	110.72
2	3F	38	VAL	O-C-N	-7.10	114.52	121.83
2	3J	38	VAL	N-CA-C	7.10	117.89	110.72
2	33	38	VAL	N-CA-C	7.10	117.89	110.72
2	4B	38	VAL	O-C-N	-7.10	114.52	121.83
2	4F	38	VAL	N-CA-C	7.10	117.89	110.72
2	4N	38	VAL	O-C-N	-7.10	114.52	121.83
2	4V	38	VAL	O-C-N	-7.10	114.52	121.83
2	4Z	38	VAL	N-CA-C	7.10	117.89	110.72
2	5R	38	VAL	O-C-N	-7.10	114.52	121.83
2	5V	38	VAL	N-CA-C	7.10	117.89	110.72
2	6J	38	VAL	O-C-N	-7.10	114.52	121.83
2	6N	38	VAL	N-CA-C	7.10	117.89	110.72
2	6R	38	VAL	O-C-N	-7.10	114.52	121.83
2	6V	38	VAL	N-CA-C	7.10	117.89	110.72
2	7F	38	VAL	N-CA-C	7.10	117.89	110.72
2	7N	38	VAL	O-C-N	-7.10	114.52	121.83
2	7R	38	VAL	N-CA-C	7.10	117.89	110.72
2	1F	41	PHE	CA-CB-CG	7.10	120.90	113.80
2	1R	55	PRO	CB-CA-C	7.10	122.47	112.11
2	1V	55	PRO	CB-CA-C	7.10	122.47	112.11
2	1Z	55	PRO	CB-CA-C	7.10	122.47	112.11
2	2N	41	PHE	CA-CB-CG	7.10	120.90	113.80
2	2R	55	PRO	CB-CA-C	7.10	122.47	112.11
2	2V	55	PRO	CB-CA-C	7.10	122.47	112.11
2	2Z	55	PRO	CB-CA-C	7.10	122.47	112.11
2	23	41	PHE	CA-CB-CG	7.10	120.90	113.80
2	3N	41	PHE	CA-CB-CG	7.10	120.90	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	41	PHE	CA-CB-CG	7.10	120.90	113.80
2	4J	41	PHE	CA-CB-CG	7.10	120.90	113.80
2	4R	41	PHE	CA-CB-CG	7.10	120.90	113.80
2	43	55	PRO	CB-CA-C	7.10	122.47	112.11
2	47	55	PRO	CB-CA-C	7.10	122.47	112.11
2	5B	55	PRO	CB-CA-C	7.10	122.47	112.11
2	5Z	41	PHE	CA-CB-CG	7.10	120.90	113.80
2	53	55	PRO	CB-CA-C	7.10	122.47	112.11
2	57	55	PRO	CB-CA-C	7.10	122.47	112.11
2	6B	55	PRO	CB-CA-C	7.10	122.47	112.11
2	6F	41	PHE	CA-CB-CG	7.10	120.90	113.80
2	6Z	41	PHE	CA-CB-CG	7.10	120.90	113.80
2	7J	41	PHE	CA-CB-CG	7.10	120.90	113.80
2	7V	41	PHE	CA-CB-CG	7.10	120.90	113.80
2	1F	75	GLN	CA-C-N	7.09	132.20	122.34
2	1F	75	GLN	C-N-CA	7.09	132.20	122.34
2	2N	75	GLN	CA-C-N	7.09	132.20	122.34
2	2N	75	GLN	C-N-CA	7.09	132.20	122.34
2	23	75	GLN	CA-C-N	7.09	132.20	122.34
2	23	75	GLN	C-N-CA	7.09	132.20	122.34
2	3N	75	GLN	CA-C-N	7.09	132.20	122.34
2	3N	75	GLN	C-N-CA	7.09	132.20	122.34
2	37	75	GLN	CA-C-N	7.09	132.20	122.34
2	37	75	GLN	C-N-CA	7.09	132.20	122.34
2	4J	75	GLN	CA-C-N	7.09	132.20	122.34
2	4J	75	GLN	C-N-CA	7.09	132.20	122.34
2	4R	75	GLN	CA-C-N	7.09	132.20	122.34
2	4R	75	GLN	C-N-CA	7.09	132.20	122.34
2	5Z	75	GLN	CA-C-N	7.09	132.20	122.34
2	5Z	75	GLN	C-N-CA	7.09	132.20	122.34
2	6F	75	GLN	CA-C-N	7.09	132.20	122.34
2	6F	75	GLN	C-N-CA	7.09	132.20	122.34
2	6Z	75	GLN	CA-C-N	7.09	132.20	122.34
2	6Z	75	GLN	C-N-CA	7.09	132.20	122.34
2	7J	75	GLN	CA-C-N	7.09	132.20	122.34
2	7J	75	GLN	C-N-CA	7.09	132.20	122.34
2	7V	75	GLN	CA-C-N	7.09	132.20	122.34
2	7V	75	GLN	C-N-CA	7.09	132.20	122.34
2	1F	39	ASP	CA-C-O	-7.09	113.19	120.71
1	1M	95	THR	OG1-CB-CG2	7.09	123.48	109.30
2	1N	38	VAL	O-C-N	-7.09	114.53	121.83
2	13	41	PHE	CD1-CE1-CZ	-7.09	107.24	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	17	41	PHE	CD1-CE1-CZ	-7.09	107.24	120.00
2	2B	41	PHE	CD1-CE1-CZ	-7.09	107.24	120.00
1	2I	95	THR	OG1-CB-CG2	7.09	123.48	109.30
2	2J	38	VAL	O-C-N	-7.09	114.53	121.83
2	2N	39	ASP	CA-C-O	-7.09	113.19	120.71
2	23	39	ASP	CA-C-O	-7.09	113.19	120.71
1	3A	95	THR	OG1-CB-CG2	7.09	123.48	109.30
2	3B	38	VAL	O-C-N	-7.09	114.53	121.83
1	3I	95	THR	OG1-CB-CG2	7.09	123.48	109.30
2	3J	38	VAL	O-C-N	-7.09	114.53	121.83
2	3N	39	ASP	CA-C-O	-7.09	113.19	120.71
2	3R	41	PHE	CD1-CE1-CZ	-7.09	107.24	120.00
2	3V	41	PHE	CD1-CE1-CZ	-7.09	107.24	120.00
2	3Z	41	PHE	CD1-CE1-CZ	-7.09	107.24	120.00
1	32	95	THR	OG1-CB-CG2	7.09	123.48	109.30
2	33	38	VAL	O-C-N	-7.09	114.53	121.83
2	37	39	ASP	CA-C-O	-7.09	113.19	120.71
1	4E	95	THR	OG1-CB-CG2	7.09	123.48	109.30
2	4F	38	VAL	O-C-N	-7.09	114.53	121.83
2	4J	39	ASP	CA-C-O	-7.09	113.19	120.71
2	4R	39	ASP	CA-C-O	-7.09	113.19	120.71
1	4Y	95	THR	OG1-CB-CG2	7.09	123.48	109.30
2	4Z	38	VAL	O-C-N	-7.09	114.53	121.83
2	5F	41	PHE	CD1-CE1-CZ	-7.09	107.24	120.00
2	5J	41	PHE	CD1-CE1-CZ	-7.09	107.24	120.00
2	5N	41	PHE	CD1-CE1-CZ	-7.09	107.24	120.00
1	5U	95	THR	OG1-CB-CG2	7.09	123.48	109.30
2	5V	38	VAL	O-C-N	-7.09	114.53	121.83
2	5Z	39	ASP	CA-C-O	-7.09	113.19	120.71
2	6F	39	ASP	CA-C-O	-7.09	113.19	120.71
1	6M	95	THR	OG1-CB-CG2	7.09	123.48	109.30
2	6N	38	VAL	O-C-N	-7.09	114.53	121.83
1	6U	95	THR	OG1-CB-CG2	7.09	123.48	109.30
2	6V	38	VAL	O-C-N	-7.09	114.53	121.83
2	6Z	39	ASP	CA-C-O	-7.09	113.19	120.71
2	63	41	PHE	CD1-CE1-CZ	-7.09	107.24	120.00
2	67	41	PHE	CD1-CE1-CZ	-7.09	107.24	120.00
2	7B	41	PHE	CD1-CE1-CZ	-7.09	107.24	120.00
1	7E	95	THR	OG1-CB-CG2	7.09	123.48	109.30
2	7F	38	VAL	O-C-N	-7.09	114.53	121.83
2	7J	39	ASP	CA-C-O	-7.09	113.19	120.71
1	7Q	95	THR	OG1-CB-CG2	7.09	123.48	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	38	VAL	O-C-N	-7.09	114.53	121.83
2	7V	39	ASP	CA-C-O	-7.09	113.19	120.71
2	1B	55	PRO	CB-CA-C	7.09	122.46	112.11
2	1J	55	PRO	CB-CA-C	7.09	122.46	112.11
2	1R	38	VAL	O-C-N	-7.09	114.53	121.83
2	1V	38	VAL	O-C-N	-7.09	114.53	121.83
2	1Z	38	VAL	O-C-N	-7.09	114.53	121.83
2	13	75	GLN	CA-C-N	7.09	132.19	122.34
2	13	75	GLN	C-N-CA	7.09	132.19	122.34
2	17	75	GLN	CA-C-N	7.09	132.19	122.34
2	17	75	GLN	C-N-CA	7.09	132.19	122.34
2	2B	75	GLN	CA-C-N	7.09	132.19	122.34
2	2B	75	GLN	C-N-CA	7.09	132.19	122.34
2	2F	55	PRO	CB-CA-C	7.09	122.46	112.11
2	2R	38	VAL	O-C-N	-7.09	114.53	121.83
2	2V	38	VAL	O-C-N	-7.09	114.53	121.83
2	2Z	38	VAL	O-C-N	-7.09	114.53	121.83
2	27	55	PRO	CB-CA-C	7.09	122.46	112.11
2	3F	55	PRO	CB-CA-C	7.09	122.46	112.11
2	3R	75	GLN	CA-C-N	7.09	132.19	122.34
2	3R	75	GLN	C-N-CA	7.09	132.19	122.34
2	3V	75	GLN	CA-C-N	7.09	132.19	122.34
2	3V	75	GLN	C-N-CA	7.09	132.19	122.34
2	3Z	75	GLN	CA-C-N	7.09	132.19	122.34
2	3Z	75	GLN	C-N-CA	7.09	132.19	122.34
2	4B	55	PRO	CB-CA-C	7.09	122.46	112.11
2	4N	55	PRO	CB-CA-C	7.09	122.46	112.11
2	4V	55	PRO	CB-CA-C	7.09	122.46	112.11
2	43	38	VAL	O-C-N	-7.09	114.53	121.83
2	47	38	VAL	O-C-N	-7.09	114.53	121.83
2	5B	38	VAL	O-C-N	-7.09	114.53	121.83
2	5F	75	GLN	CA-C-N	7.09	132.19	122.34
2	5F	75	GLN	C-N-CA	7.09	132.19	122.34
2	5J	75	GLN	CA-C-N	7.09	132.19	122.34
2	5J	75	GLN	C-N-CA	7.09	132.19	122.34
2	5N	75	GLN	CA-C-N	7.09	132.19	122.34
2	5N	75	GLN	C-N-CA	7.09	132.19	122.34
2	5R	55	PRO	CB-CA-C	7.09	122.46	112.11
2	53	38	VAL	O-C-N	-7.09	114.53	121.83
2	57	38	VAL	O-C-N	-7.09	114.53	121.83
2	6B	38	VAL	O-C-N	-7.09	114.53	121.83
2	6J	55	PRO	CB-CA-C	7.09	122.46	112.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	55	PRO	CB-CA-C	7.09	122.46	112.11
2	63	75	GLN	CA-C-N	7.09	132.19	122.34
2	63	75	GLN	C-N-CA	7.09	132.19	122.34
2	67	75	GLN	CA-C-N	7.09	132.19	122.34
2	67	75	GLN	C-N-CA	7.09	132.19	122.34
2	7B	75	GLN	CA-C-N	7.09	132.19	122.34
2	7B	75	GLN	C-N-CA	7.09	132.19	122.34
2	7N	55	PRO	CB-CA-C	7.09	122.46	112.11
1	1A	95	THR	OG1-CB-CG2	7.09	123.48	109.30
1	1I	95	THR	OG1-CB-CG2	7.09	123.48	109.30
1	2E	95	THR	OG1-CB-CG2	7.09	123.48	109.30
1	26	95	THR	OG1-CB-CG2	7.09	123.48	109.30
1	3E	95	THR	OG1-CB-CG2	7.09	123.48	109.30
1	4A	95	THR	OG1-CB-CG2	7.09	123.48	109.30
1	4M	95	THR	OG1-CB-CG2	7.09	123.48	109.30
1	4U	95	THR	OG1-CB-CG2	7.09	123.48	109.30
1	5Q	95	THR	OG1-CB-CG2	7.09	123.48	109.30
1	6I	95	THR	OG1-CB-CG2	7.09	123.48	109.30
1	6Q	95	THR	OG1-CB-CG2	7.09	123.48	109.30
1	7M	95	THR	OG1-CB-CG2	7.09	123.48	109.30
2	1B	39	ASP	CA-C-O	-7.09	113.20	120.71
2	1J	39	ASP	CA-C-O	-7.09	113.20	120.71
2	2F	39	ASP	CA-C-O	-7.09	113.20	120.71
2	27	39	ASP	CA-C-O	-7.09	113.20	120.71
2	3F	39	ASP	CA-C-O	-7.09	113.20	120.71
2	4B	39	ASP	CA-C-O	-7.09	113.20	120.71
2	4N	39	ASP	CA-C-O	-7.09	113.20	120.71
2	4V	39	ASP	CA-C-O	-7.09	113.20	120.71
2	5R	39	ASP	CA-C-O	-7.09	113.20	120.71
2	6J	39	ASP	CA-C-O	-7.09	113.20	120.71
2	6R	39	ASP	CA-C-O	-7.09	113.20	120.71
2	7N	39	ASP	CA-C-O	-7.09	113.20	120.71
2	13	39	ASP	CA-C-O	-7.08	113.20	120.71
2	17	39	ASP	CA-C-O	-7.08	113.20	120.71
2	2B	39	ASP	CA-C-O	-7.08	113.20	120.71
2	3R	39	ASP	CA-C-O	-7.08	113.20	120.71
2	3V	39	ASP	CA-C-O	-7.08	113.20	120.71
2	3Z	39	ASP	CA-C-O	-7.08	113.20	120.71
2	5F	39	ASP	CA-C-O	-7.08	113.20	120.71
2	5J	39	ASP	CA-C-O	-7.08	113.20	120.71
2	5N	39	ASP	CA-C-O	-7.08	113.20	120.71
2	63	39	ASP	CA-C-O	-7.08	113.20	120.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	39	ASP	CA-C-O	-7.08	113.20	120.71
2	7B	39	ASP	CA-C-O	-7.08	113.20	120.71
1	1E	27	LYS	CA-C-N	7.08	127.84	119.98
1	1E	27	LYS	C-N-CA	7.08	127.84	119.98
1	1M	29	TYR	OH-CZ-CE2	7.08	141.15	119.90
2	1N	41	PHE	CD1-CE1-CZ	-7.08	107.25	120.00
1	1Q	95	THR	OG1-CB-CG2	7.08	123.46	109.30
1	1U	95	THR	OG1-CB-CG2	7.08	123.46	109.30
1	1Y	95	THR	OG1-CB-CG2	7.08	123.46	109.30
1	12	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
2	13	41	PHE	CA-CB-CG	7.08	120.88	113.80
1	16	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
2	17	41	PHE	CA-CB-CG	7.08	120.88	113.80
1	2A	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
2	2B	41	PHE	CA-CB-CG	7.08	120.88	113.80
1	2I	29	TYR	OH-CZ-CE2	7.08	141.15	119.90
2	2J	41	PHE	CD1-CE1-CZ	-7.08	107.25	120.00
1	2M	27	LYS	CA-C-N	7.08	127.84	119.98
1	2M	27	LYS	C-N-CA	7.08	127.84	119.98
1	2Q	95	THR	OG1-CB-CG2	7.08	123.46	109.30
1	2U	95	THR	OG1-CB-CG2	7.08	123.46	109.30
1	2Y	95	THR	OG1-CB-CG2	7.08	123.46	109.30
1	22	27	LYS	CA-C-N	7.08	127.84	119.98
1	22	27	LYS	C-N-CA	7.08	127.84	119.98
1	3A	29	TYR	OH-CZ-CE2	7.08	141.15	119.90
2	3B	41	PHE	CD1-CE1-CZ	-7.08	107.25	120.00
1	3I	29	TYR	OH-CZ-CE2	7.08	141.15	119.90
2	3J	41	PHE	CD1-CE1-CZ	-7.08	107.25	120.00
1	3M	27	LYS	CA-C-N	7.08	127.84	119.98
1	3M	27	LYS	C-N-CA	7.08	127.84	119.98
1	3Q	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
2	3R	41	PHE	CA-CB-CG	7.08	120.88	113.80
1	3U	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
2	3V	41	PHE	CA-CB-CG	7.08	120.88	113.80
1	3Y	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
2	3Z	41	PHE	CA-CB-CG	7.08	120.88	113.80
1	32	29	TYR	OH-CZ-CE2	7.08	141.15	119.90
2	33	41	PHE	CD1-CE1-CZ	-7.08	107.25	120.00
1	36	27	LYS	CA-C-N	7.08	127.84	119.98
1	36	27	LYS	C-N-CA	7.08	127.84	119.98
1	4E	29	TYR	OH-CZ-CE2	7.08	141.15	119.90
2	4F	41	PHE	CD1-CE1-CZ	-7.08	107.25	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4I	27	LYS	CA-C-N	7.08	127.84	119.98
1	4I	27	LYS	C-N-CA	7.08	127.84	119.98
1	4Q	27	LYS	CA-C-N	7.08	127.84	119.98
1	4Q	27	LYS	C-N-CA	7.08	127.84	119.98
1	4Y	29	TYR	OH-CZ-CE2	7.08	141.15	119.90
2	4Z	41	PHE	CD1-CE1-CZ	-7.08	107.25	120.00
1	42	95	THR	OG1-CB-CG2	7.08	123.46	109.30
1	46	95	THR	OG1-CB-CG2	7.08	123.46	109.30
1	5A	95	THR	OG1-CB-CG2	7.08	123.46	109.30
1	5E	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
2	5F	41	PHE	CA-CB-CG	7.08	120.88	113.80
1	5I	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
2	5J	41	PHE	CA-CB-CG	7.08	120.88	113.80
1	5M	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
2	5N	41	PHE	CA-CB-CG	7.08	120.88	113.80
1	5U	29	TYR	OH-CZ-CE2	7.08	141.15	119.90
2	5V	41	PHE	CD1-CE1-CZ	-7.08	107.25	120.00
1	5Y	27	LYS	CA-C-N	7.08	127.84	119.98
1	5Y	27	LYS	C-N-CA	7.08	127.84	119.98
1	52	95	THR	OG1-CB-CG2	7.08	123.46	109.30
1	56	95	THR	OG1-CB-CG2	7.08	123.46	109.30
1	6A	95	THR	OG1-CB-CG2	7.08	123.46	109.30
1	6E	27	LYS	CA-C-N	7.08	127.84	119.98
1	6E	27	LYS	C-N-CA	7.08	127.84	119.98
1	6M	29	TYR	OH-CZ-CE2	7.08	141.15	119.90
2	6N	41	PHE	CD1-CE1-CZ	-7.08	107.25	120.00
1	6U	29	TYR	OH-CZ-CE2	7.08	141.15	119.90
2	6V	41	PHE	CD1-CE1-CZ	-7.08	107.25	120.00
1	6Y	27	LYS	CA-C-N	7.08	127.84	119.98
1	6Y	27	LYS	C-N-CA	7.08	127.84	119.98
1	62	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
2	63	41	PHE	CA-CB-CG	7.08	120.88	113.80
1	66	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
2	67	41	PHE	CA-CB-CG	7.08	120.88	113.80
1	7A	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
2	7B	41	PHE	CA-CB-CG	7.08	120.88	113.80
1	7E	29	TYR	OH-CZ-CE2	7.08	141.15	119.90
2	7F	41	PHE	CD1-CE1-CZ	-7.08	107.25	120.00
1	7I	27	LYS	CA-C-N	7.08	127.84	119.98
1	7I	27	LYS	C-N-CA	7.08	127.84	119.98
1	7Q	29	TYR	OH-CZ-CE2	7.08	141.15	119.90
2	7R	41	PHE	CD1-CE1-CZ	-7.08	107.25	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	27	LYS	CA-C-N	7.08	127.84	119.98
1	7U	27	LYS	C-N-CA	7.08	127.84	119.98
1	1E	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
1	1Q	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
1	1U	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
1	1Y	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
1	12	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	16	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	2A	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	2M	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
1	2Q	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
1	2U	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
1	2Y	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
1	22	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
1	3M	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
1	3Q	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	3U	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	3Y	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	36	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
1	4I	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
1	4Q	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
1	42	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
1	46	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
1	5A	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
1	5E	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	5I	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	5M	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	5Y	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
1	52	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
1	56	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
1	6A	29	TYR	OH-CZ-CE2	7.08	141.14	119.90
1	6E	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
1	6Y	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
1	62	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	66	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	7A	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	7I	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
1	7U	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
1	1E	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	2M	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	22	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	3M	95	THR	OG1-CB-CG2	7.08	123.45	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	4I	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	4Q	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	5Y	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	6E	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	6Y	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	7I	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	7U	95	THR	OG1-CB-CG2	7.08	123.45	109.30
1	1A	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
2	1B	75	GLN	CA-C-N	7.08	132.17	122.34
2	1B	75	GLN	C-N-CA	7.08	132.17	122.34
1	1I	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
2	1J	75	GLN	CA-C-N	7.08	132.17	122.34
2	1J	75	GLN	C-N-CA	7.08	132.17	122.34
1	2E	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
2	2F	75	GLN	CA-C-N	7.08	132.17	122.34
2	2F	75	GLN	C-N-CA	7.08	132.17	122.34
1	26	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
2	27	75	GLN	CA-C-N	7.08	132.17	122.34
2	27	75	GLN	C-N-CA	7.08	132.17	122.34
1	3E	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
2	3F	75	GLN	CA-C-N	7.08	132.17	122.34
2	3F	75	GLN	C-N-CA	7.08	132.17	122.34
1	4A	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
2	4B	75	GLN	CA-C-N	7.08	132.17	122.34
2	4B	75	GLN	C-N-CA	7.08	132.17	122.34
1	4M	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
2	4N	75	GLN	CA-C-N	7.08	132.17	122.34
2	4N	75	GLN	C-N-CA	7.08	132.17	122.34
1	4U	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
2	4V	75	GLN	CA-C-N	7.08	132.17	122.34
2	4V	75	GLN	C-N-CA	7.08	132.17	122.34
1	5Q	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
2	5R	75	GLN	CA-C-N	7.08	132.17	122.34
2	5R	75	GLN	C-N-CA	7.08	132.17	122.34
1	6I	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
2	6J	75	GLN	CA-C-N	7.08	132.17	122.34
2	6J	75	GLN	C-N-CA	7.08	132.17	122.34
1	6Q	29	TYR	OH-CZ-CE2	7.08	141.13	119.90
2	6R	75	GLN	CA-C-N	7.08	132.17	122.34
2	6R	75	GLN	C-N-CA	7.08	132.17	122.34
1	7M	29	TYR	OH-CZ-CE2	7.08	141.13	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	75	GLN	CA-C-N	7.08	132.17	122.34
2	7N	75	GLN	C-N-CA	7.08	132.17	122.34
2	1B	41	PHE	CD1-CE1-CZ	-7.07	107.27	120.00
2	1J	41	PHE	CD1-CE1-CZ	-7.07	107.27	120.00
2	1N	39	ASP	CA-C-O	-7.07	113.22	120.71
2	2F	41	PHE	CD1-CE1-CZ	-7.07	107.27	120.00
2	2J	39	ASP	CA-C-O	-7.07	113.22	120.71
2	27	41	PHE	CD1-CE1-CZ	-7.07	107.27	120.00
2	3B	39	ASP	CA-C-O	-7.07	113.22	120.71
2	3F	41	PHE	CD1-CE1-CZ	-7.07	107.27	120.00
2	3J	39	ASP	CA-C-O	-7.07	113.22	120.71
2	33	39	ASP	CA-C-O	-7.07	113.22	120.71
2	4B	41	PHE	CD1-CE1-CZ	-7.07	107.27	120.00
2	4F	39	ASP	CA-C-O	-7.07	113.22	120.71
2	4N	41	PHE	CD1-CE1-CZ	-7.07	107.27	120.00
2	4V	41	PHE	CD1-CE1-CZ	-7.07	107.27	120.00
2	4Z	39	ASP	CA-C-O	-7.07	113.22	120.71
2	5R	41	PHE	CD1-CE1-CZ	-7.07	107.27	120.00
2	5V	39	ASP	CA-C-O	-7.07	113.22	120.71
2	6J	41	PHE	CD1-CE1-CZ	-7.07	107.27	120.00
2	6N	39	ASP	CA-C-O	-7.07	113.22	120.71
2	6R	41	PHE	CD1-CE1-CZ	-7.07	107.27	120.00
2	6V	39	ASP	CA-C-O	-7.07	113.22	120.71
2	7F	39	ASP	CA-C-O	-7.07	113.22	120.71
2	7N	41	PHE	CD1-CE1-CZ	-7.07	107.27	120.00
2	7R	39	ASP	CA-C-O	-7.07	113.22	120.71
2	1F	55	PRO	CB-CA-C	7.07	122.43	112.11
2	2N	55	PRO	CB-CA-C	7.07	122.43	112.11
2	23	55	PRO	CB-CA-C	7.07	122.43	112.11
2	3N	55	PRO	CB-CA-C	7.07	122.43	112.11
2	37	55	PRO	CB-CA-C	7.07	122.43	112.11
2	4J	55	PRO	CB-CA-C	7.07	122.43	112.11
2	4R	55	PRO	CB-CA-C	7.07	122.43	112.11
2	5Z	55	PRO	CB-CA-C	7.07	122.43	112.11
2	6F	55	PRO	CB-CA-C	7.07	122.43	112.11
2	6Z	55	PRO	CB-CA-C	7.07	122.43	112.11
2	7J	55	PRO	CB-CA-C	7.07	122.43	112.11
2	7V	55	PRO	CB-CA-C	7.07	122.43	112.11
2	1R	41	PHE	CD1-CE1-CZ	-7.07	107.28	120.00
2	1V	41	PHE	CD1-CE1-CZ	-7.07	107.28	120.00
2	1Z	41	PHE	CD1-CE1-CZ	-7.07	107.28	120.00
2	13	55	PRO	CB-CA-C	7.07	122.43	112.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	17	55	PRO	CB-CA-C	7.07	122.43	112.11
2	2B	55	PRO	CB-CA-C	7.07	122.43	112.11
2	2R	41	PHE	CD1-CE1-CZ	-7.07	107.28	120.00
2	2V	41	PHE	CD1-CE1-CZ	-7.07	107.28	120.00
2	2Z	41	PHE	CD1-CE1-CZ	-7.07	107.28	120.00
2	3R	55	PRO	CB-CA-C	7.07	122.43	112.11
2	3V	55	PRO	CB-CA-C	7.07	122.43	112.11
2	3Z	55	PRO	CB-CA-C	7.07	122.43	112.11
2	43	41	PHE	CD1-CE1-CZ	-7.07	107.28	120.00
2	47	41	PHE	CD1-CE1-CZ	-7.07	107.28	120.00
2	5B	41	PHE	CD1-CE1-CZ	-7.07	107.28	120.00
2	5F	55	PRO	CB-CA-C	7.07	122.43	112.11
2	5J	55	PRO	CB-CA-C	7.07	122.43	112.11
2	5N	55	PRO	CB-CA-C	7.07	122.43	112.11
2	53	41	PHE	CD1-CE1-CZ	-7.07	107.28	120.00
2	57	41	PHE	CD1-CE1-CZ	-7.07	107.28	120.00
2	6B	41	PHE	CD1-CE1-CZ	-7.07	107.28	120.00
2	63	55	PRO	CB-CA-C	7.07	122.43	112.11
2	67	55	PRO	CB-CA-C	7.07	122.43	112.11
2	7B	55	PRO	CB-CA-C	7.07	122.43	112.11
1	1M	121	ILE	N-CA-CB	7.07	121.10	111.21
1	1Q	121	ILE	N-CA-CB	7.07	121.10	111.21
1	1U	121	ILE	N-CA-CB	7.07	121.10	111.21
1	1Y	121	ILE	N-CA-CB	7.07	121.10	111.21
1	2I	121	ILE	N-CA-CB	7.07	121.10	111.21
1	2Q	121	ILE	N-CA-CB	7.07	121.10	111.21
1	2U	121	ILE	N-CA-CB	7.07	121.10	111.21
1	2Y	121	ILE	N-CA-CB	7.07	121.10	111.21
1	3A	121	ILE	N-CA-CB	7.07	121.10	111.21
1	3I	121	ILE	N-CA-CB	7.07	121.10	111.21
1	32	121	ILE	N-CA-CB	7.07	121.10	111.21
1	4E	121	ILE	N-CA-CB	7.07	121.10	111.21
1	4Y	121	ILE	N-CA-CB	7.07	121.10	111.21
1	42	121	ILE	N-CA-CB	7.07	121.10	111.21
1	46	121	ILE	N-CA-CB	7.07	121.10	111.21
1	5A	121	ILE	N-CA-CB	7.07	121.10	111.21
1	5U	121	ILE	N-CA-CB	7.07	121.10	111.21
1	52	121	ILE	N-CA-CB	7.07	121.10	111.21
1	56	121	ILE	N-CA-CB	7.07	121.10	111.21
1	6A	121	ILE	N-CA-CB	7.07	121.10	111.21
1	6M	121	ILE	N-CA-CB	7.07	121.10	111.21
1	6U	121	ILE	N-CA-CB	7.07	121.10	111.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	121	ILE	N-CA-CB	7.07	121.10	111.21
1	7Q	121	ILE	N-CA-CB	7.07	121.10	111.21
2	1N	75	GLN	CA-C-N	7.06	132.16	122.34
2	1N	75	GLN	C-N-CA	7.06	132.16	122.34
2	2J	75	GLN	CA-C-N	7.06	132.16	122.34
2	2J	75	GLN	C-N-CA	7.06	132.16	122.34
2	3B	75	GLN	CA-C-N	7.06	132.16	122.34
2	3B	75	GLN	C-N-CA	7.06	132.16	122.34
2	3J	75	GLN	CA-C-N	7.06	132.16	122.34
2	3J	75	GLN	C-N-CA	7.06	132.16	122.34
2	33	75	GLN	CA-C-N	7.06	132.16	122.34
2	33	75	GLN	C-N-CA	7.06	132.16	122.34
2	4F	75	GLN	CA-C-N	7.06	132.16	122.34
2	4F	75	GLN	C-N-CA	7.06	132.16	122.34
2	4Z	75	GLN	CA-C-N	7.06	132.16	122.34
2	4Z	75	GLN	C-N-CA	7.06	132.16	122.34
2	5V	75	GLN	CA-C-N	7.06	132.16	122.34
2	5V	75	GLN	C-N-CA	7.06	132.16	122.34
2	6N	75	GLN	CA-C-N	7.06	132.16	122.34
2	6N	75	GLN	C-N-CA	7.06	132.16	122.34
2	6V	75	GLN	CA-C-N	7.06	132.16	122.34
2	6V	75	GLN	C-N-CA	7.06	132.16	122.34
2	7F	75	GLN	CA-C-N	7.06	132.16	122.34
2	7F	75	GLN	C-N-CA	7.06	132.16	122.34
2	7R	75	GLN	CA-C-N	7.06	132.16	122.34
2	7R	75	GLN	C-N-CA	7.06	132.16	122.34
1	1A	121	ILE	N-CA-CB	7.06	121.10	111.21
1	1I	121	ILE	N-CA-CB	7.06	121.10	111.21
2	1R	75	GLN	CA-C-N	7.06	132.16	122.34
2	1R	75	GLN	C-N-CA	7.06	132.16	122.34
2	1V	75	GLN	CA-C-N	7.06	132.16	122.34
2	1V	75	GLN	C-N-CA	7.06	132.16	122.34
2	1Z	75	GLN	CA-C-N	7.06	132.16	122.34
2	1Z	75	GLN	C-N-CA	7.06	132.16	122.34
1	2E	121	ILE	N-CA-CB	7.06	121.10	111.21
2	2R	75	GLN	CA-C-N	7.06	132.16	122.34
2	2R	75	GLN	C-N-CA	7.06	132.16	122.34
2	2V	75	GLN	CA-C-N	7.06	132.16	122.34
2	2V	75	GLN	C-N-CA	7.06	132.16	122.34
2	2Z	75	GLN	CA-C-N	7.06	132.16	122.34
2	2Z	75	GLN	C-N-CA	7.06	132.16	122.34
1	26	121	ILE	N-CA-CB	7.06	121.10	111.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	121	ILE	N-CA-CB	7.06	121.10	111.21
1	4A	121	ILE	N-CA-CB	7.06	121.10	111.21
1	4M	121	ILE	N-CA-CB	7.06	121.10	111.21
1	4U	121	ILE	N-CA-CB	7.06	121.10	111.21
2	43	75	GLN	CA-C-N	7.06	132.16	122.34
2	43	75	GLN	C-N-CA	7.06	132.16	122.34
2	47	75	GLN	CA-C-N	7.06	132.16	122.34
2	47	75	GLN	C-N-CA	7.06	132.16	122.34
2	5B	75	GLN	CA-C-N	7.06	132.16	122.34
2	5B	75	GLN	C-N-CA	7.06	132.16	122.34
1	5Q	121	ILE	N-CA-CB	7.06	121.10	111.21
2	53	75	GLN	CA-C-N	7.06	132.16	122.34
2	53	75	GLN	C-N-CA	7.06	132.16	122.34
2	57	75	GLN	CA-C-N	7.06	132.16	122.34
2	57	75	GLN	C-N-CA	7.06	132.16	122.34
2	6B	75	GLN	CA-C-N	7.06	132.16	122.34
2	6B	75	GLN	C-N-CA	7.06	132.16	122.34
1	6I	121	ILE	N-CA-CB	7.06	121.10	111.21
1	6Q	121	ILE	N-CA-CB	7.06	121.10	111.21
1	7M	121	ILE	N-CA-CB	7.06	121.10	111.21
2	1F	41	PHE	CD1-CE1-CZ	-7.05	107.30	120.00
2	2N	41	PHE	CD1-CE1-CZ	-7.05	107.30	120.00
2	23	41	PHE	CD1-CE1-CZ	-7.05	107.30	120.00
2	3N	41	PHE	CD1-CE1-CZ	-7.05	107.30	120.00
2	37	41	PHE	CD1-CE1-CZ	-7.05	107.30	120.00
2	4J	41	PHE	CD1-CE1-CZ	-7.05	107.30	120.00
2	4R	41	PHE	CD1-CE1-CZ	-7.05	107.30	120.00
2	5Z	41	PHE	CD1-CE1-CZ	-7.05	107.30	120.00
2	6F	41	PHE	CD1-CE1-CZ	-7.05	107.30	120.00
2	6Z	41	PHE	CD1-CE1-CZ	-7.05	107.30	120.00
2	7J	41	PHE	CD1-CE1-CZ	-7.05	107.30	120.00
2	7V	41	PHE	CD1-CE1-CZ	-7.05	107.30	120.00
2	1B	59	VAL	CG1-CB-CG2	-7.05	95.28	110.80
2	1J	59	VAL	CG1-CB-CG2	-7.05	95.28	110.80
2	2F	59	VAL	CG1-CB-CG2	-7.05	95.28	110.80
2	27	59	VAL	CG1-CB-CG2	-7.05	95.28	110.80
2	3F	59	VAL	CG1-CB-CG2	-7.05	95.28	110.80
2	4B	59	VAL	CG1-CB-CG2	-7.05	95.28	110.80
2	4N	59	VAL	CG1-CB-CG2	-7.05	95.28	110.80
2	4V	59	VAL	CG1-CB-CG2	-7.05	95.28	110.80
2	5R	59	VAL	CG1-CB-CG2	-7.05	95.28	110.80
2	6J	59	VAL	CG1-CB-CG2	-7.05	95.28	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	59	VAL	CG1-CB-CG2	-7.05	95.28	110.80
2	7N	59	VAL	CG1-CB-CG2	-7.05	95.28	110.80
2	1F	59	VAL	CG1-CB-CG2	-7.05	95.29	110.80
2	2N	59	VAL	CG1-CB-CG2	-7.05	95.29	110.80
2	23	59	VAL	CG1-CB-CG2	-7.05	95.29	110.80
2	3N	59	VAL	CG1-CB-CG2	-7.05	95.29	110.80
2	37	59	VAL	CG1-CB-CG2	-7.05	95.29	110.80
2	4J	59	VAL	CG1-CB-CG2	-7.05	95.29	110.80
2	4R	59	VAL	CG1-CB-CG2	-7.05	95.29	110.80
2	5Z	59	VAL	CG1-CB-CG2	-7.05	95.29	110.80
2	6F	59	VAL	CG1-CB-CG2	-7.05	95.29	110.80
2	6Z	59	VAL	CG1-CB-CG2	-7.05	95.29	110.80
2	7J	59	VAL	CG1-CB-CG2	-7.05	95.29	110.80
2	7V	59	VAL	CG1-CB-CG2	-7.05	95.29	110.80
1	1E	121	ILE	N-CA-CB	7.05	121.08	111.21
2	1R	59	VAL	CG1-CB-CG2	-7.05	95.30	110.80
2	1V	59	VAL	CG1-CB-CG2	-7.05	95.30	110.80
2	1Z	59	VAL	CG1-CB-CG2	-7.05	95.30	110.80
1	2M	121	ILE	N-CA-CB	7.05	121.08	111.21
2	2R	59	VAL	CG1-CB-CG2	-7.05	95.30	110.80
2	2V	59	VAL	CG1-CB-CG2	-7.05	95.30	110.80
2	2Z	59	VAL	CG1-CB-CG2	-7.05	95.30	110.80
1	22	121	ILE	N-CA-CB	7.05	121.08	111.21
1	3M	121	ILE	N-CA-CB	7.05	121.08	111.21
1	36	121	ILE	N-CA-CB	7.05	121.08	111.21
1	4I	121	ILE	N-CA-CB	7.05	121.08	111.21
1	4Q	121	ILE	N-CA-CB	7.05	121.08	111.21
2	43	59	VAL	CG1-CB-CG2	-7.05	95.30	110.80
2	47	59	VAL	CG1-CB-CG2	-7.05	95.30	110.80
2	5B	59	VAL	CG1-CB-CG2	-7.05	95.30	110.80
1	5Y	121	ILE	N-CA-CB	7.05	121.08	111.21
2	53	59	VAL	CG1-CB-CG2	-7.05	95.30	110.80
2	57	59	VAL	CG1-CB-CG2	-7.05	95.30	110.80
2	6B	59	VAL	CG1-CB-CG2	-7.05	95.30	110.80
1	6E	121	ILE	N-CA-CB	7.05	121.08	111.21
1	6Y	121	ILE	N-CA-CB	7.05	121.08	111.21
1	7I	121	ILE	N-CA-CB	7.05	121.08	111.21
1	7U	121	ILE	N-CA-CB	7.05	121.08	111.21
1	12	89	PHE	CE1-CZ-CE2	7.04	132.68	120.00
1	16	89	PHE	CE1-CZ-CE2	7.04	132.68	120.00
1	2A	89	PHE	CE1-CZ-CE2	7.04	132.68	120.00
1	3Q	89	PHE	CE1-CZ-CE2	7.04	132.68	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	89	PHE	CE1-CZ-CE2	7.04	132.68	120.00
1	3Y	89	PHE	CE1-CZ-CE2	7.04	132.68	120.00
1	5E	89	PHE	CE1-CZ-CE2	7.04	132.68	120.00
1	5I	89	PHE	CE1-CZ-CE2	7.04	132.68	120.00
1	5M	89	PHE	CE1-CZ-CE2	7.04	132.68	120.00
1	62	89	PHE	CE1-CZ-CE2	7.04	132.68	120.00
1	66	89	PHE	CE1-CZ-CE2	7.04	132.68	120.00
1	7A	89	PHE	CE1-CZ-CE2	7.04	132.68	120.00
2	1N	59	VAL	CG1-CB-CG2	-7.04	95.31	110.80
2	2J	59	VAL	CG1-CB-CG2	-7.04	95.31	110.80
2	3B	59	VAL	CG1-CB-CG2	-7.04	95.31	110.80
2	3J	59	VAL	CG1-CB-CG2	-7.04	95.31	110.80
2	33	59	VAL	CG1-CB-CG2	-7.04	95.31	110.80
2	4F	59	VAL	CG1-CB-CG2	-7.04	95.31	110.80
2	4Z	59	VAL	CG1-CB-CG2	-7.04	95.31	110.80
2	5V	59	VAL	CG1-CB-CG2	-7.04	95.31	110.80
2	6N	59	VAL	CG1-CB-CG2	-7.04	95.31	110.80
2	6V	59	VAL	CG1-CB-CG2	-7.04	95.31	110.80
2	7F	59	VAL	CG1-CB-CG2	-7.04	95.31	110.80
2	7R	59	VAL	CG1-CB-CG2	-7.04	95.31	110.80
2	13	59	VAL	CG1-CB-CG2	-7.03	95.33	110.80
2	17	59	VAL	CG1-CB-CG2	-7.03	95.33	110.80
2	2B	59	VAL	CG1-CB-CG2	-7.03	95.33	110.80
2	3R	59	VAL	CG1-CB-CG2	-7.03	95.33	110.80
2	3V	59	VAL	CG1-CB-CG2	-7.03	95.33	110.80
2	3Z	59	VAL	CG1-CB-CG2	-7.03	95.33	110.80
2	5F	59	VAL	CG1-CB-CG2	-7.03	95.33	110.80
2	5J	59	VAL	CG1-CB-CG2	-7.03	95.33	110.80
2	5N	59	VAL	CG1-CB-CG2	-7.03	95.33	110.80
2	63	59	VAL	CG1-CB-CG2	-7.03	95.33	110.80
2	67	59	VAL	CG1-CB-CG2	-7.03	95.33	110.80
2	7B	59	VAL	CG1-CB-CG2	-7.03	95.33	110.80
1	1M	89	PHE	CE1-CZ-CE2	7.03	132.65	120.00
1	2I	89	PHE	CE1-CZ-CE2	7.03	132.65	120.00
1	3A	89	PHE	CE1-CZ-CE2	7.03	132.65	120.00
1	3I	89	PHE	CE1-CZ-CE2	7.03	132.65	120.00
1	32	89	PHE	CE1-CZ-CE2	7.03	132.65	120.00
1	4E	89	PHE	CE1-CZ-CE2	7.03	132.65	120.00
1	4Y	89	PHE	CE1-CZ-CE2	7.03	132.65	120.00
1	5U	89	PHE	CE1-CZ-CE2	7.03	132.65	120.00
1	6M	89	PHE	CE1-CZ-CE2	7.03	132.65	120.00
1	6U	89	PHE	CE1-CZ-CE2	7.03	132.65	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	89	PHE	CE1-CZ-CE2	7.03	132.65	120.00
1	7Q	89	PHE	CE1-CZ-CE2	7.03	132.65	120.00
1	1A	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	1E	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	1I	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	12	121	ILE	N-CA-CB	7.02	121.04	111.21
1	16	121	ILE	N-CA-CB	7.02	121.04	111.21
1	2A	121	ILE	N-CA-CB	7.02	121.04	111.21
1	2E	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	2M	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	22	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	26	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	3E	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	3M	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	3Q	121	ILE	N-CA-CB	7.02	121.04	111.21
1	3U	121	ILE	N-CA-CB	7.02	121.04	111.21
1	3Y	121	ILE	N-CA-CB	7.02	121.04	111.21
1	36	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	4A	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	4I	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	4M	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	4Q	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	4U	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	5E	121	ILE	N-CA-CB	7.02	121.04	111.21
1	5I	121	ILE	N-CA-CB	7.02	121.04	111.21
1	5M	121	ILE	N-CA-CB	7.02	121.04	111.21
1	5Q	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	5Y	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	6E	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	6I	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	6Q	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	6Y	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	62	121	ILE	N-CA-CB	7.02	121.04	111.21
1	66	121	ILE	N-CA-CB	7.02	121.04	111.21
1	7A	121	ILE	N-CA-CB	7.02	121.04	111.21
1	7I	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	7M	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	7U	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	1Q	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	1U	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	1Y	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	2Q	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	2Y	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	42	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	46	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	5A	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	52	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	56	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
1	6A	89	PHE	CE1-CZ-CE2	7.02	132.64	120.00
2	13	66	TRP	CB-CA-C	-7.02	97.58	109.72
2	17	66	TRP	CB-CA-C	-7.02	97.58	109.72
2	2B	66	TRP	CB-CA-C	-7.02	97.58	109.72
2	3R	66	TRP	CB-CA-C	-7.02	97.58	109.72
2	3V	66	TRP	CB-CA-C	-7.02	97.58	109.72
2	3Z	66	TRP	CB-CA-C	-7.02	97.58	109.72
2	5F	66	TRP	CB-CA-C	-7.02	97.58	109.72
2	5J	66	TRP	CB-CA-C	-7.02	97.58	109.72
2	5N	66	TRP	CB-CA-C	-7.02	97.58	109.72
2	63	66	TRP	CB-CA-C	-7.02	97.58	109.72
2	67	66	TRP	CB-CA-C	-7.02	97.58	109.72
2	7B	66	TRP	CB-CA-C	-7.02	97.58	109.72
2	1N	66	TRP	CB-CA-C	-7.01	97.58	109.72
2	2J	66	TRP	CB-CA-C	-7.01	97.58	109.72
2	3B	66	TRP	CB-CA-C	-7.01	97.58	109.72
2	3J	66	TRP	CB-CA-C	-7.01	97.58	109.72
2	33	66	TRP	CB-CA-C	-7.01	97.58	109.72
2	4F	66	TRP	CB-CA-C	-7.01	97.58	109.72
2	4Z	66	TRP	CB-CA-C	-7.01	97.58	109.72
2	5V	66	TRP	CB-CA-C	-7.01	97.58	109.72
2	6N	66	TRP	CB-CA-C	-7.01	97.58	109.72
2	6V	66	TRP	CB-CA-C	-7.01	97.58	109.72
2	7F	66	TRP	CB-CA-C	-7.01	97.58	109.72
2	7R	66	TRP	CB-CA-C	-7.01	97.58	109.72
1	12	24	VAL	CG1-CB-CG2	7.01	126.23	110.80
1	16	24	VAL	CG1-CB-CG2	7.01	126.23	110.80
1	2A	24	VAL	CG1-CB-CG2	7.01	126.23	110.80
1	3Q	24	VAL	CG1-CB-CG2	7.01	126.23	110.80
1	3U	24	VAL	CG1-CB-CG2	7.01	126.23	110.80
1	3Y	24	VAL	CG1-CB-CG2	7.01	126.23	110.80
1	5E	24	VAL	CG1-CB-CG2	7.01	126.23	110.80
1	5I	24	VAL	CG1-CB-CG2	7.01	126.23	110.80
1	5M	24	VAL	CG1-CB-CG2	7.01	126.23	110.80
1	62	24	VAL	CG1-CB-CG2	7.01	126.23	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	24	VAL	CG1-CB-CG2	7.01	126.23	110.80
1	7A	24	VAL	CG1-CB-CG2	7.01	126.23	110.80
1	1M	24	VAL	CG1-CB-CG2	7.01	126.22	110.80
1	2I	24	VAL	CG1-CB-CG2	7.01	126.22	110.80
1	3A	24	VAL	CG1-CB-CG2	7.01	126.22	110.80
1	3I	24	VAL	CG1-CB-CG2	7.01	126.22	110.80
1	32	24	VAL	CG1-CB-CG2	7.01	126.22	110.80
1	4E	24	VAL	CG1-CB-CG2	7.01	126.22	110.80
1	4Y	24	VAL	CG1-CB-CG2	7.01	126.22	110.80
1	5U	24	VAL	CG1-CB-CG2	7.01	126.22	110.80
1	6M	24	VAL	CG1-CB-CG2	7.01	126.22	110.80
1	6U	24	VAL	CG1-CB-CG2	7.01	126.22	110.80
1	7E	24	VAL	CG1-CB-CG2	7.01	126.22	110.80
1	7Q	24	VAL	CG1-CB-CG2	7.01	126.22	110.80
2	1B	66	TRP	CB-CA-C	-7.01	97.60	109.72
2	1J	66	TRP	CB-CA-C	-7.01	97.60	109.72
2	2F	66	TRP	CB-CA-C	-7.01	97.60	109.72
2	27	66	TRP	CB-CA-C	-7.01	97.60	109.72
2	3F	66	TRP	CB-CA-C	-7.01	97.60	109.72
2	4B	66	TRP	CB-CA-C	-7.01	97.60	109.72
2	4N	66	TRP	CB-CA-C	-7.01	97.60	109.72
2	4V	66	TRP	CB-CA-C	-7.01	97.60	109.72
2	5R	66	TRP	CB-CA-C	-7.01	97.60	109.72
2	6J	66	TRP	CB-CA-C	-7.01	97.60	109.72
2	6R	66	TRP	CB-CA-C	-7.01	97.60	109.72
2	7N	66	TRP	CB-CA-C	-7.01	97.60	109.72
1	1A	14	ASP	CB-CA-C	7.00	123.40	110.10
1	1E	24	VAL	CG1-CB-CG2	7.00	126.20	110.80
1	1I	14	ASP	CB-CA-C	7.00	123.40	110.10
2	1R	66	TRP	CB-CA-C	-7.00	97.61	109.72
2	1V	66	TRP	CB-CA-C	-7.00	97.61	109.72
2	1Z	66	TRP	CB-CA-C	-7.00	97.61	109.72
1	2E	14	ASP	CB-CA-C	7.00	123.40	110.10
1	2M	24	VAL	CG1-CB-CG2	7.00	126.20	110.80
2	2R	66	TRP	CB-CA-C	-7.00	97.61	109.72
2	2V	66	TRP	CB-CA-C	-7.00	97.61	109.72
2	2Z	66	TRP	CB-CA-C	-7.00	97.61	109.72
1	22	24	VAL	CG1-CB-CG2	7.00	126.20	110.80
1	26	14	ASP	CB-CA-C	7.00	123.40	110.10
1	3E	14	ASP	CB-CA-C	7.00	123.40	110.10
1	3M	24	VAL	CG1-CB-CG2	7.00	126.20	110.80
1	36	24	VAL	CG1-CB-CG2	7.00	126.20	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	14	ASP	CB-CA-C	7.00	123.40	110.10
1	4I	24	VAL	CG1-CB-CG2	7.00	126.20	110.80
1	4M	14	ASP	CB-CA-C	7.00	123.40	110.10
1	4Q	24	VAL	CG1-CB-CG2	7.00	126.20	110.80
1	4U	14	ASP	CB-CA-C	7.00	123.40	110.10
2	43	66	TRP	CB-CA-C	-7.00	97.61	109.72
2	47	66	TRP	CB-CA-C	-7.00	97.61	109.72
2	5B	66	TRP	CB-CA-C	-7.00	97.61	109.72
1	5Q	14	ASP	CB-CA-C	7.00	123.40	110.10
1	5Y	24	VAL	CG1-CB-CG2	7.00	126.20	110.80
2	53	66	TRP	CB-CA-C	-7.00	97.61	109.72
2	57	66	TRP	CB-CA-C	-7.00	97.61	109.72
2	6B	66	TRP	CB-CA-C	-7.00	97.61	109.72
1	6E	24	VAL	CG1-CB-CG2	7.00	126.20	110.80
1	6I	14	ASP	CB-CA-C	7.00	123.40	110.10
1	6Q	14	ASP	CB-CA-C	7.00	123.40	110.10
1	6Y	24	VAL	CG1-CB-CG2	7.00	126.20	110.80
1	7I	24	VAL	CG1-CB-CG2	7.00	126.20	110.80
1	7M	14	ASP	CB-CA-C	7.00	123.40	110.10
1	7U	24	VAL	CG1-CB-CG2	7.00	126.20	110.80
2	1F	66	TRP	CB-CA-C	-7.00	97.61	109.72
1	1M	14	ASP	CB-CA-C	7.00	123.40	110.10
1	2I	14	ASP	CB-CA-C	7.00	123.40	110.10
2	2N	66	TRP	CB-CA-C	-7.00	97.61	109.72
2	23	66	TRP	CB-CA-C	-7.00	97.61	109.72
1	3A	14	ASP	CB-CA-C	7.00	123.40	110.10
1	3I	14	ASP	CB-CA-C	7.00	123.40	110.10
2	3N	66	TRP	CB-CA-C	-7.00	97.61	109.72
1	32	14	ASP	CB-CA-C	7.00	123.40	110.10
2	37	66	TRP	CB-CA-C	-7.00	97.61	109.72
1	4E	14	ASP	CB-CA-C	7.00	123.40	110.10
2	4J	66	TRP	CB-CA-C	-7.00	97.61	109.72
2	4R	66	TRP	CB-CA-C	-7.00	97.61	109.72
1	4Y	14	ASP	CB-CA-C	7.00	123.40	110.10
1	5U	14	ASP	CB-CA-C	7.00	123.40	110.10
2	5Z	66	TRP	CB-CA-C	-7.00	97.61	109.72
2	6F	66	TRP	CB-CA-C	-7.00	97.61	109.72
1	6M	14	ASP	CB-CA-C	7.00	123.40	110.10
1	6U	14	ASP	CB-CA-C	7.00	123.40	110.10
2	6Z	66	TRP	CB-CA-C	-7.00	97.61	109.72
1	7E	14	ASP	CB-CA-C	7.00	123.40	110.10
2	7J	66	TRP	CB-CA-C	-7.00	97.61	109.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	14	ASP	CB-CA-C	7.00	123.40	110.10
2	7V	66	TRP	CB-CA-C	-7.00	97.61	109.72
1	12	78	SER	CA-C-O	7.00	129.70	121.58
1	16	78	SER	CA-C-O	7.00	129.70	121.58
1	2A	78	SER	CA-C-O	7.00	129.70	121.58
1	3Q	78	SER	CA-C-O	7.00	129.70	121.58
1	3U	78	SER	CA-C-O	7.00	129.70	121.58
1	3Y	78	SER	CA-C-O	7.00	129.70	121.58
1	5E	78	SER	CA-C-O	7.00	129.70	121.58
1	5I	78	SER	CA-C-O	7.00	129.70	121.58
1	5M	78	SER	CA-C-O	7.00	129.70	121.58
1	62	78	SER	CA-C-O	7.00	129.70	121.58
1	66	78	SER	CA-C-O	7.00	129.70	121.58
1	7A	78	SER	CA-C-O	7.00	129.70	121.58
1	1Q	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	1U	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	1Y	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	2Q	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	2U	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	2Y	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	42	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	46	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	5A	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	52	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	56	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	6A	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	1A	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	1I	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	12	14	ASP	CB-CA-C	7.00	123.39	110.10
1	16	14	ASP	CB-CA-C	7.00	123.39	110.10
1	2A	14	ASP	CB-CA-C	7.00	123.39	110.10
1	2E	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	26	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	3E	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	3Q	14	ASP	CB-CA-C	7.00	123.39	110.10
1	3U	14	ASP	CB-CA-C	7.00	123.39	110.10
1	3Y	14	ASP	CB-CA-C	7.00	123.39	110.10
1	4A	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	4M	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	4U	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	5E	14	ASP	CB-CA-C	7.00	123.39	110.10
1	5I	14	ASP	CB-CA-C	7.00	123.39	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	14	ASP	CB-CA-C	7.00	123.39	110.10
1	5Q	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	6I	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	6Q	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	62	14	ASP	CB-CA-C	7.00	123.39	110.10
1	66	14	ASP	CB-CA-C	7.00	123.39	110.10
1	7A	14	ASP	CB-CA-C	7.00	123.39	110.10
1	7M	24	VAL	CG1-CB-CG2	7.00	126.19	110.80
1	1E	25	ASP	CB-CG-OD1	-6.98	102.34	118.40
1	12	66	ARG	NH1-CZ-NH2	6.98	128.38	119.30
1	16	66	ARG	NH1-CZ-NH2	6.98	128.38	119.30
1	2A	66	ARG	NH1-CZ-NH2	6.98	128.38	119.30
1	2M	25	ASP	CB-CG-OD1	-6.98	102.34	118.40
1	22	25	ASP	CB-CG-OD1	-6.98	102.34	118.40
1	3M	25	ASP	CB-CG-OD1	-6.98	102.34	118.40
1	3Q	66	ARG	NH1-CZ-NH2	6.98	128.38	119.30
1	3U	66	ARG	NH1-CZ-NH2	6.98	128.38	119.30
1	3Y	66	ARG	NH1-CZ-NH2	6.98	128.38	119.30
1	36	25	ASP	CB-CG-OD1	-6.98	102.34	118.40
1	4I	25	ASP	CB-CG-OD1	-6.98	102.34	118.40
1	4Q	25	ASP	CB-CG-OD1	-6.98	102.34	118.40
1	5E	66	ARG	NH1-CZ-NH2	6.98	128.38	119.30
1	5I	66	ARG	NH1-CZ-NH2	6.98	128.38	119.30
1	5M	66	ARG	NH1-CZ-NH2	6.98	128.38	119.30
1	5Y	25	ASP	CB-CG-OD1	-6.98	102.34	118.40
1	6E	25	ASP	CB-CG-OD1	-6.98	102.34	118.40
1	6Y	25	ASP	CB-CG-OD1	-6.98	102.34	118.40
1	62	66	ARG	NH1-CZ-NH2	6.98	128.38	119.30
1	66	66	ARG	NH1-CZ-NH2	6.98	128.38	119.30
1	7A	66	ARG	NH1-CZ-NH2	6.98	128.38	119.30
1	7I	25	ASP	CB-CG-OD1	-6.98	102.34	118.40
1	7U	25	ASP	CB-CG-OD1	-6.98	102.34	118.40
2	1F	30	PRO	CA-C-N	6.98	134.87	121.54
2	1F	30	PRO	C-N-CA	6.98	134.87	121.54
1	1Q	14	ASP	CB-CA-C	6.98	123.36	110.10
1	1Q	78	SER	CA-C-O	6.98	129.67	121.58
1	1U	14	ASP	CB-CA-C	6.98	123.36	110.10
1	1U	78	SER	CA-C-O	6.98	129.67	121.58
1	1Y	14	ASP	CB-CA-C	6.98	123.36	110.10
1	1Y	78	SER	CA-C-O	6.98	129.67	121.58
2	2N	30	PRO	CA-C-N	6.98	134.87	121.54
2	2N	30	PRO	C-N-CA	6.98	134.87	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2Q	14	ASP	CB-CA-C	6.98	123.36	110.10
1	2Q	78	SER	CA-C-O	6.98	129.67	121.58
1	2U	14	ASP	CB-CA-C	6.98	123.36	110.10
1	2U	78	SER	CA-C-O	6.98	129.67	121.58
1	2Y	14	ASP	CB-CA-C	6.98	123.36	110.10
1	2Y	78	SER	CA-C-O	6.98	129.67	121.58
2	23	30	PRO	CA-C-N	6.98	134.87	121.54
2	23	30	PRO	C-N-CA	6.98	134.87	121.54
2	3N	30	PRO	CA-C-N	6.98	134.87	121.54
2	3N	30	PRO	C-N-CA	6.98	134.87	121.54
2	37	30	PRO	CA-C-N	6.98	134.87	121.54
2	37	30	PRO	C-N-CA	6.98	134.87	121.54
2	4J	30	PRO	CA-C-N	6.98	134.87	121.54
2	4J	30	PRO	C-N-CA	6.98	134.87	121.54
2	4R	30	PRO	CA-C-N	6.98	134.87	121.54
2	4R	30	PRO	C-N-CA	6.98	134.87	121.54
1	42	14	ASP	CB-CA-C	6.98	123.36	110.10
1	42	78	SER	CA-C-O	6.98	129.67	121.58
1	46	14	ASP	CB-CA-C	6.98	123.36	110.10
1	46	78	SER	CA-C-O	6.98	129.67	121.58
1	5A	14	ASP	CB-CA-C	6.98	123.36	110.10
1	5A	78	SER	CA-C-O	6.98	129.67	121.58
2	5Z	30	PRO	CA-C-N	6.98	134.87	121.54
2	5Z	30	PRO	C-N-CA	6.98	134.87	121.54
1	52	14	ASP	CB-CA-C	6.98	123.36	110.10
1	52	78	SER	CA-C-O	6.98	129.67	121.58
1	56	14	ASP	CB-CA-C	6.98	123.36	110.10
1	56	78	SER	CA-C-O	6.98	129.67	121.58
1	6A	14	ASP	CB-CA-C	6.98	123.36	110.10
1	6A	78	SER	CA-C-O	6.98	129.67	121.58
2	6F	30	PRO	CA-C-N	6.98	134.87	121.54
2	6F	30	PRO	C-N-CA	6.98	134.87	121.54
2	6Z	30	PRO	CA-C-N	6.98	134.87	121.54
2	6Z	30	PRO	C-N-CA	6.98	134.87	121.54
2	7J	30	PRO	CA-C-N	6.98	134.87	121.54
2	7J	30	PRO	C-N-CA	6.98	134.87	121.54
2	7V	30	PRO	CA-C-N	6.98	134.87	121.54
2	7V	30	PRO	C-N-CA	6.98	134.87	121.54
1	1E	14	ASP	CB-CA-C	6.98	123.35	110.10
1	2M	14	ASP	CB-CA-C	6.98	123.35	110.10
1	22	14	ASP	CB-CA-C	6.98	123.35	110.10
1	3M	14	ASP	CB-CA-C	6.98	123.35	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	14	ASP	CB-CA-C	6.98	123.35	110.10
1	4I	14	ASP	CB-CA-C	6.98	123.35	110.10
1	4Q	14	ASP	CB-CA-C	6.98	123.35	110.10
1	5Y	14	ASP	CB-CA-C	6.98	123.35	110.10
1	6E	14	ASP	CB-CA-C	6.98	123.35	110.10
1	6Y	14	ASP	CB-CA-C	6.98	123.35	110.10
1	7I	14	ASP	CB-CA-C	6.98	123.35	110.10
1	7U	14	ASP	CB-CA-C	6.98	123.35	110.10
2	1F	43	SER	N-CA-C	-6.97	98.58	109.25
1	1M	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	2I	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
2	2N	43	SER	N-CA-C	-6.97	98.58	109.25
2	23	43	SER	N-CA-C	-6.97	98.58	109.25
1	3A	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	3I	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
2	3N	43	SER	N-CA-C	-6.97	98.58	109.25
1	32	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
2	37	43	SER	N-CA-C	-6.97	98.58	109.25
1	4E	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
2	4J	43	SER	N-CA-C	-6.97	98.58	109.25
2	4R	43	SER	N-CA-C	-6.97	98.58	109.25
1	4Y	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	5U	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
2	5Z	43	SER	N-CA-C	-6.97	98.58	109.25
2	6F	43	SER	N-CA-C	-6.97	98.58	109.25
1	6M	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	6U	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
2	6Z	43	SER	N-CA-C	-6.97	98.58	109.25
1	7E	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
2	7J	43	SER	N-CA-C	-6.97	98.58	109.25
1	7Q	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
2	7V	43	SER	N-CA-C	-6.97	98.58	109.25
1	1A	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	1I	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	2E	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	26	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	3E	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	4A	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	4M	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	4U	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	5Q	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	6I	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	7M	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	1Q	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	1U	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	1Y	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	2Q	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	2U	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	2Y	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	42	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	46	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	5A	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	52	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	56	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
1	6A	66	ARG	NH1-CZ-NH2	6.97	128.36	119.30
2	1R	30	PRO	CA-C-N	6.96	134.84	121.54
2	1R	30	PRO	C-N-CA	6.96	134.84	121.54
2	1V	30	PRO	CA-C-N	6.96	134.84	121.54
2	1V	30	PRO	C-N-CA	6.96	134.84	121.54
2	1Z	30	PRO	CA-C-N	6.96	134.84	121.54
2	1Z	30	PRO	C-N-CA	6.96	134.84	121.54
2	13	43	SER	N-CA-C	-6.96	98.59	109.25
2	17	43	SER	N-CA-C	-6.96	98.59	109.25
2	2B	43	SER	N-CA-C	-6.96	98.59	109.25
2	2R	30	PRO	CA-C-N	6.96	134.84	121.54
2	2R	30	PRO	C-N-CA	6.96	134.84	121.54
2	2V	30	PRO	CA-C-N	6.96	134.84	121.54
2	2V	30	PRO	C-N-CA	6.96	134.84	121.54
2	2Z	30	PRO	CA-C-N	6.96	134.84	121.54
2	2Z	30	PRO	C-N-CA	6.96	134.84	121.54
2	3R	43	SER	N-CA-C	-6.96	98.59	109.25
2	3V	43	SER	N-CA-C	-6.96	98.59	109.25
2	3Z	43	SER	N-CA-C	-6.96	98.59	109.25
2	43	30	PRO	CA-C-N	6.96	134.84	121.54
2	43	30	PRO	C-N-CA	6.96	134.84	121.54
2	47	30	PRO	CA-C-N	6.96	134.84	121.54
2	47	30	PRO	C-N-CA	6.96	134.84	121.54
2	5B	30	PRO	CA-C-N	6.96	134.84	121.54
2	5B	30	PRO	C-N-CA	6.96	134.84	121.54
2	5F	43	SER	N-CA-C	-6.96	98.59	109.25
2	5J	43	SER	N-CA-C	-6.96	98.59	109.25
2	5N	43	SER	N-CA-C	-6.96	98.59	109.25
2	53	30	PRO	CA-C-N	6.96	134.84	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	53	30	PRO	C-N-CA	6.96	134.84	121.54
2	57	30	PRO	CA-C-N	6.96	134.84	121.54
2	57	30	PRO	C-N-CA	6.96	134.84	121.54
2	6B	30	PRO	CA-C-N	6.96	134.84	121.54
2	6B	30	PRO	C-N-CA	6.96	134.84	121.54
2	63	43	SER	N-CA-C	-6.96	98.59	109.25
2	67	43	SER	N-CA-C	-6.96	98.59	109.25
2	7B	43	SER	N-CA-C	-6.96	98.59	109.25
2	1N	43	SER	N-CA-C	-6.96	98.60	109.25
2	2J	43	SER	N-CA-C	-6.96	98.60	109.25
2	3B	43	SER	N-CA-C	-6.96	98.60	109.25
2	3J	43	SER	N-CA-C	-6.96	98.60	109.25
2	33	43	SER	N-CA-C	-6.96	98.60	109.25
2	4F	43	SER	N-CA-C	-6.96	98.60	109.25
2	4Z	43	SER	N-CA-C	-6.96	98.60	109.25
2	5V	43	SER	N-CA-C	-6.96	98.60	109.25
2	6N	43	SER	N-CA-C	-6.96	98.60	109.25
2	6V	43	SER	N-CA-C	-6.96	98.60	109.25
2	7F	43	SER	N-CA-C	-6.96	98.60	109.25
2	7R	43	SER	N-CA-C	-6.96	98.60	109.25
1	1A	78	SER	CA-C-O	6.96	129.65	121.58
1	1I	78	SER	CA-C-O	6.96	129.65	121.58
1	2E	78	SER	CA-C-O	6.96	129.65	121.58
1	26	78	SER	CA-C-O	6.96	129.65	121.58
1	3E	78	SER	CA-C-O	6.96	129.65	121.58
1	4A	78	SER	CA-C-O	6.96	129.65	121.58
1	4M	78	SER	CA-C-O	6.96	129.65	121.58
1	4U	78	SER	CA-C-O	6.96	129.65	121.58
1	5Q	78	SER	CA-C-O	6.96	129.65	121.58
1	6I	78	SER	CA-C-O	6.96	129.65	121.58
1	6Q	78	SER	CA-C-O	6.96	129.65	121.58
1	7M	78	SER	CA-C-O	6.96	129.65	121.58
1	1A	25	ASP	CB-CG-OD1	-6.96	102.40	118.40
1	1E	66	ARG	NH1-CZ-NH2	6.96	128.34	119.30
1	1I	25	ASP	CB-CG-OD1	-6.96	102.40	118.40
1	2E	25	ASP	CB-CG-OD1	-6.96	102.40	118.40
1	2M	66	ARG	NH1-CZ-NH2	6.96	128.34	119.30
1	22	66	ARG	NH1-CZ-NH2	6.96	128.34	119.30
1	26	25	ASP	CB-CG-OD1	-6.96	102.40	118.40
1	3E	25	ASP	CB-CG-OD1	-6.96	102.40	118.40
1	3M	66	ARG	NH1-CZ-NH2	6.96	128.34	119.30
1	36	66	ARG	NH1-CZ-NH2	6.96	128.34	119.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	25	ASP	CB-CG-OD1	-6.96	102.40	118.40
1	4I	66	ARG	NH1-CZ-NH2	6.96	128.34	119.30
1	4M	25	ASP	CB-CG-OD1	-6.96	102.40	118.40
1	4Q	66	ARG	NH1-CZ-NH2	6.96	128.34	119.30
1	4U	25	ASP	CB-CG-OD1	-6.96	102.40	118.40
1	5Q	25	ASP	CB-CG-OD1	-6.96	102.40	118.40
1	5Y	66	ARG	NH1-CZ-NH2	6.96	128.34	119.30
1	6E	66	ARG	NH1-CZ-NH2	6.96	128.34	119.30
1	6I	25	ASP	CB-CG-OD1	-6.96	102.40	118.40
1	6Q	25	ASP	CB-CG-OD1	-6.96	102.40	118.40
1	6Y	66	ARG	NH1-CZ-NH2	6.96	128.34	119.30
1	7I	66	ARG	NH1-CZ-NH2	6.96	128.34	119.30
1	7M	25	ASP	CB-CG-OD1	-6.96	102.40	118.40
1	7U	66	ARG	NH1-CZ-NH2	6.96	128.34	119.30
2	1B	30	PRO	CA-C-N	6.95	134.82	121.54
2	1B	30	PRO	C-N-CA	6.95	134.82	121.54
2	1B	43	SER	N-CA-C	-6.95	98.61	109.25
2	1J	30	PRO	CA-C-N	6.95	134.82	121.54
2	1J	30	PRO	C-N-CA	6.95	134.82	121.54
2	1J	43	SER	N-CA-C	-6.95	98.61	109.25
2	1N	30	PRO	CA-C-N	6.95	134.82	121.54
2	1N	30	PRO	C-N-CA	6.95	134.82	121.54
2	13	56	SER	CA-C-N	6.95	132.47	120.58
2	13	56	SER	C-N-CA	6.95	132.47	120.58
2	17	56	SER	CA-C-N	6.95	132.47	120.58
2	17	56	SER	C-N-CA	6.95	132.47	120.58
2	2B	56	SER	CA-C-N	6.95	132.47	120.58
2	2B	56	SER	C-N-CA	6.95	132.47	120.58
2	2F	30	PRO	CA-C-N	6.95	134.82	121.54
2	2F	30	PRO	C-N-CA	6.95	134.82	121.54
2	2F	43	SER	N-CA-C	-6.95	98.61	109.25
2	2J	30	PRO	CA-C-N	6.95	134.82	121.54
2	2J	30	PRO	C-N-CA	6.95	134.82	121.54
2	27	30	PRO	CA-C-N	6.95	134.82	121.54
2	27	30	PRO	C-N-CA	6.95	134.82	121.54
2	27	43	SER	N-CA-C	-6.95	98.61	109.25
2	3B	30	PRO	CA-C-N	6.95	134.82	121.54
2	3B	30	PRO	C-N-CA	6.95	134.82	121.54
2	3F	30	PRO	CA-C-N	6.95	134.82	121.54
2	3F	30	PRO	C-N-CA	6.95	134.82	121.54
2	3F	43	SER	N-CA-C	-6.95	98.61	109.25
2	3J	30	PRO	CA-C-N	6.95	134.82	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3J	30	PRO	C-N-CA	6.95	134.82	121.54
2	3R	56	SER	CA-C-N	6.95	132.47	120.58
2	3R	56	SER	C-N-CA	6.95	132.47	120.58
2	3V	56	SER	CA-C-N	6.95	132.47	120.58
2	3V	56	SER	C-N-CA	6.95	132.47	120.58
2	3Z	56	SER	CA-C-N	6.95	132.47	120.58
2	3Z	56	SER	C-N-CA	6.95	132.47	120.58
2	33	30	PRO	CA-C-N	6.95	134.82	121.54
2	33	30	PRO	C-N-CA	6.95	134.82	121.54
2	4B	30	PRO	CA-C-N	6.95	134.82	121.54
2	4B	30	PRO	C-N-CA	6.95	134.82	121.54
2	4B	43	SER	N-CA-C	-6.95	98.61	109.25
2	4F	30	PRO	CA-C-N	6.95	134.82	121.54
2	4F	30	PRO	C-N-CA	6.95	134.82	121.54
2	4N	30	PRO	CA-C-N	6.95	134.82	121.54
2	4N	30	PRO	C-N-CA	6.95	134.82	121.54
2	4N	43	SER	N-CA-C	-6.95	98.61	109.25
2	4V	30	PRO	CA-C-N	6.95	134.82	121.54
2	4V	30	PRO	C-N-CA	6.95	134.82	121.54
2	4V	43	SER	N-CA-C	-6.95	98.61	109.25
2	4Z	30	PRO	CA-C-N	6.95	134.82	121.54
2	4Z	30	PRO	C-N-CA	6.95	134.82	121.54
2	5F	56	SER	CA-C-N	6.95	132.47	120.58
2	5F	56	SER	C-N-CA	6.95	132.47	120.58
2	5J	56	SER	CA-C-N	6.95	132.47	120.58
2	5J	56	SER	C-N-CA	6.95	132.47	120.58
2	5N	56	SER	CA-C-N	6.95	132.47	120.58
2	5N	56	SER	C-N-CA	6.95	132.47	120.58
2	5R	30	PRO	CA-C-N	6.95	134.82	121.54
2	5R	30	PRO	C-N-CA	6.95	134.82	121.54
2	5R	43	SER	N-CA-C	-6.95	98.61	109.25
2	5V	30	PRO	CA-C-N	6.95	134.82	121.54
2	5V	30	PRO	C-N-CA	6.95	134.82	121.54
2	6J	30	PRO	CA-C-N	6.95	134.82	121.54
2	6J	30	PRO	C-N-CA	6.95	134.82	121.54
2	6J	43	SER	N-CA-C	-6.95	98.61	109.25
2	6N	30	PRO	CA-C-N	6.95	134.82	121.54
2	6N	30	PRO	C-N-CA	6.95	134.82	121.54
2	6R	30	PRO	CA-C-N	6.95	134.82	121.54
2	6R	30	PRO	C-N-CA	6.95	134.82	121.54
2	6R	43	SER	N-CA-C	-6.95	98.61	109.25
2	6V	30	PRO	CA-C-N	6.95	134.82	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6V	30	PRO	C-N-CA	6.95	134.82	121.54
2	63	56	SER	CA-C-N	6.95	132.47	120.58
2	63	56	SER	C-N-CA	6.95	132.47	120.58
2	67	56	SER	CA-C-N	6.95	132.47	120.58
2	67	56	SER	C-N-CA	6.95	132.47	120.58
2	7B	56	SER	CA-C-N	6.95	132.47	120.58
2	7B	56	SER	C-N-CA	6.95	132.47	120.58
2	7F	30	PRO	CA-C-N	6.95	134.82	121.54
2	7F	30	PRO	C-N-CA	6.95	134.82	121.54
2	7N	30	PRO	CA-C-N	6.95	134.82	121.54
2	7N	30	PRO	C-N-CA	6.95	134.82	121.54
2	7N	43	SER	N-CA-C	-6.95	98.61	109.25
2	7R	30	PRO	CA-C-N	6.95	134.82	121.54
2	7R	30	PRO	C-N-CA	6.95	134.82	121.54
1	1Q	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	1U	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	1Y	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	2Q	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	2U	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	2Y	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	42	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	46	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	5A	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	52	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	56	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	6A	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	12	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	16	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	2A	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	3Q	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	3U	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	3Y	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	5E	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	5I	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	5M	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	62	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	66	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	7A	25	ASP	CB-CG-OD1	-6.95	102.42	118.40
1	1M	25	ASP	CB-CG-OD1	-6.94	102.43	118.40
1	2I	25	ASP	CB-CG-OD1	-6.94	102.43	118.40
1	3A	25	ASP	CB-CG-OD1	-6.94	102.43	118.40
1	3I	25	ASP	CB-CG-OD1	-6.94	102.43	118.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	25	ASP	CB-CG-OD1	-6.94	102.43	118.40
1	4E	25	ASP	CB-CG-OD1	-6.94	102.43	118.40
1	4Y	25	ASP	CB-CG-OD1	-6.94	102.43	118.40
1	5U	25	ASP	CB-CG-OD1	-6.94	102.43	118.40
1	6M	25	ASP	CB-CG-OD1	-6.94	102.43	118.40
1	6U	25	ASP	CB-CG-OD1	-6.94	102.43	118.40
1	7E	25	ASP	CB-CG-OD1	-6.94	102.43	118.40
1	7Q	25	ASP	CB-CG-OD1	-6.94	102.43	118.40
2	1B	56	SER	CA-C-N	6.94	132.45	120.58
2	1B	56	SER	C-N-CA	6.94	132.45	120.58
1	1E	94	THR	N-CA-C	-6.94	96.02	110.80
2	1J	56	SER	CA-C-N	6.94	132.45	120.58
2	1J	56	SER	C-N-CA	6.94	132.45	120.58
2	2F	56	SER	CA-C-N	6.94	132.45	120.58
2	2F	56	SER	C-N-CA	6.94	132.45	120.58
1	2M	94	THR	N-CA-C	-6.94	96.02	110.80
1	22	94	THR	N-CA-C	-6.94	96.02	110.80
2	27	56	SER	CA-C-N	6.94	132.45	120.58
2	27	56	SER	C-N-CA	6.94	132.45	120.58
2	3F	56	SER	CA-C-N	6.94	132.45	120.58
2	3F	56	SER	C-N-CA	6.94	132.45	120.58
1	3M	94	THR	N-CA-C	-6.94	96.02	110.80
1	36	94	THR	N-CA-C	-6.94	96.02	110.80
2	4B	56	SER	CA-C-N	6.94	132.45	120.58
2	4B	56	SER	C-N-CA	6.94	132.45	120.58
1	4I	94	THR	N-CA-C	-6.94	96.02	110.80
2	4N	56	SER	CA-C-N	6.94	132.45	120.58
2	4N	56	SER	C-N-CA	6.94	132.45	120.58
1	4Q	94	THR	N-CA-C	-6.94	96.02	110.80
2	4V	56	SER	CA-C-N	6.94	132.45	120.58
2	4V	56	SER	C-N-CA	6.94	132.45	120.58
2	5R	56	SER	CA-C-N	6.94	132.45	120.58
2	5R	56	SER	C-N-CA	6.94	132.45	120.58
1	5Y	94	THR	N-CA-C	-6.94	96.02	110.80
1	6E	94	THR	N-CA-C	-6.94	96.02	110.80
2	6J	56	SER	CA-C-N	6.94	132.45	120.58
2	6J	56	SER	C-N-CA	6.94	132.45	120.58
2	6R	56	SER	CA-C-N	6.94	132.45	120.58
2	6R	56	SER	C-N-CA	6.94	132.45	120.58
1	6Y	94	THR	N-CA-C	-6.94	96.02	110.80
1	7I	94	THR	N-CA-C	-6.94	96.02	110.80
2	7N	56	SER	CA-C-N	6.94	132.45	120.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	56	SER	C-N-CA	6.94	132.45	120.58
1	7U	94	THR	N-CA-C	-6.94	96.02	110.80
2	1N	56	SER	CA-C-N	6.94	132.44	120.58
2	1N	56	SER	C-N-CA	6.94	132.44	120.58
2	13	30	PRO	CA-C-N	6.94	134.79	121.54
2	13	30	PRO	C-N-CA	6.94	134.79	121.54
2	17	30	PRO	CA-C-N	6.94	134.79	121.54
2	17	30	PRO	C-N-CA	6.94	134.79	121.54
2	2B	30	PRO	CA-C-N	6.94	134.79	121.54
2	2B	30	PRO	C-N-CA	6.94	134.79	121.54
2	2J	56	SER	CA-C-N	6.94	132.44	120.58
2	2J	56	SER	C-N-CA	6.94	132.44	120.58
2	3B	56	SER	CA-C-N	6.94	132.44	120.58
2	3B	56	SER	C-N-CA	6.94	132.44	120.58
2	3J	56	SER	CA-C-N	6.94	132.44	120.58
2	3J	56	SER	C-N-CA	6.94	132.44	120.58
2	3R	30	PRO	CA-C-N	6.94	134.79	121.54
2	3R	30	PRO	C-N-CA	6.94	134.79	121.54
2	3V	30	PRO	CA-C-N	6.94	134.79	121.54
2	3V	30	PRO	C-N-CA	6.94	134.79	121.54
2	3Z	30	PRO	CA-C-N	6.94	134.79	121.54
2	3Z	30	PRO	C-N-CA	6.94	134.79	121.54
2	33	56	SER	CA-C-N	6.94	132.44	120.58
2	33	56	SER	C-N-CA	6.94	132.44	120.58
2	4F	56	SER	CA-C-N	6.94	132.44	120.58
2	4F	56	SER	C-N-CA	6.94	132.44	120.58
2	4Z	56	SER	CA-C-N	6.94	132.44	120.58
2	4Z	56	SER	C-N-CA	6.94	132.44	120.58
2	5F	30	PRO	CA-C-N	6.94	134.79	121.54
2	5F	30	PRO	C-N-CA	6.94	134.79	121.54
2	5J	30	PRO	CA-C-N	6.94	134.79	121.54
2	5J	30	PRO	C-N-CA	6.94	134.79	121.54
2	5N	30	PRO	CA-C-N	6.94	134.79	121.54
2	5N	30	PRO	C-N-CA	6.94	134.79	121.54
2	5V	56	SER	CA-C-N	6.94	132.44	120.58
2	5V	56	SER	C-N-CA	6.94	132.44	120.58
2	6N	56	SER	CA-C-N	6.94	132.44	120.58
2	6N	56	SER	C-N-CA	6.94	132.44	120.58
2	6V	56	SER	CA-C-N	6.94	132.44	120.58
2	6V	56	SER	C-N-CA	6.94	132.44	120.58
2	63	30	PRO	CA-C-N	6.94	134.79	121.54
2	63	30	PRO	C-N-CA	6.94	134.79	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	30	PRO	CA-C-N	6.94	134.79	121.54
2	67	30	PRO	C-N-CA	6.94	134.79	121.54
2	7B	30	PRO	CA-C-N	6.94	134.79	121.54
2	7B	30	PRO	C-N-CA	6.94	134.79	121.54
2	7F	56	SER	CA-C-N	6.94	132.44	120.58
2	7F	56	SER	C-N-CA	6.94	132.44	120.58
2	7R	56	SER	CA-C-N	6.94	132.44	120.58
2	7R	56	SER	C-N-CA	6.94	132.44	120.58
2	1N	201	VAL	CB-CA-C	-6.94	102.93	111.32
2	1R	28	THR	CA-CB-CG2	6.94	122.29	110.50
2	1V	28	THR	CA-CB-CG2	6.94	122.29	110.50
2	1Z	28	THR	CA-CB-CG2	6.94	122.29	110.50
2	2J	201	VAL	CB-CA-C	-6.94	102.93	111.32
2	2R	28	THR	CA-CB-CG2	6.94	122.29	110.50
2	2V	28	THR	CA-CB-CG2	6.94	122.29	110.50
2	2Z	28	THR	CA-CB-CG2	6.94	122.29	110.50
2	3B	201	VAL	CB-CA-C	-6.94	102.93	111.32
2	3J	201	VAL	CB-CA-C	-6.94	102.93	111.32
2	33	201	VAL	CB-CA-C	-6.94	102.93	111.32
2	4F	201	VAL	CB-CA-C	-6.94	102.93	111.32
2	4Z	201	VAL	CB-CA-C	-6.94	102.93	111.32
2	43	28	THR	CA-CB-CG2	6.94	122.29	110.50
2	47	28	THR	CA-CB-CG2	6.94	122.29	110.50
2	5B	28	THR	CA-CB-CG2	6.94	122.29	110.50
2	5V	201	VAL	CB-CA-C	-6.94	102.93	111.32
2	53	28	THR	CA-CB-CG2	6.94	122.29	110.50
2	57	28	THR	CA-CB-CG2	6.94	122.29	110.50
2	6B	28	THR	CA-CB-CG2	6.94	122.29	110.50
2	6N	201	VAL	CB-CA-C	-6.94	102.93	111.32
2	6V	201	VAL	CB-CA-C	-6.94	102.93	111.32
2	7F	201	VAL	CB-CA-C	-6.94	102.93	111.32
2	7R	201	VAL	CB-CA-C	-6.94	102.93	111.32
1	1M	94	THR	N-CA-C	-6.93	96.03	110.80
2	1R	43	SER	N-CA-C	-6.93	98.64	109.25
2	1R	131	PRO	N-CA-CB	6.93	106.80	102.92
2	1V	43	SER	N-CA-C	-6.93	98.64	109.25
2	1V	131	PRO	N-CA-CB	6.93	106.80	102.92
2	1Z	43	SER	N-CA-C	-6.93	98.64	109.25
2	1Z	131	PRO	N-CA-CB	6.93	106.80	102.92
1	12	94	THR	N-CA-C	-6.93	96.03	110.80
1	16	94	THR	N-CA-C	-6.93	96.03	110.80
1	2A	94	THR	N-CA-C	-6.93	96.03	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	94	THR	N-CA-C	-6.93	96.03	110.80
2	2R	43	SER	N-CA-C	-6.93	98.64	109.25
2	2R	131	PRO	N-CA-CB	6.93	106.80	102.92
2	2V	43	SER	N-CA-C	-6.93	98.64	109.25
2	2V	131	PRO	N-CA-CB	6.93	106.80	102.92
2	2Z	43	SER	N-CA-C	-6.93	98.64	109.25
2	2Z	131	PRO	N-CA-CB	6.93	106.80	102.92
1	3A	94	THR	N-CA-C	-6.93	96.03	110.80
1	3I	94	THR	N-CA-C	-6.93	96.03	110.80
1	3Q	94	THR	N-CA-C	-6.93	96.03	110.80
1	3U	94	THR	N-CA-C	-6.93	96.03	110.80
1	3Y	94	THR	N-CA-C	-6.93	96.03	110.80
1	32	94	THR	N-CA-C	-6.93	96.03	110.80
1	4E	94	THR	N-CA-C	-6.93	96.03	110.80
1	4Y	94	THR	N-CA-C	-6.93	96.03	110.80
2	43	43	SER	N-CA-C	-6.93	98.64	109.25
2	43	131	PRO	N-CA-CB	6.93	106.80	102.92
2	47	43	SER	N-CA-C	-6.93	98.64	109.25
2	47	131	PRO	N-CA-CB	6.93	106.80	102.92
2	5B	43	SER	N-CA-C	-6.93	98.64	109.25
2	5B	131	PRO	N-CA-CB	6.93	106.80	102.92
1	5E	94	THR	N-CA-C	-6.93	96.03	110.80
1	5I	94	THR	N-CA-C	-6.93	96.03	110.80
1	5M	94	THR	N-CA-C	-6.93	96.03	110.80
1	5U	94	THR	N-CA-C	-6.93	96.03	110.80
2	53	43	SER	N-CA-C	-6.93	98.64	109.25
2	53	131	PRO	N-CA-CB	6.93	106.80	102.92
2	57	43	SER	N-CA-C	-6.93	98.64	109.25
2	57	131	PRO	N-CA-CB	6.93	106.80	102.92
2	6B	43	SER	N-CA-C	-6.93	98.64	109.25
2	6B	131	PRO	N-CA-CB	6.93	106.80	102.92
1	6M	94	THR	N-CA-C	-6.93	96.03	110.80
1	6U	94	THR	N-CA-C	-6.93	96.03	110.80
1	62	94	THR	N-CA-C	-6.93	96.03	110.80
1	66	94	THR	N-CA-C	-6.93	96.03	110.80
1	7A	94	THR	N-CA-C	-6.93	96.03	110.80
1	7E	94	THR	N-CA-C	-6.93	96.03	110.80
1	7Q	94	THR	N-CA-C	-6.93	96.03	110.80
2	1R	31	PHE	CB-CA-C	-6.93	96.62	110.42
2	1V	31	PHE	CB-CA-C	-6.93	96.62	110.42
2	1Z	31	PHE	CB-CA-C	-6.93	96.62	110.42
2	2R	31	PHE	CB-CA-C	-6.93	96.62	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	31	PHE	CB-CA-C	-6.93	96.62	110.42
2	2Z	31	PHE	CB-CA-C	-6.93	96.62	110.42
2	43	31	PHE	CB-CA-C	-6.93	96.62	110.42
2	47	31	PHE	CB-CA-C	-6.93	96.62	110.42
2	5B	31	PHE	CB-CA-C	-6.93	96.62	110.42
2	53	31	PHE	CB-CA-C	-6.93	96.62	110.42
2	57	31	PHE	CB-CA-C	-6.93	96.62	110.42
2	6B	31	PHE	CB-CA-C	-6.93	96.62	110.42
2	1R	201	VAL	CB-CA-C	-6.93	102.94	111.32
2	1V	201	VAL	CB-CA-C	-6.93	102.94	111.32
2	1Z	201	VAL	CB-CA-C	-6.93	102.94	111.32
2	2R	201	VAL	CB-CA-C	-6.93	102.94	111.32
2	2V	201	VAL	CB-CA-C	-6.93	102.94	111.32
2	2Z	201	VAL	CB-CA-C	-6.93	102.94	111.32
2	43	201	VAL	CB-CA-C	-6.93	102.94	111.32
2	47	201	VAL	CB-CA-C	-6.93	102.94	111.32
2	5B	201	VAL	CB-CA-C	-6.93	102.94	111.32
2	53	201	VAL	CB-CA-C	-6.93	102.94	111.32
2	57	201	VAL	CB-CA-C	-6.93	102.94	111.32
2	6B	201	VAL	CB-CA-C	-6.93	102.94	111.32
1	1Q	94	THR	N-CA-C	-6.93	96.04	110.80
1	1U	94	THR	N-CA-C	-6.93	96.04	110.80
1	1Y	94	THR	N-CA-C	-6.93	96.04	110.80
1	2Q	94	THR	N-CA-C	-6.93	96.04	110.80
1	2U	94	THR	N-CA-C	-6.93	96.04	110.80
1	2Y	94	THR	N-CA-C	-6.93	96.04	110.80
1	42	94	THR	N-CA-C	-6.93	96.04	110.80
1	46	94	THR	N-CA-C	-6.93	96.04	110.80
1	5A	94	THR	N-CA-C	-6.93	96.04	110.80
1	52	94	THR	N-CA-C	-6.93	96.04	110.80
1	56	94	THR	N-CA-C	-6.93	96.04	110.80
1	6A	94	THR	N-CA-C	-6.93	96.04	110.80
1	1A	94	THR	N-CA-C	-6.92	96.05	110.80
2	1B	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	1B	201	VAL	CB-CA-C	-6.92	102.94	111.32
1	1E	78	SER	CA-C-O	6.92	129.61	121.58
2	1F	56	SER	CA-C-N	6.92	132.42	120.58
2	1F	56	SER	C-N-CA	6.92	132.42	120.58
1	1I	94	THR	N-CA-C	-6.92	96.05	110.80
2	1J	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	1J	201	VAL	CB-CA-C	-6.92	102.94	111.32
2	1N	28	THR	CA-CB-CG2	6.92	122.27	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2E	94	THR	N-CA-C	-6.92	96.05	110.80
2	2F	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	2F	201	VAL	CB-CA-C	-6.92	102.94	111.32
2	2J	28	THR	CA-CB-CG2	6.92	122.27	110.50
1	2M	78	SER	CA-C-O	6.92	129.61	121.58
2	2N	56	SER	CA-C-N	6.92	132.42	120.58
2	2N	56	SER	C-N-CA	6.92	132.42	120.58
1	22	78	SER	CA-C-O	6.92	129.61	121.58
2	23	56	SER	CA-C-N	6.92	132.42	120.58
2	23	56	SER	C-N-CA	6.92	132.42	120.58
1	26	94	THR	N-CA-C	-6.92	96.05	110.80
2	27	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	27	201	VAL	CB-CA-C	-6.92	102.94	111.32
2	3B	28	THR	CA-CB-CG2	6.92	122.27	110.50
1	3E	94	THR	N-CA-C	-6.92	96.05	110.80
2	3F	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	3F	201	VAL	CB-CA-C	-6.92	102.94	111.32
2	3J	28	THR	CA-CB-CG2	6.92	122.27	110.50
1	3M	78	SER	CA-C-O	6.92	129.61	121.58
2	3N	56	SER	CA-C-N	6.92	132.42	120.58
2	3N	56	SER	C-N-CA	6.92	132.42	120.58
2	33	28	THR	CA-CB-CG2	6.92	122.27	110.50
1	36	78	SER	CA-C-O	6.92	129.61	121.58
2	37	56	SER	CA-C-N	6.92	132.42	120.58
2	37	56	SER	C-N-CA	6.92	132.42	120.58
1	4A	94	THR	N-CA-C	-6.92	96.05	110.80
2	4B	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	4B	201	VAL	CB-CA-C	-6.92	102.94	111.32
2	4F	28	THR	CA-CB-CG2	6.92	122.27	110.50
1	4I	78	SER	CA-C-O	6.92	129.61	121.58
2	4J	56	SER	CA-C-N	6.92	132.42	120.58
2	4J	56	SER	C-N-CA	6.92	132.42	120.58
1	4M	94	THR	N-CA-C	-6.92	96.05	110.80
2	4N	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	4N	201	VAL	CB-CA-C	-6.92	102.94	111.32
1	4Q	78	SER	CA-C-O	6.92	129.61	121.58
2	4R	56	SER	CA-C-N	6.92	132.42	120.58
2	4R	56	SER	C-N-CA	6.92	132.42	120.58
1	4U	94	THR	N-CA-C	-6.92	96.05	110.80
2	4V	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	4V	201	VAL	CB-CA-C	-6.92	102.94	111.32
2	4Z	28	THR	CA-CB-CG2	6.92	122.27	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Q	94	THR	N-CA-C	-6.92	96.05	110.80
2	5R	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	5R	201	VAL	CB-CA-C	-6.92	102.94	111.32
2	5V	28	THR	CA-CB-CG2	6.92	122.27	110.50
1	5Y	78	SER	CA-C-O	6.92	129.61	121.58
2	5Z	56	SER	CA-C-N	6.92	132.42	120.58
2	5Z	56	SER	C-N-CA	6.92	132.42	120.58
1	6E	78	SER	CA-C-O	6.92	129.61	121.58
2	6F	56	SER	CA-C-N	6.92	132.42	120.58
2	6F	56	SER	C-N-CA	6.92	132.42	120.58
1	6I	94	THR	N-CA-C	-6.92	96.05	110.80
2	6J	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	6J	201	VAL	CB-CA-C	-6.92	102.94	111.32
2	6N	28	THR	CA-CB-CG2	6.92	122.27	110.50
1	6Q	94	THR	N-CA-C	-6.92	96.05	110.80
2	6R	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	6R	201	VAL	CB-CA-C	-6.92	102.94	111.32
2	6V	28	THR	CA-CB-CG2	6.92	122.27	110.50
1	6Y	78	SER	CA-C-O	6.92	129.61	121.58
2	6Z	56	SER	CA-C-N	6.92	132.42	120.58
2	6Z	56	SER	C-N-CA	6.92	132.42	120.58
2	7F	28	THR	CA-CB-CG2	6.92	122.27	110.50
1	7I	78	SER	CA-C-O	6.92	129.61	121.58
2	7J	56	SER	CA-C-N	6.92	132.42	120.58
2	7J	56	SER	C-N-CA	6.92	132.42	120.58
1	7M	94	THR	N-CA-C	-6.92	96.05	110.80
2	7N	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	7N	201	VAL	CB-CA-C	-6.92	102.94	111.32
2	7R	28	THR	CA-CB-CG2	6.92	122.27	110.50
1	7U	78	SER	CA-C-O	6.92	129.61	121.58
2	7V	56	SER	CA-C-N	6.92	132.42	120.58
2	7V	56	SER	C-N-CA	6.92	132.42	120.58
2	13	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	17	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	2B	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	3R	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	3V	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	3Z	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	5F	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	5J	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	5N	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	63	28	THR	CA-CB-CG2	6.92	122.27	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	28	THR	CA-CB-CG2	6.92	122.27	110.50
2	7B	28	THR	CA-CB-CG2	6.92	122.27	110.50
1	1A	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
2	1F	201	VAL	CB-CA-C	-6.92	102.94	111.32
1	1I	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
1	1Q	153	SER	CB-CA-C	6.92	123.25	110.10
1	1U	153	SER	CB-CA-C	6.92	123.25	110.10
1	1Y	153	SER	CB-CA-C	6.92	123.25	110.10
1	2E	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
2	2N	201	VAL	CB-CA-C	-6.92	102.94	111.32
1	2Q	153	SER	CB-CA-C	6.92	123.25	110.10
1	2U	153	SER	CB-CA-C	6.92	123.25	110.10
1	2Y	153	SER	CB-CA-C	6.92	123.25	110.10
2	23	201	VAL	CB-CA-C	-6.92	102.94	111.32
1	26	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
1	3E	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
2	3N	201	VAL	CB-CA-C	-6.92	102.94	111.32
2	37	201	VAL	CB-CA-C	-6.92	102.94	111.32
1	4A	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
2	4J	201	VAL	CB-CA-C	-6.92	102.94	111.32
1	4M	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
2	4R	201	VAL	CB-CA-C	-6.92	102.94	111.32
1	4U	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
1	42	153	SER	CB-CA-C	6.92	123.25	110.10
1	46	153	SER	CB-CA-C	6.92	123.25	110.10
1	5A	153	SER	CB-CA-C	6.92	123.25	110.10
1	5Q	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
2	5Z	201	VAL	CB-CA-C	-6.92	102.94	111.32
1	52	153	SER	CB-CA-C	6.92	123.25	110.10
1	56	153	SER	CB-CA-C	6.92	123.25	110.10
1	6A	153	SER	CB-CA-C	6.92	123.25	110.10
2	6F	201	VAL	CB-CA-C	-6.92	102.94	111.32
1	6I	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
1	6Q	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
2	6Z	201	VAL	CB-CA-C	-6.92	102.94	111.32
2	7J	201	VAL	CB-CA-C	-6.92	102.94	111.32
1	7M	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
2	7V	201	VAL	CB-CA-C	-6.92	102.94	111.32
1	1E	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
2	13	31	PHE	CB-CA-C	-6.92	96.65	110.42
2	17	31	PHE	CB-CA-C	-6.92	96.65	110.42
2	2B	31	PHE	CB-CA-C	-6.92	96.65	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
1	22	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
1	3M	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
2	3R	31	PHE	CB-CA-C	-6.92	96.65	110.42
2	3V	31	PHE	CB-CA-C	-6.92	96.65	110.42
2	3Z	31	PHE	CB-CA-C	-6.92	96.65	110.42
1	36	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
1	4I	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
1	4Q	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
2	5F	31	PHE	CB-CA-C	-6.92	96.65	110.42
2	5J	31	PHE	CB-CA-C	-6.92	96.65	110.42
2	5N	31	PHE	CB-CA-C	-6.92	96.65	110.42
1	5Y	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
1	6E	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
1	6Y	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
2	63	31	PHE	CB-CA-C	-6.92	96.65	110.42
2	67	31	PHE	CB-CA-C	-6.92	96.65	110.42
2	7B	31	PHE	CB-CA-C	-6.92	96.65	110.42
1	7I	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
1	7U	80	PHE	CD1-CE1-CZ	-6.92	107.54	120.00
1	1A	153	SER	CB-CA-C	6.92	123.24	110.10
1	1I	153	SER	CB-CA-C	6.92	123.24	110.10
1	1M	153	SER	CB-CA-C	6.92	123.25	110.10
2	1R	56	SER	CA-C-N	6.92	132.41	120.58
2	1R	56	SER	C-N-CA	6.92	132.41	120.58
2	1V	56	SER	CA-C-N	6.92	132.41	120.58
2	1V	56	SER	C-N-CA	6.92	132.41	120.58
2	1Z	56	SER	CA-C-N	6.92	132.41	120.58
2	1Z	56	SER	C-N-CA	6.92	132.41	120.58
2	13	131	PRO	N-CA-CB	6.92	106.79	102.92
2	17	131	PRO	N-CA-CB	6.92	106.79	102.92
2	2B	131	PRO	N-CA-CB	6.92	106.79	102.92
1	2E	153	SER	CB-CA-C	6.92	123.24	110.10
1	2I	153	SER	CB-CA-C	6.92	123.25	110.10
2	2R	56	SER	CA-C-N	6.92	132.41	120.58
2	2R	56	SER	C-N-CA	6.92	132.41	120.58
2	2V	56	SER	CA-C-N	6.92	132.41	120.58
2	2V	56	SER	C-N-CA	6.92	132.41	120.58
2	2Z	56	SER	CA-C-N	6.92	132.41	120.58
2	2Z	56	SER	C-N-CA	6.92	132.41	120.58
1	26	153	SER	CB-CA-C	6.92	123.24	110.10
1	3A	153	SER	CB-CA-C	6.92	123.25	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	153	SER	CB-CA-C	6.92	123.24	110.10
1	3I	153	SER	CB-CA-C	6.92	123.25	110.10
2	3R	131	PRO	N-CA-CB	6.92	106.79	102.92
2	3V	131	PRO	N-CA-CB	6.92	106.79	102.92
2	3Z	131	PRO	N-CA-CB	6.92	106.79	102.92
1	32	153	SER	CB-CA-C	6.92	123.25	110.10
1	4A	153	SER	CB-CA-C	6.92	123.24	110.10
1	4E	153	SER	CB-CA-C	6.92	123.25	110.10
1	4M	153	SER	CB-CA-C	6.92	123.24	110.10
1	4U	153	SER	CB-CA-C	6.92	123.24	110.10
1	4Y	153	SER	CB-CA-C	6.92	123.25	110.10
2	43	56	SER	CA-C-N	6.92	132.41	120.58
2	43	56	SER	C-N-CA	6.92	132.41	120.58
2	47	56	SER	CA-C-N	6.92	132.41	120.58
2	47	56	SER	C-N-CA	6.92	132.41	120.58
2	5B	56	SER	CA-C-N	6.92	132.41	120.58
2	5B	56	SER	C-N-CA	6.92	132.41	120.58
2	5F	131	PRO	N-CA-CB	6.92	106.79	102.92
2	5J	131	PRO	N-CA-CB	6.92	106.79	102.92
2	5N	131	PRO	N-CA-CB	6.92	106.79	102.92
1	5Q	153	SER	CB-CA-C	6.92	123.24	110.10
1	5U	153	SER	CB-CA-C	6.92	123.25	110.10
2	53	56	SER	CA-C-N	6.92	132.41	120.58
2	53	56	SER	C-N-CA	6.92	132.41	120.58
2	57	56	SER	CA-C-N	6.92	132.41	120.58
2	57	56	SER	C-N-CA	6.92	132.41	120.58
2	6B	56	SER	CA-C-N	6.92	132.41	120.58
2	6B	56	SER	C-N-CA	6.92	132.41	120.58
1	6I	153	SER	CB-CA-C	6.92	123.24	110.10
1	6M	153	SER	CB-CA-C	6.92	123.25	110.10
1	6Q	153	SER	CB-CA-C	6.92	123.24	110.10
1	6U	153	SER	CB-CA-C	6.92	123.25	110.10
2	63	131	PRO	N-CA-CB	6.92	106.79	102.92
2	67	131	PRO	N-CA-CB	6.92	106.79	102.92
2	7B	131	PRO	N-CA-CB	6.92	106.79	102.92
1	7E	153	SER	CB-CA-C	6.92	123.25	110.10
1	7M	153	SER	CB-CA-C	6.92	123.24	110.10
1	7Q	153	SER	CB-CA-C	6.92	123.25	110.10
2	1F	28	THR	CA-CB-CG2	6.92	122.26	110.50
1	12	153	SER	CB-CA-C	6.92	123.24	110.10
1	16	153	SER	CB-CA-C	6.92	123.24	110.10
1	2A	153	SER	CB-CA-C	6.92	123.24	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	28	THR	CA-CB-CG2	6.92	122.26	110.50
2	23	28	THR	CA-CB-CG2	6.92	122.26	110.50
2	3N	28	THR	CA-CB-CG2	6.92	122.26	110.50
1	3Q	153	SER	CB-CA-C	6.92	123.24	110.10
1	3U	153	SER	CB-CA-C	6.92	123.24	110.10
1	3Y	153	SER	CB-CA-C	6.92	123.24	110.10
2	37	28	THR	CA-CB-CG2	6.92	122.26	110.50
2	4J	28	THR	CA-CB-CG2	6.92	122.26	110.50
2	4R	28	THR	CA-CB-CG2	6.92	122.26	110.50
1	5E	153	SER	CB-CA-C	6.92	123.24	110.10
1	5I	153	SER	CB-CA-C	6.92	123.24	110.10
1	5M	153	SER	CB-CA-C	6.92	123.24	110.10
2	5Z	28	THR	CA-CB-CG2	6.92	122.26	110.50
2	6F	28	THR	CA-CB-CG2	6.92	122.26	110.50
2	6Z	28	THR	CA-CB-CG2	6.92	122.26	110.50
1	62	153	SER	CB-CA-C	6.92	123.24	110.10
1	66	153	SER	CB-CA-C	6.92	123.24	110.10
1	7A	153	SER	CB-CA-C	6.92	123.24	110.10
2	7J	28	THR	CA-CB-CG2	6.92	122.26	110.50
2	7V	28	THR	CA-CB-CG2	6.92	122.26	110.50
2	1B	31	PHE	CB-CA-C	-6.92	96.66	110.42
2	1J	31	PHE	CB-CA-C	-6.92	96.66	110.42
2	2F	31	PHE	CB-CA-C	-6.92	96.66	110.42
2	27	31	PHE	CB-CA-C	-6.92	96.66	110.42
2	3F	31	PHE	CB-CA-C	-6.92	96.66	110.42
2	4B	31	PHE	CB-CA-C	-6.92	96.66	110.42
2	4N	31	PHE	CB-CA-C	-6.92	96.66	110.42
2	4V	31	PHE	CB-CA-C	-6.92	96.66	110.42
2	5R	31	PHE	CB-CA-C	-6.92	96.66	110.42
2	6J	31	PHE	CB-CA-C	-6.92	96.66	110.42
2	6R	31	PHE	CB-CA-C	-6.92	96.66	110.42
2	7N	31	PHE	CB-CA-C	-6.92	96.66	110.42
1	1M	78	SER	CA-C-O	6.91	129.60	121.58
1	2I	78	SER	CA-C-O	6.91	129.60	121.58
1	3A	78	SER	CA-C-O	6.91	129.60	121.58
1	3I	78	SER	CA-C-O	6.91	129.60	121.58
1	32	78	SER	CA-C-O	6.91	129.60	121.58
1	4E	78	SER	CA-C-O	6.91	129.60	121.58
1	4Y	78	SER	CA-C-O	6.91	129.60	121.58
1	5U	78	SER	CA-C-O	6.91	129.60	121.58
1	6M	78	SER	CA-C-O	6.91	129.60	121.58
1	6U	78	SER	CA-C-O	6.91	129.60	121.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	78	SER	CA-C-O	6.91	129.60	121.58
1	7Q	78	SER	CA-C-O	6.91	129.60	121.58
1	12	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
2	13	201	VAL	CB-CA-C	-6.91	102.96	111.32
1	16	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
2	17	201	VAL	CB-CA-C	-6.91	102.96	111.32
1	2A	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
2	2B	201	VAL	CB-CA-C	-6.91	102.96	111.32
1	3Q	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
2	3R	201	VAL	CB-CA-C	-6.91	102.96	111.32
1	3U	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
2	3V	201	VAL	CB-CA-C	-6.91	102.96	111.32
1	3Y	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
2	3Z	201	VAL	CB-CA-C	-6.91	102.96	111.32
1	5E	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
2	5F	201	VAL	CB-CA-C	-6.91	102.96	111.32
1	5I	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
2	5J	201	VAL	CB-CA-C	-6.91	102.96	111.32
1	5M	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
2	5N	201	VAL	CB-CA-C	-6.91	102.96	111.32
1	62	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
2	63	201	VAL	CB-CA-C	-6.91	102.96	111.32
1	66	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
2	67	201	VAL	CB-CA-C	-6.91	102.96	111.32
1	7A	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
2	7B	201	VAL	CB-CA-C	-6.91	102.96	111.32
1	1M	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
1	2I	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
1	3A	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
1	3I	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
1	32	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
1	4E	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
1	4Y	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
1	5U	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
1	6M	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
1	6U	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
1	7E	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
1	7Q	80	PHE	CD1-CE1-CZ	-6.91	107.56	120.00
1	1Q	80	PHE	CD1-CE1-CZ	-6.91	107.57	120.00
1	1U	80	PHE	CD1-CE1-CZ	-6.91	107.57	120.00
1	1Y	80	PHE	CD1-CE1-CZ	-6.91	107.57	120.00
1	2Q	80	PHE	CD1-CE1-CZ	-6.91	107.57	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	80	PHE	CD1-CE1-CZ	-6.91	107.57	120.00
1	2Y	80	PHE	CD1-CE1-CZ	-6.91	107.57	120.00
1	42	80	PHE	CD1-CE1-CZ	-6.91	107.57	120.00
1	46	80	PHE	CD1-CE1-CZ	-6.91	107.57	120.00
1	5A	80	PHE	CD1-CE1-CZ	-6.91	107.57	120.00
1	52	80	PHE	CD1-CE1-CZ	-6.91	107.57	120.00
1	56	80	PHE	CD1-CE1-CZ	-6.91	107.57	120.00
1	6A	80	PHE	CD1-CE1-CZ	-6.91	107.57	120.00
2	1N	31	PHE	CB-CA-C	-6.91	96.68	110.42
2	1R	10	GLN	OE1-CD-NE2	6.91	129.50	122.60
2	1V	10	GLN	OE1-CD-NE2	6.91	129.50	122.60
2	1Z	10	GLN	OE1-CD-NE2	6.91	129.50	122.60
2	2J	31	PHE	CB-CA-C	-6.91	96.68	110.42
2	2R	10	GLN	OE1-CD-NE2	6.91	129.50	122.60
2	2V	10	GLN	OE1-CD-NE2	6.91	129.50	122.60
2	2Z	10	GLN	OE1-CD-NE2	6.91	129.50	122.60
2	3B	31	PHE	CB-CA-C	-6.91	96.68	110.42
2	3J	31	PHE	CB-CA-C	-6.91	96.68	110.42
2	33	31	PHE	CB-CA-C	-6.91	96.68	110.42
2	4F	31	PHE	CB-CA-C	-6.91	96.68	110.42
2	4Z	31	PHE	CB-CA-C	-6.91	96.68	110.42
2	43	10	GLN	OE1-CD-NE2	6.91	129.50	122.60
2	47	10	GLN	OE1-CD-NE2	6.91	129.50	122.60
2	5B	10	GLN	OE1-CD-NE2	6.91	129.50	122.60
2	5V	31	PHE	CB-CA-C	-6.91	96.68	110.42
2	53	10	GLN	OE1-CD-NE2	6.91	129.50	122.60
2	57	10	GLN	OE1-CD-NE2	6.91	129.50	122.60
2	6B	10	GLN	OE1-CD-NE2	6.91	129.50	122.60
2	6N	31	PHE	CB-CA-C	-6.91	96.68	110.42
2	6V	31	PHE	CB-CA-C	-6.91	96.68	110.42
2	7F	31	PHE	CB-CA-C	-6.91	96.68	110.42
2	7R	31	PHE	CB-CA-C	-6.91	96.68	110.42
2	1F	31	PHE	CB-CA-C	-6.90	96.68	110.42
2	1N	107	PHE	CG-CD2-CE2	-6.90	108.96	120.70
2	2J	107	PHE	CG-CD2-CE2	-6.90	108.96	120.70
2	2N	31	PHE	CB-CA-C	-6.90	96.68	110.42
2	23	31	PHE	CB-CA-C	-6.90	96.68	110.42
2	3B	107	PHE	CG-CD2-CE2	-6.90	108.96	120.70
2	3J	107	PHE	CG-CD2-CE2	-6.90	108.96	120.70
2	3N	31	PHE	CB-CA-C	-6.90	96.68	110.42
2	33	107	PHE	CG-CD2-CE2	-6.90	108.96	120.70
2	37	31	PHE	CB-CA-C	-6.90	96.68	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	107	PHE	CG-CD2-CE2	-6.90	108.96	120.70
2	4J	31	PHE	CB-CA-C	-6.90	96.68	110.42
2	4R	31	PHE	CB-CA-C	-6.90	96.68	110.42
2	4Z	107	PHE	CG-CD2-CE2	-6.90	108.96	120.70
2	5V	107	PHE	CG-CD2-CE2	-6.90	108.96	120.70
2	5Z	31	PHE	CB-CA-C	-6.90	96.68	110.42
2	6F	31	PHE	CB-CA-C	-6.90	96.68	110.42
2	6N	107	PHE	CG-CD2-CE2	-6.90	108.96	120.70
2	6V	107	PHE	CG-CD2-CE2	-6.90	108.96	120.70
2	6Z	31	PHE	CB-CA-C	-6.90	96.68	110.42
2	7F	107	PHE	CG-CD2-CE2	-6.90	108.96	120.70
2	7J	31	PHE	CB-CA-C	-6.90	96.68	110.42
2	7R	107	PHE	CG-CD2-CE2	-6.90	108.96	120.70
2	7V	31	PHE	CB-CA-C	-6.90	96.68	110.42
2	1R	229	ASN	CA-C-O	-6.90	100.29	121.00
2	1V	229	ASN	CA-C-O	-6.90	100.29	121.00
2	1Z	229	ASN	CA-C-O	-6.90	100.29	121.00
2	2R	229	ASN	CA-C-O	-6.90	100.29	121.00
2	2V	229	ASN	CA-C-O	-6.90	100.29	121.00
2	2Z	229	ASN	CA-C-O	-6.90	100.29	121.00
2	43	229	ASN	CA-C-O	-6.90	100.29	121.00
2	47	229	ASN	CA-C-O	-6.90	100.29	121.00
2	5B	229	ASN	CA-C-O	-6.90	100.29	121.00
2	53	229	ASN	CA-C-O	-6.90	100.29	121.00
2	57	229	ASN	CA-C-O	-6.90	100.29	121.00
2	6B	229	ASN	CA-C-O	-6.90	100.29	121.00
1	12	150	TYR	O-C-N	-6.90	113.41	122.59
1	16	150	TYR	O-C-N	-6.90	113.41	122.59
1	2A	150	TYR	O-C-N	-6.90	113.41	122.59
1	3Q	150	TYR	O-C-N	-6.90	113.41	122.59
1	3U	150	TYR	O-C-N	-6.90	113.41	122.59
1	3Y	150	TYR	O-C-N	-6.90	113.41	122.59
1	5E	150	TYR	O-C-N	-6.90	113.41	122.59
1	5I	150	TYR	O-C-N	-6.90	113.41	122.59
1	5M	150	TYR	O-C-N	-6.90	113.41	122.59
1	62	150	TYR	O-C-N	-6.90	113.41	122.59
1	66	150	TYR	O-C-N	-6.90	113.41	122.59
1	7A	150	TYR	O-C-N	-6.90	113.41	122.59
1	1E	153	SER	CB-CA-C	6.90	123.21	110.10
1	2M	153	SER	CB-CA-C	6.90	123.21	110.10
1	22	153	SER	CB-CA-C	6.90	123.21	110.10
1	3M	153	SER	CB-CA-C	6.90	123.21	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	153	SER	CB-CA-C	6.90	123.21	110.10
1	4I	153	SER	CB-CA-C	6.90	123.21	110.10
1	4Q	153	SER	CB-CA-C	6.90	123.21	110.10
1	5Y	153	SER	CB-CA-C	6.90	123.21	110.10
1	6E	153	SER	CB-CA-C	6.90	123.21	110.10
1	6Y	153	SER	CB-CA-C	6.90	123.21	110.10
1	7I	153	SER	CB-CA-C	6.90	123.21	110.10
1	7U	153	SER	CB-CA-C	6.90	123.21	110.10
1	1Q	150	TYR	O-C-N	-6.90	113.42	122.59
1	1U	150	TYR	O-C-N	-6.90	113.42	122.59
1	1Y	150	TYR	O-C-N	-6.90	113.42	122.59
1	2Q	150	TYR	O-C-N	-6.90	113.42	122.59
1	2U	150	TYR	O-C-N	-6.90	113.42	122.59
1	2Y	150	TYR	O-C-N	-6.90	113.42	122.59
1	42	150	TYR	O-C-N	-6.90	113.42	122.59
1	46	150	TYR	O-C-N	-6.90	113.42	122.59
1	5A	150	TYR	O-C-N	-6.90	113.42	122.59
1	52	150	TYR	O-C-N	-6.90	113.42	122.59
1	56	150	TYR	O-C-N	-6.90	113.42	122.59
1	6A	150	TYR	O-C-N	-6.90	113.42	122.59
2	1F	229	ASN	CA-C-O	-6.89	100.32	121.00
2	2N	229	ASN	CA-C-O	-6.89	100.32	121.00
2	23	229	ASN	CA-C-O	-6.89	100.32	121.00
2	3N	229	ASN	CA-C-O	-6.89	100.32	121.00
2	37	229	ASN	CA-C-O	-6.89	100.32	121.00
2	4J	229	ASN	CA-C-O	-6.89	100.32	121.00
2	4R	229	ASN	CA-C-O	-6.89	100.32	121.00
2	5Z	229	ASN	CA-C-O	-6.89	100.32	121.00
2	6F	229	ASN	CA-C-O	-6.89	100.32	121.00
2	6Z	229	ASN	CA-C-O	-6.89	100.32	121.00
2	7J	229	ASN	CA-C-O	-6.89	100.32	121.00
2	7V	229	ASN	CA-C-O	-6.89	100.32	121.00
2	1B	229	ASN	CA-C-O	-6.89	100.33	121.00
2	1J	229	ASN	CA-C-O	-6.89	100.33	121.00
2	2F	229	ASN	CA-C-O	-6.89	100.33	121.00
2	27	229	ASN	CA-C-O	-6.89	100.33	121.00
2	3F	229	ASN	CA-C-O	-6.89	100.33	121.00
2	4B	229	ASN	CA-C-O	-6.89	100.33	121.00
2	4N	229	ASN	CA-C-O	-6.89	100.33	121.00
2	4V	229	ASN	CA-C-O	-6.89	100.33	121.00
2	5R	229	ASN	CA-C-O	-6.89	100.33	121.00
2	6J	229	ASN	CA-C-O	-6.89	100.33	121.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	229	ASN	CA-C-O	-6.89	100.33	121.00
2	7N	229	ASN	CA-C-O	-6.89	100.33	121.00
1	1E	150	TYR	O-C-N	-6.89	113.43	122.59
1	2M	150	TYR	O-C-N	-6.89	113.43	122.59
1	22	150	TYR	O-C-N	-6.89	113.43	122.59
1	3M	150	TYR	O-C-N	-6.89	113.43	122.59
1	36	150	TYR	O-C-N	-6.89	113.43	122.59
1	4I	150	TYR	O-C-N	-6.89	113.43	122.59
1	4Q	150	TYR	O-C-N	-6.89	113.43	122.59
1	5Y	150	TYR	O-C-N	-6.89	113.43	122.59
1	6E	150	TYR	O-C-N	-6.89	113.43	122.59
1	6Y	150	TYR	O-C-N	-6.89	113.43	122.59
1	7I	150	TYR	O-C-N	-6.89	113.43	122.59
1	7U	150	TYR	O-C-N	-6.89	113.43	122.59
1	1M	150	TYR	O-C-N	-6.89	113.43	122.59
2	1R	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	1V	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	1Z	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
1	12	180	VAL	CB-CA-C	6.89	122.04	110.95
1	16	180	VAL	CB-CA-C	6.89	122.04	110.95
1	2A	180	VAL	CB-CA-C	6.89	122.04	110.95
1	2I	150	TYR	O-C-N	-6.89	113.43	122.59
2	2R	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	2V	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	2Z	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
1	3A	150	TYR	O-C-N	-6.89	113.43	122.59
1	3I	150	TYR	O-C-N	-6.89	113.43	122.59
1	3Q	180	VAL	CB-CA-C	6.89	122.04	110.95
1	3U	180	VAL	CB-CA-C	6.89	122.04	110.95
1	3Y	180	VAL	CB-CA-C	6.89	122.04	110.95
1	32	150	TYR	O-C-N	-6.89	113.43	122.59
1	4E	150	TYR	O-C-N	-6.89	113.43	122.59
1	4Y	150	TYR	O-C-N	-6.89	113.43	122.59
2	43	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	47	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	5B	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
1	5E	180	VAL	CB-CA-C	6.89	122.04	110.95
1	5I	180	VAL	CB-CA-C	6.89	122.04	110.95
1	5M	180	VAL	CB-CA-C	6.89	122.04	110.95
1	5U	150	TYR	O-C-N	-6.89	113.43	122.59
2	53	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	57	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6B	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
1	6M	150	TYR	O-C-N	-6.89	113.43	122.59
1	6U	150	TYR	O-C-N	-6.89	113.43	122.59
1	62	180	VAL	CB-CA-C	6.89	122.04	110.95
1	66	180	VAL	CB-CA-C	6.89	122.04	110.95
1	7A	180	VAL	CB-CA-C	6.89	122.04	110.95
1	7E	150	TYR	O-C-N	-6.89	113.43	122.59
1	7Q	150	TYR	O-C-N	-6.89	113.43	122.59
2	1B	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	1B	131	PRO	N-CA-CB	6.89	106.78	102.92
2	1J	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	1J	131	PRO	N-CA-CB	6.89	106.78	102.92
2	1N	229	ASN	CA-C-O	-6.89	100.34	121.00
2	2F	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	2F	131	PRO	N-CA-CB	6.89	106.78	102.92
2	2J	229	ASN	CA-C-O	-6.89	100.34	121.00
2	27	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	27	131	PRO	N-CA-CB	6.89	106.78	102.92
2	3B	229	ASN	CA-C-O	-6.89	100.34	121.00
2	3F	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	3F	131	PRO	N-CA-CB	6.89	106.78	102.92
2	3J	229	ASN	CA-C-O	-6.89	100.34	121.00
2	33	229	ASN	CA-C-O	-6.89	100.34	121.00
2	4B	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	4B	131	PRO	N-CA-CB	6.89	106.78	102.92
2	4F	229	ASN	CA-C-O	-6.89	100.34	121.00
2	4N	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	4N	131	PRO	N-CA-CB	6.89	106.78	102.92
2	4V	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	4V	131	PRO	N-CA-CB	6.89	106.78	102.92
2	4Z	229	ASN	CA-C-O	-6.89	100.34	121.00
2	5R	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	5R	131	PRO	N-CA-CB	6.89	106.78	102.92
2	5V	229	ASN	CA-C-O	-6.89	100.34	121.00
2	6J	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	6J	131	PRO	N-CA-CB	6.89	106.78	102.92
2	6N	229	ASN	CA-C-O	-6.89	100.34	121.00
2	6R	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70
2	6R	131	PRO	N-CA-CB	6.89	106.78	102.92
2	6V	229	ASN	CA-C-O	-6.89	100.34	121.00
2	7F	229	ASN	CA-C-O	-6.89	100.34	121.00
2	7N	107	PHE	CG-CD2-CE2	-6.89	108.99	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	131	PRO	N-CA-CB	6.89	106.78	102.92
2	7R	229	ASN	CA-C-O	-6.89	100.34	121.00
2	13	229	ASN	CA-C-O	-6.88	100.35	121.00
2	17	229	ASN	CA-C-O	-6.88	100.35	121.00
2	2B	229	ASN	CA-C-O	-6.88	100.35	121.00
2	3R	229	ASN	CA-C-O	-6.88	100.35	121.00
2	3V	229	ASN	CA-C-O	-6.88	100.35	121.00
2	3Z	229	ASN	CA-C-O	-6.88	100.35	121.00
2	5F	229	ASN	CA-C-O	-6.88	100.35	121.00
2	5J	229	ASN	CA-C-O	-6.88	100.35	121.00
2	5N	229	ASN	CA-C-O	-6.88	100.35	121.00
2	63	229	ASN	CA-C-O	-6.88	100.35	121.00
2	67	229	ASN	CA-C-O	-6.88	100.35	121.00
2	7B	229	ASN	CA-C-O	-6.88	100.35	121.00
1	1A	150	TYR	O-C-N	-6.88	113.44	122.59
1	1I	150	TYR	O-C-N	-6.88	113.44	122.59
1	2E	150	TYR	O-C-N	-6.88	113.44	122.59
1	26	150	TYR	O-C-N	-6.88	113.44	122.59
1	3E	150	TYR	O-C-N	-6.88	113.44	122.59
1	4A	150	TYR	O-C-N	-6.88	113.44	122.59
1	4M	150	TYR	O-C-N	-6.88	113.44	122.59
1	4U	150	TYR	O-C-N	-6.88	113.44	122.59
1	5Q	150	TYR	O-C-N	-6.88	113.44	122.59
1	6I	150	TYR	O-C-N	-6.88	113.44	122.59
1	6Q	150	TYR	O-C-N	-6.88	113.44	122.59
1	7M	150	TYR	O-C-N	-6.88	113.44	122.59
2	1N	131	PRO	N-CA-CB	6.88	106.77	102.92
2	2J	131	PRO	N-CA-CB	6.88	106.77	102.92
2	3B	131	PRO	N-CA-CB	6.88	106.77	102.92
2	3J	131	PRO	N-CA-CB	6.88	106.77	102.92
2	33	131	PRO	N-CA-CB	6.88	106.77	102.92
2	4F	131	PRO	N-CA-CB	6.88	106.77	102.92
2	4Z	131	PRO	N-CA-CB	6.88	106.77	102.92
2	5V	131	PRO	N-CA-CB	6.88	106.77	102.92
2	6N	131	PRO	N-CA-CB	6.88	106.77	102.92
2	6V	131	PRO	N-CA-CB	6.88	106.77	102.92
2	7F	131	PRO	N-CA-CB	6.88	106.77	102.92
2	7R	131	PRO	N-CA-CB	6.88	106.77	102.92
2	1F	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	1N	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	2J	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	2N	72	ARG	N-CA-CB	-6.87	98.81	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	3B	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	3J	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	3N	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	33	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	37	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	4F	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	4J	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	4R	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	4Z	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	5V	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	5Z	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	6F	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	6N	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	6V	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	6Z	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	7F	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	7J	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	7R	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	7V	72	ARG	N-CA-CB	-6.87	98.81	110.50
2	1F	10	GLN	OE1-CD-NE2	6.87	129.47	122.60
2	2N	10	GLN	OE1-CD-NE2	6.87	129.47	122.60
2	23	10	GLN	OE1-CD-NE2	6.87	129.47	122.60
2	3N	10	GLN	OE1-CD-NE2	6.87	129.47	122.60
2	37	10	GLN	OE1-CD-NE2	6.87	129.47	122.60
2	4J	10	GLN	OE1-CD-NE2	6.87	129.47	122.60
2	4R	10	GLN	OE1-CD-NE2	6.87	129.47	122.60
2	5Z	10	GLN	OE1-CD-NE2	6.87	129.47	122.60
2	6F	10	GLN	OE1-CD-NE2	6.87	129.47	122.60
2	6Z	10	GLN	OE1-CD-NE2	6.87	129.47	122.60
2	7J	10	GLN	OE1-CD-NE2	6.87	129.47	122.60
2	7V	10	GLN	OE1-CD-NE2	6.87	129.47	122.60
1	1Q	180	VAL	CB-CA-C	6.87	122.01	110.95
1	1U	180	VAL	CB-CA-C	6.87	122.01	110.95
1	1Y	180	VAL	CB-CA-C	6.87	122.01	110.95
1	2Q	180	VAL	CB-CA-C	6.87	122.01	110.95
1	2U	180	VAL	CB-CA-C	6.87	122.01	110.95
1	2Y	180	VAL	CB-CA-C	6.87	122.01	110.95
1	42	180	VAL	CB-CA-C	6.87	122.01	110.95
1	46	180	VAL	CB-CA-C	6.87	122.01	110.95
1	5A	180	VAL	CB-CA-C	6.87	122.01	110.95
1	52	180	VAL	CB-CA-C	6.87	122.01	110.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	180	VAL	CB-CA-C	6.87	122.01	110.95
1	6A	180	VAL	CB-CA-C	6.87	122.01	110.95
2	1F	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	1N	40	ASN	N-CA-C	-6.87	96.17	110.80
2	1R	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	1V	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	1Z	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	13	32	SER	CB-CA-C	-6.87	102.19	110.08
2	13	40	ASN	N-CA-C	-6.87	96.17	110.80
2	13	107	PHE	CG-CD2-CE2	-6.87	109.03	120.70
2	17	32	SER	CB-CA-C	-6.87	102.19	110.08
2	17	40	ASN	N-CA-C	-6.87	96.17	110.80
2	17	107	PHE	CG-CD2-CE2	-6.87	109.03	120.70
2	2B	32	SER	CB-CA-C	-6.87	102.19	110.08
2	2B	40	ASN	N-CA-C	-6.87	96.17	110.80
2	2B	107	PHE	CG-CD2-CE2	-6.87	109.03	120.70
2	2J	40	ASN	N-CA-C	-6.87	96.17	110.80
2	2N	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	2R	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	2V	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	2Z	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	23	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	3B	40	ASN	N-CA-C	-6.87	96.17	110.80
2	3J	40	ASN	N-CA-C	-6.87	96.17	110.80
2	3N	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	3R	32	SER	CB-CA-C	-6.87	102.19	110.08
2	3R	40	ASN	N-CA-C	-6.87	96.17	110.80
2	3R	107	PHE	CG-CD2-CE2	-6.87	109.03	120.70
2	3V	32	SER	CB-CA-C	-6.87	102.19	110.08
2	3V	40	ASN	N-CA-C	-6.87	96.17	110.80
2	3V	107	PHE	CG-CD2-CE2	-6.87	109.03	120.70
2	3Z	32	SER	CB-CA-C	-6.87	102.19	110.08
2	3Z	40	ASN	N-CA-C	-6.87	96.17	110.80
2	3Z	107	PHE	CG-CD2-CE2	-6.87	109.03	120.70
2	33	40	ASN	N-CA-C	-6.87	96.17	110.80
2	37	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	4F	40	ASN	N-CA-C	-6.87	96.17	110.80
2	4J	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	4R	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	4Z	40	ASN	N-CA-C	-6.87	96.17	110.80
2	43	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	47	33	PRO	CB-CG-CD	-6.87	84.13	106.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5B	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	5F	32	SER	CB-CA-C	-6.87	102.19	110.08
2	5F	40	ASN	N-CA-C	-6.87	96.17	110.80
2	5F	107	PHE	CG-CD2-CE2	-6.87	109.03	120.70
2	5J	32	SER	CB-CA-C	-6.87	102.19	110.08
2	5J	40	ASN	N-CA-C	-6.87	96.17	110.80
2	5J	107	PHE	CG-CD2-CE2	-6.87	109.03	120.70
2	5N	32	SER	CB-CA-C	-6.87	102.19	110.08
2	5N	40	ASN	N-CA-C	-6.87	96.17	110.80
2	5N	107	PHE	CG-CD2-CE2	-6.87	109.03	120.70
2	5V	40	ASN	N-CA-C	-6.87	96.17	110.80
2	5Z	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	53	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	57	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	6B	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	6F	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	6N	40	ASN	N-CA-C	-6.87	96.17	110.80
2	6V	40	ASN	N-CA-C	-6.87	96.17	110.80
2	6Z	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	63	32	SER	CB-CA-C	-6.87	102.19	110.08
2	63	40	ASN	N-CA-C	-6.87	96.17	110.80
2	63	107	PHE	CG-CD2-CE2	-6.87	109.03	120.70
2	67	32	SER	CB-CA-C	-6.87	102.19	110.08
2	67	40	ASN	N-CA-C	-6.87	96.17	110.80
2	67	107	PHE	CG-CD2-CE2	-6.87	109.03	120.70
2	7B	32	SER	CB-CA-C	-6.87	102.19	110.08
2	7B	40	ASN	N-CA-C	-6.87	96.17	110.80
2	7B	107	PHE	CG-CD2-CE2	-6.87	109.03	120.70
2	7F	40	ASN	N-CA-C	-6.87	96.17	110.80
2	7J	33	PRO	CB-CG-CD	-6.87	84.13	106.10
2	7R	40	ASN	N-CA-C	-6.87	96.17	110.80
2	7V	33	PRO	CB-CG-CD	-6.87	84.13	106.10
1	1E	24	VAL	CA-CB-CG2	6.86	122.07	110.40
1	2M	24	VAL	CA-CB-CG2	6.86	122.07	110.40
1	22	24	VAL	CA-CB-CG2	6.86	122.07	110.40
1	3M	24	VAL	CA-CB-CG2	6.86	122.07	110.40
1	36	24	VAL	CA-CB-CG2	6.86	122.07	110.40
1	4I	24	VAL	CA-CB-CG2	6.86	122.07	110.40
1	4Q	24	VAL	CA-CB-CG2	6.86	122.07	110.40
1	5Y	24	VAL	CA-CB-CG2	6.86	122.07	110.40
1	6E	24	VAL	CA-CB-CG2	6.86	122.07	110.40
1	6Y	24	VAL	CA-CB-CG2	6.86	122.07	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	24	VAL	CA-CB-CG2	6.86	122.07	110.40
1	7U	24	VAL	CA-CB-CG2	6.86	122.07	110.40
1	1A	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	1A	180	VAL	CB-CA-C	6.86	122.00	110.95
2	1F	107	PHE	CG-CD2-CE2	-6.86	109.04	120.70
1	1I	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	1I	180	VAL	CB-CA-C	6.86	122.00	110.95
1	1M	180	VAL	CB-CA-C	6.86	122.00	110.95
1	2E	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	2E	180	VAL	CB-CA-C	6.86	122.00	110.95
1	2I	180	VAL	CB-CA-C	6.86	122.00	110.95
2	2N	107	PHE	CG-CD2-CE2	-6.86	109.04	120.70
2	23	107	PHE	CG-CD2-CE2	-6.86	109.04	120.70
1	26	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	26	180	VAL	CB-CA-C	6.86	122.00	110.95
1	3A	180	VAL	CB-CA-C	6.86	122.00	110.95
1	3E	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	3E	180	VAL	CB-CA-C	6.86	122.00	110.95
1	3I	180	VAL	CB-CA-C	6.86	122.00	110.95
2	3N	107	PHE	CG-CD2-CE2	-6.86	109.04	120.70
1	32	180	VAL	CB-CA-C	6.86	122.00	110.95
2	37	107	PHE	CG-CD2-CE2	-6.86	109.04	120.70
1	4A	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	4A	180	VAL	CB-CA-C	6.86	122.00	110.95
1	4E	180	VAL	CB-CA-C	6.86	122.00	110.95
2	4J	107	PHE	CG-CD2-CE2	-6.86	109.04	120.70
1	4M	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	4M	180	VAL	CB-CA-C	6.86	122.00	110.95
2	4R	107	PHE	CG-CD2-CE2	-6.86	109.04	120.70
1	4U	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	4U	180	VAL	CB-CA-C	6.86	122.00	110.95
1	4Y	180	VAL	CB-CA-C	6.86	122.00	110.95
1	5Q	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	5Q	180	VAL	CB-CA-C	6.86	122.00	110.95
1	5U	180	VAL	CB-CA-C	6.86	122.00	110.95
2	5Z	107	PHE	CG-CD2-CE2	-6.86	109.04	120.70
2	6F	107	PHE	CG-CD2-CE2	-6.86	109.04	120.70
1	6I	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	6I	180	VAL	CB-CA-C	6.86	122.00	110.95
1	6M	180	VAL	CB-CA-C	6.86	122.00	110.95
1	6Q	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	6Q	180	VAL	CB-CA-C	6.86	122.00	110.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6U	180	VAL	CB-CA-C	6.86	122.00	110.95
2	6Z	107	PHE	CG-CD2-CE2	-6.86	109.04	120.70
1	7E	180	VAL	CB-CA-C	6.86	122.00	110.95
2	7J	107	PHE	CG-CD2-CE2	-6.86	109.04	120.70
1	7M	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	7M	180	VAL	CB-CA-C	6.86	122.00	110.95
1	7Q	180	VAL	CB-CA-C	6.86	122.00	110.95
2	7V	107	PHE	CG-CD2-CE2	-6.86	109.04	120.70
2	1B	33	PRO	CB-CG-CD	-6.86	84.15	106.10
2	1J	33	PRO	CB-CG-CD	-6.86	84.15	106.10
1	1Q	91	PRO	O-C-N	-6.86	114.91	123.21
1	1U	91	PRO	O-C-N	-6.86	114.91	123.21
1	1Y	91	PRO	O-C-N	-6.86	114.91	123.21
2	2F	33	PRO	CB-CG-CD	-6.86	84.15	106.10
1	2Q	91	PRO	O-C-N	-6.86	114.91	123.21
1	2U	91	PRO	O-C-N	-6.86	114.91	123.21
1	2Y	91	PRO	O-C-N	-6.86	114.91	123.21
2	27	33	PRO	CB-CG-CD	-6.86	84.15	106.10
2	3F	33	PRO	CB-CG-CD	-6.86	84.15	106.10
2	4B	33	PRO	CB-CG-CD	-6.86	84.15	106.10
2	4N	33	PRO	CB-CG-CD	-6.86	84.15	106.10
2	4V	33	PRO	CB-CG-CD	-6.86	84.15	106.10
1	42	91	PRO	O-C-N	-6.86	114.91	123.21
1	46	91	PRO	O-C-N	-6.86	114.91	123.21
1	5A	91	PRO	O-C-N	-6.86	114.91	123.21
2	5R	33	PRO	CB-CG-CD	-6.86	84.15	106.10
1	52	91	PRO	O-C-N	-6.86	114.91	123.21
1	56	91	PRO	O-C-N	-6.86	114.91	123.21
1	6A	91	PRO	O-C-N	-6.86	114.91	123.21
2	6J	33	PRO	CB-CG-CD	-6.86	84.15	106.10
2	6R	33	PRO	CB-CG-CD	-6.86	84.15	106.10
2	7N	33	PRO	CB-CG-CD	-6.86	84.15	106.10
2	1B	40	ASN	N-CA-C	-6.86	96.19	110.80
2	1J	40	ASN	N-CA-C	-6.86	96.19	110.80
2	1N	33	PRO	CB-CG-CD	-6.86	84.16	106.10
1	1Q	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	1U	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	1Y	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	12	147	ARG	CA-C-O	6.86	130.31	121.67
2	13	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	13	54	ASN	CA-C-O	6.86	124.99	118.34
1	16	147	ARG	CA-C-O	6.86	130.31	121.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	17	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	17	54	ASN	CA-C-O	6.86	124.99	118.34
1	2A	147	ARG	CA-C-O	6.86	130.31	121.67
2	2B	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	2B	54	ASN	CA-C-O	6.86	124.99	118.34
2	2F	40	ASN	N-CA-C	-6.86	96.19	110.80
2	2J	33	PRO	CB-CG-CD	-6.86	84.16	106.10
1	2Q	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	2U	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	2Y	24	VAL	CA-CB-CG2	6.86	122.06	110.40
2	27	40	ASN	N-CA-C	-6.86	96.19	110.80
2	3B	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	3F	40	ASN	N-CA-C	-6.86	96.19	110.80
2	3J	33	PRO	CB-CG-CD	-6.86	84.16	106.10
1	3Q	147	ARG	CA-C-O	6.86	130.31	121.67
2	3R	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	3R	54	ASN	CA-C-O	6.86	124.99	118.34
1	3U	147	ARG	CA-C-O	6.86	130.31	121.67
2	3V	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	3V	54	ASN	CA-C-O	6.86	124.99	118.34
1	3Y	147	ARG	CA-C-O	6.86	130.31	121.67
2	3Z	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	3Z	54	ASN	CA-C-O	6.86	124.99	118.34
2	33	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	4B	40	ASN	N-CA-C	-6.86	96.19	110.80
2	4F	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	4N	40	ASN	N-CA-C	-6.86	96.19	110.80
2	4V	40	ASN	N-CA-C	-6.86	96.19	110.80
2	4Z	33	PRO	CB-CG-CD	-6.86	84.16	106.10
1	42	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	46	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	5A	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	5E	147	ARG	CA-C-O	6.86	130.31	121.67
2	5F	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	5F	54	ASN	CA-C-O	6.86	124.99	118.34
1	5I	147	ARG	CA-C-O	6.86	130.31	121.67
2	5J	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	5J	54	ASN	CA-C-O	6.86	124.99	118.34
1	5M	147	ARG	CA-C-O	6.86	130.31	121.67
2	5N	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	5N	54	ASN	CA-C-O	6.86	124.99	118.34
2	5R	40	ASN	N-CA-C	-6.86	96.19	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	33	PRO	CB-CG-CD	-6.86	84.16	106.10
1	52	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	56	24	VAL	CA-CB-CG2	6.86	122.06	110.40
1	6A	24	VAL	CA-CB-CG2	6.86	122.06	110.40
2	6J	40	ASN	N-CA-C	-6.86	96.19	110.80
2	6N	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	6R	40	ASN	N-CA-C	-6.86	96.19	110.80
2	6V	33	PRO	CB-CG-CD	-6.86	84.16	106.10
1	62	147	ARG	CA-C-O	6.86	130.31	121.67
2	63	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	63	54	ASN	CA-C-O	6.86	124.99	118.34
1	66	147	ARG	CA-C-O	6.86	130.31	121.67
2	67	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	67	54	ASN	CA-C-O	6.86	124.99	118.34
1	7A	147	ARG	CA-C-O	6.86	130.31	121.67
2	7B	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	7B	54	ASN	CA-C-O	6.86	124.99	118.34
2	7F	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	7N	40	ASN	N-CA-C	-6.86	96.19	110.80
2	7R	33	PRO	CB-CG-CD	-6.86	84.16	106.10
2	1B	72	ARG	N-CA-CB	-6.86	98.84	110.50
2	1J	72	ARG	N-CA-CB	-6.86	98.84	110.50
1	12	24	VAL	CA-CB-CG2	6.86	122.06	110.40
2	13	72	ARG	N-CA-CB	-6.86	98.84	110.50
1	16	24	VAL	CA-CB-CG2	6.86	122.06	110.40
2	17	72	ARG	N-CA-CB	-6.86	98.84	110.50
1	2A	24	VAL	CA-CB-CG2	6.86	122.06	110.40
2	2B	72	ARG	N-CA-CB	-6.86	98.84	110.50
2	2F	72	ARG	N-CA-CB	-6.86	98.84	110.50
2	27	72	ARG	N-CA-CB	-6.86	98.84	110.50
2	3F	72	ARG	N-CA-CB	-6.86	98.84	110.50
1	3Q	24	VAL	CA-CB-CG2	6.86	122.06	110.40
2	3R	72	ARG	N-CA-CB	-6.86	98.84	110.50
1	3U	24	VAL	CA-CB-CG2	6.86	122.06	110.40
2	3V	72	ARG	N-CA-CB	-6.86	98.84	110.50
1	3Y	24	VAL	CA-CB-CG2	6.86	122.06	110.40
2	3Z	72	ARG	N-CA-CB	-6.86	98.84	110.50
2	4B	72	ARG	N-CA-CB	-6.86	98.84	110.50
2	4N	72	ARG	N-CA-CB	-6.86	98.84	110.50
2	4V	72	ARG	N-CA-CB	-6.86	98.84	110.50
1	5E	24	VAL	CA-CB-CG2	6.86	122.06	110.40
2	5F	72	ARG	N-CA-CB	-6.86	98.84	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5I	24	VAL	CA-CB-CG2	6.86	122.06	110.40
2	5J	72	ARG	N-CA-CB	-6.86	98.84	110.50
1	5M	24	VAL	CA-CB-CG2	6.86	122.06	110.40
2	5N	72	ARG	N-CA-CB	-6.86	98.84	110.50
2	5R	72	ARG	N-CA-CB	-6.86	98.84	110.50
2	6J	72	ARG	N-CA-CB	-6.86	98.84	110.50
2	6R	72	ARG	N-CA-CB	-6.86	98.84	110.50
1	62	24	VAL	CA-CB-CG2	6.86	122.06	110.40
2	63	72	ARG	N-CA-CB	-6.86	98.84	110.50
1	66	24	VAL	CA-CB-CG2	6.86	122.06	110.40
2	67	72	ARG	N-CA-CB	-6.86	98.84	110.50
1	7A	24	VAL	CA-CB-CG2	6.86	122.06	110.40
2	7B	72	ARG	N-CA-CB	-6.86	98.84	110.50
2	7N	72	ARG	N-CA-CB	-6.86	98.84	110.50
2	1B	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
1	1E	144	VAL	N-CA-CB	-6.85	93.04	111.75
2	1F	40	ASN	N-CA-C	-6.85	96.21	110.80
2	1J	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
2	1R	40	ASN	N-CA-C	-6.85	96.20	110.80
2	1V	40	ASN	N-CA-C	-6.85	96.20	110.80
2	1Z	40	ASN	N-CA-C	-6.85	96.20	110.80
2	2F	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
1	2M	144	VAL	N-CA-CB	-6.85	93.04	111.75
2	2N	40	ASN	N-CA-C	-6.85	96.21	110.80
2	2R	40	ASN	N-CA-C	-6.85	96.20	110.80
2	2V	40	ASN	N-CA-C	-6.85	96.20	110.80
2	2Z	40	ASN	N-CA-C	-6.85	96.20	110.80
1	22	144	VAL	N-CA-CB	-6.85	93.04	111.75
2	23	40	ASN	N-CA-C	-6.85	96.21	110.80
2	27	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
2	3F	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
1	3M	144	VAL	N-CA-CB	-6.85	93.04	111.75
2	3N	40	ASN	N-CA-C	-6.85	96.21	110.80
1	36	144	VAL	N-CA-CB	-6.85	93.04	111.75
2	37	40	ASN	N-CA-C	-6.85	96.21	110.80
2	4B	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
1	4I	144	VAL	N-CA-CB	-6.85	93.04	111.75
2	4J	40	ASN	N-CA-C	-6.85	96.21	110.80
2	4N	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
1	4Q	144	VAL	N-CA-CB	-6.85	93.04	111.75
2	4R	40	ASN	N-CA-C	-6.85	96.21	110.80
2	4V	10	GLN	OE1-CD-NE2	6.85	129.45	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	43	40	ASN	N-CA-C	-6.85	96.20	110.80
2	47	40	ASN	N-CA-C	-6.85	96.20	110.80
2	5B	40	ASN	N-CA-C	-6.85	96.20	110.80
2	5R	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
1	5Y	144	VAL	N-CA-CB	-6.85	93.04	111.75
2	5Z	40	ASN	N-CA-C	-6.85	96.21	110.80
2	53	40	ASN	N-CA-C	-6.85	96.20	110.80
2	57	40	ASN	N-CA-C	-6.85	96.20	110.80
2	6B	40	ASN	N-CA-C	-6.85	96.20	110.80
1	6E	144	VAL	N-CA-CB	-6.85	93.04	111.75
2	6F	40	ASN	N-CA-C	-6.85	96.21	110.80
2	6J	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
2	6R	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
1	6Y	144	VAL	N-CA-CB	-6.85	93.04	111.75
2	6Z	40	ASN	N-CA-C	-6.85	96.21	110.80
1	7I	144	VAL	N-CA-CB	-6.85	93.04	111.75
2	7J	40	ASN	N-CA-C	-6.85	96.21	110.80
2	7N	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
1	7U	144	VAL	N-CA-CB	-6.85	93.04	111.75
2	7V	40	ASN	N-CA-C	-6.85	96.21	110.80
2	1F	70	TRP	CA-C-O	-6.85	113.42	121.16
2	13	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
2	17	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
2	2B	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
2	2N	70	TRP	CA-C-O	-6.85	113.42	121.16
2	23	70	TRP	CA-C-O	-6.85	113.42	121.16
2	3N	70	TRP	CA-C-O	-6.85	113.42	121.16
2	3R	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
2	3V	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
2	3Z	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
2	37	70	TRP	CA-C-O	-6.85	113.42	121.16
2	4J	70	TRP	CA-C-O	-6.85	113.42	121.16
2	4R	70	TRP	CA-C-O	-6.85	113.42	121.16
2	5F	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
2	5J	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
2	5N	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
2	5Z	70	TRP	CA-C-O	-6.85	113.42	121.16
2	6F	70	TRP	CA-C-O	-6.85	113.42	121.16
2	6Z	70	TRP	CA-C-O	-6.85	113.42	121.16
2	63	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
2	67	10	GLN	OE1-CD-NE2	6.85	129.45	122.60
2	7B	10	GLN	OE1-CD-NE2	6.85	129.45	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	70	TRP	CA-C-O	-6.85	113.42	121.16
2	7V	70	TRP	CA-C-O	-6.85	113.42	121.16
2	1R	70	TRP	CA-C-O	-6.85	113.42	121.16
2	1V	70	TRP	CA-C-O	-6.85	113.42	121.16
2	1Z	70	TRP	CA-C-O	-6.85	113.42	121.16
2	2R	70	TRP	CA-C-O	-6.85	113.42	121.16
2	2V	70	TRP	CA-C-O	-6.85	113.42	121.16
2	2Z	70	TRP	CA-C-O	-6.85	113.42	121.16
2	43	70	TRP	CA-C-O	-6.85	113.42	121.16
2	47	70	TRP	CA-C-O	-6.85	113.42	121.16
2	5B	70	TRP	CA-C-O	-6.85	113.42	121.16
2	53	70	TRP	CA-C-O	-6.85	113.42	121.16
2	57	70	TRP	CA-C-O	-6.85	113.42	121.16
2	6B	70	TRP	CA-C-O	-6.85	113.42	121.16
1	1M	24	VAL	CA-CB-CG2	6.85	122.04	110.40
1	1Q	147	ARG	CA-C-O	6.85	130.30	121.67
1	1Q	172	PHE	N-CA-C	6.85	125.38	110.80
1	1U	147	ARG	CA-C-O	6.85	130.30	121.67
1	1U	172	PHE	N-CA-C	6.85	125.38	110.80
1	1Y	147	ARG	CA-C-O	6.85	130.30	121.67
1	1Y	172	PHE	N-CA-C	6.85	125.38	110.80
1	2I	24	VAL	CA-CB-CG2	6.85	122.04	110.40
1	2Q	147	ARG	CA-C-O	6.85	130.30	121.67
1	2Q	172	PHE	N-CA-C	6.85	125.38	110.80
1	2U	147	ARG	CA-C-O	6.85	130.30	121.67
1	2U	172	PHE	N-CA-C	6.85	125.38	110.80
1	2Y	147	ARG	CA-C-O	6.85	130.30	121.67
1	2Y	172	PHE	N-CA-C	6.85	125.38	110.80
1	3A	24	VAL	CA-CB-CG2	6.85	122.04	110.40
1	3I	24	VAL	CA-CB-CG2	6.85	122.04	110.40
1	32	24	VAL	CA-CB-CG2	6.85	122.04	110.40
1	4E	24	VAL	CA-CB-CG2	6.85	122.04	110.40
1	4Y	24	VAL	CA-CB-CG2	6.85	122.04	110.40
1	42	147	ARG	CA-C-O	6.85	130.30	121.67
1	42	172	PHE	N-CA-C	6.85	125.38	110.80
1	46	147	ARG	CA-C-O	6.85	130.30	121.67
1	46	172	PHE	N-CA-C	6.85	125.38	110.80
1	5A	147	ARG	CA-C-O	6.85	130.30	121.67
1	5A	172	PHE	N-CA-C	6.85	125.38	110.80
1	5U	24	VAL	CA-CB-CG2	6.85	122.04	110.40
1	52	147	ARG	CA-C-O	6.85	130.30	121.67
1	52	172	PHE	N-CA-C	6.85	125.38	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	147	ARG	CA-C-O	6.85	130.30	121.67
1	56	172	PHE	N-CA-C	6.85	125.38	110.80
1	6A	147	ARG	CA-C-O	6.85	130.30	121.67
1	6A	172	PHE	N-CA-C	6.85	125.38	110.80
1	6M	24	VAL	CA-CB-CG2	6.85	122.04	110.40
1	6U	24	VAL	CA-CB-CG2	6.85	122.04	110.40
1	7E	24	VAL	CA-CB-CG2	6.85	122.04	110.40
1	7Q	24	VAL	CA-CB-CG2	6.85	122.04	110.40
2	1F	131	PRO	N-CA-CB	6.84	106.75	102.92
2	2N	131	PRO	N-CA-CB	6.84	106.75	102.92
2	23	131	PRO	N-CA-CB	6.84	106.75	102.92
2	3N	131	PRO	N-CA-CB	6.84	106.75	102.92
2	37	131	PRO	N-CA-CB	6.84	106.75	102.92
2	4J	131	PRO	N-CA-CB	6.84	106.75	102.92
2	4R	131	PRO	N-CA-CB	6.84	106.75	102.92
2	5Z	131	PRO	N-CA-CB	6.84	106.75	102.92
2	6F	131	PRO	N-CA-CB	6.84	106.75	102.92
2	6Z	131	PRO	N-CA-CB	6.84	106.75	102.92
2	7J	131	PRO	N-CA-CB	6.84	106.75	102.92
2	7V	131	PRO	N-CA-CB	6.84	106.75	102.92
2	1R	32	SER	CB-CA-C	-6.84	102.21	110.08
2	1R	72	ARG	N-CA-CB	-6.84	98.87	110.50
2	1V	32	SER	CB-CA-C	-6.84	102.21	110.08
2	1V	72	ARG	N-CA-CB	-6.84	98.87	110.50
2	1Z	32	SER	CB-CA-C	-6.84	102.21	110.08
2	1Z	72	ARG	N-CA-CB	-6.84	98.87	110.50
2	2R	32	SER	CB-CA-C	-6.84	102.21	110.08
2	2R	72	ARG	N-CA-CB	-6.84	98.87	110.50
2	2V	32	SER	CB-CA-C	-6.84	102.21	110.08
2	2V	72	ARG	N-CA-CB	-6.84	98.87	110.50
2	2Z	32	SER	CB-CA-C	-6.84	102.21	110.08
2	2Z	72	ARG	N-CA-CB	-6.84	98.87	110.50
2	43	32	SER	CB-CA-C	-6.84	102.21	110.08
2	43	72	ARG	N-CA-CB	-6.84	98.87	110.50
2	47	32	SER	CB-CA-C	-6.84	102.21	110.08
2	47	72	ARG	N-CA-CB	-6.84	98.87	110.50
2	5B	32	SER	CB-CA-C	-6.84	102.21	110.08
2	5B	72	ARG	N-CA-CB	-6.84	98.87	110.50
2	53	32	SER	CB-CA-C	-6.84	102.21	110.08
2	53	72	ARG	N-CA-CB	-6.84	98.87	110.50
2	57	32	SER	CB-CA-C	-6.84	102.21	110.08
2	57	72	ARG	N-CA-CB	-6.84	98.87	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6B	32	SER	CB-CA-C	-6.84	102.21	110.08
2	6B	72	ARG	N-CA-CB	-6.84	98.87	110.50
2	1B	70	TRP	CA-C-O	-6.84	113.43	121.16
2	1J	70	TRP	CA-C-O	-6.84	113.43	121.16
2	13	69	SER	N-CA-CB	6.84	121.75	110.39
2	17	69	SER	N-CA-CB	6.84	121.75	110.39
2	2B	69	SER	N-CA-CB	6.84	121.75	110.39
2	2F	70	TRP	CA-C-O	-6.84	113.43	121.16
2	27	70	TRP	CA-C-O	-6.84	113.43	121.16
2	3F	70	TRP	CA-C-O	-6.84	113.43	121.16
2	3R	69	SER	N-CA-CB	6.84	121.75	110.39
2	3V	69	SER	N-CA-CB	6.84	121.75	110.39
2	3Z	69	SER	N-CA-CB	6.84	121.75	110.39
2	4B	70	TRP	CA-C-O	-6.84	113.43	121.16
2	4N	70	TRP	CA-C-O	-6.84	113.43	121.16
2	4V	70	TRP	CA-C-O	-6.84	113.43	121.16
2	5F	69	SER	N-CA-CB	6.84	121.75	110.39
2	5J	69	SER	N-CA-CB	6.84	121.75	110.39
2	5N	69	SER	N-CA-CB	6.84	121.75	110.39
2	5R	70	TRP	CA-C-O	-6.84	113.43	121.16
2	6J	70	TRP	CA-C-O	-6.84	113.43	121.16
2	6R	70	TRP	CA-C-O	-6.84	113.43	121.16
2	63	69	SER	N-CA-CB	6.84	121.75	110.39
2	67	69	SER	N-CA-CB	6.84	121.75	110.39
2	7B	69	SER	N-CA-CB	6.84	121.75	110.39
2	7N	70	TRP	CA-C-O	-6.84	113.43	121.16
2	1B	69	SER	N-CA-CB	6.84	121.75	110.39
2	1F	32	SER	CB-CA-C	-6.84	102.21	110.08
2	1J	69	SER	N-CA-CB	6.84	121.75	110.39
2	2F	69	SER	N-CA-CB	6.84	121.75	110.39
2	2N	32	SER	CB-CA-C	-6.84	102.21	110.08
2	23	32	SER	CB-CA-C	-6.84	102.21	110.08
2	27	69	SER	N-CA-CB	6.84	121.75	110.39
2	3F	69	SER	N-CA-CB	6.84	121.75	110.39
2	3N	32	SER	CB-CA-C	-6.84	102.21	110.08
2	37	32	SER	CB-CA-C	-6.84	102.21	110.08
2	4B	69	SER	N-CA-CB	6.84	121.75	110.39
2	4J	32	SER	CB-CA-C	-6.84	102.21	110.08
2	4N	69	SER	N-CA-CB	6.84	121.75	110.39
2	4R	32	SER	CB-CA-C	-6.84	102.21	110.08
2	4V	69	SER	N-CA-CB	6.84	121.75	110.39
2	5R	69	SER	N-CA-CB	6.84	121.75	110.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5Z	32	SER	CB-CA-C	-6.84	102.21	110.08
2	6F	32	SER	CB-CA-C	-6.84	102.21	110.08
2	6J	69	SER	N-CA-CB	6.84	121.75	110.39
2	6R	69	SER	N-CA-CB	6.84	121.75	110.39
2	6Z	32	SER	CB-CA-C	-6.84	102.21	110.08
2	7J	32	SER	CB-CA-C	-6.84	102.21	110.08
2	7N	69	SER	N-CA-CB	6.84	121.75	110.39
2	7V	32	SER	CB-CA-C	-6.84	102.21	110.08
1	1A	172	PHE	N-CA-C	6.84	125.36	110.80
1	1E	180	VAL	CB-CA-C	6.84	121.96	110.95
1	1I	172	PHE	N-CA-C	6.84	125.36	110.80
1	2E	172	PHE	N-CA-C	6.84	125.36	110.80
1	2M	180	VAL	CB-CA-C	6.84	121.96	110.95
1	22	180	VAL	CB-CA-C	6.84	121.96	110.95
1	26	172	PHE	N-CA-C	6.84	125.36	110.80
1	3E	172	PHE	N-CA-C	6.84	125.36	110.80
1	3M	180	VAL	CB-CA-C	6.84	121.96	110.95
1	36	180	VAL	CB-CA-C	6.84	121.96	110.95
1	4A	172	PHE	N-CA-C	6.84	125.36	110.80
1	4I	180	VAL	CB-CA-C	6.84	121.96	110.95
1	4M	172	PHE	N-CA-C	6.84	125.36	110.80
1	4Q	180	VAL	CB-CA-C	6.84	121.96	110.95
1	4U	172	PHE	N-CA-C	6.84	125.36	110.80
1	5Q	172	PHE	N-CA-C	6.84	125.36	110.80
1	5Y	180	VAL	CB-CA-C	6.84	121.96	110.95
1	6E	180	VAL	CB-CA-C	6.84	121.96	110.95
1	6I	172	PHE	N-CA-C	6.84	125.36	110.80
1	6Q	172	PHE	N-CA-C	6.84	125.36	110.80
1	6Y	180	VAL	CB-CA-C	6.84	121.96	110.95
1	7I	180	VAL	CB-CA-C	6.84	121.96	110.95
1	7M	172	PHE	N-CA-C	6.84	125.36	110.80
1	7U	180	VAL	CB-CA-C	6.84	121.96	110.95
1	1A	144	VAL	N-CA-CB	-6.84	93.09	111.75
1	1I	144	VAL	N-CA-CB	-6.84	93.09	111.75
1	12	144	VAL	N-CA-CB	-6.84	93.08	111.75
1	16	144	VAL	N-CA-CB	-6.84	93.08	111.75
1	2A	144	VAL	N-CA-CB	-6.84	93.08	111.75
1	2E	144	VAL	N-CA-CB	-6.84	93.09	111.75
1	26	144	VAL	N-CA-CB	-6.84	93.09	111.75
1	3E	144	VAL	N-CA-CB	-6.84	93.09	111.75
1	3Q	144	VAL	N-CA-CB	-6.84	93.08	111.75
1	3U	144	VAL	N-CA-CB	-6.84	93.08	111.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Y	144	VAL	N-CA-CB	-6.84	93.08	111.75
1	4A	144	VAL	N-CA-CB	-6.84	93.09	111.75
1	4M	144	VAL	N-CA-CB	-6.84	93.09	111.75
1	4U	144	VAL	N-CA-CB	-6.84	93.09	111.75
1	5E	144	VAL	N-CA-CB	-6.84	93.08	111.75
1	5I	144	VAL	N-CA-CB	-6.84	93.08	111.75
1	5M	144	VAL	N-CA-CB	-6.84	93.08	111.75
1	5Q	144	VAL	N-CA-CB	-6.84	93.09	111.75
1	6I	144	VAL	N-CA-CB	-6.84	93.09	111.75
1	6Q	144	VAL	N-CA-CB	-6.84	93.09	111.75
1	62	144	VAL	N-CA-CB	-6.84	93.08	111.75
1	66	144	VAL	N-CA-CB	-6.84	93.08	111.75
1	7A	144	VAL	N-CA-CB	-6.84	93.08	111.75
1	7M	144	VAL	N-CA-CB	-6.84	93.09	111.75
1	1E	172	PHE	N-CA-C	6.83	125.36	110.80
1	12	172	PHE	N-CA-C	6.83	125.36	110.80
2	13	70	TRP	CA-C-O	-6.83	113.44	121.16
1	16	172	PHE	N-CA-C	6.83	125.36	110.80
2	17	70	TRP	CA-C-O	-6.83	113.44	121.16
1	2A	172	PHE	N-CA-C	6.83	125.36	110.80
2	2B	70	TRP	CA-C-O	-6.83	113.44	121.16
1	2M	172	PHE	N-CA-C	6.83	125.36	110.80
1	22	172	PHE	N-CA-C	6.83	125.36	110.80
1	3M	172	PHE	N-CA-C	6.83	125.36	110.80
1	3Q	172	PHE	N-CA-C	6.83	125.36	110.80
2	3R	70	TRP	CA-C-O	-6.83	113.44	121.16
1	3U	172	PHE	N-CA-C	6.83	125.36	110.80
2	3V	70	TRP	CA-C-O	-6.83	113.44	121.16
1	3Y	172	PHE	N-CA-C	6.83	125.36	110.80
2	3Z	70	TRP	CA-C-O	-6.83	113.44	121.16
1	36	172	PHE	N-CA-C	6.83	125.36	110.80
1	4I	172	PHE	N-CA-C	6.83	125.36	110.80
1	4Q	172	PHE	N-CA-C	6.83	125.36	110.80
1	5E	172	PHE	N-CA-C	6.83	125.36	110.80
2	5F	70	TRP	CA-C-O	-6.83	113.44	121.16
1	5I	172	PHE	N-CA-C	6.83	125.36	110.80
2	5J	70	TRP	CA-C-O	-6.83	113.44	121.16
1	5M	172	PHE	N-CA-C	6.83	125.36	110.80
2	5N	70	TRP	CA-C-O	-6.83	113.44	121.16
1	5Y	172	PHE	N-CA-C	6.83	125.36	110.80
1	6E	172	PHE	N-CA-C	6.83	125.36	110.80
1	6Y	172	PHE	N-CA-C	6.83	125.36	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	62	172	PHE	N-CA-C	6.83	125.36	110.80
2	63	70	TRP	CA-C-O	-6.83	113.44	121.16
1	66	172	PHE	N-CA-C	6.83	125.36	110.80
2	67	70	TRP	CA-C-O	-6.83	113.44	121.16
1	7A	172	PHE	N-CA-C	6.83	125.36	110.80
2	7B	70	TRP	CA-C-O	-6.83	113.44	121.16
1	7I	172	PHE	N-CA-C	6.83	125.36	110.80
1	7U	172	PHE	N-CA-C	6.83	125.36	110.80
2	1B	32	SER	CB-CA-C	-6.83	102.22	110.08
1	1E	176	THR	O-C-N	6.83	130.91	122.92
2	1J	32	SER	CB-CA-C	-6.83	102.22	110.08
1	1M	144	VAL	N-CA-CB	-6.83	93.10	111.75
2	2F	32	SER	CB-CA-C	-6.83	102.22	110.08
1	2I	144	VAL	N-CA-CB	-6.83	93.10	111.75
1	2M	176	THR	O-C-N	6.83	130.91	122.92
1	22	176	THR	O-C-N	6.83	130.91	122.92
2	27	32	SER	CB-CA-C	-6.83	102.22	110.08
1	3A	144	VAL	N-CA-CB	-6.83	93.10	111.75
2	3F	32	SER	CB-CA-C	-6.83	102.22	110.08
1	3I	144	VAL	N-CA-CB	-6.83	93.10	111.75
1	3M	176	THR	O-C-N	6.83	130.91	122.92
1	32	144	VAL	N-CA-CB	-6.83	93.10	111.75
1	36	176	THR	O-C-N	6.83	130.91	122.92
2	4B	32	SER	CB-CA-C	-6.83	102.22	110.08
1	4E	144	VAL	N-CA-CB	-6.83	93.10	111.75
1	4I	176	THR	O-C-N	6.83	130.91	122.92
2	4N	32	SER	CB-CA-C	-6.83	102.22	110.08
1	4Q	176	THR	O-C-N	6.83	130.91	122.92
2	4V	32	SER	CB-CA-C	-6.83	102.22	110.08
1	4Y	144	VAL	N-CA-CB	-6.83	93.10	111.75
2	5R	32	SER	CB-CA-C	-6.83	102.22	110.08
1	5U	144	VAL	N-CA-CB	-6.83	93.10	111.75
1	5Y	176	THR	O-C-N	6.83	130.91	122.92
1	6E	176	THR	O-C-N	6.83	130.91	122.92
2	6J	32	SER	CB-CA-C	-6.83	102.22	110.08
1	6M	144	VAL	N-CA-CB	-6.83	93.10	111.75
2	6R	32	SER	CB-CA-C	-6.83	102.22	110.08
1	6U	144	VAL	N-CA-CB	-6.83	93.10	111.75
1	6Y	176	THR	O-C-N	6.83	130.91	122.92
1	7E	144	VAL	N-CA-CB	-6.83	93.10	111.75
1	7I	176	THR	O-C-N	6.83	130.91	122.92
2	7N	32	SER	CB-CA-C	-6.83	102.22	110.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	144	VAL	N-CA-CB	-6.83	93.10	111.75
1	7U	176	THR	O-C-N	6.83	130.91	122.92
1	1E	147	ARG	CA-C-O	6.83	130.28	121.67
2	1F	54	ASN	CA-C-O	6.83	124.97	118.34
2	1F	69	SER	N-CA-CB	6.83	121.73	110.39
1	2M	147	ARG	CA-C-O	6.83	130.28	121.67
2	2N	54	ASN	CA-C-O	6.83	124.97	118.34
2	2N	69	SER	N-CA-CB	6.83	121.73	110.39
1	22	147	ARG	CA-C-O	6.83	130.28	121.67
2	23	54	ASN	CA-C-O	6.83	124.97	118.34
2	23	69	SER	N-CA-CB	6.83	121.73	110.39
1	3M	147	ARG	CA-C-O	6.83	130.28	121.67
2	3N	54	ASN	CA-C-O	6.83	124.97	118.34
2	3N	69	SER	N-CA-CB	6.83	121.73	110.39
1	36	147	ARG	CA-C-O	6.83	130.28	121.67
2	37	54	ASN	CA-C-O	6.83	124.97	118.34
2	37	69	SER	N-CA-CB	6.83	121.73	110.39
1	4I	147	ARG	CA-C-O	6.83	130.28	121.67
2	4J	54	ASN	CA-C-O	6.83	124.97	118.34
2	4J	69	SER	N-CA-CB	6.83	121.73	110.39
1	4Q	147	ARG	CA-C-O	6.83	130.28	121.67
2	4R	54	ASN	CA-C-O	6.83	124.97	118.34
2	4R	69	SER	N-CA-CB	6.83	121.73	110.39
1	5Y	147	ARG	CA-C-O	6.83	130.28	121.67
2	5Z	54	ASN	CA-C-O	6.83	124.97	118.34
2	5Z	69	SER	N-CA-CB	6.83	121.73	110.39
1	6E	147	ARG	CA-C-O	6.83	130.28	121.67
2	6F	54	ASN	CA-C-O	6.83	124.97	118.34
2	6F	69	SER	N-CA-CB	6.83	121.73	110.39
1	6Y	147	ARG	CA-C-O	6.83	130.28	121.67
2	6Z	54	ASN	CA-C-O	6.83	124.97	118.34
2	6Z	69	SER	N-CA-CB	6.83	121.73	110.39
1	7I	147	ARG	CA-C-O	6.83	130.28	121.67
2	7J	54	ASN	CA-C-O	6.83	124.97	118.34
2	7J	69	SER	N-CA-CB	6.83	121.73	110.39
1	7U	147	ARG	CA-C-O	6.83	130.28	121.67
2	7V	54	ASN	CA-C-O	6.83	124.97	118.34
2	7V	69	SER	N-CA-CB	6.83	121.73	110.39
1	1M	183	GLN	N-CA-C	-6.83	91.88	111.00
2	1N	32	SER	CB-CA-C	-6.83	102.23	110.08
2	1N	70	TRP	CA-C-O	-6.83	113.44	121.16
1	2I	183	GLN	N-CA-C	-6.83	91.88	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2J	32	SER	CB-CA-C	-6.83	102.23	110.08
2	2J	70	TRP	CA-C-O	-6.83	113.44	121.16
1	3A	183	GLN	N-CA-C	-6.83	91.88	111.00
2	3B	32	SER	CB-CA-C	-6.83	102.23	110.08
2	3B	70	TRP	CA-C-O	-6.83	113.44	121.16
1	3I	183	GLN	N-CA-C	-6.83	91.88	111.00
2	3J	32	SER	CB-CA-C	-6.83	102.23	110.08
2	3J	70	TRP	CA-C-O	-6.83	113.44	121.16
1	32	183	GLN	N-CA-C	-6.83	91.88	111.00
2	33	32	SER	CB-CA-C	-6.83	102.23	110.08
2	33	70	TRP	CA-C-O	-6.83	113.44	121.16
1	4E	183	GLN	N-CA-C	-6.83	91.88	111.00
2	4F	32	SER	CB-CA-C	-6.83	102.23	110.08
2	4F	70	TRP	CA-C-O	-6.83	113.44	121.16
1	4Y	183	GLN	N-CA-C	-6.83	91.88	111.00
2	4Z	32	SER	CB-CA-C	-6.83	102.23	110.08
2	4Z	70	TRP	CA-C-O	-6.83	113.44	121.16
1	5U	183	GLN	N-CA-C	-6.83	91.88	111.00
2	5V	32	SER	CB-CA-C	-6.83	102.23	110.08
2	5V	70	TRP	CA-C-O	-6.83	113.44	121.16
1	6M	183	GLN	N-CA-C	-6.83	91.88	111.00
2	6N	32	SER	CB-CA-C	-6.83	102.23	110.08
2	6N	70	TRP	CA-C-O	-6.83	113.44	121.16
1	6U	183	GLN	N-CA-C	-6.83	91.88	111.00
2	6V	32	SER	CB-CA-C	-6.83	102.23	110.08
2	6V	70	TRP	CA-C-O	-6.83	113.44	121.16
1	7E	183	GLN	N-CA-C	-6.83	91.88	111.00
2	7F	32	SER	CB-CA-C	-6.83	102.23	110.08
2	7F	70	TRP	CA-C-O	-6.83	113.44	121.16
1	7Q	183	GLN	N-CA-C	-6.83	91.88	111.00
2	7R	32	SER	CB-CA-C	-6.83	102.23	110.08
2	7R	70	TRP	CA-C-O	-6.83	113.44	121.16
2	1N	10	GLN	OE1-CD-NE2	6.83	129.43	122.60
1	1Q	144	VAL	N-CA-CB	-6.83	93.11	111.75
1	1U	144	VAL	N-CA-CB	-6.83	93.11	111.75
1	1Y	144	VAL	N-CA-CB	-6.83	93.11	111.75
2	2J	10	GLN	OE1-CD-NE2	6.83	129.43	122.60
1	2Q	144	VAL	N-CA-CB	-6.83	93.11	111.75
1	2U	144	VAL	N-CA-CB	-6.83	93.11	111.75
1	2Y	144	VAL	N-CA-CB	-6.83	93.11	111.75
2	3B	10	GLN	OE1-CD-NE2	6.83	129.43	122.60
2	3J	10	GLN	OE1-CD-NE2	6.83	129.43	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	10	GLN	OE1-CD-NE2	6.83	129.43	122.60
2	4F	10	GLN	OE1-CD-NE2	6.83	129.43	122.60
2	4Z	10	GLN	OE1-CD-NE2	6.83	129.43	122.60
1	42	144	VAL	N-CA-CB	-6.83	93.11	111.75
1	46	144	VAL	N-CA-CB	-6.83	93.11	111.75
1	5A	144	VAL	N-CA-CB	-6.83	93.11	111.75
2	5V	10	GLN	OE1-CD-NE2	6.83	129.43	122.60
1	52	144	VAL	N-CA-CB	-6.83	93.11	111.75
1	56	144	VAL	N-CA-CB	-6.83	93.11	111.75
1	6A	144	VAL	N-CA-CB	-6.83	93.11	111.75
2	6N	10	GLN	OE1-CD-NE2	6.83	129.43	122.60
2	6V	10	GLN	OE1-CD-NE2	6.83	129.43	122.60
2	7F	10	GLN	OE1-CD-NE2	6.83	129.43	122.60
2	7R	10	GLN	OE1-CD-NE2	6.83	129.43	122.60
1	1A	147	ARG	CA-C-O	6.82	130.27	121.67
4	1D	31	ASP	CB-CA-C	-6.82	98.09	109.55
1	1I	147	ARG	CA-C-O	6.82	130.27	121.67
4	1L	31	ASP	CB-CA-C	-6.82	98.09	109.55
1	1M	147	ARG	CA-C-O	6.82	130.27	121.67
1	2E	147	ARG	CA-C-O	6.82	130.27	121.67
4	2H	31	ASP	CB-CA-C	-6.82	98.09	109.55
1	2I	147	ARG	CA-C-O	6.82	130.27	121.67
1	26	147	ARG	CA-C-O	6.82	130.27	121.67
4	29	31	ASP	CB-CA-C	-6.82	98.09	109.55
1	3A	147	ARG	CA-C-O	6.82	130.27	121.67
1	3E	147	ARG	CA-C-O	6.82	130.27	121.67
4	3H	31	ASP	CB-CA-C	-6.82	98.09	109.55
1	3I	147	ARG	CA-C-O	6.82	130.27	121.67
1	32	147	ARG	CA-C-O	6.82	130.27	121.67
1	4A	147	ARG	CA-C-O	6.82	130.27	121.67
4	4D	31	ASP	CB-CA-C	-6.82	98.09	109.55
1	4E	147	ARG	CA-C-O	6.82	130.27	121.67
1	4M	147	ARG	CA-C-O	6.82	130.27	121.67
4	4P	31	ASP	CB-CA-C	-6.82	98.09	109.55
1	4U	147	ARG	CA-C-O	6.82	130.27	121.67
4	4X	31	ASP	CB-CA-C	-6.82	98.09	109.55
1	4Y	147	ARG	CA-C-O	6.82	130.27	121.67
1	5Q	147	ARG	CA-C-O	6.82	130.27	121.67
4	5T	31	ASP	CB-CA-C	-6.82	98.09	109.55
1	5U	147	ARG	CA-C-O	6.82	130.27	121.67
1	6I	147	ARG	CA-C-O	6.82	130.27	121.67
4	6L	31	ASP	CB-CA-C	-6.82	98.09	109.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6M	147	ARG	CA-C-O	6.82	130.27	121.67
1	6Q	147	ARG	CA-C-O	6.82	130.27	121.67
4	6T	31	ASP	CB-CA-C	-6.82	98.09	109.55
1	6U	147	ARG	CA-C-O	6.82	130.27	121.67
1	7E	147	ARG	CA-C-O	6.82	130.27	121.67
1	7M	147	ARG	CA-C-O	6.82	130.27	121.67
4	7P	31	ASP	CB-CA-C	-6.82	98.09	109.55
1	7Q	147	ARG	CA-C-O	6.82	130.27	121.67
1	1Q	183	GLN	N-CA-C	-6.82	91.90	111.00
1	1U	183	GLN	N-CA-C	-6.82	91.90	111.00
1	1Y	183	GLN	N-CA-C	-6.82	91.90	111.00
1	2Q	183	GLN	N-CA-C	-6.82	91.90	111.00
1	2U	183	GLN	N-CA-C	-6.82	91.90	111.00
1	2Y	183	GLN	N-CA-C	-6.82	91.90	111.00
1	42	183	GLN	N-CA-C	-6.82	91.90	111.00
1	46	183	GLN	N-CA-C	-6.82	91.90	111.00
1	5A	183	GLN	N-CA-C	-6.82	91.90	111.00
1	52	183	GLN	N-CA-C	-6.82	91.90	111.00
1	56	183	GLN	N-CA-C	-6.82	91.90	111.00
1	6A	183	GLN	N-CA-C	-6.82	91.90	111.00
2	1B	54	ASN	CA-C-O	6.82	124.95	118.34
2	1J	54	ASN	CA-C-O	6.82	124.95	118.34
4	1T	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	1X	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	11	31	ASP	CB-CA-C	-6.82	98.09	109.55
2	2F	54	ASN	CA-C-O	6.82	124.95	118.34
4	2T	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	2X	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	21	31	ASP	CB-CA-C	-6.82	98.09	109.55
2	27	54	ASN	CA-C-O	6.82	124.95	118.34
2	3F	54	ASN	CA-C-O	6.82	124.95	118.34
2	4B	54	ASN	CA-C-O	6.82	124.95	118.34
2	4N	54	ASN	CA-C-O	6.82	124.95	118.34
2	4V	54	ASN	CA-C-O	6.82	124.95	118.34
4	45	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	49	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	5D	31	ASP	CB-CA-C	-6.82	98.09	109.55
2	5R	54	ASN	CA-C-O	6.82	124.95	118.34
4	55	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	59	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	6D	31	ASP	CB-CA-C	-6.82	98.09	109.55
2	6J	54	ASN	CA-C-O	6.82	124.95	118.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	54	ASN	CA-C-O	6.82	124.95	118.34
2	7N	54	ASN	CA-C-O	6.82	124.95	118.34
1	1A	183	GLN	N-CA-C	-6.82	91.91	111.00
1	1E	183	GLN	N-CA-C	-6.82	91.91	111.00
1	1I	183	GLN	N-CA-C	-6.82	91.91	111.00
2	1N	54	ASN	CA-C-O	6.82	124.95	118.34
4	15	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	19	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	2D	31	ASP	CB-CA-C	-6.82	98.09	109.55
1	2E	183	GLN	N-CA-C	-6.82	91.91	111.00
2	2J	54	ASN	CA-C-O	6.82	124.95	118.34
1	2M	183	GLN	N-CA-C	-6.82	91.91	111.00
1	22	183	GLN	N-CA-C	-6.82	91.91	111.00
1	26	183	GLN	N-CA-C	-6.82	91.91	111.00
2	3B	54	ASN	CA-C-O	6.82	124.95	118.34
1	3E	183	GLN	N-CA-C	-6.82	91.91	111.00
2	3J	54	ASN	CA-C-O	6.82	124.95	118.34
1	3M	183	GLN	N-CA-C	-6.82	91.91	111.00
4	3T	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	3X	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	31	31	ASP	CB-CA-C	-6.82	98.09	109.55
2	33	54	ASN	CA-C-O	6.82	124.95	118.34
1	36	183	GLN	N-CA-C	-6.82	91.91	111.00
1	4A	183	GLN	N-CA-C	-6.82	91.91	111.00
2	4F	54	ASN	CA-C-O	6.82	124.95	118.34
1	4I	183	GLN	N-CA-C	-6.82	91.91	111.00
1	4M	183	GLN	N-CA-C	-6.82	91.91	111.00
1	4Q	183	GLN	N-CA-C	-6.82	91.91	111.00
1	4U	183	GLN	N-CA-C	-6.82	91.91	111.00
2	4Z	54	ASN	CA-C-O	6.82	124.95	118.34
4	5H	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	5L	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	5P	31	ASP	CB-CA-C	-6.82	98.09	109.55
1	5Q	183	GLN	N-CA-C	-6.82	91.91	111.00
2	5V	54	ASN	CA-C-O	6.82	124.95	118.34
1	5Y	183	GLN	N-CA-C	-6.82	91.91	111.00
1	6E	183	GLN	N-CA-C	-6.82	91.91	111.00
1	6I	183	GLN	N-CA-C	-6.82	91.91	111.00
2	6N	54	ASN	CA-C-O	6.82	124.95	118.34
1	6Q	183	GLN	N-CA-C	-6.82	91.91	111.00
2	6V	54	ASN	CA-C-O	6.82	124.95	118.34
1	6Y	183	GLN	N-CA-C	-6.82	91.91	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	65	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	69	31	ASP	CB-CA-C	-6.82	98.09	109.55
4	7D	31	ASP	CB-CA-C	-6.82	98.09	109.55
2	7F	54	ASN	CA-C-O	6.82	124.95	118.34
1	7I	183	GLN	N-CA-C	-6.82	91.91	111.00
1	7M	183	GLN	N-CA-C	-6.82	91.91	111.00
2	7R	54	ASN	CA-C-O	6.82	124.95	118.34
1	7U	183	GLN	N-CA-C	-6.82	91.91	111.00
4	1P	31	ASP	CB-CA-C	-6.82	98.10	109.55
1	12	183	GLN	N-CA-C	-6.82	91.91	111.00
1	16	183	GLN	N-CA-C	-6.82	91.91	111.00
1	2A	183	GLN	N-CA-C	-6.82	91.91	111.00
4	2L	31	ASP	CB-CA-C	-6.82	98.10	109.55
4	3D	31	ASP	CB-CA-C	-6.82	98.10	109.55
4	3L	31	ASP	CB-CA-C	-6.82	98.10	109.55
1	3Q	183	GLN	N-CA-C	-6.82	91.91	111.00
1	3U	183	GLN	N-CA-C	-6.82	91.91	111.00
1	3Y	183	GLN	N-CA-C	-6.82	91.91	111.00
4	35	31	ASP	CB-CA-C	-6.82	98.10	109.55
4	4H	31	ASP	CB-CA-C	-6.82	98.10	109.55
4	41	31	ASP	CB-CA-C	-6.82	98.10	109.55
1	5E	183	GLN	N-CA-C	-6.82	91.91	111.00
1	5I	183	GLN	N-CA-C	-6.82	91.91	111.00
1	5M	183	GLN	N-CA-C	-6.82	91.91	111.00
4	5X	31	ASP	CB-CA-C	-6.82	98.10	109.55
4	6P	31	ASP	CB-CA-C	-6.82	98.10	109.55
4	6X	31	ASP	CB-CA-C	-6.82	98.10	109.55
1	62	183	GLN	N-CA-C	-6.82	91.91	111.00
1	66	183	GLN	N-CA-C	-6.82	91.91	111.00
1	7A	183	GLN	N-CA-C	-6.82	91.91	111.00
4	7H	31	ASP	CB-CA-C	-6.82	98.10	109.55
4	7T	31	ASP	CB-CA-C	-6.82	98.10	109.55
1	1M	172	PHE	N-CA-C	6.82	125.32	110.80
1	2I	172	PHE	N-CA-C	6.82	125.32	110.80
1	3A	172	PHE	N-CA-C	6.82	125.32	110.80
1	3I	172	PHE	N-CA-C	6.82	125.32	110.80
1	32	172	PHE	N-CA-C	6.82	125.32	110.80
1	4E	172	PHE	N-CA-C	6.82	125.32	110.80
1	4Y	172	PHE	N-CA-C	6.82	125.32	110.80
1	5U	172	PHE	N-CA-C	6.82	125.32	110.80
1	6M	172	PHE	N-CA-C	6.82	125.32	110.80
1	6U	172	PHE	N-CA-C	6.82	125.32	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	172	PHE	N-CA-C	6.82	125.32	110.80
1	7Q	172	PHE	N-CA-C	6.82	125.32	110.80
4	1H	31	ASP	CB-CA-C	-6.81	98.11	109.55
4	2P	31	ASP	CB-CA-C	-6.81	98.11	109.55
4	25	31	ASP	CB-CA-C	-6.81	98.11	109.55
4	3P	31	ASP	CB-CA-C	-6.81	98.11	109.55
4	39	31	ASP	CB-CA-C	-6.81	98.11	109.55
4	4L	31	ASP	CB-CA-C	-6.81	98.11	109.55
4	4T	31	ASP	CB-CA-C	-6.81	98.11	109.55
4	51	31	ASP	CB-CA-C	-6.81	98.11	109.55
4	6H	31	ASP	CB-CA-C	-6.81	98.11	109.55
4	61	31	ASP	CB-CA-C	-6.81	98.11	109.55
4	7L	31	ASP	CB-CA-C	-6.81	98.11	109.55
4	7X	31	ASP	CB-CA-C	-6.81	98.11	109.55
2	1N	47	ASP	O-C-N	-6.81	115.03	122.79
1	12	91	PRO	O-C-N	-6.81	114.97	123.21
2	13	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
1	16	91	PRO	O-C-N	-6.81	114.97	123.21
2	17	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
1	2A	91	PRO	O-C-N	-6.81	114.97	123.21
2	2B	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	2J	47	ASP	O-C-N	-6.81	115.03	122.79
2	3B	47	ASP	O-C-N	-6.81	115.03	122.79
2	3J	47	ASP	O-C-N	-6.81	115.03	122.79
1	3Q	91	PRO	O-C-N	-6.81	114.97	123.21
2	3R	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
1	3U	91	PRO	O-C-N	-6.81	114.97	123.21
2	3V	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
1	3Y	91	PRO	O-C-N	-6.81	114.97	123.21
2	3Z	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	33	47	ASP	O-C-N	-6.81	115.03	122.79
2	4F	47	ASP	O-C-N	-6.81	115.03	122.79
2	4Z	47	ASP	O-C-N	-6.81	115.03	122.79
1	5E	91	PRO	O-C-N	-6.81	114.97	123.21
2	5F	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
1	5I	91	PRO	O-C-N	-6.81	114.97	123.21
2	5J	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
1	5M	91	PRO	O-C-N	-6.81	114.97	123.21
2	5N	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	5V	47	ASP	O-C-N	-6.81	115.03	122.79
2	6N	47	ASP	O-C-N	-6.81	115.03	122.79
2	6V	47	ASP	O-C-N	-6.81	115.03	122.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	62	91	PRO	O-C-N	-6.81	114.97	123.21
2	63	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
1	66	91	PRO	O-C-N	-6.81	114.97	123.21
2	67	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
1	7A	91	PRO	O-C-N	-6.81	114.97	123.21
2	7B	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	7F	47	ASP	O-C-N	-6.81	115.03	122.79
2	7R	47	ASP	O-C-N	-6.81	115.03	122.79
2	1F	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	2N	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	23	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	3N	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	37	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	4J	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	4R	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	5Z	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	6F	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	6Z	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	7J	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
2	7V	23	HIS	CB-CG-ND1	-6.81	112.49	122.70
1	1E	50	ARG	O-C-N	-6.80	113.54	122.59
1	2M	50	ARG	O-C-N	-6.80	113.54	122.59
1	22	50	ARG	O-C-N	-6.80	113.54	122.59
1	3M	50	ARG	O-C-N	-6.80	113.54	122.59
1	36	50	ARG	O-C-N	-6.80	113.54	122.59
1	4I	50	ARG	O-C-N	-6.80	113.54	122.59
1	4Q	50	ARG	O-C-N	-6.80	113.54	122.59
1	5Y	50	ARG	O-C-N	-6.80	113.54	122.59
1	6E	50	ARG	O-C-N	-6.80	113.54	122.59
1	6Y	50	ARG	O-C-N	-6.80	113.54	122.59
1	7I	50	ARG	O-C-N	-6.80	113.54	122.59
1	7U	50	ARG	O-C-N	-6.80	113.54	122.59
2	1R	73	GLY	N-CA-C	6.80	126.00	113.76
2	1V	73	GLY	N-CA-C	6.80	126.00	113.76
2	1Z	73	GLY	N-CA-C	6.80	126.00	113.76
2	2R	73	GLY	N-CA-C	6.80	126.00	113.76
2	2V	73	GLY	N-CA-C	6.80	126.00	113.76
2	2Z	73	GLY	N-CA-C	6.80	126.00	113.76
2	43	73	GLY	N-CA-C	6.80	126.00	113.76
2	47	73	GLY	N-CA-C	6.80	126.00	113.76
2	5B	73	GLY	N-CA-C	6.80	126.00	113.76
2	53	73	GLY	N-CA-C	6.80	126.00	113.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	73	GLY	N-CA-C	6.80	126.00	113.76
2	6B	73	GLY	N-CA-C	6.80	126.00	113.76
1	1Q	176	THR	O-C-N	6.80	130.88	122.92
1	1U	176	THR	O-C-N	6.80	130.88	122.92
1	1Y	176	THR	O-C-N	6.80	130.88	122.92
1	2Q	176	THR	O-C-N	6.80	130.88	122.92
1	2U	176	THR	O-C-N	6.80	130.88	122.92
1	2Y	176	THR	O-C-N	6.80	130.88	122.92
1	42	176	THR	O-C-N	6.80	130.88	122.92
1	46	176	THR	O-C-N	6.80	130.88	122.92
1	5A	176	THR	O-C-N	6.80	130.88	122.92
1	52	176	THR	O-C-N	6.80	130.88	122.92
1	56	176	THR	O-C-N	6.80	130.88	122.92
1	6A	176	THR	O-C-N	6.80	130.88	122.92
2	1B	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	1J	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	1R	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	1V	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	1Z	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	2F	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	2R	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	2V	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	2Z	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	27	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	3F	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	4B	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	4N	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	4V	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	43	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	47	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	5B	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	5R	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	53	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	57	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	6B	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	6J	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	6R	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
2	7N	23	HIS	CB-CG-ND1	-6.80	112.50	122.70
1	12	50	ARG	O-C-N	-6.80	113.55	122.59
1	16	50	ARG	O-C-N	-6.80	113.55	122.59
1	2A	50	ARG	O-C-N	-6.80	113.55	122.59
1	3Q	50	ARG	O-C-N	-6.80	113.55	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	50	ARG	O-C-N	-6.80	113.55	122.59
1	3Y	50	ARG	O-C-N	-6.80	113.55	122.59
1	5E	50	ARG	O-C-N	-6.80	113.55	122.59
1	5I	50	ARG	O-C-N	-6.80	113.55	122.59
1	5M	50	ARG	O-C-N	-6.80	113.55	122.59
1	62	50	ARG	O-C-N	-6.80	113.55	122.59
1	66	50	ARG	O-C-N	-6.80	113.55	122.59
1	7A	50	ARG	O-C-N	-6.80	113.55	122.59
1	1M	9	PHE	CA-C-N	-6.79	110.16	122.12
1	1M	9	PHE	C-N-CA	-6.79	110.16	122.12
1	2I	9	PHE	CA-C-N	-6.79	110.16	122.12
1	2I	9	PHE	C-N-CA	-6.79	110.16	122.12
1	3A	9	PHE	CA-C-N	-6.79	110.16	122.12
1	3A	9	PHE	C-N-CA	-6.79	110.16	122.12
1	3I	9	PHE	CA-C-N	-6.79	110.16	122.12
1	3I	9	PHE	C-N-CA	-6.79	110.16	122.12
1	32	9	PHE	CA-C-N	-6.79	110.16	122.12
1	32	9	PHE	C-N-CA	-6.79	110.16	122.12
1	4E	9	PHE	CA-C-N	-6.79	110.16	122.12
1	4E	9	PHE	C-N-CA	-6.79	110.16	122.12
1	4Y	9	PHE	CA-C-N	-6.79	110.16	122.12
1	4Y	9	PHE	C-N-CA	-6.79	110.16	122.12
1	5U	9	PHE	CA-C-N	-6.79	110.16	122.12
1	5U	9	PHE	C-N-CA	-6.79	110.16	122.12
1	6M	9	PHE	CA-C-N	-6.79	110.16	122.12
1	6M	9	PHE	C-N-CA	-6.79	110.16	122.12
1	6U	9	PHE	CA-C-N	-6.79	110.16	122.12
1	6U	9	PHE	C-N-CA	-6.79	110.16	122.12
1	7E	9	PHE	CA-C-N	-6.79	110.16	122.12
1	7E	9	PHE	C-N-CA	-6.79	110.16	122.12
1	7Q	9	PHE	CA-C-N	-6.79	110.16	122.12
1	7Q	9	PHE	C-N-CA	-6.79	110.16	122.12
1	1A	91	PRO	O-C-N	-6.79	114.99	123.21
2	1F	47	ASP	O-C-N	-6.79	115.05	122.79
1	1I	91	PRO	O-C-N	-6.79	114.99	123.21
2	1N	69	SER	N-CA-CB	6.79	121.67	110.39
1	12	176	THR	O-C-N	6.79	130.87	122.92
1	16	176	THR	O-C-N	6.79	130.87	122.92
1	2A	176	THR	O-C-N	6.79	130.87	122.92
1	2E	91	PRO	O-C-N	-6.79	114.99	123.21
2	2J	69	SER	N-CA-CB	6.79	121.67	110.39
2	2N	47	ASP	O-C-N	-6.79	115.05	122.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	47	ASP	O-C-N	-6.79	115.05	122.79
1	26	91	PRO	O-C-N	-6.79	114.99	123.21
2	3B	69	SER	N-CA-CB	6.79	121.67	110.39
1	3E	91	PRO	O-C-N	-6.79	114.99	123.21
2	3J	69	SER	N-CA-CB	6.79	121.67	110.39
2	3N	47	ASP	O-C-N	-6.79	115.05	122.79
1	3Q	176	THR	O-C-N	6.79	130.87	122.92
1	3U	176	THR	O-C-N	6.79	130.87	122.92
1	3Y	176	THR	O-C-N	6.79	130.87	122.92
2	33	69	SER	N-CA-CB	6.79	121.67	110.39
2	37	47	ASP	O-C-N	-6.79	115.05	122.79
1	4A	91	PRO	O-C-N	-6.79	114.99	123.21
2	4F	69	SER	N-CA-CB	6.79	121.67	110.39
2	4J	47	ASP	O-C-N	-6.79	115.05	122.79
1	4M	91	PRO	O-C-N	-6.79	114.99	123.21
2	4R	47	ASP	O-C-N	-6.79	115.05	122.79
1	4U	91	PRO	O-C-N	-6.79	114.99	123.21
2	4Z	69	SER	N-CA-CB	6.79	121.67	110.39
1	5E	176	THR	O-C-N	6.79	130.87	122.92
1	5I	176	THR	O-C-N	6.79	130.87	122.92
1	5M	176	THR	O-C-N	6.79	130.87	122.92
1	5Q	91	PRO	O-C-N	-6.79	114.99	123.21
2	5V	69	SER	N-CA-CB	6.79	121.67	110.39
2	5Z	47	ASP	O-C-N	-6.79	115.05	122.79
2	6F	47	ASP	O-C-N	-6.79	115.05	122.79
1	6I	91	PRO	O-C-N	-6.79	114.99	123.21
2	6N	69	SER	N-CA-CB	6.79	121.67	110.39
1	6Q	91	PRO	O-C-N	-6.79	114.99	123.21
2	6V	69	SER	N-CA-CB	6.79	121.67	110.39
2	6Z	47	ASP	O-C-N	-6.79	115.05	122.79
1	62	176	THR	O-C-N	6.79	130.87	122.92
1	66	176	THR	O-C-N	6.79	130.87	122.92
1	7A	176	THR	O-C-N	6.79	130.87	122.92
2	7F	69	SER	N-CA-CB	6.79	121.67	110.39
2	7J	47	ASP	O-C-N	-6.79	115.05	122.79
1	7M	91	PRO	O-C-N	-6.79	114.99	123.21
2	7R	69	SER	N-CA-CB	6.79	121.67	110.39
2	7V	47	ASP	O-C-N	-6.79	115.05	122.79
2	1B	73	GLY	N-CA-C	6.79	125.98	113.76
2	1F	73	GLY	N-CA-C	6.79	125.98	113.76
2	1J	73	GLY	N-CA-C	6.79	125.98	113.76
2	1R	54	ASN	CA-C-O	6.79	124.93	118.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1V	54	ASN	CA-C-O	6.79	124.93	118.34
2	1Z	54	ASN	CA-C-O	6.79	124.93	118.34
2	2F	73	GLY	N-CA-C	6.79	125.98	113.76
2	2N	73	GLY	N-CA-C	6.79	125.98	113.76
2	2R	54	ASN	CA-C-O	6.79	124.93	118.34
2	2V	54	ASN	CA-C-O	6.79	124.93	118.34
2	2Z	54	ASN	CA-C-O	6.79	124.93	118.34
2	23	73	GLY	N-CA-C	6.79	125.98	113.76
2	27	73	GLY	N-CA-C	6.79	125.98	113.76
2	3F	73	GLY	N-CA-C	6.79	125.98	113.76
2	3N	73	GLY	N-CA-C	6.79	125.98	113.76
2	37	73	GLY	N-CA-C	6.79	125.98	113.76
2	4B	73	GLY	N-CA-C	6.79	125.98	113.76
2	4J	73	GLY	N-CA-C	6.79	125.98	113.76
2	4N	73	GLY	N-CA-C	6.79	125.98	113.76
2	4R	73	GLY	N-CA-C	6.79	125.98	113.76
2	4V	73	GLY	N-CA-C	6.79	125.98	113.76
2	43	54	ASN	CA-C-O	6.79	124.93	118.34
2	47	54	ASN	CA-C-O	6.79	124.93	118.34
2	5B	54	ASN	CA-C-O	6.79	124.93	118.34
2	5R	73	GLY	N-CA-C	6.79	125.98	113.76
2	5Z	73	GLY	N-CA-C	6.79	125.98	113.76
2	53	54	ASN	CA-C-O	6.79	124.93	118.34
2	57	54	ASN	CA-C-O	6.79	124.93	118.34
2	6B	54	ASN	CA-C-O	6.79	124.93	118.34
2	6F	73	GLY	N-CA-C	6.79	125.98	113.76
2	6J	73	GLY	N-CA-C	6.79	125.98	113.76
2	6R	73	GLY	N-CA-C	6.79	125.98	113.76
2	6Z	73	GLY	N-CA-C	6.79	125.98	113.76
2	7J	73	GLY	N-CA-C	6.79	125.98	113.76
2	7N	73	GLY	N-CA-C	6.79	125.98	113.76
2	7V	73	GLY	N-CA-C	6.79	125.98	113.76
1	1M	176	THR	O-C-N	6.79	130.86	122.92
1	1Q	9	PHE	CA-C-N	-6.79	110.17	122.12
1	1Q	9	PHE	C-N-CA	-6.79	110.17	122.12
2	1R	69	SER	N-CA-CB	6.79	121.66	110.39
1	1U	9	PHE	CA-C-N	-6.79	110.17	122.12
1	1U	9	PHE	C-N-CA	-6.79	110.17	122.12
2	1V	69	SER	N-CA-CB	6.79	121.66	110.39
1	1Y	9	PHE	CA-C-N	-6.79	110.17	122.12
1	1Y	9	PHE	C-N-CA	-6.79	110.17	122.12
2	1Z	69	SER	N-CA-CB	6.79	121.66	110.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	176	THR	O-C-N	6.79	130.86	122.92
1	2Q	9	PHE	CA-C-N	-6.79	110.17	122.12
1	2Q	9	PHE	C-N-CA	-6.79	110.17	122.12
2	2R	69	SER	N-CA-CB	6.79	121.66	110.39
1	2U	9	PHE	CA-C-N	-6.79	110.17	122.12
1	2U	9	PHE	C-N-CA	-6.79	110.17	122.12
2	2V	69	SER	N-CA-CB	6.79	121.66	110.39
1	2Y	9	PHE	CA-C-N	-6.79	110.17	122.12
1	2Y	9	PHE	C-N-CA	-6.79	110.17	122.12
2	2Z	69	SER	N-CA-CB	6.79	121.66	110.39
1	3A	176	THR	O-C-N	6.79	130.86	122.92
1	3I	176	THR	O-C-N	6.79	130.86	122.92
1	32	176	THR	O-C-N	6.79	130.86	122.92
1	4E	176	THR	O-C-N	6.79	130.86	122.92
1	4Y	176	THR	O-C-N	6.79	130.86	122.92
1	42	9	PHE	CA-C-N	-6.79	110.17	122.12
1	42	9	PHE	C-N-CA	-6.79	110.17	122.12
2	43	69	SER	N-CA-CB	6.79	121.66	110.39
1	46	9	PHE	CA-C-N	-6.79	110.17	122.12
1	46	9	PHE	C-N-CA	-6.79	110.17	122.12
2	47	69	SER	N-CA-CB	6.79	121.66	110.39
1	5A	9	PHE	CA-C-N	-6.79	110.17	122.12
1	5A	9	PHE	C-N-CA	-6.79	110.17	122.12
2	5B	69	SER	N-CA-CB	6.79	121.66	110.39
1	5U	176	THR	O-C-N	6.79	130.86	122.92
1	52	9	PHE	CA-C-N	-6.79	110.17	122.12
1	52	9	PHE	C-N-CA	-6.79	110.17	122.12
2	53	69	SER	N-CA-CB	6.79	121.66	110.39
1	56	9	PHE	CA-C-N	-6.79	110.17	122.12
1	56	9	PHE	C-N-CA	-6.79	110.17	122.12
2	57	69	SER	N-CA-CB	6.79	121.66	110.39
1	6A	9	PHE	CA-C-N	-6.79	110.17	122.12
1	6A	9	PHE	C-N-CA	-6.79	110.17	122.12
2	6B	69	SER	N-CA-CB	6.79	121.66	110.39
1	6M	176	THR	O-C-N	6.79	130.86	122.92
1	6U	176	THR	O-C-N	6.79	130.86	122.92
1	7E	176	THR	O-C-N	6.79	130.86	122.92
1	7Q	176	THR	O-C-N	6.79	130.86	122.92
1	1A	50	ARG	O-C-N	-6.79	113.56	122.59
1	1I	50	ARG	O-C-N	-6.79	113.56	122.59
1	2E	50	ARG	O-C-N	-6.79	113.56	122.59
1	26	50	ARG	O-C-N	-6.79	113.56	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	50	ARG	O-C-N	-6.79	113.56	122.59
1	4A	50	ARG	O-C-N	-6.79	113.56	122.59
1	4M	50	ARG	O-C-N	-6.79	113.56	122.59
1	4U	50	ARG	O-C-N	-6.79	113.56	122.59
1	5Q	50	ARG	O-C-N	-6.79	113.56	122.59
1	6I	50	ARG	O-C-N	-6.79	113.56	122.59
1	6Q	50	ARG	O-C-N	-6.79	113.56	122.59
1	7M	50	ARG	O-C-N	-6.79	113.56	122.59
2	1N	73	GLY	N-CA-C	6.79	125.97	113.76
2	2J	73	GLY	N-CA-C	6.79	125.97	113.76
2	3B	73	GLY	N-CA-C	6.79	125.97	113.76
2	3J	73	GLY	N-CA-C	6.79	125.97	113.76
2	33	73	GLY	N-CA-C	6.79	125.97	113.76
2	4F	73	GLY	N-CA-C	6.79	125.97	113.76
2	4Z	73	GLY	N-CA-C	6.79	125.97	113.76
2	5V	73	GLY	N-CA-C	6.79	125.97	113.76
2	6N	73	GLY	N-CA-C	6.79	125.97	113.76
2	6V	73	GLY	N-CA-C	6.79	125.97	113.76
2	7F	73	GLY	N-CA-C	6.79	125.97	113.76
2	7R	73	GLY	N-CA-C	6.79	125.97	113.76
2	1N	23	HIS	CB-CG-ND1	-6.78	112.53	122.70
2	2J	23	HIS	CB-CG-ND1	-6.78	112.53	122.70
2	3B	23	HIS	CB-CG-ND1	-6.78	112.53	122.70
2	3J	23	HIS	CB-CG-ND1	-6.78	112.53	122.70
2	33	23	HIS	CB-CG-ND1	-6.78	112.53	122.70
2	4F	23	HIS	CB-CG-ND1	-6.78	112.53	122.70
2	4Z	23	HIS	CB-CG-ND1	-6.78	112.53	122.70
2	5V	23	HIS	CB-CG-ND1	-6.78	112.53	122.70
2	6N	23	HIS	CB-CG-ND1	-6.78	112.53	122.70
2	6V	23	HIS	CB-CG-ND1	-6.78	112.53	122.70
2	7F	23	HIS	CB-CG-ND1	-6.78	112.53	122.70
2	7R	23	HIS	CB-CG-ND1	-6.78	112.53	122.70
2	13	73	GLY	N-CA-C	6.78	125.96	113.76
2	17	73	GLY	N-CA-C	6.78	125.96	113.76
2	2B	73	GLY	N-CA-C	6.78	125.96	113.76
2	3R	73	GLY	N-CA-C	6.78	125.96	113.76
2	3V	73	GLY	N-CA-C	6.78	125.96	113.76
2	3Z	73	GLY	N-CA-C	6.78	125.96	113.76
2	5F	73	GLY	N-CA-C	6.78	125.96	113.76
2	5J	73	GLY	N-CA-C	6.78	125.96	113.76
2	5N	73	GLY	N-CA-C	6.78	125.96	113.76
2	63	73	GLY	N-CA-C	6.78	125.96	113.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	73	GLY	N-CA-C	6.78	125.96	113.76
2	7B	73	GLY	N-CA-C	6.78	125.96	113.76
1	1E	9	PHE	CA-C-N	-6.78	110.19	122.12
1	1E	9	PHE	C-N-CA	-6.78	110.19	122.12
1	2M	9	PHE	CA-C-N	-6.78	110.19	122.12
1	2M	9	PHE	C-N-CA	-6.78	110.19	122.12
1	22	9	PHE	CA-C-N	-6.78	110.19	122.12
1	22	9	PHE	C-N-CA	-6.78	110.19	122.12
1	3M	9	PHE	CA-C-N	-6.78	110.19	122.12
1	3M	9	PHE	C-N-CA	-6.78	110.19	122.12
1	36	9	PHE	CA-C-N	-6.78	110.19	122.12
1	36	9	PHE	C-N-CA	-6.78	110.19	122.12
1	4I	9	PHE	CA-C-N	-6.78	110.19	122.12
1	4I	9	PHE	C-N-CA	-6.78	110.19	122.12
1	4Q	9	PHE	CA-C-N	-6.78	110.19	122.12
1	4Q	9	PHE	C-N-CA	-6.78	110.19	122.12
1	5Y	9	PHE	CA-C-N	-6.78	110.19	122.12
1	5Y	9	PHE	C-N-CA	-6.78	110.19	122.12
1	6E	9	PHE	CA-C-N	-6.78	110.19	122.12
1	6E	9	PHE	C-N-CA	-6.78	110.19	122.12
1	6Y	9	PHE	CA-C-N	-6.78	110.19	122.12
1	6Y	9	PHE	C-N-CA	-6.78	110.19	122.12
1	7I	9	PHE	CA-C-N	-6.78	110.19	122.12
1	7I	9	PHE	C-N-CA	-6.78	110.19	122.12
1	7U	9	PHE	CA-C-N	-6.78	110.19	122.12
1	7U	9	PHE	C-N-CA	-6.78	110.19	122.12
1	12	9	PHE	CA-C-N	-6.78	110.19	122.12
1	12	9	PHE	C-N-CA	-6.78	110.19	122.12
1	16	9	PHE	CA-C-N	-6.78	110.19	122.12
1	16	9	PHE	C-N-CA	-6.78	110.19	122.12
1	2A	9	PHE	CA-C-N	-6.78	110.19	122.12
1	2A	9	PHE	C-N-CA	-6.78	110.19	122.12
1	3Q	9	PHE	CA-C-N	-6.78	110.19	122.12
1	3Q	9	PHE	C-N-CA	-6.78	110.19	122.12
1	3U	9	PHE	CA-C-N	-6.78	110.19	122.12
1	3U	9	PHE	C-N-CA	-6.78	110.19	122.12
1	3Y	9	PHE	CA-C-N	-6.78	110.19	122.12
1	3Y	9	PHE	C-N-CA	-6.78	110.19	122.12
1	5E	9	PHE	CA-C-N	-6.78	110.19	122.12
1	5E	9	PHE	C-N-CA	-6.78	110.19	122.12
1	5I	9	PHE	CA-C-N	-6.78	110.19	122.12
1	5I	9	PHE	C-N-CA	-6.78	110.19	122.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	9	PHE	CA-C-N	-6.78	110.19	122.12
1	5M	9	PHE	C-N-CA	-6.78	110.19	122.12
1	62	9	PHE	CA-C-N	-6.78	110.19	122.12
1	62	9	PHE	C-N-CA	-6.78	110.19	122.12
1	66	9	PHE	CA-C-N	-6.78	110.19	122.12
1	66	9	PHE	C-N-CA	-6.78	110.19	122.12
1	7A	9	PHE	CA-C-N	-6.78	110.19	122.12
1	7A	9	PHE	C-N-CA	-6.78	110.19	122.12
1	1A	176	THR	O-C-N	6.77	130.84	122.92
1	1I	176	THR	O-C-N	6.77	130.84	122.92
1	2E	176	THR	O-C-N	6.77	130.84	122.92
1	26	176	THR	O-C-N	6.77	130.84	122.92
1	3E	176	THR	O-C-N	6.77	130.84	122.92
1	4A	176	THR	O-C-N	6.77	130.84	122.92
1	4M	176	THR	O-C-N	6.77	130.84	122.92
1	4U	176	THR	O-C-N	6.77	130.84	122.92
1	5Q	176	THR	O-C-N	6.77	130.84	122.92
1	6I	176	THR	O-C-N	6.77	130.84	122.92
1	6Q	176	THR	O-C-N	6.77	130.84	122.92
1	7M	176	THR	O-C-N	6.77	130.84	122.92
1	1A	9	PHE	CA-C-N	-6.77	110.21	122.12
1	1A	9	PHE	C-N-CA	-6.77	110.21	122.12
1	1I	9	PHE	CA-C-N	-6.77	110.21	122.12
1	1I	9	PHE	C-N-CA	-6.77	110.21	122.12
2	1R	47	ASP	O-C-N	-6.77	115.07	122.79
2	1V	47	ASP	O-C-N	-6.77	115.07	122.79
2	1Z	47	ASP	O-C-N	-6.77	115.07	122.79
1	2E	9	PHE	CA-C-N	-6.77	110.21	122.12
1	2E	9	PHE	C-N-CA	-6.77	110.21	122.12
2	2R	47	ASP	O-C-N	-6.77	115.07	122.79
2	2V	47	ASP	O-C-N	-6.77	115.07	122.79
2	2Z	47	ASP	O-C-N	-6.77	115.07	122.79
1	26	9	PHE	CA-C-N	-6.77	110.21	122.12
1	26	9	PHE	C-N-CA	-6.77	110.21	122.12
1	3E	9	PHE	CA-C-N	-6.77	110.21	122.12
1	3E	9	PHE	C-N-CA	-6.77	110.21	122.12
1	4A	9	PHE	CA-C-N	-6.77	110.21	122.12
1	4A	9	PHE	C-N-CA	-6.77	110.21	122.12
1	4M	9	PHE	CA-C-N	-6.77	110.21	122.12
1	4M	9	PHE	C-N-CA	-6.77	110.21	122.12
1	4U	9	PHE	CA-C-N	-6.77	110.21	122.12
1	4U	9	PHE	C-N-CA	-6.77	110.21	122.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	43	47	ASP	O-C-N	-6.77	115.07	122.79
2	47	47	ASP	O-C-N	-6.77	115.07	122.79
2	5B	47	ASP	O-C-N	-6.77	115.07	122.79
1	5Q	9	PHE	CA-C-N	-6.77	110.21	122.12
1	5Q	9	PHE	C-N-CA	-6.77	110.21	122.12
2	53	47	ASP	O-C-N	-6.77	115.07	122.79
2	57	47	ASP	O-C-N	-6.77	115.07	122.79
2	6B	47	ASP	O-C-N	-6.77	115.07	122.79
1	6I	9	PHE	CA-C-N	-6.77	110.21	122.12
1	6I	9	PHE	C-N-CA	-6.77	110.21	122.12
1	6Q	9	PHE	CA-C-N	-6.77	110.21	122.12
1	6Q	9	PHE	C-N-CA	-6.77	110.21	122.12
1	7M	9	PHE	CA-C-N	-6.77	110.21	122.12
1	7M	9	PHE	C-N-CA	-6.77	110.21	122.12
2	1B	47	ASP	O-C-N	-6.77	115.07	122.79
2	1J	47	ASP	O-C-N	-6.77	115.07	122.79
2	13	47	ASP	O-C-N	-6.77	115.08	122.79
2	17	47	ASP	O-C-N	-6.77	115.08	122.79
2	2B	47	ASP	O-C-N	-6.77	115.08	122.79
2	2F	47	ASP	O-C-N	-6.77	115.07	122.79
2	27	47	ASP	O-C-N	-6.77	115.07	122.79
2	3F	47	ASP	O-C-N	-6.77	115.07	122.79
2	3R	47	ASP	O-C-N	-6.77	115.08	122.79
2	3V	47	ASP	O-C-N	-6.77	115.08	122.79
2	3Z	47	ASP	O-C-N	-6.77	115.08	122.79
2	4B	47	ASP	O-C-N	-6.77	115.07	122.79
2	4N	47	ASP	O-C-N	-6.77	115.07	122.79
2	4V	47	ASP	O-C-N	-6.77	115.07	122.79
2	5F	47	ASP	O-C-N	-6.77	115.08	122.79
2	5J	47	ASP	O-C-N	-6.77	115.08	122.79
2	5N	47	ASP	O-C-N	-6.77	115.08	122.79
2	5R	47	ASP	O-C-N	-6.77	115.07	122.79
2	6J	47	ASP	O-C-N	-6.77	115.07	122.79
2	6R	47	ASP	O-C-N	-6.77	115.07	122.79
2	63	47	ASP	O-C-N	-6.77	115.08	122.79
2	67	47	ASP	O-C-N	-6.77	115.08	122.79
2	7B	47	ASP	O-C-N	-6.77	115.08	122.79
2	7N	47	ASP	O-C-N	-6.77	115.07	122.79
1	1M	148	LEU	O-C-N	6.77	130.60	122.96
1	2I	148	LEU	O-C-N	6.77	130.60	122.96
1	3A	148	LEU	O-C-N	6.77	130.60	122.96
1	3I	148	LEU	O-C-N	6.77	130.60	122.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	148	LEU	O-C-N	6.77	130.60	122.96
1	4E	148	LEU	O-C-N	6.77	130.60	122.96
1	4Y	148	LEU	O-C-N	6.77	130.60	122.96
1	5U	148	LEU	O-C-N	6.77	130.60	122.96
1	6M	148	LEU	O-C-N	6.77	130.60	122.96
1	6U	148	LEU	O-C-N	6.77	130.60	122.96
1	7E	148	LEU	O-C-N	6.77	130.60	122.96
1	7Q	148	LEU	O-C-N	6.77	130.60	122.96
1	1Q	34	ALA	CA-C-O	6.76	130.48	121.89
1	1Q	92	ASN	O-C-N	-6.76	113.59	122.59
1	1U	34	ALA	CA-C-O	6.76	130.48	121.89
1	1U	92	ASN	O-C-N	-6.76	113.59	122.59
1	1Y	34	ALA	CA-C-O	6.76	130.48	121.89
1	1Y	92	ASN	O-C-N	-6.76	113.59	122.59
1	2Q	34	ALA	CA-C-O	6.76	130.48	121.89
1	2Q	92	ASN	O-C-N	-6.76	113.59	122.59
1	2U	34	ALA	CA-C-O	6.76	130.48	121.89
1	2U	92	ASN	O-C-N	-6.76	113.59	122.59
1	2Y	34	ALA	CA-C-O	6.76	130.48	121.89
1	2Y	92	ASN	O-C-N	-6.76	113.59	122.59
1	42	34	ALA	CA-C-O	6.76	130.48	121.89
1	42	92	ASN	O-C-N	-6.76	113.59	122.59
1	46	34	ALA	CA-C-O	6.76	130.48	121.89
1	46	92	ASN	O-C-N	-6.76	113.59	122.59
1	5A	34	ALA	CA-C-O	6.76	130.48	121.89
1	5A	92	ASN	O-C-N	-6.76	113.59	122.59
1	52	34	ALA	CA-C-O	6.76	130.48	121.89
1	52	92	ASN	O-C-N	-6.76	113.59	122.59
1	56	34	ALA	CA-C-O	6.76	130.48	121.89
1	56	92	ASN	O-C-N	-6.76	113.59	122.59
1	6A	34	ALA	CA-C-O	6.76	130.48	121.89
1	6A	92	ASN	O-C-N	-6.76	113.59	122.59
1	1M	50	ARG	O-C-N	-6.76	113.60	122.59
1	2I	50	ARG	O-C-N	-6.76	113.60	122.59
1	3A	50	ARG	O-C-N	-6.76	113.60	122.59
1	3I	50	ARG	O-C-N	-6.76	113.60	122.59
1	32	50	ARG	O-C-N	-6.76	113.60	122.59
1	4E	50	ARG	O-C-N	-6.76	113.60	122.59
1	4Y	50	ARG	O-C-N	-6.76	113.60	122.59
1	5U	50	ARG	O-C-N	-6.76	113.60	122.59
1	6M	50	ARG	O-C-N	-6.76	113.60	122.59
1	6U	50	ARG	O-C-N	-6.76	113.60	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	50	ARG	O-C-N	-6.76	113.60	122.59
1	7Q	50	ARG	O-C-N	-6.76	113.60	122.59
1	1M	91	PRO	O-C-N	-6.75	115.04	123.21
1	2I	91	PRO	O-C-N	-6.75	115.04	123.21
1	3A	91	PRO	O-C-N	-6.75	115.04	123.21
1	3I	91	PRO	O-C-N	-6.75	115.04	123.21
1	32	91	PRO	O-C-N	-6.75	115.04	123.21
1	4E	91	PRO	O-C-N	-6.75	115.04	123.21
1	4Y	91	PRO	O-C-N	-6.75	115.04	123.21
1	5U	91	PRO	O-C-N	-6.75	115.04	123.21
1	6M	91	PRO	O-C-N	-6.75	115.04	123.21
1	6U	91	PRO	O-C-N	-6.75	115.04	123.21
1	7E	91	PRO	O-C-N	-6.75	115.04	123.21
1	7Q	91	PRO	O-C-N	-6.75	115.04	123.21
1	12	148	LEU	O-C-N	6.75	130.59	122.96
1	16	148	LEU	O-C-N	6.75	130.59	122.96
1	2A	148	LEU	O-C-N	6.75	130.59	122.96
1	3Q	148	LEU	O-C-N	6.75	130.59	122.96
1	3U	148	LEU	O-C-N	6.75	130.59	122.96
1	3Y	148	LEU	O-C-N	6.75	130.59	122.96
1	5E	148	LEU	O-C-N	6.75	130.59	122.96
1	5I	148	LEU	O-C-N	6.75	130.59	122.96
1	5M	148	LEU	O-C-N	6.75	130.59	122.96
1	62	148	LEU	O-C-N	6.75	130.59	122.96
1	66	148	LEU	O-C-N	6.75	130.59	122.96
1	7A	148	LEU	O-C-N	6.75	130.59	122.96
1	1E	148	LEU	O-C-N	6.75	130.58	122.96
1	2M	148	LEU	O-C-N	6.75	130.58	122.96
1	22	148	LEU	O-C-N	6.75	130.58	122.96
1	3M	148	LEU	O-C-N	6.75	130.58	122.96
1	36	148	LEU	O-C-N	6.75	130.58	122.96
1	4I	148	LEU	O-C-N	6.75	130.58	122.96
1	4Q	148	LEU	O-C-N	6.75	130.58	122.96
1	5Y	148	LEU	O-C-N	6.75	130.58	122.96
1	6E	148	LEU	O-C-N	6.75	130.58	122.96
1	6Y	148	LEU	O-C-N	6.75	130.58	122.96
1	7I	148	LEU	O-C-N	6.75	130.58	122.96
1	7U	148	LEU	O-C-N	6.75	130.58	122.96
1	1E	91	PRO	O-C-N	-6.75	115.05	123.21
1	2M	91	PRO	O-C-N	-6.75	115.05	123.21
1	22	91	PRO	O-C-N	-6.75	115.05	123.21
1	3M	91	PRO	O-C-N	-6.75	115.05	123.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	91	PRO	O-C-N	-6.75	115.05	123.21
1	4I	91	PRO	O-C-N	-6.75	115.05	123.21
1	4Q	91	PRO	O-C-N	-6.75	115.05	123.21
1	5Y	91	PRO	O-C-N	-6.75	115.05	123.21
1	6E	91	PRO	O-C-N	-6.75	115.05	123.21
1	6Y	91	PRO	O-C-N	-6.75	115.05	123.21
1	7I	91	PRO	O-C-N	-6.75	115.05	123.21
1	7U	91	PRO	O-C-N	-6.75	115.05	123.21
1	1Q	148	LEU	O-C-N	6.74	130.58	122.96
1	1U	148	LEU	O-C-N	6.74	130.58	122.96
1	1Y	148	LEU	O-C-N	6.74	130.58	122.96
1	2Q	148	LEU	O-C-N	6.74	130.58	122.96
1	2U	148	LEU	O-C-N	6.74	130.58	122.96
1	2Y	148	LEU	O-C-N	6.74	130.58	122.96
1	42	148	LEU	O-C-N	6.74	130.58	122.96
1	46	148	LEU	O-C-N	6.74	130.58	122.96
1	5A	148	LEU	O-C-N	6.74	130.58	122.96
1	52	148	LEU	O-C-N	6.74	130.58	122.96
1	56	148	LEU	O-C-N	6.74	130.58	122.96
1	6A	148	LEU	O-C-N	6.74	130.58	122.96
2	1R	221	ALA	CB-CA-C	-6.74	97.21	113.19
2	1V	221	ALA	CB-CA-C	-6.74	97.21	113.19
2	1Z	221	ALA	CB-CA-C	-6.74	97.21	113.19
2	13	70	TRP	CE2-CD2-CG	-6.74	99.11	107.20
2	17	70	TRP	CE2-CD2-CG	-6.74	99.11	107.20
2	2B	70	TRP	CE2-CD2-CG	-6.74	99.11	107.20
2	2R	221	ALA	CB-CA-C	-6.74	97.21	113.19
2	2V	221	ALA	CB-CA-C	-6.74	97.21	113.19
2	2Z	221	ALA	CB-CA-C	-6.74	97.21	113.19
2	3R	70	TRP	CE2-CD2-CG	-6.74	99.11	107.20
2	3V	70	TRP	CE2-CD2-CG	-6.74	99.11	107.20
2	3Z	70	TRP	CE2-CD2-CG	-6.74	99.11	107.20
2	43	221	ALA	CB-CA-C	-6.74	97.21	113.19
2	47	221	ALA	CB-CA-C	-6.74	97.21	113.19
2	5B	221	ALA	CB-CA-C	-6.74	97.21	113.19
2	5F	70	TRP	CE2-CD2-CG	-6.74	99.11	107.20
2	5J	70	TRP	CE2-CD2-CG	-6.74	99.11	107.20
2	5N	70	TRP	CE2-CD2-CG	-6.74	99.11	107.20
2	53	221	ALA	CB-CA-C	-6.74	97.21	113.19
2	57	221	ALA	CB-CA-C	-6.74	97.21	113.19
2	6B	221	ALA	CB-CA-C	-6.74	97.21	113.19
2	63	70	TRP	CE2-CD2-CG	-6.74	99.11	107.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	70	TRP	CE2-CD2-CG	-6.74	99.11	107.20
2	7B	70	TRP	CE2-CD2-CG	-6.74	99.11	107.20
1	1A	92	ASN	O-C-N	-6.74	113.63	122.59
1	1I	92	ASN	O-C-N	-6.74	113.63	122.59
1	2E	92	ASN	O-C-N	-6.74	113.63	122.59
1	26	92	ASN	O-C-N	-6.74	113.63	122.59
1	3E	92	ASN	O-C-N	-6.74	113.63	122.59
1	4A	92	ASN	O-C-N	-6.74	113.63	122.59
1	4M	92	ASN	O-C-N	-6.74	113.63	122.59
1	4U	92	ASN	O-C-N	-6.74	113.63	122.59
1	5Q	92	ASN	O-C-N	-6.74	113.63	122.59
1	6I	92	ASN	O-C-N	-6.74	113.63	122.59
1	6Q	92	ASN	O-C-N	-6.74	113.63	122.59
1	7M	92	ASN	O-C-N	-6.74	113.63	122.59
1	1Q	50	ARG	O-C-N	-6.74	113.63	122.59
1	1U	50	ARG	O-C-N	-6.74	113.63	122.59
1	1Y	50	ARG	O-C-N	-6.74	113.63	122.59
1	2Q	50	ARG	O-C-N	-6.74	113.63	122.59
1	2U	50	ARG	O-C-N	-6.74	113.63	122.59
1	2Y	50	ARG	O-C-N	-6.74	113.63	122.59
1	42	50	ARG	O-C-N	-6.74	113.63	122.59
1	46	50	ARG	O-C-N	-6.74	113.63	122.59
1	5A	50	ARG	O-C-N	-6.74	113.63	122.59
1	52	50	ARG	O-C-N	-6.74	113.63	122.59
1	56	50	ARG	O-C-N	-6.74	113.63	122.59
1	6A	50	ARG	O-C-N	-6.74	113.63	122.59
2	13	29	MET	N-CA-CB	-6.74	98.38	110.37
2	17	29	MET	N-CA-CB	-6.74	98.38	110.37
2	2B	29	MET	N-CA-CB	-6.74	98.38	110.37
2	3R	29	MET	N-CA-CB	-6.74	98.38	110.37
2	3V	29	MET	N-CA-CB	-6.74	98.38	110.37
2	3Z	29	MET	N-CA-CB	-6.74	98.38	110.37
2	5F	29	MET	N-CA-CB	-6.74	98.38	110.37
2	5J	29	MET	N-CA-CB	-6.74	98.38	110.37
2	5N	29	MET	N-CA-CB	-6.74	98.38	110.37
2	63	29	MET	N-CA-CB	-6.74	98.38	110.37
2	67	29	MET	N-CA-CB	-6.74	98.38	110.37
2	7B	29	MET	N-CA-CB	-6.74	98.38	110.37
2	1B	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	1J	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	13	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	17	221	ALA	CB-CA-C	-6.74	97.22	113.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	2F	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	27	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	3F	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	3R	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	3V	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	3Z	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	4B	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	4N	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	4V	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	5F	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	5J	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	5N	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	5R	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	6J	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	6R	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	63	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	67	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	7B	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	7N	221	ALA	CB-CA-C	-6.74	97.22	113.19
2	1N	29	MET	N-CA-CB	-6.73	98.39	110.37
2	1N	221	ALA	CB-CA-C	-6.73	97.23	113.19
2	2J	29	MET	N-CA-CB	-6.73	98.39	110.37
2	2J	221	ALA	CB-CA-C	-6.73	97.23	113.19
2	3B	29	MET	N-CA-CB	-6.73	98.39	110.37
2	3B	221	ALA	CB-CA-C	-6.73	97.23	113.19
2	3J	29	MET	N-CA-CB	-6.73	98.39	110.37
2	3J	221	ALA	CB-CA-C	-6.73	97.23	113.19
2	33	29	MET	N-CA-CB	-6.73	98.39	110.37
2	33	221	ALA	CB-CA-C	-6.73	97.23	113.19
2	4F	29	MET	N-CA-CB	-6.73	98.39	110.37
2	4F	221	ALA	CB-CA-C	-6.73	97.23	113.19
2	4Z	29	MET	N-CA-CB	-6.73	98.39	110.37
2	4Z	221	ALA	CB-CA-C	-6.73	97.23	113.19
2	5V	29	MET	N-CA-CB	-6.73	98.39	110.37
2	5V	221	ALA	CB-CA-C	-6.73	97.23	113.19
2	6N	29	MET	N-CA-CB	-6.73	98.39	110.37
2	6N	221	ALA	CB-CA-C	-6.73	97.23	113.19
2	6V	29	MET	N-CA-CB	-6.73	98.39	110.37
2	6V	221	ALA	CB-CA-C	-6.73	97.23	113.19
2	7F	29	MET	N-CA-CB	-6.73	98.39	110.37
2	7F	221	ALA	CB-CA-C	-6.73	97.23	113.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	29	MET	N-CA-CB	-6.73	98.39	110.37
2	7R	221	ALA	CB-CA-C	-6.73	97.23	113.19
1	1A	148	LEU	O-C-N	6.73	130.56	122.96
2	1F	221	ALA	CB-CA-C	-6.73	97.25	113.19
1	1I	148	LEU	O-C-N	6.73	130.56	122.96
1	2E	148	LEU	O-C-N	6.73	130.56	122.96
2	2N	221	ALA	CB-CA-C	-6.73	97.25	113.19
2	23	221	ALA	CB-CA-C	-6.73	97.25	113.19
1	26	148	LEU	O-C-N	6.73	130.56	122.96
1	3E	148	LEU	O-C-N	6.73	130.56	122.96
2	3N	221	ALA	CB-CA-C	-6.73	97.25	113.19
2	37	221	ALA	CB-CA-C	-6.73	97.25	113.19
1	4A	148	LEU	O-C-N	6.73	130.56	122.96
2	4J	221	ALA	CB-CA-C	-6.73	97.25	113.19
1	4M	148	LEU	O-C-N	6.73	130.56	122.96
2	4R	221	ALA	CB-CA-C	-6.73	97.25	113.19
1	4U	148	LEU	O-C-N	6.73	130.56	122.96
1	5Q	148	LEU	O-C-N	6.73	130.56	122.96
2	5Z	221	ALA	CB-CA-C	-6.73	97.25	113.19
2	6F	221	ALA	CB-CA-C	-6.73	97.25	113.19
1	6I	148	LEU	O-C-N	6.73	130.56	122.96
1	6Q	148	LEU	O-C-N	6.73	130.56	122.96
2	6Z	221	ALA	CB-CA-C	-6.73	97.25	113.19
2	7J	221	ALA	CB-CA-C	-6.73	97.25	113.19
1	7M	148	LEU	O-C-N	6.73	130.56	122.96
2	7V	221	ALA	CB-CA-C	-6.73	97.25	113.19
2	1B	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
1	1E	92	ASN	O-C-N	-6.72	113.65	122.59
2	1J	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
2	2F	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
1	2M	92	ASN	O-C-N	-6.72	113.65	122.59
1	22	92	ASN	O-C-N	-6.72	113.65	122.59
2	27	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
2	3F	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
1	3M	92	ASN	O-C-N	-6.72	113.65	122.59
1	36	92	ASN	O-C-N	-6.72	113.65	122.59
2	4B	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
1	4I	92	ASN	O-C-N	-6.72	113.65	122.59
2	4N	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
1	4Q	92	ASN	O-C-N	-6.72	113.65	122.59
2	4V	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
2	5R	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	92	ASN	O-C-N	-6.72	113.65	122.59
1	6E	92	ASN	O-C-N	-6.72	113.65	122.59
2	6J	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
2	6R	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
1	6Y	92	ASN	O-C-N	-6.72	113.65	122.59
1	7I	92	ASN	O-C-N	-6.72	113.65	122.59
2	7N	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
1	7U	92	ASN	O-C-N	-6.72	113.65	122.59
1	1M	92	ASN	O-C-N	-6.72	113.65	122.59
2	1R	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
2	1V	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
2	1Z	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
1	2I	92	ASN	O-C-N	-6.72	113.65	122.59
2	2R	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
2	2V	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
2	2Z	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
1	3A	92	ASN	O-C-N	-6.72	113.65	122.59
1	3I	92	ASN	O-C-N	-6.72	113.65	122.59
1	32	92	ASN	O-C-N	-6.72	113.65	122.59
1	4E	92	ASN	O-C-N	-6.72	113.65	122.59
1	4Y	92	ASN	O-C-N	-6.72	113.65	122.59
2	43	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
2	47	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
2	5B	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
1	5U	92	ASN	O-C-N	-6.72	113.65	122.59
2	53	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
2	57	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
2	6B	70	TRP	CE2-CD2-CG	-6.72	99.13	107.20
1	6M	92	ASN	O-C-N	-6.72	113.65	122.59
1	6U	92	ASN	O-C-N	-6.72	113.65	122.59
1	7E	92	ASN	O-C-N	-6.72	113.65	122.59
1	7Q	92	ASN	O-C-N	-6.72	113.65	122.59
1	1A	34	ALA	CA-C-O	6.72	130.42	121.89
2	1B	29	MET	N-CA-CB	-6.72	98.41	110.37
1	1I	34	ALA	CA-C-O	6.72	130.42	121.89
2	1J	29	MET	N-CA-CB	-6.72	98.41	110.37
1	2E	34	ALA	CA-C-O	6.72	130.42	121.89
2	2F	29	MET	N-CA-CB	-6.72	98.41	110.37
1	26	34	ALA	CA-C-O	6.72	130.42	121.89
2	27	29	MET	N-CA-CB	-6.72	98.41	110.37
1	3E	34	ALA	CA-C-O	6.72	130.42	121.89
2	3F	29	MET	N-CA-CB	-6.72	98.41	110.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	34	ALA	CA-C-O	6.72	130.42	121.89
2	4B	29	MET	N-CA-CB	-6.72	98.41	110.37
1	4M	34	ALA	CA-C-O	6.72	130.42	121.89
2	4N	29	MET	N-CA-CB	-6.72	98.41	110.37
1	4U	34	ALA	CA-C-O	6.72	130.42	121.89
2	4V	29	MET	N-CA-CB	-6.72	98.41	110.37
1	5Q	34	ALA	CA-C-O	6.72	130.42	121.89
2	5R	29	MET	N-CA-CB	-6.72	98.41	110.37
1	6I	34	ALA	CA-C-O	6.72	130.42	121.89
2	6J	29	MET	N-CA-CB	-6.72	98.41	110.37
1	6Q	34	ALA	CA-C-O	6.72	130.42	121.89
2	6R	29	MET	N-CA-CB	-6.72	98.41	110.37
1	7M	34	ALA	CA-C-O	6.72	130.42	121.89
2	7N	29	MET	N-CA-CB	-6.72	98.41	110.37
1	12	92	ASN	O-C-N	-6.72	113.66	122.59
1	16	92	ASN	O-C-N	-6.72	113.66	122.59
1	2A	92	ASN	O-C-N	-6.72	113.66	122.59
1	3Q	92	ASN	O-C-N	-6.72	113.66	122.59
1	3U	92	ASN	O-C-N	-6.72	113.66	122.59
1	3Y	92	ASN	O-C-N	-6.72	113.66	122.59
1	5E	92	ASN	O-C-N	-6.72	113.66	122.59
1	5I	92	ASN	O-C-N	-6.72	113.66	122.59
1	5M	92	ASN	O-C-N	-6.72	113.66	122.59
1	62	92	ASN	O-C-N	-6.72	113.66	122.59
1	66	92	ASN	O-C-N	-6.72	113.66	122.59
1	7A	92	ASN	O-C-N	-6.72	113.66	122.59
2	1N	70	TRP	CE2-CD2-CG	-6.71	99.15	107.20
2	2J	70	TRP	CE2-CD2-CG	-6.71	99.15	107.20
2	3B	70	TRP	CE2-CD2-CG	-6.71	99.15	107.20
2	3J	70	TRP	CE2-CD2-CG	-6.71	99.15	107.20
2	33	70	TRP	CE2-CD2-CG	-6.71	99.15	107.20
2	4F	70	TRP	CE2-CD2-CG	-6.71	99.15	107.20
2	4Z	70	TRP	CE2-CD2-CG	-6.71	99.15	107.20
2	5V	70	TRP	CE2-CD2-CG	-6.71	99.15	107.20
2	6N	70	TRP	CE2-CD2-CG	-6.71	99.15	107.20
2	6V	70	TRP	CE2-CD2-CG	-6.71	99.15	107.20
2	7F	70	TRP	CE2-CD2-CG	-6.71	99.15	107.20
2	7R	70	TRP	CE2-CD2-CG	-6.71	99.15	107.20
2	1R	29	MET	N-CA-CB	-6.71	98.43	110.37
2	1V	29	MET	N-CA-CB	-6.71	98.43	110.37
2	1Z	29	MET	N-CA-CB	-6.71	98.43	110.37
1	12	68	SER	CB-CA-C	-6.71	97.02	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16	68	SER	CB-CA-C	-6.71	97.02	110.30
1	2A	68	SER	CB-CA-C	-6.71	97.02	110.30
2	2R	29	MET	N-CA-CB	-6.71	98.43	110.37
2	2V	29	MET	N-CA-CB	-6.71	98.43	110.37
2	2Z	29	MET	N-CA-CB	-6.71	98.43	110.37
1	3Q	68	SER	CB-CA-C	-6.71	97.02	110.30
1	3U	68	SER	CB-CA-C	-6.71	97.02	110.30
1	3Y	68	SER	CB-CA-C	-6.71	97.02	110.30
2	43	29	MET	N-CA-CB	-6.71	98.43	110.37
2	47	29	MET	N-CA-CB	-6.71	98.43	110.37
2	5B	29	MET	N-CA-CB	-6.71	98.43	110.37
1	5E	68	SER	CB-CA-C	-6.71	97.02	110.30
1	5I	68	SER	CB-CA-C	-6.71	97.02	110.30
1	5M	68	SER	CB-CA-C	-6.71	97.02	110.30
2	53	29	MET	N-CA-CB	-6.71	98.43	110.37
2	57	29	MET	N-CA-CB	-6.71	98.43	110.37
2	6B	29	MET	N-CA-CB	-6.71	98.43	110.37
1	62	68	SER	CB-CA-C	-6.71	97.02	110.30
1	66	68	SER	CB-CA-C	-6.71	97.02	110.30
1	7A	68	SER	CB-CA-C	-6.71	97.02	110.30
1	1Q	68	SER	CB-CA-C	-6.71	97.02	110.30
1	1U	68	SER	CB-CA-C	-6.71	97.02	110.30
1	1Y	68	SER	CB-CA-C	-6.71	97.02	110.30
1	2Q	68	SER	CB-CA-C	-6.71	97.02	110.30
1	2U	68	SER	CB-CA-C	-6.71	97.02	110.30
1	2Y	68	SER	CB-CA-C	-6.71	97.02	110.30
1	42	68	SER	CB-CA-C	-6.71	97.02	110.30
1	46	68	SER	CB-CA-C	-6.71	97.02	110.30
1	5A	68	SER	CB-CA-C	-6.71	97.02	110.30
1	52	68	SER	CB-CA-C	-6.71	97.02	110.30
1	56	68	SER	CB-CA-C	-6.71	97.02	110.30
1	6A	68	SER	CB-CA-C	-6.71	97.02	110.30
2	1B	8	VAL	CA-C-O	-6.70	112.40	120.78
1	1E	34	ALA	CA-C-O	6.70	130.40	121.89
2	1F	29	MET	N-CA-CB	-6.70	98.44	110.37
2	1J	8	VAL	CA-C-O	-6.70	112.40	120.78
2	2F	8	VAL	CA-C-O	-6.70	112.40	120.78
1	2M	34	ALA	CA-C-O	6.70	130.40	121.89
2	2N	29	MET	N-CA-CB	-6.70	98.44	110.37
1	22	34	ALA	CA-C-O	6.70	130.40	121.89
2	23	29	MET	N-CA-CB	-6.70	98.44	110.37
2	27	8	VAL	CA-C-O	-6.70	112.40	120.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	8	VAL	CA-C-O	-6.70	112.40	120.78
1	3M	34	ALA	CA-C-O	6.70	130.40	121.89
2	3N	29	MET	N-CA-CB	-6.70	98.44	110.37
1	36	34	ALA	CA-C-O	6.70	130.40	121.89
2	37	29	MET	N-CA-CB	-6.70	98.44	110.37
2	4B	8	VAL	CA-C-O	-6.70	112.40	120.78
1	4I	34	ALA	CA-C-O	6.70	130.40	121.89
2	4J	29	MET	N-CA-CB	-6.70	98.44	110.37
2	4N	8	VAL	CA-C-O	-6.70	112.40	120.78
1	4Q	34	ALA	CA-C-O	6.70	130.40	121.89
2	4R	29	MET	N-CA-CB	-6.70	98.44	110.37
2	4V	8	VAL	CA-C-O	-6.70	112.40	120.78
2	5R	8	VAL	CA-C-O	-6.70	112.40	120.78
1	5Y	34	ALA	CA-C-O	6.70	130.40	121.89
2	5Z	29	MET	N-CA-CB	-6.70	98.44	110.37
1	6E	34	ALA	CA-C-O	6.70	130.40	121.89
2	6F	29	MET	N-CA-CB	-6.70	98.44	110.37
2	6J	8	VAL	CA-C-O	-6.70	112.40	120.78
2	6R	8	VAL	CA-C-O	-6.70	112.40	120.78
1	6Y	34	ALA	CA-C-O	6.70	130.40	121.89
2	6Z	29	MET	N-CA-CB	-6.70	98.44	110.37
1	7I	34	ALA	CA-C-O	6.70	130.40	121.89
2	7J	29	MET	N-CA-CB	-6.70	98.44	110.37
2	7N	8	VAL	CA-C-O	-6.70	112.40	120.78
1	7U	34	ALA	CA-C-O	6.70	130.40	121.89
2	7V	29	MET	N-CA-CB	-6.70	98.44	110.37
1	1M	34	ALA	CA-C-O	6.70	130.40	121.89
1	2I	34	ALA	CA-C-O	6.70	130.40	121.89
1	3A	34	ALA	CA-C-O	6.70	130.40	121.89
1	3I	34	ALA	CA-C-O	6.70	130.40	121.89
1	32	34	ALA	CA-C-O	6.70	130.40	121.89
1	4E	34	ALA	CA-C-O	6.70	130.40	121.89
1	4Y	34	ALA	CA-C-O	6.70	130.40	121.89
1	5U	34	ALA	CA-C-O	6.70	130.40	121.89
1	6M	34	ALA	CA-C-O	6.70	130.40	121.89
1	6U	34	ALA	CA-C-O	6.70	130.40	121.89
1	7E	34	ALA	CA-C-O	6.70	130.40	121.89
1	7Q	34	ALA	CA-C-O	6.70	130.40	121.89
2	1F	70	TRP	CE2-CD2-CG	-6.70	99.16	107.20
2	2N	70	TRP	CE2-CD2-CG	-6.70	99.16	107.20
2	23	70	TRP	CE2-CD2-CG	-6.70	99.16	107.20
2	3N	70	TRP	CE2-CD2-CG	-6.70	99.16	107.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	70	TRP	CE2-CD2-CG	-6.70	99.16	107.20
2	4J	70	TRP	CE2-CD2-CG	-6.70	99.16	107.20
2	4R	70	TRP	CE2-CD2-CG	-6.70	99.16	107.20
2	5Z	70	TRP	CE2-CD2-CG	-6.70	99.16	107.20
2	6F	70	TRP	CE2-CD2-CG	-6.70	99.16	107.20
2	6Z	70	TRP	CE2-CD2-CG	-6.70	99.16	107.20
2	7J	70	TRP	CE2-CD2-CG	-6.70	99.16	107.20
2	7V	70	TRP	CE2-CD2-CG	-6.70	99.16	107.20
2	1R	8	VAL	CA-C-O	-6.70	112.41	120.78
2	1V	8	VAL	CA-C-O	-6.70	112.41	120.78
2	1Z	8	VAL	CA-C-O	-6.70	112.41	120.78
2	2R	8	VAL	CA-C-O	-6.70	112.41	120.78
2	2V	8	VAL	CA-C-O	-6.70	112.41	120.78
2	2Z	8	VAL	CA-C-O	-6.70	112.41	120.78
2	43	8	VAL	CA-C-O	-6.70	112.41	120.78
2	47	8	VAL	CA-C-O	-6.70	112.41	120.78
2	5B	8	VAL	CA-C-O	-6.70	112.41	120.78
2	53	8	VAL	CA-C-O	-6.70	112.41	120.78
2	57	8	VAL	CA-C-O	-6.70	112.41	120.78
2	6B	8	VAL	CA-C-O	-6.70	112.41	120.78
1	1A	68	SER	CB-CA-C	-6.70	97.04	110.30
1	1E	68	SER	CB-CA-C	-6.70	97.04	110.30
1	1I	68	SER	CB-CA-C	-6.70	97.04	110.30
1	2E	68	SER	CB-CA-C	-6.70	97.04	110.30
1	2M	68	SER	CB-CA-C	-6.70	97.04	110.30
1	22	68	SER	CB-CA-C	-6.70	97.04	110.30
1	26	68	SER	CB-CA-C	-6.70	97.04	110.30
1	3E	68	SER	CB-CA-C	-6.70	97.04	110.30
1	3M	68	SER	CB-CA-C	-6.70	97.04	110.30
1	36	68	SER	CB-CA-C	-6.70	97.04	110.30
1	4A	68	SER	CB-CA-C	-6.70	97.04	110.30
1	4I	68	SER	CB-CA-C	-6.70	97.04	110.30
1	4M	68	SER	CB-CA-C	-6.70	97.04	110.30
1	4Q	68	SER	CB-CA-C	-6.70	97.04	110.30
1	4U	68	SER	CB-CA-C	-6.70	97.04	110.30
1	5Q	68	SER	CB-CA-C	-6.70	97.04	110.30
1	5Y	68	SER	CB-CA-C	-6.70	97.04	110.30
1	6E	68	SER	CB-CA-C	-6.70	97.04	110.30
1	6I	68	SER	CB-CA-C	-6.70	97.04	110.30
1	6Q	68	SER	CB-CA-C	-6.70	97.04	110.30
1	6Y	68	SER	CB-CA-C	-6.70	97.04	110.30
1	7I	68	SER	CB-CA-C	-6.70	97.04	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	68	SER	CB-CA-C	-6.70	97.04	110.30
1	7U	68	SER	CB-CA-C	-6.70	97.04	110.30
2	13	8	VAL	CA-C-O	-6.69	112.41	120.78
2	17	8	VAL	CA-C-O	-6.69	112.41	120.78
2	2B	8	VAL	CA-C-O	-6.69	112.41	120.78
2	3R	8	VAL	CA-C-O	-6.69	112.41	120.78
2	3V	8	VAL	CA-C-O	-6.69	112.41	120.78
2	3Z	8	VAL	CA-C-O	-6.69	112.41	120.78
2	5F	8	VAL	CA-C-O	-6.69	112.41	120.78
2	5J	8	VAL	CA-C-O	-6.69	112.41	120.78
2	5N	8	VAL	CA-C-O	-6.69	112.41	120.78
2	63	8	VAL	CA-C-O	-6.69	112.41	120.78
2	67	8	VAL	CA-C-O	-6.69	112.41	120.78
2	7B	8	VAL	CA-C-O	-6.69	112.41	120.78
1	12	34	ALA	CA-C-O	6.68	130.38	121.89
1	16	34	ALA	CA-C-O	6.68	130.38	121.89
1	2A	34	ALA	CA-C-O	6.68	130.38	121.89
1	3Q	34	ALA	CA-C-O	6.68	130.38	121.89
1	3U	34	ALA	CA-C-O	6.68	130.38	121.89
1	3Y	34	ALA	CA-C-O	6.68	130.38	121.89
1	5E	34	ALA	CA-C-O	6.68	130.38	121.89
1	5I	34	ALA	CA-C-O	6.68	130.38	121.89
1	5M	34	ALA	CA-C-O	6.68	130.38	121.89
1	62	34	ALA	CA-C-O	6.68	130.38	121.89
1	66	34	ALA	CA-C-O	6.68	130.38	121.89
1	7A	34	ALA	CA-C-O	6.68	130.38	121.89
2	1N	8	VAL	CA-C-O	-6.68	112.43	120.78
2	2J	8	VAL	CA-C-O	-6.68	112.43	120.78
2	3B	8	VAL	CA-C-O	-6.68	112.43	120.78
2	3J	8	VAL	CA-C-O	-6.68	112.43	120.78
2	33	8	VAL	CA-C-O	-6.68	112.43	120.78
2	4F	8	VAL	CA-C-O	-6.68	112.43	120.78
2	4Z	8	VAL	CA-C-O	-6.68	112.43	120.78
2	5V	8	VAL	CA-C-O	-6.68	112.43	120.78
2	6N	8	VAL	CA-C-O	-6.68	112.43	120.78
2	6V	8	VAL	CA-C-O	-6.68	112.43	120.78
2	7F	8	VAL	CA-C-O	-6.68	112.43	120.78
2	7R	8	VAL	CA-C-O	-6.68	112.43	120.78
1	1M	68	SER	CB-CA-C	-6.68	97.08	110.30
1	2I	68	SER	CB-CA-C	-6.68	97.08	110.30
1	3A	68	SER	CB-CA-C	-6.68	97.08	110.30
1	3I	68	SER	CB-CA-C	-6.68	97.08	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	68	SER	CB-CA-C	-6.68	97.08	110.30
1	4E	68	SER	CB-CA-C	-6.68	97.08	110.30
1	4Y	68	SER	CB-CA-C	-6.68	97.08	110.30
1	5U	68	SER	CB-CA-C	-6.68	97.08	110.30
1	6M	68	SER	CB-CA-C	-6.68	97.08	110.30
1	6U	68	SER	CB-CA-C	-6.68	97.08	110.30
1	7E	68	SER	CB-CA-C	-6.68	97.08	110.30
1	7Q	68	SER	CB-CA-C	-6.68	97.08	110.30
2	1F	8	VAL	CA-C-O	-6.67	112.45	120.78
2	2N	8	VAL	CA-C-O	-6.67	112.45	120.78
2	23	8	VAL	CA-C-O	-6.67	112.45	120.78
2	3N	8	VAL	CA-C-O	-6.67	112.45	120.78
2	37	8	VAL	CA-C-O	-6.67	112.45	120.78
2	4J	8	VAL	CA-C-O	-6.67	112.45	120.78
2	4R	8	VAL	CA-C-O	-6.67	112.45	120.78
2	5Z	8	VAL	CA-C-O	-6.67	112.45	120.78
2	6F	8	VAL	CA-C-O	-6.67	112.45	120.78
2	6Z	8	VAL	CA-C-O	-6.67	112.45	120.78
2	7J	8	VAL	CA-C-O	-6.67	112.45	120.78
2	7V	8	VAL	CA-C-O	-6.67	112.45	120.78
1	1A	145	LEU	CA-C-N	-6.66	111.51	120.90
1	1A	145	LEU	C-N-CA	-6.66	111.51	120.90
1	1I	145	LEU	CA-C-N	-6.66	111.51	120.90
1	1I	145	LEU	C-N-CA	-6.66	111.51	120.90
1	2E	145	LEU	CA-C-N	-6.66	111.51	120.90
1	2E	145	LEU	C-N-CA	-6.66	111.51	120.90
1	26	145	LEU	CA-C-N	-6.66	111.51	120.90
1	26	145	LEU	C-N-CA	-6.66	111.51	120.90
1	3E	145	LEU	CA-C-N	-6.66	111.51	120.90
1	3E	145	LEU	C-N-CA	-6.66	111.51	120.90
1	4A	145	LEU	CA-C-N	-6.66	111.51	120.90
1	4A	145	LEU	C-N-CA	-6.66	111.51	120.90
1	4M	145	LEU	CA-C-N	-6.66	111.51	120.90
1	4M	145	LEU	C-N-CA	-6.66	111.51	120.90
1	4U	145	LEU	CA-C-N	-6.66	111.51	120.90
1	4U	145	LEU	C-N-CA	-6.66	111.51	120.90
1	5Q	145	LEU	CA-C-N	-6.66	111.51	120.90
1	5Q	145	LEU	C-N-CA	-6.66	111.51	120.90
1	6I	145	LEU	CA-C-N	-6.66	111.51	120.90
1	6I	145	LEU	C-N-CA	-6.66	111.51	120.90
1	6Q	145	LEU	CA-C-N	-6.66	111.51	120.90
1	6Q	145	LEU	C-N-CA	-6.66	111.51	120.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	145	LEU	CA-C-N	-6.66	111.51	120.90
1	7M	145	LEU	C-N-CA	-6.66	111.51	120.90
1	1Q	145	LEU	CA-C-N	-6.65	111.52	120.90
1	1Q	145	LEU	C-N-CA	-6.65	111.52	120.90
1	1U	145	LEU	CA-C-N	-6.65	111.52	120.90
1	1U	145	LEU	C-N-CA	-6.65	111.52	120.90
1	1Y	145	LEU	CA-C-N	-6.65	111.52	120.90
1	1Y	145	LEU	C-N-CA	-6.65	111.52	120.90
1	2Q	145	LEU	CA-C-N	-6.65	111.52	120.90
1	2Q	145	LEU	C-N-CA	-6.65	111.52	120.90
1	2U	145	LEU	CA-C-N	-6.65	111.52	120.90
1	2U	145	LEU	C-N-CA	-6.65	111.52	120.90
1	2Y	145	LEU	CA-C-N	-6.65	111.52	120.90
1	2Y	145	LEU	C-N-CA	-6.65	111.52	120.90
1	42	145	LEU	CA-C-N	-6.65	111.52	120.90
1	42	145	LEU	C-N-CA	-6.65	111.52	120.90
1	46	145	LEU	CA-C-N	-6.65	111.52	120.90
1	46	145	LEU	C-N-CA	-6.65	111.52	120.90
1	5A	145	LEU	CA-C-N	-6.65	111.52	120.90
1	5A	145	LEU	C-N-CA	-6.65	111.52	120.90
1	52	145	LEU	CA-C-N	-6.65	111.52	120.90
1	52	145	LEU	C-N-CA	-6.65	111.52	120.90
1	56	145	LEU	CA-C-N	-6.65	111.52	120.90
1	56	145	LEU	C-N-CA	-6.65	111.52	120.90
1	6A	145	LEU	CA-C-N	-6.65	111.52	120.90
1	6A	145	LEU	C-N-CA	-6.65	111.52	120.90
1	12	82	ARG	CB-CA-C	-6.65	101.98	115.27
1	16	82	ARG	CB-CA-C	-6.65	101.98	115.27
1	2A	82	ARG	CB-CA-C	-6.65	101.98	115.27
1	3Q	82	ARG	CB-CA-C	-6.65	101.98	115.27
1	3U	82	ARG	CB-CA-C	-6.65	101.98	115.27
1	3Y	82	ARG	CB-CA-C	-6.65	101.98	115.27
1	5E	82	ARG	CB-CA-C	-6.65	101.98	115.27
1	5I	82	ARG	CB-CA-C	-6.65	101.98	115.27
1	5M	82	ARG	CB-CA-C	-6.65	101.98	115.27
1	62	82	ARG	CB-CA-C	-6.65	101.98	115.27
1	66	82	ARG	CB-CA-C	-6.65	101.98	115.27
1	7A	82	ARG	CB-CA-C	-6.65	101.98	115.27
1	1M	145	LEU	CA-C-N	-6.64	111.53	120.90
1	1M	145	LEU	C-N-CA	-6.64	111.53	120.90
1	2I	145	LEU	CA-C-N	-6.64	111.53	120.90
1	2I	145	LEU	C-N-CA	-6.64	111.53	120.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3A	145	LEU	CA-C-N	-6.64	111.53	120.90
1	3A	145	LEU	C-N-CA	-6.64	111.53	120.90
1	3I	145	LEU	CA-C-N	-6.64	111.53	120.90
1	3I	145	LEU	C-N-CA	-6.64	111.53	120.90
1	32	145	LEU	CA-C-N	-6.64	111.53	120.90
1	32	145	LEU	C-N-CA	-6.64	111.53	120.90
1	4E	145	LEU	CA-C-N	-6.64	111.53	120.90
1	4E	145	LEU	C-N-CA	-6.64	111.53	120.90
1	4Y	145	LEU	CA-C-N	-6.64	111.53	120.90
1	4Y	145	LEU	C-N-CA	-6.64	111.53	120.90
1	5U	145	LEU	CA-C-N	-6.64	111.53	120.90
1	5U	145	LEU	C-N-CA	-6.64	111.53	120.90
1	6M	145	LEU	CA-C-N	-6.64	111.53	120.90
1	6M	145	LEU	C-N-CA	-6.64	111.53	120.90
1	6U	145	LEU	CA-C-N	-6.64	111.53	120.90
1	6U	145	LEU	C-N-CA	-6.64	111.53	120.90
1	7E	145	LEU	CA-C-N	-6.64	111.53	120.90
1	7E	145	LEU	C-N-CA	-6.64	111.53	120.90
1	7Q	145	LEU	CA-C-N	-6.64	111.53	120.90
1	7Q	145	LEU	C-N-CA	-6.64	111.53	120.90
1	1E	145	LEU	CA-C-N	-6.63	111.55	120.90
1	1E	145	LEU	C-N-CA	-6.63	111.55	120.90
1	1M	82	ARG	CB-CA-C	-6.63	102.00	115.27
1	2I	82	ARG	CB-CA-C	-6.63	102.00	115.27
1	2M	145	LEU	CA-C-N	-6.63	111.55	120.90
1	2M	145	LEU	C-N-CA	-6.63	111.55	120.90
1	22	145	LEU	CA-C-N	-6.63	111.55	120.90
1	22	145	LEU	C-N-CA	-6.63	111.55	120.90
1	3A	82	ARG	CB-CA-C	-6.63	102.00	115.27
1	3I	82	ARG	CB-CA-C	-6.63	102.00	115.27
1	3M	145	LEU	CA-C-N	-6.63	111.55	120.90
1	3M	145	LEU	C-N-CA	-6.63	111.55	120.90
1	32	82	ARG	CB-CA-C	-6.63	102.00	115.27
1	36	145	LEU	CA-C-N	-6.63	111.55	120.90
1	36	145	LEU	C-N-CA	-6.63	111.55	120.90
1	4E	82	ARG	CB-CA-C	-6.63	102.00	115.27
1	4I	145	LEU	CA-C-N	-6.63	111.55	120.90
1	4I	145	LEU	C-N-CA	-6.63	111.55	120.90
1	4Q	145	LEU	CA-C-N	-6.63	111.55	120.90
1	4Q	145	LEU	C-N-CA	-6.63	111.55	120.90
1	4Y	82	ARG	CB-CA-C	-6.63	102.00	115.27
1	5U	82	ARG	CB-CA-C	-6.63	102.00	115.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	145	LEU	CA-C-N	-6.63	111.55	120.90
1	5Y	145	LEU	C-N-CA	-6.63	111.55	120.90
1	6E	145	LEU	CA-C-N	-6.63	111.55	120.90
1	6E	145	LEU	C-N-CA	-6.63	111.55	120.90
1	6M	82	ARG	CB-CA-C	-6.63	102.00	115.27
1	6U	82	ARG	CB-CA-C	-6.63	102.00	115.27
1	6Y	145	LEU	CA-C-N	-6.63	111.55	120.90
1	6Y	145	LEU	C-N-CA	-6.63	111.55	120.90
1	7E	82	ARG	CB-CA-C	-6.63	102.00	115.27
1	7I	145	LEU	CA-C-N	-6.63	111.55	120.90
1	7I	145	LEU	C-N-CA	-6.63	111.55	120.90
1	7Q	82	ARG	CB-CA-C	-6.63	102.00	115.27
1	7U	145	LEU	CA-C-N	-6.63	111.55	120.90
1	7U	145	LEU	C-N-CA	-6.63	111.55	120.90
1	1Q	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	1U	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	1Y	82	ARG	CB-CA-C	-6.63	102.01	115.27
2	13	157	THR	N-CA-CB	6.63	121.70	110.49
2	17	157	THR	N-CA-CB	6.63	121.70	110.49
2	2B	157	THR	N-CA-CB	6.63	121.70	110.49
1	2Q	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	2U	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	2Y	82	ARG	CB-CA-C	-6.63	102.01	115.27
2	3R	157	THR	N-CA-CB	6.63	121.70	110.49
2	3V	157	THR	N-CA-CB	6.63	121.70	110.49
2	3Z	157	THR	N-CA-CB	6.63	121.70	110.49
1	42	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	46	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	5A	82	ARG	CB-CA-C	-6.63	102.01	115.27
2	5F	157	THR	N-CA-CB	6.63	121.70	110.49
2	5J	157	THR	N-CA-CB	6.63	121.70	110.49
2	5N	157	THR	N-CA-CB	6.63	121.70	110.49
1	52	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	56	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	6A	82	ARG	CB-CA-C	-6.63	102.01	115.27
2	63	157	THR	N-CA-CB	6.63	121.70	110.49
2	67	157	THR	N-CA-CB	6.63	121.70	110.49
2	7B	157	THR	N-CA-CB	6.63	121.70	110.49
1	1E	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	2M	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	22	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	3M	82	ARG	CB-CA-C	-6.63	102.01	115.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	4I	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	4Q	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	5Y	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	6E	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	6Y	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	7I	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	7U	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	1A	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	1I	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	2E	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	26	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	3E	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	4A	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	4M	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	4U	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	5Q	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	6I	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	6Q	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	7M	82	ARG	CB-CA-C	-6.63	102.01	115.27
1	12	145	LEU	CA-C-N	-6.62	111.56	120.90
1	12	145	LEU	C-N-CA	-6.62	111.56	120.90
1	16	145	LEU	CA-C-N	-6.62	111.56	120.90
1	16	145	LEU	C-N-CA	-6.62	111.56	120.90
1	2A	145	LEU	CA-C-N	-6.62	111.56	120.90
1	2A	145	LEU	C-N-CA	-6.62	111.56	120.90
1	3Q	145	LEU	CA-C-N	-6.62	111.56	120.90
1	3Q	145	LEU	C-N-CA	-6.62	111.56	120.90
1	3U	145	LEU	CA-C-N	-6.62	111.56	120.90
1	3U	145	LEU	C-N-CA	-6.62	111.56	120.90
1	3Y	145	LEU	CA-C-N	-6.62	111.56	120.90
1	3Y	145	LEU	C-N-CA	-6.62	111.56	120.90
1	5E	145	LEU	CA-C-N	-6.62	111.56	120.90
1	5E	145	LEU	C-N-CA	-6.62	111.56	120.90
1	5I	145	LEU	CA-C-N	-6.62	111.56	120.90
1	5I	145	LEU	C-N-CA	-6.62	111.56	120.90
1	5M	145	LEU	CA-C-N	-6.62	111.56	120.90
1	5M	145	LEU	C-N-CA	-6.62	111.56	120.90
1	62	145	LEU	CA-C-N	-6.62	111.56	120.90
1	62	145	LEU	C-N-CA	-6.62	111.56	120.90
1	66	145	LEU	CA-C-N	-6.62	111.56	120.90
1	66	145	LEU	C-N-CA	-6.62	111.56	120.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7A	145	LEU	CA-C-N	-6.62	111.56	120.90
1	7A	145	LEU	C-N-CA	-6.62	111.56	120.90
1	1A	51	LEU	N-CA-CB	6.62	119.73	110.26
1	1I	51	LEU	N-CA-CB	6.62	119.73	110.26
1	2E	51	LEU	N-CA-CB	6.62	119.73	110.26
1	26	51	LEU	N-CA-CB	6.62	119.73	110.26
1	3E	51	LEU	N-CA-CB	6.62	119.73	110.26
1	4A	51	LEU	N-CA-CB	6.62	119.73	110.26
1	4M	51	LEU	N-CA-CB	6.62	119.73	110.26
1	4U	51	LEU	N-CA-CB	6.62	119.73	110.26
1	5Q	51	LEU	N-CA-CB	6.62	119.73	110.26
1	6I	51	LEU	N-CA-CB	6.62	119.73	110.26
1	6Q	51	LEU	N-CA-CB	6.62	119.73	110.26
1	7M	51	LEU	N-CA-CB	6.62	119.73	110.26
1	1E	51	LEU	N-CA-CB	6.62	119.73	110.26
1	2M	51	LEU	N-CA-CB	6.62	119.73	110.26
1	22	51	LEU	N-CA-CB	6.62	119.73	110.26
1	3M	51	LEU	N-CA-CB	6.62	119.73	110.26
1	36	51	LEU	N-CA-CB	6.62	119.73	110.26
1	4I	51	LEU	N-CA-CB	6.62	119.73	110.26
1	4Q	51	LEU	N-CA-CB	6.62	119.73	110.26
1	5Y	51	LEU	N-CA-CB	6.62	119.73	110.26
1	6E	51	LEU	N-CA-CB	6.62	119.73	110.26
1	6Y	51	LEU	N-CA-CB	6.62	119.73	110.26
1	7I	51	LEU	N-CA-CB	6.62	119.73	110.26
1	7U	51	LEU	N-CA-CB	6.62	119.73	110.26
2	1N	228	ASP	N-CA-C	-6.62	96.70	110.80
1	12	182	PHE	CG-CD1-CE1	-6.62	109.45	120.70
1	16	182	PHE	CG-CD1-CE1	-6.62	109.45	120.70
1	2A	182	PHE	CG-CD1-CE1	-6.62	109.45	120.70
2	2J	228	ASP	N-CA-C	-6.62	96.70	110.80
2	3B	228	ASP	N-CA-C	-6.62	96.70	110.80
2	3J	228	ASP	N-CA-C	-6.62	96.70	110.80
1	3Q	182	PHE	CG-CD1-CE1	-6.62	109.45	120.70
1	3U	182	PHE	CG-CD1-CE1	-6.62	109.45	120.70
1	3Y	182	PHE	CG-CD1-CE1	-6.62	109.45	120.70
2	33	228	ASP	N-CA-C	-6.62	96.70	110.80
2	4F	228	ASP	N-CA-C	-6.62	96.70	110.80
2	4Z	228	ASP	N-CA-C	-6.62	96.70	110.80
1	5E	182	PHE	CG-CD1-CE1	-6.62	109.45	120.70
1	5I	182	PHE	CG-CD1-CE1	-6.62	109.45	120.70
1	5M	182	PHE	CG-CD1-CE1	-6.62	109.45	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	228	ASP	N-CA-C	-6.62	96.70	110.80
2	6N	228	ASP	N-CA-C	-6.62	96.70	110.80
2	6V	228	ASP	N-CA-C	-6.62	96.70	110.80
1	62	182	PHE	CG-CD1-CE1	-6.62	109.45	120.70
1	66	182	PHE	CG-CD1-CE1	-6.62	109.45	120.70
1	7A	182	PHE	CG-CD1-CE1	-6.62	109.45	120.70
2	7F	228	ASP	N-CA-C	-6.62	96.70	110.80
2	7R	228	ASP	N-CA-C	-6.62	96.70	110.80
2	13	228	ASP	N-CA-C	-6.61	96.72	110.80
2	17	228	ASP	N-CA-C	-6.61	96.72	110.80
2	2B	228	ASP	N-CA-C	-6.61	96.72	110.80
2	3R	228	ASP	N-CA-C	-6.61	96.72	110.80
2	3V	228	ASP	N-CA-C	-6.61	96.72	110.80
2	3Z	228	ASP	N-CA-C	-6.61	96.72	110.80
2	5F	228	ASP	N-CA-C	-6.61	96.72	110.80
2	5J	228	ASP	N-CA-C	-6.61	96.72	110.80
2	5N	228	ASP	N-CA-C	-6.61	96.72	110.80
2	63	228	ASP	N-CA-C	-6.61	96.72	110.80
2	67	228	ASP	N-CA-C	-6.61	96.72	110.80
2	7B	228	ASP	N-CA-C	-6.61	96.72	110.80
2	1B	157	THR	N-CA-CB	6.61	121.66	110.49
2	1J	157	THR	N-CA-CB	6.61	121.66	110.49
2	2F	157	THR	N-CA-CB	6.61	121.66	110.49
2	27	157	THR	N-CA-CB	6.61	121.66	110.49
2	3F	157	THR	N-CA-CB	6.61	121.66	110.49
2	4B	157	THR	N-CA-CB	6.61	121.66	110.49
2	4N	157	THR	N-CA-CB	6.61	121.66	110.49
2	4V	157	THR	N-CA-CB	6.61	121.66	110.49
2	5R	157	THR	N-CA-CB	6.61	121.66	110.49
2	6J	157	THR	N-CA-CB	6.61	121.66	110.49
2	6R	157	THR	N-CA-CB	6.61	121.66	110.49
2	7N	157	THR	N-CA-CB	6.61	121.66	110.49
2	1B	228	ASP	N-CA-C	-6.61	96.72	110.80
2	1F	157	THR	N-CA-CB	6.61	121.66	110.49
2	1J	228	ASP	N-CA-C	-6.61	96.72	110.80
2	2F	228	ASP	N-CA-C	-6.61	96.72	110.80
2	2N	157	THR	N-CA-CB	6.61	121.66	110.49
2	23	157	THR	N-CA-CB	6.61	121.66	110.49
2	27	228	ASP	N-CA-C	-6.61	96.72	110.80
2	3F	228	ASP	N-CA-C	-6.61	96.72	110.80
2	3N	157	THR	N-CA-CB	6.61	121.66	110.49
2	37	157	THR	N-CA-CB	6.61	121.66	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	228	ASP	N-CA-C	-6.61	96.72	110.80
2	4J	157	THR	N-CA-CB	6.61	121.66	110.49
2	4N	228	ASP	N-CA-C	-6.61	96.72	110.80
2	4R	157	THR	N-CA-CB	6.61	121.66	110.49
2	4V	228	ASP	N-CA-C	-6.61	96.72	110.80
2	5R	228	ASP	N-CA-C	-6.61	96.72	110.80
2	5Z	157	THR	N-CA-CB	6.61	121.66	110.49
2	6F	157	THR	N-CA-CB	6.61	121.66	110.49
2	6J	228	ASP	N-CA-C	-6.61	96.72	110.80
2	6R	228	ASP	N-CA-C	-6.61	96.72	110.80
2	6Z	157	THR	N-CA-CB	6.61	121.66	110.49
2	7J	157	THR	N-CA-CB	6.61	121.66	110.49
2	7N	228	ASP	N-CA-C	-6.61	96.72	110.80
2	7V	157	THR	N-CA-CB	6.61	121.66	110.49
2	1F	228	ASP	N-CA-C	-6.61	96.72	110.80
1	1Q	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	1U	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	1Y	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
2	2N	228	ASP	N-CA-C	-6.61	96.72	110.80
1	2Q	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	2U	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	2Y	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
2	23	228	ASP	N-CA-C	-6.61	96.72	110.80
2	3N	228	ASP	N-CA-C	-6.61	96.72	110.80
2	37	228	ASP	N-CA-C	-6.61	96.72	110.80
2	4J	228	ASP	N-CA-C	-6.61	96.72	110.80
2	4R	228	ASP	N-CA-C	-6.61	96.72	110.80
1	42	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	46	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	5A	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
2	5Z	228	ASP	N-CA-C	-6.61	96.72	110.80
1	52	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	56	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	6A	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
2	6F	228	ASP	N-CA-C	-6.61	96.72	110.80
2	6Z	228	ASP	N-CA-C	-6.61	96.72	110.80
2	7J	228	ASP	N-CA-C	-6.61	96.72	110.80
2	7V	228	ASP	N-CA-C	-6.61	96.72	110.80
1	1E	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	1Q	25	ASP	CB-CG-OD2	-6.61	103.21	118.40
1	1U	25	ASP	CB-CG-OD2	-6.61	103.21	118.40
1	1Y	25	ASP	CB-CG-OD2	-6.61	103.21	118.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	2Q	25	ASP	CB-CG-OD2	-6.61	103.21	118.40
1	2U	25	ASP	CB-CG-OD2	-6.61	103.21	118.40
1	2Y	25	ASP	CB-CG-OD2	-6.61	103.21	118.40
1	22	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	3M	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	36	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	4I	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	4Q	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	42	25	ASP	CB-CG-OD2	-6.61	103.21	118.40
1	46	25	ASP	CB-CG-OD2	-6.61	103.21	118.40
1	5A	25	ASP	CB-CG-OD2	-6.61	103.21	118.40
1	5Y	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	52	25	ASP	CB-CG-OD2	-6.61	103.21	118.40
1	56	25	ASP	CB-CG-OD2	-6.61	103.21	118.40
1	6A	25	ASP	CB-CG-OD2	-6.61	103.21	118.40
1	6E	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	6Y	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	7I	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
1	7U	182	PHE	CG-CD1-CE1	-6.61	109.47	120.70
2	1N	157	THR	N-CA-CB	6.60	121.65	110.49
2	2J	157	THR	N-CA-CB	6.60	121.65	110.49
2	3B	157	THR	N-CA-CB	6.60	121.65	110.49
2	3J	157	THR	N-CA-CB	6.60	121.65	110.49
2	33	157	THR	N-CA-CB	6.60	121.65	110.49
2	4F	157	THR	N-CA-CB	6.60	121.65	110.49
2	4Z	157	THR	N-CA-CB	6.60	121.65	110.49
2	5V	157	THR	N-CA-CB	6.60	121.65	110.49
2	6N	157	THR	N-CA-CB	6.60	121.65	110.49
2	6V	157	THR	N-CA-CB	6.60	121.65	110.49
2	7F	157	THR	N-CA-CB	6.60	121.65	110.49
2	7R	157	THR	N-CA-CB	6.60	121.65	110.49
1	1M	182	PHE	CG-CD1-CE1	-6.60	109.47	120.70
2	1R	228	ASP	N-CA-C	-6.60	96.74	110.80
2	1V	228	ASP	N-CA-C	-6.60	96.74	110.80
2	1Z	228	ASP	N-CA-C	-6.60	96.74	110.80
1	2I	182	PHE	CG-CD1-CE1	-6.60	109.47	120.70
2	2R	228	ASP	N-CA-C	-6.60	96.74	110.80
2	2V	228	ASP	N-CA-C	-6.60	96.74	110.80
2	2Z	228	ASP	N-CA-C	-6.60	96.74	110.80
1	3A	182	PHE	CG-CD1-CE1	-6.60	109.47	120.70
1	3I	182	PHE	CG-CD1-CE1	-6.60	109.47	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	182	PHE	CG-CD1-CE1	-6.60	109.47	120.70
1	4E	182	PHE	CG-CD1-CE1	-6.60	109.47	120.70
1	4Y	182	PHE	CG-CD1-CE1	-6.60	109.47	120.70
2	43	228	ASP	N-CA-C	-6.60	96.74	110.80
2	47	228	ASP	N-CA-C	-6.60	96.74	110.80
2	5B	228	ASP	N-CA-C	-6.60	96.74	110.80
1	5U	182	PHE	CG-CD1-CE1	-6.60	109.47	120.70
2	53	228	ASP	N-CA-C	-6.60	96.74	110.80
2	57	228	ASP	N-CA-C	-6.60	96.74	110.80
2	6B	228	ASP	N-CA-C	-6.60	96.74	110.80
1	6M	182	PHE	CG-CD1-CE1	-6.60	109.47	120.70
1	6U	182	PHE	CG-CD1-CE1	-6.60	109.47	120.70
1	7E	182	PHE	CG-CD1-CE1	-6.60	109.47	120.70
1	7Q	182	PHE	CG-CD1-CE1	-6.60	109.47	120.70
1	1Q	51	LEU	N-CA-CB	6.60	119.70	110.26
1	1U	51	LEU	N-CA-CB	6.60	119.70	110.26
1	1Y	51	LEU	N-CA-CB	6.60	119.70	110.26
1	2Q	51	LEU	N-CA-CB	6.60	119.70	110.26
1	2U	51	LEU	N-CA-CB	6.60	119.70	110.26
1	2Y	51	LEU	N-CA-CB	6.60	119.70	110.26
1	42	51	LEU	N-CA-CB	6.60	119.70	110.26
1	46	51	LEU	N-CA-CB	6.60	119.70	110.26
1	5A	51	LEU	N-CA-CB	6.60	119.70	110.26
1	52	51	LEU	N-CA-CB	6.60	119.70	110.26
1	56	51	LEU	N-CA-CB	6.60	119.70	110.26
1	6A	51	LEU	N-CA-CB	6.60	119.70	110.26
2	1R	157	THR	N-CA-CB	6.60	121.64	110.49
2	1V	157	THR	N-CA-CB	6.60	121.64	110.49
2	1Z	157	THR	N-CA-CB	6.60	121.64	110.49
1	12	51	LEU	N-CA-CB	6.60	119.69	110.26
1	16	51	LEU	N-CA-CB	6.60	119.69	110.26
1	2A	51	LEU	N-CA-CB	6.60	119.69	110.26
2	2R	157	THR	N-CA-CB	6.60	121.64	110.49
2	2V	157	THR	N-CA-CB	6.60	121.64	110.49
2	2Z	157	THR	N-CA-CB	6.60	121.64	110.49
1	3Q	51	LEU	N-CA-CB	6.60	119.69	110.26
1	3U	51	LEU	N-CA-CB	6.60	119.69	110.26
1	3Y	51	LEU	N-CA-CB	6.60	119.69	110.26
2	43	157	THR	N-CA-CB	6.60	121.64	110.49
2	47	157	THR	N-CA-CB	6.60	121.64	110.49
2	5B	157	THR	N-CA-CB	6.60	121.64	110.49
1	5E	51	LEU	N-CA-CB	6.60	119.69	110.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5I	51	LEU	N-CA-CB	6.60	119.69	110.26
1	5M	51	LEU	N-CA-CB	6.60	119.69	110.26
2	53	157	THR	N-CA-CB	6.60	121.64	110.49
2	57	157	THR	N-CA-CB	6.60	121.64	110.49
2	6B	157	THR	N-CA-CB	6.60	121.64	110.49
1	62	51	LEU	N-CA-CB	6.60	119.69	110.26
1	66	51	LEU	N-CA-CB	6.60	119.69	110.26
1	7A	51	LEU	N-CA-CB	6.60	119.69	110.26
1	1A	182	PHE	CG-CD1-CE1	-6.59	109.49	120.70
1	1I	182	PHE	CG-CD1-CE1	-6.59	109.49	120.70
1	12	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	16	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	2A	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	2E	182	PHE	CG-CD1-CE1	-6.59	109.49	120.70
1	26	182	PHE	CG-CD1-CE1	-6.59	109.49	120.70
1	3E	182	PHE	CG-CD1-CE1	-6.59	109.49	120.70
1	3Q	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	3U	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	3Y	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	4A	182	PHE	CG-CD1-CE1	-6.59	109.49	120.70
1	4M	182	PHE	CG-CD1-CE1	-6.59	109.49	120.70
1	4U	182	PHE	CG-CD1-CE1	-6.59	109.49	120.70
1	5E	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	5I	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	5M	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	5Q	182	PHE	CG-CD1-CE1	-6.59	109.49	120.70
1	6I	182	PHE	CG-CD1-CE1	-6.59	109.49	120.70
1	6Q	182	PHE	CG-CD1-CE1	-6.59	109.49	120.70
1	62	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	66	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	7A	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	7M	182	PHE	CG-CD1-CE1	-6.59	109.49	120.70
1	1A	25	ASP	CB-CG-OD2	-6.59	103.23	118.40
1	1E	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	1I	25	ASP	CB-CG-OD2	-6.59	103.23	118.40
1	1Q	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	1U	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	1Y	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	2E	25	ASP	CB-CG-OD2	-6.59	103.23	118.40
1	2M	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	2Q	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	2U	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2Y	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	22	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	26	25	ASP	CB-CG-OD2	-6.59	103.23	118.40
1	3E	25	ASP	CB-CG-OD2	-6.59	103.23	118.40
1	3M	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	36	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	4A	25	ASP	CB-CG-OD2	-6.59	103.23	118.40
1	4I	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	4M	25	ASP	CB-CG-OD2	-6.59	103.23	118.40
1	4Q	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	4U	25	ASP	CB-CG-OD2	-6.59	103.23	118.40
1	42	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	46	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	5A	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	5Q	25	ASP	CB-CG-OD2	-6.59	103.23	118.40
1	5Y	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	52	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	56	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	6A	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	6E	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	6I	25	ASP	CB-CG-OD2	-6.59	103.23	118.40
1	6Q	25	ASP	CB-CG-OD2	-6.59	103.23	118.40
1	6Y	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	7I	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	7M	25	ASP	CB-CG-OD2	-6.59	103.23	118.40
1	7U	52	PHE	CE1-CZ-CE2	-6.59	108.13	120.00
1	1M	52	PHE	CE1-CZ-CE2	-6.59	108.14	120.00
1	12	25	ASP	CB-CG-OD2	-6.59	103.24	118.40
1	16	25	ASP	CB-CG-OD2	-6.59	103.24	118.40
1	2A	25	ASP	CB-CG-OD2	-6.59	103.24	118.40
1	2I	52	PHE	CE1-CZ-CE2	-6.59	108.14	120.00
1	3A	52	PHE	CE1-CZ-CE2	-6.59	108.14	120.00
1	3I	52	PHE	CE1-CZ-CE2	-6.59	108.14	120.00
1	3Q	25	ASP	CB-CG-OD2	-6.59	103.24	118.40
1	3U	25	ASP	CB-CG-OD2	-6.59	103.24	118.40
1	3Y	25	ASP	CB-CG-OD2	-6.59	103.24	118.40
1	32	52	PHE	CE1-CZ-CE2	-6.59	108.14	120.00
1	4E	52	PHE	CE1-CZ-CE2	-6.59	108.14	120.00
1	4Y	52	PHE	CE1-CZ-CE2	-6.59	108.14	120.00
1	5E	25	ASP	CB-CG-OD2	-6.59	103.24	118.40
1	5I	25	ASP	CB-CG-OD2	-6.59	103.24	118.40
1	5M	25	ASP	CB-CG-OD2	-6.59	103.24	118.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5U	52	PHE	CE1-CZ-CE2	-6.59	108.14	120.00
1	6M	52	PHE	CE1-CZ-CE2	-6.59	108.14	120.00
1	6U	52	PHE	CE1-CZ-CE2	-6.59	108.14	120.00
1	62	25	ASP	CB-CG-OD2	-6.59	103.24	118.40
1	66	25	ASP	CB-CG-OD2	-6.59	103.24	118.40
1	7A	25	ASP	CB-CG-OD2	-6.59	103.24	118.40
1	7E	52	PHE	CE1-CZ-CE2	-6.59	108.14	120.00
1	7Q	52	PHE	CE1-CZ-CE2	-6.59	108.14	120.00
1	1M	51	LEU	N-CA-CB	6.59	119.68	110.26
1	2I	51	LEU	N-CA-CB	6.59	119.68	110.26
1	3A	51	LEU	N-CA-CB	6.59	119.68	110.26
1	3I	51	LEU	N-CA-CB	6.59	119.68	110.26
1	32	51	LEU	N-CA-CB	6.59	119.68	110.26
1	4E	51	LEU	N-CA-CB	6.59	119.68	110.26
1	4Y	51	LEU	N-CA-CB	6.59	119.68	110.26
1	5U	51	LEU	N-CA-CB	6.59	119.68	110.26
1	6M	51	LEU	N-CA-CB	6.59	119.68	110.26
1	6U	51	LEU	N-CA-CB	6.59	119.68	110.26
1	7E	51	LEU	N-CA-CB	6.59	119.68	110.26
1	7Q	51	LEU	N-CA-CB	6.59	119.68	110.26
1	1E	25	ASP	CB-CG-OD2	-6.59	103.25	118.40
1	2M	25	ASP	CB-CG-OD2	-6.59	103.25	118.40
1	22	25	ASP	CB-CG-OD2	-6.59	103.25	118.40
1	3M	25	ASP	CB-CG-OD2	-6.59	103.25	118.40
1	36	25	ASP	CB-CG-OD2	-6.59	103.25	118.40
1	4I	25	ASP	CB-CG-OD2	-6.59	103.25	118.40
1	4Q	25	ASP	CB-CG-OD2	-6.59	103.25	118.40
1	5Y	25	ASP	CB-CG-OD2	-6.59	103.25	118.40
1	6E	25	ASP	CB-CG-OD2	-6.59	103.25	118.40
1	6Y	25	ASP	CB-CG-OD2	-6.59	103.25	118.40
1	7I	25	ASP	CB-CG-OD2	-6.59	103.25	118.40
1	7U	25	ASP	CB-CG-OD2	-6.59	103.25	118.40
1	1M	25	ASP	CB-CG-OD2	-6.58	103.25	118.40
1	2I	25	ASP	CB-CG-OD2	-6.58	103.25	118.40
1	3A	25	ASP	CB-CG-OD2	-6.58	103.25	118.40
1	3I	25	ASP	CB-CG-OD2	-6.58	103.25	118.40
1	32	25	ASP	CB-CG-OD2	-6.58	103.25	118.40
1	4E	25	ASP	CB-CG-OD2	-6.58	103.25	118.40
1	4Y	25	ASP	CB-CG-OD2	-6.58	103.25	118.40
1	5U	25	ASP	CB-CG-OD2	-6.58	103.25	118.40
1	6M	25	ASP	CB-CG-OD2	-6.58	103.25	118.40
1	6U	25	ASP	CB-CG-OD2	-6.58	103.25	118.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	25	ASP	CB-CG-OD2	-6.58	103.25	118.40
1	7Q	25	ASP	CB-CG-OD2	-6.58	103.25	118.40
1	1A	52	PHE	CE1-CZ-CE2	-6.58	108.15	120.00
1	1I	52	PHE	CE1-CZ-CE2	-6.58	108.15	120.00
1	2E	52	PHE	CE1-CZ-CE2	-6.58	108.15	120.00
1	26	52	PHE	CE1-CZ-CE2	-6.58	108.15	120.00
1	3E	52	PHE	CE1-CZ-CE2	-6.58	108.15	120.00
1	4A	52	PHE	CE1-CZ-CE2	-6.58	108.15	120.00
1	4M	52	PHE	CE1-CZ-CE2	-6.58	108.15	120.00
1	4U	52	PHE	CE1-CZ-CE2	-6.58	108.15	120.00
1	5Q	52	PHE	CE1-CZ-CE2	-6.58	108.15	120.00
1	6I	52	PHE	CE1-CZ-CE2	-6.58	108.15	120.00
1	6Q	52	PHE	CE1-CZ-CE2	-6.58	108.15	120.00
1	7M	52	PHE	CE1-CZ-CE2	-6.58	108.15	120.00
2	1F	50	THR	N-CA-C	6.56	124.78	110.80
2	2N	50	THR	N-CA-C	6.56	124.78	110.80
2	23	50	THR	N-CA-C	6.56	124.78	110.80
2	3N	50	THR	N-CA-C	6.56	124.78	110.80
2	37	50	THR	N-CA-C	6.56	124.78	110.80
2	4J	50	THR	N-CA-C	6.56	124.78	110.80
2	4R	50	THR	N-CA-C	6.56	124.78	110.80
2	5Z	50	THR	N-CA-C	6.56	124.78	110.80
2	6F	50	THR	N-CA-C	6.56	124.78	110.80
2	6Z	50	THR	N-CA-C	6.56	124.78	110.80
2	7J	50	THR	N-CA-C	6.56	124.78	110.80
2	7V	50	THR	N-CA-C	6.56	124.78	110.80
2	13	50	THR	N-CA-C	6.56	124.77	110.80
2	17	50	THR	N-CA-C	6.56	124.77	110.80
2	2B	50	THR	N-CA-C	6.56	124.77	110.80
2	3R	50	THR	N-CA-C	6.56	124.77	110.80
2	3V	50	THR	N-CA-C	6.56	124.77	110.80
2	3Z	50	THR	N-CA-C	6.56	124.77	110.80
2	5F	50	THR	N-CA-C	6.56	124.77	110.80
2	5J	50	THR	N-CA-C	6.56	124.77	110.80
2	5N	50	THR	N-CA-C	6.56	124.77	110.80
2	63	50	THR	N-CA-C	6.56	124.77	110.80
2	67	50	THR	N-CA-C	6.56	124.77	110.80
2	7B	50	THR	N-CA-C	6.56	124.77	110.80
3	1G	55	ALA	O-C-N	-6.55	114.66	122.65
3	2O	55	ALA	O-C-N	-6.55	114.66	122.65
3	24	55	ALA	O-C-N	-6.55	114.66	122.65
3	3O	55	ALA	O-C-N	-6.55	114.66	122.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	38	55	ALA	O-C-N	-6.55	114.66	122.65
3	4K	55	ALA	O-C-N	-6.55	114.66	122.65
3	4S	55	ALA	O-C-N	-6.55	114.66	122.65
3	50	55	ALA	O-C-N	-6.55	114.66	122.65
3	6G	55	ALA	O-C-N	-6.55	114.66	122.65
3	60	55	ALA	O-C-N	-6.55	114.66	122.65
3	7K	55	ALA	O-C-N	-6.55	114.66	122.65
3	7W	55	ALA	O-C-N	-6.55	114.66	122.65
2	1B	50	THR	N-CA-C	6.55	124.75	110.80
2	1B	52	ASP	N-CA-CB	6.55	121.06	110.51
2	1J	50	THR	N-CA-C	6.55	124.75	110.80
2	1J	52	ASP	N-CA-CB	6.55	121.06	110.51
2	13	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	17	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	2B	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	2F	50	THR	N-CA-C	6.55	124.75	110.80
2	2F	52	ASP	N-CA-CB	6.55	121.06	110.51
2	27	50	THR	N-CA-C	6.55	124.75	110.80
2	27	52	ASP	N-CA-CB	6.55	121.06	110.51
2	3F	50	THR	N-CA-C	6.55	124.75	110.80
2	3F	52	ASP	N-CA-CB	6.55	121.06	110.51
2	3R	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	3V	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	3Z	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	4B	50	THR	N-CA-C	6.55	124.75	110.80
2	4B	52	ASP	N-CA-CB	6.55	121.06	110.51
2	4N	50	THR	N-CA-C	6.55	124.75	110.80
2	4N	52	ASP	N-CA-CB	6.55	121.06	110.51
2	4V	50	THR	N-CA-C	6.55	124.75	110.80
2	4V	52	ASP	N-CA-CB	6.55	121.06	110.51
2	5F	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	5J	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	5N	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	5R	50	THR	N-CA-C	6.55	124.75	110.80
2	5R	52	ASP	N-CA-CB	6.55	121.06	110.51
2	6J	50	THR	N-CA-C	6.55	124.75	110.80
2	6J	52	ASP	N-CA-CB	6.55	121.06	110.51
2	6R	50	THR	N-CA-C	6.55	124.75	110.80
2	6R	52	ASP	N-CA-CB	6.55	121.06	110.51
2	63	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	67	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	7B	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	50	THR	N-CA-C	6.55	124.75	110.80
2	7N	52	ASP	N-CA-CB	6.55	121.06	110.51
2	1B	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	1J	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	1N	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	1R	52	ASP	N-CA-CB	6.55	121.05	110.51
3	1S	55	ALA	O-C-N	-6.55	114.66	122.65
2	1V	52	ASP	N-CA-CB	6.55	121.05	110.51
3	1W	55	ALA	O-C-N	-6.55	114.66	122.65
2	1Z	52	ASP	N-CA-CB	6.55	121.05	110.51
3	10	55	ALA	O-C-N	-6.55	114.66	122.65
2	2F	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	2J	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	2R	52	ASP	N-CA-CB	6.55	121.05	110.51
3	2S	55	ALA	O-C-N	-6.55	114.66	122.65
2	2V	52	ASP	N-CA-CB	6.55	121.05	110.51
3	2W	55	ALA	O-C-N	-6.55	114.66	122.65
2	2Z	52	ASP	N-CA-CB	6.55	121.05	110.51
3	20	55	ALA	O-C-N	-6.55	114.66	122.65
2	27	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	3B	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	3F	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	3J	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	33	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	4B	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	4F	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	4N	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	4V	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	4Z	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	43	52	ASP	N-CA-CB	6.55	121.05	110.51
3	44	55	ALA	O-C-N	-6.55	114.66	122.65
2	47	52	ASP	N-CA-CB	6.55	121.05	110.51
3	48	55	ALA	O-C-N	-6.55	114.66	122.65
2	5B	52	ASP	N-CA-CB	6.55	121.05	110.51
3	5C	55	ALA	O-C-N	-6.55	114.66	122.65
2	5R	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	5V	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	53	52	ASP	N-CA-CB	6.55	121.05	110.51
3	54	55	ALA	O-C-N	-6.55	114.66	122.65
2	57	52	ASP	N-CA-CB	6.55	121.05	110.51
3	58	55	ALA	O-C-N	-6.55	114.66	122.65
2	6B	52	ASP	N-CA-CB	6.55	121.05	110.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6C	55	ALA	O-C-N	-6.55	114.66	122.65
2	6J	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	6N	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	6R	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	6V	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	7F	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	7N	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	7R	70	TRP	CG-CD1-NE1	-6.55	101.69	110.20
2	1F	70	TRP	CG-CD1-NE1	-6.54	101.69	110.20
2	2N	70	TRP	CG-CD1-NE1	-6.54	101.69	110.20
2	23	70	TRP	CG-CD1-NE1	-6.54	101.69	110.20
2	3N	70	TRP	CG-CD1-NE1	-6.54	101.69	110.20
2	37	70	TRP	CG-CD1-NE1	-6.54	101.69	110.20
2	4J	70	TRP	CG-CD1-NE1	-6.54	101.69	110.20
2	4R	70	TRP	CG-CD1-NE1	-6.54	101.69	110.20
2	5Z	70	TRP	CG-CD1-NE1	-6.54	101.69	110.20
2	6F	70	TRP	CG-CD1-NE1	-6.54	101.69	110.20
2	6Z	70	TRP	CG-CD1-NE1	-6.54	101.69	110.20
2	7J	70	TRP	CG-CD1-NE1	-6.54	101.69	110.20
2	7V	70	TRP	CG-CD1-NE1	-6.54	101.69	110.20
2	1R	108	HIS	N-CA-C	6.54	124.73	110.80
2	1V	108	HIS	N-CA-C	6.54	124.73	110.80
2	1Z	108	HIS	N-CA-C	6.54	124.73	110.80
2	13	52	ASP	N-CA-CB	6.54	121.04	110.51
2	17	52	ASP	N-CA-CB	6.54	121.04	110.51
2	2B	52	ASP	N-CA-CB	6.54	121.04	110.51
2	2R	108	HIS	N-CA-C	6.54	124.73	110.80
2	2V	108	HIS	N-CA-C	6.54	124.73	110.80
2	2Z	108	HIS	N-CA-C	6.54	124.73	110.80
2	3R	52	ASP	N-CA-CB	6.54	121.04	110.51
2	3V	52	ASP	N-CA-CB	6.54	121.04	110.51
2	3Z	52	ASP	N-CA-CB	6.54	121.04	110.51
2	43	108	HIS	N-CA-C	6.54	124.73	110.80
2	47	108	HIS	N-CA-C	6.54	124.73	110.80
2	5B	108	HIS	N-CA-C	6.54	124.73	110.80
2	5F	52	ASP	N-CA-CB	6.54	121.04	110.51
2	5J	52	ASP	N-CA-CB	6.54	121.04	110.51
2	5N	52	ASP	N-CA-CB	6.54	121.04	110.51
2	53	108	HIS	N-CA-C	6.54	124.73	110.80
2	57	108	HIS	N-CA-C	6.54	124.73	110.80
2	6B	108	HIS	N-CA-C	6.54	124.73	110.80
2	63	52	ASP	N-CA-CB	6.54	121.04	110.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	52	ASP	N-CA-CB	6.54	121.04	110.51
2	7B	52	ASP	N-CA-CB	6.54	121.04	110.51
2	1B	108	HIS	N-CA-C	6.54	124.73	110.80
2	1F	108	HIS	N-CA-C	6.54	124.73	110.80
2	1J	108	HIS	N-CA-C	6.54	124.73	110.80
2	2F	108	HIS	N-CA-C	6.54	124.73	110.80
2	2N	108	HIS	N-CA-C	6.54	124.73	110.80
2	23	108	HIS	N-CA-C	6.54	124.73	110.80
2	27	108	HIS	N-CA-C	6.54	124.73	110.80
2	3F	108	HIS	N-CA-C	6.54	124.73	110.80
2	3N	108	HIS	N-CA-C	6.54	124.73	110.80
2	37	108	HIS	N-CA-C	6.54	124.73	110.80
2	4B	108	HIS	N-CA-C	6.54	124.73	110.80
2	4J	108	HIS	N-CA-C	6.54	124.73	110.80
2	4N	108	HIS	N-CA-C	6.54	124.73	110.80
2	4R	108	HIS	N-CA-C	6.54	124.73	110.80
2	4V	108	HIS	N-CA-C	6.54	124.73	110.80
2	5R	108	HIS	N-CA-C	6.54	124.73	110.80
2	5Z	108	HIS	N-CA-C	6.54	124.73	110.80
2	6F	108	HIS	N-CA-C	6.54	124.73	110.80
2	6J	108	HIS	N-CA-C	6.54	124.73	110.80
2	6R	108	HIS	N-CA-C	6.54	124.73	110.80
2	6Z	108	HIS	N-CA-C	6.54	124.73	110.80
2	7J	108	HIS	N-CA-C	6.54	124.73	110.80
2	7N	108	HIS	N-CA-C	6.54	124.73	110.80
2	7V	108	HIS	N-CA-C	6.54	124.73	110.80
2	1N	68	PRO	CB-CA-C	-6.54	100.78	111.56
2	1N	108	HIS	N-CA-C	6.54	124.72	110.80
2	1R	50	THR	N-CA-C	6.54	124.72	110.80
2	1V	50	THR	N-CA-C	6.54	124.72	110.80
2	1Z	50	THR	N-CA-C	6.54	124.72	110.80
2	13	108	HIS	N-CA-C	6.54	124.72	110.80
2	17	108	HIS	N-CA-C	6.54	124.72	110.80
2	2B	108	HIS	N-CA-C	6.54	124.72	110.80
2	2J	68	PRO	CB-CA-C	-6.54	100.78	111.56
2	2J	108	HIS	N-CA-C	6.54	124.72	110.80
2	2R	50	THR	N-CA-C	6.54	124.72	110.80
2	2V	50	THR	N-CA-C	6.54	124.72	110.80
2	2Z	50	THR	N-CA-C	6.54	124.72	110.80
2	3B	68	PRO	CB-CA-C	-6.54	100.78	111.56
2	3B	108	HIS	N-CA-C	6.54	124.72	110.80
2	3J	68	PRO	CB-CA-C	-6.54	100.78	111.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3J	108	HIS	N-CA-C	6.54	124.72	110.80
2	3R	108	HIS	N-CA-C	6.54	124.72	110.80
2	3V	108	HIS	N-CA-C	6.54	124.72	110.80
2	3Z	108	HIS	N-CA-C	6.54	124.72	110.80
2	33	68	PRO	CB-CA-C	-6.54	100.78	111.56
2	33	108	HIS	N-CA-C	6.54	124.72	110.80
2	4F	68	PRO	CB-CA-C	-6.54	100.78	111.56
2	4F	108	HIS	N-CA-C	6.54	124.72	110.80
2	4Z	68	PRO	CB-CA-C	-6.54	100.78	111.56
2	4Z	108	HIS	N-CA-C	6.54	124.72	110.80
2	43	50	THR	N-CA-C	6.54	124.72	110.80
2	47	50	THR	N-CA-C	6.54	124.72	110.80
2	5B	50	THR	N-CA-C	6.54	124.72	110.80
2	5F	108	HIS	N-CA-C	6.54	124.72	110.80
2	5J	108	HIS	N-CA-C	6.54	124.72	110.80
2	5N	108	HIS	N-CA-C	6.54	124.72	110.80
2	5V	68	PRO	CB-CA-C	-6.54	100.78	111.56
2	5V	108	HIS	N-CA-C	6.54	124.72	110.80
2	53	50	THR	N-CA-C	6.54	124.72	110.80
2	57	50	THR	N-CA-C	6.54	124.72	110.80
2	6B	50	THR	N-CA-C	6.54	124.72	110.80
2	6N	68	PRO	CB-CA-C	-6.54	100.78	111.56
2	6N	108	HIS	N-CA-C	6.54	124.72	110.80
2	6V	68	PRO	CB-CA-C	-6.54	100.78	111.56
2	6V	108	HIS	N-CA-C	6.54	124.72	110.80
2	63	108	HIS	N-CA-C	6.54	124.72	110.80
2	67	108	HIS	N-CA-C	6.54	124.72	110.80
2	7B	108	HIS	N-CA-C	6.54	124.72	110.80
2	7F	68	PRO	CB-CA-C	-6.54	100.78	111.56
2	7F	108	HIS	N-CA-C	6.54	124.72	110.80
2	7R	68	PRO	CB-CA-C	-6.54	100.78	111.56
2	7R	108	HIS	N-CA-C	6.54	124.72	110.80
2	1B	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	1J	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	2F	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	27	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	3F	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	4B	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	4N	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	4V	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	5R	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	6J	68	PRO	CB-CA-C	-6.53	100.78	111.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	7N	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	13	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	17	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	2B	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	3R	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	3V	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	3Z	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	5F	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	5J	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	5N	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	63	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	67	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	7B	68	PRO	CB-CA-C	-6.53	100.78	111.56
3	1C	55	ALA	O-C-N	-6.53	114.68	122.65
2	1F	52	ASP	N-CA-CB	6.53	121.03	110.51
2	1F	68	PRO	CB-CA-C	-6.53	100.78	111.56
3	1K	55	ALA	O-C-N	-6.53	114.68	122.65
1	1Q	19	SER	O-C-N	-6.53	113.54	122.81
1	1U	19	SER	O-C-N	-6.53	113.54	122.81
1	1Y	19	SER	O-C-N	-6.53	113.54	122.81
3	2G	55	ALA	O-C-N	-6.53	114.68	122.65
2	2N	52	ASP	N-CA-CB	6.53	121.03	110.51
2	2N	68	PRO	CB-CA-C	-6.53	100.78	111.56
1	2Q	19	SER	O-C-N	-6.53	113.54	122.81
1	2U	19	SER	O-C-N	-6.53	113.54	122.81
1	2Y	19	SER	O-C-N	-6.53	113.54	122.81
2	23	52	ASP	N-CA-CB	6.53	121.03	110.51
2	23	68	PRO	CB-CA-C	-6.53	100.78	111.56
3	28	55	ALA	O-C-N	-6.53	114.68	122.65
3	3G	55	ALA	O-C-N	-6.53	114.68	122.65
2	3N	52	ASP	N-CA-CB	6.53	121.03	110.51
2	3N	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	37	52	ASP	N-CA-CB	6.53	121.03	110.51
2	37	68	PRO	CB-CA-C	-6.53	100.78	111.56
3	4C	55	ALA	O-C-N	-6.53	114.68	122.65
2	4J	52	ASP	N-CA-CB	6.53	121.03	110.51
2	4J	68	PRO	CB-CA-C	-6.53	100.78	111.56
3	4O	55	ALA	O-C-N	-6.53	114.68	122.65
2	4R	52	ASP	N-CA-CB	6.53	121.03	110.51
2	4R	68	PRO	CB-CA-C	-6.53	100.78	111.56
3	4W	55	ALA	O-C-N	-6.53	114.68	122.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	42	19	SER	O-C-N	-6.53	113.54	122.81
1	46	19	SER	O-C-N	-6.53	113.54	122.81
1	5A	19	SER	O-C-N	-6.53	113.54	122.81
3	5S	55	ALA	O-C-N	-6.53	114.68	122.65
2	5Z	52	ASP	N-CA-CB	6.53	121.03	110.51
2	5Z	68	PRO	CB-CA-C	-6.53	100.78	111.56
1	52	19	SER	O-C-N	-6.53	113.54	122.81
1	56	19	SER	O-C-N	-6.53	113.54	122.81
1	6A	19	SER	O-C-N	-6.53	113.54	122.81
2	6F	52	ASP	N-CA-CB	6.53	121.03	110.51
2	6F	68	PRO	CB-CA-C	-6.53	100.78	111.56
3	6K	55	ALA	O-C-N	-6.53	114.68	122.65
3	6S	55	ALA	O-C-N	-6.53	114.68	122.65
2	6Z	52	ASP	N-CA-CB	6.53	121.03	110.51
2	6Z	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	7J	52	ASP	N-CA-CB	6.53	121.03	110.51
2	7J	68	PRO	CB-CA-C	-6.53	100.78	111.56
3	7O	55	ALA	O-C-N	-6.53	114.68	122.65
2	7V	52	ASP	N-CA-CB	6.53	121.03	110.51
2	7V	68	PRO	CB-CA-C	-6.53	100.78	111.56
2	1R	70	TRP	CG-CD1-NE1	-6.53	101.71	110.20
2	1R	226	ILE	CB-CG1-CD1	-6.53	100.09	113.80
2	1V	70	TRP	CG-CD1-NE1	-6.53	101.71	110.20
2	1V	226	ILE	CB-CG1-CD1	-6.53	100.09	113.80
2	1Z	70	TRP	CG-CD1-NE1	-6.53	101.71	110.20
2	1Z	226	ILE	CB-CG1-CD1	-6.53	100.09	113.80
2	2R	70	TRP	CG-CD1-NE1	-6.53	101.71	110.20
2	2R	226	ILE	CB-CG1-CD1	-6.53	100.09	113.80
2	2V	70	TRP	CG-CD1-NE1	-6.53	101.71	110.20
2	2V	226	ILE	CB-CG1-CD1	-6.53	100.09	113.80
2	2Z	70	TRP	CG-CD1-NE1	-6.53	101.71	110.20
2	2Z	226	ILE	CB-CG1-CD1	-6.53	100.09	113.80
2	43	70	TRP	CG-CD1-NE1	-6.53	101.71	110.20
2	43	226	ILE	CB-CG1-CD1	-6.53	100.09	113.80
2	47	70	TRP	CG-CD1-NE1	-6.53	101.71	110.20
2	47	226	ILE	CB-CG1-CD1	-6.53	100.09	113.80
2	5B	70	TRP	CG-CD1-NE1	-6.53	101.71	110.20
2	5B	226	ILE	CB-CG1-CD1	-6.53	100.09	113.80
2	53	70	TRP	CG-CD1-NE1	-6.53	101.71	110.20
2	53	226	ILE	CB-CG1-CD1	-6.53	100.09	113.80
2	57	70	TRP	CG-CD1-NE1	-6.53	101.71	110.20
2	57	226	ILE	CB-CG1-CD1	-6.53	100.09	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6B	70	TRP	CG-CD1-NE1	-6.53	101.71	110.20
2	6B	226	ILE	CB-CG1-CD1	-6.53	100.09	113.80
2	1N	50	THR	N-CA-C	6.53	124.70	110.80
2	1N	52	ASP	N-CA-CB	6.53	121.02	110.51
2	2J	50	THR	N-CA-C	6.53	124.70	110.80
2	2J	52	ASP	N-CA-CB	6.53	121.02	110.51
2	3B	50	THR	N-CA-C	6.53	124.70	110.80
2	3B	52	ASP	N-CA-CB	6.53	121.02	110.51
2	3J	50	THR	N-CA-C	6.53	124.70	110.80
2	3J	52	ASP	N-CA-CB	6.53	121.02	110.51
2	33	50	THR	N-CA-C	6.53	124.70	110.80
2	33	52	ASP	N-CA-CB	6.53	121.02	110.51
2	4F	50	THR	N-CA-C	6.53	124.70	110.80
2	4F	52	ASP	N-CA-CB	6.53	121.02	110.51
2	4Z	50	THR	N-CA-C	6.53	124.70	110.80
2	4Z	52	ASP	N-CA-CB	6.53	121.02	110.51
2	5V	50	THR	N-CA-C	6.53	124.70	110.80
2	5V	52	ASP	N-CA-CB	6.53	121.02	110.51
2	6N	50	THR	N-CA-C	6.53	124.70	110.80
2	6N	52	ASP	N-CA-CB	6.53	121.02	110.51
2	6V	50	THR	N-CA-C	6.53	124.70	110.80
2	6V	52	ASP	N-CA-CB	6.53	121.02	110.51
2	7F	50	THR	N-CA-C	6.53	124.70	110.80
2	7F	52	ASP	N-CA-CB	6.53	121.02	110.51
2	7R	50	THR	N-CA-C	6.53	124.70	110.80
2	7R	52	ASP	N-CA-CB	6.53	121.02	110.51
2	13	226	ILE	CB-CG1-CD1	-6.52	100.10	113.80
3	14	55	ALA	O-C-N	-6.52	114.69	122.65
2	17	226	ILE	CB-CG1-CD1	-6.52	100.10	113.80
3	18	55	ALA	O-C-N	-6.52	114.69	122.65
2	2B	226	ILE	CB-CG1-CD1	-6.52	100.10	113.80
3	2C	55	ALA	O-C-N	-6.52	114.69	122.65
2	3R	226	ILE	CB-CG1-CD1	-6.52	100.10	113.80
3	3S	55	ALA	O-C-N	-6.52	114.69	122.65
2	3V	226	ILE	CB-CG1-CD1	-6.52	100.10	113.80
3	3W	55	ALA	O-C-N	-6.52	114.69	122.65
2	3Z	226	ILE	CB-CG1-CD1	-6.52	100.10	113.80
3	30	55	ALA	O-C-N	-6.52	114.69	122.65
2	5F	226	ILE	CB-CG1-CD1	-6.52	100.10	113.80
3	5G	55	ALA	O-C-N	-6.52	114.69	122.65
2	5J	226	ILE	CB-CG1-CD1	-6.52	100.10	113.80
3	5K	55	ALA	O-C-N	-6.52	114.69	122.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5N	226	ILE	CB-CG1-CD1	-6.52	100.10	113.80
3	5O	55	ALA	O-C-N	-6.52	114.69	122.65
2	63	226	ILE	CB-CG1-CD1	-6.52	100.10	113.80
3	64	55	ALA	O-C-N	-6.52	114.69	122.65
2	67	226	ILE	CB-CG1-CD1	-6.52	100.10	113.80
3	68	55	ALA	O-C-N	-6.52	114.69	122.65
2	7B	226	ILE	CB-CG1-CD1	-6.52	100.10	113.80
3	7C	55	ALA	O-C-N	-6.52	114.69	122.65
1	1M	179	VAL	O-C-N	6.52	128.28	121.89
2	1R	68	PRO	CB-CA-C	-6.52	100.80	111.56
2	1V	68	PRO	CB-CA-C	-6.52	100.80	111.56
2	1Z	68	PRO	CB-CA-C	-6.52	100.80	111.56
1	2I	179	VAL	O-C-N	6.52	128.28	121.89
2	2R	68	PRO	CB-CA-C	-6.52	100.80	111.56
2	2V	68	PRO	CB-CA-C	-6.52	100.80	111.56
2	2Z	68	PRO	CB-CA-C	-6.52	100.80	111.56
1	3A	179	VAL	O-C-N	6.52	128.28	121.89
1	3I	179	VAL	O-C-N	6.52	128.28	121.89
1	32	179	VAL	O-C-N	6.52	128.28	121.89
1	4E	179	VAL	O-C-N	6.52	128.28	121.89
1	4Y	179	VAL	O-C-N	6.52	128.28	121.89
2	43	68	PRO	CB-CA-C	-6.52	100.80	111.56
2	47	68	PRO	CB-CA-C	-6.52	100.80	111.56
2	5B	68	PRO	CB-CA-C	-6.52	100.80	111.56
1	5U	179	VAL	O-C-N	6.52	128.28	121.89
2	53	68	PRO	CB-CA-C	-6.52	100.80	111.56
2	57	68	PRO	CB-CA-C	-6.52	100.80	111.56
2	6B	68	PRO	CB-CA-C	-6.52	100.80	111.56
1	6M	179	VAL	O-C-N	6.52	128.28	121.89
1	6U	179	VAL	O-C-N	6.52	128.28	121.89
1	7E	179	VAL	O-C-N	6.52	128.28	121.89
1	7Q	179	VAL	O-C-N	6.52	128.28	121.89
2	1F	226	ILE	CB-CG1-CD1	-6.52	100.11	113.80
2	2N	226	ILE	CB-CG1-CD1	-6.52	100.11	113.80
2	23	226	ILE	CB-CG1-CD1	-6.52	100.11	113.80
2	3N	226	ILE	CB-CG1-CD1	-6.52	100.11	113.80
2	37	226	ILE	CB-CG1-CD1	-6.52	100.11	113.80
2	4J	226	ILE	CB-CG1-CD1	-6.52	100.11	113.80
2	4R	226	ILE	CB-CG1-CD1	-6.52	100.11	113.80
2	5Z	226	ILE	CB-CG1-CD1	-6.52	100.11	113.80
2	6F	226	ILE	CB-CG1-CD1	-6.52	100.11	113.80
2	6Z	226	ILE	CB-CG1-CD1	-6.52	100.11	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	226	ILE	CB-CG1-CD1	-6.52	100.11	113.80
2	7V	226	ILE	CB-CG1-CD1	-6.52	100.11	113.80
2	1F	226	ILE	CA-CB-CG1	-6.51	99.33	110.40
2	2N	226	ILE	CA-CB-CG1	-6.51	99.33	110.40
2	23	226	ILE	CA-CB-CG1	-6.51	99.33	110.40
2	3N	226	ILE	CA-CB-CG1	-6.51	99.33	110.40
2	37	226	ILE	CA-CB-CG1	-6.51	99.33	110.40
2	4J	226	ILE	CA-CB-CG1	-6.51	99.33	110.40
2	4R	226	ILE	CA-CB-CG1	-6.51	99.33	110.40
2	5Z	226	ILE	CA-CB-CG1	-6.51	99.33	110.40
2	6F	226	ILE	CA-CB-CG1	-6.51	99.33	110.40
2	6Z	226	ILE	CA-CB-CG1	-6.51	99.33	110.40
2	7J	226	ILE	CA-CB-CG1	-6.51	99.33	110.40
2	7V	226	ILE	CA-CB-CG1	-6.51	99.33	110.40
1	1E	179	VAL	O-C-N	6.51	128.27	121.89
1	2M	179	VAL	O-C-N	6.51	128.27	121.89
1	22	179	VAL	O-C-N	6.51	128.27	121.89
1	3M	179	VAL	O-C-N	6.51	128.27	121.89
1	36	179	VAL	O-C-N	6.51	128.27	121.89
1	4I	179	VAL	O-C-N	6.51	128.27	121.89
1	4Q	179	VAL	O-C-N	6.51	128.27	121.89
1	5Y	179	VAL	O-C-N	6.51	128.27	121.89
1	6E	179	VAL	O-C-N	6.51	128.27	121.89
1	6Y	179	VAL	O-C-N	6.51	128.27	121.89
1	7I	179	VAL	O-C-N	6.51	128.27	121.89
1	7U	179	VAL	O-C-N	6.51	128.27	121.89
1	1A	19	SER	O-C-N	-6.51	113.56	122.81
1	1I	19	SER	O-C-N	-6.51	113.56	122.81
1	2E	19	SER	O-C-N	-6.51	113.56	122.81
1	26	19	SER	O-C-N	-6.51	113.56	122.81
1	3E	19	SER	O-C-N	-6.51	113.56	122.81
1	4A	19	SER	O-C-N	-6.51	113.56	122.81
1	4M	19	SER	O-C-N	-6.51	113.56	122.81
1	4U	19	SER	O-C-N	-6.51	113.56	122.81
1	5Q	19	SER	O-C-N	-6.51	113.56	122.81
1	6I	19	SER	O-C-N	-6.51	113.56	122.81
1	6Q	19	SER	O-C-N	-6.51	113.56	122.81
1	7M	19	SER	O-C-N	-6.51	113.56	122.81
2	13	226	ILE	N-CA-C	-6.51	95.80	109.34
2	17	226	ILE	N-CA-C	-6.51	95.80	109.34
2	2B	226	ILE	N-CA-C	-6.51	95.80	109.34
2	3R	226	ILE	N-CA-C	-6.51	95.80	109.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	226	ILE	N-CA-C	-6.51	95.80	109.34
2	3Z	226	ILE	N-CA-C	-6.51	95.80	109.34
2	5F	226	ILE	N-CA-C	-6.51	95.80	109.34
2	5J	226	ILE	N-CA-C	-6.51	95.80	109.34
2	5N	226	ILE	N-CA-C	-6.51	95.80	109.34
2	63	226	ILE	N-CA-C	-6.51	95.80	109.34
2	67	226	ILE	N-CA-C	-6.51	95.80	109.34
2	7B	226	ILE	N-CA-C	-6.51	95.80	109.34
3	1S	90[1]	GLN	CB-CA-C	-6.51	98.00	109.71
3	1S	90[2]	GLN	CB-CA-C	-6.51	98.00	109.71
3	1W	90[1]	GLN	CB-CA-C	-6.51	98.00	109.71
3	1W	90[2]	GLN	CB-CA-C	-6.51	98.00	109.71
3	10	90[1]	GLN	CB-CA-C	-6.51	98.00	109.71
3	10	90[2]	GLN	CB-CA-C	-6.51	98.00	109.71
3	2S	90[1]	GLN	CB-CA-C	-6.51	98.00	109.71
3	2S	90[2]	GLN	CB-CA-C	-6.51	98.00	109.71
3	2W	90[1]	GLN	CB-CA-C	-6.51	98.00	109.71
3	2W	90[2]	GLN	CB-CA-C	-6.51	98.00	109.71
3	20	90[1]	GLN	CB-CA-C	-6.51	98.00	109.71
3	20	90[2]	GLN	CB-CA-C	-6.51	98.00	109.71
3	44	90[1]	GLN	CB-CA-C	-6.51	98.00	109.71
3	44	90[2]	GLN	CB-CA-C	-6.51	98.00	109.71
3	48	90[1]	GLN	CB-CA-C	-6.51	98.00	109.71
3	48	90[2]	GLN	CB-CA-C	-6.51	98.00	109.71
3	5C	90[1]	GLN	CB-CA-C	-6.51	98.00	109.71
3	5C	90[2]	GLN	CB-CA-C	-6.51	98.00	109.71
3	54	90[1]	GLN	CB-CA-C	-6.51	98.00	109.71
3	54	90[2]	GLN	CB-CA-C	-6.51	98.00	109.71
3	58	90[1]	GLN	CB-CA-C	-6.51	98.00	109.71
3	58	90[2]	GLN	CB-CA-C	-6.51	98.00	109.71
3	6C	90[1]	GLN	CB-CA-C	-6.51	98.00	109.71
3	6C	90[2]	GLN	CB-CA-C	-6.51	98.00	109.71
2	1B	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
2	1F	188	TRP	N-CA-C	-6.50	102.85	111.24
2	1J	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
3	1O	55	ALA	O-C-N	-6.50	114.71	122.65
2	2F	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
3	2K	55	ALA	O-C-N	-6.50	114.71	122.65
2	2N	188	TRP	N-CA-C	-6.50	102.85	111.24
2	23	188	TRP	N-CA-C	-6.50	102.85	111.24
2	27	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
3	3C	55	ALA	O-C-N	-6.50	114.71	122.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
3	3K	55	ALA	O-C-N	-6.50	114.71	122.65
2	3N	188	TRP	N-CA-C	-6.50	102.85	111.24
3	34	55	ALA	O-C-N	-6.50	114.71	122.65
2	37	188	TRP	N-CA-C	-6.50	102.85	111.24
2	4B	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
3	4G	55	ALA	O-C-N	-6.50	114.71	122.65
2	4J	188	TRP	N-CA-C	-6.50	102.85	111.24
2	4N	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
2	4R	188	TRP	N-CA-C	-6.50	102.85	111.24
2	4V	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
3	40	55	ALA	O-C-N	-6.50	114.71	122.65
2	5R	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
3	5W	55	ALA	O-C-N	-6.50	114.71	122.65
2	5Z	188	TRP	N-CA-C	-6.50	102.85	111.24
2	6F	188	TRP	N-CA-C	-6.50	102.85	111.24
2	6J	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
3	6O	55	ALA	O-C-N	-6.50	114.71	122.65
2	6R	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
3	6W	55	ALA	O-C-N	-6.50	114.71	122.65
2	6Z	188	TRP	N-CA-C	-6.50	102.85	111.24
3	7G	55	ALA	O-C-N	-6.50	114.71	122.65
2	7J	188	TRP	N-CA-C	-6.50	102.85	111.24
2	7N	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
3	7S	55	ALA	O-C-N	-6.50	114.71	122.65
2	7V	188	TRP	N-CA-C	-6.50	102.85	111.24
2	1B	226	ILE	N-CA-C	-6.50	95.81	109.34
2	1J	226	ILE	N-CA-C	-6.50	95.81	109.34
2	1N	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
2	1R	22	GLN	CB-CG-CD	6.50	123.66	112.60
2	1R	226	ILE	N-CA-C	-6.50	95.81	109.34
2	1V	22	GLN	CB-CG-CD	6.50	123.66	112.60
2	1V	226	ILE	N-CA-C	-6.50	95.81	109.34
2	1Z	22	GLN	CB-CG-CD	6.50	123.66	112.60
2	1Z	226	ILE	N-CA-C	-6.50	95.81	109.34
2	2F	226	ILE	N-CA-C	-6.50	95.81	109.34
2	2J	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
2	2R	22	GLN	CB-CG-CD	6.50	123.66	112.60
2	2R	226	ILE	N-CA-C	-6.50	95.81	109.34
2	2V	22	GLN	CB-CG-CD	6.50	123.66	112.60
2	2V	226	ILE	N-CA-C	-6.50	95.81	109.34
2	2Z	22	GLN	CB-CG-CD	6.50	123.66	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2Z	226	ILE	N-CA-C	-6.50	95.81	109.34
2	27	226	ILE	N-CA-C	-6.50	95.81	109.34
2	3B	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
2	3F	226	ILE	N-CA-C	-6.50	95.81	109.34
2	3J	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
2	33	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
2	4B	226	ILE	N-CA-C	-6.50	95.81	109.34
2	4F	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
2	4N	226	ILE	N-CA-C	-6.50	95.81	109.34
2	4V	226	ILE	N-CA-C	-6.50	95.81	109.34
2	4Z	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
2	43	22	GLN	CB-CG-CD	6.50	123.66	112.60
2	43	226	ILE	N-CA-C	-6.50	95.81	109.34
2	47	22	GLN	CB-CG-CD	6.50	123.66	112.60
2	47	226	ILE	N-CA-C	-6.50	95.81	109.34
2	5B	22	GLN	CB-CG-CD	6.50	123.66	112.60
2	5B	226	ILE	N-CA-C	-6.50	95.81	109.34
2	5R	226	ILE	N-CA-C	-6.50	95.81	109.34
2	5V	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
2	53	22	GLN	CB-CG-CD	6.50	123.66	112.60
2	53	226	ILE	N-CA-C	-6.50	95.81	109.34
2	57	22	GLN	CB-CG-CD	6.50	123.66	112.60
2	57	226	ILE	N-CA-C	-6.50	95.81	109.34
2	6B	22	GLN	CB-CG-CD	6.50	123.66	112.60
2	6B	226	ILE	N-CA-C	-6.50	95.81	109.34
2	6J	226	ILE	N-CA-C	-6.50	95.81	109.34
2	6N	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
2	6R	226	ILE	N-CA-C	-6.50	95.81	109.34
2	6V	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
2	7F	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
2	7N	226	ILE	N-CA-C	-6.50	95.81	109.34
2	7R	226	ILE	CB-CG1-CD1	-6.50	100.14	113.80
1	1M	19	SER	O-C-N	-6.50	113.58	122.81
2	1R	226	ILE	CA-CB-CG1	-6.50	99.35	110.40
2	1V	226	ILE	CA-CB-CG1	-6.50	99.35	110.40
2	1Z	226	ILE	CA-CB-CG1	-6.50	99.35	110.40
1	12	19	SER	O-C-N	-6.50	113.58	122.81
1	16	19	SER	O-C-N	-6.50	113.58	122.81
1	2A	19	SER	O-C-N	-6.50	113.58	122.81
1	2I	19	SER	O-C-N	-6.50	113.58	122.81
2	2R	226	ILE	CA-CB-CG1	-6.50	99.35	110.40
2	2V	226	ILE	CA-CB-CG1	-6.50	99.35	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2Z	226	ILE	CA-CB-CG1	-6.50	99.35	110.40
1	3A	19	SER	O-C-N	-6.50	113.58	122.81
1	3I	19	SER	O-C-N	-6.50	113.58	122.81
1	3Q	19	SER	O-C-N	-6.50	113.58	122.81
1	3U	19	SER	O-C-N	-6.50	113.58	122.81
1	3Y	19	SER	O-C-N	-6.50	113.58	122.81
1	32	19	SER	O-C-N	-6.50	113.58	122.81
1	4E	19	SER	O-C-N	-6.50	113.58	122.81
1	4Y	19	SER	O-C-N	-6.50	113.58	122.81
2	43	226	ILE	CA-CB-CG1	-6.50	99.35	110.40
2	47	226	ILE	CA-CB-CG1	-6.50	99.35	110.40
2	5B	226	ILE	CA-CB-CG1	-6.50	99.35	110.40
1	5E	19	SER	O-C-N	-6.50	113.58	122.81
1	5I	19	SER	O-C-N	-6.50	113.58	122.81
1	5M	19	SER	O-C-N	-6.50	113.58	122.81
1	5U	19	SER	O-C-N	-6.50	113.58	122.81
2	53	226	ILE	CA-CB-CG1	-6.50	99.35	110.40
2	57	226	ILE	CA-CB-CG1	-6.50	99.35	110.40
2	6B	226	ILE	CA-CB-CG1	-6.50	99.35	110.40
1	6M	19	SER	O-C-N	-6.50	113.58	122.81
1	6U	19	SER	O-C-N	-6.50	113.58	122.81
1	62	19	SER	O-C-N	-6.50	113.58	122.81
1	66	19	SER	O-C-N	-6.50	113.58	122.81
1	7A	19	SER	O-C-N	-6.50	113.58	122.81
1	7E	19	SER	O-C-N	-6.50	113.58	122.81
1	7Q	19	SER	O-C-N	-6.50	113.58	122.81
2	13	22	GLN	CB-CG-CD	6.50	123.64	112.60
2	17	22	GLN	CB-CG-CD	6.50	123.64	112.60
2	2B	22	GLN	CB-CG-CD	6.50	123.64	112.60
2	3R	22	GLN	CB-CG-CD	6.50	123.64	112.60
2	3V	22	GLN	CB-CG-CD	6.50	123.64	112.60
2	3Z	22	GLN	CB-CG-CD	6.50	123.64	112.60
2	5F	22	GLN	CB-CG-CD	6.50	123.64	112.60
2	5J	22	GLN	CB-CG-CD	6.50	123.64	112.60
2	5N	22	GLN	CB-CG-CD	6.50	123.64	112.60
2	63	22	GLN	CB-CG-CD	6.50	123.64	112.60
2	67	22	GLN	CB-CG-CD	6.50	123.64	112.60
2	7B	22	GLN	CB-CG-CD	6.50	123.64	112.60
1	1E	19	SER	O-C-N	-6.49	113.59	122.81
2	1N	226	ILE	N-CA-C	-6.49	95.83	109.34
3	1O	90[1]	GLN	CB-CA-C	-6.49	98.02	109.71
3	1O	90[2]	GLN	CB-CA-C	-6.49	98.02	109.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	13	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	17	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	2B	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	2J	226	ILE	N-CA-C	-6.49	95.83	109.34
3	2K	90[1]	GLN	CB-CA-C	-6.49	98.02	109.71
3	2K	90[2]	GLN	CB-CA-C	-6.49	98.02	109.71
1	2M	19	SER	O-C-N	-6.49	113.59	122.81
1	22	19	SER	O-C-N	-6.49	113.59	122.81
2	3B	226	ILE	N-CA-C	-6.49	95.83	109.34
3	3C	90[1]	GLN	CB-CA-C	-6.49	98.02	109.71
3	3C	90[2]	GLN	CB-CA-C	-6.49	98.02	109.71
2	3J	226	ILE	N-CA-C	-6.49	95.83	109.34
3	3K	90[1]	GLN	CB-CA-C	-6.49	98.02	109.71
3	3K	90[2]	GLN	CB-CA-C	-6.49	98.02	109.71
1	3M	19	SER	O-C-N	-6.49	113.59	122.81
2	3R	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	3V	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	3Z	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	33	226	ILE	N-CA-C	-6.49	95.83	109.34
3	34	90[1]	GLN	CB-CA-C	-6.49	98.02	109.71
3	34	90[2]	GLN	CB-CA-C	-6.49	98.02	109.71
1	36	19	SER	O-C-N	-6.49	113.59	122.81
2	4F	226	ILE	N-CA-C	-6.49	95.83	109.34
3	4G	90[1]	GLN	CB-CA-C	-6.49	98.02	109.71
3	4G	90[2]	GLN	CB-CA-C	-6.49	98.02	109.71
1	4I	19	SER	O-C-N	-6.49	113.59	122.81
1	4Q	19	SER	O-C-N	-6.49	113.59	122.81
2	4Z	226	ILE	N-CA-C	-6.49	95.83	109.34
3	40	90[1]	GLN	CB-CA-C	-6.49	98.02	109.71
3	40	90[2]	GLN	CB-CA-C	-6.49	98.02	109.71
2	5F	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	5J	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	5N	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	5V	226	ILE	N-CA-C	-6.49	95.83	109.34
3	5W	90[1]	GLN	CB-CA-C	-6.49	98.02	109.71
3	5W	90[2]	GLN	CB-CA-C	-6.49	98.02	109.71
1	5Y	19	SER	O-C-N	-6.49	113.59	122.81
1	6E	19	SER	O-C-N	-6.49	113.59	122.81
2	6N	226	ILE	N-CA-C	-6.49	95.83	109.34
3	6O	90[1]	GLN	CB-CA-C	-6.49	98.02	109.71
3	6O	90[2]	GLN	CB-CA-C	-6.49	98.02	109.71
2	6V	226	ILE	N-CA-C	-6.49	95.83	109.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6W	90[1]	GLN	CB-CA-C	-6.49	98.02	109.71
3	6W	90[2]	GLN	CB-CA-C	-6.49	98.02	109.71
1	6Y	19	SER	O-C-N	-6.49	113.59	122.81
2	63	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	67	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	7B	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	7F	226	ILE	N-CA-C	-6.49	95.83	109.34
3	7G	90[1]	GLN	CB-CA-C	-6.49	98.02	109.71
3	7G	90[2]	GLN	CB-CA-C	-6.49	98.02	109.71
1	7I	19	SER	O-C-N	-6.49	113.59	122.81
2	7R	226	ILE	N-CA-C	-6.49	95.83	109.34
3	7S	90[1]	GLN	CB-CA-C	-6.49	98.02	109.71
3	7S	90[2]	GLN	CB-CA-C	-6.49	98.02	109.71
1	7U	19	SER	O-C-N	-6.49	113.59	122.81
2	1N	22	GLN	CB-CG-CD	6.49	123.64	112.60
2	2J	22	GLN	CB-CG-CD	6.49	123.64	112.60
2	3B	22	GLN	CB-CG-CD	6.49	123.64	112.60
2	3J	22	GLN	CB-CG-CD	6.49	123.64	112.60
2	33	22	GLN	CB-CG-CD	6.49	123.64	112.60
2	4F	22	GLN	CB-CG-CD	6.49	123.64	112.60
2	4Z	22	GLN	CB-CG-CD	6.49	123.64	112.60
2	5V	22	GLN	CB-CG-CD	6.49	123.64	112.60
2	6N	22	GLN	CB-CG-CD	6.49	123.64	112.60
2	6V	22	GLN	CB-CG-CD	6.49	123.64	112.60
2	7F	22	GLN	CB-CG-CD	6.49	123.64	112.60
2	7R	22	GLN	CB-CG-CD	6.49	123.64	112.60
2	1B	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	1J	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
1	1Q	179	VAL	O-C-N	6.49	128.25	121.89
1	1U	179	VAL	O-C-N	6.49	128.25	121.89
1	1Y	179	VAL	O-C-N	6.49	128.25	121.89
2	2F	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
1	2Q	179	VAL	O-C-N	6.49	128.25	121.89
1	2U	179	VAL	O-C-N	6.49	128.25	121.89
1	2Y	179	VAL	O-C-N	6.49	128.25	121.89
2	27	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	3F	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	4B	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	4N	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	4V	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
1	42	179	VAL	O-C-N	6.49	128.25	121.89
1	46	179	VAL	O-C-N	6.49	128.25	121.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	179	VAL	O-C-N	6.49	128.25	121.89
2	5R	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
1	52	179	VAL	O-C-N	6.49	128.25	121.89
1	56	179	VAL	O-C-N	6.49	128.25	121.89
1	6A	179	VAL	O-C-N	6.49	128.25	121.89
2	6J	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	6R	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
2	7N	226	ILE	CA-CB-CG1	-6.49	99.36	110.40
3	1G	90[1]	GLN	CB-CA-C	-6.49	98.03	109.71
3	1G	90[2]	GLN	CB-CA-C	-6.49	98.03	109.71
2	1N	226	ILE	CA-CB-CG1	-6.49	99.37	110.40
2	2J	226	ILE	CA-CB-CG1	-6.49	99.37	110.40
3	2O	90[1]	GLN	CB-CA-C	-6.49	98.03	109.71
3	2O	90[2]	GLN	CB-CA-C	-6.49	98.03	109.71
3	24	90[1]	GLN	CB-CA-C	-6.49	98.03	109.71
3	24	90[2]	GLN	CB-CA-C	-6.49	98.03	109.71
2	3B	226	ILE	CA-CB-CG1	-6.49	99.37	110.40
2	3J	226	ILE	CA-CB-CG1	-6.49	99.37	110.40
3	3O	90[1]	GLN	CB-CA-C	-6.49	98.03	109.71
3	3O	90[2]	GLN	CB-CA-C	-6.49	98.03	109.71
2	33	226	ILE	CA-CB-CG1	-6.49	99.37	110.40
3	38	90[1]	GLN	CB-CA-C	-6.49	98.03	109.71
3	38	90[2]	GLN	CB-CA-C	-6.49	98.03	109.71
2	4F	226	ILE	CA-CB-CG1	-6.49	99.37	110.40
3	4K	90[1]	GLN	CB-CA-C	-6.49	98.03	109.71
3	4K	90[2]	GLN	CB-CA-C	-6.49	98.03	109.71
3	4S	90[1]	GLN	CB-CA-C	-6.49	98.03	109.71
3	4S	90[2]	GLN	CB-CA-C	-6.49	98.03	109.71
2	4Z	226	ILE	CA-CB-CG1	-6.49	99.37	110.40
2	5V	226	ILE	CA-CB-CG1	-6.49	99.37	110.40
3	50	90[1]	GLN	CB-CA-C	-6.49	98.03	109.71
3	50	90[2]	GLN	CB-CA-C	-6.49	98.03	109.71
3	6G	90[1]	GLN	CB-CA-C	-6.49	98.03	109.71
3	6G	90[2]	GLN	CB-CA-C	-6.49	98.03	109.71
2	6N	226	ILE	CA-CB-CG1	-6.49	99.37	110.40
2	6V	226	ILE	CA-CB-CG1	-6.49	99.37	110.40
3	60	90[1]	GLN	CB-CA-C	-6.49	98.03	109.71
3	60	90[2]	GLN	CB-CA-C	-6.49	98.03	109.71
2	7F	226	ILE	CA-CB-CG1	-6.49	99.37	110.40
3	7K	90[1]	GLN	CB-CA-C	-6.49	98.03	109.71
3	7K	90[2]	GLN	CB-CA-C	-6.49	98.03	109.71
2	7R	226	ILE	CA-CB-CG1	-6.49	99.37	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	7W	90[1]	GLN	CB-CA-C	-6.49	98.03	109.71
3	7W	90[2]	GLN	CB-CA-C	-6.49	98.03	109.71
2	1B	22	GLN	CB-CG-CD	6.49	123.63	112.60
2	1F	226	ILE	N-CA-C	-6.49	95.85	109.34
2	1J	22	GLN	CB-CG-CD	6.49	123.63	112.60
2	2F	22	GLN	CB-CG-CD	6.49	123.63	112.60
2	2N	226	ILE	N-CA-C	-6.49	95.85	109.34
2	23	226	ILE	N-CA-C	-6.49	95.85	109.34
2	27	22	GLN	CB-CG-CD	6.49	123.63	112.60
2	3F	22	GLN	CB-CG-CD	6.49	123.63	112.60
2	3N	226	ILE	N-CA-C	-6.49	95.85	109.34
2	37	226	ILE	N-CA-C	-6.49	95.85	109.34
2	4B	22	GLN	CB-CG-CD	6.49	123.63	112.60
2	4J	226	ILE	N-CA-C	-6.49	95.85	109.34
2	4N	22	GLN	CB-CG-CD	6.49	123.63	112.60
2	4R	226	ILE	N-CA-C	-6.49	95.85	109.34
2	4V	22	GLN	CB-CG-CD	6.49	123.63	112.60
2	5R	22	GLN	CB-CG-CD	6.49	123.63	112.60
2	5Z	226	ILE	N-CA-C	-6.49	95.85	109.34
2	6F	226	ILE	N-CA-C	-6.49	95.85	109.34
2	6J	22	GLN	CB-CG-CD	6.49	123.63	112.60
2	6R	22	GLN	CB-CG-CD	6.49	123.63	112.60
2	6Z	226	ILE	N-CA-C	-6.49	95.85	109.34
2	7J	226	ILE	N-CA-C	-6.49	95.85	109.34
2	7N	22	GLN	CB-CG-CD	6.49	123.63	112.60
2	7V	226	ILE	N-CA-C	-6.49	95.85	109.34
3	14	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	14	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
3	18	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	18	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
3	2C	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	2C	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
3	3S	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	3S	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
3	3W	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	3W	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
3	30	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	30	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
3	5G	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	5G	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
3	5K	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	5K	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	5O	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	5O	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
3	64	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	64	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
3	68	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	68	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
3	7C	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	7C	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
2	1R	202	ASP	N-CA-C	-6.48	98.64	109.07
2	1V	202	ASP	N-CA-C	-6.48	98.64	109.07
2	1Z	202	ASP	N-CA-C	-6.48	98.64	109.07
1	12	179	VAL	O-C-N	6.48	128.24	121.89
1	16	179	VAL	O-C-N	6.48	128.24	121.89
1	2A	179	VAL	O-C-N	6.48	128.24	121.89
2	2R	202	ASP	N-CA-C	-6.48	98.64	109.07
2	2V	202	ASP	N-CA-C	-6.48	98.64	109.07
2	2Z	202	ASP	N-CA-C	-6.48	98.64	109.07
1	3Q	179	VAL	O-C-N	6.48	128.24	121.89
1	3U	179	VAL	O-C-N	6.48	128.24	121.89
1	3Y	179	VAL	O-C-N	6.48	128.24	121.89
2	43	202	ASP	N-CA-C	-6.48	98.64	109.07
2	47	202	ASP	N-CA-C	-6.48	98.64	109.07
2	5B	202	ASP	N-CA-C	-6.48	98.64	109.07
1	5E	179	VAL	O-C-N	6.48	128.24	121.89
1	5I	179	VAL	O-C-N	6.48	128.24	121.89
1	5M	179	VAL	O-C-N	6.48	128.24	121.89
2	53	202	ASP	N-CA-C	-6.48	98.64	109.07
2	57	202	ASP	N-CA-C	-6.48	98.64	109.07
2	6B	202	ASP	N-CA-C	-6.48	98.64	109.07
1	62	179	VAL	O-C-N	6.48	128.24	121.89
1	66	179	VAL	O-C-N	6.48	128.24	121.89
1	7A	179	VAL	O-C-N	6.48	128.24	121.89
3	1C	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	1C	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
2	1F	22	GLN	CB-CG-CD	6.48	123.62	112.60
3	1K	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	1K	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
2	1N	202	ASP	N-CA-C	-6.48	98.64	109.07
3	2G	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	2G	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
2	2J	202	ASP	N-CA-C	-6.48	98.64	109.07
2	2N	22	GLN	CB-CG-CD	6.48	123.62	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	22	GLN	CB-CG-CD	6.48	123.62	112.60
3	28	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	28	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
2	3B	202	ASP	N-CA-C	-6.48	98.64	109.07
3	3G	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	3G	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
2	3J	202	ASP	N-CA-C	-6.48	98.64	109.07
2	3N	22	GLN	CB-CG-CD	6.48	123.62	112.60
2	33	202	ASP	N-CA-C	-6.48	98.64	109.07
2	37	22	GLN	CB-CG-CD	6.48	123.62	112.60
3	4C	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	4C	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
2	4F	202	ASP	N-CA-C	-6.48	98.64	109.07
2	4J	22	GLN	CB-CG-CD	6.48	123.62	112.60
3	4O	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	4O	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
2	4R	22	GLN	CB-CG-CD	6.48	123.62	112.60
3	4W	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	4W	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
2	4Z	202	ASP	N-CA-C	-6.48	98.64	109.07
3	5S	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	5S	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
2	5V	202	ASP	N-CA-C	-6.48	98.64	109.07
2	5Z	22	GLN	CB-CG-CD	6.48	123.62	112.60
2	6F	22	GLN	CB-CG-CD	6.48	123.62	112.60
3	6K	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	6K	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
2	6N	202	ASP	N-CA-C	-6.48	98.64	109.07
3	6S	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	6S	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
2	6V	202	ASP	N-CA-C	-6.48	98.64	109.07
2	6Z	22	GLN	CB-CG-CD	6.48	123.62	112.60
2	7F	202	ASP	N-CA-C	-6.48	98.64	109.07
2	7J	22	GLN	CB-CG-CD	6.48	123.62	112.60
3	7O	90[1]	GLN	CB-CA-C	-6.48	98.04	109.71
3	7O	90[2]	GLN	CB-CA-C	-6.48	98.04	109.71
2	7R	202	ASP	N-CA-C	-6.48	98.64	109.07
2	7V	22	GLN	CB-CG-CD	6.48	123.62	112.60
2	1B	202	ASP	N-CA-C	-6.48	98.64	109.07
2	1J	202	ASP	N-CA-C	-6.48	98.64	109.07
2	2F	202	ASP	N-CA-C	-6.48	98.64	109.07
2	27	202	ASP	N-CA-C	-6.48	98.64	109.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	202	ASP	N-CA-C	-6.48	98.64	109.07
2	4B	202	ASP	N-CA-C	-6.48	98.64	109.07
2	4N	202	ASP	N-CA-C	-6.48	98.64	109.07
2	4V	202	ASP	N-CA-C	-6.48	98.64	109.07
2	5R	202	ASP	N-CA-C	-6.48	98.64	109.07
2	6J	202	ASP	N-CA-C	-6.48	98.64	109.07
2	6R	202	ASP	N-CA-C	-6.48	98.64	109.07
2	7N	202	ASP	N-CA-C	-6.48	98.64	109.07
2	13	202	ASP	N-CA-C	-6.47	98.65	109.07
2	13	218	ARG	N-CA-CB	6.47	121.43	110.49
2	17	202	ASP	N-CA-C	-6.47	98.65	109.07
2	17	218	ARG	N-CA-CB	6.47	121.43	110.49
2	2B	202	ASP	N-CA-C	-6.47	98.65	109.07
2	2B	218	ARG	N-CA-CB	6.47	121.43	110.49
2	3R	202	ASP	N-CA-C	-6.47	98.65	109.07
2	3R	218	ARG	N-CA-CB	6.47	121.43	110.49
2	3V	202	ASP	N-CA-C	-6.47	98.65	109.07
2	3V	218	ARG	N-CA-CB	6.47	121.43	110.49
2	3Z	202	ASP	N-CA-C	-6.47	98.65	109.07
2	3Z	218	ARG	N-CA-CB	6.47	121.43	110.49
2	5F	202	ASP	N-CA-C	-6.47	98.65	109.07
2	5F	218	ARG	N-CA-CB	6.47	121.43	110.49
2	5J	202	ASP	N-CA-C	-6.47	98.65	109.07
2	5J	218	ARG	N-CA-CB	6.47	121.43	110.49
2	5N	202	ASP	N-CA-C	-6.47	98.65	109.07
2	5N	218	ARG	N-CA-CB	6.47	121.43	110.49
2	63	202	ASP	N-CA-C	-6.47	98.65	109.07
2	63	218	ARG	N-CA-CB	6.47	121.43	110.49
2	67	202	ASP	N-CA-C	-6.47	98.65	109.07
2	67	218	ARG	N-CA-CB	6.47	121.43	110.49
2	7B	202	ASP	N-CA-C	-6.47	98.65	109.07
2	7B	218	ARG	N-CA-CB	6.47	121.43	110.49
2	1F	202	ASP	N-CA-C	-6.47	98.66	109.07
1	12	178	SER	CA-C-O	6.47	128.47	121.16
1	16	178	SER	CA-C-O	6.47	128.47	121.16
1	2A	178	SER	CA-C-O	6.47	128.47	121.16
2	2N	202	ASP	N-CA-C	-6.47	98.66	109.07
2	23	202	ASP	N-CA-C	-6.47	98.66	109.07
2	3N	202	ASP	N-CA-C	-6.47	98.66	109.07
1	3Q	178	SER	CA-C-O	6.47	128.47	121.16
1	3U	178	SER	CA-C-O	6.47	128.47	121.16
1	3Y	178	SER	CA-C-O	6.47	128.47	121.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	202	ASP	N-CA-C	-6.47	98.66	109.07
2	4J	202	ASP	N-CA-C	-6.47	98.66	109.07
2	4R	202	ASP	N-CA-C	-6.47	98.66	109.07
1	5E	178	SER	CA-C-O	6.47	128.47	121.16
1	5I	178	SER	CA-C-O	6.47	128.47	121.16
1	5M	178	SER	CA-C-O	6.47	128.47	121.16
2	5Z	202	ASP	N-CA-C	-6.47	98.66	109.07
2	6F	202	ASP	N-CA-C	-6.47	98.66	109.07
2	6Z	202	ASP	N-CA-C	-6.47	98.66	109.07
1	62	178	SER	CA-C-O	6.47	128.47	121.16
1	66	178	SER	CA-C-O	6.47	128.47	121.16
1	7A	178	SER	CA-C-O	6.47	128.47	121.16
2	7J	202	ASP	N-CA-C	-6.47	98.66	109.07
2	7V	202	ASP	N-CA-C	-6.47	98.66	109.07
2	1B	188	TRP	N-CA-C	-6.46	102.90	111.24
2	1B	218	ARG	N-CA-CB	6.46	121.42	110.49
2	1J	188	TRP	N-CA-C	-6.46	102.90	111.24
2	1J	218	ARG	N-CA-CB	6.46	121.42	110.49
2	1N	188	TRP	N-CA-C	-6.46	102.90	111.24
2	2F	188	TRP	N-CA-C	-6.46	102.90	111.24
2	2F	218	ARG	N-CA-CB	6.46	121.42	110.49
2	2J	188	TRP	N-CA-C	-6.46	102.90	111.24
2	27	188	TRP	N-CA-C	-6.46	102.90	111.24
2	27	218	ARG	N-CA-CB	6.46	121.42	110.49
2	3B	188	TRP	N-CA-C	-6.46	102.90	111.24
2	3F	188	TRP	N-CA-C	-6.46	102.90	111.24
2	3F	218	ARG	N-CA-CB	6.46	121.42	110.49
2	3J	188	TRP	N-CA-C	-6.46	102.90	111.24
2	33	188	TRP	N-CA-C	-6.46	102.90	111.24
2	4B	188	TRP	N-CA-C	-6.46	102.90	111.24
2	4B	218	ARG	N-CA-CB	6.46	121.42	110.49
2	4F	188	TRP	N-CA-C	-6.46	102.90	111.24
2	4N	188	TRP	N-CA-C	-6.46	102.90	111.24
2	4N	218	ARG	N-CA-CB	6.46	121.42	110.49
2	4V	188	TRP	N-CA-C	-6.46	102.90	111.24
2	4V	218	ARG	N-CA-CB	6.46	121.42	110.49
2	4Z	188	TRP	N-CA-C	-6.46	102.90	111.24
2	5R	188	TRP	N-CA-C	-6.46	102.90	111.24
2	5R	218	ARG	N-CA-CB	6.46	121.42	110.49
2	5V	188	TRP	N-CA-C	-6.46	102.90	111.24
2	6J	188	TRP	N-CA-C	-6.46	102.90	111.24
2	6J	218	ARG	N-CA-CB	6.46	121.42	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6N	188	TRP	N-CA-C	-6.46	102.90	111.24
2	6R	188	TRP	N-CA-C	-6.46	102.90	111.24
2	6R	218	ARG	N-CA-CB	6.46	121.42	110.49
2	6V	188	TRP	N-CA-C	-6.46	102.90	111.24
2	7F	188	TRP	N-CA-C	-6.46	102.90	111.24
2	7N	188	TRP	N-CA-C	-6.46	102.90	111.24
2	7N	218	ARG	N-CA-CB	6.46	121.42	110.49
2	7R	188	TRP	N-CA-C	-6.46	102.90	111.24
2	13	33	PRO	CA-C-N	6.46	132.64	122.17
2	13	33	PRO	C-N-CA	6.46	132.64	122.17
2	17	33	PRO	CA-C-N	6.46	132.64	122.17
2	17	33	PRO	C-N-CA	6.46	132.64	122.17
2	2B	33	PRO	CA-C-N	6.46	132.64	122.17
2	2B	33	PRO	C-N-CA	6.46	132.64	122.17
2	3R	33	PRO	CA-C-N	6.46	132.64	122.17
2	3R	33	PRO	C-N-CA	6.46	132.64	122.17
2	3V	33	PRO	CA-C-N	6.46	132.64	122.17
2	3V	33	PRO	C-N-CA	6.46	132.64	122.17
2	3Z	33	PRO	CA-C-N	6.46	132.64	122.17
2	3Z	33	PRO	C-N-CA	6.46	132.64	122.17
2	5F	33	PRO	CA-C-N	6.46	132.64	122.17
2	5F	33	PRO	C-N-CA	6.46	132.64	122.17
2	5J	33	PRO	CA-C-N	6.46	132.64	122.17
2	5J	33	PRO	C-N-CA	6.46	132.64	122.17
2	5N	33	PRO	CA-C-N	6.46	132.64	122.17
2	5N	33	PRO	C-N-CA	6.46	132.64	122.17
2	63	33	PRO	CA-C-N	6.46	132.64	122.17
2	63	33	PRO	C-N-CA	6.46	132.64	122.17
2	67	33	PRO	CA-C-N	6.46	132.64	122.17
2	67	33	PRO	C-N-CA	6.46	132.64	122.17
2	7B	33	PRO	CA-C-N	6.46	132.64	122.17
2	7B	33	PRO	C-N-CA	6.46	132.64	122.17
1	1A	179	VAL	O-C-N	6.46	128.22	121.89
1	1I	179	VAL	O-C-N	6.46	128.22	121.89
2	13	188	TRP	N-CA-C	-6.46	102.91	111.24
3	14	9	ALA	N-CA-C	-6.46	104.32	111.36
2	17	188	TRP	N-CA-C	-6.46	102.91	111.24
3	18	9	ALA	N-CA-C	-6.46	104.32	111.36
2	2B	188	TRP	N-CA-C	-6.46	102.91	111.24
3	2C	9	ALA	N-CA-C	-6.46	104.32	111.36
1	2E	179	VAL	O-C-N	6.46	128.22	121.89
1	26	179	VAL	O-C-N	6.46	128.22	121.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	179	VAL	O-C-N	6.46	128.22	121.89
2	3R	188	TRP	N-CA-C	-6.46	102.91	111.24
3	3S	9	ALA	N-CA-C	-6.46	104.32	111.36
2	3V	188	TRP	N-CA-C	-6.46	102.91	111.24
3	3W	9	ALA	N-CA-C	-6.46	104.32	111.36
2	3Z	188	TRP	N-CA-C	-6.46	102.91	111.24
3	30	9	ALA	N-CA-C	-6.46	104.32	111.36
1	4A	179	VAL	O-C-N	6.46	128.22	121.89
1	4M	179	VAL	O-C-N	6.46	128.22	121.89
1	4U	179	VAL	O-C-N	6.46	128.22	121.89
2	5F	188	TRP	N-CA-C	-6.46	102.91	111.24
3	5G	9	ALA	N-CA-C	-6.46	104.32	111.36
2	5J	188	TRP	N-CA-C	-6.46	102.91	111.24
3	5K	9	ALA	N-CA-C	-6.46	104.32	111.36
2	5N	188	TRP	N-CA-C	-6.46	102.91	111.24
3	5O	9	ALA	N-CA-C	-6.46	104.32	111.36
1	5Q	179	VAL	O-C-N	6.46	128.22	121.89
1	6I	179	VAL	O-C-N	6.46	128.22	121.89
1	6Q	179	VAL	O-C-N	6.46	128.22	121.89
2	63	188	TRP	N-CA-C	-6.46	102.91	111.24
3	64	9	ALA	N-CA-C	-6.46	104.32	111.36
2	67	188	TRP	N-CA-C	-6.46	102.91	111.24
3	68	9	ALA	N-CA-C	-6.46	104.32	111.36
2	7B	188	TRP	N-CA-C	-6.46	102.91	111.24
3	7C	9	ALA	N-CA-C	-6.46	104.32	111.36
1	7M	179	VAL	O-C-N	6.46	128.22	121.89
2	1R	33	PRO	CA-C-N	6.46	132.63	122.17
2	1R	33	PRO	C-N-CA	6.46	132.63	122.17
2	1V	33	PRO	CA-C-N	6.46	132.63	122.17
2	1V	33	PRO	C-N-CA	6.46	132.63	122.17
2	1Z	33	PRO	CA-C-N	6.46	132.63	122.17
2	1Z	33	PRO	C-N-CA	6.46	132.63	122.17
2	2R	33	PRO	CA-C-N	6.46	132.63	122.17
2	2R	33	PRO	C-N-CA	6.46	132.63	122.17
2	2V	33	PRO	CA-C-N	6.46	132.63	122.17
2	2V	33	PRO	C-N-CA	6.46	132.63	122.17
2	2Z	33	PRO	CA-C-N	6.46	132.63	122.17
2	2Z	33	PRO	C-N-CA	6.46	132.63	122.17
2	43	33	PRO	CA-C-N	6.46	132.63	122.17
2	43	33	PRO	C-N-CA	6.46	132.63	122.17
2	47	33	PRO	CA-C-N	6.46	132.63	122.17
2	47	33	PRO	C-N-CA	6.46	132.63	122.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5B	33	PRO	CA-C-N	6.46	132.63	122.17
2	5B	33	PRO	C-N-CA	6.46	132.63	122.17
2	53	33	PRO	CA-C-N	6.46	132.63	122.17
2	53	33	PRO	C-N-CA	6.46	132.63	122.17
2	57	33	PRO	CA-C-N	6.46	132.63	122.17
2	57	33	PRO	C-N-CA	6.46	132.63	122.17
2	6B	33	PRO	CA-C-N	6.46	132.63	122.17
2	6B	33	PRO	C-N-CA	6.46	132.63	122.17
2	1B	33	PRO	CA-C-N	6.46	132.63	122.17
2	1B	33	PRO	C-N-CA	6.46	132.63	122.17
2	1J	33	PRO	CA-C-N	6.46	132.63	122.17
2	1J	33	PRO	C-N-CA	6.46	132.63	122.17
1	1M	178	SER	CA-C-O	6.46	128.46	121.16
2	2F	33	PRO	CA-C-N	6.46	132.63	122.17
2	2F	33	PRO	C-N-CA	6.46	132.63	122.17
1	2I	178	SER	CA-C-O	6.46	128.46	121.16
2	27	33	PRO	CA-C-N	6.46	132.63	122.17
2	27	33	PRO	C-N-CA	6.46	132.63	122.17
1	3A	178	SER	CA-C-O	6.46	128.46	121.16
2	3F	33	PRO	CA-C-N	6.46	132.63	122.17
2	3F	33	PRO	C-N-CA	6.46	132.63	122.17
1	3I	178	SER	CA-C-O	6.46	128.46	121.16
1	32	178	SER	CA-C-O	6.46	128.46	121.16
2	4B	33	PRO	CA-C-N	6.46	132.63	122.17
2	4B	33	PRO	C-N-CA	6.46	132.63	122.17
1	4E	178	SER	CA-C-O	6.46	128.46	121.16
2	4N	33	PRO	CA-C-N	6.46	132.63	122.17
2	4N	33	PRO	C-N-CA	6.46	132.63	122.17
2	4V	33	PRO	CA-C-N	6.46	132.63	122.17
2	4V	33	PRO	C-N-CA	6.46	132.63	122.17
1	4Y	178	SER	CA-C-O	6.46	128.46	121.16
2	5R	33	PRO	CA-C-N	6.46	132.63	122.17
2	5R	33	PRO	C-N-CA	6.46	132.63	122.17
1	5U	178	SER	CA-C-O	6.46	128.46	121.16
2	6J	33	PRO	CA-C-N	6.46	132.63	122.17
2	6J	33	PRO	C-N-CA	6.46	132.63	122.17
1	6M	178	SER	CA-C-O	6.46	128.46	121.16
2	6R	33	PRO	CA-C-N	6.46	132.63	122.17
2	6R	33	PRO	C-N-CA	6.46	132.63	122.17
1	6U	178	SER	CA-C-O	6.46	128.46	121.16
1	7E	178	SER	CA-C-O	6.46	128.46	121.16
2	7N	33	PRO	CA-C-N	6.46	132.63	122.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	33	PRO	C-N-CA	6.46	132.63	122.17
1	7Q	178	SER	CA-C-O	6.46	128.46	121.16
1	1A	178	SER	CA-C-O	6.45	128.45	121.16
1	1I	178	SER	CA-C-O	6.45	128.45	121.16
1	2E	178	SER	CA-C-O	6.45	128.45	121.16
1	26	178	SER	CA-C-O	6.45	128.45	121.16
1	3E	178	SER	CA-C-O	6.45	128.45	121.16
1	4A	178	SER	CA-C-O	6.45	128.45	121.16
1	4M	178	SER	CA-C-O	6.45	128.45	121.16
1	4U	178	SER	CA-C-O	6.45	128.45	121.16
1	5Q	178	SER	CA-C-O	6.45	128.45	121.16
1	6I	178	SER	CA-C-O	6.45	128.45	121.16
1	6Q	178	SER	CA-C-O	6.45	128.45	121.16
1	7M	178	SER	CA-C-O	6.45	128.45	121.16
2	1F	33	PRO	CA-C-N	6.45	132.62	122.17
2	1F	33	PRO	C-N-CA	6.45	132.62	122.17
2	1N	33	PRO	CA-C-N	6.45	132.62	122.17
2	1N	33	PRO	C-N-CA	6.45	132.62	122.17
2	2J	33	PRO	CA-C-N	6.45	132.62	122.17
2	2J	33	PRO	C-N-CA	6.45	132.62	122.17
2	2N	33	PRO	CA-C-N	6.45	132.62	122.17
2	2N	33	PRO	C-N-CA	6.45	132.62	122.17
2	23	33	PRO	CA-C-N	6.45	132.62	122.17
2	23	33	PRO	C-N-CA	6.45	132.62	122.17
2	3B	33	PRO	CA-C-N	6.45	132.62	122.17
2	3B	33	PRO	C-N-CA	6.45	132.62	122.17
2	3J	33	PRO	CA-C-N	6.45	132.62	122.17
2	3J	33	PRO	C-N-CA	6.45	132.62	122.17
2	3N	33	PRO	CA-C-N	6.45	132.62	122.17
2	3N	33	PRO	C-N-CA	6.45	132.62	122.17
2	33	33	PRO	CA-C-N	6.45	132.62	122.17
2	33	33	PRO	C-N-CA	6.45	132.62	122.17
2	37	33	PRO	CA-C-N	6.45	132.62	122.17
2	37	33	PRO	C-N-CA	6.45	132.62	122.17
2	4F	33	PRO	CA-C-N	6.45	132.62	122.17
2	4F	33	PRO	C-N-CA	6.45	132.62	122.17
2	4J	33	PRO	CA-C-N	6.45	132.62	122.17
2	4J	33	PRO	C-N-CA	6.45	132.62	122.17
2	4R	33	PRO	CA-C-N	6.45	132.62	122.17
2	4R	33	PRO	C-N-CA	6.45	132.62	122.17
2	4Z	33	PRO	CA-C-N	6.45	132.62	122.17
2	4Z	33	PRO	C-N-CA	6.45	132.62	122.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	33	PRO	CA-C-N	6.45	132.62	122.17
2	5V	33	PRO	C-N-CA	6.45	132.62	122.17
2	5Z	33	PRO	CA-C-N	6.45	132.62	122.17
2	5Z	33	PRO	C-N-CA	6.45	132.62	122.17
2	6F	33	PRO	CA-C-N	6.45	132.62	122.17
2	6F	33	PRO	C-N-CA	6.45	132.62	122.17
2	6N	33	PRO	CA-C-N	6.45	132.62	122.17
2	6N	33	PRO	C-N-CA	6.45	132.62	122.17
2	6V	33	PRO	CA-C-N	6.45	132.62	122.17
2	6V	33	PRO	C-N-CA	6.45	132.62	122.17
2	6Z	33	PRO	CA-C-N	6.45	132.62	122.17
2	6Z	33	PRO	C-N-CA	6.45	132.62	122.17
2	7F	33	PRO	CA-C-N	6.45	132.62	122.17
2	7F	33	PRO	C-N-CA	6.45	132.62	122.17
2	7J	33	PRO	CA-C-N	6.45	132.62	122.17
2	7J	33	PRO	C-N-CA	6.45	132.62	122.17
2	7R	33	PRO	CA-C-N	6.45	132.62	122.17
2	7R	33	PRO	C-N-CA	6.45	132.62	122.17
2	7V	33	PRO	CA-C-N	6.45	132.62	122.17
2	7V	33	PRO	C-N-CA	6.45	132.62	122.17
2	1N	218	ARG	N-CA-CB	6.45	121.39	110.49
2	1R	218	ARG	N-CA-CB	6.45	121.39	110.49
2	1V	218	ARG	N-CA-CB	6.45	121.39	110.49
2	1Z	218	ARG	N-CA-CB	6.45	121.39	110.49
2	2J	218	ARG	N-CA-CB	6.45	121.39	110.49
2	2R	218	ARG	N-CA-CB	6.45	121.39	110.49
2	2V	218	ARG	N-CA-CB	6.45	121.39	110.49
2	2Z	218	ARG	N-CA-CB	6.45	121.39	110.49
2	3B	218	ARG	N-CA-CB	6.45	121.39	110.49
2	3J	218	ARG	N-CA-CB	6.45	121.39	110.49
2	33	218	ARG	N-CA-CB	6.45	121.39	110.49
2	4F	218	ARG	N-CA-CB	6.45	121.39	110.49
2	4Z	218	ARG	N-CA-CB	6.45	121.39	110.49
2	43	218	ARG	N-CA-CB	6.45	121.39	110.49
2	47	218	ARG	N-CA-CB	6.45	121.39	110.49
2	5B	218	ARG	N-CA-CB	6.45	121.39	110.49
2	5V	218	ARG	N-CA-CB	6.45	121.39	110.49
2	53	218	ARG	N-CA-CB	6.45	121.39	110.49
2	57	218	ARG	N-CA-CB	6.45	121.39	110.49
2	6B	218	ARG	N-CA-CB	6.45	121.39	110.49
2	6N	218	ARG	N-CA-CB	6.45	121.39	110.49
2	6V	218	ARG	N-CA-CB	6.45	121.39	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	218	ARG	N-CA-CB	6.45	121.39	110.49
2	7R	218	ARG	N-CA-CB	6.45	121.39	110.49
1	1A	89	PHE	CA-C-O	6.45	131.76	120.80
1	1I	89	PHE	CA-C-O	6.45	131.76	120.80
1	2E	89	PHE	CA-C-O	6.45	131.76	120.80
1	26	89	PHE	CA-C-O	6.45	131.76	120.80
1	3E	89	PHE	CA-C-O	6.45	131.76	120.80
1	4A	89	PHE	CA-C-O	6.45	131.76	120.80
1	4M	89	PHE	CA-C-O	6.45	131.76	120.80
1	4U	89	PHE	CA-C-O	6.45	131.76	120.80
1	5Q	89	PHE	CA-C-O	6.45	131.76	120.80
1	6I	89	PHE	CA-C-O	6.45	131.76	120.80
1	6Q	89	PHE	CA-C-O	6.45	131.76	120.80
1	7M	89	PHE	CA-C-O	6.45	131.76	120.80
3	1G	9	ALA	N-CA-C	-6.44	104.34	111.36
3	2O	9	ALA	N-CA-C	-6.44	104.34	111.36
3	24	9	ALA	N-CA-C	-6.44	104.34	111.36
3	3O	9	ALA	N-CA-C	-6.44	104.34	111.36
3	38	9	ALA	N-CA-C	-6.44	104.34	111.36
3	4K	9	ALA	N-CA-C	-6.44	104.34	111.36
3	4S	9	ALA	N-CA-C	-6.44	104.34	111.36
3	50	9	ALA	N-CA-C	-6.44	104.34	111.36
3	6G	9	ALA	N-CA-C	-6.44	104.34	111.36
3	60	9	ALA	N-CA-C	-6.44	104.34	111.36
3	7K	9	ALA	N-CA-C	-6.44	104.34	111.36
3	7W	9	ALA	N-CA-C	-6.44	104.34	111.36
2	1F	69	SER	O-C-N	-6.44	113.80	122.43
2	1F	218	ARG	N-CA-CB	6.44	121.38	110.49
2	1R	188	TRP	N-CA-C	-6.44	102.93	111.24
2	1V	188	TRP	N-CA-C	-6.44	102.93	111.24
2	1Z	188	TRP	N-CA-C	-6.44	102.93	111.24
2	2N	69	SER	O-C-N	-6.44	113.80	122.43
2	2N	218	ARG	N-CA-CB	6.44	121.38	110.49
2	2R	188	TRP	N-CA-C	-6.44	102.93	111.24
2	2V	188	TRP	N-CA-C	-6.44	102.93	111.24
2	2Z	188	TRP	N-CA-C	-6.44	102.93	111.24
2	23	69	SER	O-C-N	-6.44	113.80	122.43
2	23	218	ARG	N-CA-CB	6.44	121.38	110.49
2	3N	69	SER	O-C-N	-6.44	113.80	122.43
2	3N	218	ARG	N-CA-CB	6.44	121.38	110.49
2	37	69	SER	O-C-N	-6.44	113.80	122.43
2	37	218	ARG	N-CA-CB	6.44	121.38	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4J	69	SER	O-C-N	-6.44	113.80	122.43
2	4J	218	ARG	N-CA-CB	6.44	121.38	110.49
2	4R	69	SER	O-C-N	-6.44	113.80	122.43
2	4R	218	ARG	N-CA-CB	6.44	121.38	110.49
2	43	188	TRP	N-CA-C	-6.44	102.93	111.24
2	47	188	TRP	N-CA-C	-6.44	102.93	111.24
2	5B	188	TRP	N-CA-C	-6.44	102.93	111.24
2	5Z	69	SER	O-C-N	-6.44	113.80	122.43
2	5Z	218	ARG	N-CA-CB	6.44	121.38	110.49
2	53	188	TRP	N-CA-C	-6.44	102.93	111.24
2	57	188	TRP	N-CA-C	-6.44	102.93	111.24
2	6B	188	TRP	N-CA-C	-6.44	102.93	111.24
2	6F	69	SER	O-C-N	-6.44	113.80	122.43
2	6F	218	ARG	N-CA-CB	6.44	121.38	110.49
2	6Z	69	SER	O-C-N	-6.44	113.80	122.43
2	6Z	218	ARG	N-CA-CB	6.44	121.38	110.49
2	7J	69	SER	O-C-N	-6.44	113.80	122.43
2	7J	218	ARG	N-CA-CB	6.44	121.38	110.49
2	7V	69	SER	O-C-N	-6.44	113.80	122.43
2	7V	218	ARG	N-CA-CB	6.44	121.38	110.49
2	1B	30	PRO	N-CA-C	-6.44	99.21	112.47
2	1J	30	PRO	N-CA-C	-6.44	99.21	112.47
2	2F	30	PRO	N-CA-C	-6.44	99.21	112.47
2	27	30	PRO	N-CA-C	-6.44	99.21	112.47
2	3F	30	PRO	N-CA-C	-6.44	99.21	112.47
2	4B	30	PRO	N-CA-C	-6.44	99.21	112.47
2	4N	30	PRO	N-CA-C	-6.44	99.21	112.47
2	4V	30	PRO	N-CA-C	-6.44	99.21	112.47
2	5R	30	PRO	N-CA-C	-6.44	99.21	112.47
2	6J	30	PRO	N-CA-C	-6.44	99.21	112.47
2	6R	30	PRO	N-CA-C	-6.44	99.21	112.47
2	7N	30	PRO	N-CA-C	-6.44	99.21	112.47
1	1E	169	ASP	N-CA-C	-6.44	98.73	108.96
2	13	216	ASN	CB-CG-OD1	-6.44	107.93	120.80
2	17	216	ASN	CB-CG-OD1	-6.44	107.93	120.80
2	2B	216	ASN	CB-CG-OD1	-6.44	107.93	120.80
1	2M	169	ASP	N-CA-C	-6.44	98.73	108.96
1	22	169	ASP	N-CA-C	-6.44	98.73	108.96
1	3M	169	ASP	N-CA-C	-6.44	98.73	108.96
2	3R	216	ASN	CB-CG-OD1	-6.44	107.93	120.80
2	3V	216	ASN	CB-CG-OD1	-6.44	107.93	120.80
2	3Z	216	ASN	CB-CG-OD1	-6.44	107.93	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	169	ASP	N-CA-C	-6.44	98.73	108.96
1	4I	169	ASP	N-CA-C	-6.44	98.73	108.96
1	4Q	169	ASP	N-CA-C	-6.44	98.73	108.96
2	5F	216	ASN	CB-CG-OD1	-6.44	107.93	120.80
2	5J	216	ASN	CB-CG-OD1	-6.44	107.93	120.80
2	5N	216	ASN	CB-CG-OD1	-6.44	107.93	120.80
1	5Y	169	ASP	N-CA-C	-6.44	98.73	108.96
1	6E	169	ASP	N-CA-C	-6.44	98.73	108.96
1	6Y	169	ASP	N-CA-C	-6.44	98.73	108.96
2	63	216	ASN	CB-CG-OD1	-6.44	107.93	120.80
2	67	216	ASN	CB-CG-OD1	-6.44	107.93	120.80
2	7B	216	ASN	CB-CG-OD1	-6.44	107.93	120.80
1	7I	169	ASP	N-CA-C	-6.44	98.73	108.96
1	7U	169	ASP	N-CA-C	-6.44	98.73	108.96
1	1Q	1	ASP	CA-C-N	-6.43	110.99	120.38
1	1Q	1	ASP	C-N-CA	-6.43	110.99	120.38
3	1S	9	ALA	N-CA-C	-6.43	104.35	111.36
1	1U	1	ASP	CA-C-N	-6.43	110.99	120.38
1	1U	1	ASP	C-N-CA	-6.43	110.99	120.38
3	1W	9	ALA	N-CA-C	-6.43	104.35	111.36
1	1Y	1	ASP	CA-C-N	-6.43	110.99	120.38
1	1Y	1	ASP	C-N-CA	-6.43	110.99	120.38
3	10	9	ALA	N-CA-C	-6.43	104.35	111.36
1	2Q	1	ASP	CA-C-N	-6.43	110.99	120.38
1	2Q	1	ASP	C-N-CA	-6.43	110.99	120.38
3	2S	9	ALA	N-CA-C	-6.43	104.35	111.36
1	2U	1	ASP	CA-C-N	-6.43	110.99	120.38
1	2U	1	ASP	C-N-CA	-6.43	110.99	120.38
3	2W	9	ALA	N-CA-C	-6.43	104.35	111.36
1	2Y	1	ASP	CA-C-N	-6.43	110.99	120.38
1	2Y	1	ASP	C-N-CA	-6.43	110.99	120.38
3	20	9	ALA	N-CA-C	-6.43	104.35	111.36
1	42	1	ASP	CA-C-N	-6.43	110.99	120.38
1	42	1	ASP	C-N-CA	-6.43	110.99	120.38
3	44	9	ALA	N-CA-C	-6.43	104.35	111.36
1	46	1	ASP	CA-C-N	-6.43	110.99	120.38
1	46	1	ASP	C-N-CA	-6.43	110.99	120.38
3	48	9	ALA	N-CA-C	-6.43	104.35	111.36
1	5A	1	ASP	CA-C-N	-6.43	110.99	120.38
1	5A	1	ASP	C-N-CA	-6.43	110.99	120.38
3	5C	9	ALA	N-CA-C	-6.43	104.35	111.36
1	52	1	ASP	CA-C-N	-6.43	110.99	120.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	52	1	ASP	C-N-CA	-6.43	110.99	120.38
3	54	9	ALA	N-CA-C	-6.43	104.35	111.36
1	56	1	ASP	CA-C-N	-6.43	110.99	120.38
1	56	1	ASP	C-N-CA	-6.43	110.99	120.38
3	58	9	ALA	N-CA-C	-6.43	104.35	111.36
1	6A	1	ASP	CA-C-N	-6.43	110.99	120.38
1	6A	1	ASP	C-N-CA	-6.43	110.99	120.38
3	6C	9	ALA	N-CA-C	-6.43	104.35	111.36
1	1E	178	SER	CA-C-O	6.43	128.43	121.16
2	13	30	PRO	N-CA-C	-6.43	99.22	112.47
2	17	30	PRO	N-CA-C	-6.43	99.22	112.47
2	2B	30	PRO	N-CA-C	-6.43	99.22	112.47
1	2M	178	SER	CA-C-O	6.43	128.43	121.16
1	22	178	SER	CA-C-O	6.43	128.43	121.16
1	3M	178	SER	CA-C-O	6.43	128.43	121.16
2	3R	30	PRO	N-CA-C	-6.43	99.22	112.47
2	3V	30	PRO	N-CA-C	-6.43	99.22	112.47
2	3Z	30	PRO	N-CA-C	-6.43	99.22	112.47
1	36	178	SER	CA-C-O	6.43	128.43	121.16
1	4I	178	SER	CA-C-O	6.43	128.43	121.16
1	4Q	178	SER	CA-C-O	6.43	128.43	121.16
2	5F	30	PRO	N-CA-C	-6.43	99.22	112.47
2	5J	30	PRO	N-CA-C	-6.43	99.22	112.47
2	5N	30	PRO	N-CA-C	-6.43	99.22	112.47
1	5Y	178	SER	CA-C-O	6.43	128.43	121.16
1	6E	178	SER	CA-C-O	6.43	128.43	121.16
1	6Y	178	SER	CA-C-O	6.43	128.43	121.16
2	63	30	PRO	N-CA-C	-6.43	99.22	112.47
2	67	30	PRO	N-CA-C	-6.43	99.22	112.47
2	7B	30	PRO	N-CA-C	-6.43	99.22	112.47
1	7I	178	SER	CA-C-O	6.43	128.43	121.16
1	7U	178	SER	CA-C-O	6.43	128.43	121.16
2	1F	216	ASN	CB-CG-OD1	-6.43	107.94	120.80
2	1N	30	PRO	N-CA-C	-6.43	99.23	112.47
2	2J	30	PRO	N-CA-C	-6.43	99.23	112.47
2	2N	216	ASN	CB-CG-OD1	-6.43	107.94	120.80
2	23	216	ASN	CB-CG-OD1	-6.43	107.94	120.80
2	3B	30	PRO	N-CA-C	-6.43	99.23	112.47
2	3J	30	PRO	N-CA-C	-6.43	99.23	112.47
2	3N	216	ASN	CB-CG-OD1	-6.43	107.94	120.80
2	33	30	PRO	N-CA-C	-6.43	99.23	112.47
2	37	216	ASN	CB-CG-OD1	-6.43	107.94	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	30	PRO	N-CA-C	-6.43	99.23	112.47
2	4J	216	ASN	CB-CG-OD1	-6.43	107.94	120.80
2	4R	216	ASN	CB-CG-OD1	-6.43	107.94	120.80
2	4Z	30	PRO	N-CA-C	-6.43	99.23	112.47
2	5V	30	PRO	N-CA-C	-6.43	99.23	112.47
2	5Z	216	ASN	CB-CG-OD1	-6.43	107.94	120.80
2	6F	216	ASN	CB-CG-OD1	-6.43	107.94	120.80
2	6N	30	PRO	N-CA-C	-6.43	99.23	112.47
2	6V	30	PRO	N-CA-C	-6.43	99.23	112.47
2	6Z	216	ASN	CB-CG-OD1	-6.43	107.94	120.80
2	7F	30	PRO	N-CA-C	-6.43	99.23	112.47
2	7J	216	ASN	CB-CG-OD1	-6.43	107.94	120.80
2	7R	30	PRO	N-CA-C	-6.43	99.23	112.47
2	7V	216	ASN	CB-CG-OD1	-6.43	107.94	120.80
1	1M	1	ASP	CA-C-N	-6.43	111.00	120.38
1	1M	1	ASP	C-N-CA	-6.43	111.00	120.38
1	2I	1	ASP	CA-C-N	-6.43	111.00	120.38
1	2I	1	ASP	C-N-CA	-6.43	111.00	120.38
1	3A	1	ASP	CA-C-N	-6.43	111.00	120.38
1	3A	1	ASP	C-N-CA	-6.43	111.00	120.38
1	3I	1	ASP	CA-C-N	-6.43	111.00	120.38
1	3I	1	ASP	C-N-CA	-6.43	111.00	120.38
1	32	1	ASP	CA-C-N	-6.43	111.00	120.38
1	32	1	ASP	C-N-CA	-6.43	111.00	120.38
1	4E	1	ASP	CA-C-N	-6.43	111.00	120.38
1	4E	1	ASP	C-N-CA	-6.43	111.00	120.38
1	4Y	1	ASP	CA-C-N	-6.43	111.00	120.38
1	4Y	1	ASP	C-N-CA	-6.43	111.00	120.38
1	5U	1	ASP	CA-C-N	-6.43	111.00	120.38
1	5U	1	ASP	C-N-CA	-6.43	111.00	120.38
1	6M	1	ASP	CA-C-N	-6.43	111.00	120.38
1	6M	1	ASP	C-N-CA	-6.43	111.00	120.38
1	6U	1	ASP	CA-C-N	-6.43	111.00	120.38
1	6U	1	ASP	C-N-CA	-6.43	111.00	120.38
1	7E	1	ASP	CA-C-N	-6.43	111.00	120.38
1	7E	1	ASP	C-N-CA	-6.43	111.00	120.38
1	7Q	1	ASP	CA-C-N	-6.43	111.00	120.38
1	7Q	1	ASP	C-N-CA	-6.43	111.00	120.38
1	1E	89	PHE	CA-C-O	6.42	131.72	120.80
2	13	69	SER	O-C-N	-6.42	113.82	122.43
2	17	69	SER	O-C-N	-6.42	113.82	122.43
2	2B	69	SER	O-C-N	-6.42	113.82	122.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	89	PHE	CA-C-O	6.42	131.72	120.80
1	22	89	PHE	CA-C-O	6.42	131.72	120.80
1	3M	89	PHE	CA-C-O	6.42	131.72	120.80
2	3R	69	SER	O-C-N	-6.42	113.82	122.43
2	3V	69	SER	O-C-N	-6.42	113.82	122.43
2	3Z	69	SER	O-C-N	-6.42	113.82	122.43
1	36	89	PHE	CA-C-O	6.42	131.72	120.80
1	4I	89	PHE	CA-C-O	6.42	131.72	120.80
1	4Q	89	PHE	CA-C-O	6.42	131.72	120.80
2	5F	69	SER	O-C-N	-6.42	113.82	122.43
2	5J	69	SER	O-C-N	-6.42	113.82	122.43
2	5N	69	SER	O-C-N	-6.42	113.82	122.43
1	5Y	89	PHE	CA-C-O	6.42	131.72	120.80
1	6E	89	PHE	CA-C-O	6.42	131.72	120.80
1	6Y	89	PHE	CA-C-O	6.42	131.72	120.80
2	63	69	SER	O-C-N	-6.42	113.82	122.43
2	67	69	SER	O-C-N	-6.42	113.82	122.43
2	7B	69	SER	O-C-N	-6.42	113.82	122.43
1	7I	89	PHE	CA-C-O	6.42	131.72	120.80
1	7U	89	PHE	CA-C-O	6.42	131.72	120.80
2	1B	216	ASN	CB-CG-OD1	-6.42	107.95	120.80
2	1J	216	ASN	CB-CG-OD1	-6.42	107.95	120.80
1	1Q	89	PHE	CA-C-O	6.42	131.72	120.80
1	1U	89	PHE	CA-C-O	6.42	131.72	120.80
1	1Y	89	PHE	CA-C-O	6.42	131.72	120.80
2	2F	216	ASN	CB-CG-OD1	-6.42	107.95	120.80
1	2Q	89	PHE	CA-C-O	6.42	131.72	120.80
1	2U	89	PHE	CA-C-O	6.42	131.72	120.80
1	2Y	89	PHE	CA-C-O	6.42	131.72	120.80
2	27	216	ASN	CB-CG-OD1	-6.42	107.95	120.80
2	3F	216	ASN	CB-CG-OD1	-6.42	107.95	120.80
2	4B	216	ASN	CB-CG-OD1	-6.42	107.95	120.80
2	4N	216	ASN	CB-CG-OD1	-6.42	107.95	120.80
2	4V	216	ASN	CB-CG-OD1	-6.42	107.95	120.80
1	42	89	PHE	CA-C-O	6.42	131.72	120.80
1	46	89	PHE	CA-C-O	6.42	131.72	120.80
1	5A	89	PHE	CA-C-O	6.42	131.72	120.80
2	5R	216	ASN	CB-CG-OD1	-6.42	107.95	120.80
1	52	89	PHE	CA-C-O	6.42	131.72	120.80
1	56	89	PHE	CA-C-O	6.42	131.72	120.80
1	6A	89	PHE	CA-C-O	6.42	131.72	120.80
2	6J	216	ASN	CB-CG-OD1	-6.42	107.95	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	216	ASN	CB-CG-OD1	-6.42	107.95	120.80
2	7N	216	ASN	CB-CG-OD1	-6.42	107.95	120.80
1	12	1	ASP	CA-C-N	-6.42	111.01	120.38
1	12	1	ASP	C-N-CA	-6.42	111.01	120.38
1	16	1	ASP	CA-C-N	-6.42	111.01	120.38
1	16	1	ASP	C-N-CA	-6.42	111.01	120.38
1	2A	1	ASP	CA-C-N	-6.42	111.01	120.38
1	2A	1	ASP	C-N-CA	-6.42	111.01	120.38
1	3Q	1	ASP	CA-C-N	-6.42	111.01	120.38
1	3Q	1	ASP	C-N-CA	-6.42	111.01	120.38
1	3U	1	ASP	CA-C-N	-6.42	111.01	120.38
1	3U	1	ASP	C-N-CA	-6.42	111.01	120.38
1	3Y	1	ASP	CA-C-N	-6.42	111.01	120.38
1	3Y	1	ASP	C-N-CA	-6.42	111.01	120.38
1	5E	1	ASP	CA-C-N	-6.42	111.01	120.38
1	5E	1	ASP	C-N-CA	-6.42	111.01	120.38
1	5I	1	ASP	CA-C-N	-6.42	111.01	120.38
1	5I	1	ASP	C-N-CA	-6.42	111.01	120.38
1	5M	1	ASP	CA-C-N	-6.42	111.01	120.38
1	5M	1	ASP	C-N-CA	-6.42	111.01	120.38
1	62	1	ASP	CA-C-N	-6.42	111.01	120.38
1	62	1	ASP	C-N-CA	-6.42	111.01	120.38
1	66	1	ASP	CA-C-N	-6.42	111.01	120.38
1	66	1	ASP	C-N-CA	-6.42	111.01	120.38
1	7A	1	ASP	CA-C-N	-6.42	111.01	120.38
1	7A	1	ASP	C-N-CA	-6.42	111.01	120.38
1	1A	1	ASP	CA-C-N	-6.42	111.01	120.38
1	1A	1	ASP	C-N-CA	-6.42	111.01	120.38
1	1I	1	ASP	CA-C-N	-6.42	111.01	120.38
1	1I	1	ASP	C-N-CA	-6.42	111.01	120.38
1	1M	89	PHE	CA-C-O	6.42	131.71	120.80
3	1O	9	ALA	N-CA-C	-6.42	104.36	111.36
1	2E	1	ASP	CA-C-N	-6.42	111.01	120.38
1	2E	1	ASP	C-N-CA	-6.42	111.01	120.38
1	2I	89	PHE	CA-C-O	6.42	131.71	120.80
3	2K	9	ALA	N-CA-C	-6.42	104.36	111.36
1	26	1	ASP	CA-C-N	-6.42	111.01	120.38
1	26	1	ASP	C-N-CA	-6.42	111.01	120.38
1	3A	89	PHE	CA-C-O	6.42	131.71	120.80
3	3C	9	ALA	N-CA-C	-6.42	104.36	111.36
1	3E	1	ASP	CA-C-N	-6.42	111.01	120.38
1	3E	1	ASP	C-N-CA	-6.42	111.01	120.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3I	89	PHE	CA-C-O	6.42	131.71	120.80
3	3K	9	ALA	N-CA-C	-6.42	104.36	111.36
1	32	89	PHE	CA-C-O	6.42	131.71	120.80
3	34	9	ALA	N-CA-C	-6.42	104.36	111.36
1	4A	1	ASP	CA-C-N	-6.42	111.01	120.38
1	4A	1	ASP	C-N-CA	-6.42	111.01	120.38
1	4E	89	PHE	CA-C-O	6.42	131.71	120.80
3	4G	9	ALA	N-CA-C	-6.42	104.36	111.36
1	4M	1	ASP	CA-C-N	-6.42	111.01	120.38
1	4M	1	ASP	C-N-CA	-6.42	111.01	120.38
1	4U	1	ASP	CA-C-N	-6.42	111.01	120.38
1	4U	1	ASP	C-N-CA	-6.42	111.01	120.38
1	4Y	89	PHE	CA-C-O	6.42	131.71	120.80
3	40	9	ALA	N-CA-C	-6.42	104.36	111.36
1	5Q	1	ASP	CA-C-N	-6.42	111.01	120.38
1	5Q	1	ASP	C-N-CA	-6.42	111.01	120.38
1	5U	89	PHE	CA-C-O	6.42	131.71	120.80
3	5W	9	ALA	N-CA-C	-6.42	104.36	111.36
1	6I	1	ASP	CA-C-N	-6.42	111.01	120.38
1	6I	1	ASP	C-N-CA	-6.42	111.01	120.38
1	6M	89	PHE	CA-C-O	6.42	131.71	120.80
3	6O	9	ALA	N-CA-C	-6.42	104.36	111.36
1	6Q	1	ASP	CA-C-N	-6.42	111.01	120.38
1	6Q	1	ASP	C-N-CA	-6.42	111.01	120.38
1	6U	89	PHE	CA-C-O	6.42	131.71	120.80
3	6W	9	ALA	N-CA-C	-6.42	104.36	111.36
1	7E	89	PHE	CA-C-O	6.42	131.71	120.80
3	7G	9	ALA	N-CA-C	-6.42	104.36	111.36
1	7M	1	ASP	CA-C-N	-6.42	111.01	120.38
1	7M	1	ASP	C-N-CA	-6.42	111.01	120.38
1	7Q	89	PHE	CA-C-O	6.42	131.71	120.80
3	7S	9	ALA	N-CA-C	-6.42	104.36	111.36
1	1E	106	TYR	CB-CA-C	-6.42	97.65	110.42
1	12	169	ASP	N-CA-C	-6.42	98.76	108.96
1	16	169	ASP	N-CA-C	-6.42	98.76	108.96
1	2A	169	ASP	N-CA-C	-6.42	98.76	108.96
1	2M	106	TYR	CB-CA-C	-6.42	97.65	110.42
1	22	106	TYR	CB-CA-C	-6.42	97.65	110.42
1	3M	106	TYR	CB-CA-C	-6.42	97.65	110.42
1	3Q	169	ASP	N-CA-C	-6.42	98.76	108.96
1	3U	169	ASP	N-CA-C	-6.42	98.76	108.96
1	3Y	169	ASP	N-CA-C	-6.42	98.76	108.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	106	TYR	CB-CA-C	-6.42	97.65	110.42
1	4I	106	TYR	CB-CA-C	-6.42	97.65	110.42
1	4Q	106	TYR	CB-CA-C	-6.42	97.65	110.42
1	5E	169	ASP	N-CA-C	-6.42	98.76	108.96
1	5I	169	ASP	N-CA-C	-6.42	98.76	108.96
1	5M	169	ASP	N-CA-C	-6.42	98.76	108.96
1	5Y	106	TYR	CB-CA-C	-6.42	97.65	110.42
1	6E	106	TYR	CB-CA-C	-6.42	97.65	110.42
1	6Y	106	TYR	CB-CA-C	-6.42	97.65	110.42
1	62	169	ASP	N-CA-C	-6.42	98.76	108.96
1	66	169	ASP	N-CA-C	-6.42	98.76	108.96
1	7A	169	ASP	N-CA-C	-6.42	98.76	108.96
1	7I	106	TYR	CB-CA-C	-6.42	97.65	110.42
1	7U	106	TYR	CB-CA-C	-6.42	97.65	110.42
3	1C	9	ALA	N-CA-C	-6.41	104.37	111.36
1	1E	1	ASP	CA-C-N	-6.41	111.02	120.38
1	1E	1	ASP	C-N-CA	-6.41	111.02	120.38
3	1K	9	ALA	N-CA-C	-6.41	104.37	111.36
1	1Q	140	PHE	CB-CA-C	-6.41	98.63	109.72
2	1R	30	PRO	N-CA-C	-6.41	99.26	112.47
2	1R	69	SER	O-C-N	-6.41	113.84	122.43
1	1U	140	PHE	CB-CA-C	-6.41	98.63	109.72
2	1V	30	PRO	N-CA-C	-6.41	99.26	112.47
2	1V	69	SER	O-C-N	-6.41	113.84	122.43
1	1Y	140	PHE	CB-CA-C	-6.41	98.63	109.72
2	1Z	30	PRO	N-CA-C	-6.41	99.26	112.47
2	1Z	69	SER	O-C-N	-6.41	113.84	122.43
3	2G	9	ALA	N-CA-C	-6.41	104.37	111.36
1	2M	1	ASP	CA-C-N	-6.41	111.02	120.38
1	2M	1	ASP	C-N-CA	-6.41	111.02	120.38
1	2Q	140	PHE	CB-CA-C	-6.41	98.63	109.72
2	2R	30	PRO	N-CA-C	-6.41	99.26	112.47
2	2R	69	SER	O-C-N	-6.41	113.84	122.43
1	2U	140	PHE	CB-CA-C	-6.41	98.63	109.72
2	2V	30	PRO	N-CA-C	-6.41	99.26	112.47
2	2V	69	SER	O-C-N	-6.41	113.84	122.43
1	2Y	140	PHE	CB-CA-C	-6.41	98.63	109.72
2	2Z	30	PRO	N-CA-C	-6.41	99.26	112.47
2	2Z	69	SER	O-C-N	-6.41	113.84	122.43
1	22	1	ASP	CA-C-N	-6.41	111.02	120.38
1	22	1	ASP	C-N-CA	-6.41	111.02	120.38
3	28	9	ALA	N-CA-C	-6.41	104.37	111.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	3G	9	ALA	N-CA-C	-6.41	104.37	111.36
1	3M	1	ASP	CA-C-N	-6.41	111.02	120.38
1	3M	1	ASP	C-N-CA	-6.41	111.02	120.38
1	36	1	ASP	CA-C-N	-6.41	111.02	120.38
1	36	1	ASP	C-N-CA	-6.41	111.02	120.38
3	4C	9	ALA	N-CA-C	-6.41	104.37	111.36
1	4I	1	ASP	CA-C-N	-6.41	111.02	120.38
1	4I	1	ASP	C-N-CA	-6.41	111.02	120.38
3	4O	9	ALA	N-CA-C	-6.41	104.37	111.36
1	4Q	1	ASP	CA-C-N	-6.41	111.02	120.38
1	4Q	1	ASP	C-N-CA	-6.41	111.02	120.38
3	4W	9	ALA	N-CA-C	-6.41	104.37	111.36
1	42	140	PHE	CB-CA-C	-6.41	98.63	109.72
2	43	30	PRO	N-CA-C	-6.41	99.26	112.47
2	43	69	SER	O-C-N	-6.41	113.84	122.43
1	46	140	PHE	CB-CA-C	-6.41	98.63	109.72
2	47	30	PRO	N-CA-C	-6.41	99.26	112.47
2	47	69	SER	O-C-N	-6.41	113.84	122.43
1	5A	140	PHE	CB-CA-C	-6.41	98.63	109.72
2	5B	30	PRO	N-CA-C	-6.41	99.26	112.47
2	5B	69	SER	O-C-N	-6.41	113.84	122.43
3	5S	9	ALA	N-CA-C	-6.41	104.37	111.36
1	5Y	1	ASP	CA-C-N	-6.41	111.02	120.38
1	5Y	1	ASP	C-N-CA	-6.41	111.02	120.38
1	52	140	PHE	CB-CA-C	-6.41	98.63	109.72
2	53	30	PRO	N-CA-C	-6.41	99.26	112.47
2	53	69	SER	O-C-N	-6.41	113.84	122.43
1	56	140	PHE	CB-CA-C	-6.41	98.63	109.72
2	57	30	PRO	N-CA-C	-6.41	99.26	112.47
2	57	69	SER	O-C-N	-6.41	113.84	122.43
1	6A	140	PHE	CB-CA-C	-6.41	98.63	109.72
2	6B	30	PRO	N-CA-C	-6.41	99.26	112.47
2	6B	69	SER	O-C-N	-6.41	113.84	122.43
1	6E	1	ASP	CA-C-N	-6.41	111.02	120.38
1	6E	1	ASP	C-N-CA	-6.41	111.02	120.38
3	6K	9	ALA	N-CA-C	-6.41	104.37	111.36
3	6S	9	ALA	N-CA-C	-6.41	104.37	111.36
1	6Y	1	ASP	CA-C-N	-6.41	111.02	120.38
1	6Y	1	ASP	C-N-CA	-6.41	111.02	120.38
1	7I	1	ASP	CA-C-N	-6.41	111.02	120.38
1	7I	1	ASP	C-N-CA	-6.41	111.02	120.38
3	7O	9	ALA	N-CA-C	-6.41	104.37	111.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	1	ASP	CA-C-N	-6.41	111.02	120.38
1	7U	1	ASP	C-N-CA	-6.41	111.02	120.38
2	1R	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	1V	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	1Z	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
1	12	106	TYR	CB-CA-C	-6.41	97.66	110.42
1	16	106	TYR	CB-CA-C	-6.41	97.66	110.42
1	2A	106	TYR	CB-CA-C	-6.41	97.66	110.42
2	2R	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	2V	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	2Z	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
1	3Q	106	TYR	CB-CA-C	-6.41	97.66	110.42
1	3U	106	TYR	CB-CA-C	-6.41	97.66	110.42
1	3Y	106	TYR	CB-CA-C	-6.41	97.66	110.42
2	43	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	47	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	5B	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
1	5E	106	TYR	CB-CA-C	-6.41	97.66	110.42
1	5I	106	TYR	CB-CA-C	-6.41	97.66	110.42
1	5M	106	TYR	CB-CA-C	-6.41	97.66	110.42
2	53	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	57	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	6B	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
1	62	106	TYR	CB-CA-C	-6.41	97.66	110.42
1	66	106	TYR	CB-CA-C	-6.41	97.66	110.42
1	7A	106	TYR	CB-CA-C	-6.41	97.66	110.42
2	1N	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
1	12	89	PHE	CA-C-O	6.41	131.70	120.80
1	16	89	PHE	CA-C-O	6.41	131.70	120.80
1	2A	89	PHE	CA-C-O	6.41	131.70	120.80
2	2J	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	3B	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	3J	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
1	3Q	89	PHE	CA-C-O	6.41	131.70	120.80
1	3U	89	PHE	CA-C-O	6.41	131.70	120.80
1	3Y	89	PHE	CA-C-O	6.41	131.70	120.80
2	33	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	4F	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	4Z	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
1	5E	89	PHE	CA-C-O	6.41	131.70	120.80
1	5I	89	PHE	CA-C-O	6.41	131.70	120.80
1	5M	89	PHE	CA-C-O	6.41	131.70	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	6N	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	6V	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
1	62	89	PHE	CA-C-O	6.41	131.70	120.80
1	66	89	PHE	CA-C-O	6.41	131.70	120.80
1	7A	89	PHE	CA-C-O	6.41	131.70	120.80
2	7F	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	7R	216	ASN	CB-CG-OD1	-6.41	107.98	120.80
2	1B	69	SER	O-C-N	-6.41	113.84	122.43
2	1J	69	SER	O-C-N	-6.41	113.84	122.43
1	1Q	178	SER	CA-C-O	6.41	128.40	121.16
1	1U	178	SER	CA-C-O	6.41	128.40	121.16
1	1Y	178	SER	CA-C-O	6.41	128.40	121.16
1	12	90	PHE	CA-C-N	-6.41	113.67	120.66
1	12	90	PHE	C-N-CA	-6.41	113.67	120.66
1	16	90	PHE	CA-C-N	-6.41	113.67	120.66
1	16	90	PHE	C-N-CA	-6.41	113.67	120.66
1	2A	90	PHE	CA-C-N	-6.41	113.67	120.66
1	2A	90	PHE	C-N-CA	-6.41	113.67	120.66
2	2F	69	SER	O-C-N	-6.41	113.84	122.43
1	2Q	178	SER	CA-C-O	6.41	128.40	121.16
1	2U	178	SER	CA-C-O	6.41	128.40	121.16
1	2Y	178	SER	CA-C-O	6.41	128.40	121.16
2	27	69	SER	O-C-N	-6.41	113.84	122.43
2	3F	69	SER	O-C-N	-6.41	113.84	122.43
1	3Q	90	PHE	CA-C-N	-6.41	113.67	120.66
1	3Q	90	PHE	C-N-CA	-6.41	113.67	120.66
1	3U	90	PHE	CA-C-N	-6.41	113.67	120.66
1	3U	90	PHE	C-N-CA	-6.41	113.67	120.66
1	3Y	90	PHE	CA-C-N	-6.41	113.67	120.66
1	3Y	90	PHE	C-N-CA	-6.41	113.67	120.66
2	4B	69	SER	O-C-N	-6.41	113.84	122.43
2	4N	69	SER	O-C-N	-6.41	113.84	122.43
2	4V	69	SER	O-C-N	-6.41	113.84	122.43
1	42	178	SER	CA-C-O	6.41	128.40	121.16
1	46	178	SER	CA-C-O	6.41	128.40	121.16
1	5A	178	SER	CA-C-O	6.41	128.40	121.16
1	5E	90	PHE	CA-C-N	-6.41	113.67	120.66
1	5E	90	PHE	C-N-CA	-6.41	113.67	120.66
1	5I	90	PHE	CA-C-N	-6.41	113.67	120.66
1	5I	90	PHE	C-N-CA	-6.41	113.67	120.66
1	5M	90	PHE	CA-C-N	-6.41	113.67	120.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	90	PHE	C-N-CA	-6.41	113.67	120.66
2	5R	69	SER	O-C-N	-6.41	113.84	122.43
1	52	178	SER	CA-C-O	6.41	128.40	121.16
1	56	178	SER	CA-C-O	6.41	128.40	121.16
1	6A	178	SER	CA-C-O	6.41	128.40	121.16
2	6J	69	SER	O-C-N	-6.41	113.84	122.43
2	6R	69	SER	O-C-N	-6.41	113.84	122.43
1	62	90	PHE	CA-C-N	-6.41	113.67	120.66
1	62	90	PHE	C-N-CA	-6.41	113.67	120.66
1	66	90	PHE	CA-C-N	-6.41	113.67	120.66
1	66	90	PHE	C-N-CA	-6.41	113.67	120.66
1	7A	90	PHE	CA-C-N	-6.41	113.67	120.66
1	7A	90	PHE	C-N-CA	-6.41	113.67	120.66
2	7N	69	SER	O-C-N	-6.41	113.84	122.43
1	1A	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	1A	169	ASP	N-CA-C	-6.41	98.77	108.96
2	1F	30	PRO	N-CA-C	-6.41	99.27	112.47
1	1I	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	1I	169	ASP	N-CA-C	-6.41	98.77	108.96
1	1M	90	PHE	CA-C-N	-6.41	113.68	120.66
1	1M	90	PHE	C-N-CA	-6.41	113.68	120.66
1	12	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	16	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	2A	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	2E	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	2E	169	ASP	N-CA-C	-6.41	98.77	108.96
1	2I	90	PHE	CA-C-N	-6.41	113.68	120.66
1	2I	90	PHE	C-N-CA	-6.41	113.68	120.66
2	2N	30	PRO	N-CA-C	-6.41	99.27	112.47
2	23	30	PRO	N-CA-C	-6.41	99.27	112.47
1	26	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	26	169	ASP	N-CA-C	-6.41	98.77	108.96
1	3A	90	PHE	CA-C-N	-6.41	113.68	120.66
1	3A	90	PHE	C-N-CA	-6.41	113.68	120.66
1	3E	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	3E	169	ASP	N-CA-C	-6.41	98.77	108.96
1	3I	90	PHE	CA-C-N	-6.41	113.68	120.66
1	3I	90	PHE	C-N-CA	-6.41	113.68	120.66
2	3N	30	PRO	N-CA-C	-6.41	99.27	112.47
1	3Q	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	3U	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	3Y	140	PHE	CB-CA-C	-6.41	98.64	109.72

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	90	PHE	CA-C-N	-6.41	113.68	120.66
1	32	90	PHE	C-N-CA	-6.41	113.68	120.66
2	37	30	PRO	N-CA-C	-6.41	99.27	112.47
1	4A	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	4A	169	ASP	N-CA-C	-6.41	98.77	108.96
1	4E	90	PHE	CA-C-N	-6.41	113.68	120.66
1	4E	90	PHE	C-N-CA	-6.41	113.68	120.66
2	4J	30	PRO	N-CA-C	-6.41	99.27	112.47
1	4M	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	4M	169	ASP	N-CA-C	-6.41	98.77	108.96
2	4R	30	PRO	N-CA-C	-6.41	99.27	112.47
1	4U	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	4U	169	ASP	N-CA-C	-6.41	98.77	108.96
1	4Y	90	PHE	CA-C-N	-6.41	113.68	120.66
1	4Y	90	PHE	C-N-CA	-6.41	113.68	120.66
1	5E	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	5I	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	5M	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	5Q	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	5Q	169	ASP	N-CA-C	-6.41	98.77	108.96
1	5U	90	PHE	CA-C-N	-6.41	113.68	120.66
1	5U	90	PHE	C-N-CA	-6.41	113.68	120.66
2	5Z	30	PRO	N-CA-C	-6.41	99.27	112.47
2	6F	30	PRO	N-CA-C	-6.41	99.27	112.47
1	6I	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	6I	169	ASP	N-CA-C	-6.41	98.77	108.96
1	6M	90	PHE	CA-C-N	-6.41	113.68	120.66
1	6M	90	PHE	C-N-CA	-6.41	113.68	120.66
1	6Q	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	6Q	169	ASP	N-CA-C	-6.41	98.77	108.96
1	6U	90	PHE	CA-C-N	-6.41	113.68	120.66
1	6U	90	PHE	C-N-CA	-6.41	113.68	120.66
2	6Z	30	PRO	N-CA-C	-6.41	99.27	112.47
1	62	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	66	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	7A	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	7E	90	PHE	CA-C-N	-6.41	113.68	120.66
1	7E	90	PHE	C-N-CA	-6.41	113.68	120.66
2	7J	30	PRO	N-CA-C	-6.41	99.27	112.47
1	7M	140	PHE	CB-CA-C	-6.41	98.64	109.72
1	7M	169	ASP	N-CA-C	-6.41	98.77	108.96
1	7Q	90	PHE	CA-C-N	-6.41	113.68	120.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	90	PHE	C-N-CA	-6.41	113.68	120.66
2	7V	30	PRO	N-CA-C	-6.41	99.27	112.47
2	1N	69	SER	O-C-N	-6.40	113.85	122.43
2	2J	69	SER	O-C-N	-6.40	113.85	122.43
2	3B	69	SER	O-C-N	-6.40	113.85	122.43
2	3J	69	SER	O-C-N	-6.40	113.85	122.43
2	33	69	SER	O-C-N	-6.40	113.85	122.43
2	4F	69	SER	O-C-N	-6.40	113.85	122.43
2	4Z	69	SER	O-C-N	-6.40	113.85	122.43
2	5V	69	SER	O-C-N	-6.40	113.85	122.43
2	6N	69	SER	O-C-N	-6.40	113.85	122.43
2	6V	69	SER	O-C-N	-6.40	113.85	122.43
2	7F	69	SER	O-C-N	-6.40	113.85	122.43
2	7R	69	SER	O-C-N	-6.40	113.85	122.43
1	1M	140	PHE	CB-CA-C	-6.40	98.65	109.72
1	1Q	169	ASP	N-CA-C	-6.40	98.79	108.96
1	1U	169	ASP	N-CA-C	-6.40	98.79	108.96
1	1Y	169	ASP	N-CA-C	-6.40	98.79	108.96
2	13	8	VAL	CA-C-N	-6.40	110.45	121.97
2	13	8	VAL	C-N-CA	-6.40	110.45	121.97
2	17	8	VAL	CA-C-N	-6.40	110.45	121.97
2	17	8	VAL	C-N-CA	-6.40	110.45	121.97
2	2B	8	VAL	CA-C-N	-6.40	110.45	121.97
2	2B	8	VAL	C-N-CA	-6.40	110.45	121.97
1	2I	140	PHE	CB-CA-C	-6.40	98.65	109.72
1	2Q	169	ASP	N-CA-C	-6.40	98.79	108.96
1	2U	169	ASP	N-CA-C	-6.40	98.79	108.96
1	2Y	169	ASP	N-CA-C	-6.40	98.79	108.96
1	3A	140	PHE	CB-CA-C	-6.40	98.65	109.72
1	3I	140	PHE	CB-CA-C	-6.40	98.65	109.72
2	3R	8	VAL	CA-C-N	-6.40	110.45	121.97
2	3R	8	VAL	C-N-CA	-6.40	110.45	121.97
2	3V	8	VAL	CA-C-N	-6.40	110.45	121.97
2	3V	8	VAL	C-N-CA	-6.40	110.45	121.97
2	3Z	8	VAL	CA-C-N	-6.40	110.45	121.97
2	3Z	8	VAL	C-N-CA	-6.40	110.45	121.97
1	32	140	PHE	CB-CA-C	-6.40	98.65	109.72
1	4E	140	PHE	CB-CA-C	-6.40	98.65	109.72
1	4Y	140	PHE	CB-CA-C	-6.40	98.65	109.72
1	42	169	ASP	N-CA-C	-6.40	98.79	108.96
1	46	169	ASP	N-CA-C	-6.40	98.79	108.96
1	5A	169	ASP	N-CA-C	-6.40	98.79	108.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5F	8	VAL	CA-C-N	-6.40	110.45	121.97
2	5F	8	VAL	C-N-CA	-6.40	110.45	121.97
2	5J	8	VAL	CA-C-N	-6.40	110.45	121.97
2	5J	8	VAL	C-N-CA	-6.40	110.45	121.97
2	5N	8	VAL	CA-C-N	-6.40	110.45	121.97
2	5N	8	VAL	C-N-CA	-6.40	110.45	121.97
1	5U	140	PHE	CB-CA-C	-6.40	98.65	109.72
1	52	169	ASP	N-CA-C	-6.40	98.79	108.96
1	56	169	ASP	N-CA-C	-6.40	98.79	108.96
1	6A	169	ASP	N-CA-C	-6.40	98.79	108.96
1	6M	140	PHE	CB-CA-C	-6.40	98.65	109.72
1	6U	140	PHE	CB-CA-C	-6.40	98.65	109.72
2	63	8	VAL	CA-C-N	-6.40	110.45	121.97
2	63	8	VAL	C-N-CA	-6.40	110.45	121.97
2	67	8	VAL	CA-C-N	-6.40	110.45	121.97
2	67	8	VAL	C-N-CA	-6.40	110.45	121.97
2	7B	8	VAL	CA-C-N	-6.40	110.45	121.97
2	7B	8	VAL	C-N-CA	-6.40	110.45	121.97
1	7E	140	PHE	CB-CA-C	-6.40	98.65	109.72
1	7Q	140	PHE	CB-CA-C	-6.40	98.65	109.72
1	1A	106	TYR	CB-CA-C	-6.40	97.69	110.42
1	1I	106	TYR	CB-CA-C	-6.40	97.69	110.42
1	2E	106	TYR	CB-CA-C	-6.40	97.69	110.42
1	26	106	TYR	CB-CA-C	-6.40	97.69	110.42
1	3E	106	TYR	CB-CA-C	-6.40	97.69	110.42
1	4A	106	TYR	CB-CA-C	-6.40	97.69	110.42
1	4M	106	TYR	CB-CA-C	-6.40	97.69	110.42
1	4U	106	TYR	CB-CA-C	-6.40	97.69	110.42
1	5Q	106	TYR	CB-CA-C	-6.40	97.69	110.42
1	6I	106	TYR	CB-CA-C	-6.40	97.69	110.42
1	6Q	106	TYR	CB-CA-C	-6.40	97.69	110.42
1	7M	106	TYR	CB-CA-C	-6.40	97.69	110.42
1	1A	90	PHE	CA-C-N	-6.39	113.69	120.66
1	1A	90	PHE	C-N-CA	-6.39	113.69	120.66
2	1F	8	VAL	CA-C-N	-6.39	110.46	121.97
2	1F	8	VAL	C-N-CA	-6.39	110.46	121.97
1	1I	90	PHE	CA-C-N	-6.39	113.69	120.66
1	1I	90	PHE	C-N-CA	-6.39	113.69	120.66
1	1M	169	ASP	N-CA-C	-6.39	98.79	108.96
1	2E	90	PHE	CA-C-N	-6.39	113.69	120.66
1	2E	90	PHE	C-N-CA	-6.39	113.69	120.66
1	2I	169	ASP	N-CA-C	-6.39	98.79	108.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	8	VAL	CA-C-N	-6.39	110.46	121.97
2	2N	8	VAL	C-N-CA	-6.39	110.46	121.97
2	23	8	VAL	CA-C-N	-6.39	110.46	121.97
2	23	8	VAL	C-N-CA	-6.39	110.46	121.97
1	26	90	PHE	CA-C-N	-6.39	113.69	120.66
1	26	90	PHE	C-N-CA	-6.39	113.69	120.66
1	3A	169	ASP	N-CA-C	-6.39	98.79	108.96
1	3E	90	PHE	CA-C-N	-6.39	113.69	120.66
1	3E	90	PHE	C-N-CA	-6.39	113.69	120.66
1	3I	169	ASP	N-CA-C	-6.39	98.79	108.96
2	3N	8	VAL	CA-C-N	-6.39	110.46	121.97
2	3N	8	VAL	C-N-CA	-6.39	110.46	121.97
1	32	169	ASP	N-CA-C	-6.39	98.79	108.96
2	37	8	VAL	CA-C-N	-6.39	110.46	121.97
2	37	8	VAL	C-N-CA	-6.39	110.46	121.97
1	4A	90	PHE	CA-C-N	-6.39	113.69	120.66
1	4A	90	PHE	C-N-CA	-6.39	113.69	120.66
1	4E	169	ASP	N-CA-C	-6.39	98.79	108.96
2	4J	8	VAL	CA-C-N	-6.39	110.46	121.97
2	4J	8	VAL	C-N-CA	-6.39	110.46	121.97
1	4M	90	PHE	CA-C-N	-6.39	113.69	120.66
1	4M	90	PHE	C-N-CA	-6.39	113.69	120.66
2	4R	8	VAL	CA-C-N	-6.39	110.46	121.97
2	4R	8	VAL	C-N-CA	-6.39	110.46	121.97
1	4U	90	PHE	CA-C-N	-6.39	113.69	120.66
1	4U	90	PHE	C-N-CA	-6.39	113.69	120.66
1	4Y	169	ASP	N-CA-C	-6.39	98.79	108.96
1	5Q	90	PHE	CA-C-N	-6.39	113.69	120.66
1	5Q	90	PHE	C-N-CA	-6.39	113.69	120.66
1	5U	169	ASP	N-CA-C	-6.39	98.79	108.96
2	5Z	8	VAL	CA-C-N	-6.39	110.46	121.97
2	5Z	8	VAL	C-N-CA	-6.39	110.46	121.97
2	6F	8	VAL	CA-C-N	-6.39	110.46	121.97
2	6F	8	VAL	C-N-CA	-6.39	110.46	121.97
1	6I	90	PHE	CA-C-N	-6.39	113.69	120.66
1	6I	90	PHE	C-N-CA	-6.39	113.69	120.66
1	6M	169	ASP	N-CA-C	-6.39	98.79	108.96
1	6Q	90	PHE	CA-C-N	-6.39	113.69	120.66
1	6Q	90	PHE	C-N-CA	-6.39	113.69	120.66
1	6U	169	ASP	N-CA-C	-6.39	98.79	108.96
2	6Z	8	VAL	CA-C-N	-6.39	110.46	121.97
2	6Z	8	VAL	C-N-CA	-6.39	110.46	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	169	ASP	N-CA-C	-6.39	98.79	108.96
2	7J	8	VAL	CA-C-N	-6.39	110.46	121.97
2	7J	8	VAL	C-N-CA	-6.39	110.46	121.97
1	7M	90	PHE	CA-C-N	-6.39	113.69	120.66
1	7M	90	PHE	C-N-CA	-6.39	113.69	120.66
1	7Q	169	ASP	N-CA-C	-6.39	98.79	108.96
2	7V	8	VAL	CA-C-N	-6.39	110.46	121.97
2	7V	8	VAL	C-N-CA	-6.39	110.46	121.97
1	1E	140	PHE	CB-CA-C	-6.39	98.66	109.72
1	1M	106	TYR	CB-CA-C	-6.39	97.70	110.42
1	2I	106	TYR	CB-CA-C	-6.39	97.70	110.42
1	2M	140	PHE	CB-CA-C	-6.39	98.66	109.72
1	22	140	PHE	CB-CA-C	-6.39	98.66	109.72
1	3A	106	TYR	CB-CA-C	-6.39	97.70	110.42
1	3I	106	TYR	CB-CA-C	-6.39	97.70	110.42
1	3M	140	PHE	CB-CA-C	-6.39	98.66	109.72
1	32	106	TYR	CB-CA-C	-6.39	97.70	110.42
1	36	140	PHE	CB-CA-C	-6.39	98.66	109.72
1	4E	106	TYR	CB-CA-C	-6.39	97.70	110.42
1	4I	140	PHE	CB-CA-C	-6.39	98.66	109.72
1	4Q	140	PHE	CB-CA-C	-6.39	98.66	109.72
1	4Y	106	TYR	CB-CA-C	-6.39	97.70	110.42
1	5U	106	TYR	CB-CA-C	-6.39	97.70	110.42
1	5Y	140	PHE	CB-CA-C	-6.39	98.66	109.72
1	6E	140	PHE	CB-CA-C	-6.39	98.66	109.72
1	6M	106	TYR	CB-CA-C	-6.39	97.70	110.42
1	6U	106	TYR	CB-CA-C	-6.39	97.70	110.42
1	6Y	140	PHE	CB-CA-C	-6.39	98.66	109.72
1	7E	106	TYR	CB-CA-C	-6.39	97.70	110.42
1	7I	140	PHE	CB-CA-C	-6.39	98.66	109.72
1	7Q	106	TYR	CB-CA-C	-6.39	97.70	110.42
1	7U	140	PHE	CB-CA-C	-6.39	98.66	109.72
2	1B	8	VAL	CA-C-N	-6.39	110.47	121.97
2	1B	8	VAL	C-N-CA	-6.39	110.47	121.97
2	1J	8	VAL	CA-C-N	-6.39	110.47	121.97
2	1J	8	VAL	C-N-CA	-6.39	110.47	121.97
1	1Q	90	PHE	CA-C-N	-6.39	113.69	120.66
1	1Q	90	PHE	C-N-CA	-6.39	113.69	120.66
1	1U	90	PHE	CA-C-N	-6.39	113.69	120.66
1	1U	90	PHE	C-N-CA	-6.39	113.69	120.66
1	1Y	90	PHE	CA-C-N	-6.39	113.69	120.66
1	1Y	90	PHE	C-N-CA	-6.39	113.69	120.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2F	8	VAL	CA-C-N	-6.39	110.47	121.97
2	2F	8	VAL	C-N-CA	-6.39	110.47	121.97
1	2Q	90	PHE	CA-C-N	-6.39	113.69	120.66
1	2Q	90	PHE	C-N-CA	-6.39	113.69	120.66
1	2U	90	PHE	CA-C-N	-6.39	113.69	120.66
1	2U	90	PHE	C-N-CA	-6.39	113.69	120.66
1	2Y	90	PHE	CA-C-N	-6.39	113.69	120.66
1	2Y	90	PHE	C-N-CA	-6.39	113.69	120.66
2	27	8	VAL	CA-C-N	-6.39	110.47	121.97
2	27	8	VAL	C-N-CA	-6.39	110.47	121.97
2	3F	8	VAL	CA-C-N	-6.39	110.47	121.97
2	3F	8	VAL	C-N-CA	-6.39	110.47	121.97
2	4B	8	VAL	CA-C-N	-6.39	110.47	121.97
2	4B	8	VAL	C-N-CA	-6.39	110.47	121.97
2	4N	8	VAL	CA-C-N	-6.39	110.47	121.97
2	4N	8	VAL	C-N-CA	-6.39	110.47	121.97
2	4V	8	VAL	CA-C-N	-6.39	110.47	121.97
2	4V	8	VAL	C-N-CA	-6.39	110.47	121.97
1	42	90	PHE	CA-C-N	-6.39	113.69	120.66
1	42	90	PHE	C-N-CA	-6.39	113.69	120.66
1	46	90	PHE	CA-C-N	-6.39	113.69	120.66
1	46	90	PHE	C-N-CA	-6.39	113.69	120.66
1	5A	90	PHE	CA-C-N	-6.39	113.69	120.66
1	5A	90	PHE	C-N-CA	-6.39	113.69	120.66
2	5R	8	VAL	CA-C-N	-6.39	110.47	121.97
2	5R	8	VAL	C-N-CA	-6.39	110.47	121.97
1	52	90	PHE	CA-C-N	-6.39	113.69	120.66
1	52	90	PHE	C-N-CA	-6.39	113.69	120.66
1	56	90	PHE	CA-C-N	-6.39	113.69	120.66
1	56	90	PHE	C-N-CA	-6.39	113.69	120.66
1	6A	90	PHE	CA-C-N	-6.39	113.69	120.66
1	6A	90	PHE	C-N-CA	-6.39	113.69	120.66
2	6J	8	VAL	CA-C-N	-6.39	110.47	121.97
2	6J	8	VAL	C-N-CA	-6.39	110.47	121.97
2	6R	8	VAL	CA-C-N	-6.39	110.47	121.97
2	6R	8	VAL	C-N-CA	-6.39	110.47	121.97
2	7N	8	VAL	CA-C-N	-6.39	110.47	121.97
2	7N	8	VAL	C-N-CA	-6.39	110.47	121.97
1	1Q	106	TYR	CB-CA-C	-6.39	97.71	110.42
1	1U	106	TYR	CB-CA-C	-6.39	97.71	110.42
1	1Y	106	TYR	CB-CA-C	-6.39	97.71	110.42
1	2Q	106	TYR	CB-CA-C	-6.39	97.71	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	106	TYR	CB-CA-C	-6.39	97.71	110.42
1	2Y	106	TYR	CB-CA-C	-6.39	97.71	110.42
1	42	106	TYR	CB-CA-C	-6.39	97.71	110.42
1	46	106	TYR	CB-CA-C	-6.39	97.71	110.42
1	5A	106	TYR	CB-CA-C	-6.39	97.71	110.42
1	52	106	TYR	CB-CA-C	-6.39	97.71	110.42
1	56	106	TYR	CB-CA-C	-6.39	97.71	110.42
1	6A	106	TYR	CB-CA-C	-6.39	97.71	110.42
2	1R	8	VAL	CA-C-N	-6.38	110.48	121.97
2	1R	8	VAL	C-N-CA	-6.38	110.48	121.97
2	1V	8	VAL	CA-C-N	-6.38	110.48	121.97
2	1V	8	VAL	C-N-CA	-6.38	110.48	121.97
2	1Z	8	VAL	CA-C-N	-6.38	110.48	121.97
2	1Z	8	VAL	C-N-CA	-6.38	110.48	121.97
2	2R	8	VAL	CA-C-N	-6.38	110.48	121.97
2	2R	8	VAL	C-N-CA	-6.38	110.48	121.97
2	2V	8	VAL	CA-C-N	-6.38	110.48	121.97
2	2V	8	VAL	C-N-CA	-6.38	110.48	121.97
2	2Z	8	VAL	CA-C-N	-6.38	110.48	121.97
2	2Z	8	VAL	C-N-CA	-6.38	110.48	121.97
2	43	8	VAL	CA-C-N	-6.38	110.48	121.97
2	43	8	VAL	C-N-CA	-6.38	110.48	121.97
2	47	8	VAL	CA-C-N	-6.38	110.48	121.97
2	47	8	VAL	C-N-CA	-6.38	110.48	121.97
2	5B	8	VAL	CA-C-N	-6.38	110.48	121.97
2	5B	8	VAL	C-N-CA	-6.38	110.48	121.97
2	53	8	VAL	CA-C-N	-6.38	110.48	121.97
2	53	8	VAL	C-N-CA	-6.38	110.48	121.97
2	57	8	VAL	CA-C-N	-6.38	110.48	121.97
2	57	8	VAL	C-N-CA	-6.38	110.48	121.97
2	6B	8	VAL	CA-C-N	-6.38	110.48	121.97
2	6B	8	VAL	C-N-CA	-6.38	110.48	121.97
2	1B	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	1F	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	1J	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	2F	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	2N	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	23	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	27	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	3F	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	3N	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	37	60	ARG	CB-CA-C	-6.38	97.73	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	4J	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	4N	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	4R	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	4V	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	5R	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	5Z	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	6F	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	6J	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	6R	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	6Z	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	7J	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	7N	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	7V	60	ARG	CB-CA-C	-6.38	97.73	110.42
2	13	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	17	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	2B	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	3R	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	3V	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	3Z	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	5F	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	5J	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	5N	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	63	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	67	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	7B	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	1N	8	VAL	CA-C-N	-6.37	110.50	121.97
2	1N	8	VAL	C-N-CA	-6.37	110.50	121.97
2	2J	8	VAL	CA-C-N	-6.37	110.50	121.97
2	2J	8	VAL	C-N-CA	-6.37	110.50	121.97
2	3B	8	VAL	CA-C-N	-6.37	110.50	121.97
2	3B	8	VAL	C-N-CA	-6.37	110.50	121.97
2	3J	8	VAL	CA-C-N	-6.37	110.50	121.97
2	3J	8	VAL	C-N-CA	-6.37	110.50	121.97
2	33	8	VAL	CA-C-N	-6.37	110.50	121.97
2	33	8	VAL	C-N-CA	-6.37	110.50	121.97
2	4F	8	VAL	CA-C-N	-6.37	110.50	121.97
2	4F	8	VAL	C-N-CA	-6.37	110.50	121.97
2	4Z	8	VAL	CA-C-N	-6.37	110.50	121.97
2	4Z	8	VAL	C-N-CA	-6.37	110.50	121.97
2	5V	8	VAL	CA-C-N	-6.37	110.50	121.97
2	5V	8	VAL	C-N-CA	-6.37	110.50	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6N	8	VAL	CA-C-N	-6.37	110.50	121.97
2	6N	8	VAL	C-N-CA	-6.37	110.50	121.97
2	6V	8	VAL	CA-C-N	-6.37	110.50	121.97
2	6V	8	VAL	C-N-CA	-6.37	110.50	121.97
2	7F	8	VAL	CA-C-N	-6.37	110.50	121.97
2	7F	8	VAL	C-N-CA	-6.37	110.50	121.97
2	7R	8	VAL	CA-C-N	-6.37	110.50	121.97
2	7R	8	VAL	C-N-CA	-6.37	110.50	121.97
1	1E	90	PHE	CA-C-N	-6.37	113.72	120.66
1	1E	90	PHE	C-N-CA	-6.37	113.72	120.66
2	1R	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	1V	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	1Z	60	ARG	CB-CA-C	-6.37	97.74	110.42
1	2M	90	PHE	CA-C-N	-6.37	113.72	120.66
1	2M	90	PHE	C-N-CA	-6.37	113.72	120.66
2	2R	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	2V	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	2Z	60	ARG	CB-CA-C	-6.37	97.74	110.42
1	22	90	PHE	CA-C-N	-6.37	113.72	120.66
1	22	90	PHE	C-N-CA	-6.37	113.72	120.66
1	3M	90	PHE	CA-C-N	-6.37	113.72	120.66
1	3M	90	PHE	C-N-CA	-6.37	113.72	120.66
1	36	90	PHE	CA-C-N	-6.37	113.72	120.66
1	36	90	PHE	C-N-CA	-6.37	113.72	120.66
1	4I	90	PHE	CA-C-N	-6.37	113.72	120.66
1	4I	90	PHE	C-N-CA	-6.37	113.72	120.66
1	4Q	90	PHE	CA-C-N	-6.37	113.72	120.66
1	4Q	90	PHE	C-N-CA	-6.37	113.72	120.66
2	43	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	47	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	5B	60	ARG	CB-CA-C	-6.37	97.74	110.42
1	5Y	90	PHE	CA-C-N	-6.37	113.72	120.66
1	5Y	90	PHE	C-N-CA	-6.37	113.72	120.66
2	53	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	57	60	ARG	CB-CA-C	-6.37	97.74	110.42
2	6B	60	ARG	CB-CA-C	-6.37	97.74	110.42
1	6E	90	PHE	CA-C-N	-6.37	113.72	120.66
1	6E	90	PHE	C-N-CA	-6.37	113.72	120.66
1	6Y	90	PHE	CA-C-N	-6.37	113.72	120.66
1	6Y	90	PHE	C-N-CA	-6.37	113.72	120.66
1	7I	90	PHE	CA-C-N	-6.37	113.72	120.66
1	7I	90	PHE	C-N-CA	-6.37	113.72	120.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	90	PHE	CA-C-N	-6.37	113.72	120.66
1	7U	90	PHE	C-N-CA	-6.37	113.72	120.66
2	1N	60	ARG	CB-CA-C	-6.37	97.75	110.42
3	1O	29	VAL	CA-CB-CG1	6.37	121.22	110.40
2	2J	60	ARG	CB-CA-C	-6.37	97.75	110.42
3	2K	29	VAL	CA-CB-CG1	6.37	121.22	110.40
2	3B	60	ARG	CB-CA-C	-6.37	97.75	110.42
3	3C	29	VAL	CA-CB-CG1	6.37	121.22	110.40
2	3J	60	ARG	CB-CA-C	-6.37	97.75	110.42
3	3K	29	VAL	CA-CB-CG1	6.37	121.22	110.40
2	33	60	ARG	CB-CA-C	-6.37	97.75	110.42
3	34	29	VAL	CA-CB-CG1	6.37	121.22	110.40
2	4F	60	ARG	CB-CA-C	-6.37	97.75	110.42
3	4G	29	VAL	CA-CB-CG1	6.37	121.22	110.40
2	4Z	60	ARG	CB-CA-C	-6.37	97.75	110.42
3	40	29	VAL	CA-CB-CG1	6.37	121.22	110.40
2	5V	60	ARG	CB-CA-C	-6.37	97.75	110.42
3	5W	29	VAL	CA-CB-CG1	6.37	121.22	110.40
2	6N	60	ARG	CB-CA-C	-6.37	97.75	110.42
3	6O	29	VAL	CA-CB-CG1	6.37	121.22	110.40
2	6V	60	ARG	CB-CA-C	-6.37	97.75	110.42
3	6W	29	VAL	CA-CB-CG1	6.37	121.22	110.40
2	7F	60	ARG	CB-CA-C	-6.37	97.75	110.42
3	7G	29	VAL	CA-CB-CG1	6.37	121.22	110.40
2	7R	60	ARG	CB-CA-C	-6.37	97.75	110.42
3	7S	29	VAL	CA-CB-CG1	6.37	121.22	110.40
3	1S	29	VAL	CA-CB-CG1	6.36	121.22	110.40
3	1W	29	VAL	CA-CB-CG1	6.36	121.22	110.40
3	10	29	VAL	CA-CB-CG1	6.36	121.22	110.40
3	2S	29	VAL	CA-CB-CG1	6.36	121.22	110.40
3	2W	29	VAL	CA-CB-CG1	6.36	121.22	110.40
3	20	29	VAL	CA-CB-CG1	6.36	121.22	110.40
3	44	29	VAL	CA-CB-CG1	6.36	121.22	110.40
3	48	29	VAL	CA-CB-CG1	6.36	121.22	110.40
3	5C	29	VAL	CA-CB-CG1	6.36	121.22	110.40
3	54	29	VAL	CA-CB-CG1	6.36	121.22	110.40
3	58	29	VAL	CA-CB-CG1	6.36	121.22	110.40
3	6C	29	VAL	CA-CB-CG1	6.36	121.22	110.40
4	1D	15	GLY	N-CA-C	-6.36	106.65	114.92
4	1L	15	GLY	N-CA-C	-6.36	106.65	114.92
4	2H	15	GLY	N-CA-C	-6.36	106.65	114.92
4	29	15	GLY	N-CA-C	-6.36	106.65	114.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	3H	15	GLY	N-CA-C	-6.36	106.65	114.92
4	4D	15	GLY	N-CA-C	-6.36	106.65	114.92
4	4P	15	GLY	N-CA-C	-6.36	106.65	114.92
4	4X	15	GLY	N-CA-C	-6.36	106.65	114.92
4	5T	15	GLY	N-CA-C	-6.36	106.65	114.92
4	6L	15	GLY	N-CA-C	-6.36	106.65	114.92
4	6T	15	GLY	N-CA-C	-6.36	106.65	114.92
4	7P	15	GLY	N-CA-C	-6.36	106.65	114.92
2	1N	79	VAL	CG1-CB-CG2	6.36	124.80	110.80
2	2J	79	VAL	CG1-CB-CG2	6.36	124.80	110.80
2	3B	79	VAL	CG1-CB-CG2	6.36	124.80	110.80
2	3J	79	VAL	CG1-CB-CG2	6.36	124.80	110.80
2	33	79	VAL	CG1-CB-CG2	6.36	124.80	110.80
2	4F	79	VAL	CG1-CB-CG2	6.36	124.80	110.80
2	4Z	79	VAL	CG1-CB-CG2	6.36	124.80	110.80
2	5V	79	VAL	CG1-CB-CG2	6.36	124.80	110.80
2	6N	79	VAL	CG1-CB-CG2	6.36	124.80	110.80
2	6V	79	VAL	CG1-CB-CG2	6.36	124.80	110.80
2	7F	79	VAL	CG1-CB-CG2	6.36	124.80	110.80
2	7R	79	VAL	CG1-CB-CG2	6.36	124.80	110.80
2	13	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	17	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	2B	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	3R	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	3V	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	3Z	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	5F	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	5J	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	5N	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	63	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	67	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	7B	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
3	1C	29	VAL	CA-CB-CG1	6.36	121.21	110.40
2	1F	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
3	1K	29	VAL	CA-CB-CG1	6.36	121.21	110.40
3	2G	29	VAL	CA-CB-CG1	6.36	121.21	110.40
2	2N	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	23	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
3	28	29	VAL	CA-CB-CG1	6.36	121.21	110.40
3	3G	29	VAL	CA-CB-CG1	6.36	121.21	110.40
2	3N	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	37	79	VAL	CG1-CB-CG2	6.36	124.79	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4C	29	VAL	CA-CB-CG1	6.36	121.21	110.40
2	4J	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
3	4O	29	VAL	CA-CB-CG1	6.36	121.21	110.40
2	4R	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
3	4W	29	VAL	CA-CB-CG1	6.36	121.21	110.40
3	5S	29	VAL	CA-CB-CG1	6.36	121.21	110.40
2	5Z	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	6F	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
3	6K	29	VAL	CA-CB-CG1	6.36	121.21	110.40
3	6S	29	VAL	CA-CB-CG1	6.36	121.21	110.40
2	6Z	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
2	7J	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
3	7O	29	VAL	CA-CB-CG1	6.36	121.21	110.40
2	7V	79	VAL	CG1-CB-CG2	6.36	124.79	110.80
1	1Q	166	MET	CB-CA-C	-6.36	96.40	109.94
1	1U	166	MET	CB-CA-C	-6.36	96.40	109.94
1	1Y	166	MET	CB-CA-C	-6.36	96.40	109.94
3	14	29	VAL	CA-CB-CG1	6.36	121.20	110.40
3	18	29	VAL	CA-CB-CG1	6.36	121.20	110.40
3	2C	29	VAL	CA-CB-CG1	6.36	121.20	110.40
1	2Q	166	MET	CB-CA-C	-6.36	96.40	109.94
1	2U	166	MET	CB-CA-C	-6.36	96.40	109.94
1	2Y	166	MET	CB-CA-C	-6.36	96.40	109.94
3	3S	29	VAL	CA-CB-CG1	6.36	121.20	110.40
3	3W	29	VAL	CA-CB-CG1	6.36	121.20	110.40
3	30	29	VAL	CA-CB-CG1	6.36	121.20	110.40
1	42	166	MET	CB-CA-C	-6.36	96.40	109.94
1	46	166	MET	CB-CA-C	-6.36	96.40	109.94
1	5A	166	MET	CB-CA-C	-6.36	96.40	109.94
3	5G	29	VAL	CA-CB-CG1	6.36	121.20	110.40
3	5K	29	VAL	CA-CB-CG1	6.36	121.20	110.40
3	5O	29	VAL	CA-CB-CG1	6.36	121.20	110.40
1	52	166	MET	CB-CA-C	-6.36	96.40	109.94
1	56	166	MET	CB-CA-C	-6.36	96.40	109.94
1	6A	166	MET	CB-CA-C	-6.36	96.40	109.94
3	64	29	VAL	CA-CB-CG1	6.36	121.20	110.40
3	68	29	VAL	CA-CB-CG1	6.36	121.20	110.40
3	7C	29	VAL	CA-CB-CG1	6.36	121.20	110.40
1	1E	166	MET	CB-CA-C	-6.35	96.41	109.94
1	1Q	177	GLY	O-C-N	-6.35	114.44	122.70
2	1R	79	VAL	CG1-CB-CG2	6.35	124.78	110.80
1	1U	177	GLY	O-C-N	-6.35	114.44	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1V	79	VAL	CG1-CB-CG2	6.35	124.78	110.80
1	1Y	177	GLY	O-C-N	-6.35	114.44	122.70
2	1Z	79	VAL	CG1-CB-CG2	6.35	124.78	110.80
1	2M	166	MET	CB-CA-C	-6.35	96.41	109.94
1	2Q	177	GLY	O-C-N	-6.35	114.44	122.70
2	2R	79	VAL	CG1-CB-CG2	6.35	124.78	110.80
1	2U	177	GLY	O-C-N	-6.35	114.44	122.70
2	2V	79	VAL	CG1-CB-CG2	6.35	124.78	110.80
1	2Y	177	GLY	O-C-N	-6.35	114.44	122.70
2	2Z	79	VAL	CG1-CB-CG2	6.35	124.78	110.80
1	22	166	MET	CB-CA-C	-6.35	96.41	109.94
1	3M	166	MET	CB-CA-C	-6.35	96.41	109.94
1	36	166	MET	CB-CA-C	-6.35	96.41	109.94
1	4I	166	MET	CB-CA-C	-6.35	96.41	109.94
1	4Q	166	MET	CB-CA-C	-6.35	96.41	109.94
1	42	177	GLY	O-C-N	-6.35	114.44	122.70
2	43	79	VAL	CG1-CB-CG2	6.35	124.78	110.80
1	46	177	GLY	O-C-N	-6.35	114.44	122.70
2	47	79	VAL	CG1-CB-CG2	6.35	124.78	110.80
1	5A	177	GLY	O-C-N	-6.35	114.44	122.70
2	5B	79	VAL	CG1-CB-CG2	6.35	124.78	110.80
1	5Y	166	MET	CB-CA-C	-6.35	96.41	109.94
1	52	177	GLY	O-C-N	-6.35	114.44	122.70
2	53	79	VAL	CG1-CB-CG2	6.35	124.78	110.80
1	56	177	GLY	O-C-N	-6.35	114.44	122.70
2	57	79	VAL	CG1-CB-CG2	6.35	124.78	110.80
1	6A	177	GLY	O-C-N	-6.35	114.44	122.70
2	6B	79	VAL	CG1-CB-CG2	6.35	124.78	110.80
1	6E	166	MET	CB-CA-C	-6.35	96.41	109.94
1	6Y	166	MET	CB-CA-C	-6.35	96.41	109.94
1	7I	166	MET	CB-CA-C	-6.35	96.41	109.94
1	7U	166	MET	CB-CA-C	-6.35	96.41	109.94
2	1N	15	VAL	CA-CB-CG2	-6.35	99.61	110.40
2	2J	15	VAL	CA-CB-CG2	-6.35	99.61	110.40
2	3B	15	VAL	CA-CB-CG2	-6.35	99.61	110.40
2	3J	15	VAL	CA-CB-CG2	-6.35	99.61	110.40
2	33	15	VAL	CA-CB-CG2	-6.35	99.61	110.40
2	4F	15	VAL	CA-CB-CG2	-6.35	99.61	110.40
2	4Z	15	VAL	CA-CB-CG2	-6.35	99.61	110.40
2	5V	15	VAL	CA-CB-CG2	-6.35	99.61	110.40
2	6N	15	VAL	CA-CB-CG2	-6.35	99.61	110.40
2	6V	15	VAL	CA-CB-CG2	-6.35	99.61	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	15	VAL	CA-CB-CG2	-6.35	99.61	110.40
2	7R	15	VAL	CA-CB-CG2	-6.35	99.61	110.40
4	1T	15	GLY	N-CA-C	-6.35	106.67	114.92
4	1X	15	GLY	N-CA-C	-6.35	106.67	114.92
4	11	15	GLY	N-CA-C	-6.35	106.67	114.92
4	2T	15	GLY	N-CA-C	-6.35	106.67	114.92
4	2X	15	GLY	N-CA-C	-6.35	106.67	114.92
4	21	15	GLY	N-CA-C	-6.35	106.67	114.92
4	45	15	GLY	N-CA-C	-6.35	106.67	114.92
4	49	15	GLY	N-CA-C	-6.35	106.67	114.92
4	5D	15	GLY	N-CA-C	-6.35	106.67	114.92
4	55	15	GLY	N-CA-C	-6.35	106.67	114.92
4	59	15	GLY	N-CA-C	-6.35	106.67	114.92
4	6D	15	GLY	N-CA-C	-6.35	106.67	114.92
2	1B	79	VAL	CG1-CB-CG2	6.34	124.75	110.80
2	1J	79	VAL	CG1-CB-CG2	6.34	124.75	110.80
2	2F	79	VAL	CG1-CB-CG2	6.34	124.75	110.80
2	27	79	VAL	CG1-CB-CG2	6.34	124.75	110.80
2	3F	79	VAL	CG1-CB-CG2	6.34	124.75	110.80
2	4B	79	VAL	CG1-CB-CG2	6.34	124.75	110.80
2	4N	79	VAL	CG1-CB-CG2	6.34	124.75	110.80
2	4V	79	VAL	CG1-CB-CG2	6.34	124.75	110.80
2	5R	79	VAL	CG1-CB-CG2	6.34	124.75	110.80
2	6J	79	VAL	CG1-CB-CG2	6.34	124.75	110.80
2	6R	79	VAL	CG1-CB-CG2	6.34	124.75	110.80
2	7N	79	VAL	CG1-CB-CG2	6.34	124.75	110.80
3	1G	29	VAL	CA-CB-CG1	6.34	121.18	110.40
4	1H	15	GLY	N-CA-C	-6.34	106.68	114.92
1	1Q	25	ASP	O-C-N	6.34	131.02	122.59
1	1U	25	ASP	O-C-N	6.34	131.02	122.59
1	1Y	25	ASP	O-C-N	6.34	131.02	122.59
3	2O	29	VAL	CA-CB-CG1	6.34	121.18	110.40
4	2P	15	GLY	N-CA-C	-6.34	106.68	114.92
1	2Q	25	ASP	O-C-N	6.34	131.02	122.59
1	2U	25	ASP	O-C-N	6.34	131.02	122.59
1	2Y	25	ASP	O-C-N	6.34	131.02	122.59
3	24	29	VAL	CA-CB-CG1	6.34	121.18	110.40
4	25	15	GLY	N-CA-C	-6.34	106.68	114.92
3	3O	29	VAL	CA-CB-CG1	6.34	121.18	110.40
4	3P	15	GLY	N-CA-C	-6.34	106.68	114.92
3	38	29	VAL	CA-CB-CG1	6.34	121.18	110.40
4	39	15	GLY	N-CA-C	-6.34	106.68	114.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4K	29	VAL	CA-CB-CG1	6.34	121.18	110.40
4	4L	15	GLY	N-CA-C	-6.34	106.68	114.92
3	4S	29	VAL	CA-CB-CG1	6.34	121.18	110.40
4	4T	15	GLY	N-CA-C	-6.34	106.68	114.92
1	42	25	ASP	O-C-N	6.34	131.02	122.59
1	46	25	ASP	O-C-N	6.34	131.02	122.59
1	5A	25	ASP	O-C-N	6.34	131.02	122.59
3	50	29	VAL	CA-CB-CG1	6.34	121.18	110.40
4	51	15	GLY	N-CA-C	-6.34	106.68	114.92
1	52	25	ASP	O-C-N	6.34	131.02	122.59
1	56	25	ASP	O-C-N	6.34	131.02	122.59
1	6A	25	ASP	O-C-N	6.34	131.02	122.59
3	6G	29	VAL	CA-CB-CG1	6.34	121.18	110.40
4	6H	15	GLY	N-CA-C	-6.34	106.68	114.92
3	60	29	VAL	CA-CB-CG1	6.34	121.18	110.40
4	61	15	GLY	N-CA-C	-6.34	106.68	114.92
3	7K	29	VAL	CA-CB-CG1	6.34	121.18	110.40
4	7L	15	GLY	N-CA-C	-6.34	106.68	114.92
3	7W	29	VAL	CA-CB-CG1	6.34	121.18	110.40
4	7X	15	GLY	N-CA-C	-6.34	106.68	114.92
2	1N	41	PHE	CG-CD1-CE1	6.34	131.48	120.70
1	12	166	MET	CB-CA-C	-6.34	96.44	109.94
4	15	15	GLY	N-CA-C	-6.34	106.68	114.92
1	16	166	MET	CB-CA-C	-6.34	96.44	109.94
4	19	15	GLY	N-CA-C	-6.34	106.68	114.92
1	2A	166	MET	CB-CA-C	-6.34	96.44	109.94
4	2D	15	GLY	N-CA-C	-6.34	106.68	114.92
2	2J	41	PHE	CG-CD1-CE1	6.34	131.48	120.70
2	3B	41	PHE	CG-CD1-CE1	6.34	131.48	120.70
2	3J	41	PHE	CG-CD1-CE1	6.34	131.48	120.70
1	3Q	166	MET	CB-CA-C	-6.34	96.44	109.94
4	3T	15	GLY	N-CA-C	-6.34	106.68	114.92
1	3U	166	MET	CB-CA-C	-6.34	96.44	109.94
4	3X	15	GLY	N-CA-C	-6.34	106.68	114.92
1	3Y	166	MET	CB-CA-C	-6.34	96.44	109.94
4	31	15	GLY	N-CA-C	-6.34	106.68	114.92
2	33	41	PHE	CG-CD1-CE1	6.34	131.48	120.70
2	4F	41	PHE	CG-CD1-CE1	6.34	131.48	120.70
2	4Z	41	PHE	CG-CD1-CE1	6.34	131.48	120.70
1	5E	166	MET	CB-CA-C	-6.34	96.44	109.94
4	5H	15	GLY	N-CA-C	-6.34	106.68	114.92
1	5I	166	MET	CB-CA-C	-6.34	96.44	109.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	5L	15	GLY	N-CA-C	-6.34	106.68	114.92
1	5M	166	MET	CB-CA-C	-6.34	96.44	109.94
4	5P	15	GLY	N-CA-C	-6.34	106.68	114.92
2	5V	41	PHE	CG-CD1-CE1	6.34	131.48	120.70
2	6N	41	PHE	CG-CD1-CE1	6.34	131.48	120.70
2	6V	41	PHE	CG-CD1-CE1	6.34	131.48	120.70
1	62	166	MET	CB-CA-C	-6.34	96.44	109.94
4	65	15	GLY	N-CA-C	-6.34	106.68	114.92
1	66	166	MET	CB-CA-C	-6.34	96.44	109.94
4	69	15	GLY	N-CA-C	-6.34	106.68	114.92
1	7A	166	MET	CB-CA-C	-6.34	96.44	109.94
4	7D	15	GLY	N-CA-C	-6.34	106.68	114.92
2	7F	41	PHE	CG-CD1-CE1	6.34	131.48	120.70
2	7R	41	PHE	CG-CD1-CE1	6.34	131.48	120.70
1	1A	166	MET	CB-CA-C	-6.33	96.45	109.94
1	1I	166	MET	CB-CA-C	-6.33	96.45	109.94
1	2E	166	MET	CB-CA-C	-6.33	96.45	109.94
1	26	166	MET	CB-CA-C	-6.33	96.45	109.94
1	3E	166	MET	CB-CA-C	-6.33	96.45	109.94
1	4A	166	MET	CB-CA-C	-6.33	96.45	109.94
1	4M	166	MET	CB-CA-C	-6.33	96.45	109.94
1	4U	166	MET	CB-CA-C	-6.33	96.45	109.94
1	5Q	166	MET	CB-CA-C	-6.33	96.45	109.94
1	6I	166	MET	CB-CA-C	-6.33	96.45	109.94
1	6Q	166	MET	CB-CA-C	-6.33	96.45	109.94
1	7M	166	MET	CB-CA-C	-6.33	96.45	109.94
1	12	177	GLY	O-C-N	-6.33	114.47	122.70
2	13	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
1	16	177	GLY	O-C-N	-6.33	114.47	122.70
2	17	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
1	2A	177	GLY	O-C-N	-6.33	114.47	122.70
2	2B	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
1	3Q	177	GLY	O-C-N	-6.33	114.47	122.70
2	3R	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
1	3U	177	GLY	O-C-N	-6.33	114.47	122.70
2	3V	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
1	3Y	177	GLY	O-C-N	-6.33	114.47	122.70
2	3Z	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
1	5E	177	GLY	O-C-N	-6.33	114.47	122.70
2	5F	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
1	5I	177	GLY	O-C-N	-6.33	114.47	122.70
2	5J	15	VAL	CA-CB-CG2	-6.33	99.64	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	177	GLY	O-C-N	-6.33	114.47	122.70
2	5N	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
1	62	177	GLY	O-C-N	-6.33	114.47	122.70
2	63	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
1	66	177	GLY	O-C-N	-6.33	114.47	122.70
2	67	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
1	7A	177	GLY	O-C-N	-6.33	114.47	122.70
2	7B	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
2	1F	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
1	1M	166	MET	CB-CA-C	-6.33	96.46	109.94
1	2I	166	MET	CB-CA-C	-6.33	96.46	109.94
2	2N	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	23	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
1	3A	166	MET	CB-CA-C	-6.33	96.46	109.94
1	3I	166	MET	CB-CA-C	-6.33	96.46	109.94
2	3N	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
1	32	166	MET	CB-CA-C	-6.33	96.46	109.94
2	37	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
1	4E	166	MET	CB-CA-C	-6.33	96.46	109.94
2	4J	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	4R	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
1	4Y	166	MET	CB-CA-C	-6.33	96.46	109.94
1	5U	166	MET	CB-CA-C	-6.33	96.46	109.94
2	5Z	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	6F	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
1	6M	166	MET	CB-CA-C	-6.33	96.46	109.94
1	6U	166	MET	CB-CA-C	-6.33	96.46	109.94
2	6Z	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
1	7E	166	MET	CB-CA-C	-6.33	96.46	109.94
2	7J	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
1	7Q	166	MET	CB-CA-C	-6.33	96.46	109.94
2	7V	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	1R	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
2	1R	172	TYR	CA-C-N	-6.33	114.79	123.46
2	1R	172	TYR	C-N-CA	-6.33	114.79	123.46
2	1V	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
2	1V	172	TYR	CA-C-N	-6.33	114.79	123.46
2	1V	172	TYR	C-N-CA	-6.33	114.79	123.46
2	1Z	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
2	1Z	172	TYR	CA-C-N	-6.33	114.79	123.46
2	1Z	172	TYR	C-N-CA	-6.33	114.79	123.46
2	2R	15	VAL	CA-CB-CG2	-6.33	99.64	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2R	172	TYR	CA-C-N	-6.33	114.79	123.46
2	2R	172	TYR	C-N-CA	-6.33	114.79	123.46
2	2V	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
2	2V	172	TYR	CA-C-N	-6.33	114.79	123.46
2	2V	172	TYR	C-N-CA	-6.33	114.79	123.46
2	2Z	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
2	2Z	172	TYR	CA-C-N	-6.33	114.79	123.46
2	2Z	172	TYR	C-N-CA	-6.33	114.79	123.46
2	43	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
2	43	172	TYR	CA-C-N	-6.33	114.79	123.46
2	43	172	TYR	C-N-CA	-6.33	114.79	123.46
2	47	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
2	47	172	TYR	CA-C-N	-6.33	114.79	123.46
2	47	172	TYR	C-N-CA	-6.33	114.79	123.46
2	5B	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
2	5B	172	TYR	CA-C-N	-6.33	114.79	123.46
2	5B	172	TYR	C-N-CA	-6.33	114.79	123.46
2	53	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
2	53	172	TYR	CA-C-N	-6.33	114.79	123.46
2	53	172	TYR	C-N-CA	-6.33	114.79	123.46
2	57	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
2	57	172	TYR	CA-C-N	-6.33	114.79	123.46
2	57	172	TYR	C-N-CA	-6.33	114.79	123.46
2	6B	15	VAL	CA-CB-CG2	-6.33	99.64	110.40
2	6B	172	TYR	CA-C-N	-6.33	114.79	123.46
2	6B	172	TYR	C-N-CA	-6.33	114.79	123.46
2	1N	37	ASN	OD1-CG-ND2	-6.33	116.27	122.60
2	13	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	17	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	2B	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	2J	37	ASN	OD1-CG-ND2	-6.33	116.27	122.60
2	3B	37	ASN	OD1-CG-ND2	-6.33	116.27	122.60
2	3J	37	ASN	OD1-CG-ND2	-6.33	116.27	122.60
2	3R	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	3V	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	3Z	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	33	37	ASN	OD1-CG-ND2	-6.33	116.27	122.60
2	4F	37	ASN	OD1-CG-ND2	-6.33	116.27	122.60
2	4Z	37	ASN	OD1-CG-ND2	-6.33	116.27	122.60
2	5F	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	5J	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	5N	41	PHE	CG-CD1-CE1	6.33	131.46	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	37	ASN	OD1-CG-ND2	-6.33	116.27	122.60
2	6N	37	ASN	OD1-CG-ND2	-6.33	116.27	122.60
2	6V	37	ASN	OD1-CG-ND2	-6.33	116.27	122.60
2	63	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	67	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	7B	41	PHE	CG-CD1-CE1	6.33	131.46	120.70
2	7F	37	ASN	OD1-CG-ND2	-6.33	116.27	122.60
2	7R	37	ASN	OD1-CG-ND2	-6.33	116.27	122.60
2	1B	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	1B	41	PHE	CG-CD1-CE1	6.32	131.45	120.70
2	1F	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	1F	63	THR	CA-C-N	6.32	129.85	120.87
2	1F	63	THR	C-N-CA	6.32	129.85	120.87
2	1J	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	1J	41	PHE	CG-CD1-CE1	6.32	131.45	120.70
2	1N	172	TYR	CA-C-N	-6.32	114.80	123.46
2	1N	172	TYR	C-N-CA	-6.32	114.80	123.46
4	1P	15	GLY	N-CA-C	-6.32	106.70	114.92
2	2F	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	2F	41	PHE	CG-CD1-CE1	6.32	131.45	120.70
2	2J	172	TYR	CA-C-N	-6.32	114.80	123.46
2	2J	172	TYR	C-N-CA	-6.32	114.80	123.46
4	2L	15	GLY	N-CA-C	-6.32	106.70	114.92
2	2N	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	2N	63	THR	CA-C-N	6.32	129.85	120.87
2	2N	63	THR	C-N-CA	6.32	129.85	120.87
2	23	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	23	63	THR	CA-C-N	6.32	129.85	120.87
2	23	63	THR	C-N-CA	6.32	129.85	120.87
2	27	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	27	41	PHE	CG-CD1-CE1	6.32	131.45	120.70
2	3B	172	TYR	CA-C-N	-6.32	114.80	123.46
2	3B	172	TYR	C-N-CA	-6.32	114.80	123.46
4	3D	15	GLY	N-CA-C	-6.32	106.70	114.92
2	3F	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	3F	41	PHE	CG-CD1-CE1	6.32	131.45	120.70
2	3J	172	TYR	CA-C-N	-6.32	114.80	123.46
2	3J	172	TYR	C-N-CA	-6.32	114.80	123.46
4	3L	15	GLY	N-CA-C	-6.32	106.70	114.92
2	3N	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	3N	63	THR	CA-C-N	6.32	129.85	120.87
2	3N	63	THR	C-N-CA	6.32	129.85	120.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	172	TYR	CA-C-N	-6.32	114.80	123.46
2	33	172	TYR	C-N-CA	-6.32	114.80	123.46
4	35	15	GLY	N-CA-C	-6.32	106.70	114.92
2	37	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	37	63	THR	CA-C-N	6.32	129.85	120.87
2	37	63	THR	C-N-CA	6.32	129.85	120.87
2	4B	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	4B	41	PHE	CG-CD1-CE1	6.32	131.45	120.70
2	4F	172	TYR	CA-C-N	-6.32	114.80	123.46
2	4F	172	TYR	C-N-CA	-6.32	114.80	123.46
4	4H	15	GLY	N-CA-C	-6.32	106.70	114.92
2	4J	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	4J	63	THR	CA-C-N	6.32	129.85	120.87
2	4J	63	THR	C-N-CA	6.32	129.85	120.87
2	4N	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	4N	41	PHE	CG-CD1-CE1	6.32	131.45	120.70
2	4R	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	4R	63	THR	CA-C-N	6.32	129.85	120.87
2	4R	63	THR	C-N-CA	6.32	129.85	120.87
2	4V	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	4V	41	PHE	CG-CD1-CE1	6.32	131.45	120.70
2	4Z	172	TYR	CA-C-N	-6.32	114.80	123.46
2	4Z	172	TYR	C-N-CA	-6.32	114.80	123.46
4	41	15	GLY	N-CA-C	-6.32	106.70	114.92
2	5R	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	5R	41	PHE	CG-CD1-CE1	6.32	131.45	120.70
2	5V	172	TYR	CA-C-N	-6.32	114.80	123.46
2	5V	172	TYR	C-N-CA	-6.32	114.80	123.46
4	5X	15	GLY	N-CA-C	-6.32	106.70	114.92
2	5Z	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	5Z	63	THR	CA-C-N	6.32	129.85	120.87
2	5Z	63	THR	C-N-CA	6.32	129.85	120.87
2	6F	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	6F	63	THR	CA-C-N	6.32	129.85	120.87
2	6F	63	THR	C-N-CA	6.32	129.85	120.87
2	6J	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	6J	41	PHE	CG-CD1-CE1	6.32	131.45	120.70
2	6N	172	TYR	CA-C-N	-6.32	114.80	123.46
2	6N	172	TYR	C-N-CA	-6.32	114.80	123.46
4	6P	15	GLY	N-CA-C	-6.32	106.70	114.92
2	6R	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	6R	41	PHE	CG-CD1-CE1	6.32	131.45	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6V	172	TYR	CA-C-N	-6.32	114.80	123.46
2	6V	172	TYR	C-N-CA	-6.32	114.80	123.46
4	6X	15	GLY	N-CA-C	-6.32	106.70	114.92
2	6Z	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	6Z	63	THR	CA-C-N	6.32	129.85	120.87
2	6Z	63	THR	C-N-CA	6.32	129.85	120.87
2	7F	172	TYR	CA-C-N	-6.32	114.80	123.46
2	7F	172	TYR	C-N-CA	-6.32	114.80	123.46
4	7H	15	GLY	N-CA-C	-6.32	106.70	114.92
2	7J	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	7J	63	THR	CA-C-N	6.32	129.85	120.87
2	7J	63	THR	C-N-CA	6.32	129.85	120.87
2	7N	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	7N	41	PHE	CG-CD1-CE1	6.32	131.45	120.70
2	7R	172	TYR	CA-C-N	-6.32	114.80	123.46
2	7R	172	TYR	C-N-CA	-6.32	114.80	123.46
4	7T	15	GLY	N-CA-C	-6.32	106.70	114.92
2	7V	15	VAL	CA-CB-CG2	-6.32	99.65	110.40
2	7V	63	THR	CA-C-N	6.32	129.85	120.87
2	7V	63	THR	C-N-CA	6.32	129.85	120.87
2	1B	63	THR	CA-C-N	6.32	129.85	120.87
2	1B	63	THR	C-N-CA	6.32	129.85	120.87
2	1J	63	THR	CA-C-N	6.32	129.85	120.87
2	1J	63	THR	C-N-CA	6.32	129.85	120.87
2	2F	63	THR	CA-C-N	6.32	129.85	120.87
2	2F	63	THR	C-N-CA	6.32	129.85	120.87
2	27	63	THR	CA-C-N	6.32	129.85	120.87
2	27	63	THR	C-N-CA	6.32	129.85	120.87
2	3F	63	THR	CA-C-N	6.32	129.85	120.87
2	3F	63	THR	C-N-CA	6.32	129.85	120.87
2	4B	63	THR	CA-C-N	6.32	129.85	120.87
2	4B	63	THR	C-N-CA	6.32	129.85	120.87
2	4N	63	THR	CA-C-N	6.32	129.85	120.87
2	4N	63	THR	C-N-CA	6.32	129.85	120.87
2	4V	63	THR	CA-C-N	6.32	129.85	120.87
2	4V	63	THR	C-N-CA	6.32	129.85	120.87
2	5R	63	THR	CA-C-N	6.32	129.85	120.87
2	5R	63	THR	C-N-CA	6.32	129.85	120.87
2	6J	63	THR	CA-C-N	6.32	129.85	120.87
2	6J	63	THR	C-N-CA	6.32	129.85	120.87
2	6R	63	THR	CA-C-N	6.32	129.85	120.87
2	6R	63	THR	C-N-CA	6.32	129.85	120.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	63	THR	CA-C-N	6.32	129.85	120.87
2	7N	63	THR	C-N-CA	6.32	129.85	120.87
1	1A	25	ASP	O-C-N	6.32	131.00	122.59
1	1I	25	ASP	O-C-N	6.32	131.00	122.59
1	2E	25	ASP	O-C-N	6.32	131.00	122.59
1	26	25	ASP	O-C-N	6.32	131.00	122.59
1	3E	25	ASP	O-C-N	6.32	131.00	122.59
1	4A	25	ASP	O-C-N	6.32	131.00	122.59
1	4M	25	ASP	O-C-N	6.32	131.00	122.59
1	4U	25	ASP	O-C-N	6.32	131.00	122.59
1	5Q	25	ASP	O-C-N	6.32	131.00	122.59
1	6I	25	ASP	O-C-N	6.32	131.00	122.59
1	6Q	25	ASP	O-C-N	6.32	131.00	122.59
1	7M	25	ASP	O-C-N	6.32	131.00	122.59
2	1R	63	THR	CA-C-N	6.32	129.84	120.87
2	1R	63	THR	C-N-CA	6.32	129.84	120.87
2	1V	63	THR	CA-C-N	6.32	129.84	120.87
2	1V	63	THR	C-N-CA	6.32	129.84	120.87
2	1Z	63	THR	CA-C-N	6.32	129.84	120.87
2	1Z	63	THR	C-N-CA	6.32	129.84	120.87
2	2R	63	THR	CA-C-N	6.32	129.84	120.87
2	2R	63	THR	C-N-CA	6.32	129.84	120.87
2	2V	63	THR	CA-C-N	6.32	129.84	120.87
2	2V	63	THR	C-N-CA	6.32	129.84	120.87
2	2Z	63	THR	CA-C-N	6.32	129.84	120.87
2	2Z	63	THR	C-N-CA	6.32	129.84	120.87
2	43	63	THR	CA-C-N	6.32	129.84	120.87
2	43	63	THR	C-N-CA	6.32	129.84	120.87
2	47	63	THR	CA-C-N	6.32	129.84	120.87
2	47	63	THR	C-N-CA	6.32	129.84	120.87
2	5B	63	THR	CA-C-N	6.32	129.84	120.87
2	5B	63	THR	C-N-CA	6.32	129.84	120.87
2	53	63	THR	CA-C-N	6.32	129.84	120.87
2	53	63	THR	C-N-CA	6.32	129.84	120.87
2	57	63	THR	CA-C-N	6.32	129.84	120.87
2	57	63	THR	C-N-CA	6.32	129.84	120.87
2	6B	63	THR	CA-C-N	6.32	129.84	120.87
2	6B	63	THR	C-N-CA	6.32	129.84	120.87
2	1B	172	TYR	CA-C-N	-6.32	114.81	123.46
2	1B	172	TYR	C-N-CA	-6.32	114.81	123.46
2	1J	172	TYR	CA-C-N	-6.32	114.81	123.46
2	1J	172	TYR	C-N-CA	-6.32	114.81	123.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1N	63	THR	CA-C-N	6.32	129.84	120.87
2	1N	63	THR	C-N-CA	6.32	129.84	120.87
2	2F	172	TYR	CA-C-N	-6.32	114.81	123.46
2	2F	172	TYR	C-N-CA	-6.32	114.81	123.46
2	2J	63	THR	CA-C-N	6.32	129.84	120.87
2	2J	63	THR	C-N-CA	6.32	129.84	120.87
2	27	172	TYR	CA-C-N	-6.32	114.81	123.46
2	27	172	TYR	C-N-CA	-6.32	114.81	123.46
2	3B	63	THR	CA-C-N	6.32	129.84	120.87
2	3B	63	THR	C-N-CA	6.32	129.84	120.87
2	3F	172	TYR	CA-C-N	-6.32	114.81	123.46
2	3F	172	TYR	C-N-CA	-6.32	114.81	123.46
2	3J	63	THR	CA-C-N	6.32	129.84	120.87
2	3J	63	THR	C-N-CA	6.32	129.84	120.87
2	33	63	THR	CA-C-N	6.32	129.84	120.87
2	33	63	THR	C-N-CA	6.32	129.84	120.87
2	4B	172	TYR	CA-C-N	-6.32	114.81	123.46
2	4B	172	TYR	C-N-CA	-6.32	114.81	123.46
2	4F	63	THR	CA-C-N	6.32	129.84	120.87
2	4F	63	THR	C-N-CA	6.32	129.84	120.87
2	4N	172	TYR	CA-C-N	-6.32	114.81	123.46
2	4N	172	TYR	C-N-CA	-6.32	114.81	123.46
2	4V	172	TYR	CA-C-N	-6.32	114.81	123.46
2	4V	172	TYR	C-N-CA	-6.32	114.81	123.46
2	4Z	63	THR	CA-C-N	6.32	129.84	120.87
2	4Z	63	THR	C-N-CA	6.32	129.84	120.87
2	5R	172	TYR	CA-C-N	-6.32	114.81	123.46
2	5R	172	TYR	C-N-CA	-6.32	114.81	123.46
2	5V	63	THR	CA-C-N	6.32	129.84	120.87
2	5V	63	THR	C-N-CA	6.32	129.84	120.87
2	6J	172	TYR	CA-C-N	-6.32	114.81	123.46
2	6J	172	TYR	C-N-CA	-6.32	114.81	123.46
2	6N	63	THR	CA-C-N	6.32	129.84	120.87
2	6N	63	THR	C-N-CA	6.32	129.84	120.87
2	6R	172	TYR	CA-C-N	-6.32	114.81	123.46
2	6R	172	TYR	C-N-CA	-6.32	114.81	123.46
2	6V	63	THR	CA-C-N	6.32	129.84	120.87
2	6V	63	THR	C-N-CA	6.32	129.84	120.87
2	7F	63	THR	CA-C-N	6.32	129.84	120.87
2	7F	63	THR	C-N-CA	6.32	129.84	120.87
2	7N	172	TYR	CA-C-N	-6.32	114.81	123.46
2	7N	172	TYR	C-N-CA	-6.32	114.81	123.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	63	THR	CA-C-N	6.32	129.84	120.87
2	7R	63	THR	C-N-CA	6.32	129.84	120.87
1	1A	177	GLY	O-C-N	-6.31	114.49	122.70
1	1I	177	GLY	O-C-N	-6.31	114.49	122.70
1	1M	25	ASP	O-C-N	6.31	130.99	122.59
1	2E	177	GLY	O-C-N	-6.31	114.49	122.70
1	2I	25	ASP	O-C-N	6.31	130.99	122.59
1	26	177	GLY	O-C-N	-6.31	114.49	122.70
1	3A	25	ASP	O-C-N	6.31	130.99	122.59
1	3E	177	GLY	O-C-N	-6.31	114.49	122.70
1	3I	25	ASP	O-C-N	6.31	130.99	122.59
1	32	25	ASP	O-C-N	6.31	130.99	122.59
1	4A	177	GLY	O-C-N	-6.31	114.49	122.70
1	4E	25	ASP	O-C-N	6.31	130.99	122.59
1	4M	177	GLY	O-C-N	-6.31	114.49	122.70
1	4U	177	GLY	O-C-N	-6.31	114.49	122.70
1	4Y	25	ASP	O-C-N	6.31	130.99	122.59
1	5Q	177	GLY	O-C-N	-6.31	114.49	122.70
1	5U	25	ASP	O-C-N	6.31	130.99	122.59
1	6I	177	GLY	O-C-N	-6.31	114.49	122.70
1	6M	25	ASP	O-C-N	6.31	130.99	122.59
1	6Q	177	GLY	O-C-N	-6.31	114.49	122.70
1	6U	25	ASP	O-C-N	6.31	130.99	122.59
1	7E	25	ASP	O-C-N	6.31	130.99	122.59
1	7M	177	GLY	O-C-N	-6.31	114.49	122.70
1	7Q	25	ASP	O-C-N	6.31	130.99	122.59
2	1R	41	PHE	CG-CD1-CE1	6.31	131.43	120.70
2	1V	41	PHE	CG-CD1-CE1	6.31	131.43	120.70
2	1Z	41	PHE	CG-CD1-CE1	6.31	131.43	120.70
2	2R	41	PHE	CG-CD1-CE1	6.31	131.43	120.70
2	2V	41	PHE	CG-CD1-CE1	6.31	131.43	120.70
2	2Z	41	PHE	CG-CD1-CE1	6.31	131.43	120.70
2	43	41	PHE	CG-CD1-CE1	6.31	131.43	120.70
2	47	41	PHE	CG-CD1-CE1	6.31	131.43	120.70
2	5B	41	PHE	CG-CD1-CE1	6.31	131.43	120.70
2	53	41	PHE	CG-CD1-CE1	6.31	131.43	120.70
2	57	41	PHE	CG-CD1-CE1	6.31	131.43	120.70
2	6B	41	PHE	CG-CD1-CE1	6.31	131.43	120.70
2	13	172	TYR	CA-C-N	-6.31	114.81	123.46
2	13	172	TYR	C-N-CA	-6.31	114.81	123.46
2	17	172	TYR	CA-C-N	-6.31	114.81	123.46
2	17	172	TYR	C-N-CA	-6.31	114.81	123.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	172	TYR	CA-C-N	-6.31	114.81	123.46
2	2B	172	TYR	C-N-CA	-6.31	114.81	123.46
2	3R	172	TYR	CA-C-N	-6.31	114.81	123.46
2	3R	172	TYR	C-N-CA	-6.31	114.81	123.46
2	3V	172	TYR	CA-C-N	-6.31	114.81	123.46
2	3V	172	TYR	C-N-CA	-6.31	114.81	123.46
2	3Z	172	TYR	CA-C-N	-6.31	114.81	123.46
2	3Z	172	TYR	C-N-CA	-6.31	114.81	123.46
2	5F	172	TYR	CA-C-N	-6.31	114.81	123.46
2	5F	172	TYR	C-N-CA	-6.31	114.81	123.46
2	5J	172	TYR	CA-C-N	-6.31	114.81	123.46
2	5J	172	TYR	C-N-CA	-6.31	114.81	123.46
2	5N	172	TYR	CA-C-N	-6.31	114.81	123.46
2	5N	172	TYR	C-N-CA	-6.31	114.81	123.46
2	63	172	TYR	CA-C-N	-6.31	114.81	123.46
2	63	172	TYR	C-N-CA	-6.31	114.81	123.46
2	67	172	TYR	CA-C-N	-6.31	114.81	123.46
2	67	172	TYR	C-N-CA	-6.31	114.81	123.46
2	7B	172	TYR	CA-C-N	-6.31	114.81	123.46
2	7B	172	TYR	C-N-CA	-6.31	114.81	123.46
1	1E	166	MET	CA-C-O	-6.31	113.93	120.99
1	2M	166	MET	CA-C-O	-6.31	113.93	120.99
1	22	166	MET	CA-C-O	-6.31	113.93	120.99
1	3M	166	MET	CA-C-O	-6.31	113.93	120.99
1	36	166	MET	CA-C-O	-6.31	113.93	120.99
1	4I	166	MET	CA-C-O	-6.31	113.93	120.99
1	4Q	166	MET	CA-C-O	-6.31	113.93	120.99
1	5Y	166	MET	CA-C-O	-6.31	113.93	120.99
1	6E	166	MET	CA-C-O	-6.31	113.93	120.99
1	6Y	166	MET	CA-C-O	-6.31	113.93	120.99
1	7I	166	MET	CA-C-O	-6.31	113.93	120.99
1	7U	166	MET	CA-C-O	-6.31	113.93	120.99
1	1E	25	ASP	O-C-N	6.30	130.96	122.59
2	1F	172	TYR	CA-C-N	-6.30	114.83	123.46
2	1F	172	TYR	C-N-CA	-6.30	114.83	123.46
2	1R	217	PRO	N-CA-CB	6.30	109.56	103.51
2	1V	217	PRO	N-CA-CB	6.30	109.56	103.51
2	1Z	217	PRO	N-CA-CB	6.30	109.56	103.51
1	12	25	ASP	O-C-N	6.30	130.97	122.59
1	16	25	ASP	O-C-N	6.30	130.97	122.59
1	2A	25	ASP	O-C-N	6.30	130.97	122.59
1	2M	25	ASP	O-C-N	6.30	130.96	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	172	TYR	CA-C-N	-6.30	114.83	123.46
2	2N	172	TYR	C-N-CA	-6.30	114.83	123.46
2	2R	217	PRO	N-CA-CB	6.30	109.56	103.51
2	2V	217	PRO	N-CA-CB	6.30	109.56	103.51
2	2Z	217	PRO	N-CA-CB	6.30	109.56	103.51
1	22	25	ASP	O-C-N	6.30	130.96	122.59
2	23	172	TYR	CA-C-N	-6.30	114.83	123.46
2	23	172	TYR	C-N-CA	-6.30	114.83	123.46
1	3M	25	ASP	O-C-N	6.30	130.96	122.59
2	3N	172	TYR	CA-C-N	-6.30	114.83	123.46
2	3N	172	TYR	C-N-CA	-6.30	114.83	123.46
1	3Q	25	ASP	O-C-N	6.30	130.97	122.59
1	3U	25	ASP	O-C-N	6.30	130.97	122.59
1	3Y	25	ASP	O-C-N	6.30	130.97	122.59
1	36	25	ASP	O-C-N	6.30	130.96	122.59
2	37	172	TYR	CA-C-N	-6.30	114.83	123.46
2	37	172	TYR	C-N-CA	-6.30	114.83	123.46
1	4I	25	ASP	O-C-N	6.30	130.96	122.59
2	4J	172	TYR	CA-C-N	-6.30	114.83	123.46
2	4J	172	TYR	C-N-CA	-6.30	114.83	123.46
1	4Q	25	ASP	O-C-N	6.30	130.96	122.59
2	4R	172	TYR	CA-C-N	-6.30	114.83	123.46
2	4R	172	TYR	C-N-CA	-6.30	114.83	123.46
2	43	217	PRO	N-CA-CB	6.30	109.56	103.51
2	47	217	PRO	N-CA-CB	6.30	109.56	103.51
2	5B	217	PRO	N-CA-CB	6.30	109.56	103.51
1	5E	25	ASP	O-C-N	6.30	130.97	122.59
1	5I	25	ASP	O-C-N	6.30	130.97	122.59
1	5M	25	ASP	O-C-N	6.30	130.97	122.59
1	5Y	25	ASP	O-C-N	6.30	130.96	122.59
2	5Z	172	TYR	CA-C-N	-6.30	114.83	123.46
2	5Z	172	TYR	C-N-CA	-6.30	114.83	123.46
2	53	217	PRO	N-CA-CB	6.30	109.56	103.51
2	57	217	PRO	N-CA-CB	6.30	109.56	103.51
2	6B	217	PRO	N-CA-CB	6.30	109.56	103.51
1	6E	25	ASP	O-C-N	6.30	130.96	122.59
2	6F	172	TYR	CA-C-N	-6.30	114.83	123.46
2	6F	172	TYR	C-N-CA	-6.30	114.83	123.46
1	6Y	25	ASP	O-C-N	6.30	130.96	122.59
2	6Z	172	TYR	CA-C-N	-6.30	114.83	123.46
2	6Z	172	TYR	C-N-CA	-6.30	114.83	123.46
1	62	25	ASP	O-C-N	6.30	130.97	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	25	ASP	O-C-N	6.30	130.97	122.59
1	7A	25	ASP	O-C-N	6.30	130.97	122.59
1	7I	25	ASP	O-C-N	6.30	130.96	122.59
2	7J	172	TYR	CA-C-N	-6.30	114.83	123.46
2	7J	172	TYR	C-N-CA	-6.30	114.83	123.46
1	7U	25	ASP	O-C-N	6.30	130.96	122.59
2	7V	172	TYR	CA-C-N	-6.30	114.83	123.46
2	7V	172	TYR	C-N-CA	-6.30	114.83	123.46
2	1R	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	1V	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	1Z	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	2R	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	2V	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	2Z	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	43	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	47	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	5B	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	53	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	57	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	6B	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	1B	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	1J	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	13	63	THR	CA-C-N	6.29	129.81	120.87
2	13	63	THR	C-N-CA	6.29	129.81	120.87
2	17	63	THR	CA-C-N	6.29	129.81	120.87
2	17	63	THR	C-N-CA	6.29	129.81	120.87
2	2B	63	THR	CA-C-N	6.29	129.81	120.87
2	2B	63	THR	C-N-CA	6.29	129.81	120.87
2	2F	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	27	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	3F	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	3R	63	THR	CA-C-N	6.29	129.81	120.87
2	3R	63	THR	C-N-CA	6.29	129.81	120.87
2	3V	63	THR	CA-C-N	6.29	129.81	120.87
2	3V	63	THR	C-N-CA	6.29	129.81	120.87
2	3Z	63	THR	CA-C-N	6.29	129.81	120.87
2	3Z	63	THR	C-N-CA	6.29	129.81	120.87
2	4B	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	4N	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	4V	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	5F	63	THR	CA-C-N	6.29	129.81	120.87
2	5F	63	THR	C-N-CA	6.29	129.81	120.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5J	63	THR	CA-C-N	6.29	129.81	120.87
2	5J	63	THR	C-N-CA	6.29	129.81	120.87
2	5N	63	THR	CA-C-N	6.29	129.81	120.87
2	5N	63	THR	C-N-CA	6.29	129.81	120.87
2	5R	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	6J	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	6R	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	63	63	THR	CA-C-N	6.29	129.81	120.87
2	63	63	THR	C-N-CA	6.29	129.81	120.87
2	67	63	THR	CA-C-N	6.29	129.81	120.87
2	67	63	THR	C-N-CA	6.29	129.81	120.87
2	7B	63	THR	CA-C-N	6.29	129.81	120.87
2	7B	63	THR	C-N-CA	6.29	129.81	120.87
2	7N	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	1B	217	PRO	N-CA-CB	6.29	109.55	103.51
2	1F	229	ASN	N-CA-C	-6.29	93.39	111.00
2	1J	217	PRO	N-CA-CB	6.29	109.55	103.51
1	12	149	THR	CA-CB-OG1	-6.29	100.16	109.60
1	16	149	THR	CA-CB-OG1	-6.29	100.16	109.60
1	2A	149	THR	CA-CB-OG1	-6.29	100.16	109.60
2	2F	217	PRO	N-CA-CB	6.29	109.55	103.51
2	2N	229	ASN	N-CA-C	-6.29	93.39	111.00
2	23	229	ASN	N-CA-C	-6.29	93.39	111.00
2	27	217	PRO	N-CA-CB	6.29	109.55	103.51
2	3F	217	PRO	N-CA-CB	6.29	109.55	103.51
2	3N	229	ASN	N-CA-C	-6.29	93.39	111.00
1	3Q	149	THR	CA-CB-OG1	-6.29	100.16	109.60
1	3U	149	THR	CA-CB-OG1	-6.29	100.16	109.60
1	3Y	149	THR	CA-CB-OG1	-6.29	100.16	109.60
2	37	229	ASN	N-CA-C	-6.29	93.39	111.00
2	4B	217	PRO	N-CA-CB	6.29	109.55	103.51
2	4J	229	ASN	N-CA-C	-6.29	93.39	111.00
2	4N	217	PRO	N-CA-CB	6.29	109.55	103.51
2	4R	229	ASN	N-CA-C	-6.29	93.39	111.00
2	4V	217	PRO	N-CA-CB	6.29	109.55	103.51
1	5E	149	THR	CA-CB-OG1	-6.29	100.16	109.60
1	5I	149	THR	CA-CB-OG1	-6.29	100.16	109.60
1	5M	149	THR	CA-CB-OG1	-6.29	100.16	109.60
2	5R	217	PRO	N-CA-CB	6.29	109.55	103.51
2	5Z	229	ASN	N-CA-C	-6.29	93.39	111.00
2	6F	229	ASN	N-CA-C	-6.29	93.39	111.00
2	6J	217	PRO	N-CA-CB	6.29	109.55	103.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	217	PRO	N-CA-CB	6.29	109.55	103.51
2	6Z	229	ASN	N-CA-C	-6.29	93.39	111.00
1	62	149	THR	CA-CB-OG1	-6.29	100.16	109.60
1	66	149	THR	CA-CB-OG1	-6.29	100.16	109.60
1	7A	149	THR	CA-CB-OG1	-6.29	100.16	109.60
2	7J	229	ASN	N-CA-C	-6.29	93.39	111.00
2	7N	217	PRO	N-CA-CB	6.29	109.55	103.51
2	7V	229	ASN	N-CA-C	-6.29	93.39	111.00
1	1M	149	THR	CA-CB-OG1	-6.29	100.17	109.60
1	2I	149	THR	CA-CB-OG1	-6.29	100.17	109.60
1	3A	149	THR	CA-CB-OG1	-6.29	100.17	109.60
1	3I	149	THR	CA-CB-OG1	-6.29	100.17	109.60
1	32	149	THR	CA-CB-OG1	-6.29	100.17	109.60
1	4E	149	THR	CA-CB-OG1	-6.29	100.17	109.60
1	4Y	149	THR	CA-CB-OG1	-6.29	100.17	109.60
1	5U	149	THR	CA-CB-OG1	-6.29	100.17	109.60
1	6M	149	THR	CA-CB-OG1	-6.29	100.17	109.60
1	6U	149	THR	CA-CB-OG1	-6.29	100.17	109.60
1	7E	149	THR	CA-CB-OG1	-6.29	100.17	109.60
1	7Q	149	THR	CA-CB-OG1	-6.29	100.17	109.60
1	1E	177	GLY	O-C-N	-6.29	114.52	122.70
1	1M	24	VAL	CB-CA-C	6.29	121.60	111.29
1	12	166	MET	CA-C-O	-6.29	113.95	120.99
1	16	166	MET	CA-C-O	-6.29	113.95	120.99
1	2A	166	MET	CA-C-O	-6.29	113.95	120.99
1	2I	24	VAL	CB-CA-C	6.29	121.60	111.29
1	2M	177	GLY	O-C-N	-6.29	114.52	122.70
1	22	177	GLY	O-C-N	-6.29	114.52	122.70
1	3A	24	VAL	CB-CA-C	6.29	121.60	111.29
1	3I	24	VAL	CB-CA-C	6.29	121.60	111.29
1	3M	177	GLY	O-C-N	-6.29	114.52	122.70
1	3Q	166	MET	CA-C-O	-6.29	113.95	120.99
1	3U	166	MET	CA-C-O	-6.29	113.95	120.99
1	3Y	166	MET	CA-C-O	-6.29	113.95	120.99
1	32	24	VAL	CB-CA-C	6.29	121.60	111.29
1	36	177	GLY	O-C-N	-6.29	114.52	122.70
1	4E	24	VAL	CB-CA-C	6.29	121.60	111.29
1	4I	177	GLY	O-C-N	-6.29	114.52	122.70
1	4Q	177	GLY	O-C-N	-6.29	114.52	122.70
1	4Y	24	VAL	CB-CA-C	6.29	121.60	111.29
1	5E	166	MET	CA-C-O	-6.29	113.95	120.99
1	5I	166	MET	CA-C-O	-6.29	113.95	120.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	166	MET	CA-C-O	-6.29	113.95	120.99
1	5U	24	VAL	CB-CA-C	6.29	121.60	111.29
1	5Y	177	GLY	O-C-N	-6.29	114.52	122.70
1	6E	177	GLY	O-C-N	-6.29	114.52	122.70
1	6M	24	VAL	CB-CA-C	6.29	121.60	111.29
1	6U	24	VAL	CB-CA-C	6.29	121.60	111.29
1	6Y	177	GLY	O-C-N	-6.29	114.52	122.70
1	62	166	MET	CA-C-O	-6.29	113.95	120.99
1	66	166	MET	CA-C-O	-6.29	113.95	120.99
1	7A	166	MET	CA-C-O	-6.29	113.95	120.99
1	7E	24	VAL	CB-CA-C	6.29	121.60	111.29
1	7I	177	GLY	O-C-N	-6.29	114.52	122.70
1	7Q	24	VAL	CB-CA-C	6.29	121.60	111.29
1	7U	177	GLY	O-C-N	-6.29	114.52	122.70
1	1M	177	GLY	O-C-N	-6.29	114.53	122.70
2	1N	217	PRO	N-CA-CB	6.29	109.54	103.51
2	1R	229	ASN	N-CA-C	-6.29	93.40	111.00
2	1V	229	ASN	N-CA-C	-6.29	93.40	111.00
2	1Z	229	ASN	N-CA-C	-6.29	93.40	111.00
2	13	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	17	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	2B	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
1	2I	177	GLY	O-C-N	-6.29	114.53	122.70
2	2J	217	PRO	N-CA-CB	6.29	109.54	103.51
2	2R	229	ASN	N-CA-C	-6.29	93.40	111.00
2	2V	229	ASN	N-CA-C	-6.29	93.40	111.00
2	2Z	229	ASN	N-CA-C	-6.29	93.40	111.00
1	3A	177	GLY	O-C-N	-6.29	114.53	122.70
2	3B	217	PRO	N-CA-CB	6.29	109.54	103.51
1	3I	177	GLY	O-C-N	-6.29	114.53	122.70
2	3J	217	PRO	N-CA-CB	6.29	109.54	103.51
2	3R	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	3V	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	3Z	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
1	32	177	GLY	O-C-N	-6.29	114.53	122.70
2	33	217	PRO	N-CA-CB	6.29	109.54	103.51
1	4E	177	GLY	O-C-N	-6.29	114.53	122.70
2	4F	217	PRO	N-CA-CB	6.29	109.54	103.51
1	4Y	177	GLY	O-C-N	-6.29	114.53	122.70
2	4Z	217	PRO	N-CA-CB	6.29	109.54	103.51
2	43	229	ASN	N-CA-C	-6.29	93.40	111.00
2	47	229	ASN	N-CA-C	-6.29	93.40	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5B	229	ASN	N-CA-C	-6.29	93.40	111.00
2	5F	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	5J	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	5N	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
1	5U	177	GLY	O-C-N	-6.29	114.53	122.70
2	5V	217	PRO	N-CA-CB	6.29	109.54	103.51
2	53	229	ASN	N-CA-C	-6.29	93.40	111.00
2	57	229	ASN	N-CA-C	-6.29	93.40	111.00
2	6B	229	ASN	N-CA-C	-6.29	93.40	111.00
1	6M	177	GLY	O-C-N	-6.29	114.53	122.70
2	6N	217	PRO	N-CA-CB	6.29	109.54	103.51
1	6U	177	GLY	O-C-N	-6.29	114.53	122.70
2	6V	217	PRO	N-CA-CB	6.29	109.54	103.51
2	63	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	67	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
2	7B	37	ASN	OD1-CG-ND2	-6.29	116.31	122.60
1	7E	177	GLY	O-C-N	-6.29	114.53	122.70
2	7F	217	PRO	N-CA-CB	6.29	109.54	103.51
1	7Q	177	GLY	O-C-N	-6.29	114.53	122.70
2	7R	217	PRO	N-CA-CB	6.29	109.54	103.51
2	13	217	PRO	N-CA-CB	6.28	109.54	103.51
2	17	217	PRO	N-CA-CB	6.28	109.54	103.51
2	2B	217	PRO	N-CA-CB	6.28	109.54	103.51
2	3R	217	PRO	N-CA-CB	6.28	109.54	103.51
2	3V	217	PRO	N-CA-CB	6.28	109.54	103.51
2	3Z	217	PRO	N-CA-CB	6.28	109.54	103.51
2	5F	217	PRO	N-CA-CB	6.28	109.54	103.51
2	5J	217	PRO	N-CA-CB	6.28	109.54	103.51
2	5N	217	PRO	N-CA-CB	6.28	109.54	103.51
2	63	217	PRO	N-CA-CB	6.28	109.54	103.51
2	67	217	PRO	N-CA-CB	6.28	109.54	103.51
2	7B	217	PRO	N-CA-CB	6.28	109.54	103.51
2	1N	229	ASN	N-CA-C	-6.28	93.41	111.00
1	1Q	166	MET	CA-C-O	-6.28	113.95	120.99
1	1U	166	MET	CA-C-O	-6.28	113.95	120.99
1	1Y	166	MET	CA-C-O	-6.28	113.95	120.99
2	2J	229	ASN	N-CA-C	-6.28	93.41	111.00
1	2Q	166	MET	CA-C-O	-6.28	113.95	120.99
1	2U	166	MET	CA-C-O	-6.28	113.95	120.99
1	2Y	166	MET	CA-C-O	-6.28	113.95	120.99
2	3B	229	ASN	N-CA-C	-6.28	93.41	111.00
2	3J	229	ASN	N-CA-C	-6.28	93.41	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	229	ASN	N-CA-C	-6.28	93.41	111.00
2	4F	229	ASN	N-CA-C	-6.28	93.41	111.00
2	4Z	229	ASN	N-CA-C	-6.28	93.41	111.00
1	42	166	MET	CA-C-O	-6.28	113.95	120.99
1	46	166	MET	CA-C-O	-6.28	113.95	120.99
1	5A	166	MET	CA-C-O	-6.28	113.95	120.99
2	5V	229	ASN	N-CA-C	-6.28	93.41	111.00
1	52	166	MET	CA-C-O	-6.28	113.95	120.99
1	56	166	MET	CA-C-O	-6.28	113.95	120.99
1	6A	166	MET	CA-C-O	-6.28	113.95	120.99
2	6N	229	ASN	N-CA-C	-6.28	93.41	111.00
2	6V	229	ASN	N-CA-C	-6.28	93.41	111.00
2	7F	229	ASN	N-CA-C	-6.28	93.41	111.00
2	7R	229	ASN	N-CA-C	-6.28	93.41	111.00
1	1M	43	HIS	N-CA-C	6.27	124.16	110.80
1	2I	43	HIS	N-CA-C	6.27	124.16	110.80
1	3A	43	HIS	N-CA-C	6.27	124.16	110.80
1	3I	43	HIS	N-CA-C	6.27	124.16	110.80
1	32	43	HIS	N-CA-C	6.27	124.16	110.80
1	4E	43	HIS	N-CA-C	6.27	124.16	110.80
1	4Y	43	HIS	N-CA-C	6.27	124.16	110.80
1	5U	43	HIS	N-CA-C	6.27	124.16	110.80
1	6M	43	HIS	N-CA-C	6.27	124.16	110.80
1	6U	43	HIS	N-CA-C	6.27	124.16	110.80
1	7E	43	HIS	N-CA-C	6.27	124.16	110.80
1	7Q	43	HIS	N-CA-C	6.27	124.16	110.80
2	1B	229	ASN	N-CA-C	-6.27	93.44	111.00
2	1F	37	ASN	OD1-CG-ND2	-6.27	116.33	122.60
2	1J	229	ASN	N-CA-C	-6.27	93.44	111.00
2	2F	229	ASN	N-CA-C	-6.27	93.44	111.00
2	2N	37	ASN	OD1-CG-ND2	-6.27	116.33	122.60
2	23	37	ASN	OD1-CG-ND2	-6.27	116.33	122.60
2	27	229	ASN	N-CA-C	-6.27	93.44	111.00
2	3F	229	ASN	N-CA-C	-6.27	93.44	111.00
2	3N	37	ASN	OD1-CG-ND2	-6.27	116.33	122.60
2	37	37	ASN	OD1-CG-ND2	-6.27	116.33	122.60
2	4B	229	ASN	N-CA-C	-6.27	93.44	111.00
2	4J	37	ASN	OD1-CG-ND2	-6.27	116.33	122.60
2	4N	229	ASN	N-CA-C	-6.27	93.44	111.00
2	4R	37	ASN	OD1-CG-ND2	-6.27	116.33	122.60
2	4V	229	ASN	N-CA-C	-6.27	93.44	111.00
2	5R	229	ASN	N-CA-C	-6.27	93.44	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5Z	37	ASN	OD1-CG-ND2	-6.27	116.33	122.60
2	6F	37	ASN	OD1-CG-ND2	-6.27	116.33	122.60
2	6J	229	ASN	N-CA-C	-6.27	93.44	111.00
2	6R	229	ASN	N-CA-C	-6.27	93.44	111.00
2	6Z	37	ASN	OD1-CG-ND2	-6.27	116.33	122.60
2	7J	37	ASN	OD1-CG-ND2	-6.27	116.33	122.60
2	7N	229	ASN	N-CA-C	-6.27	93.44	111.00
2	7V	37	ASN	OD1-CG-ND2	-6.27	116.33	122.60
1	12	43	HIS	N-CA-C	6.27	124.16	110.80
1	16	43	HIS	N-CA-C	6.27	124.16	110.80
1	2A	43	HIS	N-CA-C	6.27	124.16	110.80
1	3Q	43	HIS	N-CA-C	6.27	124.16	110.80
1	3U	43	HIS	N-CA-C	6.27	124.16	110.80
1	3Y	43	HIS	N-CA-C	6.27	124.16	110.80
1	5E	43	HIS	N-CA-C	6.27	124.16	110.80
1	5I	43	HIS	N-CA-C	6.27	124.16	110.80
1	5M	43	HIS	N-CA-C	6.27	124.16	110.80
1	62	43	HIS	N-CA-C	6.27	124.16	110.80
1	66	43	HIS	N-CA-C	6.27	124.16	110.80
1	7A	43	HIS	N-CA-C	6.27	124.16	110.80
1	1A	149	THR	CA-CB-OG1	-6.27	100.19	109.60
1	1I	149	THR	CA-CB-OG1	-6.27	100.19	109.60
2	13	229	ASN	N-CA-C	-6.27	93.44	111.00
2	17	229	ASN	N-CA-C	-6.27	93.44	111.00
2	2B	229	ASN	N-CA-C	-6.27	93.44	111.00
1	2E	149	THR	CA-CB-OG1	-6.27	100.19	109.60
1	26	149	THR	CA-CB-OG1	-6.27	100.19	109.60
1	3E	149	THR	CA-CB-OG1	-6.27	100.19	109.60
2	3R	229	ASN	N-CA-C	-6.27	93.44	111.00
2	3V	229	ASN	N-CA-C	-6.27	93.44	111.00
2	3Z	229	ASN	N-CA-C	-6.27	93.44	111.00
1	4A	149	THR	CA-CB-OG1	-6.27	100.19	109.60
1	4M	149	THR	CA-CB-OG1	-6.27	100.19	109.60
1	4U	149	THR	CA-CB-OG1	-6.27	100.19	109.60
2	5F	229	ASN	N-CA-C	-6.27	93.44	111.00
2	5J	229	ASN	N-CA-C	-6.27	93.44	111.00
2	5N	229	ASN	N-CA-C	-6.27	93.44	111.00
1	5Q	149	THR	CA-CB-OG1	-6.27	100.19	109.60
1	6I	149	THR	CA-CB-OG1	-6.27	100.19	109.60
1	6Q	149	THR	CA-CB-OG1	-6.27	100.19	109.60
2	63	229	ASN	N-CA-C	-6.27	93.44	111.00
2	67	229	ASN	N-CA-C	-6.27	93.44	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7B	229	ASN	N-CA-C	-6.27	93.44	111.00
1	7M	149	THR	CA-CB-OG1	-6.27	100.19	109.60
2	1R	55	PRO	CA-CB-CG	6.27	116.41	104.50
2	1V	55	PRO	CA-CB-CG	6.27	116.41	104.50
2	1Z	55	PRO	CA-CB-CG	6.27	116.41	104.50
2	2R	55	PRO	CA-CB-CG	6.27	116.41	104.50
2	2V	55	PRO	CA-CB-CG	6.27	116.41	104.50
2	2Z	55	PRO	CA-CB-CG	6.27	116.41	104.50
2	43	55	PRO	CA-CB-CG	6.27	116.41	104.50
2	47	55	PRO	CA-CB-CG	6.27	116.41	104.50
2	5B	55	PRO	CA-CB-CG	6.27	116.41	104.50
2	53	55	PRO	CA-CB-CG	6.27	116.41	104.50
2	57	55	PRO	CA-CB-CG	6.27	116.41	104.50
2	6B	55	PRO	CA-CB-CG	6.27	116.41	104.50
1	1E	149	THR	CA-CB-OG1	-6.27	100.20	109.60
1	2M	149	THR	CA-CB-OG1	-6.27	100.20	109.60
1	22	149	THR	CA-CB-OG1	-6.27	100.20	109.60
1	3M	149	THR	CA-CB-OG1	-6.27	100.20	109.60
1	36	149	THR	CA-CB-OG1	-6.27	100.20	109.60
1	4I	149	THR	CA-CB-OG1	-6.27	100.20	109.60
1	4Q	149	THR	CA-CB-OG1	-6.27	100.20	109.60
1	5Y	149	THR	CA-CB-OG1	-6.27	100.20	109.60
1	6E	149	THR	CA-CB-OG1	-6.27	100.20	109.60
1	6Y	149	THR	CA-CB-OG1	-6.27	100.20	109.60
1	7I	149	THR	CA-CB-OG1	-6.27	100.20	109.60
1	7U	149	THR	CA-CB-OG1	-6.27	100.20	109.60
2	1F	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	1F	217	PRO	N-CA-CB	6.26	109.52	103.51
2	2N	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	2N	217	PRO	N-CA-CB	6.26	109.52	103.51
2	23	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	23	217	PRO	N-CA-CB	6.26	109.52	103.51
2	3N	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	3N	217	PRO	N-CA-CB	6.26	109.52	103.51
2	37	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	37	217	PRO	N-CA-CB	6.26	109.52	103.51
2	4J	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	4J	217	PRO	N-CA-CB	6.26	109.52	103.51
2	4R	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	4R	217	PRO	N-CA-CB	6.26	109.52	103.51
2	5Z	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	5Z	217	PRO	N-CA-CB	6.26	109.52	103.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	6F	217	PRO	N-CA-CB	6.26	109.52	103.51
2	6Z	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	6Z	217	PRO	N-CA-CB	6.26	109.52	103.51
2	7J	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	7J	217	PRO	N-CA-CB	6.26	109.52	103.51
2	7V	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	7V	217	PRO	N-CA-CB	6.26	109.52	103.51
2	13	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	17	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	2B	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	3R	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	3V	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	3Z	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	5F	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	5J	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	5N	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	63	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	67	55	PRO	CA-CB-CG	6.26	116.40	104.50
2	7B	55	PRO	CA-CB-CG	6.26	116.40	104.50
1	1A	166	MET	CA-C-O	-6.26	113.98	120.99
1	1I	166	MET	CA-C-O	-6.26	113.98	120.99
1	2E	166	MET	CA-C-O	-6.26	113.98	120.99
1	26	166	MET	CA-C-O	-6.26	113.98	120.99
1	3E	166	MET	CA-C-O	-6.26	113.98	120.99
1	4A	166	MET	CA-C-O	-6.26	113.98	120.99
1	4M	166	MET	CA-C-O	-6.26	113.98	120.99
1	4U	166	MET	CA-C-O	-6.26	113.98	120.99
1	5Q	166	MET	CA-C-O	-6.26	113.98	120.99
1	6I	166	MET	CA-C-O	-6.26	113.98	120.99
1	6Q	166	MET	CA-C-O	-6.26	113.98	120.99
1	7M	166	MET	CA-C-O	-6.26	113.98	120.99
2	1B	55	PRO	CA-CB-CG	6.26	116.39	104.50
1	1E	24	VAL	CB-CA-C	6.26	121.55	111.29
2	1J	55	PRO	CA-CB-CG	6.26	116.39	104.50
1	1Q	24	VAL	CB-CA-C	6.26	121.56	111.29
1	1U	24	VAL	CB-CA-C	6.26	121.56	111.29
1	1Y	24	VAL	CB-CA-C	6.26	121.56	111.29
1	12	24	VAL	CB-CA-C	6.26	121.56	111.29
1	16	24	VAL	CB-CA-C	6.26	121.56	111.29
1	2A	24	VAL	CB-CA-C	6.26	121.56	111.29
2	2F	55	PRO	CA-CB-CG	6.26	116.39	104.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2M	24	VAL	CB-CA-C	6.26	121.55	111.29
1	2Q	24	VAL	CB-CA-C	6.26	121.56	111.29
1	2U	24	VAL	CB-CA-C	6.26	121.56	111.29
1	2Y	24	VAL	CB-CA-C	6.26	121.56	111.29
1	22	24	VAL	CB-CA-C	6.26	121.55	111.29
2	27	55	PRO	CA-CB-CG	6.26	116.39	104.50
2	3F	55	PRO	CA-CB-CG	6.26	116.39	104.50
1	3M	24	VAL	CB-CA-C	6.26	121.55	111.29
1	3Q	24	VAL	CB-CA-C	6.26	121.56	111.29
1	3U	24	VAL	CB-CA-C	6.26	121.56	111.29
1	3Y	24	VAL	CB-CA-C	6.26	121.56	111.29
1	36	24	VAL	CB-CA-C	6.26	121.55	111.29
2	4B	55	PRO	CA-CB-CG	6.26	116.39	104.50
1	4I	24	VAL	CB-CA-C	6.26	121.55	111.29
2	4N	55	PRO	CA-CB-CG	6.26	116.39	104.50
1	4Q	24	VAL	CB-CA-C	6.26	121.55	111.29
2	4V	55	PRO	CA-CB-CG	6.26	116.39	104.50
1	42	24	VAL	CB-CA-C	6.26	121.56	111.29
1	46	24	VAL	CB-CA-C	6.26	121.56	111.29
1	5A	24	VAL	CB-CA-C	6.26	121.56	111.29
1	5E	24	VAL	CB-CA-C	6.26	121.56	111.29
1	5I	24	VAL	CB-CA-C	6.26	121.56	111.29
1	5M	24	VAL	CB-CA-C	6.26	121.56	111.29
2	5R	55	PRO	CA-CB-CG	6.26	116.39	104.50
1	5Y	24	VAL	CB-CA-C	6.26	121.55	111.29
1	52	24	VAL	CB-CA-C	6.26	121.56	111.29
1	56	24	VAL	CB-CA-C	6.26	121.56	111.29
1	6A	24	VAL	CB-CA-C	6.26	121.56	111.29
1	6E	24	VAL	CB-CA-C	6.26	121.55	111.29
2	6J	55	PRO	CA-CB-CG	6.26	116.39	104.50
2	6R	55	PRO	CA-CB-CG	6.26	116.39	104.50
1	6Y	24	VAL	CB-CA-C	6.26	121.55	111.29
1	62	24	VAL	CB-CA-C	6.26	121.56	111.29
1	66	24	VAL	CB-CA-C	6.26	121.56	111.29
1	7A	24	VAL	CB-CA-C	6.26	121.56	111.29
1	7I	24	VAL	CB-CA-C	6.26	121.55	111.29
2	7N	55	PRO	CA-CB-CG	6.26	116.39	104.50
1	7U	24	VAL	CB-CA-C	6.26	121.55	111.29
1	1E	82	ARG	CA-C-N	-6.26	107.96	122.29
1	1E	82	ARG	C-N-CA	-6.26	107.96	122.29
1	2M	82	ARG	CA-C-N	-6.26	107.96	122.29
1	2M	82	ARG	C-N-CA	-6.26	107.96	122.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22	82	ARG	CA-C-N	-6.26	107.96	122.29
1	22	82	ARG	C-N-CA	-6.26	107.96	122.29
1	3M	82	ARG	CA-C-N	-6.26	107.96	122.29
1	3M	82	ARG	C-N-CA	-6.26	107.96	122.29
1	36	82	ARG	CA-C-N	-6.26	107.96	122.29
1	36	82	ARG	C-N-CA	-6.26	107.96	122.29
1	4I	82	ARG	CA-C-N	-6.26	107.96	122.29
1	4I	82	ARG	C-N-CA	-6.26	107.96	122.29
1	4Q	82	ARG	CA-C-N	-6.26	107.96	122.29
1	4Q	82	ARG	C-N-CA	-6.26	107.96	122.29
1	5Y	82	ARG	CA-C-N	-6.26	107.96	122.29
1	5Y	82	ARG	C-N-CA	-6.26	107.96	122.29
1	6E	82	ARG	CA-C-N	-6.26	107.96	122.29
1	6E	82	ARG	C-N-CA	-6.26	107.96	122.29
1	6Y	82	ARG	CA-C-N	-6.26	107.96	122.29
1	6Y	82	ARG	C-N-CA	-6.26	107.96	122.29
1	7I	82	ARG	CA-C-N	-6.26	107.96	122.29
1	7I	82	ARG	C-N-CA	-6.26	107.96	122.29
1	7U	82	ARG	CA-C-N	-6.26	107.96	122.29
1	7U	82	ARG	C-N-CA	-6.26	107.96	122.29
1	1A	24	VAL	CB-CA-C	6.26	121.55	111.29
1	1I	24	VAL	CB-CA-C	6.26	121.55	111.29
1	2E	24	VAL	CB-CA-C	6.26	121.55	111.29
1	26	24	VAL	CB-CA-C	6.26	121.55	111.29
1	3E	24	VAL	CB-CA-C	6.26	121.55	111.29
1	4A	24	VAL	CB-CA-C	6.26	121.55	111.29
1	4M	24	VAL	CB-CA-C	6.26	121.55	111.29
1	4U	24	VAL	CB-CA-C	6.26	121.55	111.29
1	5Q	24	VAL	CB-CA-C	6.26	121.55	111.29
1	6I	24	VAL	CB-CA-C	6.26	121.55	111.29
1	6Q	24	VAL	CB-CA-C	6.26	121.55	111.29
1	7M	24	VAL	CB-CA-C	6.26	121.55	111.29
2	1B	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	1J	141	PHE	CA-CB-CG	-6.25	107.55	113.80
1	1Q	82	ARG	CA-C-N	-6.25	107.97	122.29
1	1Q	82	ARG	C-N-CA	-6.25	107.97	122.29
1	1Q	149	THR	CA-CB-OG1	-6.25	100.22	109.60
1	1U	82	ARG	CA-C-N	-6.25	107.97	122.29
1	1U	82	ARG	C-N-CA	-6.25	107.97	122.29
1	1U	149	THR	CA-CB-OG1	-6.25	100.22	109.60
1	1Y	82	ARG	CA-C-N	-6.25	107.97	122.29
1	1Y	82	ARG	C-N-CA	-6.25	107.97	122.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1Y	149	THR	CA-CB-OG1	-6.25	100.22	109.60
2	2F	141	PHE	CA-CB-CG	-6.25	107.55	113.80
1	2Q	82	ARG	CA-C-N	-6.25	107.97	122.29
1	2Q	82	ARG	C-N-CA	-6.25	107.97	122.29
1	2Q	149	THR	CA-CB-OG1	-6.25	100.22	109.60
1	2U	82	ARG	CA-C-N	-6.25	107.97	122.29
1	2U	82	ARG	C-N-CA	-6.25	107.97	122.29
1	2U	149	THR	CA-CB-OG1	-6.25	100.22	109.60
1	2Y	82	ARG	CA-C-N	-6.25	107.97	122.29
1	2Y	82	ARG	C-N-CA	-6.25	107.97	122.29
1	2Y	149	THR	CA-CB-OG1	-6.25	100.22	109.60
2	27	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	3F	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	4B	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	4N	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	4V	141	PHE	CA-CB-CG	-6.25	107.55	113.80
1	42	82	ARG	CA-C-N	-6.25	107.97	122.29
1	42	82	ARG	C-N-CA	-6.25	107.97	122.29
1	42	149	THR	CA-CB-OG1	-6.25	100.22	109.60
1	46	82	ARG	CA-C-N	-6.25	107.97	122.29
1	46	82	ARG	C-N-CA	-6.25	107.97	122.29
1	46	149	THR	CA-CB-OG1	-6.25	100.22	109.60
1	5A	82	ARG	CA-C-N	-6.25	107.97	122.29
1	5A	82	ARG	C-N-CA	-6.25	107.97	122.29
1	5A	149	THR	CA-CB-OG1	-6.25	100.22	109.60
2	5R	141	PHE	CA-CB-CG	-6.25	107.55	113.80
1	52	82	ARG	CA-C-N	-6.25	107.97	122.29
1	52	82	ARG	C-N-CA	-6.25	107.97	122.29
1	52	149	THR	CA-CB-OG1	-6.25	100.22	109.60
1	56	82	ARG	CA-C-N	-6.25	107.97	122.29
1	56	82	ARG	C-N-CA	-6.25	107.97	122.29
1	56	149	THR	CA-CB-OG1	-6.25	100.22	109.60
1	6A	82	ARG	CA-C-N	-6.25	107.97	122.29
1	6A	82	ARG	C-N-CA	-6.25	107.97	122.29
1	6A	149	THR	CA-CB-OG1	-6.25	100.22	109.60
2	6J	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	6R	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	7N	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	1N	55	PRO	CA-CB-CG	6.25	116.38	104.50
2	1N	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	1R	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	1V	141	PHE	CA-CB-CG	-6.25	107.55	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1Z	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	2J	55	PRO	CA-CB-CG	6.25	116.38	104.50
2	2J	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	2R	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	2V	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	2Z	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	3B	55	PRO	CA-CB-CG	6.25	116.38	104.50
2	3B	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	3J	55	PRO	CA-CB-CG	6.25	116.38	104.50
2	3J	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	33	55	PRO	CA-CB-CG	6.25	116.38	104.50
2	33	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	4F	55	PRO	CA-CB-CG	6.25	116.38	104.50
2	4F	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	4Z	55	PRO	CA-CB-CG	6.25	116.38	104.50
2	4Z	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	43	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	47	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	5B	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	5V	55	PRO	CA-CB-CG	6.25	116.38	104.50
2	5V	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	53	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	57	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	6B	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	6N	55	PRO	CA-CB-CG	6.25	116.38	104.50
2	6N	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	6V	55	PRO	CA-CB-CG	6.25	116.38	104.50
2	6V	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	7F	55	PRO	CA-CB-CG	6.25	116.38	104.50
2	7F	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	7R	55	PRO	CA-CB-CG	6.25	116.38	104.50
2	7R	141	PHE	CA-CB-CG	-6.25	107.55	113.80
1	1Q	43	HIS	N-CA-C	6.25	124.11	110.80
1	1U	43	HIS	N-CA-C	6.25	124.11	110.80
1	1Y	43	HIS	N-CA-C	6.25	124.11	110.80
1	2Q	43	HIS	N-CA-C	6.25	124.11	110.80
1	2U	43	HIS	N-CA-C	6.25	124.11	110.80
1	2Y	43	HIS	N-CA-C	6.25	124.11	110.80
1	42	43	HIS	N-CA-C	6.25	124.11	110.80
1	46	43	HIS	N-CA-C	6.25	124.11	110.80
1	5A	43	HIS	N-CA-C	6.25	124.11	110.80
1	52	43	HIS	N-CA-C	6.25	124.11	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	43	HIS	N-CA-C	6.25	124.11	110.80
1	6A	43	HIS	N-CA-C	6.25	124.11	110.80
1	1A	43	HIS	N-CA-C	6.25	124.11	110.80
2	1F	141	PHE	CA-CB-CG	-6.25	107.55	113.80
1	1I	43	HIS	N-CA-C	6.25	124.11	110.80
1	2E	43	HIS	N-CA-C	6.25	124.11	110.80
2	2N	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	23	141	PHE	CA-CB-CG	-6.25	107.55	113.80
1	26	43	HIS	N-CA-C	6.25	124.11	110.80
1	3E	43	HIS	N-CA-C	6.25	124.11	110.80
2	3N	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	37	141	PHE	CA-CB-CG	-6.25	107.55	113.80
1	4A	43	HIS	N-CA-C	6.25	124.11	110.80
2	4J	141	PHE	CA-CB-CG	-6.25	107.55	113.80
1	4M	43	HIS	N-CA-C	6.25	124.11	110.80
2	4R	141	PHE	CA-CB-CG	-6.25	107.55	113.80
1	4U	43	HIS	N-CA-C	6.25	124.11	110.80
1	5Q	43	HIS	N-CA-C	6.25	124.11	110.80
2	5Z	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	6F	141	PHE	CA-CB-CG	-6.25	107.55	113.80
1	6I	43	HIS	N-CA-C	6.25	124.11	110.80
1	6Q	43	HIS	N-CA-C	6.25	124.11	110.80
2	6Z	141	PHE	CA-CB-CG	-6.25	107.55	113.80
2	7J	141	PHE	CA-CB-CG	-6.25	107.55	113.80
1	7M	43	HIS	N-CA-C	6.25	124.11	110.80
2	7V	141	PHE	CA-CB-CG	-6.25	107.55	113.80
1	1A	82	ARG	CA-C-N	-6.24	108.00	122.29
1	1A	82	ARG	C-N-CA	-6.24	108.00	122.29
1	1I	82	ARG	CA-C-N	-6.24	108.00	122.29
1	1I	82	ARG	C-N-CA	-6.24	108.00	122.29
1	1Q	94	THR	CA-C-N	-6.24	109.41	121.58
1	1Q	94	THR	C-N-CA	-6.24	109.41	121.58
1	1U	94	THR	CA-C-N	-6.24	109.41	121.58
1	1U	94	THR	C-N-CA	-6.24	109.41	121.58
1	1Y	94	THR	CA-C-N	-6.24	109.41	121.58
1	1Y	94	THR	C-N-CA	-6.24	109.41	121.58
1	2E	82	ARG	CA-C-N	-6.24	108.00	122.29
1	2E	82	ARG	C-N-CA	-6.24	108.00	122.29
1	2Q	94	THR	CA-C-N	-6.24	109.41	121.58
1	2Q	94	THR	C-N-CA	-6.24	109.41	121.58
1	2U	94	THR	CA-C-N	-6.24	109.41	121.58
1	2U	94	THR	C-N-CA	-6.24	109.41	121.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2Y	94	THR	CA-C-N	-6.24	109.41	121.58
1	2Y	94	THR	C-N-CA	-6.24	109.41	121.58
1	26	82	ARG	CA-C-N	-6.24	108.00	122.29
1	26	82	ARG	C-N-CA	-6.24	108.00	122.29
1	3E	82	ARG	CA-C-N	-6.24	108.00	122.29
1	3E	82	ARG	C-N-CA	-6.24	108.00	122.29
1	4A	82	ARG	CA-C-N	-6.24	108.00	122.29
1	4A	82	ARG	C-N-CA	-6.24	108.00	122.29
1	4M	82	ARG	CA-C-N	-6.24	108.00	122.29
1	4M	82	ARG	C-N-CA	-6.24	108.00	122.29
1	4U	82	ARG	CA-C-N	-6.24	108.00	122.29
1	4U	82	ARG	C-N-CA	-6.24	108.00	122.29
1	42	94	THR	CA-C-N	-6.24	109.41	121.58
1	42	94	THR	C-N-CA	-6.24	109.41	121.58
1	46	94	THR	CA-C-N	-6.24	109.41	121.58
1	46	94	THR	C-N-CA	-6.24	109.41	121.58
1	5A	94	THR	CA-C-N	-6.24	109.41	121.58
1	5A	94	THR	C-N-CA	-6.24	109.41	121.58
1	5Q	82	ARG	CA-C-N	-6.24	108.00	122.29
1	5Q	82	ARG	C-N-CA	-6.24	108.00	122.29
1	52	94	THR	CA-C-N	-6.24	109.41	121.58
1	52	94	THR	C-N-CA	-6.24	109.41	121.58
1	56	94	THR	CA-C-N	-6.24	109.41	121.58
1	56	94	THR	C-N-CA	-6.24	109.41	121.58
1	6A	94	THR	CA-C-N	-6.24	109.41	121.58
1	6A	94	THR	C-N-CA	-6.24	109.41	121.58
1	6I	82	ARG	CA-C-N	-6.24	108.00	122.29
1	6I	82	ARG	C-N-CA	-6.24	108.00	122.29
1	6Q	82	ARG	CA-C-N	-6.24	108.00	122.29
1	6Q	82	ARG	C-N-CA	-6.24	108.00	122.29
1	7M	82	ARG	CA-C-N	-6.24	108.00	122.29
1	7M	82	ARG	C-N-CA	-6.24	108.00	122.29
1	1M	166	MET	CA-C-O	-6.24	114.00	120.99
1	12	82	ARG	CA-C-N	-6.24	108.00	122.29
1	12	82	ARG	C-N-CA	-6.24	108.00	122.29
1	16	82	ARG	CA-C-N	-6.24	108.00	122.29
1	16	82	ARG	C-N-CA	-6.24	108.00	122.29
1	2A	82	ARG	CA-C-N	-6.24	108.00	122.29
1	2A	82	ARG	C-N-CA	-6.24	108.00	122.29
1	2I	166	MET	CA-C-O	-6.24	114.00	120.99
1	3A	166	MET	CA-C-O	-6.24	114.00	120.99
1	3I	166	MET	CA-C-O	-6.24	114.00	120.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Q	82	ARG	CA-C-N	-6.24	108.00	122.29
1	3Q	82	ARG	C-N-CA	-6.24	108.00	122.29
1	3U	82	ARG	CA-C-N	-6.24	108.00	122.29
1	3U	82	ARG	C-N-CA	-6.24	108.00	122.29
1	3Y	82	ARG	CA-C-N	-6.24	108.00	122.29
1	3Y	82	ARG	C-N-CA	-6.24	108.00	122.29
1	32	166	MET	CA-C-O	-6.24	114.00	120.99
1	4E	166	MET	CA-C-O	-6.24	114.00	120.99
1	4Y	166	MET	CA-C-O	-6.24	114.00	120.99
1	5E	82	ARG	CA-C-N	-6.24	108.00	122.29
1	5E	82	ARG	C-N-CA	-6.24	108.00	122.29
1	5I	82	ARG	CA-C-N	-6.24	108.00	122.29
1	5I	82	ARG	C-N-CA	-6.24	108.00	122.29
1	5M	82	ARG	CA-C-N	-6.24	108.00	122.29
1	5M	82	ARG	C-N-CA	-6.24	108.00	122.29
1	5U	166	MET	CA-C-O	-6.24	114.00	120.99
1	6M	166	MET	CA-C-O	-6.24	114.00	120.99
1	6U	166	MET	CA-C-O	-6.24	114.00	120.99
1	62	82	ARG	CA-C-N	-6.24	108.00	122.29
1	62	82	ARG	C-N-CA	-6.24	108.00	122.29
1	66	82	ARG	CA-C-N	-6.24	108.00	122.29
1	66	82	ARG	C-N-CA	-6.24	108.00	122.29
1	7A	82	ARG	CA-C-N	-6.24	108.00	122.29
1	7A	82	ARG	C-N-CA	-6.24	108.00	122.29
1	7E	166	MET	CA-C-O	-6.24	114.00	120.99
1	7Q	166	MET	CA-C-O	-6.24	114.00	120.99
1	1M	82	ARG	CA-C-N	-6.24	108.01	122.29
1	1M	82	ARG	C-N-CA	-6.24	108.01	122.29
1	2I	82	ARG	CA-C-N	-6.24	108.01	122.29
1	2I	82	ARG	C-N-CA	-6.24	108.01	122.29
1	3A	82	ARG	CA-C-N	-6.24	108.01	122.29
1	3A	82	ARG	C-N-CA	-6.24	108.01	122.29
1	3I	82	ARG	CA-C-N	-6.24	108.01	122.29
1	3I	82	ARG	C-N-CA	-6.24	108.01	122.29
1	32	82	ARG	CA-C-N	-6.24	108.01	122.29
1	32	82	ARG	C-N-CA	-6.24	108.01	122.29
1	4E	82	ARG	CA-C-N	-6.24	108.01	122.29
1	4E	82	ARG	C-N-CA	-6.24	108.01	122.29
1	4Y	82	ARG	CA-C-N	-6.24	108.01	122.29
1	4Y	82	ARG	C-N-CA	-6.24	108.01	122.29
1	5U	82	ARG	CA-C-N	-6.24	108.01	122.29
1	5U	82	ARG	C-N-CA	-6.24	108.01	122.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6M	82	ARG	CA-C-N	-6.24	108.01	122.29
1	6M	82	ARG	C-N-CA	-6.24	108.01	122.29
1	6U	82	ARG	CA-C-N	-6.24	108.01	122.29
1	6U	82	ARG	C-N-CA	-6.24	108.01	122.29
1	7E	82	ARG	CA-C-N	-6.24	108.01	122.29
1	7E	82	ARG	C-N-CA	-6.24	108.01	122.29
1	7Q	82	ARG	CA-C-N	-6.24	108.01	122.29
1	7Q	82	ARG	C-N-CA	-6.24	108.01	122.29
1	1E	94	THR	CA-C-N	-6.23	109.42	121.58
1	1E	94	THR	C-N-CA	-6.23	109.42	121.58
1	2M	94	THR	CA-C-N	-6.23	109.42	121.58
1	2M	94	THR	C-N-CA	-6.23	109.42	121.58
1	22	94	THR	CA-C-N	-6.23	109.42	121.58
1	22	94	THR	C-N-CA	-6.23	109.42	121.58
1	3M	94	THR	CA-C-N	-6.23	109.42	121.58
1	3M	94	THR	C-N-CA	-6.23	109.42	121.58
1	36	94	THR	CA-C-N	-6.23	109.42	121.58
1	36	94	THR	C-N-CA	-6.23	109.42	121.58
1	4I	94	THR	CA-C-N	-6.23	109.42	121.58
1	4I	94	THR	C-N-CA	-6.23	109.42	121.58
1	4Q	94	THR	CA-C-N	-6.23	109.42	121.58
1	4Q	94	THR	C-N-CA	-6.23	109.42	121.58
1	5Y	94	THR	CA-C-N	-6.23	109.42	121.58
1	5Y	94	THR	C-N-CA	-6.23	109.42	121.58
1	6E	94	THR	CA-C-N	-6.23	109.42	121.58
1	6E	94	THR	C-N-CA	-6.23	109.42	121.58
1	6Y	94	THR	CA-C-N	-6.23	109.42	121.58
1	6Y	94	THR	C-N-CA	-6.23	109.42	121.58
1	7I	94	THR	CA-C-N	-6.23	109.42	121.58
1	7I	94	THR	C-N-CA	-6.23	109.42	121.58
1	7U	94	THR	CA-C-N	-6.23	109.42	121.58
1	7U	94	THR	C-N-CA	-6.23	109.42	121.58
2	13	141	PHE	CA-CB-CG	-6.23	107.57	113.80
2	17	141	PHE	CA-CB-CG	-6.23	107.57	113.80
2	2B	141	PHE	CA-CB-CG	-6.23	107.57	113.80
2	3R	141	PHE	CA-CB-CG	-6.23	107.57	113.80
2	3V	141	PHE	CA-CB-CG	-6.23	107.57	113.80
2	3Z	141	PHE	CA-CB-CG	-6.23	107.57	113.80
2	5F	141	PHE	CA-CB-CG	-6.23	107.57	113.80
2	5J	141	PHE	CA-CB-CG	-6.23	107.57	113.80
2	5N	141	PHE	CA-CB-CG	-6.23	107.57	113.80
2	63	141	PHE	CA-CB-CG	-6.23	107.57	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	141	PHE	CA-CB-CG	-6.23	107.57	113.80
2	7B	141	PHE	CA-CB-CG	-6.23	107.57	113.80
1	1A	94	THR	CA-C-N	-6.22	109.44	121.58
1	1A	94	THR	C-N-CA	-6.22	109.44	121.58
1	1E	43	HIS	N-CA-C	6.22	124.06	110.80
1	1I	94	THR	CA-C-N	-6.22	109.44	121.58
1	1I	94	THR	C-N-CA	-6.22	109.44	121.58
1	2E	94	THR	CA-C-N	-6.22	109.44	121.58
1	2E	94	THR	C-N-CA	-6.22	109.44	121.58
1	2M	43	HIS	N-CA-C	6.22	124.06	110.80
1	22	43	HIS	N-CA-C	6.22	124.06	110.80
1	26	94	THR	CA-C-N	-6.22	109.44	121.58
1	26	94	THR	C-N-CA	-6.22	109.44	121.58
1	3E	94	THR	CA-C-N	-6.22	109.44	121.58
1	3E	94	THR	C-N-CA	-6.22	109.44	121.58
1	3M	43	HIS	N-CA-C	6.22	124.06	110.80
1	36	43	HIS	N-CA-C	6.22	124.06	110.80
1	4A	94	THR	CA-C-N	-6.22	109.44	121.58
1	4A	94	THR	C-N-CA	-6.22	109.44	121.58
1	4I	43	HIS	N-CA-C	6.22	124.06	110.80
1	4M	94	THR	CA-C-N	-6.22	109.44	121.58
1	4M	94	THR	C-N-CA	-6.22	109.44	121.58
1	4Q	43	HIS	N-CA-C	6.22	124.06	110.80
1	4U	94	THR	CA-C-N	-6.22	109.44	121.58
1	4U	94	THR	C-N-CA	-6.22	109.44	121.58
1	5Q	94	THR	CA-C-N	-6.22	109.44	121.58
1	5Q	94	THR	C-N-CA	-6.22	109.44	121.58
1	5Y	43	HIS	N-CA-C	6.22	124.06	110.80
1	6E	43	HIS	N-CA-C	6.22	124.06	110.80
1	6I	94	THR	CA-C-N	-6.22	109.44	121.58
1	6I	94	THR	C-N-CA	-6.22	109.44	121.58
1	6Q	94	THR	CA-C-N	-6.22	109.44	121.58
1	6Q	94	THR	C-N-CA	-6.22	109.44	121.58
1	6Y	43	HIS	N-CA-C	6.22	124.06	110.80
1	7I	43	HIS	N-CA-C	6.22	124.06	110.80
1	7M	94	THR	CA-C-N	-6.22	109.44	121.58
1	7M	94	THR	C-N-CA	-6.22	109.44	121.58
1	7U	43	HIS	N-CA-C	6.22	124.06	110.80
1	1M	94	THR	CA-C-N	-6.22	109.45	121.58
1	1M	94	THR	C-N-CA	-6.22	109.45	121.58
1	2I	94	THR	CA-C-N	-6.22	109.45	121.58
1	2I	94	THR	C-N-CA	-6.22	109.45	121.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3A	94	THR	CA-C-N	-6.22	109.45	121.58
1	3A	94	THR	C-N-CA	-6.22	109.45	121.58
1	3I	94	THR	CA-C-N	-6.22	109.45	121.58
1	3I	94	THR	C-N-CA	-6.22	109.45	121.58
1	32	94	THR	CA-C-N	-6.22	109.45	121.58
1	32	94	THR	C-N-CA	-6.22	109.45	121.58
1	4E	94	THR	CA-C-N	-6.22	109.45	121.58
1	4E	94	THR	C-N-CA	-6.22	109.45	121.58
1	4Y	94	THR	CA-C-N	-6.22	109.45	121.58
1	4Y	94	THR	C-N-CA	-6.22	109.45	121.58
1	5U	94	THR	CA-C-N	-6.22	109.45	121.58
1	5U	94	THR	C-N-CA	-6.22	109.45	121.58
1	6M	94	THR	CA-C-N	-6.22	109.45	121.58
1	6M	94	THR	C-N-CA	-6.22	109.45	121.58
1	6U	94	THR	CA-C-N	-6.22	109.45	121.58
1	6U	94	THR	C-N-CA	-6.22	109.45	121.58
1	7E	94	THR	CA-C-N	-6.22	109.45	121.58
1	7E	94	THR	C-N-CA	-6.22	109.45	121.58
1	7Q	94	THR	CA-C-N	-6.22	109.45	121.58
1	7Q	94	THR	C-N-CA	-6.22	109.45	121.58
2	13	46	TYR	CA-C-N	6.22	132.28	120.97
2	13	46	TYR	C-N-CA	6.22	132.28	120.97
2	17	46	TYR	CA-C-N	6.22	132.28	120.97
2	17	46	TYR	C-N-CA	6.22	132.28	120.97
2	2B	46	TYR	CA-C-N	6.22	132.28	120.97
2	2B	46	TYR	C-N-CA	6.22	132.28	120.97
2	3R	46	TYR	CA-C-N	6.22	132.28	120.97
2	3R	46	TYR	C-N-CA	6.22	132.28	120.97
2	3V	46	TYR	CA-C-N	6.22	132.28	120.97
2	3V	46	TYR	C-N-CA	6.22	132.28	120.97
2	3Z	46	TYR	CA-C-N	6.22	132.28	120.97
2	3Z	46	TYR	C-N-CA	6.22	132.28	120.97
2	5F	46	TYR	CA-C-N	6.22	132.28	120.97
2	5F	46	TYR	C-N-CA	6.22	132.28	120.97
2	5J	46	TYR	CA-C-N	6.22	132.28	120.97
2	5J	46	TYR	C-N-CA	6.22	132.28	120.97
2	5N	46	TYR	CA-C-N	6.22	132.28	120.97
2	5N	46	TYR	C-N-CA	6.22	132.28	120.97
2	63	46	TYR	CA-C-N	6.22	132.28	120.97
2	63	46	TYR	C-N-CA	6.22	132.28	120.97
2	67	46	TYR	CA-C-N	6.22	132.28	120.97
2	67	46	TYR	C-N-CA	6.22	132.28	120.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7B	46	TYR	CA-C-N	6.22	132.28	120.97
2	7B	46	TYR	C-N-CA	6.22	132.28	120.97
2	1B	46	TYR	CA-C-N	6.21	132.28	120.97
2	1B	46	TYR	C-N-CA	6.21	132.28	120.97
2	1J	46	TYR	CA-C-N	6.21	132.28	120.97
2	1J	46	TYR	C-N-CA	6.21	132.28	120.97
2	2F	46	TYR	CA-C-N	6.21	132.28	120.97
2	2F	46	TYR	C-N-CA	6.21	132.28	120.97
2	27	46	TYR	CA-C-N	6.21	132.28	120.97
2	27	46	TYR	C-N-CA	6.21	132.28	120.97
2	3F	46	TYR	CA-C-N	6.21	132.28	120.97
2	3F	46	TYR	C-N-CA	6.21	132.28	120.97
2	4B	46	TYR	CA-C-N	6.21	132.28	120.97
2	4B	46	TYR	C-N-CA	6.21	132.28	120.97
2	4N	46	TYR	CA-C-N	6.21	132.28	120.97
2	4N	46	TYR	C-N-CA	6.21	132.28	120.97
2	4V	46	TYR	CA-C-N	6.21	132.28	120.97
2	4V	46	TYR	C-N-CA	6.21	132.28	120.97
2	5R	46	TYR	CA-C-N	6.21	132.28	120.97
2	5R	46	TYR	C-N-CA	6.21	132.28	120.97
2	6J	46	TYR	CA-C-N	6.21	132.28	120.97
2	6J	46	TYR	C-N-CA	6.21	132.28	120.97
2	6R	46	TYR	CA-C-N	6.21	132.28	120.97
2	6R	46	TYR	C-N-CA	6.21	132.28	120.97
2	7N	46	TYR	CA-C-N	6.21	132.28	120.97
2	7N	46	TYR	C-N-CA	6.21	132.28	120.97
1	12	94	THR	CA-C-N	-6.21	109.47	121.58
1	12	94	THR	C-N-CA	-6.21	109.47	121.58
1	16	94	THR	CA-C-N	-6.21	109.47	121.58
1	16	94	THR	C-N-CA	-6.21	109.47	121.58
1	2A	94	THR	CA-C-N	-6.21	109.47	121.58
1	2A	94	THR	C-N-CA	-6.21	109.47	121.58
1	3Q	94	THR	CA-C-N	-6.21	109.47	121.58
1	3Q	94	THR	C-N-CA	-6.21	109.47	121.58
1	3U	94	THR	CA-C-N	-6.21	109.47	121.58
1	3U	94	THR	C-N-CA	-6.21	109.47	121.58
1	3Y	94	THR	CA-C-N	-6.21	109.47	121.58
1	3Y	94	THR	C-N-CA	-6.21	109.47	121.58
1	5E	94	THR	CA-C-N	-6.21	109.47	121.58
1	5E	94	THR	C-N-CA	-6.21	109.47	121.58
1	5I	94	THR	CA-C-N	-6.21	109.47	121.58
1	5I	94	THR	C-N-CA	-6.21	109.47	121.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	94	THR	CA-C-N	-6.21	109.47	121.58
1	5M	94	THR	C-N-CA	-6.21	109.47	121.58
1	62	94	THR	CA-C-N	-6.21	109.47	121.58
1	62	94	THR	C-N-CA	-6.21	109.47	121.58
1	66	94	THR	CA-C-N	-6.21	109.47	121.58
1	66	94	THR	C-N-CA	-6.21	109.47	121.58
1	7A	94	THR	CA-C-N	-6.21	109.47	121.58
1	7A	94	THR	C-N-CA	-6.21	109.47	121.58
2	1R	46	TYR	CA-C-N	6.21	132.27	120.97
2	1R	46	TYR	C-N-CA	6.21	132.27	120.97
2	1V	46	TYR	CA-C-N	6.21	132.27	120.97
2	1V	46	TYR	C-N-CA	6.21	132.27	120.97
2	1Z	46	TYR	CA-C-N	6.21	132.27	120.97
2	1Z	46	TYR	C-N-CA	6.21	132.27	120.97
2	2R	46	TYR	CA-C-N	6.21	132.27	120.97
2	2R	46	TYR	C-N-CA	6.21	132.27	120.97
2	2V	46	TYR	CA-C-N	6.21	132.27	120.97
2	2V	46	TYR	C-N-CA	6.21	132.27	120.97
2	2Z	46	TYR	CA-C-N	6.21	132.27	120.97
2	2Z	46	TYR	C-N-CA	6.21	132.27	120.97
2	43	46	TYR	CA-C-N	6.21	132.27	120.97
2	43	46	TYR	C-N-CA	6.21	132.27	120.97
2	47	46	TYR	CA-C-N	6.21	132.27	120.97
2	47	46	TYR	C-N-CA	6.21	132.27	120.97
2	5B	46	TYR	CA-C-N	6.21	132.27	120.97
2	5B	46	TYR	C-N-CA	6.21	132.27	120.97
2	53	46	TYR	CA-C-N	6.21	132.27	120.97
2	53	46	TYR	C-N-CA	6.21	132.27	120.97
2	57	46	TYR	CA-C-N	6.21	132.27	120.97
2	57	46	TYR	C-N-CA	6.21	132.27	120.97
2	6B	46	TYR	CA-C-N	6.21	132.27	120.97
2	6B	46	TYR	C-N-CA	6.21	132.27	120.97
2	1R	29	MET	C-N-CD	-6.20	99.57	125.00
2	1V	29	MET	C-N-CD	-6.20	99.57	125.00
2	1Z	29	MET	C-N-CD	-6.20	99.57	125.00
2	2R	29	MET	C-N-CD	-6.20	99.57	125.00
2	2V	29	MET	C-N-CD	-6.20	99.57	125.00
2	2Z	29	MET	C-N-CD	-6.20	99.57	125.00
2	43	29	MET	C-N-CD	-6.20	99.57	125.00
2	47	29	MET	C-N-CD	-6.20	99.57	125.00
2	5B	29	MET	C-N-CD	-6.20	99.57	125.00
2	53	29	MET	C-N-CD	-6.20	99.57	125.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	29	MET	C-N-CD	-6.20	99.57	125.00
2	6B	29	MET	C-N-CD	-6.20	99.57	125.00
2	13	29	MET	C-N-CD	-6.20	99.58	125.00
2	17	29	MET	C-N-CD	-6.20	99.58	125.00
2	2B	29	MET	C-N-CD	-6.20	99.58	125.00
2	3R	29	MET	C-N-CD	-6.20	99.58	125.00
2	3V	29	MET	C-N-CD	-6.20	99.58	125.00
2	3Z	29	MET	C-N-CD	-6.20	99.58	125.00
2	5F	29	MET	C-N-CD	-6.20	99.58	125.00
2	5J	29	MET	C-N-CD	-6.20	99.58	125.00
2	5N	29	MET	C-N-CD	-6.20	99.58	125.00
2	63	29	MET	C-N-CD	-6.20	99.58	125.00
2	67	29	MET	C-N-CD	-6.20	99.58	125.00
2	7B	29	MET	C-N-CD	-6.20	99.58	125.00
2	1B	29	MET	C-N-CD	-6.20	99.59	125.00
2	1J	29	MET	C-N-CD	-6.20	99.59	125.00
2	2F	29	MET	C-N-CD	-6.20	99.59	125.00
2	27	29	MET	C-N-CD	-6.20	99.59	125.00
2	3F	29	MET	C-N-CD	-6.20	99.59	125.00
2	4B	29	MET	C-N-CD	-6.20	99.59	125.00
2	4N	29	MET	C-N-CD	-6.20	99.59	125.00
2	4V	29	MET	C-N-CD	-6.20	99.59	125.00
2	5R	29	MET	C-N-CD	-6.20	99.59	125.00
2	6J	29	MET	C-N-CD	-6.20	99.59	125.00
2	6R	29	MET	C-N-CD	-6.20	99.59	125.00
2	7N	29	MET	C-N-CD	-6.20	99.59	125.00
2	1N	29	MET	C-N-CD	-6.20	99.59	125.00
1	12	137	ILE	N-CA-CB	6.20	119.88	110.58
1	16	137	ILE	N-CA-CB	6.20	119.88	110.58
1	2A	137	ILE	N-CA-CB	6.20	119.88	110.58
2	2J	29	MET	C-N-CD	-6.20	99.59	125.00
2	3B	29	MET	C-N-CD	-6.20	99.59	125.00
2	3J	29	MET	C-N-CD	-6.20	99.59	125.00
1	3Q	137	ILE	N-CA-CB	6.20	119.88	110.58
1	3U	137	ILE	N-CA-CB	6.20	119.88	110.58
1	3Y	137	ILE	N-CA-CB	6.20	119.88	110.58
2	33	29	MET	C-N-CD	-6.20	99.59	125.00
2	4F	29	MET	C-N-CD	-6.20	99.59	125.00
2	4Z	29	MET	C-N-CD	-6.20	99.59	125.00
1	5E	137	ILE	N-CA-CB	6.20	119.88	110.58
1	5I	137	ILE	N-CA-CB	6.20	119.88	110.58
1	5M	137	ILE	N-CA-CB	6.20	119.88	110.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	29	MET	C-N-CD	-6.20	99.59	125.00
2	6N	29	MET	C-N-CD	-6.20	99.59	125.00
2	6V	29	MET	C-N-CD	-6.20	99.59	125.00
1	62	137	ILE	N-CA-CB	6.20	119.88	110.58
1	66	137	ILE	N-CA-CB	6.20	119.88	110.58
1	7A	137	ILE	N-CA-CB	6.20	119.88	110.58
2	7F	29	MET	C-N-CD	-6.20	99.59	125.00
2	7R	29	MET	C-N-CD	-6.20	99.59	125.00
2	1F	46	TYR	CA-C-N	6.19	132.24	120.97
2	1F	46	TYR	C-N-CA	6.19	132.24	120.97
2	13	74	TYR	OH-CZ-CE2	6.19	138.48	119.90
2	17	74	TYR	OH-CZ-CE2	6.19	138.48	119.90
2	2B	74	TYR	OH-CZ-CE2	6.19	138.48	119.90
2	2N	46	TYR	CA-C-N	6.19	132.24	120.97
2	2N	46	TYR	C-N-CA	6.19	132.24	120.97
2	23	46	TYR	CA-C-N	6.19	132.24	120.97
2	23	46	TYR	C-N-CA	6.19	132.24	120.97
2	3N	46	TYR	CA-C-N	6.19	132.24	120.97
2	3N	46	TYR	C-N-CA	6.19	132.24	120.97
2	3R	74	TYR	OH-CZ-CE2	6.19	138.48	119.90
2	3V	74	TYR	OH-CZ-CE2	6.19	138.48	119.90
2	3Z	74	TYR	OH-CZ-CE2	6.19	138.48	119.90
2	37	46	TYR	CA-C-N	6.19	132.24	120.97
2	37	46	TYR	C-N-CA	6.19	132.24	120.97
2	4J	46	TYR	CA-C-N	6.19	132.24	120.97
2	4J	46	TYR	C-N-CA	6.19	132.24	120.97
2	4R	46	TYR	CA-C-N	6.19	132.24	120.97
2	4R	46	TYR	C-N-CA	6.19	132.24	120.97
2	5F	74	TYR	OH-CZ-CE2	6.19	138.48	119.90
2	5J	74	TYR	OH-CZ-CE2	6.19	138.48	119.90
2	5N	74	TYR	OH-CZ-CE2	6.19	138.48	119.90
2	5Z	46	TYR	CA-C-N	6.19	132.24	120.97
2	5Z	46	TYR	C-N-CA	6.19	132.24	120.97
2	6F	46	TYR	CA-C-N	6.19	132.24	120.97
2	6F	46	TYR	C-N-CA	6.19	132.24	120.97
2	6Z	46	TYR	CA-C-N	6.19	132.24	120.97
2	6Z	46	TYR	C-N-CA	6.19	132.24	120.97
2	63	74	TYR	OH-CZ-CE2	6.19	138.48	119.90
2	67	74	TYR	OH-CZ-CE2	6.19	138.48	119.90
2	7B	74	TYR	OH-CZ-CE2	6.19	138.48	119.90
2	7J	46	TYR	CA-C-N	6.19	132.24	120.97
2	7J	46	TYR	C-N-CA	6.19	132.24	120.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7V	46	TYR	CA-C-N	6.19	132.24	120.97
2	7V	46	TYR	C-N-CA	6.19	132.24	120.97
2	1F	29	MET	C-N-CD	-6.19	99.62	125.00
2	1N	74	TYR	OH-CZ-CE2	6.19	138.47	119.90
2	1R	90	ASP	CA-CB-CG	-6.19	106.41	112.60
2	1V	90	ASP	CA-CB-CG	-6.19	106.41	112.60
2	1Z	90	ASP	CA-CB-CG	-6.19	106.41	112.60
2	2J	74	TYR	OH-CZ-CE2	6.19	138.47	119.90
2	2N	29	MET	C-N-CD	-6.19	99.62	125.00
2	2R	90	ASP	CA-CB-CG	-6.19	106.41	112.60
2	2V	90	ASP	CA-CB-CG	-6.19	106.41	112.60
2	2Z	90	ASP	CA-CB-CG	-6.19	106.41	112.60
2	23	29	MET	C-N-CD	-6.19	99.62	125.00
2	3B	74	TYR	OH-CZ-CE2	6.19	138.47	119.90
2	3J	74	TYR	OH-CZ-CE2	6.19	138.47	119.90
2	3N	29	MET	C-N-CD	-6.19	99.62	125.00
2	33	74	TYR	OH-CZ-CE2	6.19	138.47	119.90
2	37	29	MET	C-N-CD	-6.19	99.62	125.00
2	4F	74	TYR	OH-CZ-CE2	6.19	138.47	119.90
2	4J	29	MET	C-N-CD	-6.19	99.62	125.00
2	4R	29	MET	C-N-CD	-6.19	99.62	125.00
2	4Z	74	TYR	OH-CZ-CE2	6.19	138.47	119.90
2	43	90	ASP	CA-CB-CG	-6.19	106.41	112.60
2	47	90	ASP	CA-CB-CG	-6.19	106.41	112.60
2	5B	90	ASP	CA-CB-CG	-6.19	106.41	112.60
2	5V	74	TYR	OH-CZ-CE2	6.19	138.47	119.90
2	5Z	29	MET	C-N-CD	-6.19	99.62	125.00
2	53	90	ASP	CA-CB-CG	-6.19	106.41	112.60
2	57	90	ASP	CA-CB-CG	-6.19	106.41	112.60
2	6B	90	ASP	CA-CB-CG	-6.19	106.41	112.60
2	6F	29	MET	C-N-CD	-6.19	99.62	125.00
2	6N	74	TYR	OH-CZ-CE2	6.19	138.47	119.90
2	6V	74	TYR	OH-CZ-CE2	6.19	138.47	119.90
2	6Z	29	MET	C-N-CD	-6.19	99.62	125.00
2	7F	74	TYR	OH-CZ-CE2	6.19	138.47	119.90
2	7J	29	MET	C-N-CD	-6.19	99.62	125.00
2	7R	74	TYR	OH-CZ-CE2	6.19	138.47	119.90
2	7V	29	MET	C-N-CD	-6.19	99.62	125.00
2	1R	74	TYR	OH-CZ-CE2	6.19	138.46	119.90
2	1V	74	TYR	OH-CZ-CE2	6.19	138.46	119.90
2	1Z	74	TYR	OH-CZ-CE2	6.19	138.46	119.90
2	2R	74	TYR	OH-CZ-CE2	6.19	138.46	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	74	TYR	OH-CZ-CE2	6.19	138.46	119.90
2	2Z	74	TYR	OH-CZ-CE2	6.19	138.46	119.90
2	43	74	TYR	OH-CZ-CE2	6.19	138.46	119.90
2	47	74	TYR	OH-CZ-CE2	6.19	138.46	119.90
2	5B	74	TYR	OH-CZ-CE2	6.19	138.46	119.90
2	53	74	TYR	OH-CZ-CE2	6.19	138.46	119.90
2	57	74	TYR	OH-CZ-CE2	6.19	138.46	119.90
2	6B	74	TYR	OH-CZ-CE2	6.19	138.46	119.90
2	1B	74	TYR	OH-CZ-CE2	6.18	138.45	119.90
2	1F	74	TYR	OH-CZ-CE2	6.18	138.46	119.90
2	1J	74	TYR	OH-CZ-CE2	6.18	138.45	119.90
2	1N	46	TYR	CA-C-N	6.18	132.23	120.97
2	1N	46	TYR	C-N-CA	6.18	132.23	120.97
2	2F	74	TYR	OH-CZ-CE2	6.18	138.45	119.90
2	2J	46	TYR	CA-C-N	6.18	132.23	120.97
2	2J	46	TYR	C-N-CA	6.18	132.23	120.97
2	2N	74	TYR	OH-CZ-CE2	6.18	138.46	119.90
2	23	74	TYR	OH-CZ-CE2	6.18	138.46	119.90
2	27	74	TYR	OH-CZ-CE2	6.18	138.45	119.90
2	3B	46	TYR	CA-C-N	6.18	132.23	120.97
2	3B	46	TYR	C-N-CA	6.18	132.23	120.97
2	3F	74	TYR	OH-CZ-CE2	6.18	138.45	119.90
2	3J	46	TYR	CA-C-N	6.18	132.23	120.97
2	3J	46	TYR	C-N-CA	6.18	132.23	120.97
2	3N	74	TYR	OH-CZ-CE2	6.18	138.46	119.90
2	33	46	TYR	CA-C-N	6.18	132.23	120.97
2	33	46	TYR	C-N-CA	6.18	132.23	120.97
2	37	74	TYR	OH-CZ-CE2	6.18	138.46	119.90
2	4B	74	TYR	OH-CZ-CE2	6.18	138.45	119.90
2	4F	46	TYR	CA-C-N	6.18	132.23	120.97
2	4F	46	TYR	C-N-CA	6.18	132.23	120.97
2	4J	74	TYR	OH-CZ-CE2	6.18	138.46	119.90
2	4N	74	TYR	OH-CZ-CE2	6.18	138.45	119.90
2	4R	74	TYR	OH-CZ-CE2	6.18	138.46	119.90
2	4V	74	TYR	OH-CZ-CE2	6.18	138.45	119.90
2	4Z	46	TYR	CA-C-N	6.18	132.23	120.97
2	4Z	46	TYR	C-N-CA	6.18	132.23	120.97
2	5R	74	TYR	OH-CZ-CE2	6.18	138.45	119.90
2	5V	46	TYR	CA-C-N	6.18	132.23	120.97
2	5V	46	TYR	C-N-CA	6.18	132.23	120.97
2	5Z	74	TYR	OH-CZ-CE2	6.18	138.46	119.90
2	6F	74	TYR	OH-CZ-CE2	6.18	138.46	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6J	74	TYR	OH-CZ-CE2	6.18	138.45	119.90
2	6N	46	TYR	CA-C-N	6.18	132.23	120.97
2	6N	46	TYR	C-N-CA	6.18	132.23	120.97
2	6R	74	TYR	OH-CZ-CE2	6.18	138.45	119.90
2	6V	46	TYR	CA-C-N	6.18	132.23	120.97
2	6V	46	TYR	C-N-CA	6.18	132.23	120.97
2	6Z	74	TYR	OH-CZ-CE2	6.18	138.46	119.90
2	7F	46	TYR	CA-C-N	6.18	132.23	120.97
2	7F	46	TYR	C-N-CA	6.18	132.23	120.97
2	7J	74	TYR	OH-CZ-CE2	6.18	138.46	119.90
2	7N	74	TYR	OH-CZ-CE2	6.18	138.45	119.90
2	7R	46	TYR	CA-C-N	6.18	132.23	120.97
2	7R	46	TYR	C-N-CA	6.18	132.23	120.97
2	7V	74	TYR	OH-CZ-CE2	6.18	138.46	119.90
2	13	70	TRP	CZ3-CH2-CZ2	-6.18	113.47	121.50
2	17	70	TRP	CZ3-CH2-CZ2	-6.18	113.47	121.50
2	2B	70	TRP	CZ3-CH2-CZ2	-6.18	113.47	121.50
2	3R	70	TRP	CZ3-CH2-CZ2	-6.18	113.47	121.50
2	3V	70	TRP	CZ3-CH2-CZ2	-6.18	113.47	121.50
2	3Z	70	TRP	CZ3-CH2-CZ2	-6.18	113.47	121.50
2	5F	70	TRP	CZ3-CH2-CZ2	-6.18	113.47	121.50
2	5J	70	TRP	CZ3-CH2-CZ2	-6.18	113.47	121.50
2	5N	70	TRP	CZ3-CH2-CZ2	-6.18	113.47	121.50
2	63	70	TRP	CZ3-CH2-CZ2	-6.18	113.47	121.50
2	67	70	TRP	CZ3-CH2-CZ2	-6.18	113.47	121.50
2	7B	70	TRP	CZ3-CH2-CZ2	-6.18	113.47	121.50
2	1B	90	ASP	CA-CB-CG	-6.18	106.42	112.60
2	1J	90	ASP	CA-CB-CG	-6.18	106.42	112.60
2	2F	90	ASP	CA-CB-CG	-6.18	106.42	112.60
2	27	90	ASP	CA-CB-CG	-6.18	106.42	112.60
2	3F	90	ASP	CA-CB-CG	-6.18	106.42	112.60
2	4B	90	ASP	CA-CB-CG	-6.18	106.42	112.60
2	4N	90	ASP	CA-CB-CG	-6.18	106.42	112.60
2	4V	90	ASP	CA-CB-CG	-6.18	106.42	112.60
2	5R	90	ASP	CA-CB-CG	-6.18	106.42	112.60
2	6J	90	ASP	CA-CB-CG	-6.18	106.42	112.60
2	6R	90	ASP	CA-CB-CG	-6.18	106.42	112.60
2	7N	90	ASP	CA-CB-CG	-6.18	106.42	112.60
1	1M	137	ILE	N-CA-CB	6.17	119.84	110.58
1	2I	137	ILE	N-CA-CB	6.17	119.84	110.58
1	3A	137	ILE	N-CA-CB	6.17	119.84	110.58
1	3I	137	ILE	N-CA-CB	6.17	119.84	110.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	137	ILE	N-CA-CB	6.17	119.84	110.58
1	4E	137	ILE	N-CA-CB	6.17	119.84	110.58
1	4Y	137	ILE	N-CA-CB	6.17	119.84	110.58
1	5U	137	ILE	N-CA-CB	6.17	119.84	110.58
1	6M	137	ILE	N-CA-CB	6.17	119.84	110.58
1	6U	137	ILE	N-CA-CB	6.17	119.84	110.58
1	7E	137	ILE	N-CA-CB	6.17	119.84	110.58
1	7Q	137	ILE	N-CA-CB	6.17	119.84	110.58
2	13	94	TYR	N-CA-CB	6.17	119.30	110.16
2	17	94	TYR	N-CA-CB	6.17	119.30	110.16
2	2B	94	TYR	N-CA-CB	6.17	119.30	110.16
2	3R	94	TYR	N-CA-CB	6.17	119.30	110.16
2	3V	94	TYR	N-CA-CB	6.17	119.30	110.16
2	3Z	94	TYR	N-CA-CB	6.17	119.30	110.16
2	5F	94	TYR	N-CA-CB	6.17	119.30	110.16
2	5J	94	TYR	N-CA-CB	6.17	119.30	110.16
2	5N	94	TYR	N-CA-CB	6.17	119.30	110.16
2	63	94	TYR	N-CA-CB	6.17	119.30	110.16
2	67	94	TYR	N-CA-CB	6.17	119.30	110.16
2	7B	94	TYR	N-CA-CB	6.17	119.30	110.16
2	1N	90	ASP	CA-CB-CG	-6.17	106.43	112.60
1	1Q	65	PHE	O-C-N	-6.17	115.17	123.19
1	1U	65	PHE	O-C-N	-6.17	115.17	123.19
1	1Y	65	PHE	O-C-N	-6.17	115.17	123.19
2	2J	90	ASP	CA-CB-CG	-6.17	106.43	112.60
1	2Q	65	PHE	O-C-N	-6.17	115.17	123.19
1	2U	65	PHE	O-C-N	-6.17	115.17	123.19
1	2Y	65	PHE	O-C-N	-6.17	115.17	123.19
2	3B	90	ASP	CA-CB-CG	-6.17	106.43	112.60
2	3J	90	ASP	CA-CB-CG	-6.17	106.43	112.60
2	33	90	ASP	CA-CB-CG	-6.17	106.43	112.60
2	4F	90	ASP	CA-CB-CG	-6.17	106.43	112.60
2	4Z	90	ASP	CA-CB-CG	-6.17	106.43	112.60
1	42	65	PHE	O-C-N	-6.17	115.17	123.19
1	46	65	PHE	O-C-N	-6.17	115.17	123.19
1	5A	65	PHE	O-C-N	-6.17	115.17	123.19
2	5V	90	ASP	CA-CB-CG	-6.17	106.43	112.60
1	52	65	PHE	O-C-N	-6.17	115.17	123.19
1	56	65	PHE	O-C-N	-6.17	115.17	123.19
1	6A	65	PHE	O-C-N	-6.17	115.17	123.19
2	6N	90	ASP	CA-CB-CG	-6.17	106.43	112.60
2	6V	90	ASP	CA-CB-CG	-6.17	106.43	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	90	ASP	CA-CB-CG	-6.17	106.43	112.60
2	7R	90	ASP	CA-CB-CG	-6.17	106.43	112.60
1	1A	65	PHE	O-C-N	-6.17	115.17	123.19
1	1A	137	ILE	N-CA-CB	6.17	119.83	110.58
2	1F	90	ASP	CA-CB-CG	-6.17	106.43	112.60
1	1I	65	PHE	O-C-N	-6.17	115.17	123.19
1	1I	137	ILE	N-CA-CB	6.17	119.83	110.58
1	2E	65	PHE	O-C-N	-6.17	115.17	123.19
1	2E	137	ILE	N-CA-CB	6.17	119.83	110.58
2	2N	90	ASP	CA-CB-CG	-6.17	106.43	112.60
2	23	90	ASP	CA-CB-CG	-6.17	106.43	112.60
1	26	65	PHE	O-C-N	-6.17	115.17	123.19
1	26	137	ILE	N-CA-CB	6.17	119.83	110.58
1	3E	65	PHE	O-C-N	-6.17	115.17	123.19
1	3E	137	ILE	N-CA-CB	6.17	119.83	110.58
2	3N	90	ASP	CA-CB-CG	-6.17	106.43	112.60
2	37	90	ASP	CA-CB-CG	-6.17	106.43	112.60
1	4A	65	PHE	O-C-N	-6.17	115.17	123.19
1	4A	137	ILE	N-CA-CB	6.17	119.83	110.58
2	4J	90	ASP	CA-CB-CG	-6.17	106.43	112.60
1	4M	65	PHE	O-C-N	-6.17	115.17	123.19
1	4M	137	ILE	N-CA-CB	6.17	119.83	110.58
2	4R	90	ASP	CA-CB-CG	-6.17	106.43	112.60
1	4U	65	PHE	O-C-N	-6.17	115.17	123.19
1	4U	137	ILE	N-CA-CB	6.17	119.83	110.58
1	5Q	65	PHE	O-C-N	-6.17	115.17	123.19
1	5Q	137	ILE	N-CA-CB	6.17	119.83	110.58
2	5Z	90	ASP	CA-CB-CG	-6.17	106.43	112.60
2	6F	90	ASP	CA-CB-CG	-6.17	106.43	112.60
1	6I	65	PHE	O-C-N	-6.17	115.17	123.19
1	6I	137	ILE	N-CA-CB	6.17	119.83	110.58
1	6Q	65	PHE	O-C-N	-6.17	115.17	123.19
1	6Q	137	ILE	N-CA-CB	6.17	119.83	110.58
2	6Z	90	ASP	CA-CB-CG	-6.17	106.43	112.60
2	7J	90	ASP	CA-CB-CG	-6.17	106.43	112.60
1	7M	65	PHE	O-C-N	-6.17	115.17	123.19
1	7M	137	ILE	N-CA-CB	6.17	119.83	110.58
2	7V	90	ASP	CA-CB-CG	-6.17	106.43	112.60
1	1A	29	TYR	CA-C-N	-6.17	112.00	122.67
1	1A	29	TYR	C-N-CA	-6.17	112.00	122.67
1	1I	29	TYR	CA-C-N	-6.17	112.00	122.67
1	1I	29	TYR	C-N-CA	-6.17	112.00	122.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	13	5	ASN	CA-C-O	6.17	128.55	121.28
2	17	5	ASN	CA-C-O	6.17	128.55	121.28
2	2B	5	ASN	CA-C-O	6.17	128.55	121.28
1	2E	29	TYR	CA-C-N	-6.17	112.00	122.67
1	2E	29	TYR	C-N-CA	-6.17	112.00	122.67
1	26	29	TYR	CA-C-N	-6.17	112.00	122.67
1	26	29	TYR	C-N-CA	-6.17	112.00	122.67
1	3E	29	TYR	CA-C-N	-6.17	112.00	122.67
1	3E	29	TYR	C-N-CA	-6.17	112.00	122.67
2	3R	5	ASN	CA-C-O	6.17	128.55	121.28
2	3V	5	ASN	CA-C-O	6.17	128.55	121.28
2	3Z	5	ASN	CA-C-O	6.17	128.55	121.28
1	4A	29	TYR	CA-C-N	-6.17	112.00	122.67
1	4A	29	TYR	C-N-CA	-6.17	112.00	122.67
1	4M	29	TYR	CA-C-N	-6.17	112.00	122.67
1	4M	29	TYR	C-N-CA	-6.17	112.00	122.67
1	4U	29	TYR	CA-C-N	-6.17	112.00	122.67
1	4U	29	TYR	C-N-CA	-6.17	112.00	122.67
2	5F	5	ASN	CA-C-O	6.17	128.55	121.28
2	5J	5	ASN	CA-C-O	6.17	128.55	121.28
2	5N	5	ASN	CA-C-O	6.17	128.55	121.28
1	5Q	29	TYR	CA-C-N	-6.17	112.00	122.67
1	5Q	29	TYR	C-N-CA	-6.17	112.00	122.67
1	6I	29	TYR	CA-C-N	-6.17	112.00	122.67
1	6I	29	TYR	C-N-CA	-6.17	112.00	122.67
1	6Q	29	TYR	CA-C-N	-6.17	112.00	122.67
1	6Q	29	TYR	C-N-CA	-6.17	112.00	122.67
2	63	5	ASN	CA-C-O	6.17	128.55	121.28
2	67	5	ASN	CA-C-O	6.17	128.55	121.28
2	7B	5	ASN	CA-C-O	6.17	128.55	121.28
1	7M	29	TYR	CA-C-N	-6.17	112.00	122.67
1	7M	29	TYR	C-N-CA	-6.17	112.00	122.67
1	1E	29	TYR	CA-C-N	-6.16	112.01	122.67
1	1E	29	TYR	C-N-CA	-6.16	112.01	122.67
1	1M	65	PHE	O-C-N	-6.16	115.18	123.19
1	2I	65	PHE	O-C-N	-6.16	115.18	123.19
1	2M	29	TYR	CA-C-N	-6.16	112.01	122.67
1	2M	29	TYR	C-N-CA	-6.16	112.01	122.67
1	22	29	TYR	CA-C-N	-6.16	112.01	122.67
1	22	29	TYR	C-N-CA	-6.16	112.01	122.67
1	3A	65	PHE	O-C-N	-6.16	115.18	123.19
1	3I	65	PHE	O-C-N	-6.16	115.18	123.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3M	29	TYR	CA-C-N	-6.16	112.01	122.67
1	3M	29	TYR	C-N-CA	-6.16	112.01	122.67
1	32	65	PHE	O-C-N	-6.16	115.18	123.19
1	36	29	TYR	CA-C-N	-6.16	112.01	122.67
1	36	29	TYR	C-N-CA	-6.16	112.01	122.67
1	4E	65	PHE	O-C-N	-6.16	115.18	123.19
1	4I	29	TYR	CA-C-N	-6.16	112.01	122.67
1	4I	29	TYR	C-N-CA	-6.16	112.01	122.67
1	4Q	29	TYR	CA-C-N	-6.16	112.01	122.67
1	4Q	29	TYR	C-N-CA	-6.16	112.01	122.67
1	4Y	65	PHE	O-C-N	-6.16	115.18	123.19
1	5U	65	PHE	O-C-N	-6.16	115.18	123.19
1	5Y	29	TYR	CA-C-N	-6.16	112.01	122.67
1	5Y	29	TYR	C-N-CA	-6.16	112.01	122.67
1	6E	29	TYR	CA-C-N	-6.16	112.01	122.67
1	6E	29	TYR	C-N-CA	-6.16	112.01	122.67
1	6M	65	PHE	O-C-N	-6.16	115.18	123.19
1	6U	65	PHE	O-C-N	-6.16	115.18	123.19
1	6Y	29	TYR	CA-C-N	-6.16	112.01	122.67
1	6Y	29	TYR	C-N-CA	-6.16	112.01	122.67
1	7E	65	PHE	O-C-N	-6.16	115.18	123.19
1	7I	29	TYR	CA-C-N	-6.16	112.01	122.67
1	7I	29	TYR	C-N-CA	-6.16	112.01	122.67
1	7Q	65	PHE	O-C-N	-6.16	115.18	123.19
1	7U	29	TYR	CA-C-N	-6.16	112.01	122.67
1	7U	29	TYR	C-N-CA	-6.16	112.01	122.67
2	1F	5	ASN	CA-C-O	6.16	128.55	121.28
1	1Q	29	TYR	CA-C-N	-6.16	112.01	122.67
1	1Q	29	TYR	C-N-CA	-6.16	112.01	122.67
2	1R	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	1U	29	TYR	CA-C-N	-6.16	112.01	122.67
1	1U	29	TYR	C-N-CA	-6.16	112.01	122.67
2	1V	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	1Y	29	TYR	CA-C-N	-6.16	112.01	122.67
1	1Y	29	TYR	C-N-CA	-6.16	112.01	122.67
2	1Z	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	12	65	PHE	O-C-N	-6.16	115.18	123.19
1	16	65	PHE	O-C-N	-6.16	115.18	123.19
1	2A	65	PHE	O-C-N	-6.16	115.18	123.19
2	2N	5	ASN	CA-C-O	6.16	128.55	121.28
1	2Q	29	TYR	CA-C-N	-6.16	112.01	122.67
1	2Q	29	TYR	C-N-CA	-6.16	112.01	122.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2R	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	2U	29	TYR	CA-C-N	-6.16	112.01	122.67
1	2U	29	TYR	C-N-CA	-6.16	112.01	122.67
2	2V	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	2Y	29	TYR	CA-C-N	-6.16	112.01	122.67
1	2Y	29	TYR	C-N-CA	-6.16	112.01	122.67
2	2Z	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
2	23	5	ASN	CA-C-O	6.16	128.55	121.28
2	3N	5	ASN	CA-C-O	6.16	128.55	121.28
1	3Q	65	PHE	O-C-N	-6.16	115.18	123.19
1	3U	65	PHE	O-C-N	-6.16	115.18	123.19
1	3Y	65	PHE	O-C-N	-6.16	115.18	123.19
2	37	5	ASN	CA-C-O	6.16	128.55	121.28
2	4J	5	ASN	CA-C-O	6.16	128.55	121.28
2	4R	5	ASN	CA-C-O	6.16	128.55	121.28
1	42	29	TYR	CA-C-N	-6.16	112.01	122.67
1	42	29	TYR	C-N-CA	-6.16	112.01	122.67
2	43	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	46	29	TYR	CA-C-N	-6.16	112.01	122.67
1	46	29	TYR	C-N-CA	-6.16	112.01	122.67
2	47	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	5A	29	TYR	CA-C-N	-6.16	112.01	122.67
1	5A	29	TYR	C-N-CA	-6.16	112.01	122.67
2	5B	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	5E	65	PHE	O-C-N	-6.16	115.18	123.19
1	5I	65	PHE	O-C-N	-6.16	115.18	123.19
1	5M	65	PHE	O-C-N	-6.16	115.18	123.19
2	5Z	5	ASN	CA-C-O	6.16	128.55	121.28
1	52	29	TYR	CA-C-N	-6.16	112.01	122.67
1	52	29	TYR	C-N-CA	-6.16	112.01	122.67
2	53	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	56	29	TYR	CA-C-N	-6.16	112.01	122.67
1	56	29	TYR	C-N-CA	-6.16	112.01	122.67
2	57	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	6A	29	TYR	CA-C-N	-6.16	112.01	122.67
1	6A	29	TYR	C-N-CA	-6.16	112.01	122.67
2	6B	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
2	6F	5	ASN	CA-C-O	6.16	128.55	121.28
2	6Z	5	ASN	CA-C-O	6.16	128.55	121.28
1	62	65	PHE	O-C-N	-6.16	115.18	123.19
1	66	65	PHE	O-C-N	-6.16	115.18	123.19
1	7A	65	PHE	O-C-N	-6.16	115.18	123.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	5	ASN	CA-C-O	6.16	128.55	121.28
2	7V	5	ASN	CA-C-O	6.16	128.55	121.28
1	1E	65	PHE	O-C-N	-6.16	115.18	123.19
2	1N	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
2	2J	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	2M	65	PHE	O-C-N	-6.16	115.18	123.19
1	22	65	PHE	O-C-N	-6.16	115.18	123.19
2	3B	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
2	3J	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	3M	65	PHE	O-C-N	-6.16	115.18	123.19
2	33	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	36	65	PHE	O-C-N	-6.16	115.18	123.19
2	4F	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	4I	65	PHE	O-C-N	-6.16	115.18	123.19
1	4Q	65	PHE	O-C-N	-6.16	115.18	123.19
2	4Z	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
2	5V	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	5Y	65	PHE	O-C-N	-6.16	115.18	123.19
1	6E	65	PHE	O-C-N	-6.16	115.18	123.19
2	6N	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
2	6V	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	6Y	65	PHE	O-C-N	-6.16	115.18	123.19
2	7F	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	7I	65	PHE	O-C-N	-6.16	115.18	123.19
2	7R	70	TRP	CZ3-CH2-CZ2	-6.16	113.49	121.50
1	7U	65	PHE	O-C-N	-6.16	115.18	123.19
2	1N	94	TYR	N-CA-CB	6.16	119.27	110.16
2	2J	94	TYR	N-CA-CB	6.16	119.27	110.16
2	3B	94	TYR	N-CA-CB	6.16	119.27	110.16
2	3J	94	TYR	N-CA-CB	6.16	119.27	110.16
2	33	94	TYR	N-CA-CB	6.16	119.27	110.16
2	4F	94	TYR	N-CA-CB	6.16	119.27	110.16
2	4Z	94	TYR	N-CA-CB	6.16	119.27	110.16
2	5V	94	TYR	N-CA-CB	6.16	119.27	110.16
2	6N	94	TYR	N-CA-CB	6.16	119.27	110.16
2	6V	94	TYR	N-CA-CB	6.16	119.27	110.16
2	7F	94	TYR	N-CA-CB	6.16	119.27	110.16
2	7R	94	TYR	N-CA-CB	6.16	119.27	110.16
2	1B	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
1	1E	137	ILE	N-CA-CB	6.16	119.81	110.58
2	1F	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
2	1J	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2F	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
1	2M	137	ILE	N-CA-CB	6.16	119.81	110.58
2	2N	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
1	22	137	ILE	N-CA-CB	6.16	119.81	110.58
2	23	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
2	27	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
2	3F	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
1	3M	137	ILE	N-CA-CB	6.16	119.81	110.58
2	3N	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
1	36	137	ILE	N-CA-CB	6.16	119.81	110.58
2	37	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
2	4B	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
1	4I	137	ILE	N-CA-CB	6.16	119.81	110.58
2	4J	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
2	4N	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
1	4Q	137	ILE	N-CA-CB	6.16	119.81	110.58
2	4R	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
2	4V	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
2	5R	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
1	5Y	137	ILE	N-CA-CB	6.16	119.81	110.58
2	5Z	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
1	6E	137	ILE	N-CA-CB	6.16	119.81	110.58
2	6F	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
2	6J	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
2	6R	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
1	6Y	137	ILE	N-CA-CB	6.16	119.81	110.58
2	6Z	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
1	7I	137	ILE	N-CA-CB	6.16	119.81	110.58
2	7J	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
2	7N	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
1	7U	137	ILE	N-CA-CB	6.16	119.81	110.58
2	7V	70	TRP	CZ3-CH2-CZ2	-6.16	113.50	121.50
2	13	90	ASP	CA-CB-CG	-6.15	106.45	112.60
2	17	90	ASP	CA-CB-CG	-6.15	106.45	112.60
2	2B	90	ASP	CA-CB-CG	-6.15	106.45	112.60
2	3R	90	ASP	CA-CB-CG	-6.15	106.45	112.60
2	3V	90	ASP	CA-CB-CG	-6.15	106.45	112.60
2	3Z	90	ASP	CA-CB-CG	-6.15	106.45	112.60
2	5F	90	ASP	CA-CB-CG	-6.15	106.45	112.60
2	5J	90	ASP	CA-CB-CG	-6.15	106.45	112.60
2	5N	90	ASP	CA-CB-CG	-6.15	106.45	112.60
2	63	90	ASP	CA-CB-CG	-6.15	106.45	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	90	ASP	CA-CB-CG	-6.15	106.45	112.60
2	7B	90	ASP	CA-CB-CG	-6.15	106.45	112.60
1	1E	20	GLU	CG-CD-OE1	6.15	132.55	118.40
1	1M	29	TYR	CA-C-N	-6.15	112.03	122.67
1	1M	29	TYR	C-N-CA	-6.15	112.03	122.67
1	1Q	20	GLU	CG-CD-OE1	6.15	132.55	118.40
2	1R	165	PRO	N-CA-C	6.15	125.14	112.47
1	1U	20	GLU	CG-CD-OE1	6.15	132.55	118.40
2	1V	165	PRO	N-CA-C	6.15	125.14	112.47
1	1Y	20	GLU	CG-CD-OE1	6.15	132.55	118.40
2	1Z	165	PRO	N-CA-C	6.15	125.14	112.47
1	12	29	TYR	CA-C-N	-6.15	112.03	122.67
1	12	29	TYR	C-N-CA	-6.15	112.03	122.67
1	16	29	TYR	CA-C-N	-6.15	112.03	122.67
1	16	29	TYR	C-N-CA	-6.15	112.03	122.67
1	2A	29	TYR	CA-C-N	-6.15	112.03	122.67
1	2A	29	TYR	C-N-CA	-6.15	112.03	122.67
1	2I	29	TYR	CA-C-N	-6.15	112.03	122.67
1	2I	29	TYR	C-N-CA	-6.15	112.03	122.67
1	2M	20	GLU	CG-CD-OE1	6.15	132.55	118.40
1	2Q	20	GLU	CG-CD-OE1	6.15	132.55	118.40
2	2R	165	PRO	N-CA-C	6.15	125.14	112.47
1	2U	20	GLU	CG-CD-OE1	6.15	132.55	118.40
2	2V	165	PRO	N-CA-C	6.15	125.14	112.47
1	2Y	20	GLU	CG-CD-OE1	6.15	132.55	118.40
2	2Z	165	PRO	N-CA-C	6.15	125.14	112.47
1	22	20	GLU	CG-CD-OE1	6.15	132.55	118.40
1	3A	29	TYR	CA-C-N	-6.15	112.03	122.67
1	3A	29	TYR	C-N-CA	-6.15	112.03	122.67
1	3I	29	TYR	CA-C-N	-6.15	112.03	122.67
1	3I	29	TYR	C-N-CA	-6.15	112.03	122.67
1	3M	20	GLU	CG-CD-OE1	6.15	132.55	118.40
1	3Q	29	TYR	CA-C-N	-6.15	112.03	122.67
1	3Q	29	TYR	C-N-CA	-6.15	112.03	122.67
1	3U	29	TYR	CA-C-N	-6.15	112.03	122.67
1	3U	29	TYR	C-N-CA	-6.15	112.03	122.67
1	3Y	29	TYR	CA-C-N	-6.15	112.03	122.67
1	3Y	29	TYR	C-N-CA	-6.15	112.03	122.67
1	32	29	TYR	CA-C-N	-6.15	112.03	122.67
1	32	29	TYR	C-N-CA	-6.15	112.03	122.67
1	36	20	GLU	CG-CD-OE1	6.15	132.55	118.40
1	4E	29	TYR	CA-C-N	-6.15	112.03	122.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	29	TYR	C-N-CA	-6.15	112.03	122.67
1	4I	20	GLU	CG-CD-OE1	6.15	132.55	118.40
1	4Q	20	GLU	CG-CD-OE1	6.15	132.55	118.40
1	4Y	29	TYR	CA-C-N	-6.15	112.03	122.67
1	4Y	29	TYR	C-N-CA	-6.15	112.03	122.67
1	42	20	GLU	CG-CD-OE1	6.15	132.55	118.40
2	43	165	PRO	N-CA-C	6.15	125.14	112.47
1	46	20	GLU	CG-CD-OE1	6.15	132.55	118.40
2	47	165	PRO	N-CA-C	6.15	125.14	112.47
1	5A	20	GLU	CG-CD-OE1	6.15	132.55	118.40
2	5B	165	PRO	N-CA-C	6.15	125.14	112.47
1	5E	29	TYR	CA-C-N	-6.15	112.03	122.67
1	5E	29	TYR	C-N-CA	-6.15	112.03	122.67
1	5I	29	TYR	CA-C-N	-6.15	112.03	122.67
1	5I	29	TYR	C-N-CA	-6.15	112.03	122.67
1	5M	29	TYR	CA-C-N	-6.15	112.03	122.67
1	5M	29	TYR	C-N-CA	-6.15	112.03	122.67
1	5U	29	TYR	CA-C-N	-6.15	112.03	122.67
1	5U	29	TYR	C-N-CA	-6.15	112.03	122.67
1	5Y	20	GLU	CG-CD-OE1	6.15	132.55	118.40
1	52	20	GLU	CG-CD-OE1	6.15	132.55	118.40
2	53	165	PRO	N-CA-C	6.15	125.14	112.47
1	56	20	GLU	CG-CD-OE1	6.15	132.55	118.40
2	57	165	PRO	N-CA-C	6.15	125.14	112.47
1	6A	20	GLU	CG-CD-OE1	6.15	132.55	118.40
2	6B	165	PRO	N-CA-C	6.15	125.14	112.47
1	6E	20	GLU	CG-CD-OE1	6.15	132.55	118.40
1	6M	29	TYR	CA-C-N	-6.15	112.03	122.67
1	6M	29	TYR	C-N-CA	-6.15	112.03	122.67
1	6U	29	TYR	CA-C-N	-6.15	112.03	122.67
1	6U	29	TYR	C-N-CA	-6.15	112.03	122.67
1	6Y	20	GLU	CG-CD-OE1	6.15	132.55	118.40
1	62	29	TYR	CA-C-N	-6.15	112.03	122.67
1	62	29	TYR	C-N-CA	-6.15	112.03	122.67
1	66	29	TYR	CA-C-N	-6.15	112.03	122.67
1	66	29	TYR	C-N-CA	-6.15	112.03	122.67
1	7A	29	TYR	CA-C-N	-6.15	112.03	122.67
1	7A	29	TYR	C-N-CA	-6.15	112.03	122.67
1	7E	29	TYR	CA-C-N	-6.15	112.03	122.67
1	7E	29	TYR	C-N-CA	-6.15	112.03	122.67
1	7I	20	GLU	CG-CD-OE1	6.15	132.55	118.40
1	7Q	29	TYR	CA-C-N	-6.15	112.03	122.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	29	TYR	C-N-CA	-6.15	112.03	122.67
1	7U	20	GLU	CG-CD-OE1	6.15	132.55	118.40
1	1A	20	GLU	CG-CD-OE1	6.15	132.54	118.40
1	1I	20	GLU	CG-CD-OE1	6.15	132.54	118.40
2	1N	165	PRO	N-CA-C	6.15	125.14	112.47
1	2E	20	GLU	CG-CD-OE1	6.15	132.54	118.40
2	2J	165	PRO	N-CA-C	6.15	125.14	112.47
1	26	20	GLU	CG-CD-OE1	6.15	132.54	118.40
2	3B	165	PRO	N-CA-C	6.15	125.14	112.47
1	3E	20	GLU	CG-CD-OE1	6.15	132.54	118.40
2	3J	165	PRO	N-CA-C	6.15	125.14	112.47
2	33	165	PRO	N-CA-C	6.15	125.14	112.47
1	4A	20	GLU	CG-CD-OE1	6.15	132.54	118.40
2	4F	165	PRO	N-CA-C	6.15	125.14	112.47
1	4M	20	GLU	CG-CD-OE1	6.15	132.54	118.40
1	4U	20	GLU	CG-CD-OE1	6.15	132.54	118.40
2	4Z	165	PRO	N-CA-C	6.15	125.14	112.47
1	5Q	20	GLU	CG-CD-OE1	6.15	132.54	118.40
2	5V	165	PRO	N-CA-C	6.15	125.14	112.47
1	6I	20	GLU	CG-CD-OE1	6.15	132.54	118.40
2	6N	165	PRO	N-CA-C	6.15	125.14	112.47
1	6Q	20	GLU	CG-CD-OE1	6.15	132.54	118.40
2	6V	165	PRO	N-CA-C	6.15	125.14	112.47
2	7F	165	PRO	N-CA-C	6.15	125.14	112.47
1	7M	20	GLU	CG-CD-OE1	6.15	132.54	118.40
2	7R	165	PRO	N-CA-C	6.15	125.14	112.47
1	1M	20	GLU	CG-CD-OE1	6.15	132.53	118.40
1	2I	20	GLU	CG-CD-OE1	6.15	132.53	118.40
1	3A	20	GLU	CG-CD-OE1	6.15	132.53	118.40
1	3I	20	GLU	CG-CD-OE1	6.15	132.53	118.40
1	32	20	GLU	CG-CD-OE1	6.15	132.53	118.40
1	4E	20	GLU	CG-CD-OE1	6.15	132.53	118.40
1	4Y	20	GLU	CG-CD-OE1	6.15	132.53	118.40
1	5U	20	GLU	CG-CD-OE1	6.15	132.53	118.40
1	6M	20	GLU	CG-CD-OE1	6.15	132.53	118.40
1	6U	20	GLU	CG-CD-OE1	6.15	132.53	118.40
1	7E	20	GLU	CG-CD-OE1	6.15	132.53	118.40
1	7Q	20	GLU	CG-CD-OE1	6.15	132.53	118.40
2	1B	94	TYR	N-CA-CB	6.14	119.25	110.16
2	1F	165	PRO	N-CA-C	6.14	125.12	112.47
2	1J	94	TYR	N-CA-CB	6.14	119.25	110.16
1	12	20	GLU	CG-CD-OE1	6.14	132.53	118.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16	20	GLU	CG-CD-OE1	6.14	132.53	118.40
1	2A	20	GLU	CG-CD-OE1	6.14	132.53	118.40
2	2F	94	TYR	N-CA-CB	6.14	119.25	110.16
2	2N	165	PRO	N-CA-C	6.14	125.12	112.47
2	23	165	PRO	N-CA-C	6.14	125.12	112.47
2	27	94	TYR	N-CA-CB	6.14	119.25	110.16
2	3F	94	TYR	N-CA-CB	6.14	119.25	110.16
2	3N	165	PRO	N-CA-C	6.14	125.12	112.47
1	3Q	20	GLU	CG-CD-OE1	6.14	132.53	118.40
1	3U	20	GLU	CG-CD-OE1	6.14	132.53	118.40
1	3Y	20	GLU	CG-CD-OE1	6.14	132.53	118.40
2	37	165	PRO	N-CA-C	6.14	125.12	112.47
2	4B	94	TYR	N-CA-CB	6.14	119.25	110.16
2	4J	165	PRO	N-CA-C	6.14	125.12	112.47
2	4N	94	TYR	N-CA-CB	6.14	119.25	110.16
2	4R	165	PRO	N-CA-C	6.14	125.12	112.47
2	4V	94	TYR	N-CA-CB	6.14	119.25	110.16
1	5E	20	GLU	CG-CD-OE1	6.14	132.53	118.40
1	5I	20	GLU	CG-CD-OE1	6.14	132.53	118.40
1	5M	20	GLU	CG-CD-OE1	6.14	132.53	118.40
2	5R	94	TYR	N-CA-CB	6.14	119.25	110.16
2	5Z	165	PRO	N-CA-C	6.14	125.12	112.47
2	6F	165	PRO	N-CA-C	6.14	125.12	112.47
2	6J	94	TYR	N-CA-CB	6.14	119.25	110.16
2	6R	94	TYR	N-CA-CB	6.14	119.25	110.16
2	6Z	165	PRO	N-CA-C	6.14	125.12	112.47
1	62	20	GLU	CG-CD-OE1	6.14	132.53	118.40
1	66	20	GLU	CG-CD-OE1	6.14	132.53	118.40
1	7A	20	GLU	CG-CD-OE1	6.14	132.53	118.40
2	7J	165	PRO	N-CA-C	6.14	125.12	112.47
2	7N	94	TYR	N-CA-CB	6.14	119.25	110.16
2	7V	165	PRO	N-CA-C	6.14	125.12	112.47
1	1Q	137	ILE	N-CA-CB	6.14	119.79	110.58
1	1U	137	ILE	N-CA-CB	6.14	119.79	110.58
1	1Y	137	ILE	N-CA-CB	6.14	119.79	110.58
2	13	165	PRO	N-CA-C	6.14	125.12	112.47
2	17	165	PRO	N-CA-C	6.14	125.12	112.47
2	2B	165	PRO	N-CA-C	6.14	125.12	112.47
1	2Q	137	ILE	N-CA-CB	6.14	119.79	110.58
1	2U	137	ILE	N-CA-CB	6.14	119.79	110.58
1	2Y	137	ILE	N-CA-CB	6.14	119.79	110.58
2	3R	165	PRO	N-CA-C	6.14	125.12	112.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	165	PRO	N-CA-C	6.14	125.12	112.47
2	3Z	165	PRO	N-CA-C	6.14	125.12	112.47
1	42	137	ILE	N-CA-CB	6.14	119.79	110.58
1	46	137	ILE	N-CA-CB	6.14	119.79	110.58
1	5A	137	ILE	N-CA-CB	6.14	119.79	110.58
2	5F	165	PRO	N-CA-C	6.14	125.12	112.47
2	5J	165	PRO	N-CA-C	6.14	125.12	112.47
2	5N	165	PRO	N-CA-C	6.14	125.12	112.47
1	52	137	ILE	N-CA-CB	6.14	119.79	110.58
1	56	137	ILE	N-CA-CB	6.14	119.79	110.58
1	6A	137	ILE	N-CA-CB	6.14	119.79	110.58
2	63	165	PRO	N-CA-C	6.14	125.12	112.47
2	67	165	PRO	N-CA-C	6.14	125.12	112.47
2	7B	165	PRO	N-CA-C	6.14	125.12	112.47
2	1B	5	ASN	CA-C-O	6.14	128.52	121.28
2	1J	5	ASN	CA-C-O	6.14	128.52	121.28
2	2F	5	ASN	CA-C-O	6.14	128.52	121.28
2	27	5	ASN	CA-C-O	6.14	128.52	121.28
2	3F	5	ASN	CA-C-O	6.14	128.52	121.28
2	4B	5	ASN	CA-C-O	6.14	128.52	121.28
2	4N	5	ASN	CA-C-O	6.14	128.52	121.28
2	4V	5	ASN	CA-C-O	6.14	128.52	121.28
2	5R	5	ASN	CA-C-O	6.14	128.52	121.28
2	6J	5	ASN	CA-C-O	6.14	128.52	121.28
2	6R	5	ASN	CA-C-O	6.14	128.52	121.28
2	7N	5	ASN	CA-C-O	6.14	128.52	121.28
2	13	44	MET	CB-CA-C	6.14	122.36	110.46
2	17	44	MET	CB-CA-C	6.14	122.36	110.46
2	2B	44	MET	CB-CA-C	6.14	122.36	110.46
2	3R	44	MET	CB-CA-C	6.14	122.36	110.46
2	3V	44	MET	CB-CA-C	6.14	122.36	110.46
2	3Z	44	MET	CB-CA-C	6.14	122.36	110.46
2	5F	44	MET	CB-CA-C	6.14	122.36	110.46
2	5J	44	MET	CB-CA-C	6.14	122.36	110.46
2	5N	44	MET	CB-CA-C	6.14	122.36	110.46
2	63	44	MET	CB-CA-C	6.14	122.36	110.46
2	67	44	MET	CB-CA-C	6.14	122.36	110.46
2	7B	44	MET	CB-CA-C	6.14	122.36	110.46
2	1B	165	PRO	N-CA-C	6.13	125.10	112.47
2	1J	165	PRO	N-CA-C	6.13	125.10	112.47
1	1Q	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
2	1R	94	TYR	N-CA-CB	6.13	119.23	110.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1U	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
2	1V	94	TYR	N-CA-CB	6.13	119.23	110.16
1	1Y	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
2	1Z	94	TYR	N-CA-CB	6.13	119.23	110.16
2	2F	165	PRO	N-CA-C	6.13	125.10	112.47
1	2Q	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
2	2R	94	TYR	N-CA-CB	6.13	119.23	110.16
1	2U	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
2	2V	94	TYR	N-CA-CB	6.13	119.23	110.16
1	2Y	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
2	2Z	94	TYR	N-CA-CB	6.13	119.23	110.16
2	27	165	PRO	N-CA-C	6.13	125.10	112.47
2	3F	165	PRO	N-CA-C	6.13	125.10	112.47
2	4B	165	PRO	N-CA-C	6.13	125.10	112.47
2	4N	165	PRO	N-CA-C	6.13	125.10	112.47
2	4V	165	PRO	N-CA-C	6.13	125.10	112.47
1	42	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
2	43	94	TYR	N-CA-CB	6.13	119.23	110.16
1	46	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
2	47	94	TYR	N-CA-CB	6.13	119.23	110.16
1	5A	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
2	5B	94	TYR	N-CA-CB	6.13	119.23	110.16
2	5R	165	PRO	N-CA-C	6.13	125.10	112.47
1	52	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
2	53	94	TYR	N-CA-CB	6.13	119.23	110.16
1	56	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
2	57	94	TYR	N-CA-CB	6.13	119.23	110.16
1	6A	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
2	6B	94	TYR	N-CA-CB	6.13	119.23	110.16
2	6J	165	PRO	N-CA-C	6.13	125.10	112.47
2	6R	165	PRO	N-CA-C	6.13	125.10	112.47
2	7N	165	PRO	N-CA-C	6.13	125.10	112.47
1	12	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
1	16	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
1	2A	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
1	3Q	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
1	3U	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
1	3Y	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
1	5E	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
1	5I	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
1	5M	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
1	62	51	LEU	CB-CG-CD2	-6.13	92.31	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
1	7A	51	LEU	CB-CG-CD2	-6.13	92.31	110.70
2	13	76	ILE	CA-C-O	-6.12	115.07	121.93
2	17	76	ILE	CA-C-O	-6.12	115.07	121.93
2	2B	76	ILE	CA-C-O	-6.12	115.07	121.93
2	3R	76	ILE	CA-C-O	-6.12	115.07	121.93
2	3V	76	ILE	CA-C-O	-6.12	115.07	121.93
2	3Z	76	ILE	CA-C-O	-6.12	115.07	121.93
2	5F	76	ILE	CA-C-O	-6.12	115.07	121.93
2	5J	76	ILE	CA-C-O	-6.12	115.07	121.93
2	5N	76	ILE	CA-C-O	-6.12	115.07	121.93
2	63	76	ILE	CA-C-O	-6.12	115.07	121.93
2	67	76	ILE	CA-C-O	-6.12	115.07	121.93
2	7B	76	ILE	CA-C-O	-6.12	115.07	121.93
1	1A	51	LEU	CB-CG-CD2	-6.12	92.34	110.70
2	1B	44	MET	CB-CA-C	6.12	122.34	110.46
2	1F	94	TYR	N-CA-CB	6.12	119.22	110.16
1	1I	51	LEU	CB-CG-CD2	-6.12	92.34	110.70
2	1J	44	MET	CB-CA-C	6.12	122.34	110.46
2	1N	44	MET	CB-CA-C	6.12	122.34	110.46
1	2E	51	LEU	CB-CG-CD2	-6.12	92.34	110.70
2	2F	44	MET	CB-CA-C	6.12	122.34	110.46
2	2J	44	MET	CB-CA-C	6.12	122.34	110.46
2	2N	94	TYR	N-CA-CB	6.12	119.22	110.16
2	23	94	TYR	N-CA-CB	6.12	119.22	110.16
1	26	51	LEU	CB-CG-CD2	-6.12	92.34	110.70
2	27	44	MET	CB-CA-C	6.12	122.34	110.46
2	3B	44	MET	CB-CA-C	6.12	122.34	110.46
1	3E	51	LEU	CB-CG-CD2	-6.12	92.34	110.70
2	3F	44	MET	CB-CA-C	6.12	122.34	110.46
2	3J	44	MET	CB-CA-C	6.12	122.34	110.46
2	3N	94	TYR	N-CA-CB	6.12	119.22	110.16
2	33	44	MET	CB-CA-C	6.12	122.34	110.46
2	37	94	TYR	N-CA-CB	6.12	119.22	110.16
1	4A	51	LEU	CB-CG-CD2	-6.12	92.34	110.70
2	4B	44	MET	CB-CA-C	6.12	122.34	110.46
2	4F	44	MET	CB-CA-C	6.12	122.34	110.46
2	4J	94	TYR	N-CA-CB	6.12	119.22	110.16
1	4M	51	LEU	CB-CG-CD2	-6.12	92.34	110.70
2	4N	44	MET	CB-CA-C	6.12	122.34	110.46
2	4R	94	TYR	N-CA-CB	6.12	119.22	110.16
1	4U	51	LEU	CB-CG-CD2	-6.12	92.34	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4V	44	MET	CB-CA-C	6.12	122.34	110.46
2	4Z	44	MET	CB-CA-C	6.12	122.34	110.46
1	5Q	51	LEU	CB-CG-CD2	-6.12	92.34	110.70
2	5R	44	MET	CB-CA-C	6.12	122.34	110.46
2	5V	44	MET	CB-CA-C	6.12	122.34	110.46
2	5Z	94	TYR	N-CA-CB	6.12	119.22	110.16
2	6F	94	TYR	N-CA-CB	6.12	119.22	110.16
1	6I	51	LEU	CB-CG-CD2	-6.12	92.34	110.70
2	6J	44	MET	CB-CA-C	6.12	122.34	110.46
2	6N	44	MET	CB-CA-C	6.12	122.34	110.46
1	6Q	51	LEU	CB-CG-CD2	-6.12	92.34	110.70
2	6R	44	MET	CB-CA-C	6.12	122.34	110.46
2	6V	44	MET	CB-CA-C	6.12	122.34	110.46
2	6Z	94	TYR	N-CA-CB	6.12	119.22	110.16
2	7F	44	MET	CB-CA-C	6.12	122.34	110.46
2	7J	94	TYR	N-CA-CB	6.12	119.22	110.16
1	7M	51	LEU	CB-CG-CD2	-6.12	92.34	110.70
2	7N	44	MET	CB-CA-C	6.12	122.34	110.46
2	7R	44	MET	CB-CA-C	6.12	122.34	110.46
2	7V	94	TYR	N-CA-CB	6.12	119.22	110.16
2	13	220	PHE	CZ-CE2-CD2	-6.12	108.98	120.00
2	17	220	PHE	CZ-CE2-CD2	-6.12	108.98	120.00
2	2B	220	PHE	CZ-CE2-CD2	-6.12	108.98	120.00
2	3R	220	PHE	CZ-CE2-CD2	-6.12	108.98	120.00
2	3V	220	PHE	CZ-CE2-CD2	-6.12	108.98	120.00
2	3Z	220	PHE	CZ-CE2-CD2	-6.12	108.98	120.00
2	5F	220	PHE	CZ-CE2-CD2	-6.12	108.98	120.00
2	5J	220	PHE	CZ-CE2-CD2	-6.12	108.98	120.00
2	5N	220	PHE	CZ-CE2-CD2	-6.12	108.98	120.00
2	63	220	PHE	CZ-CE2-CD2	-6.12	108.98	120.00
2	67	220	PHE	CZ-CE2-CD2	-6.12	108.98	120.00
2	7B	220	PHE	CZ-CE2-CD2	-6.12	108.98	120.00
2	1F	44	MET	CB-CA-C	6.12	122.33	110.46
2	2N	44	MET	CB-CA-C	6.12	122.33	110.46
2	23	44	MET	CB-CA-C	6.12	122.33	110.46
2	3N	44	MET	CB-CA-C	6.12	122.33	110.46
2	37	44	MET	CB-CA-C	6.12	122.33	110.46
2	4J	44	MET	CB-CA-C	6.12	122.33	110.46
2	4R	44	MET	CB-CA-C	6.12	122.33	110.46
2	5Z	44	MET	CB-CA-C	6.12	122.33	110.46
2	6F	44	MET	CB-CA-C	6.12	122.33	110.46
2	6Z	44	MET	CB-CA-C	6.12	122.33	110.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	44	MET	CB-CA-C	6.12	122.33	110.46
2	7V	44	MET	CB-CA-C	6.12	122.33	110.46
1	1E	51	LEU	CB-CG-CD2	-6.12	92.36	110.70
1	2M	51	LEU	CB-CG-CD2	-6.12	92.36	110.70
1	22	51	LEU	CB-CG-CD2	-6.12	92.36	110.70
1	3M	51	LEU	CB-CG-CD2	-6.12	92.36	110.70
1	36	51	LEU	CB-CG-CD2	-6.12	92.36	110.70
1	4I	51	LEU	CB-CG-CD2	-6.12	92.36	110.70
1	4Q	51	LEU	CB-CG-CD2	-6.12	92.36	110.70
1	5Y	51	LEU	CB-CG-CD2	-6.12	92.36	110.70
1	6E	51	LEU	CB-CG-CD2	-6.12	92.36	110.70
1	6Y	51	LEU	CB-CG-CD2	-6.12	92.36	110.70
1	7I	51	LEU	CB-CG-CD2	-6.12	92.36	110.70
1	7U	51	LEU	CB-CG-CD2	-6.12	92.36	110.70
2	1B	220	PHE	CZ-CE2-CD2	-6.11	108.99	120.00
2	1J	220	PHE	CZ-CE2-CD2	-6.11	108.99	120.00
1	1M	33	SER	O-C-N	6.11	131.18	122.74
1	1M	51	LEU	CB-CG-CD2	-6.11	92.36	110.70
2	13	78	HIS	CB-CA-C	-6.11	98.54	109.24
2	17	78	HIS	CB-CA-C	-6.11	98.54	109.24
2	2B	78	HIS	CB-CA-C	-6.11	98.54	109.24
2	2F	220	PHE	CZ-CE2-CD2	-6.11	108.99	120.00
1	2I	33	SER	O-C-N	6.11	131.18	122.74
1	2I	51	LEU	CB-CG-CD2	-6.11	92.36	110.70
2	27	220	PHE	CZ-CE2-CD2	-6.11	108.99	120.00
1	3A	33	SER	O-C-N	6.11	131.18	122.74
1	3A	51	LEU	CB-CG-CD2	-6.11	92.36	110.70
2	3F	220	PHE	CZ-CE2-CD2	-6.11	108.99	120.00
1	3I	33	SER	O-C-N	6.11	131.18	122.74
1	3I	51	LEU	CB-CG-CD2	-6.11	92.36	110.70
2	3R	78	HIS	CB-CA-C	-6.11	98.54	109.24
2	3V	78	HIS	CB-CA-C	-6.11	98.54	109.24
2	3Z	78	HIS	CB-CA-C	-6.11	98.54	109.24
1	32	33	SER	O-C-N	6.11	131.18	122.74
1	32	51	LEU	CB-CG-CD2	-6.11	92.36	110.70
2	4B	220	PHE	CZ-CE2-CD2	-6.11	108.99	120.00
1	4E	33	SER	O-C-N	6.11	131.18	122.74
1	4E	51	LEU	CB-CG-CD2	-6.11	92.36	110.70
2	4N	220	PHE	CZ-CE2-CD2	-6.11	108.99	120.00
2	4V	220	PHE	CZ-CE2-CD2	-6.11	108.99	120.00
1	4Y	33	SER	O-C-N	6.11	131.18	122.74
1	4Y	51	LEU	CB-CG-CD2	-6.11	92.36	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5F	78	HIS	CB-CA-C	-6.11	98.54	109.24
2	5J	78	HIS	CB-CA-C	-6.11	98.54	109.24
2	5N	78	HIS	CB-CA-C	-6.11	98.54	109.24
2	5R	220	PHE	CZ-CE2-CD2	-6.11	108.99	120.00
1	5U	33	SER	O-C-N	6.11	131.18	122.74
1	5U	51	LEU	CB-CG-CD2	-6.11	92.36	110.70
2	6J	220	PHE	CZ-CE2-CD2	-6.11	108.99	120.00
1	6M	33	SER	O-C-N	6.11	131.18	122.74
1	6M	51	LEU	CB-CG-CD2	-6.11	92.36	110.70
2	6R	220	PHE	CZ-CE2-CD2	-6.11	108.99	120.00
1	6U	33	SER	O-C-N	6.11	131.18	122.74
1	6U	51	LEU	CB-CG-CD2	-6.11	92.36	110.70
2	63	78	HIS	CB-CA-C	-6.11	98.54	109.24
2	67	78	HIS	CB-CA-C	-6.11	98.54	109.24
2	7B	78	HIS	CB-CA-C	-6.11	98.54	109.24
1	7E	33	SER	O-C-N	6.11	131.18	122.74
1	7E	51	LEU	CB-CG-CD2	-6.11	92.36	110.70
2	7N	220	PHE	CZ-CE2-CD2	-6.11	108.99	120.00
1	7Q	33	SER	O-C-N	6.11	131.18	122.74
1	7Q	51	LEU	CB-CG-CD2	-6.11	92.36	110.70
2	1B	76	ILE	CG1-CB-CG2	6.11	129.04	110.70
2	1J	76	ILE	CG1-CB-CG2	6.11	129.04	110.70
2	1R	53	LYS	CB-CG-CD	-6.11	97.24	111.30
2	1V	53	LYS	CB-CG-CD	-6.11	97.24	111.30
2	1Z	53	LYS	CB-CG-CD	-6.11	97.24	111.30
2	2F	76	ILE	CG1-CB-CG2	6.11	129.04	110.70
2	2R	53	LYS	CB-CG-CD	-6.11	97.24	111.30
2	2V	53	LYS	CB-CG-CD	-6.11	97.24	111.30
2	2Z	53	LYS	CB-CG-CD	-6.11	97.24	111.30
2	27	76	ILE	CG1-CB-CG2	6.11	129.04	110.70
2	3F	76	ILE	CG1-CB-CG2	6.11	129.04	110.70
2	4B	76	ILE	CG1-CB-CG2	6.11	129.04	110.70
2	4N	76	ILE	CG1-CB-CG2	6.11	129.04	110.70
2	4V	76	ILE	CG1-CB-CG2	6.11	129.04	110.70
2	43	53	LYS	CB-CG-CD	-6.11	97.24	111.30
2	47	53	LYS	CB-CG-CD	-6.11	97.24	111.30
2	5B	53	LYS	CB-CG-CD	-6.11	97.24	111.30
2	5R	76	ILE	CG1-CB-CG2	6.11	129.04	110.70
2	53	53	LYS	CB-CG-CD	-6.11	97.24	111.30
2	57	53	LYS	CB-CG-CD	-6.11	97.24	111.30
2	6B	53	LYS	CB-CG-CD	-6.11	97.24	111.30
2	6J	76	ILE	CG1-CB-CG2	6.11	129.04	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	76	ILE	CG1-CB-CG2	6.11	129.04	110.70
2	7N	76	ILE	CG1-CB-CG2	6.11	129.04	110.70
2	1N	5	ASN	CA-C-O	6.11	128.49	121.28
2	2J	5	ASN	CA-C-O	6.11	128.49	121.28
2	3B	5	ASN	CA-C-O	6.11	128.49	121.28
2	3J	5	ASN	CA-C-O	6.11	128.49	121.28
2	33	5	ASN	CA-C-O	6.11	128.49	121.28
2	4F	5	ASN	CA-C-O	6.11	128.49	121.28
2	4Z	5	ASN	CA-C-O	6.11	128.49	121.28
2	5V	5	ASN	CA-C-O	6.11	128.49	121.28
2	6N	5	ASN	CA-C-O	6.11	128.49	121.28
2	6V	5	ASN	CA-C-O	6.11	128.49	121.28
2	7F	5	ASN	CA-C-O	6.11	128.49	121.28
2	7R	5	ASN	CA-C-O	6.11	128.49	121.28
2	1R	44	MET	CB-CA-C	6.11	122.31	110.46
2	1R	78	HIS	CB-CA-C	-6.11	98.55	109.24
2	1V	44	MET	CB-CA-C	6.11	122.31	110.46
2	1V	78	HIS	CB-CA-C	-6.11	98.55	109.24
2	1Z	44	MET	CB-CA-C	6.11	122.31	110.46
2	1Z	78	HIS	CB-CA-C	-6.11	98.55	109.24
2	2R	44	MET	CB-CA-C	6.11	122.31	110.46
2	2R	78	HIS	CB-CA-C	-6.11	98.55	109.24
2	2V	44	MET	CB-CA-C	6.11	122.31	110.46
2	2V	78	HIS	CB-CA-C	-6.11	98.55	109.24
2	2Z	44	MET	CB-CA-C	6.11	122.31	110.46
2	2Z	78	HIS	CB-CA-C	-6.11	98.55	109.24
2	43	44	MET	CB-CA-C	6.11	122.31	110.46
2	43	78	HIS	CB-CA-C	-6.11	98.55	109.24
2	47	44	MET	CB-CA-C	6.11	122.31	110.46
2	47	78	HIS	CB-CA-C	-6.11	98.55	109.24
2	5B	44	MET	CB-CA-C	6.11	122.31	110.46
2	5B	78	HIS	CB-CA-C	-6.11	98.55	109.24
2	53	44	MET	CB-CA-C	6.11	122.31	110.46
2	53	78	HIS	CB-CA-C	-6.11	98.55	109.24
2	57	44	MET	CB-CA-C	6.11	122.31	110.46
2	57	78	HIS	CB-CA-C	-6.11	98.55	109.24
2	6B	44	MET	CB-CA-C	6.11	122.31	110.46
2	6B	78	HIS	CB-CA-C	-6.11	98.55	109.24
2	1N	53	LYS	CB-CG-CD	-6.11	97.26	111.30
2	1N	220	PHE	CZ-CE2-CD2	-6.11	109.01	120.00
2	1R	2	GLU	CB-CG-CD	-6.11	102.22	112.60
2	1V	2	GLU	CB-CG-CD	-6.11	102.22	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1Z	2	GLU	CB-CG-CD	-6.11	102.22	112.60
2	2J	53	LYS	CB-CG-CD	-6.11	97.26	111.30
2	2J	220	PHE	CZ-CE2-CD2	-6.11	109.01	120.00
2	2R	2	GLU	CB-CG-CD	-6.11	102.22	112.60
2	2V	2	GLU	CB-CG-CD	-6.11	102.22	112.60
2	2Z	2	GLU	CB-CG-CD	-6.11	102.22	112.60
2	3B	53	LYS	CB-CG-CD	-6.11	97.26	111.30
2	3B	220	PHE	CZ-CE2-CD2	-6.11	109.01	120.00
2	3J	53	LYS	CB-CG-CD	-6.11	97.26	111.30
2	3J	220	PHE	CZ-CE2-CD2	-6.11	109.01	120.00
2	33	53	LYS	CB-CG-CD	-6.11	97.26	111.30
2	33	220	PHE	CZ-CE2-CD2	-6.11	109.01	120.00
2	4F	53	LYS	CB-CG-CD	-6.11	97.26	111.30
2	4F	220	PHE	CZ-CE2-CD2	-6.11	109.01	120.00
2	4Z	53	LYS	CB-CG-CD	-6.11	97.26	111.30
2	4Z	220	PHE	CZ-CE2-CD2	-6.11	109.01	120.00
2	43	2	GLU	CB-CG-CD	-6.11	102.22	112.60
2	47	2	GLU	CB-CG-CD	-6.11	102.22	112.60
2	5B	2	GLU	CB-CG-CD	-6.11	102.22	112.60
2	5V	53	LYS	CB-CG-CD	-6.11	97.26	111.30
2	5V	220	PHE	CZ-CE2-CD2	-6.11	109.01	120.00
2	53	2	GLU	CB-CG-CD	-6.11	102.22	112.60
2	57	2	GLU	CB-CG-CD	-6.11	102.22	112.60
2	6B	2	GLU	CB-CG-CD	-6.11	102.22	112.60
2	6N	53	LYS	CB-CG-CD	-6.11	97.26	111.30
2	6N	220	PHE	CZ-CE2-CD2	-6.11	109.01	120.00
2	6V	53	LYS	CB-CG-CD	-6.11	97.26	111.30
2	6V	220	PHE	CZ-CE2-CD2	-6.11	109.01	120.00
2	7F	53	LYS	CB-CG-CD	-6.11	97.26	111.30
2	7F	220	PHE	CZ-CE2-CD2	-6.11	109.01	120.00
2	7R	53	LYS	CB-CG-CD	-6.11	97.26	111.30
2	7R	220	PHE	CZ-CE2-CD2	-6.11	109.01	120.00
1	1A	33	SER	O-C-N	6.10	131.16	122.74
2	1B	53	LYS	CB-CG-CD	-6.10	97.26	111.30
1	1I	33	SER	O-C-N	6.10	131.16	122.74
2	1J	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	1R	5	ASN	CA-C-O	6.10	128.48	121.28
2	1V	5	ASN	CA-C-O	6.10	128.48	121.28
2	1Z	5	ASN	CA-C-O	6.10	128.48	121.28
2	13	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	17	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	2B	53	LYS	CB-CG-CD	-6.10	97.26	111.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2E	33	SER	O-C-N	6.10	131.16	122.74
2	2F	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	2R	5	ASN	CA-C-O	6.10	128.48	121.28
2	2V	5	ASN	CA-C-O	6.10	128.48	121.28
2	2Z	5	ASN	CA-C-O	6.10	128.48	121.28
1	26	33	SER	O-C-N	6.10	131.16	122.74
2	27	53	LYS	CB-CG-CD	-6.10	97.26	111.30
1	3E	33	SER	O-C-N	6.10	131.16	122.74
2	3F	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	3R	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	3V	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	3Z	53	LYS	CB-CG-CD	-6.10	97.26	111.30
1	4A	33	SER	O-C-N	6.10	131.16	122.74
2	4B	53	LYS	CB-CG-CD	-6.10	97.26	111.30
1	4M	33	SER	O-C-N	6.10	131.16	122.74
2	4N	53	LYS	CB-CG-CD	-6.10	97.26	111.30
1	4U	33	SER	O-C-N	6.10	131.16	122.74
2	4V	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	43	5	ASN	CA-C-O	6.10	128.48	121.28
2	47	5	ASN	CA-C-O	6.10	128.48	121.28
2	5B	5	ASN	CA-C-O	6.10	128.48	121.28
2	5F	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	5J	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	5N	53	LYS	CB-CG-CD	-6.10	97.26	111.30
1	5Q	33	SER	O-C-N	6.10	131.16	122.74
2	5R	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	53	5	ASN	CA-C-O	6.10	128.48	121.28
2	57	5	ASN	CA-C-O	6.10	128.48	121.28
2	6B	5	ASN	CA-C-O	6.10	128.48	121.28
1	6I	33	SER	O-C-N	6.10	131.16	122.74
2	6J	53	LYS	CB-CG-CD	-6.10	97.26	111.30
1	6Q	33	SER	O-C-N	6.10	131.16	122.74
2	6R	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	63	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	67	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	7B	53	LYS	CB-CG-CD	-6.10	97.26	111.30
1	7M	33	SER	O-C-N	6.10	131.16	122.74
2	7N	53	LYS	CB-CG-CD	-6.10	97.26	111.30
2	1R	220	PHE	CZ-CE2-CD2	-6.10	109.02	120.00
2	1V	220	PHE	CZ-CE2-CD2	-6.10	109.02	120.00
2	1Z	220	PHE	CZ-CE2-CD2	-6.10	109.02	120.00
2	2R	220	PHE	CZ-CE2-CD2	-6.10	109.02	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	220	PHE	CZ-CE2-CD2	-6.10	109.02	120.00
2	2Z	220	PHE	CZ-CE2-CD2	-6.10	109.02	120.00
2	43	220	PHE	CZ-CE2-CD2	-6.10	109.02	120.00
2	47	220	PHE	CZ-CE2-CD2	-6.10	109.02	120.00
2	5B	220	PHE	CZ-CE2-CD2	-6.10	109.02	120.00
2	53	220	PHE	CZ-CE2-CD2	-6.10	109.02	120.00
2	57	220	PHE	CZ-CE2-CD2	-6.10	109.02	120.00
2	6B	220	PHE	CZ-CE2-CD2	-6.10	109.02	120.00
2	1F	47	ASP	CB-CA-C	-6.10	97.17	109.68
2	1F	53	LYS	CB-CG-CD	-6.10	97.27	111.30
2	1R	76	ILE	CA-C-O	-6.10	115.10	121.93
2	1R	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	1V	76	ILE	CA-C-O	-6.10	115.10	121.93
2	1V	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	1Z	76	ILE	CA-C-O	-6.10	115.10	121.93
2	1Z	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	2N	47	ASP	CB-CA-C	-6.10	97.17	109.68
2	2N	53	LYS	CB-CG-CD	-6.10	97.27	111.30
2	2R	76	ILE	CA-C-O	-6.10	115.10	121.93
2	2R	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	2V	76	ILE	CA-C-O	-6.10	115.10	121.93
2	2V	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	2Z	76	ILE	CA-C-O	-6.10	115.10	121.93
2	2Z	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	23	47	ASP	CB-CA-C	-6.10	97.17	109.68
2	23	53	LYS	CB-CG-CD	-6.10	97.27	111.30
2	3N	47	ASP	CB-CA-C	-6.10	97.17	109.68
2	3N	53	LYS	CB-CG-CD	-6.10	97.27	111.30
2	37	47	ASP	CB-CA-C	-6.10	97.17	109.68
2	37	53	LYS	CB-CG-CD	-6.10	97.27	111.30
2	4J	47	ASP	CB-CA-C	-6.10	97.17	109.68
2	4J	53	LYS	CB-CG-CD	-6.10	97.27	111.30
2	4R	47	ASP	CB-CA-C	-6.10	97.17	109.68
2	4R	53	LYS	CB-CG-CD	-6.10	97.27	111.30
2	43	76	ILE	CA-C-O	-6.10	115.10	121.93
2	43	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	47	76	ILE	CA-C-O	-6.10	115.10	121.93
2	47	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	5B	76	ILE	CA-C-O	-6.10	115.10	121.93
2	5B	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	5Z	47	ASP	CB-CA-C	-6.10	97.17	109.68
2	5Z	53	LYS	CB-CG-CD	-6.10	97.27	111.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	53	76	ILE	CA-C-O	-6.10	115.10	121.93
2	53	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	57	76	ILE	CA-C-O	-6.10	115.10	121.93
2	57	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	6B	76	ILE	CA-C-O	-6.10	115.10	121.93
2	6B	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	6F	47	ASP	CB-CA-C	-6.10	97.17	109.68
2	6F	53	LYS	CB-CG-CD	-6.10	97.27	111.30
2	6Z	47	ASP	CB-CA-C	-6.10	97.17	109.68
2	6Z	53	LYS	CB-CG-CD	-6.10	97.27	111.30
2	7J	47	ASP	CB-CA-C	-6.10	97.17	109.68
2	7J	53	LYS	CB-CG-CD	-6.10	97.27	111.30
2	7V	47	ASP	CB-CA-C	-6.10	97.17	109.68
2	7V	53	LYS	CB-CG-CD	-6.10	97.27	111.30
2	1B	47	ASP	CB-CA-C	-6.10	97.18	109.68
2	1F	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	1J	47	ASP	CB-CA-C	-6.10	97.18	109.68
2	2F	47	ASP	CB-CA-C	-6.10	97.18	109.68
2	2N	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	23	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	27	47	ASP	CB-CA-C	-6.10	97.18	109.68
2	3F	47	ASP	CB-CA-C	-6.10	97.18	109.68
2	3N	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	37	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	4B	47	ASP	CB-CA-C	-6.10	97.18	109.68
2	4J	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	4N	47	ASP	CB-CA-C	-6.10	97.18	109.68
2	4R	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	4V	47	ASP	CB-CA-C	-6.10	97.18	109.68
2	5R	47	ASP	CB-CA-C	-6.10	97.18	109.68
2	5Z	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	6F	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	6J	47	ASP	CB-CA-C	-6.10	97.18	109.68
2	6R	47	ASP	CB-CA-C	-6.10	97.18	109.68
2	6Z	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	7J	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	7N	47	ASP	CB-CA-C	-6.10	97.18	109.68
2	7V	76	ILE	CG1-CB-CG2	6.10	129.00	110.70
2	13	76	ILE	CG1-CB-CG2	6.10	128.99	110.70
2	17	76	ILE	CG1-CB-CG2	6.10	128.99	110.70
2	2B	76	ILE	CG1-CB-CG2	6.10	128.99	110.70
2	3R	76	ILE	CG1-CB-CG2	6.10	128.99	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	76	ILE	CG1-CB-CG2	6.10	128.99	110.70
2	3Z	76	ILE	CG1-CB-CG2	6.10	128.99	110.70
2	5F	76	ILE	CG1-CB-CG2	6.10	128.99	110.70
2	5J	76	ILE	CG1-CB-CG2	6.10	128.99	110.70
2	5N	76	ILE	CG1-CB-CG2	6.10	128.99	110.70
2	63	76	ILE	CG1-CB-CG2	6.10	128.99	110.70
2	67	76	ILE	CG1-CB-CG2	6.10	128.99	110.70
2	7B	76	ILE	CG1-CB-CG2	6.10	128.99	110.70
2	1B	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	1F	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	1J	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	1N	2	GLU	CB-CG-CD	-6.09	102.24	112.60
2	1N	78	HIS	CB-CA-C	-6.09	98.57	109.24
1	12	33	SER	O-C-N	6.09	131.15	122.74
1	16	33	SER	O-C-N	6.09	131.15	122.74
1	2A	33	SER	O-C-N	6.09	131.15	122.74
2	2F	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	2J	2	GLU	CB-CG-CD	-6.09	102.24	112.60
2	2J	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	2N	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	23	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	27	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	3B	2	GLU	CB-CG-CD	-6.09	102.24	112.60
2	3B	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	3F	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	3J	2	GLU	CB-CG-CD	-6.09	102.24	112.60
2	3J	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	3N	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
1	3Q	33	SER	O-C-N	6.09	131.15	122.74
1	3U	33	SER	O-C-N	6.09	131.15	122.74
1	3Y	33	SER	O-C-N	6.09	131.15	122.74
2	33	2	GLU	CB-CG-CD	-6.09	102.24	112.60
2	33	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	37	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	4B	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	4F	2	GLU	CB-CG-CD	-6.09	102.24	112.60
2	4F	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	4J	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	4N	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	4R	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	4V	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	4Z	2	GLU	CB-CG-CD	-6.09	102.24	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4Z	78	HIS	CB-CA-C	-6.09	98.57	109.24
1	5E	33	SER	O-C-N	6.09	131.15	122.74
1	5I	33	SER	O-C-N	6.09	131.15	122.74
1	5M	33	SER	O-C-N	6.09	131.15	122.74
2	5R	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	5V	2	GLU	CB-CG-CD	-6.09	102.24	112.60
2	5V	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	5Z	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	6F	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	6J	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	6N	2	GLU	CB-CG-CD	-6.09	102.24	112.60
2	6N	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	6R	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	6V	2	GLU	CB-CG-CD	-6.09	102.24	112.60
2	6V	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	6Z	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
1	62	33	SER	O-C-N	6.09	131.15	122.74
1	66	33	SER	O-C-N	6.09	131.15	122.74
1	7A	33	SER	O-C-N	6.09	131.15	122.74
2	7F	2	GLU	CB-CG-CD	-6.09	102.24	112.60
2	7F	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	7J	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	7N	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	7R	2	GLU	CB-CG-CD	-6.09	102.24	112.60
2	7R	78	HIS	CB-CA-C	-6.09	98.57	109.24
2	7V	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	1N	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	1N	76	ILE	CG1-CB-CG2	6.09	128.98	110.70
2	1R	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	1V	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	1Z	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	2J	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	2J	76	ILE	CG1-CB-CG2	6.09	128.98	110.70
2	2R	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	2V	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	2Z	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	3B	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	3B	76	ILE	CG1-CB-CG2	6.09	128.98	110.70
2	3J	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	3J	76	ILE	CG1-CB-CG2	6.09	128.98	110.70
2	33	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	33	76	ILE	CG1-CB-CG2	6.09	128.98	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	4F	76	ILE	CG1-CB-CG2	6.09	128.98	110.70
2	4Z	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	4Z	76	ILE	CG1-CB-CG2	6.09	128.98	110.70
2	43	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	47	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	5B	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	5V	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	5V	76	ILE	CG1-CB-CG2	6.09	128.98	110.70
2	53	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	57	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	6B	41	PHE	CE1-CZ-CE2	-6.09	109.03	120.00
2	6N	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	6N	76	ILE	CG1-CB-CG2	6.09	128.98	110.70
2	6V	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	6V	76	ILE	CG1-CB-CG2	6.09	128.98	110.70
2	7F	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	7F	76	ILE	CG1-CB-CG2	6.09	128.98	110.70
2	7R	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	7R	76	ILE	CG1-CB-CG2	6.09	128.98	110.70
2	1B	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	1F	55	PRO	CB-CG-CD	6.09	125.59	106.10
2	1F	78	HIS	CB-CA-C	-6.09	98.58	109.24
2	1F	99	TYR	CB-CA-C	-6.09	98.53	110.10
2	1J	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	1N	99	TYR	CB-CA-C	-6.09	98.52	110.10
2	13	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	17	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	2B	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	2F	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	2J	99	TYR	CB-CA-C	-6.09	98.52	110.10
2	2N	55	PRO	CB-CG-CD	6.09	125.59	106.10
2	2N	78	HIS	CB-CA-C	-6.09	98.58	109.24
2	2N	99	TYR	CB-CA-C	-6.09	98.53	110.10
2	23	55	PRO	CB-CG-CD	6.09	125.59	106.10
2	23	78	HIS	CB-CA-C	-6.09	98.58	109.24
2	23	99	TYR	CB-CA-C	-6.09	98.53	110.10
2	27	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	3B	99	TYR	CB-CA-C	-6.09	98.52	110.10
2	3F	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	3J	99	TYR	CB-CA-C	-6.09	98.52	110.10
2	3N	55	PRO	CB-CG-CD	6.09	125.59	106.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3N	78	HIS	CB-CA-C	-6.09	98.58	109.24
2	3N	99	TYR	CB-CA-C	-6.09	98.53	110.10
2	3R	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	3V	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	3Z	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	33	99	TYR	CB-CA-C	-6.09	98.52	110.10
2	37	55	PRO	CB-CG-CD	6.09	125.59	106.10
2	37	78	HIS	CB-CA-C	-6.09	98.58	109.24
2	37	99	TYR	CB-CA-C	-6.09	98.53	110.10
2	4B	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	4F	99	TYR	CB-CA-C	-6.09	98.52	110.10
2	4J	55	PRO	CB-CG-CD	6.09	125.59	106.10
2	4J	78	HIS	CB-CA-C	-6.09	98.58	109.24
2	4J	99	TYR	CB-CA-C	-6.09	98.53	110.10
2	4N	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	4R	55	PRO	CB-CG-CD	6.09	125.59	106.10
2	4R	78	HIS	CB-CA-C	-6.09	98.58	109.24
2	4R	99	TYR	CB-CA-C	-6.09	98.53	110.10
2	4V	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	4Z	99	TYR	CB-CA-C	-6.09	98.52	110.10
2	5F	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	5J	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	5N	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	5R	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	5V	99	TYR	CB-CA-C	-6.09	98.52	110.10
2	5Z	55	PRO	CB-CG-CD	6.09	125.59	106.10
2	5Z	78	HIS	CB-CA-C	-6.09	98.58	109.24
2	5Z	99	TYR	CB-CA-C	-6.09	98.53	110.10
2	6F	55	PRO	CB-CG-CD	6.09	125.59	106.10
2	6F	78	HIS	CB-CA-C	-6.09	98.58	109.24
2	6F	99	TYR	CB-CA-C	-6.09	98.53	110.10
2	6J	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	6N	99	TYR	CB-CA-C	-6.09	98.52	110.10
2	6R	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	6V	99	TYR	CB-CA-C	-6.09	98.52	110.10
2	6Z	55	PRO	CB-CG-CD	6.09	125.59	106.10
2	6Z	78	HIS	CB-CA-C	-6.09	98.58	109.24
2	6Z	99	TYR	CB-CA-C	-6.09	98.53	110.10
2	63	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	67	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	7B	47	ASP	CB-CA-C	-6.09	97.19	109.68
2	7F	99	TYR	CB-CA-C	-6.09	98.52	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	55	PRO	CB-CG-CD	6.09	125.59	106.10
2	7J	78	HIS	CB-CA-C	-6.09	98.58	109.24
2	7J	99	TYR	CB-CA-C	-6.09	98.53	110.10
2	7N	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	7R	99	TYR	CB-CA-C	-6.09	98.52	110.10
2	7V	55	PRO	CB-CG-CD	6.09	125.59	106.10
2	7V	78	HIS	CB-CA-C	-6.09	98.58	109.24
2	7V	99	TYR	CB-CA-C	-6.09	98.53	110.10
2	1F	76	ILE	CA-C-O	-6.09	115.11	121.93
2	1R	47	ASP	CB-CA-C	-6.09	97.20	109.68
2	1V	47	ASP	CB-CA-C	-6.09	97.20	109.68
2	1Z	47	ASP	CB-CA-C	-6.09	97.20	109.68
2	2N	76	ILE	CA-C-O	-6.09	115.11	121.93
2	2R	47	ASP	CB-CA-C	-6.09	97.20	109.68
2	2V	47	ASP	CB-CA-C	-6.09	97.20	109.68
2	2Z	47	ASP	CB-CA-C	-6.09	97.20	109.68
2	23	76	ILE	CA-C-O	-6.09	115.11	121.93
2	3N	76	ILE	CA-C-O	-6.09	115.11	121.93
2	37	76	ILE	CA-C-O	-6.09	115.11	121.93
2	4J	76	ILE	CA-C-O	-6.09	115.11	121.93
2	4R	76	ILE	CA-C-O	-6.09	115.11	121.93
2	43	47	ASP	CB-CA-C	-6.09	97.20	109.68
2	47	47	ASP	CB-CA-C	-6.09	97.20	109.68
2	5B	47	ASP	CB-CA-C	-6.09	97.20	109.68
2	5Z	76	ILE	CA-C-O	-6.09	115.11	121.93
2	53	47	ASP	CB-CA-C	-6.09	97.20	109.68
2	57	47	ASP	CB-CA-C	-6.09	97.20	109.68
2	6B	47	ASP	CB-CA-C	-6.09	97.20	109.68
2	6F	76	ILE	CA-C-O	-6.09	115.11	121.93
2	6Z	76	ILE	CA-C-O	-6.09	115.11	121.93
2	7J	76	ILE	CA-C-O	-6.09	115.11	121.93
2	7V	76	ILE	CA-C-O	-6.09	115.11	121.93
2	1B	55	PRO	N-CA-C	-6.09	105.60	113.57
2	1F	220	PHE	CZ-CE2-CD2	-6.09	109.05	120.00
2	1J	55	PRO	N-CA-C	-6.09	105.60	113.57
2	1R	55	PRO	N-CA-C	-6.09	105.60	113.57
2	1V	55	PRO	N-CA-C	-6.09	105.60	113.57
2	1Z	55	PRO	N-CA-C	-6.09	105.60	113.57
2	13	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	13	41	PHE	CE1-CZ-CE2	-6.09	109.05	120.00
2	17	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	17	41	PHE	CE1-CZ-CE2	-6.09	109.05	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	2B	41	PHE	CE1-CZ-CE2	-6.09	109.05	120.00
2	2F	55	PRO	N-CA-C	-6.09	105.60	113.57
2	2N	220	PHE	CZ-CE2-CD2	-6.09	109.05	120.00
2	2R	55	PRO	N-CA-C	-6.09	105.60	113.57
2	2V	55	PRO	N-CA-C	-6.09	105.60	113.57
2	2Z	55	PRO	N-CA-C	-6.09	105.60	113.57
2	23	220	PHE	CZ-CE2-CD2	-6.09	109.05	120.00
2	27	55	PRO	N-CA-C	-6.09	105.60	113.57
2	3F	55	PRO	N-CA-C	-6.09	105.60	113.57
2	3N	220	PHE	CZ-CE2-CD2	-6.09	109.05	120.00
2	3R	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	3R	41	PHE	CE1-CZ-CE2	-6.09	109.05	120.00
2	3V	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	3V	41	PHE	CE1-CZ-CE2	-6.09	109.05	120.00
2	3Z	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	3Z	41	PHE	CE1-CZ-CE2	-6.09	109.05	120.00
2	37	220	PHE	CZ-CE2-CD2	-6.09	109.05	120.00
2	4B	55	PRO	N-CA-C	-6.09	105.60	113.57
2	4J	220	PHE	CZ-CE2-CD2	-6.09	109.05	120.00
2	4N	55	PRO	N-CA-C	-6.09	105.60	113.57
2	4R	220	PHE	CZ-CE2-CD2	-6.09	109.05	120.00
2	4V	55	PRO	N-CA-C	-6.09	105.60	113.57
2	43	55	PRO	N-CA-C	-6.09	105.60	113.57
2	47	55	PRO	N-CA-C	-6.09	105.60	113.57
2	5B	55	PRO	N-CA-C	-6.09	105.60	113.57
2	5F	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	5F	41	PHE	CE1-CZ-CE2	-6.09	109.05	120.00
2	5J	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	5J	41	PHE	CE1-CZ-CE2	-6.09	109.05	120.00
2	5N	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	5N	41	PHE	CE1-CZ-CE2	-6.09	109.05	120.00
2	5R	55	PRO	N-CA-C	-6.09	105.60	113.57
2	5Z	220	PHE	CZ-CE2-CD2	-6.09	109.05	120.00
2	53	55	PRO	N-CA-C	-6.09	105.60	113.57
2	57	55	PRO	N-CA-C	-6.09	105.60	113.57
2	6B	55	PRO	N-CA-C	-6.09	105.60	113.57
2	6F	220	PHE	CZ-CE2-CD2	-6.09	109.05	120.00
2	6J	55	PRO	N-CA-C	-6.09	105.60	113.57
2	6R	55	PRO	N-CA-C	-6.09	105.60	113.57
2	6Z	220	PHE	CZ-CE2-CD2	-6.09	109.05	120.00
2	63	2	GLU	CB-CG-CD	-6.09	102.25	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	63	41	PHE	CE1-CZ-CE2	-6.09	109.05	120.00
2	67	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	67	41	PHE	CE1-CZ-CE2	-6.09	109.05	120.00
2	7B	2	GLU	CB-CG-CD	-6.09	102.25	112.60
2	7B	41	PHE	CE1-CZ-CE2	-6.09	109.05	120.00
2	7J	220	PHE	CZ-CE2-CD2	-6.09	109.05	120.00
2	7N	55	PRO	N-CA-C	-6.09	105.60	113.57
2	7V	220	PHE	CZ-CE2-CD2	-6.09	109.05	120.00
2	1B	76	ILE	CA-C-O	-6.08	115.11	121.93
2	1J	76	ILE	CA-C-O	-6.08	115.11	121.93
2	2F	76	ILE	CA-C-O	-6.08	115.11	121.93
2	27	76	ILE	CA-C-O	-6.08	115.11	121.93
2	3F	76	ILE	CA-C-O	-6.08	115.11	121.93
2	4B	76	ILE	CA-C-O	-6.08	115.11	121.93
2	4N	76	ILE	CA-C-O	-6.08	115.11	121.93
2	4V	76	ILE	CA-C-O	-6.08	115.11	121.93
2	5R	76	ILE	CA-C-O	-6.08	115.11	121.93
2	6J	76	ILE	CA-C-O	-6.08	115.11	121.93
2	6R	76	ILE	CA-C-O	-6.08	115.11	121.93
2	7N	76	ILE	CA-C-O	-6.08	115.11	121.93
2	1B	41	PHE	CE1-CZ-CE2	-6.08	109.05	120.00
2	1F	55	PRO	N-CA-C	-6.08	105.60	113.57
2	1J	41	PHE	CE1-CZ-CE2	-6.08	109.05	120.00
2	1N	55	PRO	CB-CG-CD	6.08	125.57	106.10
2	2F	41	PHE	CE1-CZ-CE2	-6.08	109.05	120.00
2	2J	55	PRO	CB-CG-CD	6.08	125.57	106.10
2	2N	55	PRO	N-CA-C	-6.08	105.60	113.57
2	23	55	PRO	N-CA-C	-6.08	105.60	113.57
2	27	41	PHE	CE1-CZ-CE2	-6.08	109.05	120.00
2	3B	55	PRO	CB-CG-CD	6.08	125.57	106.10
2	3F	41	PHE	CE1-CZ-CE2	-6.08	109.05	120.00
2	3J	55	PRO	CB-CG-CD	6.08	125.57	106.10
2	3N	55	PRO	N-CA-C	-6.08	105.60	113.57
2	33	55	PRO	CB-CG-CD	6.08	125.57	106.10
2	37	55	PRO	N-CA-C	-6.08	105.60	113.57
2	4B	41	PHE	CE1-CZ-CE2	-6.08	109.05	120.00
2	4F	55	PRO	CB-CG-CD	6.08	125.57	106.10
2	4J	55	PRO	N-CA-C	-6.08	105.60	113.57
2	4N	41	PHE	CE1-CZ-CE2	-6.08	109.05	120.00
2	4R	55	PRO	N-CA-C	-6.08	105.60	113.57
2	4V	41	PHE	CE1-CZ-CE2	-6.08	109.05	120.00
2	4Z	55	PRO	CB-CG-CD	6.08	125.57	106.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5R	41	PHE	CE1-CZ-CE2	-6.08	109.05	120.00
2	5V	55	PRO	CB-CG-CD	6.08	125.57	106.10
2	5Z	55	PRO	N-CA-C	-6.08	105.60	113.57
2	6F	55	PRO	N-CA-C	-6.08	105.60	113.57
2	6J	41	PHE	CE1-CZ-CE2	-6.08	109.05	120.00
2	6N	55	PRO	CB-CG-CD	6.08	125.57	106.10
2	6R	41	PHE	CE1-CZ-CE2	-6.08	109.05	120.00
2	6V	55	PRO	CB-CG-CD	6.08	125.57	106.10
2	6Z	55	PRO	N-CA-C	-6.08	105.60	113.57
2	7F	55	PRO	CB-CG-CD	6.08	125.57	106.10
2	7J	55	PRO	N-CA-C	-6.08	105.60	113.57
2	7N	41	PHE	CE1-CZ-CE2	-6.08	109.05	120.00
2	7R	55	PRO	CB-CG-CD	6.08	125.57	106.10
2	7V	55	PRO	N-CA-C	-6.08	105.60	113.57
1	1A	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	1B	38	VAL	CA-C-O	6.08	127.30	120.85
2	1B	55	PRO	CB-CG-CD	6.08	125.56	106.10
1	1E	33	SER	O-C-N	6.08	131.13	122.74
1	1I	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	1J	38	VAL	CA-C-O	6.08	127.30	120.85
2	1J	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	1N	41	PHE	CE1-CZ-CE2	-6.08	109.06	120.00
1	2E	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	2F	38	VAL	CA-C-O	6.08	127.30	120.85
2	2F	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	2J	41	PHE	CE1-CZ-CE2	-6.08	109.06	120.00
1	2M	33	SER	O-C-N	6.08	131.13	122.74
1	22	33	SER	O-C-N	6.08	131.13	122.74
1	26	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	27	38	VAL	CA-C-O	6.08	127.30	120.85
2	27	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	3B	41	PHE	CE1-CZ-CE2	-6.08	109.06	120.00
1	3E	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	3F	38	VAL	CA-C-O	6.08	127.30	120.85
2	3F	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	3J	41	PHE	CE1-CZ-CE2	-6.08	109.06	120.00
1	3M	33	SER	O-C-N	6.08	131.13	122.74
2	33	41	PHE	CE1-CZ-CE2	-6.08	109.06	120.00
1	36	33	SER	O-C-N	6.08	131.13	122.74
1	4A	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	4B	38	VAL	CA-C-O	6.08	127.30	120.85
2	4B	55	PRO	CB-CG-CD	6.08	125.56	106.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	41	PHE	CE1-CZ-CE2	-6.08	109.06	120.00
1	4I	33	SER	O-C-N	6.08	131.13	122.74
1	4M	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	4N	38	VAL	CA-C-O	6.08	127.30	120.85
2	4N	55	PRO	CB-CG-CD	6.08	125.56	106.10
1	4Q	33	SER	O-C-N	6.08	131.13	122.74
1	4U	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	4V	38	VAL	CA-C-O	6.08	127.30	120.85
2	4V	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	4Z	41	PHE	CE1-CZ-CE2	-6.08	109.06	120.00
1	5Q	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	5R	38	VAL	CA-C-O	6.08	127.30	120.85
2	5R	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	5V	41	PHE	CE1-CZ-CE2	-6.08	109.06	120.00
1	5Y	33	SER	O-C-N	6.08	131.13	122.74
1	6E	33	SER	O-C-N	6.08	131.13	122.74
1	6I	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	6J	38	VAL	CA-C-O	6.08	127.30	120.85
2	6J	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	6N	41	PHE	CE1-CZ-CE2	-6.08	109.06	120.00
1	6Q	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	6R	38	VAL	CA-C-O	6.08	127.30	120.85
2	6R	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	6V	41	PHE	CE1-CZ-CE2	-6.08	109.06	120.00
1	6Y	33	SER	O-C-N	6.08	131.13	122.74
2	7F	41	PHE	CE1-CZ-CE2	-6.08	109.06	120.00
1	7I	33	SER	O-C-N	6.08	131.13	122.74
1	7M	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	7N	38	VAL	CA-C-O	6.08	127.30	120.85
2	7N	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	7R	41	PHE	CE1-CZ-CE2	-6.08	109.06	120.00
1	7U	33	SER	O-C-N	6.08	131.13	122.74
2	13	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	13	55	PRO	N-CA-C	-6.08	105.61	113.57
2	17	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	17	55	PRO	N-CA-C	-6.08	105.61	113.57
2	2B	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	2B	55	PRO	N-CA-C	-6.08	105.61	113.57
2	3R	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	3R	55	PRO	N-CA-C	-6.08	105.61	113.57
2	3V	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	3V	55	PRO	N-CA-C	-6.08	105.61	113.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3Z	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	3Z	55	PRO	N-CA-C	-6.08	105.61	113.57
2	5F	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	5F	55	PRO	N-CA-C	-6.08	105.61	113.57
2	5J	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	5J	55	PRO	N-CA-C	-6.08	105.61	113.57
2	5N	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	5N	55	PRO	N-CA-C	-6.08	105.61	113.57
2	63	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	63	55	PRO	N-CA-C	-6.08	105.61	113.57
2	67	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	67	55	PRO	N-CA-C	-6.08	105.61	113.57
2	7B	55	PRO	CB-CG-CD	6.08	125.56	106.10
2	7B	55	PRO	N-CA-C	-6.08	105.61	113.57
1	1E	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	1F	2	GLU	CB-CG-CD	-6.08	102.27	112.60
2	13	99	TYR	CB-CA-C	-6.08	98.55	110.10
2	17	99	TYR	CB-CA-C	-6.08	98.55	110.10
2	2B	99	TYR	CB-CA-C	-6.08	98.55	110.10
1	2M	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	2N	2	GLU	CB-CG-CD	-6.08	102.27	112.60
1	22	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	23	2	GLU	CB-CG-CD	-6.08	102.27	112.60
1	3M	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	3N	2	GLU	CB-CG-CD	-6.08	102.27	112.60
2	3R	99	TYR	CB-CA-C	-6.08	98.55	110.10
2	3V	99	TYR	CB-CA-C	-6.08	98.55	110.10
2	3Z	99	TYR	CB-CA-C	-6.08	98.55	110.10
1	36	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	37	2	GLU	CB-CG-CD	-6.08	102.27	112.60
1	4I	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	4J	2	GLU	CB-CG-CD	-6.08	102.27	112.60
1	4Q	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	4R	2	GLU	CB-CG-CD	-6.08	102.27	112.60
2	5F	99	TYR	CB-CA-C	-6.08	98.55	110.10
2	5J	99	TYR	CB-CA-C	-6.08	98.55	110.10
2	5N	99	TYR	CB-CA-C	-6.08	98.55	110.10
1	5Y	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	5Z	2	GLU	CB-CG-CD	-6.08	102.27	112.60
1	6E	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	6F	2	GLU	CB-CG-CD	-6.08	102.27	112.60
1	6Y	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6Z	2	GLU	CB-CG-CD	-6.08	102.27	112.60
2	63	99	TYR	CB-CA-C	-6.08	98.55	110.10
2	67	99	TYR	CB-CA-C	-6.08	98.55	110.10
2	7B	99	TYR	CB-CA-C	-6.08	98.55	110.10
1	7I	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	7J	2	GLU	CB-CG-CD	-6.08	102.27	112.60
1	7U	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	7V	2	GLU	CB-CG-CD	-6.08	102.27	112.60
1	1M	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
1	1Q	52	PHE	CD1-CE1-CZ	-6.08	109.07	120.00
1	1U	52	PHE	CD1-CE1-CZ	-6.08	109.07	120.00
1	1Y	52	PHE	CD1-CE1-CZ	-6.08	109.07	120.00
1	2I	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
1	2Q	52	PHE	CD1-CE1-CZ	-6.08	109.07	120.00
1	2U	52	PHE	CD1-CE1-CZ	-6.08	109.07	120.00
1	2Y	52	PHE	CD1-CE1-CZ	-6.08	109.07	120.00
1	3A	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
1	3I	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
1	32	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
1	4E	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
1	4Y	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
1	42	52	PHE	CD1-CE1-CZ	-6.08	109.07	120.00
1	46	52	PHE	CD1-CE1-CZ	-6.08	109.07	120.00
1	5A	52	PHE	CD1-CE1-CZ	-6.08	109.07	120.00
1	5U	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
1	52	52	PHE	CD1-CE1-CZ	-6.08	109.07	120.00
1	56	52	PHE	CD1-CE1-CZ	-6.08	109.07	120.00
1	6A	52	PHE	CD1-CE1-CZ	-6.08	109.07	120.00
1	6M	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
1	6U	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
1	7E	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
1	7Q	52	PHE	CD1-CE1-CZ	-6.08	109.06	120.00
2	1N	76	ILE	CA-C-O	-6.07	115.13	121.93
2	13	38	VAL	CA-C-O	6.07	127.29	120.85
2	17	38	VAL	CA-C-O	6.07	127.29	120.85
2	2B	38	VAL	CA-C-O	6.07	127.29	120.85
2	2J	76	ILE	CA-C-O	-6.07	115.13	121.93
2	3B	76	ILE	CA-C-O	-6.07	115.13	121.93
2	3J	76	ILE	CA-C-O	-6.07	115.13	121.93
2	3R	38	VAL	CA-C-O	6.07	127.29	120.85
2	3V	38	VAL	CA-C-O	6.07	127.29	120.85
2	3Z	38	VAL	CA-C-O	6.07	127.29	120.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	76	ILE	CA-C-O	-6.07	115.13	121.93
2	4F	76	ILE	CA-C-O	-6.07	115.13	121.93
2	4Z	76	ILE	CA-C-O	-6.07	115.13	121.93
2	5F	38	VAL	CA-C-O	6.07	127.29	120.85
2	5J	38	VAL	CA-C-O	6.07	127.29	120.85
2	5N	38	VAL	CA-C-O	6.07	127.29	120.85
2	5V	76	ILE	CA-C-O	-6.07	115.13	121.93
2	6N	76	ILE	CA-C-O	-6.07	115.13	121.93
2	6V	76	ILE	CA-C-O	-6.07	115.13	121.93
2	63	38	VAL	CA-C-O	6.07	127.29	120.85
2	67	38	VAL	CA-C-O	6.07	127.29	120.85
2	7B	38	VAL	CA-C-O	6.07	127.29	120.85
2	7F	76	ILE	CA-C-O	-6.07	115.13	121.93
2	7R	76	ILE	CA-C-O	-6.07	115.13	121.93
2	1R	55	PRO	CB-CG-CD	6.07	125.53	106.10
2	1V	55	PRO	CB-CG-CD	6.07	125.53	106.10
2	1Z	55	PRO	CB-CG-CD	6.07	125.53	106.10
2	2R	55	PRO	CB-CG-CD	6.07	125.53	106.10
2	2V	55	PRO	CB-CG-CD	6.07	125.53	106.10
2	2Z	55	PRO	CB-CG-CD	6.07	125.53	106.10
2	43	55	PRO	CB-CG-CD	6.07	125.53	106.10
2	47	55	PRO	CB-CG-CD	6.07	125.53	106.10
2	5B	55	PRO	CB-CG-CD	6.07	125.53	106.10
2	53	55	PRO	CB-CG-CD	6.07	125.53	106.10
2	57	55	PRO	CB-CG-CD	6.07	125.53	106.10
2	6B	55	PRO	CB-CG-CD	6.07	125.53	106.10
1	12	52	PHE	CD1-CE1-CZ	-6.07	109.07	120.00
1	16	52	PHE	CD1-CE1-CZ	-6.07	109.07	120.00
1	2A	52	PHE	CD1-CE1-CZ	-6.07	109.07	120.00
1	3Q	52	PHE	CD1-CE1-CZ	-6.07	109.07	120.00
1	3U	52	PHE	CD1-CE1-CZ	-6.07	109.07	120.00
1	3Y	52	PHE	CD1-CE1-CZ	-6.07	109.07	120.00
1	5E	52	PHE	CD1-CE1-CZ	-6.07	109.07	120.00
1	5I	52	PHE	CD1-CE1-CZ	-6.07	109.07	120.00
1	5M	52	PHE	CD1-CE1-CZ	-6.07	109.07	120.00
1	62	52	PHE	CD1-CE1-CZ	-6.07	109.07	120.00
1	66	52	PHE	CD1-CE1-CZ	-6.07	109.07	120.00
1	7A	52	PHE	CD1-CE1-CZ	-6.07	109.07	120.00
2	1R	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	1V	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	1Z	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	2R	99	TYR	CB-CA-C	-6.07	98.57	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	2Z	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	43	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	47	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	5B	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	53	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	57	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	6B	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	1B	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	1J	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	1N	38	VAL	CA-C-O	6.07	127.28	120.85
2	2F	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	2J	38	VAL	CA-C-O	6.07	127.28	120.85
2	27	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	3B	38	VAL	CA-C-O	6.07	127.28	120.85
2	3F	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	3J	38	VAL	CA-C-O	6.07	127.28	120.85
2	33	38	VAL	CA-C-O	6.07	127.28	120.85
2	4B	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	4F	38	VAL	CA-C-O	6.07	127.28	120.85
2	4N	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	4V	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	4Z	38	VAL	CA-C-O	6.07	127.28	120.85
2	5R	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	5V	38	VAL	CA-C-O	6.07	127.28	120.85
2	6J	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	6N	38	VAL	CA-C-O	6.07	127.28	120.85
2	6R	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	6V	38	VAL	CA-C-O	6.07	127.28	120.85
2	7F	38	VAL	CA-C-O	6.07	127.28	120.85
2	7N	99	TYR	CB-CA-C	-6.07	98.57	110.10
2	7R	38	VAL	CA-C-O	6.07	127.28	120.85
1	1Q	33	SER	O-C-N	6.07	131.11	122.74
1	1U	33	SER	O-C-N	6.07	131.11	122.74
1	1Y	33	SER	O-C-N	6.07	131.11	122.74
1	2Q	33	SER	O-C-N	6.07	131.11	122.74
1	2U	33	SER	O-C-N	6.07	131.11	122.74
1	2Y	33	SER	O-C-N	6.07	131.11	122.74
1	42	33	SER	O-C-N	6.07	131.11	122.74
1	46	33	SER	O-C-N	6.07	131.11	122.74
1	5A	33	SER	O-C-N	6.07	131.11	122.74
1	52	33	SER	O-C-N	6.07	131.11	122.74

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	33	SER	O-C-N	6.07	131.11	122.74
1	6A	33	SER	O-C-N	6.07	131.11	122.74
2	1F	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	1R	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	1R	38	VAL	CA-C-O	6.06	127.28	120.85
2	1V	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	1V	38	VAL	CA-C-O	6.06	127.28	120.85
2	1Z	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	1Z	38	VAL	CA-C-O	6.06	127.28	120.85
2	2N	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	2R	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	2R	38	VAL	CA-C-O	6.06	127.28	120.85
2	2V	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	2V	38	VAL	CA-C-O	6.06	127.28	120.85
2	2Z	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	2Z	38	VAL	CA-C-O	6.06	127.28	120.85
2	23	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	3N	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	37	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	4J	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	4R	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	43	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	43	38	VAL	CA-C-O	6.06	127.28	120.85
2	47	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	47	38	VAL	CA-C-O	6.06	127.28	120.85
2	5B	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	5B	38	VAL	CA-C-O	6.06	127.28	120.85
2	5Z	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	53	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	53	38	VAL	CA-C-O	6.06	127.28	120.85
2	57	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	57	38	VAL	CA-C-O	6.06	127.28	120.85
2	6B	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	6B	38	VAL	CA-C-O	6.06	127.28	120.85
2	6F	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	6Z	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	7J	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	7V	3	PRO	CA-CB-CG	-6.06	92.98	104.50
2	1N	55	PRO	N-CA-C	-6.06	105.63	113.57
2	2J	55	PRO	N-CA-C	-6.06	105.63	113.57
2	3B	55	PRO	N-CA-C	-6.06	105.63	113.57
2	3J	55	PRO	N-CA-C	-6.06	105.63	113.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	55	PRO	N-CA-C	-6.06	105.63	113.57
2	4F	55	PRO	N-CA-C	-6.06	105.63	113.57
2	4Z	55	PRO	N-CA-C	-6.06	105.63	113.57
2	5V	55	PRO	N-CA-C	-6.06	105.63	113.57
2	6N	55	PRO	N-CA-C	-6.06	105.63	113.57
2	6V	55	PRO	N-CA-C	-6.06	105.63	113.57
2	7F	55	PRO	N-CA-C	-6.06	105.63	113.57
2	7R	55	PRO	N-CA-C	-6.06	105.63	113.57
2	1B	3	PRO	CA-CB-CG	-6.05	93.00	104.50
2	1F	38	VAL	CA-C-O	6.05	127.27	120.85
2	1J	3	PRO	CA-CB-CG	-6.05	93.00	104.50
2	2F	3	PRO	CA-CB-CG	-6.05	93.00	104.50
2	2N	38	VAL	CA-C-O	6.05	127.27	120.85
2	23	38	VAL	CA-C-O	6.05	127.27	120.85
2	27	3	PRO	CA-CB-CG	-6.05	93.00	104.50
2	3F	3	PRO	CA-CB-CG	-6.05	93.00	104.50
2	3N	38	VAL	CA-C-O	6.05	127.27	120.85
2	37	38	VAL	CA-C-O	6.05	127.27	120.85
2	4B	3	PRO	CA-CB-CG	-6.05	93.00	104.50
2	4J	38	VAL	CA-C-O	6.05	127.27	120.85
2	4N	3	PRO	CA-CB-CG	-6.05	93.00	104.50
2	4R	38	VAL	CA-C-O	6.05	127.27	120.85
2	4V	3	PRO	CA-CB-CG	-6.05	93.00	104.50
2	5R	3	PRO	CA-CB-CG	-6.05	93.00	104.50
2	5Z	38	VAL	CA-C-O	6.05	127.27	120.85
2	6F	38	VAL	CA-C-O	6.05	127.27	120.85
2	6J	3	PRO	CA-CB-CG	-6.05	93.00	104.50
2	6R	3	PRO	CA-CB-CG	-6.05	93.00	104.50
2	6Z	38	VAL	CA-C-O	6.05	127.27	120.85
2	7J	38	VAL	CA-C-O	6.05	127.27	120.85
2	7N	3	PRO	CA-CB-CG	-6.05	93.00	104.50
2	7V	38	VAL	CA-C-O	6.05	127.27	120.85
1	1A	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	1E	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	1I	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	1M	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
2	1N	3	PRO	CA-CB-CG	-6.05	93.01	104.50
1	2E	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	2I	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
2	2J	3	PRO	CA-CB-CG	-6.05	93.01	104.50
1	2M	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	22	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	26	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	3A	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
2	3B	3	PRO	CA-CB-CG	-6.05	93.01	104.50
1	3E	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	3I	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
2	3J	3	PRO	CA-CB-CG	-6.05	93.01	104.50
1	3M	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	32	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
2	33	3	PRO	CA-CB-CG	-6.05	93.01	104.50
1	36	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	4A	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	4E	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
2	4F	3	PRO	CA-CB-CG	-6.05	93.01	104.50
1	4I	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	4M	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	4Q	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	4U	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	4Y	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
2	4Z	3	PRO	CA-CB-CG	-6.05	93.01	104.50
1	5Q	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	5U	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
2	5V	3	PRO	CA-CB-CG	-6.05	93.01	104.50
1	5Y	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	6E	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	6I	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	6M	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
2	6N	3	PRO	CA-CB-CG	-6.05	93.01	104.50
1	6Q	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	6U	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
2	6V	3	PRO	CA-CB-CG	-6.05	93.01	104.50
1	6Y	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	7E	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
2	7F	3	PRO	CA-CB-CG	-6.05	93.01	104.50
1	7I	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	7M	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
1	7Q	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
2	7R	3	PRO	CA-CB-CG	-6.05	93.01	104.50
1	7U	182	PHE	CD1-CE1-CZ	-6.05	109.11	120.00
2	13	3	PRO	CA-CB-CG	-6.05	93.01	104.50
2	13	47	ASP	CA-C-N	-6.05	115.01	122.93
2	13	47	ASP	C-N-CA	-6.05	115.01	122.93
2	17	3	PRO	CA-CB-CG	-6.05	93.01	104.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	17	47	ASP	CA-C-N	-6.05	115.01	122.93
2	17	47	ASP	C-N-CA	-6.05	115.01	122.93
2	2B	3	PRO	CA-CB-CG	-6.05	93.01	104.50
2	2B	47	ASP	CA-C-N	-6.05	115.01	122.93
2	2B	47	ASP	C-N-CA	-6.05	115.01	122.93
2	3R	3	PRO	CA-CB-CG	-6.05	93.01	104.50
2	3R	47	ASP	CA-C-N	-6.05	115.01	122.93
2	3R	47	ASP	C-N-CA	-6.05	115.01	122.93
2	3V	3	PRO	CA-CB-CG	-6.05	93.01	104.50
2	3V	47	ASP	CA-C-N	-6.05	115.01	122.93
2	3V	47	ASP	C-N-CA	-6.05	115.01	122.93
2	3Z	3	PRO	CA-CB-CG	-6.05	93.01	104.50
2	3Z	47	ASP	CA-C-N	-6.05	115.01	122.93
2	3Z	47	ASP	C-N-CA	-6.05	115.01	122.93
2	5F	3	PRO	CA-CB-CG	-6.05	93.01	104.50
2	5F	47	ASP	CA-C-N	-6.05	115.01	122.93
2	5F	47	ASP	C-N-CA	-6.05	115.01	122.93
2	5J	3	PRO	CA-CB-CG	-6.05	93.01	104.50
2	5J	47	ASP	CA-C-N	-6.05	115.01	122.93
2	5J	47	ASP	C-N-CA	-6.05	115.01	122.93
2	5N	3	PRO	CA-CB-CG	-6.05	93.01	104.50
2	5N	47	ASP	CA-C-N	-6.05	115.01	122.93
2	5N	47	ASP	C-N-CA	-6.05	115.01	122.93
2	63	3	PRO	CA-CB-CG	-6.05	93.01	104.50
2	63	47	ASP	CA-C-N	-6.05	115.01	122.93
2	63	47	ASP	C-N-CA	-6.05	115.01	122.93
2	67	3	PRO	CA-CB-CG	-6.05	93.01	104.50
2	67	47	ASP	CA-C-N	-6.05	115.01	122.93
2	67	47	ASP	C-N-CA	-6.05	115.01	122.93
2	7B	3	PRO	CA-CB-CG	-6.05	93.01	104.50
2	7B	47	ASP	CA-C-N	-6.05	115.01	122.93
2	7B	47	ASP	C-N-CA	-6.05	115.01	122.93
2	1F	35	PHE	O-C-N	6.04	129.75	122.68
2	2N	35	PHE	O-C-N	6.04	129.75	122.68
2	23	35	PHE	O-C-N	6.04	129.75	122.68
2	3N	35	PHE	O-C-N	6.04	129.75	122.68
2	37	35	PHE	O-C-N	6.04	129.75	122.68
2	4J	35	PHE	O-C-N	6.04	129.75	122.68
2	4R	35	PHE	O-C-N	6.04	129.75	122.68
2	5Z	35	PHE	O-C-N	6.04	129.75	122.68
2	6F	35	PHE	O-C-N	6.04	129.75	122.68
2	6Z	35	PHE	O-C-N	6.04	129.75	122.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	35	PHE	O-C-N	6.04	129.75	122.68
2	7V	35	PHE	O-C-N	6.04	129.75	122.68
2	1F	51	GLY	O-C-N	6.04	129.41	122.34
1	1Q	95	THR	N-CA-CB	-6.04	100.26	110.41
1	1U	95	THR	N-CA-CB	-6.04	100.26	110.41
1	1Y	95	THR	N-CA-CB	-6.04	100.26	110.41
2	2N	51	GLY	O-C-N	6.04	129.41	122.34
1	2Q	95	THR	N-CA-CB	-6.04	100.26	110.41
1	2U	95	THR	N-CA-CB	-6.04	100.26	110.41
1	2Y	95	THR	N-CA-CB	-6.04	100.26	110.41
2	23	51	GLY	O-C-N	6.04	129.41	122.34
2	3N	51	GLY	O-C-N	6.04	129.41	122.34
2	37	51	GLY	O-C-N	6.04	129.41	122.34
2	4J	51	GLY	O-C-N	6.04	129.41	122.34
2	4R	51	GLY	O-C-N	6.04	129.41	122.34
1	42	95	THR	N-CA-CB	-6.04	100.26	110.41
1	46	95	THR	N-CA-CB	-6.04	100.26	110.41
1	5A	95	THR	N-CA-CB	-6.04	100.26	110.41
2	5Z	51	GLY	O-C-N	6.04	129.41	122.34
1	52	95	THR	N-CA-CB	-6.04	100.26	110.41
1	56	95	THR	N-CA-CB	-6.04	100.26	110.41
1	6A	95	THR	N-CA-CB	-6.04	100.26	110.41
2	6F	51	GLY	O-C-N	6.04	129.41	122.34
2	6Z	51	GLY	O-C-N	6.04	129.41	122.34
2	7J	51	GLY	O-C-N	6.04	129.41	122.34
2	7V	51	GLY	O-C-N	6.04	129.41	122.34
1	1M	96	ASP	CB-CA-C	-6.04	103.16	111.73
1	2I	96	ASP	CB-CA-C	-6.04	103.16	111.73
1	3A	96	ASP	CB-CA-C	-6.04	103.16	111.73
1	3I	96	ASP	CB-CA-C	-6.04	103.16	111.73
1	32	96	ASP	CB-CA-C	-6.04	103.16	111.73
1	4E	96	ASP	CB-CA-C	-6.04	103.16	111.73
1	4Y	96	ASP	CB-CA-C	-6.04	103.16	111.73
1	5U	96	ASP	CB-CA-C	-6.04	103.16	111.73
1	6M	96	ASP	CB-CA-C	-6.04	103.16	111.73
1	6U	96	ASP	CB-CA-C	-6.04	103.16	111.73
1	7E	96	ASP	CB-CA-C	-6.04	103.16	111.73
1	7Q	96	ASP	CB-CA-C	-6.04	103.16	111.73
1	1M	95	THR	N-CA-CB	-6.03	100.28	110.41
2	1N	51	GLY	O-C-N	6.03	129.40	122.34
1	2I	95	THR	N-CA-CB	-6.03	100.28	110.41
2	2J	51	GLY	O-C-N	6.03	129.40	122.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3A	95	THR	N-CA-CB	-6.03	100.28	110.41
2	3B	51	GLY	O-C-N	6.03	129.40	122.34
1	3I	95	THR	N-CA-CB	-6.03	100.28	110.41
2	3J	51	GLY	O-C-N	6.03	129.40	122.34
1	32	95	THR	N-CA-CB	-6.03	100.28	110.41
2	33	51	GLY	O-C-N	6.03	129.40	122.34
1	4E	95	THR	N-CA-CB	-6.03	100.28	110.41
2	4F	51	GLY	O-C-N	6.03	129.40	122.34
1	4Y	95	THR	N-CA-CB	-6.03	100.28	110.41
2	4Z	51	GLY	O-C-N	6.03	129.40	122.34
1	5U	95	THR	N-CA-CB	-6.03	100.28	110.41
2	5V	51	GLY	O-C-N	6.03	129.40	122.34
1	6M	95	THR	N-CA-CB	-6.03	100.28	110.41
2	6N	51	GLY	O-C-N	6.03	129.40	122.34
1	6U	95	THR	N-CA-CB	-6.03	100.28	110.41
2	6V	51	GLY	O-C-N	6.03	129.40	122.34
1	7E	95	THR	N-CA-CB	-6.03	100.28	110.41
2	7F	51	GLY	O-C-N	6.03	129.40	122.34
1	7Q	95	THR	N-CA-CB	-6.03	100.28	110.41
2	7R	51	GLY	O-C-N	6.03	129.40	122.34
2	1B	47	ASP	CA-C-N	-6.03	115.03	122.93
2	1B	47	ASP	C-N-CA	-6.03	115.03	122.93
2	1J	47	ASP	CA-C-N	-6.03	115.03	122.93
2	1J	47	ASP	C-N-CA	-6.03	115.03	122.93
1	1M	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	2F	47	ASP	CA-C-N	-6.03	115.03	122.93
2	2F	47	ASP	C-N-CA	-6.03	115.03	122.93
1	2I	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	27	47	ASP	CA-C-N	-6.03	115.03	122.93
2	27	47	ASP	C-N-CA	-6.03	115.03	122.93
1	3A	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	3F	47	ASP	CA-C-N	-6.03	115.03	122.93
2	3F	47	ASP	C-N-CA	-6.03	115.03	122.93
1	3I	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	32	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	4B	47	ASP	CA-C-N	-6.03	115.03	122.93
2	4B	47	ASP	C-N-CA	-6.03	115.03	122.93
1	4E	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	4N	47	ASP	CA-C-N	-6.03	115.03	122.93
2	4N	47	ASP	C-N-CA	-6.03	115.03	122.93
2	4V	47	ASP	CA-C-N	-6.03	115.03	122.93
2	4V	47	ASP	C-N-CA	-6.03	115.03	122.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4Y	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	5R	47	ASP	CA-C-N	-6.03	115.03	122.93
2	5R	47	ASP	C-N-CA	-6.03	115.03	122.93
1	5U	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	6J	47	ASP	CA-C-N	-6.03	115.03	122.93
2	6J	47	ASP	C-N-CA	-6.03	115.03	122.93
1	6M	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	6R	47	ASP	CA-C-N	-6.03	115.03	122.93
2	6R	47	ASP	C-N-CA	-6.03	115.03	122.93
1	6U	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	7E	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	7N	47	ASP	CA-C-N	-6.03	115.03	122.93
2	7N	47	ASP	C-N-CA	-6.03	115.03	122.93
1	7Q	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	1E	95	THR	N-CA-CB	-6.03	100.28	110.41
2	1R	47	ASP	CA-C-N	-6.03	115.03	122.93
2	1R	47	ASP	C-N-CA	-6.03	115.03	122.93
2	1V	47	ASP	CA-C-N	-6.03	115.03	122.93
2	1V	47	ASP	C-N-CA	-6.03	115.03	122.93
2	1Z	47	ASP	CA-C-N	-6.03	115.03	122.93
2	1Z	47	ASP	C-N-CA	-6.03	115.03	122.93
1	12	95	THR	N-CA-CB	-6.03	100.28	110.41
1	16	95	THR	N-CA-CB	-6.03	100.28	110.41
1	2A	95	THR	N-CA-CB	-6.03	100.28	110.41
1	2M	95	THR	N-CA-CB	-6.03	100.28	110.41
2	2R	47	ASP	CA-C-N	-6.03	115.03	122.93
2	2R	47	ASP	C-N-CA	-6.03	115.03	122.93
2	2V	47	ASP	CA-C-N	-6.03	115.03	122.93
2	2V	47	ASP	C-N-CA	-6.03	115.03	122.93
2	2Z	47	ASP	CA-C-N	-6.03	115.03	122.93
2	2Z	47	ASP	C-N-CA	-6.03	115.03	122.93
1	22	95	THR	N-CA-CB	-6.03	100.28	110.41
1	3M	95	THR	N-CA-CB	-6.03	100.28	110.41
1	3Q	95	THR	N-CA-CB	-6.03	100.28	110.41
1	3U	95	THR	N-CA-CB	-6.03	100.28	110.41
1	3Y	95	THR	N-CA-CB	-6.03	100.28	110.41
1	36	95	THR	N-CA-CB	-6.03	100.28	110.41
1	4I	95	THR	N-CA-CB	-6.03	100.28	110.41
1	4Q	95	THR	N-CA-CB	-6.03	100.28	110.41
2	43	47	ASP	CA-C-N	-6.03	115.03	122.93
2	43	47	ASP	C-N-CA	-6.03	115.03	122.93
2	47	47	ASP	CA-C-N	-6.03	115.03	122.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	47	47	ASP	C-N-CA	-6.03	115.03	122.93
2	5B	47	ASP	CA-C-N	-6.03	115.03	122.93
2	5B	47	ASP	C-N-CA	-6.03	115.03	122.93
1	5E	95	THR	N-CA-CB	-6.03	100.28	110.41
1	5I	95	THR	N-CA-CB	-6.03	100.28	110.41
1	5M	95	THR	N-CA-CB	-6.03	100.28	110.41
1	5Y	95	THR	N-CA-CB	-6.03	100.28	110.41
2	53	47	ASP	CA-C-N	-6.03	115.03	122.93
2	53	47	ASP	C-N-CA	-6.03	115.03	122.93
2	57	47	ASP	CA-C-N	-6.03	115.03	122.93
2	57	47	ASP	C-N-CA	-6.03	115.03	122.93
2	6B	47	ASP	CA-C-N	-6.03	115.03	122.93
2	6B	47	ASP	C-N-CA	-6.03	115.03	122.93
1	6E	95	THR	N-CA-CB	-6.03	100.28	110.41
1	6Y	95	THR	N-CA-CB	-6.03	100.28	110.41
1	62	95	THR	N-CA-CB	-6.03	100.28	110.41
1	66	95	THR	N-CA-CB	-6.03	100.28	110.41
1	7A	95	THR	N-CA-CB	-6.03	100.28	110.41
1	7I	95	THR	N-CA-CB	-6.03	100.28	110.41
1	7U	95	THR	N-CA-CB	-6.03	100.28	110.41
1	12	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	13	35	PHE	O-C-N	6.03	129.73	122.68
1	16	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	17	35	PHE	O-C-N	6.03	129.73	122.68
1	2A	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	2B	35	PHE	O-C-N	6.03	129.73	122.68
1	3Q	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	3R	35	PHE	O-C-N	6.03	129.73	122.68
1	3U	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	3V	35	PHE	O-C-N	6.03	129.73	122.68
1	3Y	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	3Z	35	PHE	O-C-N	6.03	129.73	122.68
1	5E	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	5F	35	PHE	O-C-N	6.03	129.73	122.68
1	5I	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	5J	35	PHE	O-C-N	6.03	129.73	122.68
1	5M	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	5N	35	PHE	O-C-N	6.03	129.73	122.68
1	62	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	63	35	PHE	O-C-N	6.03	129.73	122.68
1	66	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	67	35	PHE	O-C-N	6.03	129.73	122.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7A	110	ASP	CA-CB-CG	-6.03	106.57	112.60
2	7B	35	PHE	O-C-N	6.03	129.73	122.68
1	1A	95	THR	N-CA-CB	-6.03	100.29	110.41
1	1I	95	THR	N-CA-CB	-6.03	100.29	110.41
1	1Q	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	1Q	182	PHE	CD1-CE1-CZ	-6.03	109.15	120.00
1	1U	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	1U	182	PHE	CD1-CE1-CZ	-6.03	109.15	120.00
1	1Y	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	1Y	182	PHE	CD1-CE1-CZ	-6.03	109.15	120.00
1	2E	95	THR	N-CA-CB	-6.03	100.29	110.41
1	2Q	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	2Q	182	PHE	CD1-CE1-CZ	-6.03	109.15	120.00
1	2U	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	2U	182	PHE	CD1-CE1-CZ	-6.03	109.15	120.00
1	2Y	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	2Y	182	PHE	CD1-CE1-CZ	-6.03	109.15	120.00
1	26	95	THR	N-CA-CB	-6.03	100.29	110.41
1	3E	95	THR	N-CA-CB	-6.03	100.29	110.41
1	4A	95	THR	N-CA-CB	-6.03	100.29	110.41
1	4M	95	THR	N-CA-CB	-6.03	100.29	110.41
1	4U	95	THR	N-CA-CB	-6.03	100.29	110.41
1	42	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	42	182	PHE	CD1-CE1-CZ	-6.03	109.15	120.00
1	46	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	46	182	PHE	CD1-CE1-CZ	-6.03	109.15	120.00
1	5A	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	5A	182	PHE	CD1-CE1-CZ	-6.03	109.15	120.00
1	5Q	95	THR	N-CA-CB	-6.03	100.29	110.41
1	52	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	52	182	PHE	CD1-CE1-CZ	-6.03	109.15	120.00
1	56	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	56	182	PHE	CD1-CE1-CZ	-6.03	109.15	120.00
1	6A	110	ASP	CA-CB-CG	-6.03	106.57	112.60
1	6A	182	PHE	CD1-CE1-CZ	-6.03	109.15	120.00
1	6I	95	THR	N-CA-CB	-6.03	100.29	110.41
1	6Q	95	THR	N-CA-CB	-6.03	100.29	110.41
1	7M	95	THR	N-CA-CB	-6.03	100.29	110.41
2	1B	51	GLY	O-C-N	6.02	129.38	122.34
2	1J	51	GLY	O-C-N	6.02	129.38	122.34
2	2F	51	GLY	O-C-N	6.02	129.38	122.34
2	27	51	GLY	O-C-N	6.02	129.38	122.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	51	GLY	O-C-N	6.02	129.38	122.34
2	4B	51	GLY	O-C-N	6.02	129.38	122.34
2	4N	51	GLY	O-C-N	6.02	129.38	122.34
2	4V	51	GLY	O-C-N	6.02	129.38	122.34
2	5R	51	GLY	O-C-N	6.02	129.38	122.34
2	6J	51	GLY	O-C-N	6.02	129.38	122.34
2	6R	51	GLY	O-C-N	6.02	129.38	122.34
2	7N	51	GLY	O-C-N	6.02	129.38	122.34
2	1F	47	ASP	CA-C-N	-6.02	115.04	122.93
2	1F	47	ASP	C-N-CA	-6.02	115.04	122.93
2	1N	47	ASP	CA-C-N	-6.02	115.05	122.93
2	1N	47	ASP	C-N-CA	-6.02	115.05	122.93
2	2J	47	ASP	CA-C-N	-6.02	115.05	122.93
2	2J	47	ASP	C-N-CA	-6.02	115.05	122.93
2	2N	47	ASP	CA-C-N	-6.02	115.04	122.93
2	2N	47	ASP	C-N-CA	-6.02	115.04	122.93
2	23	47	ASP	CA-C-N	-6.02	115.04	122.93
2	23	47	ASP	C-N-CA	-6.02	115.04	122.93
2	3B	47	ASP	CA-C-N	-6.02	115.05	122.93
2	3B	47	ASP	C-N-CA	-6.02	115.05	122.93
2	3J	47	ASP	CA-C-N	-6.02	115.05	122.93
2	3J	47	ASP	C-N-CA	-6.02	115.05	122.93
2	3N	47	ASP	CA-C-N	-6.02	115.04	122.93
2	3N	47	ASP	C-N-CA	-6.02	115.04	122.93
2	33	47	ASP	CA-C-N	-6.02	115.05	122.93
2	33	47	ASP	C-N-CA	-6.02	115.05	122.93
2	37	47	ASP	CA-C-N	-6.02	115.04	122.93
2	37	47	ASP	C-N-CA	-6.02	115.04	122.93
2	4F	47	ASP	CA-C-N	-6.02	115.05	122.93
2	4F	47	ASP	C-N-CA	-6.02	115.05	122.93
2	4J	47	ASP	CA-C-N	-6.02	115.04	122.93
2	4J	47	ASP	C-N-CA	-6.02	115.04	122.93
2	4R	47	ASP	CA-C-N	-6.02	115.04	122.93
2	4R	47	ASP	C-N-CA	-6.02	115.04	122.93
2	4Z	47	ASP	CA-C-N	-6.02	115.05	122.93
2	4Z	47	ASP	C-N-CA	-6.02	115.05	122.93
2	5V	47	ASP	CA-C-N	-6.02	115.05	122.93
2	5V	47	ASP	C-N-CA	-6.02	115.05	122.93
2	5Z	47	ASP	CA-C-N	-6.02	115.04	122.93
2	5Z	47	ASP	C-N-CA	-6.02	115.04	122.93
2	6F	47	ASP	CA-C-N	-6.02	115.04	122.93
2	6F	47	ASP	C-N-CA	-6.02	115.04	122.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6N	47	ASP	CA-C-N	-6.02	115.05	122.93
2	6N	47	ASP	C-N-CA	-6.02	115.05	122.93
2	6V	47	ASP	CA-C-N	-6.02	115.05	122.93
2	6V	47	ASP	C-N-CA	-6.02	115.05	122.93
2	6Z	47	ASP	CA-C-N	-6.02	115.04	122.93
2	6Z	47	ASP	C-N-CA	-6.02	115.04	122.93
2	7F	47	ASP	CA-C-N	-6.02	115.05	122.93
2	7F	47	ASP	C-N-CA	-6.02	115.05	122.93
2	7J	47	ASP	CA-C-N	-6.02	115.04	122.93
2	7J	47	ASP	C-N-CA	-6.02	115.04	122.93
2	7R	47	ASP	CA-C-N	-6.02	115.05	122.93
2	7R	47	ASP	C-N-CA	-6.02	115.05	122.93
2	7V	47	ASP	CA-C-N	-6.02	115.04	122.93
2	7V	47	ASP	C-N-CA	-6.02	115.04	122.93
1	1Q	96	ASP	CB-CA-C	-6.02	103.19	111.73
1	1U	96	ASP	CB-CA-C	-6.02	103.19	111.73
1	1Y	96	ASP	CB-CA-C	-6.02	103.19	111.73
1	2Q	96	ASP	CB-CA-C	-6.02	103.19	111.73
1	2U	96	ASP	CB-CA-C	-6.02	103.19	111.73
1	2Y	96	ASP	CB-CA-C	-6.02	103.19	111.73
1	42	96	ASP	CB-CA-C	-6.02	103.19	111.73
1	46	96	ASP	CB-CA-C	-6.02	103.19	111.73
1	5A	96	ASP	CB-CA-C	-6.02	103.19	111.73
1	52	96	ASP	CB-CA-C	-6.02	103.19	111.73
1	56	96	ASP	CB-CA-C	-6.02	103.19	111.73
1	6A	96	ASP	CB-CA-C	-6.02	103.19	111.73
1	12	182	PHE	CD1-CE1-CZ	-6.01	109.18	120.00
1	16	182	PHE	CD1-CE1-CZ	-6.01	109.18	120.00
1	2A	182	PHE	CD1-CE1-CZ	-6.01	109.18	120.00
1	3Q	182	PHE	CD1-CE1-CZ	-6.01	109.18	120.00
1	3U	182	PHE	CD1-CE1-CZ	-6.01	109.18	120.00
1	3Y	182	PHE	CD1-CE1-CZ	-6.01	109.18	120.00
1	5E	182	PHE	CD1-CE1-CZ	-6.01	109.18	120.00
1	5I	182	PHE	CD1-CE1-CZ	-6.01	109.18	120.00
1	5M	182	PHE	CD1-CE1-CZ	-6.01	109.18	120.00
1	62	182	PHE	CD1-CE1-CZ	-6.01	109.18	120.00
1	66	182	PHE	CD1-CE1-CZ	-6.01	109.18	120.00
1	7A	182	PHE	CD1-CE1-CZ	-6.01	109.18	120.00
1	1A	96	ASP	CB-CA-C	-6.01	103.19	111.73
1	1I	96	ASP	CB-CA-C	-6.01	103.19	111.73
1	2E	96	ASP	CB-CA-C	-6.01	103.19	111.73
1	26	96	ASP	CB-CA-C	-6.01	103.19	111.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	96	ASP	CB-CA-C	-6.01	103.19	111.73
1	4A	96	ASP	CB-CA-C	-6.01	103.19	111.73
1	4M	96	ASP	CB-CA-C	-6.01	103.19	111.73
1	4U	96	ASP	CB-CA-C	-6.01	103.19	111.73
1	5Q	96	ASP	CB-CA-C	-6.01	103.19	111.73
1	6I	96	ASP	CB-CA-C	-6.01	103.19	111.73
1	6Q	96	ASP	CB-CA-C	-6.01	103.19	111.73
1	7M	96	ASP	CB-CA-C	-6.01	103.19	111.73
1	1A	110	ASP	CA-CB-CG	-6.01	106.59	112.60
1	1I	110	ASP	CA-CB-CG	-6.01	106.59	112.60
1	2E	110	ASP	CA-CB-CG	-6.01	106.59	112.60
1	26	110	ASP	CA-CB-CG	-6.01	106.59	112.60
1	3E	110	ASP	CA-CB-CG	-6.01	106.59	112.60
1	4A	110	ASP	CA-CB-CG	-6.01	106.59	112.60
1	4M	110	ASP	CA-CB-CG	-6.01	106.59	112.60
1	4U	110	ASP	CA-CB-CG	-6.01	106.59	112.60
1	5Q	110	ASP	CA-CB-CG	-6.01	106.59	112.60
1	6I	110	ASP	CA-CB-CG	-6.01	106.59	112.60
1	6Q	110	ASP	CA-CB-CG	-6.01	106.59	112.60
1	7M	110	ASP	CA-CB-CG	-6.01	106.59	112.60
2	1N	10	GLN	N-CA-C	6.01	123.59	110.80
2	2J	10	GLN	N-CA-C	6.01	123.59	110.80
2	3B	10	GLN	N-CA-C	6.01	123.59	110.80
2	3J	10	GLN	N-CA-C	6.01	123.59	110.80
2	33	10	GLN	N-CA-C	6.01	123.59	110.80
2	4F	10	GLN	N-CA-C	6.01	123.59	110.80
2	4Z	10	GLN	N-CA-C	6.01	123.59	110.80
2	5V	10	GLN	N-CA-C	6.01	123.59	110.80
2	6N	10	GLN	N-CA-C	6.01	123.59	110.80
2	6V	10	GLN	N-CA-C	6.01	123.59	110.80
2	7F	10	GLN	N-CA-C	6.01	123.59	110.80
2	7R	10	GLN	N-CA-C	6.01	123.59	110.80
2	1B	10	GLN	N-CA-C	6.00	123.59	110.80
2	1J	10	GLN	N-CA-C	6.00	123.59	110.80
2	1N	35	PHE	O-C-N	6.00	129.70	122.68
1	12	96	ASP	CB-CA-C	-6.00	103.21	111.73
1	16	96	ASP	CB-CA-C	-6.00	103.21	111.73
1	2A	96	ASP	CB-CA-C	-6.00	103.21	111.73
2	2F	10	GLN	N-CA-C	6.00	123.59	110.80
2	2J	35	PHE	O-C-N	6.00	129.70	122.68
2	27	10	GLN	N-CA-C	6.00	123.59	110.80
2	3B	35	PHE	O-C-N	6.00	129.70	122.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	10	GLN	N-CA-C	6.00	123.59	110.80
2	3J	35	PHE	O-C-N	6.00	129.70	122.68
1	3Q	96	ASP	CB-CA-C	-6.00	103.21	111.73
1	3U	96	ASP	CB-CA-C	-6.00	103.21	111.73
1	3Y	96	ASP	CB-CA-C	-6.00	103.21	111.73
2	33	35	PHE	O-C-N	6.00	129.70	122.68
2	4B	10	GLN	N-CA-C	6.00	123.59	110.80
2	4F	35	PHE	O-C-N	6.00	129.70	122.68
2	4N	10	GLN	N-CA-C	6.00	123.59	110.80
2	4V	10	GLN	N-CA-C	6.00	123.59	110.80
2	4Z	35	PHE	O-C-N	6.00	129.70	122.68
1	5E	96	ASP	CB-CA-C	-6.00	103.21	111.73
1	5I	96	ASP	CB-CA-C	-6.00	103.21	111.73
1	5M	96	ASP	CB-CA-C	-6.00	103.21	111.73
2	5R	10	GLN	N-CA-C	6.00	123.59	110.80
2	5V	35	PHE	O-C-N	6.00	129.70	122.68
2	6J	10	GLN	N-CA-C	6.00	123.59	110.80
2	6N	35	PHE	O-C-N	6.00	129.70	122.68
2	6R	10	GLN	N-CA-C	6.00	123.59	110.80
2	6V	35	PHE	O-C-N	6.00	129.70	122.68
1	62	96	ASP	CB-CA-C	-6.00	103.21	111.73
1	66	96	ASP	CB-CA-C	-6.00	103.21	111.73
1	7A	96	ASP	CB-CA-C	-6.00	103.21	111.73
2	7F	35	PHE	O-C-N	6.00	129.70	122.68
2	7N	10	GLN	N-CA-C	6.00	123.59	110.80
2	7R	35	PHE	O-C-N	6.00	129.70	122.68
2	1B	35	PHE	O-C-N	6.00	129.70	122.68
4	1D	87	SER	CA-C-N	6.00	125.88	119.28
4	1D	87	SER	C-N-CA	6.00	125.88	119.28
2	1J	35	PHE	O-C-N	6.00	129.70	122.68
4	1L	87	SER	CA-C-N	6.00	125.88	119.28
4	1L	87	SER	C-N-CA	6.00	125.88	119.28
2	2F	35	PHE	O-C-N	6.00	129.70	122.68
4	2H	87	SER	CA-C-N	6.00	125.88	119.28
4	2H	87	SER	C-N-CA	6.00	125.88	119.28
2	27	35	PHE	O-C-N	6.00	129.70	122.68
4	29	87	SER	CA-C-N	6.00	125.88	119.28
4	29	87	SER	C-N-CA	6.00	125.88	119.28
2	3F	35	PHE	O-C-N	6.00	129.70	122.68
4	3H	87	SER	CA-C-N	6.00	125.88	119.28
4	3H	87	SER	C-N-CA	6.00	125.88	119.28
2	4B	35	PHE	O-C-N	6.00	129.70	122.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	4D	87	SER	CA-C-N	6.00	125.88	119.28
4	4D	87	SER	C-N-CA	6.00	125.88	119.28
2	4N	35	PHE	O-C-N	6.00	129.70	122.68
4	4P	87	SER	CA-C-N	6.00	125.88	119.28
4	4P	87	SER	C-N-CA	6.00	125.88	119.28
2	4V	35	PHE	O-C-N	6.00	129.70	122.68
4	4X	87	SER	CA-C-N	6.00	125.88	119.28
4	4X	87	SER	C-N-CA	6.00	125.88	119.28
2	5R	35	PHE	O-C-N	6.00	129.70	122.68
4	5T	87	SER	CA-C-N	6.00	125.88	119.28
4	5T	87	SER	C-N-CA	6.00	125.88	119.28
2	6J	35	PHE	O-C-N	6.00	129.70	122.68
4	6L	87	SER	CA-C-N	6.00	125.88	119.28
4	6L	87	SER	C-N-CA	6.00	125.88	119.28
2	6R	35	PHE	O-C-N	6.00	129.70	122.68
4	6T	87	SER	CA-C-N	6.00	125.88	119.28
4	6T	87	SER	C-N-CA	6.00	125.88	119.28
2	7N	35	PHE	O-C-N	6.00	129.70	122.68
4	7P	87	SER	CA-C-N	6.00	125.88	119.28
4	7P	87	SER	C-N-CA	6.00	125.88	119.28
2	1R	35	PHE	O-C-N	6.00	129.70	122.68
2	1V	35	PHE	O-C-N	6.00	129.70	122.68
2	1Z	35	PHE	O-C-N	6.00	129.70	122.68
2	13	51	GLY	O-C-N	6.00	129.36	122.34
2	17	51	GLY	O-C-N	6.00	129.36	122.34
2	2B	51	GLY	O-C-N	6.00	129.36	122.34
2	2R	35	PHE	O-C-N	6.00	129.70	122.68
2	2V	35	PHE	O-C-N	6.00	129.70	122.68
2	2Z	35	PHE	O-C-N	6.00	129.70	122.68
2	3R	51	GLY	O-C-N	6.00	129.36	122.34
2	3V	51	GLY	O-C-N	6.00	129.36	122.34
2	3Z	51	GLY	O-C-N	6.00	129.36	122.34
2	43	35	PHE	O-C-N	6.00	129.70	122.68
2	47	35	PHE	O-C-N	6.00	129.70	122.68
2	5B	35	PHE	O-C-N	6.00	129.70	122.68
2	5F	51	GLY	O-C-N	6.00	129.36	122.34
2	5J	51	GLY	O-C-N	6.00	129.36	122.34
2	5N	51	GLY	O-C-N	6.00	129.36	122.34
2	53	35	PHE	O-C-N	6.00	129.70	122.68
2	57	35	PHE	O-C-N	6.00	129.70	122.68
2	6B	35	PHE	O-C-N	6.00	129.70	122.68
2	63	51	GLY	O-C-N	6.00	129.36	122.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	51	GLY	O-C-N	6.00	129.36	122.34
2	7B	51	GLY	O-C-N	6.00	129.36	122.34
1	1E	110	ASP	CA-CB-CG	-6.00	106.60	112.60
2	1F	10	GLN	N-CA-C	6.00	123.57	110.80
2	1R	51	GLY	O-C-N	6.00	129.36	122.34
2	1V	51	GLY	O-C-N	6.00	129.36	122.34
2	1Z	51	GLY	O-C-N	6.00	129.36	122.34
2	13	10	GLN	N-CA-C	6.00	123.57	110.80
2	17	10	GLN	N-CA-C	6.00	123.57	110.80
2	2B	10	GLN	N-CA-C	6.00	123.57	110.80
1	2M	110	ASP	CA-CB-CG	-6.00	106.60	112.60
2	2N	10	GLN	N-CA-C	6.00	123.57	110.80
2	2R	51	GLY	O-C-N	6.00	129.36	122.34
2	2V	51	GLY	O-C-N	6.00	129.36	122.34
2	2Z	51	GLY	O-C-N	6.00	129.36	122.34
1	22	110	ASP	CA-CB-CG	-6.00	106.60	112.60
2	23	10	GLN	N-CA-C	6.00	123.57	110.80
1	3M	110	ASP	CA-CB-CG	-6.00	106.60	112.60
2	3N	10	GLN	N-CA-C	6.00	123.57	110.80
2	3R	10	GLN	N-CA-C	6.00	123.57	110.80
2	3V	10	GLN	N-CA-C	6.00	123.57	110.80
2	3Z	10	GLN	N-CA-C	6.00	123.57	110.80
1	36	110	ASP	CA-CB-CG	-6.00	106.60	112.60
2	37	10	GLN	N-CA-C	6.00	123.57	110.80
1	4I	110	ASP	CA-CB-CG	-6.00	106.60	112.60
2	4J	10	GLN	N-CA-C	6.00	123.57	110.80
1	4Q	110	ASP	CA-CB-CG	-6.00	106.60	112.60
2	4R	10	GLN	N-CA-C	6.00	123.57	110.80
2	43	51	GLY	O-C-N	6.00	129.36	122.34
2	47	51	GLY	O-C-N	6.00	129.36	122.34
2	5B	51	GLY	O-C-N	6.00	129.36	122.34
2	5F	10	GLN	N-CA-C	6.00	123.57	110.80
2	5J	10	GLN	N-CA-C	6.00	123.57	110.80
2	5N	10	GLN	N-CA-C	6.00	123.57	110.80
1	5Y	110	ASP	CA-CB-CG	-6.00	106.60	112.60
2	5Z	10	GLN	N-CA-C	6.00	123.57	110.80
2	53	51	GLY	O-C-N	6.00	129.36	122.34
2	57	51	GLY	O-C-N	6.00	129.36	122.34
2	6B	51	GLY	O-C-N	6.00	129.36	122.34
1	6E	110	ASP	CA-CB-CG	-6.00	106.60	112.60
2	6F	10	GLN	N-CA-C	6.00	123.57	110.80
1	6Y	110	ASP	CA-CB-CG	-6.00	106.60	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6Z	10	GLN	N-CA-C	6.00	123.57	110.80
2	63	10	GLN	N-CA-C	6.00	123.57	110.80
2	67	10	GLN	N-CA-C	6.00	123.57	110.80
2	7B	10	GLN	N-CA-C	6.00	123.57	110.80
1	7I	110	ASP	CA-CB-CG	-6.00	106.60	112.60
2	7J	10	GLN	N-CA-C	6.00	123.57	110.80
1	7U	110	ASP	CA-CB-CG	-6.00	106.60	112.60
2	7V	10	GLN	N-CA-C	6.00	123.57	110.80
4	1T	87	SER	CA-C-N	5.99	125.87	119.28
4	1T	87	SER	C-N-CA	5.99	125.87	119.28
4	1X	87	SER	CA-C-N	5.99	125.87	119.28
4	1X	87	SER	C-N-CA	5.99	125.87	119.28
4	11	87	SER	CA-C-N	5.99	125.87	119.28
4	11	87	SER	C-N-CA	5.99	125.87	119.28
4	2T	87	SER	CA-C-N	5.99	125.87	119.28
4	2T	87	SER	C-N-CA	5.99	125.87	119.28
4	2X	87	SER	CA-C-N	5.99	125.87	119.28
4	2X	87	SER	C-N-CA	5.99	125.87	119.28
4	21	87	SER	CA-C-N	5.99	125.87	119.28
4	21	87	SER	C-N-CA	5.99	125.87	119.28
4	45	87	SER	CA-C-N	5.99	125.87	119.28
4	45	87	SER	C-N-CA	5.99	125.87	119.28
4	49	87	SER	CA-C-N	5.99	125.87	119.28
4	49	87	SER	C-N-CA	5.99	125.87	119.28
4	5D	87	SER	CA-C-N	5.99	125.87	119.28
4	5D	87	SER	C-N-CA	5.99	125.87	119.28
4	55	87	SER	CA-C-N	5.99	125.87	119.28
4	55	87	SER	C-N-CA	5.99	125.87	119.28
4	59	87	SER	CA-C-N	5.99	125.87	119.28
4	59	87	SER	C-N-CA	5.99	125.87	119.28
4	6D	87	SER	CA-C-N	5.99	125.87	119.28
4	6D	87	SER	C-N-CA	5.99	125.87	119.28
4	15	87	SER	CA-C-N	5.99	125.87	119.28
4	15	87	SER	C-N-CA	5.99	125.87	119.28
4	19	87	SER	CA-C-N	5.99	125.87	119.28
4	19	87	SER	C-N-CA	5.99	125.87	119.28
4	2D	87	SER	CA-C-N	5.99	125.87	119.28
4	2D	87	SER	C-N-CA	5.99	125.87	119.28
4	3T	87	SER	CA-C-N	5.99	125.87	119.28
4	3T	87	SER	C-N-CA	5.99	125.87	119.28
4	3X	87	SER	CA-C-N	5.99	125.87	119.28
4	3X	87	SER	C-N-CA	5.99	125.87	119.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	31	87	SER	CA-C-N	5.99	125.87	119.28
4	31	87	SER	C-N-CA	5.99	125.87	119.28
4	5H	87	SER	CA-C-N	5.99	125.87	119.28
4	5H	87	SER	C-N-CA	5.99	125.87	119.28
4	5L	87	SER	CA-C-N	5.99	125.87	119.28
4	5L	87	SER	C-N-CA	5.99	125.87	119.28
4	5P	87	SER	CA-C-N	5.99	125.87	119.28
4	5P	87	SER	C-N-CA	5.99	125.87	119.28
4	65	87	SER	CA-C-N	5.99	125.87	119.28
4	65	87	SER	C-N-CA	5.99	125.87	119.28
4	69	87	SER	CA-C-N	5.99	125.87	119.28
4	69	87	SER	C-N-CA	5.99	125.87	119.28
4	7D	87	SER	CA-C-N	5.99	125.87	119.28
4	7D	87	SER	C-N-CA	5.99	125.87	119.28
1	1A	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	1I	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	1M	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	2E	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	2I	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	26	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	3A	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	3E	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	3I	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	32	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	4A	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	4E	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	4M	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	4U	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	4Y	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	5Q	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	5U	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	6I	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	6M	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	6Q	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	6U	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	7E	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	7M	35	THR	CA-CB-CG2	-5.99	100.32	110.50
1	7Q	35	THR	CA-CB-CG2	-5.99	100.32	110.50
2	1F	175	THR	N-CA-C	5.99	118.70	111.40
2	2N	175	THR	N-CA-C	5.99	118.70	111.40
2	23	175	THR	N-CA-C	5.99	118.70	111.40
2	3N	175	THR	N-CA-C	5.99	118.70	111.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	175	THR	N-CA-C	5.99	118.70	111.40
2	4J	175	THR	N-CA-C	5.99	118.70	111.40
2	4R	175	THR	N-CA-C	5.99	118.70	111.40
2	5Z	175	THR	N-CA-C	5.99	118.70	111.40
2	6F	175	THR	N-CA-C	5.99	118.70	111.40
2	6Z	175	THR	N-CA-C	5.99	118.70	111.40
2	7J	175	THR	N-CA-C	5.99	118.70	111.40
2	7V	175	THR	N-CA-C	5.99	118.70	111.40
1	1E	35	THR	CA-CB-CG2	-5.98	100.33	110.50
2	1R	10	GLN	N-CA-C	5.98	123.54	110.80
2	1V	10	GLN	N-CA-C	5.98	123.54	110.80
2	1Z	10	GLN	N-CA-C	5.98	123.54	110.80
1	2M	35	THR	CA-CB-CG2	-5.98	100.33	110.50
2	2R	10	GLN	N-CA-C	5.98	123.54	110.80
2	2V	10	GLN	N-CA-C	5.98	123.54	110.80
2	2Z	10	GLN	N-CA-C	5.98	123.54	110.80
1	22	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	3M	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	36	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	4I	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	4Q	35	THR	CA-CB-CG2	-5.98	100.33	110.50
2	43	10	GLN	N-CA-C	5.98	123.54	110.80
2	47	10	GLN	N-CA-C	5.98	123.54	110.80
2	5B	10	GLN	N-CA-C	5.98	123.54	110.80
1	5Y	35	THR	CA-CB-CG2	-5.98	100.33	110.50
2	53	10	GLN	N-CA-C	5.98	123.54	110.80
2	57	10	GLN	N-CA-C	5.98	123.54	110.80
2	6B	10	GLN	N-CA-C	5.98	123.54	110.80
1	6E	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	6Y	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	7I	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	7U	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	1Q	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	1U	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	1Y	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	2Q	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	2U	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	2Y	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	42	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	46	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	5A	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	52	35	THR	CA-CB-CG2	-5.98	100.33	110.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	35	THR	CA-CB-CG2	-5.98	100.33	110.50
1	6A	35	THR	CA-CB-CG2	-5.98	100.33	110.50
2	1N	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	1R	175	THR	N-CA-C	5.97	118.69	111.40
2	1V	175	THR	N-CA-C	5.97	118.69	111.40
2	1Z	175	THR	N-CA-C	5.97	118.69	111.40
1	12	35	THR	CA-CB-CG2	-5.97	100.34	110.50
1	16	35	THR	CA-CB-CG2	-5.97	100.34	110.50
1	2A	35	THR	CA-CB-CG2	-5.97	100.34	110.50
2	2J	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	2R	175	THR	N-CA-C	5.97	118.69	111.40
2	2V	175	THR	N-CA-C	5.97	118.69	111.40
2	2Z	175	THR	N-CA-C	5.97	118.69	111.40
2	3B	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	3J	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
1	3Q	35	THR	CA-CB-CG2	-5.97	100.34	110.50
1	3U	35	THR	CA-CB-CG2	-5.97	100.34	110.50
1	3Y	35	THR	CA-CB-CG2	-5.97	100.34	110.50
2	33	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	4F	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	4Z	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	43	175	THR	N-CA-C	5.97	118.69	111.40
2	47	175	THR	N-CA-C	5.97	118.69	111.40
2	5B	175	THR	N-CA-C	5.97	118.69	111.40
1	5E	35	THR	CA-CB-CG2	-5.97	100.34	110.50
1	5I	35	THR	CA-CB-CG2	-5.97	100.34	110.50
1	5M	35	THR	CA-CB-CG2	-5.97	100.34	110.50
2	5V	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	53	175	THR	N-CA-C	5.97	118.69	111.40
2	57	175	THR	N-CA-C	5.97	118.69	111.40
2	6B	175	THR	N-CA-C	5.97	118.69	111.40
2	6N	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	6V	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
1	62	35	THR	CA-CB-CG2	-5.97	100.34	110.50
1	66	35	THR	CA-CB-CG2	-5.97	100.34	110.50
1	7A	35	THR	CA-CB-CG2	-5.97	100.34	110.50
2	7F	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	7R	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	13	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	17	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	2B	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	3R	47	ASP	CB-CG-OD1	-5.97	104.66	118.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	3Z	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	5F	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	5J	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	5N	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	63	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	67	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	7B	47	ASP	CB-CG-OD1	-5.97	104.66	118.40
2	1B	47	ASP	CB-CG-OD1	-5.97	104.67	118.40
2	1J	47	ASP	CB-CG-OD1	-5.97	104.67	118.40
2	2F	47	ASP	CB-CG-OD1	-5.97	104.67	118.40
2	27	47	ASP	CB-CG-OD1	-5.97	104.67	118.40
2	3F	47	ASP	CB-CG-OD1	-5.97	104.67	118.40
2	4B	47	ASP	CB-CG-OD1	-5.97	104.67	118.40
2	4N	47	ASP	CB-CG-OD1	-5.97	104.67	118.40
2	4V	47	ASP	CB-CG-OD1	-5.97	104.67	118.40
2	5R	47	ASP	CB-CG-OD1	-5.97	104.67	118.40
2	6J	47	ASP	CB-CG-OD1	-5.97	104.67	118.40
2	6R	47	ASP	CB-CG-OD1	-5.97	104.67	118.40
2	7N	47	ASP	CB-CG-OD1	-5.97	104.67	118.40
1	1E	96	ASP	CB-CA-C	-5.97	103.26	111.73
1	2M	96	ASP	CB-CA-C	-5.97	103.26	111.73
1	22	96	ASP	CB-CA-C	-5.97	103.26	111.73
1	3M	96	ASP	CB-CA-C	-5.97	103.26	111.73
1	36	96	ASP	CB-CA-C	-5.97	103.26	111.73
1	4I	96	ASP	CB-CA-C	-5.97	103.26	111.73
1	4Q	96	ASP	CB-CA-C	-5.97	103.26	111.73
1	5Y	96	ASP	CB-CA-C	-5.97	103.26	111.73
1	6E	96	ASP	CB-CA-C	-5.97	103.26	111.73
1	6Y	96	ASP	CB-CA-C	-5.97	103.26	111.73
1	7I	96	ASP	CB-CA-C	-5.97	103.26	111.73
1	7U	96	ASP	CB-CA-C	-5.97	103.26	111.73
1	1M	89	PHE	N-CA-C	-5.96	94.31	111.00
1	2I	89	PHE	N-CA-C	-5.96	94.31	111.00
1	3A	89	PHE	N-CA-C	-5.96	94.31	111.00
1	3I	89	PHE	N-CA-C	-5.96	94.31	111.00
1	32	89	PHE	N-CA-C	-5.96	94.31	111.00
1	4E	89	PHE	N-CA-C	-5.96	94.31	111.00
1	4Y	89	PHE	N-CA-C	-5.96	94.31	111.00
1	5U	89	PHE	N-CA-C	-5.96	94.31	111.00
1	6M	89	PHE	N-CA-C	-5.96	94.31	111.00
1	6U	89	PHE	N-CA-C	-5.96	94.31	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	89	PHE	N-CA-C	-5.96	94.31	111.00
1	7Q	89	PHE	N-CA-C	-5.96	94.31	111.00
1	1Q	89	PHE	N-CA-C	-5.96	94.31	111.00
2	1R	47	ASP	CB-CG-OD1	-5.96	104.70	118.40
1	1U	89	PHE	N-CA-C	-5.96	94.31	111.00
2	1V	47	ASP	CB-CG-OD1	-5.96	104.70	118.40
1	1Y	89	PHE	N-CA-C	-5.96	94.31	111.00
2	1Z	47	ASP	CB-CG-OD1	-5.96	104.70	118.40
1	2Q	89	PHE	N-CA-C	-5.96	94.31	111.00
2	2R	47	ASP	CB-CG-OD1	-5.96	104.70	118.40
1	2U	89	PHE	N-CA-C	-5.96	94.31	111.00
2	2V	47	ASP	CB-CG-OD1	-5.96	104.70	118.40
1	2Y	89	PHE	N-CA-C	-5.96	94.31	111.00
2	2Z	47	ASP	CB-CG-OD1	-5.96	104.70	118.40
1	42	89	PHE	N-CA-C	-5.96	94.31	111.00
2	43	47	ASP	CB-CG-OD1	-5.96	104.70	118.40
1	46	89	PHE	N-CA-C	-5.96	94.31	111.00
2	47	47	ASP	CB-CG-OD1	-5.96	104.70	118.40
1	5A	89	PHE	N-CA-C	-5.96	94.31	111.00
2	5B	47	ASP	CB-CG-OD1	-5.96	104.70	118.40
1	52	89	PHE	N-CA-C	-5.96	94.31	111.00
2	53	47	ASP	CB-CG-OD1	-5.96	104.70	118.40
1	56	89	PHE	N-CA-C	-5.96	94.31	111.00
2	57	47	ASP	CB-CG-OD1	-5.96	104.70	118.40
1	6A	89	PHE	N-CA-C	-5.96	94.31	111.00
2	6B	47	ASP	CB-CG-OD1	-5.96	104.70	118.40
1	1A	89	PHE	N-CA-C	-5.96	94.32	111.00
1	1E	89	PHE	N-CA-C	-5.96	94.32	111.00
1	1I	89	PHE	N-CA-C	-5.96	94.32	111.00
1	2E	89	PHE	N-CA-C	-5.96	94.32	111.00
1	2M	89	PHE	N-CA-C	-5.96	94.32	111.00
1	22	89	PHE	N-CA-C	-5.96	94.32	111.00
1	26	89	PHE	N-CA-C	-5.96	94.32	111.00
1	3E	89	PHE	N-CA-C	-5.96	94.32	111.00
1	3M	89	PHE	N-CA-C	-5.96	94.32	111.00
1	36	89	PHE	N-CA-C	-5.96	94.32	111.00
1	4A	89	PHE	N-CA-C	-5.96	94.32	111.00
1	4I	89	PHE	N-CA-C	-5.96	94.32	111.00
1	4M	89	PHE	N-CA-C	-5.96	94.32	111.00
1	4Q	89	PHE	N-CA-C	-5.96	94.32	111.00
1	4U	89	PHE	N-CA-C	-5.96	94.32	111.00
1	5Q	89	PHE	N-CA-C	-5.96	94.32	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	89	PHE	N-CA-C	-5.96	94.32	111.00
1	6E	89	PHE	N-CA-C	-5.96	94.32	111.00
1	6I	89	PHE	N-CA-C	-5.96	94.32	111.00
1	6Q	89	PHE	N-CA-C	-5.96	94.32	111.00
1	6Y	89	PHE	N-CA-C	-5.96	94.32	111.00
1	7I	89	PHE	N-CA-C	-5.96	94.32	111.00
1	7M	89	PHE	N-CA-C	-5.96	94.32	111.00
1	7U	89	PHE	N-CA-C	-5.96	94.32	111.00
1	12	94	THR	CA-CB-CG2	5.96	120.62	110.50
1	16	94	THR	CA-CB-CG2	5.96	120.62	110.50
1	2A	94	THR	CA-CB-CG2	5.96	120.62	110.50
1	3Q	94	THR	CA-CB-CG2	5.96	120.62	110.50
1	3U	94	THR	CA-CB-CG2	5.96	120.62	110.50
1	3Y	94	THR	CA-CB-CG2	5.96	120.62	110.50
1	5E	94	THR	CA-CB-CG2	5.96	120.62	110.50
1	5I	94	THR	CA-CB-CG2	5.96	120.62	110.50
1	5M	94	THR	CA-CB-CG2	5.96	120.62	110.50
1	62	94	THR	CA-CB-CG2	5.96	120.62	110.50
1	66	94	THR	CA-CB-CG2	5.96	120.62	110.50
1	7A	94	THR	CA-CB-CG2	5.96	120.62	110.50
2	1B	36	SER	CA-C-N	5.95	132.91	121.54
2	1B	36	SER	C-N-CA	5.95	132.91	121.54
2	1B	218	ARG	CA-CB-CG	-5.95	102.19	114.10
2	1J	36	SER	CA-C-N	5.95	132.91	121.54
2	1J	36	SER	C-N-CA	5.95	132.91	121.54
2	1J	218	ARG	CA-CB-CG	-5.95	102.19	114.10
2	1R	36	SER	CA-C-N	5.95	132.91	121.54
2	1R	36	SER	C-N-CA	5.95	132.91	121.54
2	1V	36	SER	CA-C-N	5.95	132.91	121.54
2	1V	36	SER	C-N-CA	5.95	132.91	121.54
2	1Z	36	SER	CA-C-N	5.95	132.91	121.54
2	1Z	36	SER	C-N-CA	5.95	132.91	121.54
2	2F	36	SER	CA-C-N	5.95	132.91	121.54
2	2F	36	SER	C-N-CA	5.95	132.91	121.54
2	2F	218	ARG	CA-CB-CG	-5.95	102.19	114.10
2	2R	36	SER	CA-C-N	5.95	132.91	121.54
2	2R	36	SER	C-N-CA	5.95	132.91	121.54
2	2V	36	SER	CA-C-N	5.95	132.91	121.54
2	2V	36	SER	C-N-CA	5.95	132.91	121.54
2	2Z	36	SER	CA-C-N	5.95	132.91	121.54
2	2Z	36	SER	C-N-CA	5.95	132.91	121.54
2	27	36	SER	CA-C-N	5.95	132.91	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	27	36	SER	C-N-CA	5.95	132.91	121.54
2	27	218	ARG	CA-CB-CG	-5.95	102.19	114.10
2	3F	36	SER	CA-C-N	5.95	132.91	121.54
2	3F	36	SER	C-N-CA	5.95	132.91	121.54
2	3F	218	ARG	CA-CB-CG	-5.95	102.19	114.10
2	4B	36	SER	CA-C-N	5.95	132.91	121.54
2	4B	36	SER	C-N-CA	5.95	132.91	121.54
2	4B	218	ARG	CA-CB-CG	-5.95	102.19	114.10
2	4N	36	SER	CA-C-N	5.95	132.91	121.54
2	4N	36	SER	C-N-CA	5.95	132.91	121.54
2	4N	218	ARG	CA-CB-CG	-5.95	102.19	114.10
2	4V	36	SER	CA-C-N	5.95	132.91	121.54
2	4V	36	SER	C-N-CA	5.95	132.91	121.54
2	4V	218	ARG	CA-CB-CG	-5.95	102.19	114.10
2	43	36	SER	CA-C-N	5.95	132.91	121.54
2	43	36	SER	C-N-CA	5.95	132.91	121.54
2	47	36	SER	CA-C-N	5.95	132.91	121.54
2	47	36	SER	C-N-CA	5.95	132.91	121.54
2	5B	36	SER	CA-C-N	5.95	132.91	121.54
2	5B	36	SER	C-N-CA	5.95	132.91	121.54
2	5R	36	SER	CA-C-N	5.95	132.91	121.54
2	5R	36	SER	C-N-CA	5.95	132.91	121.54
2	5R	218	ARG	CA-CB-CG	-5.95	102.19	114.10
2	53	36	SER	CA-C-N	5.95	132.91	121.54
2	53	36	SER	C-N-CA	5.95	132.91	121.54
2	57	36	SER	CA-C-N	5.95	132.91	121.54
2	57	36	SER	C-N-CA	5.95	132.91	121.54
2	6B	36	SER	CA-C-N	5.95	132.91	121.54
2	6B	36	SER	C-N-CA	5.95	132.91	121.54
2	6J	36	SER	CA-C-N	5.95	132.91	121.54
2	6J	36	SER	C-N-CA	5.95	132.91	121.54
2	6J	218	ARG	CA-CB-CG	-5.95	102.19	114.10
2	6R	36	SER	CA-C-N	5.95	132.91	121.54
2	6R	36	SER	C-N-CA	5.95	132.91	121.54
2	6R	218	ARG	CA-CB-CG	-5.95	102.19	114.10
2	7N	36	SER	CA-C-N	5.95	132.91	121.54
2	7N	36	SER	C-N-CA	5.95	132.91	121.54
2	7N	218	ARG	CA-CB-CG	-5.95	102.19	114.10
2	1B	175	THR	N-CA-C	5.95	118.66	111.40
2	1J	175	THR	N-CA-C	5.95	118.66	111.40
2	2F	175	THR	N-CA-C	5.95	118.66	111.40
2	27	175	THR	N-CA-C	5.95	118.66	111.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	175	THR	N-CA-C	5.95	118.66	111.40
2	4B	175	THR	N-CA-C	5.95	118.66	111.40
2	4N	175	THR	N-CA-C	5.95	118.66	111.40
2	4V	175	THR	N-CA-C	5.95	118.66	111.40
2	5R	175	THR	N-CA-C	5.95	118.66	111.40
2	6J	175	THR	N-CA-C	5.95	118.66	111.40
2	6R	175	THR	N-CA-C	5.95	118.66	111.40
2	7N	175	THR	N-CA-C	5.95	118.66	111.40
1	1A	94	THR	CA-CB-CG2	5.95	120.61	110.50
2	1F	36	SER	CA-C-N	5.95	132.91	121.54
2	1F	36	SER	C-N-CA	5.95	132.91	121.54
4	1H	87	SER	CA-C-N	5.95	125.83	119.28
4	1H	87	SER	C-N-CA	5.95	125.83	119.28
1	1I	94	THR	CA-CB-CG2	5.95	120.61	110.50
2	13	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	17	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	2B	218	ARG	CA-CB-CG	-5.95	102.20	114.10
1	2E	94	THR	CA-CB-CG2	5.95	120.61	110.50
2	2N	36	SER	CA-C-N	5.95	132.91	121.54
2	2N	36	SER	C-N-CA	5.95	132.91	121.54
4	2P	87	SER	CA-C-N	5.95	125.83	119.28
4	2P	87	SER	C-N-CA	5.95	125.83	119.28
2	23	36	SER	CA-C-N	5.95	132.91	121.54
2	23	36	SER	C-N-CA	5.95	132.91	121.54
4	25	87	SER	CA-C-N	5.95	125.83	119.28
4	25	87	SER	C-N-CA	5.95	125.83	119.28
1	26	94	THR	CA-CB-CG2	5.95	120.61	110.50
1	3E	94	THR	CA-CB-CG2	5.95	120.61	110.50
2	3N	36	SER	CA-C-N	5.95	132.91	121.54
2	3N	36	SER	C-N-CA	5.95	132.91	121.54
4	3P	87	SER	CA-C-N	5.95	125.83	119.28
4	3P	87	SER	C-N-CA	5.95	125.83	119.28
2	3R	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	3V	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	3Z	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	37	36	SER	CA-C-N	5.95	132.91	121.54
2	37	36	SER	C-N-CA	5.95	132.91	121.54
4	39	87	SER	CA-C-N	5.95	125.83	119.28
4	39	87	SER	C-N-CA	5.95	125.83	119.28
1	4A	94	THR	CA-CB-CG2	5.95	120.61	110.50
2	4J	36	SER	CA-C-N	5.95	132.91	121.54
2	4J	36	SER	C-N-CA	5.95	132.91	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	4L	87	SER	CA-C-N	5.95	125.83	119.28
4	4L	87	SER	C-N-CA	5.95	125.83	119.28
1	4M	94	THR	CA-CB-CG2	5.95	120.61	110.50
2	4R	36	SER	CA-C-N	5.95	132.91	121.54
2	4R	36	SER	C-N-CA	5.95	132.91	121.54
4	4T	87	SER	CA-C-N	5.95	125.83	119.28
4	4T	87	SER	C-N-CA	5.95	125.83	119.28
1	4U	94	THR	CA-CB-CG2	5.95	120.61	110.50
2	5F	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	5J	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	5N	218	ARG	CA-CB-CG	-5.95	102.20	114.10
1	5Q	94	THR	CA-CB-CG2	5.95	120.61	110.50
2	5Z	36	SER	CA-C-N	5.95	132.91	121.54
2	5Z	36	SER	C-N-CA	5.95	132.91	121.54
4	51	87	SER	CA-C-N	5.95	125.83	119.28
4	51	87	SER	C-N-CA	5.95	125.83	119.28
2	6F	36	SER	CA-C-N	5.95	132.91	121.54
2	6F	36	SER	C-N-CA	5.95	132.91	121.54
4	6H	87	SER	CA-C-N	5.95	125.83	119.28
4	6H	87	SER	C-N-CA	5.95	125.83	119.28
1	6I	94	THR	CA-CB-CG2	5.95	120.61	110.50
1	6Q	94	THR	CA-CB-CG2	5.95	120.61	110.50
2	6Z	36	SER	CA-C-N	5.95	132.91	121.54
2	6Z	36	SER	C-N-CA	5.95	132.91	121.54
4	61	87	SER	CA-C-N	5.95	125.83	119.28
4	61	87	SER	C-N-CA	5.95	125.83	119.28
2	63	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	67	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	7B	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	7J	36	SER	CA-C-N	5.95	132.91	121.54
2	7J	36	SER	C-N-CA	5.95	132.91	121.54
4	7L	87	SER	CA-C-N	5.95	125.83	119.28
4	7L	87	SER	C-N-CA	5.95	125.83	119.28
1	7M	94	THR	CA-CB-CG2	5.95	120.61	110.50
2	7V	36	SER	CA-C-N	5.95	132.91	121.54
2	7V	36	SER	C-N-CA	5.95	132.91	121.54
4	7X	87	SER	CA-C-N	5.95	125.83	119.28
4	7X	87	SER	C-N-CA	5.95	125.83	119.28
2	1F	47	ASP	CB-CG-OD1	-5.95	104.72	118.40
2	1F	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	1N	36	SER	CA-C-N	5.95	132.90	121.54
2	1N	36	SER	C-N-CA	5.95	132.90	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2J	36	SER	CA-C-N	5.95	132.90	121.54
2	2J	36	SER	C-N-CA	5.95	132.90	121.54
2	2N	47	ASP	CB-CG-OD1	-5.95	104.72	118.40
2	2N	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	23	47	ASP	CB-CG-OD1	-5.95	104.72	118.40
2	23	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	3B	36	SER	CA-C-N	5.95	132.90	121.54
2	3B	36	SER	C-N-CA	5.95	132.90	121.54
2	3J	36	SER	CA-C-N	5.95	132.90	121.54
2	3J	36	SER	C-N-CA	5.95	132.90	121.54
2	3N	47	ASP	CB-CG-OD1	-5.95	104.72	118.40
2	3N	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	33	36	SER	CA-C-N	5.95	132.90	121.54
2	33	36	SER	C-N-CA	5.95	132.90	121.54
2	37	47	ASP	CB-CG-OD1	-5.95	104.72	118.40
2	37	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	4F	36	SER	CA-C-N	5.95	132.90	121.54
2	4F	36	SER	C-N-CA	5.95	132.90	121.54
2	4J	47	ASP	CB-CG-OD1	-5.95	104.72	118.40
2	4J	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	4R	47	ASP	CB-CG-OD1	-5.95	104.72	118.40
2	4R	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	4Z	36	SER	CA-C-N	5.95	132.90	121.54
2	4Z	36	SER	C-N-CA	5.95	132.90	121.54
2	5V	36	SER	CA-C-N	5.95	132.90	121.54
2	5V	36	SER	C-N-CA	5.95	132.90	121.54
2	5Z	47	ASP	CB-CG-OD1	-5.95	104.72	118.40
2	5Z	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	6F	47	ASP	CB-CG-OD1	-5.95	104.72	118.40
2	6F	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	6N	36	SER	CA-C-N	5.95	132.90	121.54
2	6N	36	SER	C-N-CA	5.95	132.90	121.54
2	6V	36	SER	CA-C-N	5.95	132.90	121.54
2	6V	36	SER	C-N-CA	5.95	132.90	121.54
2	6Z	47	ASP	CB-CG-OD1	-5.95	104.72	118.40
2	6Z	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	7F	36	SER	CA-C-N	5.95	132.90	121.54
2	7F	36	SER	C-N-CA	5.95	132.90	121.54
2	7J	47	ASP	CB-CG-OD1	-5.95	104.72	118.40
2	7J	218	ARG	CA-CB-CG	-5.95	102.20	114.10
2	7R	36	SER	CA-C-N	5.95	132.90	121.54
2	7R	36	SER	C-N-CA	5.95	132.90	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7V	47	ASP	CB-CG-OD1	-5.95	104.72	118.40
2	7V	218	ARG	CA-CB-CG	-5.95	102.20	114.10
1	1E	136	PRO	CA-C-N	-5.95	111.97	120.42
1	1E	136	PRO	C-N-CA	-5.95	111.97	120.42
1	2M	136	PRO	CA-C-N	-5.95	111.97	120.42
1	2M	136	PRO	C-N-CA	-5.95	111.97	120.42
1	22	136	PRO	CA-C-N	-5.95	111.97	120.42
1	22	136	PRO	C-N-CA	-5.95	111.97	120.42
1	3M	136	PRO	CA-C-N	-5.95	111.97	120.42
1	3M	136	PRO	C-N-CA	-5.95	111.97	120.42
1	36	136	PRO	CA-C-N	-5.95	111.97	120.42
1	36	136	PRO	C-N-CA	-5.95	111.97	120.42
1	4I	136	PRO	CA-C-N	-5.95	111.97	120.42
1	4I	136	PRO	C-N-CA	-5.95	111.97	120.42
1	4Q	136	PRO	CA-C-N	-5.95	111.97	120.42
1	4Q	136	PRO	C-N-CA	-5.95	111.97	120.42
1	5Y	136	PRO	CA-C-N	-5.95	111.97	120.42
1	5Y	136	PRO	C-N-CA	-5.95	111.97	120.42
1	6E	136	PRO	CA-C-N	-5.95	111.97	120.42
1	6E	136	PRO	C-N-CA	-5.95	111.97	120.42
1	6Y	136	PRO	CA-C-N	-5.95	111.97	120.42
1	6Y	136	PRO	C-N-CA	-5.95	111.97	120.42
1	7I	136	PRO	CA-C-N	-5.95	111.97	120.42
1	7I	136	PRO	C-N-CA	-5.95	111.97	120.42
1	7U	136	PRO	CA-C-N	-5.95	111.97	120.42
1	7U	136	PRO	C-N-CA	-5.95	111.97	120.42
2	1N	175	THR	N-CA-C	5.95	118.65	111.40
1	12	89	PHE	N-CA-C	-5.95	94.35	111.00
1	12	102	ASP	CA-CB-CG	-5.95	106.66	112.60
1	16	89	PHE	N-CA-C	-5.95	94.35	111.00
1	16	102	ASP	CA-CB-CG	-5.95	106.66	112.60
1	2A	89	PHE	N-CA-C	-5.95	94.35	111.00
1	2A	102	ASP	CA-CB-CG	-5.95	106.66	112.60
2	2J	175	THR	N-CA-C	5.95	118.65	111.40
2	3B	175	THR	N-CA-C	5.95	118.65	111.40
2	3J	175	THR	N-CA-C	5.95	118.65	111.40
1	3Q	89	PHE	N-CA-C	-5.95	94.35	111.00
1	3Q	102	ASP	CA-CB-CG	-5.95	106.66	112.60
1	3U	89	PHE	N-CA-C	-5.95	94.35	111.00
1	3U	102	ASP	CA-CB-CG	-5.95	106.66	112.60
1	3Y	89	PHE	N-CA-C	-5.95	94.35	111.00
1	3Y	102	ASP	CA-CB-CG	-5.95	106.66	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	175	THR	N-CA-C	5.95	118.65	111.40
2	4F	175	THR	N-CA-C	5.95	118.65	111.40
2	4Z	175	THR	N-CA-C	5.95	118.65	111.40
1	5E	89	PHE	N-CA-C	-5.95	94.35	111.00
1	5E	102	ASP	CA-CB-CG	-5.95	106.66	112.60
1	5I	89	PHE	N-CA-C	-5.95	94.35	111.00
1	5I	102	ASP	CA-CB-CG	-5.95	106.66	112.60
1	5M	89	PHE	N-CA-C	-5.95	94.35	111.00
1	5M	102	ASP	CA-CB-CG	-5.95	106.66	112.60
2	5V	175	THR	N-CA-C	5.95	118.65	111.40
2	6N	175	THR	N-CA-C	5.95	118.65	111.40
2	6V	175	THR	N-CA-C	5.95	118.65	111.40
1	62	89	PHE	N-CA-C	-5.95	94.35	111.00
1	62	102	ASP	CA-CB-CG	-5.95	106.66	112.60
1	66	89	PHE	N-CA-C	-5.95	94.35	111.00
1	66	102	ASP	CA-CB-CG	-5.95	106.66	112.60
1	7A	89	PHE	N-CA-C	-5.95	94.35	111.00
1	7A	102	ASP	CA-CB-CG	-5.95	106.66	112.60
2	7F	175	THR	N-CA-C	5.95	118.65	111.40
2	7R	175	THR	N-CA-C	5.95	118.65	111.40
1	1E	94	THR	CA-CB-CG2	5.94	120.60	110.50
1	2M	94	THR	CA-CB-CG2	5.94	120.60	110.50
1	22	94	THR	CA-CB-CG2	5.94	120.60	110.50
1	3M	94	THR	CA-CB-CG2	5.94	120.60	110.50
1	36	94	THR	CA-CB-CG2	5.94	120.60	110.50
1	4I	94	THR	CA-CB-CG2	5.94	120.60	110.50
1	4Q	94	THR	CA-CB-CG2	5.94	120.60	110.50
1	5Y	94	THR	CA-CB-CG2	5.94	120.60	110.50
1	6E	94	THR	CA-CB-CG2	5.94	120.60	110.50
1	6Y	94	THR	CA-CB-CG2	5.94	120.60	110.50
1	7I	94	THR	CA-CB-CG2	5.94	120.60	110.50
1	7U	94	THR	CA-CB-CG2	5.94	120.60	110.50
2	13	36	SER	CA-C-N	5.94	132.89	121.54
2	13	36	SER	C-N-CA	5.94	132.89	121.54
2	17	36	SER	CA-C-N	5.94	132.89	121.54
2	17	36	SER	C-N-CA	5.94	132.89	121.54
2	2B	36	SER	CA-C-N	5.94	132.89	121.54
2	2B	36	SER	C-N-CA	5.94	132.89	121.54
2	3R	36	SER	CA-C-N	5.94	132.89	121.54
2	3R	36	SER	C-N-CA	5.94	132.89	121.54
2	3V	36	SER	CA-C-N	5.94	132.89	121.54
2	3V	36	SER	C-N-CA	5.94	132.89	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3Z	36	SER	CA-C-N	5.94	132.89	121.54
2	3Z	36	SER	C-N-CA	5.94	132.89	121.54
2	5F	36	SER	CA-C-N	5.94	132.89	121.54
2	5F	36	SER	C-N-CA	5.94	132.89	121.54
2	5J	36	SER	CA-C-N	5.94	132.89	121.54
2	5J	36	SER	C-N-CA	5.94	132.89	121.54
2	5N	36	SER	CA-C-N	5.94	132.89	121.54
2	5N	36	SER	C-N-CA	5.94	132.89	121.54
2	63	36	SER	CA-C-N	5.94	132.89	121.54
2	63	36	SER	C-N-CA	5.94	132.89	121.54
2	67	36	SER	CA-C-N	5.94	132.89	121.54
2	67	36	SER	C-N-CA	5.94	132.89	121.54
2	7B	36	SER	CA-C-N	5.94	132.89	121.54
2	7B	36	SER	C-N-CA	5.94	132.89	121.54
1	1A	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
1	1I	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
1	1M	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
4	1P	87	SER	CA-C-N	5.94	125.81	119.28
4	1P	87	SER	C-N-CA	5.94	125.81	119.28
2	13	175	THR	N-CA-C	5.94	118.65	111.40
2	17	175	THR	N-CA-C	5.94	118.65	111.40
2	2B	175	THR	N-CA-C	5.94	118.65	111.40
1	2E	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
1	2I	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
4	2L	87	SER	CA-C-N	5.94	125.81	119.28
4	2L	87	SER	C-N-CA	5.94	125.81	119.28
1	26	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
1	3A	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
4	3D	87	SER	CA-C-N	5.94	125.81	119.28
4	3D	87	SER	C-N-CA	5.94	125.81	119.28
1	3E	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
1	3I	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
4	3L	87	SER	CA-C-N	5.94	125.81	119.28
4	3L	87	SER	C-N-CA	5.94	125.81	119.28
2	3R	175	THR	N-CA-C	5.94	118.65	111.40
2	3V	175	THR	N-CA-C	5.94	118.65	111.40
2	3Z	175	THR	N-CA-C	5.94	118.65	111.40
1	32	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
4	35	87	SER	CA-C-N	5.94	125.81	119.28
4	35	87	SER	C-N-CA	5.94	125.81	119.28
1	4A	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
1	4E	145	LEU	CB-CG-CD1	-5.94	92.88	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	4H	87	SER	CA-C-N	5.94	125.81	119.28
4	4H	87	SER	C-N-CA	5.94	125.81	119.28
1	4M	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
1	4U	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
1	4Y	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
4	41	87	SER	CA-C-N	5.94	125.81	119.28
4	41	87	SER	C-N-CA	5.94	125.81	119.28
2	5F	175	THR	N-CA-C	5.94	118.65	111.40
2	5J	175	THR	N-CA-C	5.94	118.65	111.40
2	5N	175	THR	N-CA-C	5.94	118.65	111.40
1	5Q	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
1	5U	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
4	5X	87	SER	CA-C-N	5.94	125.81	119.28
4	5X	87	SER	C-N-CA	5.94	125.81	119.28
1	6I	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
1	6M	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
4	6P	87	SER	CA-C-N	5.94	125.81	119.28
4	6P	87	SER	C-N-CA	5.94	125.81	119.28
1	6Q	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
1	6U	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
4	6X	87	SER	CA-C-N	5.94	125.81	119.28
4	6X	87	SER	C-N-CA	5.94	125.81	119.28
2	63	175	THR	N-CA-C	5.94	118.65	111.40
2	67	175	THR	N-CA-C	5.94	118.65	111.40
2	7B	175	THR	N-CA-C	5.94	118.65	111.40
1	7E	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
4	7H	87	SER	CA-C-N	5.94	125.81	119.28
4	7H	87	SER	C-N-CA	5.94	125.81	119.28
1	7M	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
1	7Q	145	LEU	CB-CG-CD1	-5.94	92.88	110.70
4	7T	87	SER	CA-C-N	5.94	125.81	119.28
4	7T	87	SER	C-N-CA	5.94	125.81	119.28
2	1N	126	VAL	CA-C-N	5.94	133.13	122.38
2	1N	126	VAL	C-N-CA	5.94	133.13	122.38
2	1N	218	ARG	CA-CB-CG	-5.94	102.23	114.10
2	13	126	VAL	CA-C-N	5.94	133.13	122.38
2	13	126	VAL	C-N-CA	5.94	133.13	122.38
2	17	126	VAL	CA-C-N	5.94	133.13	122.38
2	17	126	VAL	C-N-CA	5.94	133.13	122.38
2	2B	126	VAL	CA-C-N	5.94	133.13	122.38
2	2B	126	VAL	C-N-CA	5.94	133.13	122.38
2	2J	126	VAL	CA-C-N	5.94	133.13	122.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2J	126	VAL	C-N-CA	5.94	133.13	122.38
2	2J	218	ARG	CA-CB-CG	-5.94	102.23	114.10
2	3B	126	VAL	CA-C-N	5.94	133.13	122.38
2	3B	126	VAL	C-N-CA	5.94	133.13	122.38
2	3B	218	ARG	CA-CB-CG	-5.94	102.23	114.10
2	3J	126	VAL	CA-C-N	5.94	133.13	122.38
2	3J	126	VAL	C-N-CA	5.94	133.13	122.38
2	3J	218	ARG	CA-CB-CG	-5.94	102.23	114.10
2	3R	126	VAL	CA-C-N	5.94	133.13	122.38
2	3R	126	VAL	C-N-CA	5.94	133.13	122.38
2	3V	126	VAL	CA-C-N	5.94	133.13	122.38
2	3V	126	VAL	C-N-CA	5.94	133.13	122.38
2	3Z	126	VAL	CA-C-N	5.94	133.13	122.38
2	3Z	126	VAL	C-N-CA	5.94	133.13	122.38
2	33	126	VAL	CA-C-N	5.94	133.13	122.38
2	33	126	VAL	C-N-CA	5.94	133.13	122.38
2	33	218	ARG	CA-CB-CG	-5.94	102.23	114.10
2	4F	126	VAL	CA-C-N	5.94	133.13	122.38
2	4F	126	VAL	C-N-CA	5.94	133.13	122.38
2	4F	218	ARG	CA-CB-CG	-5.94	102.23	114.10
2	4Z	126	VAL	CA-C-N	5.94	133.13	122.38
2	4Z	126	VAL	C-N-CA	5.94	133.13	122.38
2	4Z	218	ARG	CA-CB-CG	-5.94	102.23	114.10
2	5F	126	VAL	CA-C-N	5.94	133.13	122.38
2	5F	126	VAL	C-N-CA	5.94	133.13	122.38
2	5J	126	VAL	CA-C-N	5.94	133.13	122.38
2	5J	126	VAL	C-N-CA	5.94	133.13	122.38
2	5N	126	VAL	CA-C-N	5.94	133.13	122.38
2	5N	126	VAL	C-N-CA	5.94	133.13	122.38
2	5V	126	VAL	CA-C-N	5.94	133.13	122.38
2	5V	126	VAL	C-N-CA	5.94	133.13	122.38
2	5V	218	ARG	CA-CB-CG	-5.94	102.23	114.10
2	6N	126	VAL	CA-C-N	5.94	133.13	122.38
2	6N	126	VAL	C-N-CA	5.94	133.13	122.38
2	6N	218	ARG	CA-CB-CG	-5.94	102.23	114.10
2	6V	126	VAL	CA-C-N	5.94	133.13	122.38
2	6V	126	VAL	C-N-CA	5.94	133.13	122.38
2	6V	218	ARG	CA-CB-CG	-5.94	102.23	114.10
2	63	126	VAL	CA-C-N	5.94	133.13	122.38
2	63	126	VAL	C-N-CA	5.94	133.13	122.38
2	67	126	VAL	CA-C-N	5.94	133.13	122.38
2	67	126	VAL	C-N-CA	5.94	133.13	122.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7B	126	VAL	CA-C-N	5.94	133.13	122.38
2	7B	126	VAL	C-N-CA	5.94	133.13	122.38
2	7F	126	VAL	CA-C-N	5.94	133.13	122.38
2	7F	126	VAL	C-N-CA	5.94	133.13	122.38
2	7F	218	ARG	CA-CB-CG	-5.94	102.23	114.10
2	7R	126	VAL	CA-C-N	5.94	133.13	122.38
2	7R	126	VAL	C-N-CA	5.94	133.13	122.38
2	7R	218	ARG	CA-CB-CG	-5.94	102.23	114.10
1	1Q	136	PRO	CA-C-N	-5.94	111.99	120.42
1	1Q	136	PRO	C-N-CA	-5.94	111.99	120.42
1	1Q	145	LEU	CB-CG-CD1	-5.94	92.89	110.70
1	1U	136	PRO	CA-C-N	-5.94	111.99	120.42
1	1U	136	PRO	C-N-CA	-5.94	111.99	120.42
1	1U	145	LEU	CB-CG-CD1	-5.94	92.89	110.70
1	1Y	136	PRO	CA-C-N	-5.94	111.99	120.42
1	1Y	136	PRO	C-N-CA	-5.94	111.99	120.42
1	1Y	145	LEU	CB-CG-CD1	-5.94	92.89	110.70
1	2Q	136	PRO	CA-C-N	-5.94	111.99	120.42
1	2Q	136	PRO	C-N-CA	-5.94	111.99	120.42
1	2Q	145	LEU	CB-CG-CD1	-5.94	92.89	110.70
1	2U	136	PRO	CA-C-N	-5.94	111.99	120.42
1	2U	136	PRO	C-N-CA	-5.94	111.99	120.42
1	2U	145	LEU	CB-CG-CD1	-5.94	92.89	110.70
1	2Y	136	PRO	CA-C-N	-5.94	111.99	120.42
1	2Y	136	PRO	C-N-CA	-5.94	111.99	120.42
1	2Y	145	LEU	CB-CG-CD1	-5.94	92.89	110.70
1	42	136	PRO	CA-C-N	-5.94	111.99	120.42
1	42	136	PRO	C-N-CA	-5.94	111.99	120.42
1	42	145	LEU	CB-CG-CD1	-5.94	92.89	110.70
1	46	136	PRO	CA-C-N	-5.94	111.99	120.42
1	46	136	PRO	C-N-CA	-5.94	111.99	120.42
1	46	145	LEU	CB-CG-CD1	-5.94	92.89	110.70
1	5A	136	PRO	CA-C-N	-5.94	111.99	120.42
1	5A	136	PRO	C-N-CA	-5.94	111.99	120.42
1	5A	145	LEU	CB-CG-CD1	-5.94	92.89	110.70
1	52	136	PRO	CA-C-N	-5.94	111.99	120.42
1	52	136	PRO	C-N-CA	-5.94	111.99	120.42
1	52	145	LEU	CB-CG-CD1	-5.94	92.89	110.70
1	56	136	PRO	CA-C-N	-5.94	111.99	120.42
1	56	136	PRO	C-N-CA	-5.94	111.99	120.42
1	56	145	LEU	CB-CG-CD1	-5.94	92.89	110.70
1	6A	136	PRO	CA-C-N	-5.94	111.99	120.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6A	136	PRO	C-N-CA	-5.94	111.99	120.42
1	6A	145	LEU	CB-CG-CD1	-5.94	92.89	110.70
1	1A	102	ASP	CA-CB-CG	-5.93	106.67	112.60
1	1A	136	PRO	CA-C-N	-5.93	111.99	120.42
1	1A	136	PRO	C-N-CA	-5.93	111.99	120.42
1	1E	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	1I	102	ASP	CA-CB-CG	-5.93	106.67	112.60
1	1I	136	PRO	CA-C-N	-5.93	111.99	120.42
1	1I	136	PRO	C-N-CA	-5.93	111.99	120.42
1	1M	94	THR	CA-CB-CG2	5.93	120.59	110.50
1	12	136	PRO	CA-C-N	-5.93	111.99	120.42
1	12	136	PRO	C-N-CA	-5.93	111.99	120.42
1	12	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	16	136	PRO	CA-C-N	-5.93	111.99	120.42
1	16	136	PRO	C-N-CA	-5.93	111.99	120.42
1	16	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	2A	136	PRO	CA-C-N	-5.93	111.99	120.42
1	2A	136	PRO	C-N-CA	-5.93	111.99	120.42
1	2A	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	2E	102	ASP	CA-CB-CG	-5.93	106.67	112.60
1	2E	136	PRO	CA-C-N	-5.93	111.99	120.42
1	2E	136	PRO	C-N-CA	-5.93	111.99	120.42
1	2I	94	THR	CA-CB-CG2	5.93	120.59	110.50
1	2M	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	22	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	26	102	ASP	CA-CB-CG	-5.93	106.67	112.60
1	26	136	PRO	CA-C-N	-5.93	111.99	120.42
1	26	136	PRO	C-N-CA	-5.93	111.99	120.42
1	3A	94	THR	CA-CB-CG2	5.93	120.59	110.50
1	3E	102	ASP	CA-CB-CG	-5.93	106.67	112.60
1	3E	136	PRO	CA-C-N	-5.93	111.99	120.42
1	3E	136	PRO	C-N-CA	-5.93	111.99	120.42
1	3I	94	THR	CA-CB-CG2	5.93	120.59	110.50
1	3M	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	3Q	136	PRO	CA-C-N	-5.93	111.99	120.42
1	3Q	136	PRO	C-N-CA	-5.93	111.99	120.42
1	3Q	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	3U	136	PRO	CA-C-N	-5.93	111.99	120.42
1	3U	136	PRO	C-N-CA	-5.93	111.99	120.42
1	3U	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	3Y	136	PRO	CA-C-N	-5.93	111.99	120.42
1	3Y	136	PRO	C-N-CA	-5.93	111.99	120.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Y	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	32	94	THR	CA-CB-CG2	5.93	120.59	110.50
1	36	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	4A	102	ASP	CA-CB-CG	-5.93	106.67	112.60
1	4A	136	PRO	CA-C-N	-5.93	111.99	120.42
1	4A	136	PRO	C-N-CA	-5.93	111.99	120.42
1	4E	94	THR	CA-CB-CG2	5.93	120.59	110.50
1	4I	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	4M	102	ASP	CA-CB-CG	-5.93	106.67	112.60
1	4M	136	PRO	CA-C-N	-5.93	111.99	120.42
1	4M	136	PRO	C-N-CA	-5.93	111.99	120.42
1	4Q	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	4U	102	ASP	CA-CB-CG	-5.93	106.67	112.60
1	4U	136	PRO	CA-C-N	-5.93	111.99	120.42
1	4U	136	PRO	C-N-CA	-5.93	111.99	120.42
1	4Y	94	THR	CA-CB-CG2	5.93	120.59	110.50
1	5E	136	PRO	CA-C-N	-5.93	111.99	120.42
1	5E	136	PRO	C-N-CA	-5.93	111.99	120.42
1	5E	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	5I	136	PRO	CA-C-N	-5.93	111.99	120.42
1	5I	136	PRO	C-N-CA	-5.93	111.99	120.42
1	5I	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	5M	136	PRO	CA-C-N	-5.93	111.99	120.42
1	5M	136	PRO	C-N-CA	-5.93	111.99	120.42
1	5M	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	5Q	102	ASP	CA-CB-CG	-5.93	106.67	112.60
1	5Q	136	PRO	CA-C-N	-5.93	111.99	120.42
1	5Q	136	PRO	C-N-CA	-5.93	111.99	120.42
1	5U	94	THR	CA-CB-CG2	5.93	120.59	110.50
1	5Y	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	6E	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	6I	102	ASP	CA-CB-CG	-5.93	106.67	112.60
1	6I	136	PRO	CA-C-N	-5.93	111.99	120.42
1	6I	136	PRO	C-N-CA	-5.93	111.99	120.42
1	6M	94	THR	CA-CB-CG2	5.93	120.59	110.50
1	6Q	102	ASP	CA-CB-CG	-5.93	106.67	112.60
1	6Q	136	PRO	CA-C-N	-5.93	111.99	120.42
1	6Q	136	PRO	C-N-CA	-5.93	111.99	120.42
1	6U	94	THR	CA-CB-CG2	5.93	120.59	110.50
1	6Y	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	62	136	PRO	CA-C-N	-5.93	111.99	120.42
1	62	136	PRO	C-N-CA	-5.93	111.99	120.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	62	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	66	136	PRO	CA-C-N	-5.93	111.99	120.42
1	66	136	PRO	C-N-CA	-5.93	111.99	120.42
1	66	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	7A	136	PRO	CA-C-N	-5.93	111.99	120.42
1	7A	136	PRO	C-N-CA	-5.93	111.99	120.42
1	7A	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	7E	94	THR	CA-CB-CG2	5.93	120.59	110.50
1	7I	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
1	7M	102	ASP	CA-CB-CG	-5.93	106.67	112.60
1	7M	136	PRO	CA-C-N	-5.93	111.99	120.42
1	7M	136	PRO	C-N-CA	-5.93	111.99	120.42
1	7Q	94	THR	CA-CB-CG2	5.93	120.59	110.50
1	7U	145	LEU	CB-CG-CD1	-5.93	92.90	110.70
2	1B	228	ASP	OD1-CG-OD2	5.93	137.14	122.90
2	1J	228	ASP	OD1-CG-OD2	5.93	137.14	122.90
2	2F	228	ASP	OD1-CG-OD2	5.93	137.14	122.90
2	27	228	ASP	OD1-CG-OD2	5.93	137.14	122.90
2	3F	228	ASP	OD1-CG-OD2	5.93	137.14	122.90
2	4B	228	ASP	OD1-CG-OD2	5.93	137.14	122.90
2	4N	228	ASP	OD1-CG-OD2	5.93	137.14	122.90
2	4V	228	ASP	OD1-CG-OD2	5.93	137.14	122.90
2	5R	228	ASP	OD1-CG-OD2	5.93	137.14	122.90
2	6J	228	ASP	OD1-CG-OD2	5.93	137.14	122.90
2	6R	228	ASP	OD1-CG-OD2	5.93	137.14	122.90
2	7N	228	ASP	OD1-CG-OD2	5.93	137.14	122.90
2	1R	218	ARG	CA-CB-CG	-5.93	102.24	114.10
2	1V	218	ARG	CA-CB-CG	-5.93	102.24	114.10
2	1Z	218	ARG	CA-CB-CG	-5.93	102.24	114.10
2	2R	218	ARG	CA-CB-CG	-5.93	102.24	114.10
2	2V	218	ARG	CA-CB-CG	-5.93	102.24	114.10
2	2Z	218	ARG	CA-CB-CG	-5.93	102.24	114.10
2	43	218	ARG	CA-CB-CG	-5.93	102.24	114.10
2	47	218	ARG	CA-CB-CG	-5.93	102.24	114.10
2	5B	218	ARG	CA-CB-CG	-5.93	102.24	114.10
2	53	218	ARG	CA-CB-CG	-5.93	102.24	114.10
2	57	218	ARG	CA-CB-CG	-5.93	102.24	114.10
2	6B	218	ARG	CA-CB-CG	-5.93	102.24	114.10
2	1B	126	VAL	CA-C-N	5.93	133.11	122.38
2	1B	126	VAL	C-N-CA	5.93	133.11	122.38
2	1J	126	VAL	CA-C-N	5.93	133.11	122.38
2	1J	126	VAL	C-N-CA	5.93	133.11	122.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2F	126	VAL	CA-C-N	5.93	133.11	122.38
2	2F	126	VAL	C-N-CA	5.93	133.11	122.38
2	27	126	VAL	CA-C-N	5.93	133.11	122.38
2	27	126	VAL	C-N-CA	5.93	133.11	122.38
2	3F	126	VAL	CA-C-N	5.93	133.11	122.38
2	3F	126	VAL	C-N-CA	5.93	133.11	122.38
2	4B	126	VAL	CA-C-N	5.93	133.11	122.38
2	4B	126	VAL	C-N-CA	5.93	133.11	122.38
2	4N	126	VAL	CA-C-N	5.93	133.11	122.38
2	4N	126	VAL	C-N-CA	5.93	133.11	122.38
2	4V	126	VAL	CA-C-N	5.93	133.11	122.38
2	4V	126	VAL	C-N-CA	5.93	133.11	122.38
2	5R	126	VAL	CA-C-N	5.93	133.11	122.38
2	5R	126	VAL	C-N-CA	5.93	133.11	122.38
2	6J	126	VAL	CA-C-N	5.93	133.11	122.38
2	6J	126	VAL	C-N-CA	5.93	133.11	122.38
2	6R	126	VAL	CA-C-N	5.93	133.11	122.38
2	6R	126	VAL	C-N-CA	5.93	133.11	122.38
2	7N	126	VAL	CA-C-N	5.93	133.11	122.38
2	7N	126	VAL	C-N-CA	5.93	133.11	122.38
1	1E	49	LEU	CA-C-N	5.93	132.86	121.54
1	1E	49	LEU	C-N-CA	5.93	132.86	121.54
1	2M	49	LEU	CA-C-N	5.93	132.86	121.54
1	2M	49	LEU	C-N-CA	5.93	132.86	121.54
1	22	49	LEU	CA-C-N	5.93	132.86	121.54
1	22	49	LEU	C-N-CA	5.93	132.86	121.54
1	3M	49	LEU	CA-C-N	5.93	132.86	121.54
1	3M	49	LEU	C-N-CA	5.93	132.86	121.54
1	36	49	LEU	CA-C-N	5.93	132.86	121.54
1	36	49	LEU	C-N-CA	5.93	132.86	121.54
1	4I	49	LEU	CA-C-N	5.93	132.86	121.54
1	4I	49	LEU	C-N-CA	5.93	132.86	121.54
1	4Q	49	LEU	CA-C-N	5.93	132.86	121.54
1	4Q	49	LEU	C-N-CA	5.93	132.86	121.54
1	5Y	49	LEU	CA-C-N	5.93	132.86	121.54
1	5Y	49	LEU	C-N-CA	5.93	132.86	121.54
1	6E	49	LEU	CA-C-N	5.93	132.86	121.54
1	6E	49	LEU	C-N-CA	5.93	132.86	121.54
1	6Y	49	LEU	CA-C-N	5.93	132.86	121.54
1	6Y	49	LEU	C-N-CA	5.93	132.86	121.54
1	7I	49	LEU	CA-C-N	5.93	132.86	121.54
1	7I	49	LEU	C-N-CA	5.93	132.86	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	49	LEU	CA-C-N	5.93	132.86	121.54
1	7U	49	LEU	C-N-CA	5.93	132.86	121.54
1	1Q	94	THR	CA-CB-CG2	5.92	120.57	110.50
1	1U	94	THR	CA-CB-CG2	5.92	120.57	110.50
1	1Y	94	THR	CA-CB-CG2	5.92	120.57	110.50
1	12	49	LEU	CA-C-N	5.92	132.85	121.54
1	12	49	LEU	C-N-CA	5.92	132.85	121.54
1	16	49	LEU	CA-C-N	5.92	132.85	121.54
1	16	49	LEU	C-N-CA	5.92	132.85	121.54
1	2A	49	LEU	CA-C-N	5.92	132.85	121.54
1	2A	49	LEU	C-N-CA	5.92	132.85	121.54
1	2Q	94	THR	CA-CB-CG2	5.92	120.57	110.50
1	2U	94	THR	CA-CB-CG2	5.92	120.57	110.50
1	2Y	94	THR	CA-CB-CG2	5.92	120.57	110.50
1	3Q	49	LEU	CA-C-N	5.92	132.85	121.54
1	3Q	49	LEU	C-N-CA	5.92	132.85	121.54
1	3U	49	LEU	CA-C-N	5.92	132.85	121.54
1	3U	49	LEU	C-N-CA	5.92	132.85	121.54
1	3Y	49	LEU	CA-C-N	5.92	132.85	121.54
1	3Y	49	LEU	C-N-CA	5.92	132.85	121.54
1	42	94	THR	CA-CB-CG2	5.92	120.57	110.50
1	46	94	THR	CA-CB-CG2	5.92	120.57	110.50
1	5A	94	THR	CA-CB-CG2	5.92	120.57	110.50
1	5E	49	LEU	CA-C-N	5.92	132.85	121.54
1	5E	49	LEU	C-N-CA	5.92	132.85	121.54
1	5I	49	LEU	CA-C-N	5.92	132.85	121.54
1	5I	49	LEU	C-N-CA	5.92	132.85	121.54
1	5M	49	LEU	CA-C-N	5.92	132.85	121.54
1	5M	49	LEU	C-N-CA	5.92	132.85	121.54
1	52	94	THR	CA-CB-CG2	5.92	120.57	110.50
1	56	94	THR	CA-CB-CG2	5.92	120.57	110.50
1	6A	94	THR	CA-CB-CG2	5.92	120.57	110.50
1	62	49	LEU	CA-C-N	5.92	132.85	121.54
1	62	49	LEU	C-N-CA	5.92	132.85	121.54
1	66	49	LEU	CA-C-N	5.92	132.85	121.54
1	66	49	LEU	C-N-CA	5.92	132.85	121.54
1	7A	49	LEU	CA-C-N	5.92	132.85	121.54
1	7A	49	LEU	C-N-CA	5.92	132.85	121.54
2	1F	126	VAL	CA-C-N	5.92	133.09	122.38
2	1F	126	VAL	C-N-CA	5.92	133.09	122.38
2	13	228	ASP	OD1-CG-OD2	5.92	137.10	122.90
2	17	228	ASP	OD1-CG-OD2	5.92	137.10	122.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	228	ASP	OD1-CG-OD2	5.92	137.10	122.90
2	2N	126	VAL	CA-C-N	5.92	133.09	122.38
2	2N	126	VAL	C-N-CA	5.92	133.09	122.38
2	23	126	VAL	CA-C-N	5.92	133.09	122.38
2	23	126	VAL	C-N-CA	5.92	133.09	122.38
2	3N	126	VAL	CA-C-N	5.92	133.09	122.38
2	3N	126	VAL	C-N-CA	5.92	133.09	122.38
2	3R	228	ASP	OD1-CG-OD2	5.92	137.10	122.90
2	3V	228	ASP	OD1-CG-OD2	5.92	137.10	122.90
2	3Z	228	ASP	OD1-CG-OD2	5.92	137.10	122.90
2	37	126	VAL	CA-C-N	5.92	133.09	122.38
2	37	126	VAL	C-N-CA	5.92	133.09	122.38
2	4J	126	VAL	CA-C-N	5.92	133.09	122.38
2	4J	126	VAL	C-N-CA	5.92	133.09	122.38
2	4R	126	VAL	CA-C-N	5.92	133.09	122.38
2	4R	126	VAL	C-N-CA	5.92	133.09	122.38
2	5F	228	ASP	OD1-CG-OD2	5.92	137.10	122.90
2	5J	228	ASP	OD1-CG-OD2	5.92	137.10	122.90
2	5N	228	ASP	OD1-CG-OD2	5.92	137.10	122.90
2	5Z	126	VAL	CA-C-N	5.92	133.09	122.38
2	5Z	126	VAL	C-N-CA	5.92	133.09	122.38
2	6F	126	VAL	CA-C-N	5.92	133.09	122.38
2	6F	126	VAL	C-N-CA	5.92	133.09	122.38
2	6Z	126	VAL	CA-C-N	5.92	133.09	122.38
2	6Z	126	VAL	C-N-CA	5.92	133.09	122.38
2	63	228	ASP	OD1-CG-OD2	5.92	137.10	122.90
2	67	228	ASP	OD1-CG-OD2	5.92	137.10	122.90
2	7B	228	ASP	OD1-CG-OD2	5.92	137.10	122.90
2	7J	126	VAL	CA-C-N	5.92	133.09	122.38
2	7J	126	VAL	C-N-CA	5.92	133.09	122.38
2	7V	126	VAL	CA-C-N	5.92	133.09	122.38
2	7V	126	VAL	C-N-CA	5.92	133.09	122.38
1	1M	49	LEU	CA-C-N	5.92	132.84	121.54
1	1M	49	LEU	C-N-CA	5.92	132.84	121.54
1	2I	49	LEU	CA-C-N	5.92	132.84	121.54
1	2I	49	LEU	C-N-CA	5.92	132.84	121.54
1	3A	49	LEU	CA-C-N	5.92	132.84	121.54
1	3A	49	LEU	C-N-CA	5.92	132.84	121.54
1	3I	49	LEU	CA-C-N	5.92	132.84	121.54
1	3I	49	LEU	C-N-CA	5.92	132.84	121.54
1	32	49	LEU	CA-C-N	5.92	132.84	121.54
1	32	49	LEU	C-N-CA	5.92	132.84	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	49	LEU	CA-C-N	5.92	132.84	121.54
1	4E	49	LEU	C-N-CA	5.92	132.84	121.54
1	4Y	49	LEU	CA-C-N	5.92	132.84	121.54
1	4Y	49	LEU	C-N-CA	5.92	132.84	121.54
1	5U	49	LEU	CA-C-N	5.92	132.84	121.54
1	5U	49	LEU	C-N-CA	5.92	132.84	121.54
1	6M	49	LEU	CA-C-N	5.92	132.84	121.54
1	6M	49	LEU	C-N-CA	5.92	132.84	121.54
1	6U	49	LEU	CA-C-N	5.92	132.84	121.54
1	6U	49	LEU	C-N-CA	5.92	132.84	121.54
1	7E	49	LEU	CA-C-N	5.92	132.84	121.54
1	7E	49	LEU	C-N-CA	5.92	132.84	121.54
1	7Q	49	LEU	CA-C-N	5.92	132.84	121.54
1	7Q	49	LEU	C-N-CA	5.92	132.84	121.54
1	1E	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	2M	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	22	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	3M	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	36	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	4I	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	4Q	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	5Y	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	6E	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	6Y	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	7I	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	7U	102	ASP	CA-CB-CG	-5.91	106.69	112.60
2	1F	228	ASP	OD1-CG-OD2	5.91	137.09	122.90
1	1M	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	1M	136	PRO	CA-C-N	-5.91	112.03	120.42
1	1M	136	PRO	C-N-CA	-5.91	112.03	120.42
1	2I	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	2I	136	PRO	CA-C-N	-5.91	112.03	120.42
1	2I	136	PRO	C-N-CA	-5.91	112.03	120.42
2	2N	228	ASP	OD1-CG-OD2	5.91	137.09	122.90
2	23	228	ASP	OD1-CG-OD2	5.91	137.09	122.90
1	3A	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	3A	136	PRO	CA-C-N	-5.91	112.03	120.42
1	3A	136	PRO	C-N-CA	-5.91	112.03	120.42
1	3I	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	3I	136	PRO	CA-C-N	-5.91	112.03	120.42
1	3I	136	PRO	C-N-CA	-5.91	112.03	120.42
2	3N	228	ASP	OD1-CG-OD2	5.91	137.09	122.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	32	136	PRO	CA-C-N	-5.91	112.03	120.42
1	32	136	PRO	C-N-CA	-5.91	112.03	120.42
2	37	228	ASP	OD1-CG-OD2	5.91	137.09	122.90
1	4E	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	4E	136	PRO	CA-C-N	-5.91	112.03	120.42
1	4E	136	PRO	C-N-CA	-5.91	112.03	120.42
2	4J	228	ASP	OD1-CG-OD2	5.91	137.09	122.90
2	4R	228	ASP	OD1-CG-OD2	5.91	137.09	122.90
1	4Y	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	4Y	136	PRO	CA-C-N	-5.91	112.03	120.42
1	4Y	136	PRO	C-N-CA	-5.91	112.03	120.42
1	5U	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	5U	136	PRO	CA-C-N	-5.91	112.03	120.42
1	5U	136	PRO	C-N-CA	-5.91	112.03	120.42
2	5Z	228	ASP	OD1-CG-OD2	5.91	137.09	122.90
2	6F	228	ASP	OD1-CG-OD2	5.91	137.09	122.90
1	6M	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	6M	136	PRO	CA-C-N	-5.91	112.03	120.42
1	6M	136	PRO	C-N-CA	-5.91	112.03	120.42
1	6U	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	6U	136	PRO	CA-C-N	-5.91	112.03	120.42
1	6U	136	PRO	C-N-CA	-5.91	112.03	120.42
2	6Z	228	ASP	OD1-CG-OD2	5.91	137.09	122.90
1	7E	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	7E	136	PRO	CA-C-N	-5.91	112.03	120.42
1	7E	136	PRO	C-N-CA	-5.91	112.03	120.42
2	7J	228	ASP	OD1-CG-OD2	5.91	137.09	122.90
1	7Q	102	ASP	CA-CB-CG	-5.91	106.69	112.60
1	7Q	136	PRO	CA-C-N	-5.91	112.03	120.42
1	7Q	136	PRO	C-N-CA	-5.91	112.03	120.42
2	7V	228	ASP	OD1-CG-OD2	5.91	137.09	122.90
1	1A	49	LEU	CA-C-N	5.91	132.83	121.54
1	1A	49	LEU	C-N-CA	5.91	132.83	121.54
1	1I	49	LEU	CA-C-N	5.91	132.83	121.54
1	1I	49	LEU	C-N-CA	5.91	132.83	121.54
2	1R	126	VAL	CA-C-N	5.91	133.08	122.38
2	1R	126	VAL	C-N-CA	5.91	133.08	122.38
2	1V	126	VAL	CA-C-N	5.91	133.08	122.38
2	1V	126	VAL	C-N-CA	5.91	133.08	122.38
2	1Z	126	VAL	CA-C-N	5.91	133.08	122.38
2	1Z	126	VAL	C-N-CA	5.91	133.08	122.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2E	49	LEU	CA-C-N	5.91	132.83	121.54
1	2E	49	LEU	C-N-CA	5.91	132.83	121.54
2	2R	126	VAL	CA-C-N	5.91	133.08	122.38
2	2R	126	VAL	C-N-CA	5.91	133.08	122.38
2	2V	126	VAL	CA-C-N	5.91	133.08	122.38
2	2V	126	VAL	C-N-CA	5.91	133.08	122.38
2	2Z	126	VAL	CA-C-N	5.91	133.08	122.38
2	2Z	126	VAL	C-N-CA	5.91	133.08	122.38
1	26	49	LEU	CA-C-N	5.91	132.83	121.54
1	26	49	LEU	C-N-CA	5.91	132.83	121.54
1	3E	49	LEU	CA-C-N	5.91	132.83	121.54
1	3E	49	LEU	C-N-CA	5.91	132.83	121.54
1	4A	49	LEU	CA-C-N	5.91	132.83	121.54
1	4A	49	LEU	C-N-CA	5.91	132.83	121.54
1	4M	49	LEU	CA-C-N	5.91	132.83	121.54
1	4M	49	LEU	C-N-CA	5.91	132.83	121.54
1	4U	49	LEU	CA-C-N	5.91	132.83	121.54
1	4U	49	LEU	C-N-CA	5.91	132.83	121.54
2	43	126	VAL	CA-C-N	5.91	133.08	122.38
2	43	126	VAL	C-N-CA	5.91	133.08	122.38
2	47	126	VAL	CA-C-N	5.91	133.08	122.38
2	47	126	VAL	C-N-CA	5.91	133.08	122.38
2	5B	126	VAL	CA-C-N	5.91	133.08	122.38
2	5B	126	VAL	C-N-CA	5.91	133.08	122.38
1	5Q	49	LEU	CA-C-N	5.91	132.83	121.54
1	5Q	49	LEU	C-N-CA	5.91	132.83	121.54
2	53	126	VAL	CA-C-N	5.91	133.08	122.38
2	53	126	VAL	C-N-CA	5.91	133.08	122.38
2	57	126	VAL	CA-C-N	5.91	133.08	122.38
2	57	126	VAL	C-N-CA	5.91	133.08	122.38
2	6B	126	VAL	CA-C-N	5.91	133.08	122.38
2	6B	126	VAL	C-N-CA	5.91	133.08	122.38
1	6I	49	LEU	CA-C-N	5.91	132.83	121.54
1	6I	49	LEU	C-N-CA	5.91	132.83	121.54
1	6Q	49	LEU	CA-C-N	5.91	132.83	121.54
1	6Q	49	LEU	C-N-CA	5.91	132.83	121.54
1	7M	49	LEU	CA-C-N	5.91	132.83	121.54
1	7M	49	LEU	C-N-CA	5.91	132.83	121.54
2	1R	228	ASP	OD1-CG-OD2	5.91	137.08	122.90
2	1V	228	ASP	OD1-CG-OD2	5.91	137.08	122.90
2	1Z	228	ASP	OD1-CG-OD2	5.91	137.08	122.90
2	2R	228	ASP	OD1-CG-OD2	5.91	137.08	122.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	228	ASP	OD1-CG-OD2	5.91	137.08	122.90
2	2Z	228	ASP	OD1-CG-OD2	5.91	137.08	122.90
2	43	228	ASP	OD1-CG-OD2	5.91	137.08	122.90
2	47	228	ASP	OD1-CG-OD2	5.91	137.08	122.90
2	5B	228	ASP	OD1-CG-OD2	5.91	137.08	122.90
2	53	228	ASP	OD1-CG-OD2	5.91	137.08	122.90
2	57	228	ASP	OD1-CG-OD2	5.91	137.08	122.90
2	6B	228	ASP	OD1-CG-OD2	5.91	137.08	122.90
1	1Q	49	LEU	CA-C-N	5.91	132.82	121.54
1	1Q	49	LEU	C-N-CA	5.91	132.82	121.54
1	1U	49	LEU	CA-C-N	5.91	132.82	121.54
1	1U	49	LEU	C-N-CA	5.91	132.82	121.54
1	1Y	49	LEU	CA-C-N	5.91	132.82	121.54
1	1Y	49	LEU	C-N-CA	5.91	132.82	121.54
1	2Q	49	LEU	CA-C-N	5.91	132.82	121.54
1	2Q	49	LEU	C-N-CA	5.91	132.82	121.54
1	2U	49	LEU	CA-C-N	5.91	132.82	121.54
1	2U	49	LEU	C-N-CA	5.91	132.82	121.54
1	2Y	49	LEU	CA-C-N	5.91	132.82	121.54
1	2Y	49	LEU	C-N-CA	5.91	132.82	121.54
1	42	49	LEU	CA-C-N	5.91	132.82	121.54
1	42	49	LEU	C-N-CA	5.91	132.82	121.54
1	46	49	LEU	CA-C-N	5.91	132.82	121.54
1	46	49	LEU	C-N-CA	5.91	132.82	121.54
1	5A	49	LEU	CA-C-N	5.91	132.82	121.54
1	5A	49	LEU	C-N-CA	5.91	132.82	121.54
1	52	49	LEU	CA-C-N	5.91	132.82	121.54
1	52	49	LEU	C-N-CA	5.91	132.82	121.54
1	56	49	LEU	CA-C-N	5.91	132.82	121.54
1	56	49	LEU	C-N-CA	5.91	132.82	121.54
1	6A	49	LEU	CA-C-N	5.91	132.82	121.54
1	6A	49	LEU	C-N-CA	5.91	132.82	121.54
2	1N	228	ASP	OD1-CG-OD2	5.90	137.06	122.90
2	2J	228	ASP	OD1-CG-OD2	5.90	137.06	122.90
2	3B	228	ASP	OD1-CG-OD2	5.90	137.06	122.90
2	3J	228	ASP	OD1-CG-OD2	5.90	137.06	122.90
2	33	228	ASP	OD1-CG-OD2	5.90	137.06	122.90
2	4F	228	ASP	OD1-CG-OD2	5.90	137.06	122.90
2	4Z	228	ASP	OD1-CG-OD2	5.90	137.06	122.90
2	5V	228	ASP	OD1-CG-OD2	5.90	137.06	122.90
2	6N	228	ASP	OD1-CG-OD2	5.90	137.06	122.90
2	6V	228	ASP	OD1-CG-OD2	5.90	137.06	122.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	228	ASP	OD1-CG-OD2	5.90	137.06	122.90
2	7R	228	ASP	OD1-CG-OD2	5.90	137.06	122.90
1	1E	78	SER	CA-C-N	-5.90	112.59	120.79
1	1E	78	SER	C-N-CA	-5.90	112.59	120.79
1	2M	78	SER	CA-C-N	-5.90	112.59	120.79
1	2M	78	SER	C-N-CA	-5.90	112.59	120.79
1	22	78	SER	CA-C-N	-5.90	112.59	120.79
1	22	78	SER	C-N-CA	-5.90	112.59	120.79
1	3M	78	SER	CA-C-N	-5.90	112.59	120.79
1	3M	78	SER	C-N-CA	-5.90	112.59	120.79
1	36	78	SER	CA-C-N	-5.90	112.59	120.79
1	36	78	SER	C-N-CA	-5.90	112.59	120.79
1	4I	78	SER	CA-C-N	-5.90	112.59	120.79
1	4I	78	SER	C-N-CA	-5.90	112.59	120.79
1	4Q	78	SER	CA-C-N	-5.90	112.59	120.79
1	4Q	78	SER	C-N-CA	-5.90	112.59	120.79
1	5Y	78	SER	CA-C-N	-5.90	112.59	120.79
1	5Y	78	SER	C-N-CA	-5.90	112.59	120.79
1	6E	78	SER	CA-C-N	-5.90	112.59	120.79
1	6E	78	SER	C-N-CA	-5.90	112.59	120.79
1	6Y	78	SER	CA-C-N	-5.90	112.59	120.79
1	6Y	78	SER	C-N-CA	-5.90	112.59	120.79
1	7I	78	SER	CA-C-N	-5.90	112.59	120.79
1	7I	78	SER	C-N-CA	-5.90	112.59	120.79
1	7U	78	SER	CA-C-N	-5.90	112.59	120.79
1	7U	78	SER	C-N-CA	-5.90	112.59	120.79
1	1Q	154	SER	O-C-N	5.89	131.26	121.59
1	1U	154	SER	O-C-N	5.89	131.26	121.59
1	1Y	154	SER	O-C-N	5.89	131.26	121.59
1	2Q	154	SER	O-C-N	5.89	131.26	121.59
1	2U	154	SER	O-C-N	5.89	131.26	121.59
1	2Y	154	SER	O-C-N	5.89	131.26	121.59
1	42	154	SER	O-C-N	5.89	131.26	121.59
1	46	154	SER	O-C-N	5.89	131.26	121.59
1	5A	154	SER	O-C-N	5.89	131.26	121.59
1	52	154	SER	O-C-N	5.89	131.26	121.59
1	56	154	SER	O-C-N	5.89	131.26	121.59
1	6A	154	SER	O-C-N	5.89	131.26	121.59
1	1M	78	SER	CA-C-N	-5.89	112.60	120.79
1	1M	78	SER	C-N-CA	-5.89	112.60	120.79
1	2I	78	SER	CA-C-N	-5.89	112.60	120.79
1	2I	78	SER	C-N-CA	-5.89	112.60	120.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3A	78	SER	CA-C-N	-5.89	112.60	120.79
1	3A	78	SER	C-N-CA	-5.89	112.60	120.79
1	3I	78	SER	CA-C-N	-5.89	112.60	120.79
1	3I	78	SER	C-N-CA	-5.89	112.60	120.79
1	32	78	SER	CA-C-N	-5.89	112.60	120.79
1	32	78	SER	C-N-CA	-5.89	112.60	120.79
1	4E	78	SER	CA-C-N	-5.89	112.60	120.79
1	4E	78	SER	C-N-CA	-5.89	112.60	120.79
1	4Y	78	SER	CA-C-N	-5.89	112.60	120.79
1	4Y	78	SER	C-N-CA	-5.89	112.60	120.79
1	5U	78	SER	CA-C-N	-5.89	112.60	120.79
1	5U	78	SER	C-N-CA	-5.89	112.60	120.79
1	6M	78	SER	CA-C-N	-5.89	112.60	120.79
1	6M	78	SER	C-N-CA	-5.89	112.60	120.79
1	6U	78	SER	CA-C-N	-5.89	112.60	120.79
1	6U	78	SER	C-N-CA	-5.89	112.60	120.79
1	7E	78	SER	CA-C-N	-5.89	112.60	120.79
1	7E	78	SER	C-N-CA	-5.89	112.60	120.79
1	7Q	78	SER	CA-C-N	-5.89	112.60	120.79
1	7Q	78	SER	C-N-CA	-5.89	112.60	120.79
1	1A	154	SER	O-C-N	5.89	131.25	121.59
1	1I	154	SER	O-C-N	5.89	131.25	121.59
1	1Q	78	SER	CA-C-N	-5.89	112.60	120.79
1	1Q	78	SER	C-N-CA	-5.89	112.60	120.79
1	1Q	102	ASP	CA-CB-CG	-5.89	106.71	112.60
1	1U	78	SER	CA-C-N	-5.89	112.60	120.79
1	1U	78	SER	C-N-CA	-5.89	112.60	120.79
1	1U	102	ASP	CA-CB-CG	-5.89	106.71	112.60
1	1Y	78	SER	CA-C-N	-5.89	112.60	120.79
1	1Y	78	SER	C-N-CA	-5.89	112.60	120.79
1	1Y	102	ASP	CA-CB-CG	-5.89	106.71	112.60
1	2E	154	SER	O-C-N	5.89	131.25	121.59
1	2Q	78	SER	CA-C-N	-5.89	112.60	120.79
1	2Q	78	SER	C-N-CA	-5.89	112.60	120.79
1	2Q	102	ASP	CA-CB-CG	-5.89	106.71	112.60
1	2U	78	SER	CA-C-N	-5.89	112.60	120.79
1	2U	78	SER	C-N-CA	-5.89	112.60	120.79
1	2U	102	ASP	CA-CB-CG	-5.89	106.71	112.60
1	2Y	78	SER	CA-C-N	-5.89	112.60	120.79
1	2Y	78	SER	C-N-CA	-5.89	112.60	120.79
1	2Y	102	ASP	CA-CB-CG	-5.89	106.71	112.60
1	26	154	SER	O-C-N	5.89	131.25	121.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	154	SER	O-C-N	5.89	131.25	121.59
1	4A	154	SER	O-C-N	5.89	131.25	121.59
1	4M	154	SER	O-C-N	5.89	131.25	121.59
1	4U	154	SER	O-C-N	5.89	131.25	121.59
1	42	78	SER	CA-C-N	-5.89	112.60	120.79
1	42	78	SER	C-N-CA	-5.89	112.60	120.79
1	42	102	ASP	CA-CB-CG	-5.89	106.71	112.60
1	46	78	SER	CA-C-N	-5.89	112.60	120.79
1	46	78	SER	C-N-CA	-5.89	112.60	120.79
1	46	102	ASP	CA-CB-CG	-5.89	106.71	112.60
1	5A	78	SER	CA-C-N	-5.89	112.60	120.79
1	5A	78	SER	C-N-CA	-5.89	112.60	120.79
1	5A	102	ASP	CA-CB-CG	-5.89	106.71	112.60
1	5Q	154	SER	O-C-N	5.89	131.25	121.59
1	52	78	SER	CA-C-N	-5.89	112.60	120.79
1	52	78	SER	C-N-CA	-5.89	112.60	120.79
1	52	102	ASP	CA-CB-CG	-5.89	106.71	112.60
1	56	78	SER	CA-C-N	-5.89	112.60	120.79
1	56	78	SER	C-N-CA	-5.89	112.60	120.79
1	56	102	ASP	CA-CB-CG	-5.89	106.71	112.60
1	6A	78	SER	CA-C-N	-5.89	112.60	120.79
1	6A	78	SER	C-N-CA	-5.89	112.60	120.79
1	6A	102	ASP	CA-CB-CG	-5.89	106.71	112.60
1	6I	154	SER	O-C-N	5.89	131.25	121.59
1	6Q	154	SER	O-C-N	5.89	131.25	121.59
1	7M	154	SER	O-C-N	5.89	131.25	121.59
1	1E	154	SER	O-C-N	5.89	131.25	121.59
1	12	154	SER	O-C-N	5.89	131.25	121.59
1	16	154	SER	O-C-N	5.89	131.25	121.59
1	2A	154	SER	O-C-N	5.89	131.25	121.59
1	2M	154	SER	O-C-N	5.89	131.25	121.59
1	22	154	SER	O-C-N	5.89	131.25	121.59
1	3M	154	SER	O-C-N	5.89	131.25	121.59
1	3Q	154	SER	O-C-N	5.89	131.25	121.59
1	3U	154	SER	O-C-N	5.89	131.25	121.59
1	3Y	154	SER	O-C-N	5.89	131.25	121.59
1	36	154	SER	O-C-N	5.89	131.25	121.59
1	4I	154	SER	O-C-N	5.89	131.25	121.59
1	4Q	154	SER	O-C-N	5.89	131.25	121.59
1	5E	154	SER	O-C-N	5.89	131.25	121.59
1	5I	154	SER	O-C-N	5.89	131.25	121.59
1	5M	154	SER	O-C-N	5.89	131.25	121.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	154	SER	O-C-N	5.89	131.25	121.59
1	6E	154	SER	O-C-N	5.89	131.25	121.59
1	6Y	154	SER	O-C-N	5.89	131.25	121.59
1	62	154	SER	O-C-N	5.89	131.25	121.59
1	66	154	SER	O-C-N	5.89	131.25	121.59
1	7A	154	SER	O-C-N	5.89	131.25	121.59
1	7I	154	SER	O-C-N	5.89	131.25	121.59
1	7U	154	SER	O-C-N	5.89	131.25	121.59
1	1M	154	SER	O-C-N	5.88	131.24	121.59
1	2I	154	SER	O-C-N	5.88	131.24	121.59
1	3A	154	SER	O-C-N	5.88	131.24	121.59
1	3I	154	SER	O-C-N	5.88	131.24	121.59
1	32	154	SER	O-C-N	5.88	131.24	121.59
1	4E	154	SER	O-C-N	5.88	131.24	121.59
1	4Y	154	SER	O-C-N	5.88	131.24	121.59
1	5U	154	SER	O-C-N	5.88	131.24	121.59
1	6M	154	SER	O-C-N	5.88	131.24	121.59
1	6U	154	SER	O-C-N	5.88	131.24	121.59
1	7E	154	SER	O-C-N	5.88	131.24	121.59
1	7Q	154	SER	O-C-N	5.88	131.24	121.59
1	1A	78	SER	CA-C-N	-5.88	112.62	120.79
1	1A	78	SER	C-N-CA	-5.88	112.62	120.79
1	1I	78	SER	CA-C-N	-5.88	112.62	120.79
1	1I	78	SER	C-N-CA	-5.88	112.62	120.79
1	2E	78	SER	CA-C-N	-5.88	112.62	120.79
1	2E	78	SER	C-N-CA	-5.88	112.62	120.79
1	26	78	SER	CA-C-N	-5.88	112.62	120.79
1	26	78	SER	C-N-CA	-5.88	112.62	120.79
1	3E	78	SER	CA-C-N	-5.88	112.62	120.79
1	3E	78	SER	C-N-CA	-5.88	112.62	120.79
1	4A	78	SER	CA-C-N	-5.88	112.62	120.79
1	4A	78	SER	C-N-CA	-5.88	112.62	120.79
1	4M	78	SER	CA-C-N	-5.88	112.62	120.79
1	4M	78	SER	C-N-CA	-5.88	112.62	120.79
1	4U	78	SER	CA-C-N	-5.88	112.62	120.79
1	4U	78	SER	C-N-CA	-5.88	112.62	120.79
1	5Q	78	SER	CA-C-N	-5.88	112.62	120.79
1	5Q	78	SER	C-N-CA	-5.88	112.62	120.79
1	6I	78	SER	CA-C-N	-5.88	112.62	120.79
1	6I	78	SER	C-N-CA	-5.88	112.62	120.79
1	6Q	78	SER	CA-C-N	-5.88	112.62	120.79
1	6Q	78	SER	C-N-CA	-5.88	112.62	120.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	78	SER	CA-C-N	-5.88	112.62	120.79
1	7M	78	SER	C-N-CA	-5.88	112.62	120.79
1	1A	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	1E	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	1E	179	VAL	N-CA-CB	5.87	117.81	110.47
1	1I	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	2E	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	2M	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	2M	179	VAL	N-CA-CB	5.87	117.81	110.47
1	22	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	22	179	VAL	N-CA-CB	5.87	117.81	110.47
1	26	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	3E	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	3M	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	3M	179	VAL	N-CA-CB	5.87	117.81	110.47
1	36	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	36	179	VAL	N-CA-CB	5.87	117.81	110.47
1	4A	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	4I	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	4I	179	VAL	N-CA-CB	5.87	117.81	110.47
1	4M	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	4Q	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	4Q	179	VAL	N-CA-CB	5.87	117.81	110.47
1	4U	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	5Q	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	5Y	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	5Y	179	VAL	N-CA-CB	5.87	117.81	110.47
1	6E	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	6E	179	VAL	N-CA-CB	5.87	117.81	110.47
1	6I	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	6Q	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	6Y	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	6Y	179	VAL	N-CA-CB	5.87	117.81	110.47
1	7I	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	7I	179	VAL	N-CA-CB	5.87	117.81	110.47
1	7M	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	7U	168	GLN	CB-CA-C	-5.87	98.73	110.42
1	7U	179	VAL	N-CA-CB	5.87	117.81	110.47
1	1A	179	VAL	N-CA-CB	5.87	117.80	110.47
1	1I	179	VAL	N-CA-CB	5.87	117.80	110.47
1	1Q	183	GLN	CA-CB-CG	-5.87	102.37	114.10
1	1U	183	GLN	CA-CB-CG	-5.87	102.37	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1Y	183	GLN	CA-CB-CG	-5.87	102.37	114.10
1	2E	179	VAL	N-CA-CB	5.87	117.80	110.47
1	2Q	183	GLN	CA-CB-CG	-5.87	102.37	114.10
1	2U	183	GLN	CA-CB-CG	-5.87	102.37	114.10
1	2Y	183	GLN	CA-CB-CG	-5.87	102.37	114.10
1	26	179	VAL	N-CA-CB	5.87	117.80	110.47
1	3E	179	VAL	N-CA-CB	5.87	117.80	110.47
1	4A	179	VAL	N-CA-CB	5.87	117.80	110.47
1	4M	179	VAL	N-CA-CB	5.87	117.80	110.47
1	4U	179	VAL	N-CA-CB	5.87	117.80	110.47
1	42	183	GLN	CA-CB-CG	-5.87	102.37	114.10
1	46	183	GLN	CA-CB-CG	-5.87	102.37	114.10
1	5A	183	GLN	CA-CB-CG	-5.87	102.37	114.10
1	5Q	179	VAL	N-CA-CB	5.87	117.80	110.47
1	52	183	GLN	CA-CB-CG	-5.87	102.37	114.10
1	56	183	GLN	CA-CB-CG	-5.87	102.37	114.10
1	6A	183	GLN	CA-CB-CG	-5.87	102.37	114.10
1	6I	179	VAL	N-CA-CB	5.87	117.80	110.47
1	6Q	179	VAL	N-CA-CB	5.87	117.80	110.47
1	7M	179	VAL	N-CA-CB	5.87	117.80	110.47
3	14	30	HIS	CG-ND1-CE1	-5.87	99.33	109.30
3	18	30	HIS	CG-ND1-CE1	-5.87	99.33	109.30
3	2C	30	HIS	CG-ND1-CE1	-5.87	99.33	109.30
3	3S	30	HIS	CG-ND1-CE1	-5.87	99.33	109.30
3	3W	30	HIS	CG-ND1-CE1	-5.87	99.33	109.30
3	30	30	HIS	CG-ND1-CE1	-5.87	99.33	109.30
3	5G	30	HIS	CG-ND1-CE1	-5.87	99.33	109.30
3	5K	30	HIS	CG-ND1-CE1	-5.87	99.33	109.30
3	5O	30	HIS	CG-ND1-CE1	-5.87	99.33	109.30
3	64	30	HIS	CG-ND1-CE1	-5.87	99.33	109.30
3	68	30	HIS	CG-ND1-CE1	-5.87	99.33	109.30
3	7C	30	HIS	CG-ND1-CE1	-5.87	99.33	109.30
1	1Q	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	1U	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	1Y	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	12	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	16	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	2A	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	2Q	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	2U	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	2Y	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	3Q	168	GLN	CB-CA-C	-5.86	98.75	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	3Y	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	42	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	46	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	5A	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	5E	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	5I	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	5M	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	52	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	56	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	6A	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	62	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	66	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	7A	168	GLN	CB-CA-C	-5.86	98.75	110.42
1	12	183	GLN	CA-CB-CG	-5.86	102.38	114.10
1	16	183	GLN	CA-CB-CG	-5.86	102.38	114.10
1	2A	183	GLN	CA-CB-CG	-5.86	102.38	114.10
1	3Q	183	GLN	CA-CB-CG	-5.86	102.38	114.10
1	3U	183	GLN	CA-CB-CG	-5.86	102.38	114.10
1	3Y	183	GLN	CA-CB-CG	-5.86	102.38	114.10
1	5E	183	GLN	CA-CB-CG	-5.86	102.38	114.10
1	5I	183	GLN	CA-CB-CG	-5.86	102.38	114.10
1	5M	183	GLN	CA-CB-CG	-5.86	102.38	114.10
1	62	183	GLN	CA-CB-CG	-5.86	102.38	114.10
1	66	183	GLN	CA-CB-CG	-5.86	102.38	114.10
1	7A	183	GLN	CA-CB-CG	-5.86	102.38	114.10
1	1A	183	GLN	CA-CB-CG	-5.86	102.39	114.10
1	1I	183	GLN	CA-CB-CG	-5.86	102.39	114.10
1	1M	179	VAL	N-CA-CB	5.86	117.79	110.47
1	2E	183	GLN	CA-CB-CG	-5.86	102.39	114.10
1	2I	179	VAL	N-CA-CB	5.86	117.79	110.47
1	26	183	GLN	CA-CB-CG	-5.86	102.39	114.10
1	3A	179	VAL	N-CA-CB	5.86	117.79	110.47
1	3E	183	GLN	CA-CB-CG	-5.86	102.39	114.10
1	3I	179	VAL	N-CA-CB	5.86	117.79	110.47
1	32	179	VAL	N-CA-CB	5.86	117.79	110.47
1	4A	183	GLN	CA-CB-CG	-5.86	102.39	114.10
1	4E	179	VAL	N-CA-CB	5.86	117.79	110.47
1	4M	183	GLN	CA-CB-CG	-5.86	102.39	114.10
1	4U	183	GLN	CA-CB-CG	-5.86	102.39	114.10
1	4Y	179	VAL	N-CA-CB	5.86	117.79	110.47
1	5Q	183	GLN	CA-CB-CG	-5.86	102.39	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5U	179	VAL	N-CA-CB	5.86	117.79	110.47
1	6I	183	GLN	CA-CB-CG	-5.86	102.39	114.10
1	6M	179	VAL	N-CA-CB	5.86	117.79	110.47
1	6Q	183	GLN	CA-CB-CG	-5.86	102.39	114.10
1	6U	179	VAL	N-CA-CB	5.86	117.79	110.47
1	7E	179	VAL	N-CA-CB	5.86	117.79	110.47
1	7M	183	GLN	CA-CB-CG	-5.86	102.39	114.10
1	7Q	179	VAL	N-CA-CB	5.86	117.79	110.47
2	1R	10	GLN	CA-CB-CG	-5.85	102.39	114.10
2	1V	10	GLN	CA-CB-CG	-5.85	102.39	114.10
2	1Z	10	GLN	CA-CB-CG	-5.85	102.39	114.10
2	2R	10	GLN	CA-CB-CG	-5.85	102.39	114.10
2	2V	10	GLN	CA-CB-CG	-5.85	102.39	114.10
2	2Z	10	GLN	CA-CB-CG	-5.85	102.39	114.10
2	43	10	GLN	CA-CB-CG	-5.85	102.39	114.10
2	47	10	GLN	CA-CB-CG	-5.85	102.39	114.10
2	5B	10	GLN	CA-CB-CG	-5.85	102.39	114.10
2	53	10	GLN	CA-CB-CG	-5.85	102.39	114.10
2	57	10	GLN	CA-CB-CG	-5.85	102.39	114.10
2	6B	10	GLN	CA-CB-CG	-5.85	102.39	114.10
1	1M	183	GLN	CA-CB-CG	-5.85	102.39	114.10
2	1N	10	GLN	CA-CB-CG	-5.85	102.39	114.10
1	2I	183	GLN	CA-CB-CG	-5.85	102.39	114.10
2	2J	10	GLN	CA-CB-CG	-5.85	102.39	114.10
1	3A	183	GLN	CA-CB-CG	-5.85	102.39	114.10
2	3B	10	GLN	CA-CB-CG	-5.85	102.39	114.10
1	3I	183	GLN	CA-CB-CG	-5.85	102.39	114.10
2	3J	10	GLN	CA-CB-CG	-5.85	102.39	114.10
1	32	183	GLN	CA-CB-CG	-5.85	102.39	114.10
2	33	10	GLN	CA-CB-CG	-5.85	102.39	114.10
1	4E	183	GLN	CA-CB-CG	-5.85	102.39	114.10
2	4F	10	GLN	CA-CB-CG	-5.85	102.39	114.10
1	4Y	183	GLN	CA-CB-CG	-5.85	102.39	114.10
2	4Z	10	GLN	CA-CB-CG	-5.85	102.39	114.10
1	5U	183	GLN	CA-CB-CG	-5.85	102.39	114.10
2	5V	10	GLN	CA-CB-CG	-5.85	102.39	114.10
1	6M	183	GLN	CA-CB-CG	-5.85	102.39	114.10
2	6N	10	GLN	CA-CB-CG	-5.85	102.39	114.10
1	6U	183	GLN	CA-CB-CG	-5.85	102.39	114.10
2	6V	10	GLN	CA-CB-CG	-5.85	102.39	114.10
1	7E	183	GLN	CA-CB-CG	-5.85	102.39	114.10
2	7F	10	GLN	CA-CB-CG	-5.85	102.39	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	183	GLN	CA-CB-CG	-5.85	102.39	114.10
2	7R	10	GLN	CA-CB-CG	-5.85	102.39	114.10
2	1B	10	GLN	CA-CB-CG	-5.85	102.40	114.10
2	1J	10	GLN	CA-CB-CG	-5.85	102.40	114.10
2	2F	10	GLN	CA-CB-CG	-5.85	102.40	114.10
2	27	10	GLN	CA-CB-CG	-5.85	102.40	114.10
2	3F	10	GLN	CA-CB-CG	-5.85	102.40	114.10
2	4B	10	GLN	CA-CB-CG	-5.85	102.40	114.10
2	4N	10	GLN	CA-CB-CG	-5.85	102.40	114.10
2	4V	10	GLN	CA-CB-CG	-5.85	102.40	114.10
2	5R	10	GLN	CA-CB-CG	-5.85	102.40	114.10
2	6J	10	GLN	CA-CB-CG	-5.85	102.40	114.10
2	6R	10	GLN	CA-CB-CG	-5.85	102.40	114.10
2	7N	10	GLN	CA-CB-CG	-5.85	102.40	114.10
1	1E	176	THR	CA-C-O	-5.85	115.16	121.36
1	12	179	VAL	N-CA-CB	5.85	117.78	110.47
1	16	179	VAL	N-CA-CB	5.85	117.78	110.47
1	2A	179	VAL	N-CA-CB	5.85	117.78	110.47
1	2M	176	THR	CA-C-O	-5.85	115.16	121.36
1	22	176	THR	CA-C-O	-5.85	115.16	121.36
1	3M	176	THR	CA-C-O	-5.85	115.16	121.36
1	3Q	179	VAL	N-CA-CB	5.85	117.78	110.47
1	3U	179	VAL	N-CA-CB	5.85	117.78	110.47
1	3Y	179	VAL	N-CA-CB	5.85	117.78	110.47
1	36	176	THR	CA-C-O	-5.85	115.16	121.36
1	4I	176	THR	CA-C-O	-5.85	115.16	121.36
1	4Q	176	THR	CA-C-O	-5.85	115.16	121.36
1	5E	179	VAL	N-CA-CB	5.85	117.78	110.47
1	5I	179	VAL	N-CA-CB	5.85	117.78	110.47
1	5M	179	VAL	N-CA-CB	5.85	117.78	110.47
1	5Y	176	THR	CA-C-O	-5.85	115.16	121.36
1	6E	176	THR	CA-C-O	-5.85	115.16	121.36
1	6Y	176	THR	CA-C-O	-5.85	115.16	121.36
1	62	179	VAL	N-CA-CB	5.85	117.78	110.47
1	66	179	VAL	N-CA-CB	5.85	117.78	110.47
1	7A	179	VAL	N-CA-CB	5.85	117.78	110.47
1	7I	176	THR	CA-C-O	-5.85	115.16	121.36
1	7U	176	THR	CA-C-O	-5.85	115.16	121.36
1	1M	168	GLN	CB-CA-C	-5.85	98.78	110.42
3	1O	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
3	1S	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
3	1W	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	10	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
1	2I	168	GLN	CB-CA-C	-5.85	98.78	110.42
3	2K	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
3	2S	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
3	2W	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
3	20	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
1	3A	168	GLN	CB-CA-C	-5.85	98.78	110.42
3	3C	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
1	3I	168	GLN	CB-CA-C	-5.85	98.78	110.42
3	3K	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
1	32	168	GLN	CB-CA-C	-5.85	98.78	110.42
3	34	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
1	4E	168	GLN	CB-CA-C	-5.85	98.78	110.42
3	4G	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
1	4Y	168	GLN	CB-CA-C	-5.85	98.78	110.42
3	40	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
3	44	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
3	48	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
3	5C	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
1	5U	168	GLN	CB-CA-C	-5.85	98.78	110.42
3	5W	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
3	54	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
3	58	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
3	6C	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
1	6M	168	GLN	CB-CA-C	-5.85	98.78	110.42
3	6O	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
1	6U	168	GLN	CB-CA-C	-5.85	98.78	110.42
3	6W	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
1	7E	168	GLN	CB-CA-C	-5.85	98.78	110.42
3	7G	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
1	7Q	168	GLN	CB-CA-C	-5.85	98.78	110.42
3	7S	30	HIS	CG-ND1-CE1	-5.85	99.36	109.30
1	1E	183	GLN	CA-CB-CG	-5.84	102.41	114.10
2	1F	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	12	78	SER	CA-C-N	-5.84	112.67	120.79
1	12	78	SER	C-N-CA	-5.84	112.67	120.79
2	13	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	16	78	SER	CA-C-N	-5.84	112.67	120.79
1	16	78	SER	C-N-CA	-5.84	112.67	120.79
2	17	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	2A	78	SER	CA-C-N	-5.84	112.67	120.79
1	2A	78	SER	C-N-CA	-5.84	112.67	120.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	2M	183	GLN	CA-CB-CG	-5.84	102.41	114.10
2	2N	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	22	183	GLN	CA-CB-CG	-5.84	102.41	114.10
2	23	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	3M	183	GLN	CA-CB-CG	-5.84	102.41	114.10
2	3N	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	3Q	78	SER	CA-C-N	-5.84	112.67	120.79
1	3Q	78	SER	C-N-CA	-5.84	112.67	120.79
2	3R	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	3U	78	SER	CA-C-N	-5.84	112.67	120.79
1	3U	78	SER	C-N-CA	-5.84	112.67	120.79
2	3V	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	3Y	78	SER	CA-C-N	-5.84	112.67	120.79
1	3Y	78	SER	C-N-CA	-5.84	112.67	120.79
2	3Z	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	36	183	GLN	CA-CB-CG	-5.84	102.41	114.10
2	37	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	4I	183	GLN	CA-CB-CG	-5.84	102.41	114.10
2	4J	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	4Q	183	GLN	CA-CB-CG	-5.84	102.41	114.10
2	4R	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	5E	78	SER	CA-C-N	-5.84	112.67	120.79
1	5E	78	SER	C-N-CA	-5.84	112.67	120.79
2	5F	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	5I	78	SER	CA-C-N	-5.84	112.67	120.79
1	5I	78	SER	C-N-CA	-5.84	112.67	120.79
2	5J	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	5M	78	SER	CA-C-N	-5.84	112.67	120.79
1	5M	78	SER	C-N-CA	-5.84	112.67	120.79
2	5N	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	5Y	183	GLN	CA-CB-CG	-5.84	102.41	114.10
2	5Z	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	6E	183	GLN	CA-CB-CG	-5.84	102.41	114.10
2	6F	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	6Y	183	GLN	CA-CB-CG	-5.84	102.41	114.10
2	6Z	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	62	78	SER	CA-C-N	-5.84	112.67	120.79
1	62	78	SER	C-N-CA	-5.84	112.67	120.79
2	63	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	66	78	SER	CA-C-N	-5.84	112.67	120.79
1	66	78	SER	C-N-CA	-5.84	112.67	120.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	7A	78	SER	CA-C-N	-5.84	112.67	120.79
1	7A	78	SER	C-N-CA	-5.84	112.67	120.79
2	7B	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	7I	183	GLN	CA-CB-CG	-5.84	102.41	114.10
2	7J	10	GLN	CA-CB-CG	-5.84	102.41	114.10
1	7U	183	GLN	CA-CB-CG	-5.84	102.41	114.10
2	7V	10	GLN	CA-CB-CG	-5.84	102.41	114.10
3	1C	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
3	1K	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
2	1N	10	GLN	CA-C-N	5.84	132.70	121.54
2	1N	10	GLN	C-N-CA	5.84	132.70	121.54
3	2G	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
2	2J	10	GLN	CA-C-N	5.84	132.70	121.54
2	2J	10	GLN	C-N-CA	5.84	132.70	121.54
3	28	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
2	3B	10	GLN	CA-C-N	5.84	132.70	121.54
2	3B	10	GLN	C-N-CA	5.84	132.70	121.54
3	3G	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
2	3J	10	GLN	CA-C-N	5.84	132.70	121.54
2	3J	10	GLN	C-N-CA	5.84	132.70	121.54
2	33	10	GLN	CA-C-N	5.84	132.70	121.54
2	33	10	GLN	C-N-CA	5.84	132.70	121.54
3	4C	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
2	4F	10	GLN	CA-C-N	5.84	132.70	121.54
2	4F	10	GLN	C-N-CA	5.84	132.70	121.54
3	4O	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
3	4W	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
2	4Z	10	GLN	CA-C-N	5.84	132.70	121.54
2	4Z	10	GLN	C-N-CA	5.84	132.70	121.54
3	5S	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
2	5V	10	GLN	CA-C-N	5.84	132.70	121.54
2	5V	10	GLN	C-N-CA	5.84	132.70	121.54
3	6K	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
2	6N	10	GLN	CA-C-N	5.84	132.70	121.54
2	6N	10	GLN	C-N-CA	5.84	132.70	121.54
3	6S	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
2	6V	10	GLN	CA-C-N	5.84	132.70	121.54
2	6V	10	GLN	C-N-CA	5.84	132.70	121.54
2	7F	10	GLN	CA-C-N	5.84	132.70	121.54
2	7F	10	GLN	C-N-CA	5.84	132.70	121.54
3	7O	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	10	GLN	CA-C-N	5.84	132.70	121.54
2	7R	10	GLN	C-N-CA	5.84	132.70	121.54
3	1G	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
1	1Q	176	THR	CA-C-O	-5.84	115.17	121.36
1	1U	176	THR	CA-C-O	-5.84	115.17	121.36
1	1Y	176	THR	CA-C-O	-5.84	115.17	121.36
3	2O	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
1	2Q	176	THR	CA-C-O	-5.84	115.17	121.36
1	2U	176	THR	CA-C-O	-5.84	115.17	121.36
1	2Y	176	THR	CA-C-O	-5.84	115.17	121.36
3	24	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
3	3O	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
3	38	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
3	4K	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
3	4S	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
1	42	176	THR	CA-C-O	-5.84	115.17	121.36
1	46	176	THR	CA-C-O	-5.84	115.17	121.36
1	5A	176	THR	CA-C-O	-5.84	115.17	121.36
3	50	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
1	52	176	THR	CA-C-O	-5.84	115.17	121.36
1	56	176	THR	CA-C-O	-5.84	115.17	121.36
1	6A	176	THR	CA-C-O	-5.84	115.17	121.36
3	6G	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
3	60	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
3	7K	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
3	7W	30	HIS	CG-ND1-CE1	-5.84	99.37	109.30
1	1Q	179	VAL	N-CA-CB	5.83	117.76	110.47
1	1U	179	VAL	N-CA-CB	5.83	117.76	110.47
1	1Y	179	VAL	N-CA-CB	5.83	117.76	110.47
4	15	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	15	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	19	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	19	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	2D	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	2D	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
1	2Q	179	VAL	N-CA-CB	5.83	117.76	110.47
1	2U	179	VAL	N-CA-CB	5.83	117.76	110.47
1	2Y	179	VAL	N-CA-CB	5.83	117.76	110.47
4	3T	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	3T	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	3X	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	3X	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	31	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	31	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
1	42	179	VAL	N-CA-CB	5.83	117.76	110.47
1	46	179	VAL	N-CA-CB	5.83	117.76	110.47
1	5A	179	VAL	N-CA-CB	5.83	117.76	110.47
4	5H	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	5H	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	5L	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	5L	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	5P	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	5P	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
1	52	179	VAL	N-CA-CB	5.83	117.76	110.47
1	56	179	VAL	N-CA-CB	5.83	117.76	110.47
1	6A	179	VAL	N-CA-CB	5.83	117.76	110.47
4	65	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	65	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	69	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	69	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	7D	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	7D	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	1P	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	1P	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	2L	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	2L	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	3D	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	3D	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	3L	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	3L	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	35	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	35	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	4H	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	4H	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	41	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	41	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	5X	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	5X	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	6P	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	6P	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	6X	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	6X	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	7H	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	7H	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	7T	38[1]	ARG	NE-CZ-NH2	5.83	124.45	119.20
4	7T	38[2]	ARG	NE-CZ-NH2	5.83	124.45	119.20
2	13	10	GLN	CA-C-N	5.83	132.68	121.54
2	13	10	GLN	C-N-CA	5.83	132.68	121.54
2	17	10	GLN	CA-C-N	5.83	132.68	121.54
2	17	10	GLN	C-N-CA	5.83	132.68	121.54
2	2B	10	GLN	CA-C-N	5.83	132.68	121.54
2	2B	10	GLN	C-N-CA	5.83	132.68	121.54
2	3R	10	GLN	CA-C-N	5.83	132.68	121.54
2	3R	10	GLN	C-N-CA	5.83	132.68	121.54
2	3V	10	GLN	CA-C-N	5.83	132.68	121.54
2	3V	10	GLN	C-N-CA	5.83	132.68	121.54
2	3Z	10	GLN	CA-C-N	5.83	132.68	121.54
2	3Z	10	GLN	C-N-CA	5.83	132.68	121.54
2	5F	10	GLN	CA-C-N	5.83	132.68	121.54
2	5F	10	GLN	C-N-CA	5.83	132.68	121.54
2	5J	10	GLN	CA-C-N	5.83	132.68	121.54
2	5J	10	GLN	C-N-CA	5.83	132.68	121.54
2	5N	10	GLN	CA-C-N	5.83	132.68	121.54
2	5N	10	GLN	C-N-CA	5.83	132.68	121.54
2	63	10	GLN	CA-C-N	5.83	132.68	121.54
2	63	10	GLN	C-N-CA	5.83	132.68	121.54
2	67	10	GLN	CA-C-N	5.83	132.68	121.54
2	67	10	GLN	C-N-CA	5.83	132.68	121.54
2	7B	10	GLN	CA-C-N	5.83	132.68	121.54
2	7B	10	GLN	C-N-CA	5.83	132.68	121.54
4	1T	38[1]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	1T	38[2]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	1X	38[1]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	1X	38[2]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	11	38[1]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	11	38[2]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	2T	38[1]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	2T	38[2]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	2X	38[1]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	2X	38[2]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	21	38[1]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	21	38[2]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	45	38[1]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	45	38[2]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	49	38[1]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	49	38[2]	ARG	NE-CZ-NH2	5.83	124.44	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	5D	38[1]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	5D	38[2]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	55	38[1]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	55	38[2]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	59	38[1]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	59	38[2]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	6D	38[1]	ARG	NE-CZ-NH2	5.83	124.44	119.20
4	6D	38[2]	ARG	NE-CZ-NH2	5.83	124.44	119.20
1	1M	49	LEU	CB-CG-CD1	-5.83	93.22	110.70
2	1R	10	GLN	CA-C-N	5.83	132.67	121.54
2	1R	10	GLN	C-N-CA	5.83	132.67	121.54
2	1V	10	GLN	CA-C-N	5.83	132.67	121.54
2	1V	10	GLN	C-N-CA	5.83	132.67	121.54
2	1Z	10	GLN	CA-C-N	5.83	132.67	121.54
2	1Z	10	GLN	C-N-CA	5.83	132.67	121.54
1	2I	49	LEU	CB-CG-CD1	-5.83	93.22	110.70
2	2R	10	GLN	CA-C-N	5.83	132.67	121.54
2	2R	10	GLN	C-N-CA	5.83	132.67	121.54
2	2V	10	GLN	CA-C-N	5.83	132.67	121.54
2	2V	10	GLN	C-N-CA	5.83	132.67	121.54
2	2Z	10	GLN	CA-C-N	5.83	132.67	121.54
2	2Z	10	GLN	C-N-CA	5.83	132.67	121.54
1	3A	49	LEU	CB-CG-CD1	-5.83	93.22	110.70
1	3I	49	LEU	CB-CG-CD1	-5.83	93.22	110.70
1	32	49	LEU	CB-CG-CD1	-5.83	93.22	110.70
1	4E	49	LEU	CB-CG-CD1	-5.83	93.22	110.70
1	4Y	49	LEU	CB-CG-CD1	-5.83	93.22	110.70
2	43	10	GLN	CA-C-N	5.83	132.67	121.54
2	43	10	GLN	C-N-CA	5.83	132.67	121.54
2	47	10	GLN	CA-C-N	5.83	132.67	121.54
2	47	10	GLN	C-N-CA	5.83	132.67	121.54
2	5B	10	GLN	CA-C-N	5.83	132.67	121.54
2	5B	10	GLN	C-N-CA	5.83	132.67	121.54
1	5U	49	LEU	CB-CG-CD1	-5.83	93.22	110.70
2	53	10	GLN	CA-C-N	5.83	132.67	121.54
2	53	10	GLN	C-N-CA	5.83	132.67	121.54
2	57	10	GLN	CA-C-N	5.83	132.67	121.54
2	57	10	GLN	C-N-CA	5.83	132.67	121.54
2	6B	10	GLN	CA-C-N	5.83	132.67	121.54
2	6B	10	GLN	C-N-CA	5.83	132.67	121.54
1	6M	49	LEU	CB-CG-CD1	-5.83	93.22	110.70
1	6U	49	LEU	CB-CG-CD1	-5.83	93.22	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	49	LEU	CB-CG-CD1	-5.83	93.22	110.70
1	7Q	49	LEU	CB-CG-CD1	-5.83	93.22	110.70
2	1B	10	GLN	CA-C-N	5.83	132.67	121.54
2	1B	10	GLN	C-N-CA	5.83	132.67	121.54
2	1F	225	ASN	CB-CA-C	-5.83	98.83	110.42
2	1J	10	GLN	CA-C-N	5.83	132.67	121.54
2	1J	10	GLN	C-N-CA	5.83	132.67	121.54
2	2F	10	GLN	CA-C-N	5.83	132.67	121.54
2	2F	10	GLN	C-N-CA	5.83	132.67	121.54
2	2N	225	ASN	CB-CA-C	-5.83	98.83	110.42
2	23	225	ASN	CB-CA-C	-5.83	98.83	110.42
2	27	10	GLN	CA-C-N	5.83	132.67	121.54
2	27	10	GLN	C-N-CA	5.83	132.67	121.54
2	3F	10	GLN	CA-C-N	5.83	132.67	121.54
2	3F	10	GLN	C-N-CA	5.83	132.67	121.54
2	3N	225	ASN	CB-CA-C	-5.83	98.83	110.42
2	37	225	ASN	CB-CA-C	-5.83	98.83	110.42
2	4B	10	GLN	CA-C-N	5.83	132.67	121.54
2	4B	10	GLN	C-N-CA	5.83	132.67	121.54
2	4J	225	ASN	CB-CA-C	-5.83	98.83	110.42
2	4N	10	GLN	CA-C-N	5.83	132.67	121.54
2	4N	10	GLN	C-N-CA	5.83	132.67	121.54
2	4R	225	ASN	CB-CA-C	-5.83	98.83	110.42
2	4V	10	GLN	CA-C-N	5.83	132.67	121.54
2	4V	10	GLN	C-N-CA	5.83	132.67	121.54
2	5R	10	GLN	CA-C-N	5.83	132.67	121.54
2	5R	10	GLN	C-N-CA	5.83	132.67	121.54
2	5Z	225	ASN	CB-CA-C	-5.83	98.83	110.42
2	6F	225	ASN	CB-CA-C	-5.83	98.83	110.42
2	6J	10	GLN	CA-C-N	5.83	132.67	121.54
2	6J	10	GLN	C-N-CA	5.83	132.67	121.54
2	6R	10	GLN	CA-C-N	5.83	132.67	121.54
2	6R	10	GLN	C-N-CA	5.83	132.67	121.54
2	6Z	225	ASN	CB-CA-C	-5.83	98.83	110.42
2	7J	225	ASN	CB-CA-C	-5.83	98.83	110.42
2	7N	10	GLN	CA-C-N	5.83	132.67	121.54
2	7N	10	GLN	C-N-CA	5.83	132.67	121.54
2	7V	225	ASN	CB-CA-C	-5.83	98.83	110.42
1	1M	27	LYS	N-CA-C	-5.82	104.30	111.75
1	2I	27	LYS	N-CA-C	-5.82	104.30	111.75
1	3A	27	LYS	N-CA-C	-5.82	104.30	111.75
1	3I	27	LYS	N-CA-C	-5.82	104.30	111.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	27	LYS	N-CA-C	-5.82	104.30	111.75
1	4E	27	LYS	N-CA-C	-5.82	104.30	111.75
1	4Y	27	LYS	N-CA-C	-5.82	104.30	111.75
1	5U	27	LYS	N-CA-C	-5.82	104.30	111.75
1	6M	27	LYS	N-CA-C	-5.82	104.30	111.75
1	6U	27	LYS	N-CA-C	-5.82	104.30	111.75
1	7E	27	LYS	N-CA-C	-5.82	104.30	111.75
1	7Q	27	LYS	N-CA-C	-5.82	104.30	111.75
1	12	176	THR	CA-C-O	-5.82	115.19	121.36
1	16	176	THR	CA-C-O	-5.82	115.19	121.36
1	2A	176	THR	CA-C-O	-5.82	115.19	121.36
1	3Q	176	THR	CA-C-O	-5.82	115.19	121.36
1	3U	176	THR	CA-C-O	-5.82	115.19	121.36
1	3Y	176	THR	CA-C-O	-5.82	115.19	121.36
1	5E	176	THR	CA-C-O	-5.82	115.19	121.36
1	5I	176	THR	CA-C-O	-5.82	115.19	121.36
1	5M	176	THR	CA-C-O	-5.82	115.19	121.36
1	62	176	THR	CA-C-O	-5.82	115.19	121.36
1	66	176	THR	CA-C-O	-5.82	115.19	121.36
1	7A	176	THR	CA-C-O	-5.82	115.19	121.36
2	1B	225	ASN	CB-CA-C	-5.82	98.85	110.42
2	1J	225	ASN	CB-CA-C	-5.82	98.85	110.42
2	2F	225	ASN	CB-CA-C	-5.82	98.85	110.42
2	27	225	ASN	CB-CA-C	-5.82	98.85	110.42
2	3F	225	ASN	CB-CA-C	-5.82	98.85	110.42
2	4B	225	ASN	CB-CA-C	-5.82	98.85	110.42
2	4N	225	ASN	CB-CA-C	-5.82	98.85	110.42
2	4V	225	ASN	CB-CA-C	-5.82	98.85	110.42
2	5R	225	ASN	CB-CA-C	-5.82	98.85	110.42
2	6J	225	ASN	CB-CA-C	-5.82	98.85	110.42
2	6R	225	ASN	CB-CA-C	-5.82	98.85	110.42
2	7N	225	ASN	CB-CA-C	-5.82	98.85	110.42
1	1M	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	1M	176	THR	CA-C-O	-5.81	115.20	121.36
1	1Q	155	PRO	O-C-N	5.81	130.49	122.64
1	1U	155	PRO	O-C-N	5.81	130.49	122.64
1	1Y	155	PRO	O-C-N	5.81	130.49	122.64
1	12	49	LEU	CB-CG-CD1	-5.81	93.26	110.70
1	12	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	16	49	LEU	CB-CG-CD1	-5.81	93.26	110.70
1	16	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	2A	49	LEU	CB-CG-CD1	-5.81	93.26	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	2I	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	2I	176	THR	CA-C-O	-5.81	115.20	121.36
1	2Q	155	PRO	O-C-N	5.81	130.49	122.64
1	2U	155	PRO	O-C-N	5.81	130.49	122.64
1	2Y	155	PRO	O-C-N	5.81	130.49	122.64
1	3A	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	3A	176	THR	CA-C-O	-5.81	115.20	121.36
1	3I	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	3I	176	THR	CA-C-O	-5.81	115.20	121.36
1	3Q	49	LEU	CB-CG-CD1	-5.81	93.26	110.70
1	3Q	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	3U	49	LEU	CB-CG-CD1	-5.81	93.26	110.70
1	3U	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	3Y	49	LEU	CB-CG-CD1	-5.81	93.26	110.70
1	3Y	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	32	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	32	176	THR	CA-C-O	-5.81	115.20	121.36
1	4E	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	4E	176	THR	CA-C-O	-5.81	115.20	121.36
1	4Y	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	4Y	176	THR	CA-C-O	-5.81	115.20	121.36
1	42	155	PRO	O-C-N	5.81	130.49	122.64
1	46	155	PRO	O-C-N	5.81	130.49	122.64
1	5A	155	PRO	O-C-N	5.81	130.49	122.64
1	5E	49	LEU	CB-CG-CD1	-5.81	93.26	110.70
1	5E	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	5I	49	LEU	CB-CG-CD1	-5.81	93.26	110.70
1	5I	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	5M	49	LEU	CB-CG-CD1	-5.81	93.26	110.70
1	5M	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	5U	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	5U	176	THR	CA-C-O	-5.81	115.20	121.36
1	52	155	PRO	O-C-N	5.81	130.49	122.64
1	56	155	PRO	O-C-N	5.81	130.49	122.64
1	6A	155	PRO	O-C-N	5.81	130.49	122.64
1	6M	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	6M	176	THR	CA-C-O	-5.81	115.20	121.36
1	6U	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	6U	176	THR	CA-C-O	-5.81	115.20	121.36
1	62	49	LEU	CB-CG-CD1	-5.81	93.26	110.70
1	62	85	LEU	N-CA-CB	-5.81	102.04	111.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	49	LEU	CB-CG-CD1	-5.81	93.26	110.70
1	66	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	7A	49	LEU	CB-CG-CD1	-5.81	93.26	110.70
1	7A	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	7E	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	7E	176	THR	CA-C-O	-5.81	115.20	121.36
1	7Q	85	LEU	N-CA-CB	-5.81	102.04	111.22
1	7Q	176	THR	CA-C-O	-5.81	115.20	121.36
1	1A	176	THR	CA-C-O	-5.81	115.20	121.36
1	1I	176	THR	CA-C-O	-5.81	115.20	121.36
1	2E	176	THR	CA-C-O	-5.81	115.20	121.36
1	26	176	THR	CA-C-O	-5.81	115.20	121.36
1	3E	176	THR	CA-C-O	-5.81	115.20	121.36
1	4A	176	THR	CA-C-O	-5.81	115.20	121.36
1	4M	176	THR	CA-C-O	-5.81	115.20	121.36
1	4U	176	THR	CA-C-O	-5.81	115.20	121.36
1	5Q	176	THR	CA-C-O	-5.81	115.20	121.36
1	6I	176	THR	CA-C-O	-5.81	115.20	121.36
1	6Q	176	THR	CA-C-O	-5.81	115.20	121.36
1	7M	176	THR	CA-C-O	-5.81	115.20	121.36
1	1A	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	1E	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	1I	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	1Q	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
2	1R	225	ASN	CB-CA-C	-5.81	98.86	110.42
1	1U	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
2	1V	225	ASN	CB-CA-C	-5.81	98.86	110.42
1	1Y	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
2	1Z	225	ASN	CB-CA-C	-5.81	98.86	110.42
1	2E	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	2M	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	2Q	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
2	2R	225	ASN	CB-CA-C	-5.81	98.86	110.42
1	2U	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
2	2V	225	ASN	CB-CA-C	-5.81	98.86	110.42
1	2Y	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
2	2Z	225	ASN	CB-CA-C	-5.81	98.86	110.42
1	22	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	26	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	3E	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	3M	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	36	49	LEU	CB-CG-CD1	-5.81	93.27	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	4I	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	4M	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	4Q	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	4U	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	42	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
2	43	225	ASN	CB-CA-C	-5.81	98.86	110.42
1	46	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
2	47	225	ASN	CB-CA-C	-5.81	98.86	110.42
1	5A	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
2	5B	225	ASN	CB-CA-C	-5.81	98.86	110.42
1	5Q	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	5Y	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	52	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
2	53	225	ASN	CB-CA-C	-5.81	98.86	110.42
1	56	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
2	57	225	ASN	CB-CA-C	-5.81	98.86	110.42
1	6A	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
2	6B	225	ASN	CB-CA-C	-5.81	98.86	110.42
1	6E	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	6I	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	6Q	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	6Y	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	7I	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	7M	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
1	7U	49	LEU	CB-CG-CD1	-5.81	93.27	110.70
2	1F	10	GLN	CA-C-N	5.81	132.63	121.54
2	1F	10	GLN	C-N-CA	5.81	132.63	121.54
2	2N	10	GLN	CA-C-N	5.81	132.63	121.54
2	2N	10	GLN	C-N-CA	5.81	132.63	121.54
2	23	10	GLN	CA-C-N	5.81	132.63	121.54
2	23	10	GLN	C-N-CA	5.81	132.63	121.54
2	3N	10	GLN	CA-C-N	5.81	132.63	121.54
2	3N	10	GLN	C-N-CA	5.81	132.63	121.54
2	37	10	GLN	CA-C-N	5.81	132.63	121.54
2	37	10	GLN	C-N-CA	5.81	132.63	121.54
2	4J	10	GLN	CA-C-N	5.81	132.63	121.54
2	4J	10	GLN	C-N-CA	5.81	132.63	121.54
2	4R	10	GLN	CA-C-N	5.81	132.63	121.54
2	4R	10	GLN	C-N-CA	5.81	132.63	121.54
2	5Z	10	GLN	CA-C-N	5.81	132.63	121.54
2	5Z	10	GLN	C-N-CA	5.81	132.63	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	10	GLN	CA-C-N	5.81	132.63	121.54
2	6F	10	GLN	C-N-CA	5.81	132.63	121.54
2	6Z	10	GLN	CA-C-N	5.81	132.63	121.54
2	6Z	10	GLN	C-N-CA	5.81	132.63	121.54
2	7J	10	GLN	CA-C-N	5.81	132.63	121.54
2	7J	10	GLN	C-N-CA	5.81	132.63	121.54
2	7V	10	GLN	CA-C-N	5.81	132.63	121.54
2	7V	10	GLN	C-N-CA	5.81	132.63	121.54
1	1A	81	ASN	CB-CG-OD1	-5.80	109.20	120.80
1	1A	85	LEU	N-CA-CB	-5.80	102.05	111.22
4	1D	38[1]	ARG	NE-CZ-NH2	5.80	124.42	119.20
4	1D	38[2]	ARG	NE-CZ-NH2	5.80	124.42	119.20
1	1I	81	ASN	CB-CG-OD1	-5.80	109.20	120.80
1	1I	85	LEU	N-CA-CB	-5.80	102.05	111.22
4	1L	38[1]	ARG	NE-CZ-NH2	5.80	124.42	119.20
4	1L	38[2]	ARG	NE-CZ-NH2	5.80	124.42	119.20
2	13	74	TYR	N-CA-CB	5.80	121.63	111.13
2	13	225	ASN	CB-CA-C	-5.80	98.88	110.42
2	17	74	TYR	N-CA-CB	5.80	121.63	111.13
2	17	225	ASN	CB-CA-C	-5.80	98.88	110.42
2	2B	74	TYR	N-CA-CB	5.80	121.63	111.13
2	2B	225	ASN	CB-CA-C	-5.80	98.88	110.42
1	2E	81	ASN	CB-CG-OD1	-5.80	109.20	120.80
1	2E	85	LEU	N-CA-CB	-5.80	102.05	111.22
4	2H	38[1]	ARG	NE-CZ-NH2	5.80	124.42	119.20
4	2H	38[2]	ARG	NE-CZ-NH2	5.80	124.42	119.20
1	26	81	ASN	CB-CG-OD1	-5.80	109.20	120.80
1	26	85	LEU	N-CA-CB	-5.80	102.05	111.22
4	29	38[1]	ARG	NE-CZ-NH2	5.80	124.42	119.20
4	29	38[2]	ARG	NE-CZ-NH2	5.80	124.42	119.20
1	3E	81	ASN	CB-CG-OD1	-5.80	109.20	120.80
1	3E	85	LEU	N-CA-CB	-5.80	102.05	111.22
4	3H	38[1]	ARG	NE-CZ-NH2	5.80	124.42	119.20
4	3H	38[2]	ARG	NE-CZ-NH2	5.80	124.42	119.20
2	3R	74	TYR	N-CA-CB	5.80	121.63	111.13
2	3R	225	ASN	CB-CA-C	-5.80	98.88	110.42
2	3V	74	TYR	N-CA-CB	5.80	121.63	111.13
2	3V	225	ASN	CB-CA-C	-5.80	98.88	110.42
2	3Z	74	TYR	N-CA-CB	5.80	121.63	111.13
2	3Z	225	ASN	CB-CA-C	-5.80	98.88	110.42
1	4A	81	ASN	CB-CG-OD1	-5.80	109.20	120.80
1	4A	85	LEU	N-CA-CB	-5.80	102.05	111.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	4D	38[1]	ARG	NE-CZ-NH2	5.80	124.42	119.20
4	4D	38[2]	ARG	NE-CZ-NH2	5.80	124.42	119.20
1	4M	81	ASN	CB-CG-OD1	-5.80	109.20	120.80
1	4M	85	LEU	N-CA-CB	-5.80	102.05	111.22
4	4P	38[1]	ARG	NE-CZ-NH2	5.80	124.42	119.20
4	4P	38[2]	ARG	NE-CZ-NH2	5.80	124.42	119.20
1	4U	81	ASN	CB-CG-OD1	-5.80	109.20	120.80
1	4U	85	LEU	N-CA-CB	-5.80	102.05	111.22
4	4X	38[1]	ARG	NE-CZ-NH2	5.80	124.42	119.20
4	4X	38[2]	ARG	NE-CZ-NH2	5.80	124.42	119.20
2	5F	74	TYR	N-CA-CB	5.80	121.63	111.13
2	5F	225	ASN	CB-CA-C	-5.80	98.88	110.42
2	5J	74	TYR	N-CA-CB	5.80	121.63	111.13
2	5J	225	ASN	CB-CA-C	-5.80	98.88	110.42
2	5N	74	TYR	N-CA-CB	5.80	121.63	111.13
2	5N	225	ASN	CB-CA-C	-5.80	98.88	110.42
1	5Q	81	ASN	CB-CG-OD1	-5.80	109.20	120.80
1	5Q	85	LEU	N-CA-CB	-5.80	102.05	111.22
4	5T	38[1]	ARG	NE-CZ-NH2	5.80	124.42	119.20
4	5T	38[2]	ARG	NE-CZ-NH2	5.80	124.42	119.20
1	6I	81	ASN	CB-CG-OD1	-5.80	109.20	120.80
1	6I	85	LEU	N-CA-CB	-5.80	102.05	111.22
4	6L	38[1]	ARG	NE-CZ-NH2	5.80	124.42	119.20
4	6L	38[2]	ARG	NE-CZ-NH2	5.80	124.42	119.20
1	6Q	81	ASN	CB-CG-OD1	-5.80	109.20	120.80
1	6Q	85	LEU	N-CA-CB	-5.80	102.05	111.22
4	6T	38[1]	ARG	NE-CZ-NH2	5.80	124.42	119.20
4	6T	38[2]	ARG	NE-CZ-NH2	5.80	124.42	119.20
2	63	74	TYR	N-CA-CB	5.80	121.63	111.13
2	63	225	ASN	CB-CA-C	-5.80	98.88	110.42
2	67	74	TYR	N-CA-CB	5.80	121.63	111.13
2	67	225	ASN	CB-CA-C	-5.80	98.88	110.42
2	7B	74	TYR	N-CA-CB	5.80	121.63	111.13
2	7B	225	ASN	CB-CA-C	-5.80	98.88	110.42
1	7M	81	ASN	CB-CG-OD1	-5.80	109.20	120.80
1	7M	85	LEU	N-CA-CB	-5.80	102.05	111.22
4	7P	38[1]	ARG	NE-CZ-NH2	5.80	124.42	119.20
4	7P	38[2]	ARG	NE-CZ-NH2	5.80	124.42	119.20
2	1N	225	ASN	CB-CA-C	-5.80	98.88	110.42
1	1Q	85	LEU	N-CA-CB	-5.80	102.06	111.22
1	1U	85	LEU	N-CA-CB	-5.80	102.06	111.22
1	1Y	85	LEU	N-CA-CB	-5.80	102.06	111.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	12	155	PRO	O-C-N	5.80	130.47	122.64
1	16	155	PRO	O-C-N	5.80	130.47	122.64
1	2A	155	PRO	O-C-N	5.80	130.47	122.64
2	2J	225	ASN	CB-CA-C	-5.80	98.88	110.42
1	2Q	85	LEU	N-CA-CB	-5.80	102.06	111.22
1	2U	85	LEU	N-CA-CB	-5.80	102.06	111.22
1	2Y	85	LEU	N-CA-CB	-5.80	102.06	111.22
2	3B	225	ASN	CB-CA-C	-5.80	98.88	110.42
2	3J	225	ASN	CB-CA-C	-5.80	98.88	110.42
1	3Q	155	PRO	O-C-N	5.80	130.47	122.64
1	3U	155	PRO	O-C-N	5.80	130.47	122.64
1	3Y	155	PRO	O-C-N	5.80	130.47	122.64
2	33	225	ASN	CB-CA-C	-5.80	98.88	110.42
2	4F	225	ASN	CB-CA-C	-5.80	98.88	110.42
2	4Z	225	ASN	CB-CA-C	-5.80	98.88	110.42
1	42	85	LEU	N-CA-CB	-5.80	102.06	111.22
1	46	85	LEU	N-CA-CB	-5.80	102.06	111.22
1	5A	85	LEU	N-CA-CB	-5.80	102.06	111.22
1	5E	155	PRO	O-C-N	5.80	130.47	122.64
1	5I	155	PRO	O-C-N	5.80	130.47	122.64
1	5M	155	PRO	O-C-N	5.80	130.47	122.64
2	5V	225	ASN	CB-CA-C	-5.80	98.88	110.42
1	52	85	LEU	N-CA-CB	-5.80	102.06	111.22
1	56	85	LEU	N-CA-CB	-5.80	102.06	111.22
1	6A	85	LEU	N-CA-CB	-5.80	102.06	111.22
2	6N	225	ASN	CB-CA-C	-5.80	98.88	110.42
2	6V	225	ASN	CB-CA-C	-5.80	98.88	110.42
1	62	155	PRO	O-C-N	5.80	130.47	122.64
1	66	155	PRO	O-C-N	5.80	130.47	122.64
1	7A	155	PRO	O-C-N	5.80	130.47	122.64
2	7F	225	ASN	CB-CA-C	-5.80	98.88	110.42
2	7R	225	ASN	CB-CA-C	-5.80	98.88	110.42
1	1M	81	ASN	CB-CG-OD1	-5.80	109.21	120.80
1	2I	81	ASN	CB-CG-OD1	-5.80	109.21	120.80
1	3A	81	ASN	CB-CG-OD1	-5.80	109.21	120.80
1	3I	81	ASN	CB-CG-OD1	-5.80	109.21	120.80
1	32	81	ASN	CB-CG-OD1	-5.80	109.21	120.80
1	4E	81	ASN	CB-CG-OD1	-5.80	109.21	120.80
1	4Y	81	ASN	CB-CG-OD1	-5.80	109.21	120.80
1	5U	81	ASN	CB-CG-OD1	-5.80	109.21	120.80
1	6M	81	ASN	CB-CG-OD1	-5.80	109.21	120.80
1	6U	81	ASN	CB-CG-OD1	-5.80	109.21	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	81	ASN	CB-CG-OD1	-5.80	109.21	120.80
1	7Q	81	ASN	CB-CG-OD1	-5.80	109.21	120.80
1	1E	27	LYS	N-CA-C	-5.79	104.33	111.75
1	1Q	81	ASN	CB-CG-OD1	-5.79	109.21	120.80
1	1U	81	ASN	CB-CG-OD1	-5.79	109.21	120.80
1	1Y	81	ASN	CB-CG-OD1	-5.79	109.21	120.80
1	2M	27	LYS	N-CA-C	-5.79	104.33	111.75
1	2Q	81	ASN	CB-CG-OD1	-5.79	109.21	120.80
1	2U	81	ASN	CB-CG-OD1	-5.79	109.21	120.80
1	2Y	81	ASN	CB-CG-OD1	-5.79	109.21	120.80
1	22	27	LYS	N-CA-C	-5.79	104.33	111.75
1	3M	27	LYS	N-CA-C	-5.79	104.33	111.75
1	36	27	LYS	N-CA-C	-5.79	104.33	111.75
1	4I	27	LYS	N-CA-C	-5.79	104.33	111.75
1	4Q	27	LYS	N-CA-C	-5.79	104.33	111.75
1	42	81	ASN	CB-CG-OD1	-5.79	109.21	120.80
1	46	81	ASN	CB-CG-OD1	-5.79	109.21	120.80
1	5A	81	ASN	CB-CG-OD1	-5.79	109.21	120.80
1	5Y	27	LYS	N-CA-C	-5.79	104.33	111.75
1	52	81	ASN	CB-CG-OD1	-5.79	109.21	120.80
1	56	81	ASN	CB-CG-OD1	-5.79	109.21	120.80
1	6A	81	ASN	CB-CG-OD1	-5.79	109.21	120.80
1	6E	27	LYS	N-CA-C	-5.79	104.33	111.75
1	6Y	27	LYS	N-CA-C	-5.79	104.33	111.75
1	7I	27	LYS	N-CA-C	-5.79	104.33	111.75
1	7U	27	LYS	N-CA-C	-5.79	104.33	111.75
1	1A	155	PRO	O-C-N	5.79	130.46	122.64
4	1H	72[1]	ARG	O-C-N	-5.79	116.41	123.19
4	1H	72[2]	ARG	O-C-N	-5.79	116.41	123.19
1	1I	155	PRO	O-C-N	5.79	130.46	122.64
1	12	1	ASP	CA-CB-CG	-5.79	106.81	112.60
1	16	1	ASP	CA-CB-CG	-5.79	106.81	112.60
1	2A	1	ASP	CA-CB-CG	-5.79	106.81	112.60
1	2E	155	PRO	O-C-N	5.79	130.46	122.64
4	2P	72[1]	ARG	O-C-N	-5.79	116.41	123.19
4	2P	72[2]	ARG	O-C-N	-5.79	116.41	123.19
4	25	72[1]	ARG	O-C-N	-5.79	116.41	123.19
4	25	72[2]	ARG	O-C-N	-5.79	116.41	123.19
1	26	155	PRO	O-C-N	5.79	130.46	122.64
1	3E	155	PRO	O-C-N	5.79	130.46	122.64
4	3P	72[1]	ARG	O-C-N	-5.79	116.41	123.19
4	3P	72[2]	ARG	O-C-N	-5.79	116.41	123.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Q	1	ASP	CA-CB-CG	-5.79	106.81	112.60
1	3U	1	ASP	CA-CB-CG	-5.79	106.81	112.60
1	3Y	1	ASP	CA-CB-CG	-5.79	106.81	112.60
4	39	72[1]	ARG	O-C-N	-5.79	116.41	123.19
4	39	72[2]	ARG	O-C-N	-5.79	116.41	123.19
1	4A	155	PRO	O-C-N	5.79	130.46	122.64
4	4L	72[1]	ARG	O-C-N	-5.79	116.41	123.19
4	4L	72[2]	ARG	O-C-N	-5.79	116.41	123.19
1	4M	155	PRO	O-C-N	5.79	130.46	122.64
4	4T	72[1]	ARG	O-C-N	-5.79	116.41	123.19
4	4T	72[2]	ARG	O-C-N	-5.79	116.41	123.19
1	4U	155	PRO	O-C-N	5.79	130.46	122.64
1	5E	1	ASP	CA-CB-CG	-5.79	106.81	112.60
1	5I	1	ASP	CA-CB-CG	-5.79	106.81	112.60
1	5M	1	ASP	CA-CB-CG	-5.79	106.81	112.60
1	5Q	155	PRO	O-C-N	5.79	130.46	122.64
4	51	72[1]	ARG	O-C-N	-5.79	116.41	123.19
4	51	72[2]	ARG	O-C-N	-5.79	116.41	123.19
4	6H	72[1]	ARG	O-C-N	-5.79	116.41	123.19
4	6H	72[2]	ARG	O-C-N	-5.79	116.41	123.19
1	6I	155	PRO	O-C-N	5.79	130.46	122.64
1	6Q	155	PRO	O-C-N	5.79	130.46	122.64
4	61	72[1]	ARG	O-C-N	-5.79	116.41	123.19
4	61	72[2]	ARG	O-C-N	-5.79	116.41	123.19
1	62	1	ASP	CA-CB-CG	-5.79	106.81	112.60
1	66	1	ASP	CA-CB-CG	-5.79	106.81	112.60
1	7A	1	ASP	CA-CB-CG	-5.79	106.81	112.60
4	7L	72[1]	ARG	O-C-N	-5.79	116.41	123.19
4	7L	72[2]	ARG	O-C-N	-5.79	116.41	123.19
1	7M	155	PRO	O-C-N	5.79	130.46	122.64
4	7X	72[1]	ARG	O-C-N	-5.79	116.41	123.19
4	7X	72[2]	ARG	O-C-N	-5.79	116.41	123.19
1	1A	27	LYS	N-CA-C	-5.79	104.34	111.75
1	1I	27	LYS	N-CA-C	-5.79	104.34	111.75
1	2E	27	LYS	N-CA-C	-5.79	104.34	111.75
1	26	27	LYS	N-CA-C	-5.79	104.34	111.75
1	3E	27	LYS	N-CA-C	-5.79	104.34	111.75
1	4A	27	LYS	N-CA-C	-5.79	104.34	111.75
1	4M	27	LYS	N-CA-C	-5.79	104.34	111.75
1	4U	27	LYS	N-CA-C	-5.79	104.34	111.75
1	5Q	27	LYS	N-CA-C	-5.79	104.34	111.75
1	6I	27	LYS	N-CA-C	-5.79	104.34	111.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	27	LYS	N-CA-C	-5.79	104.34	111.75
1	7M	27	LYS	N-CA-C	-5.79	104.34	111.75
1	1E	155	PRO	O-C-N	5.79	130.46	122.64
1	2M	155	PRO	O-C-N	5.79	130.46	122.64
1	22	155	PRO	O-C-N	5.79	130.46	122.64
1	3M	155	PRO	O-C-N	5.79	130.46	122.64
1	36	155	PRO	O-C-N	5.79	130.46	122.64
1	4I	155	PRO	O-C-N	5.79	130.46	122.64
1	4Q	155	PRO	O-C-N	5.79	130.46	122.64
1	5Y	155	PRO	O-C-N	5.79	130.46	122.64
1	6E	155	PRO	O-C-N	5.79	130.46	122.64
1	6Y	155	PRO	O-C-N	5.79	130.46	122.64
1	7I	155	PRO	O-C-N	5.79	130.46	122.64
1	7U	155	PRO	O-C-N	5.79	130.46	122.64
1	1M	155	PRO	O-C-N	5.79	130.45	122.64
1	12	27	LYS	N-CA-C	-5.79	104.34	111.75
1	16	27	LYS	N-CA-C	-5.79	104.34	111.75
1	2A	27	LYS	N-CA-C	-5.79	104.34	111.75
1	2I	155	PRO	O-C-N	5.79	130.45	122.64
1	3A	155	PRO	O-C-N	5.79	130.45	122.64
1	3I	155	PRO	O-C-N	5.79	130.45	122.64
1	3Q	27	LYS	N-CA-C	-5.79	104.34	111.75
1	3U	27	LYS	N-CA-C	-5.79	104.34	111.75
1	3Y	27	LYS	N-CA-C	-5.79	104.34	111.75
1	32	155	PRO	O-C-N	5.79	130.45	122.64
1	4E	155	PRO	O-C-N	5.79	130.45	122.64
1	4Y	155	PRO	O-C-N	5.79	130.45	122.64
1	5E	27	LYS	N-CA-C	-5.79	104.34	111.75
1	5I	27	LYS	N-CA-C	-5.79	104.34	111.75
1	5M	27	LYS	N-CA-C	-5.79	104.34	111.75
1	5U	155	PRO	O-C-N	5.79	130.45	122.64
1	6M	155	PRO	O-C-N	5.79	130.45	122.64
1	6U	155	PRO	O-C-N	5.79	130.45	122.64
1	62	27	LYS	N-CA-C	-5.79	104.34	111.75
1	66	27	LYS	N-CA-C	-5.79	104.34	111.75
1	7A	27	LYS	N-CA-C	-5.79	104.34	111.75
1	7E	155	PRO	O-C-N	5.79	130.45	122.64
1	7Q	155	PRO	O-C-N	5.79	130.45	122.64
2	1N	74	TYR	N-CA-CB	5.79	121.60	111.13
2	2J	74	TYR	N-CA-CB	5.79	121.60	111.13
2	3B	74	TYR	N-CA-CB	5.79	121.60	111.13
2	3J	74	TYR	N-CA-CB	5.79	121.60	111.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	74	TYR	N-CA-CB	5.79	121.60	111.13
2	4F	74	TYR	N-CA-CB	5.79	121.60	111.13
2	4Z	74	TYR	N-CA-CB	5.79	121.60	111.13
2	5V	74	TYR	N-CA-CB	5.79	121.60	111.13
2	6N	74	TYR	N-CA-CB	5.79	121.60	111.13
2	6V	74	TYR	N-CA-CB	5.79	121.60	111.13
2	7F	74	TYR	N-CA-CB	5.79	121.60	111.13
2	7R	74	TYR	N-CA-CB	5.79	121.60	111.13
1	1E	85	LEU	N-CA-CB	-5.78	102.08	111.22
1	2M	85	LEU	N-CA-CB	-5.78	102.08	111.22
1	22	85	LEU	N-CA-CB	-5.78	102.08	111.22
1	3M	85	LEU	N-CA-CB	-5.78	102.08	111.22
1	36	85	LEU	N-CA-CB	-5.78	102.08	111.22
1	4I	85	LEU	N-CA-CB	-5.78	102.08	111.22
1	4Q	85	LEU	N-CA-CB	-5.78	102.08	111.22
1	5Y	85	LEU	N-CA-CB	-5.78	102.08	111.22
1	6E	85	LEU	N-CA-CB	-5.78	102.08	111.22
1	6Y	85	LEU	N-CA-CB	-5.78	102.08	111.22
1	7I	85	LEU	N-CA-CB	-5.78	102.08	111.22
1	7U	85	LEU	N-CA-CB	-5.78	102.08	111.22
1	1M	1	ASP	CA-CB-CG	-5.78	106.82	112.60
1	12	81	ASN	CB-CG-OD1	-5.78	109.24	120.80
1	16	81	ASN	CB-CG-OD1	-5.78	109.24	120.80
1	2A	81	ASN	CB-CG-OD1	-5.78	109.24	120.80
1	2I	1	ASP	CA-CB-CG	-5.78	106.82	112.60
1	3A	1	ASP	CA-CB-CG	-5.78	106.82	112.60
1	3I	1	ASP	CA-CB-CG	-5.78	106.82	112.60
1	3Q	81	ASN	CB-CG-OD1	-5.78	109.24	120.80
1	3U	81	ASN	CB-CG-OD1	-5.78	109.24	120.80
1	3Y	81	ASN	CB-CG-OD1	-5.78	109.24	120.80
1	32	1	ASP	CA-CB-CG	-5.78	106.82	112.60
1	4E	1	ASP	CA-CB-CG	-5.78	106.82	112.60
1	4Y	1	ASP	CA-CB-CG	-5.78	106.82	112.60
1	5E	81	ASN	CB-CG-OD1	-5.78	109.24	120.80
1	5I	81	ASN	CB-CG-OD1	-5.78	109.24	120.80
1	5M	81	ASN	CB-CG-OD1	-5.78	109.24	120.80
1	5U	1	ASP	CA-CB-CG	-5.78	106.82	112.60
1	6M	1	ASP	CA-CB-CG	-5.78	106.82	112.60
1	6U	1	ASP	CA-CB-CG	-5.78	106.82	112.60
1	62	81	ASN	CB-CG-OD1	-5.78	109.24	120.80
1	66	81	ASN	CB-CG-OD1	-5.78	109.24	120.80
1	7A	81	ASN	CB-CG-OD1	-5.78	109.24	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	1	ASP	CA-CB-CG	-5.78	106.82	112.60
1	7Q	1	ASP	CA-CB-CG	-5.78	106.82	112.60
2	1B	74	TYR	N-CA-CB	5.78	121.58	111.13
2	1J	74	TYR	N-CA-CB	5.78	121.58	111.13
2	2F	74	TYR	N-CA-CB	5.78	121.58	111.13
2	27	74	TYR	N-CA-CB	5.78	121.58	111.13
2	3F	74	TYR	N-CA-CB	5.78	121.58	111.13
2	4B	74	TYR	N-CA-CB	5.78	121.58	111.13
2	4N	74	TYR	N-CA-CB	5.78	121.58	111.13
2	4V	74	TYR	N-CA-CB	5.78	121.58	111.13
2	5R	74	TYR	N-CA-CB	5.78	121.58	111.13
2	6J	74	TYR	N-CA-CB	5.78	121.58	111.13
2	6R	74	TYR	N-CA-CB	5.78	121.58	111.13
2	7N	74	TYR	N-CA-CB	5.78	121.58	111.13
4	1T	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	1T	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	1X	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	1X	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	11	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	11	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	2T	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	2T	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	2X	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	2X	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	21	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	21	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	45	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	45	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	49	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	49	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	5D	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	5D	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	55	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	55	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	59	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	59	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	6D	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	6D	72[2]	ARG	O-C-N	-5.77	116.44	123.19
2	1B	21	THR	CA-CB-OG1	5.77	118.26	109.60
2	1J	21	THR	CA-CB-OG1	5.77	118.26	109.60
2	2F	21	THR	CA-CB-OG1	5.77	118.26	109.60
2	27	21	THR	CA-CB-OG1	5.77	118.26	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	21	THR	CA-CB-OG1	5.77	118.26	109.60
2	4B	21	THR	CA-CB-OG1	5.77	118.26	109.60
2	4N	21	THR	CA-CB-OG1	5.77	118.26	109.60
2	4V	21	THR	CA-CB-OG1	5.77	118.26	109.60
2	5R	21	THR	CA-CB-OG1	5.77	118.26	109.60
2	6J	21	THR	CA-CB-OG1	5.77	118.26	109.60
2	6R	21	THR	CA-CB-OG1	5.77	118.26	109.60
2	7N	21	THR	CA-CB-OG1	5.77	118.26	109.60
4	1D	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	1D	72[2]	ARG	O-C-N	-5.77	116.44	123.19
1	1E	81	ASN	CB-CG-OD1	-5.77	109.26	120.80
4	1H	38[1]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	1H	38[2]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	1L	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	1L	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	2H	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	2H	72[2]	ARG	O-C-N	-5.77	116.44	123.19
1	2M	81	ASN	CB-CG-OD1	-5.77	109.26	120.80
4	2P	38[1]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	2P	38[2]	ARG	NE-CZ-NH2	5.77	124.39	119.20
1	22	81	ASN	CB-CG-OD1	-5.77	109.26	120.80
4	25	38[1]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	25	38[2]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	29	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	29	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	3H	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	3H	72[2]	ARG	O-C-N	-5.77	116.44	123.19
1	3M	81	ASN	CB-CG-OD1	-5.77	109.26	120.80
4	3P	38[1]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	3P	38[2]	ARG	NE-CZ-NH2	5.77	124.39	119.20
1	36	81	ASN	CB-CG-OD1	-5.77	109.26	120.80
4	39	38[1]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	39	38[2]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	4D	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	4D	72[2]	ARG	O-C-N	-5.77	116.44	123.19
1	4I	81	ASN	CB-CG-OD1	-5.77	109.26	120.80
4	4L	38[1]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	4L	38[2]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	4P	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	4P	72[2]	ARG	O-C-N	-5.77	116.44	123.19
1	4Q	81	ASN	CB-CG-OD1	-5.77	109.26	120.80
4	4T	38[1]	ARG	NE-CZ-NH2	5.77	124.39	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	4T	38[2]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	4X	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	4X	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	5T	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	5T	72[2]	ARG	O-C-N	-5.77	116.44	123.19
1	5Y	81	ASN	CB-CG-OD1	-5.77	109.26	120.80
4	51	38[1]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	51	38[2]	ARG	NE-CZ-NH2	5.77	124.39	119.20
1	6E	81	ASN	CB-CG-OD1	-5.77	109.26	120.80
4	6H	38[1]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	6H	38[2]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	6L	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	6L	72[2]	ARG	O-C-N	-5.77	116.44	123.19
4	6T	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	6T	72[2]	ARG	O-C-N	-5.77	116.44	123.19
1	6Y	81	ASN	CB-CG-OD1	-5.77	109.26	120.80
4	61	38[1]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	61	38[2]	ARG	NE-CZ-NH2	5.77	124.39	119.20
1	7I	81	ASN	CB-CG-OD1	-5.77	109.26	120.80
4	7L	38[1]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	7L	38[2]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	7P	72[1]	ARG	O-C-N	-5.77	116.44	123.19
4	7P	72[2]	ARG	O-C-N	-5.77	116.44	123.19
1	7U	81	ASN	CB-CG-OD1	-5.77	109.26	120.80
4	7X	38[1]	ARG	NE-CZ-NH2	5.77	124.39	119.20
4	7X	38[2]	ARG	NE-CZ-NH2	5.77	124.39	119.20
2	1R	74	TYR	N-CA-CB	5.77	121.57	111.13
2	1V	74	TYR	N-CA-CB	5.77	121.57	111.13
2	1Z	74	TYR	N-CA-CB	5.77	121.57	111.13
2	2R	74	TYR	N-CA-CB	5.77	121.57	111.13
2	2V	74	TYR	N-CA-CB	5.77	121.57	111.13
2	2Z	74	TYR	N-CA-CB	5.77	121.57	111.13
2	43	74	TYR	N-CA-CB	5.77	121.57	111.13
2	47	74	TYR	N-CA-CB	5.77	121.57	111.13
2	5B	74	TYR	N-CA-CB	5.77	121.57	111.13
2	53	74	TYR	N-CA-CB	5.77	121.57	111.13
2	57	74	TYR	N-CA-CB	5.77	121.57	111.13
2	6B	74	TYR	N-CA-CB	5.77	121.57	111.13
1	1A	1	ASP	CA-CB-CG	-5.76	106.84	112.60
1	1A	38	PRO	O-C-N	-5.76	114.86	122.64
1	1I	1	ASP	CA-CB-CG	-5.76	106.84	112.60
1	1I	38	PRO	O-C-N	-5.76	114.86	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1R	21	THR	CA-CB-OG1	5.76	118.25	109.60
2	1V	21	THR	CA-CB-OG1	5.76	118.25	109.60
2	1Z	21	THR	CA-CB-OG1	5.76	118.25	109.60
1	2E	1	ASP	CA-CB-CG	-5.76	106.84	112.60
1	2E	38	PRO	O-C-N	-5.76	114.86	122.64
2	2R	21	THR	CA-CB-OG1	5.76	118.25	109.60
2	2V	21	THR	CA-CB-OG1	5.76	118.25	109.60
2	2Z	21	THR	CA-CB-OG1	5.76	118.25	109.60
1	26	1	ASP	CA-CB-CG	-5.76	106.84	112.60
1	26	38	PRO	O-C-N	-5.76	114.86	122.64
1	3E	1	ASP	CA-CB-CG	-5.76	106.84	112.60
1	3E	38	PRO	O-C-N	-5.76	114.86	122.64
1	4A	1	ASP	CA-CB-CG	-5.76	106.84	112.60
1	4A	38	PRO	O-C-N	-5.76	114.86	122.64
1	4M	1	ASP	CA-CB-CG	-5.76	106.84	112.60
1	4M	38	PRO	O-C-N	-5.76	114.86	122.64
1	4U	1	ASP	CA-CB-CG	-5.76	106.84	112.60
1	4U	38	PRO	O-C-N	-5.76	114.86	122.64
2	43	21	THR	CA-CB-OG1	5.76	118.25	109.60
2	47	21	THR	CA-CB-OG1	5.76	118.25	109.60
2	5B	21	THR	CA-CB-OG1	5.76	118.25	109.60
1	5Q	1	ASP	CA-CB-CG	-5.76	106.84	112.60
1	5Q	38	PRO	O-C-N	-5.76	114.86	122.64
2	53	21	THR	CA-CB-OG1	5.76	118.25	109.60
2	57	21	THR	CA-CB-OG1	5.76	118.25	109.60
2	6B	21	THR	CA-CB-OG1	5.76	118.25	109.60
1	6I	1	ASP	CA-CB-CG	-5.76	106.84	112.60
1	6I	38	PRO	O-C-N	-5.76	114.86	122.64
1	6Q	1	ASP	CA-CB-CG	-5.76	106.84	112.60
1	6Q	38	PRO	O-C-N	-5.76	114.86	122.64
1	7M	1	ASP	CA-CB-CG	-5.76	106.84	112.60
1	7M	38	PRO	O-C-N	-5.76	114.86	122.64
4	1P	72[1]	ARG	O-C-N	-5.76	116.45	123.19
4	1P	72[2]	ARG	O-C-N	-5.76	116.45	123.19
1	1Q	27	LYS	N-CA-C	-5.76	104.37	111.75
1	1U	27	LYS	N-CA-C	-5.76	104.37	111.75
1	1Y	27	LYS	N-CA-C	-5.76	104.37	111.75
4	2L	72[1]	ARG	O-C-N	-5.76	116.45	123.19
4	2L	72[2]	ARG	O-C-N	-5.76	116.45	123.19
1	2Q	27	LYS	N-CA-C	-5.76	104.37	111.75
1	2U	27	LYS	N-CA-C	-5.76	104.37	111.75
1	2Y	27	LYS	N-CA-C	-5.76	104.37	111.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	3D	72[1]	ARG	O-C-N	-5.76	116.45	123.19
4	3D	72[2]	ARG	O-C-N	-5.76	116.45	123.19
4	3L	72[1]	ARG	O-C-N	-5.76	116.45	123.19
4	3L	72[2]	ARG	O-C-N	-5.76	116.45	123.19
4	35	72[1]	ARG	O-C-N	-5.76	116.45	123.19
4	35	72[2]	ARG	O-C-N	-5.76	116.45	123.19
4	4H	72[1]	ARG	O-C-N	-5.76	116.45	123.19
4	4H	72[2]	ARG	O-C-N	-5.76	116.45	123.19
4	41	72[1]	ARG	O-C-N	-5.76	116.45	123.19
4	41	72[2]	ARG	O-C-N	-5.76	116.45	123.19
1	42	27	LYS	N-CA-C	-5.76	104.37	111.75
1	46	27	LYS	N-CA-C	-5.76	104.37	111.75
1	5A	27	LYS	N-CA-C	-5.76	104.37	111.75
4	5X	72[1]	ARG	O-C-N	-5.76	116.45	123.19
4	5X	72[2]	ARG	O-C-N	-5.76	116.45	123.19
1	52	27	LYS	N-CA-C	-5.76	104.37	111.75
1	56	27	LYS	N-CA-C	-5.76	104.37	111.75
1	6A	27	LYS	N-CA-C	-5.76	104.37	111.75
4	6P	72[1]	ARG	O-C-N	-5.76	116.45	123.19
4	6P	72[2]	ARG	O-C-N	-5.76	116.45	123.19
4	6X	72[1]	ARG	O-C-N	-5.76	116.45	123.19
4	6X	72[2]	ARG	O-C-N	-5.76	116.45	123.19
4	7H	72[1]	ARG	O-C-N	-5.76	116.45	123.19
4	7H	72[2]	ARG	O-C-N	-5.76	116.45	123.19
4	7T	72[1]	ARG	O-C-N	-5.76	116.45	123.19
4	7T	72[2]	ARG	O-C-N	-5.76	116.45	123.19
2	1F	74	TYR	N-CA-CB	5.76	121.56	111.13
2	1F	218	ARG	O-C-N	5.76	130.25	122.59
2	13	80	GLU	CB-CA-C	5.76	122.35	110.31
2	17	80	GLU	CB-CA-C	5.76	122.35	110.31
2	2B	80	GLU	CB-CA-C	5.76	122.35	110.31
2	2N	74	TYR	N-CA-CB	5.76	121.56	111.13
2	2N	218	ARG	O-C-N	5.76	130.25	122.59
2	23	74	TYR	N-CA-CB	5.76	121.56	111.13
2	23	218	ARG	O-C-N	5.76	130.25	122.59
2	3N	74	TYR	N-CA-CB	5.76	121.56	111.13
2	3N	218	ARG	O-C-N	5.76	130.25	122.59
2	3R	80	GLU	CB-CA-C	5.76	122.35	110.31
2	3V	80	GLU	CB-CA-C	5.76	122.35	110.31
2	3Z	80	GLU	CB-CA-C	5.76	122.35	110.31
2	37	74	TYR	N-CA-CB	5.76	121.56	111.13
2	37	218	ARG	O-C-N	5.76	130.25	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4J	74	TYR	N-CA-CB	5.76	121.56	111.13
2	4J	218	ARG	O-C-N	5.76	130.25	122.59
2	4R	74	TYR	N-CA-CB	5.76	121.56	111.13
2	4R	218	ARG	O-C-N	5.76	130.25	122.59
2	5F	80	GLU	CB-CA-C	5.76	122.35	110.31
2	5J	80	GLU	CB-CA-C	5.76	122.35	110.31
2	5N	80	GLU	CB-CA-C	5.76	122.35	110.31
2	5Z	74	TYR	N-CA-CB	5.76	121.56	111.13
2	5Z	218	ARG	O-C-N	5.76	130.25	122.59
2	6F	74	TYR	N-CA-CB	5.76	121.56	111.13
2	6F	218	ARG	O-C-N	5.76	130.25	122.59
2	6Z	74	TYR	N-CA-CB	5.76	121.56	111.13
2	6Z	218	ARG	O-C-N	5.76	130.25	122.59
2	63	80	GLU	CB-CA-C	5.76	122.35	110.31
2	67	80	GLU	CB-CA-C	5.76	122.35	110.31
2	7B	80	GLU	CB-CA-C	5.76	122.35	110.31
2	7J	74	TYR	N-CA-CB	5.76	121.56	111.13
2	7J	218	ARG	O-C-N	5.76	130.25	122.59
2	7V	74	TYR	N-CA-CB	5.76	121.56	111.13
2	7V	218	ARG	O-C-N	5.76	130.25	122.59
2	1B	80	GLU	CB-CA-C	5.76	122.35	110.31
2	1J	80	GLU	CB-CA-C	5.76	122.35	110.31
2	1N	218	ARG	O-C-N	5.76	130.25	122.59
2	2F	80	GLU	CB-CA-C	5.76	122.35	110.31
2	2J	218	ARG	O-C-N	5.76	130.25	122.59
2	27	80	GLU	CB-CA-C	5.76	122.35	110.31
2	3B	218	ARG	O-C-N	5.76	130.25	122.59
2	3F	80	GLU	CB-CA-C	5.76	122.35	110.31
2	3J	218	ARG	O-C-N	5.76	130.25	122.59
2	33	218	ARG	O-C-N	5.76	130.25	122.59
2	4B	80	GLU	CB-CA-C	5.76	122.35	110.31
2	4F	218	ARG	O-C-N	5.76	130.25	122.59
2	4N	80	GLU	CB-CA-C	5.76	122.35	110.31
2	4V	80	GLU	CB-CA-C	5.76	122.35	110.31
2	4Z	218	ARG	O-C-N	5.76	130.25	122.59
2	5R	80	GLU	CB-CA-C	5.76	122.35	110.31
2	5V	218	ARG	O-C-N	5.76	130.25	122.59
2	6J	80	GLU	CB-CA-C	5.76	122.35	110.31
2	6N	218	ARG	O-C-N	5.76	130.25	122.59
2	6R	80	GLU	CB-CA-C	5.76	122.35	110.31
2	6V	218	ARG	O-C-N	5.76	130.25	122.59
2	7F	218	ARG	O-C-N	5.76	130.25	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7N	80	GLU	CB-CA-C	5.76	122.35	110.31
2	7R	218	ARG	O-C-N	5.76	130.25	122.59
2	1N	80	GLU	CB-CA-C	5.76	122.34	110.31
2	2J	80	GLU	CB-CA-C	5.76	122.34	110.31
2	3B	80	GLU	CB-CA-C	5.76	122.34	110.31
2	3J	80	GLU	CB-CA-C	5.76	122.34	110.31
2	33	80	GLU	CB-CA-C	5.76	122.34	110.31
2	4F	80	GLU	CB-CA-C	5.76	122.34	110.31
2	4Z	80	GLU	CB-CA-C	5.76	122.34	110.31
2	5V	80	GLU	CB-CA-C	5.76	122.34	110.31
2	6N	80	GLU	CB-CA-C	5.76	122.34	110.31
2	6V	80	GLU	CB-CA-C	5.76	122.34	110.31
2	7F	80	GLU	CB-CA-C	5.76	122.34	110.31
2	7R	80	GLU	CB-CA-C	5.76	122.34	110.31
2	1F	21	THR	CA-CB-OG1	5.75	118.23	109.60
2	13	21	THR	CA-CB-OG1	5.75	118.23	109.60
4	15	72[1]	ARG	O-C-N	-5.75	116.46	123.19
4	15	72[2]	ARG	O-C-N	-5.75	116.46	123.19
2	17	21	THR	CA-CB-OG1	5.75	118.23	109.60
4	19	72[1]	ARG	O-C-N	-5.75	116.46	123.19
4	19	72[2]	ARG	O-C-N	-5.75	116.46	123.19
2	2B	21	THR	CA-CB-OG1	5.75	118.23	109.60
4	2D	72[1]	ARG	O-C-N	-5.75	116.46	123.19
4	2D	72[2]	ARG	O-C-N	-5.75	116.46	123.19
2	2N	21	THR	CA-CB-OG1	5.75	118.23	109.60
2	23	21	THR	CA-CB-OG1	5.75	118.23	109.60
2	3N	21	THR	CA-CB-OG1	5.75	118.23	109.60
2	3R	21	THR	CA-CB-OG1	5.75	118.23	109.60
4	3T	72[1]	ARG	O-C-N	-5.75	116.46	123.19
4	3T	72[2]	ARG	O-C-N	-5.75	116.46	123.19
2	3V	21	THR	CA-CB-OG1	5.75	118.23	109.60
4	3X	72[1]	ARG	O-C-N	-5.75	116.46	123.19
4	3X	72[2]	ARG	O-C-N	-5.75	116.46	123.19
2	3Z	21	THR	CA-CB-OG1	5.75	118.23	109.60
4	31	72[1]	ARG	O-C-N	-5.75	116.46	123.19
4	31	72[2]	ARG	O-C-N	-5.75	116.46	123.19
2	37	21	THR	CA-CB-OG1	5.75	118.23	109.60
2	4J	21	THR	CA-CB-OG1	5.75	118.23	109.60
2	4R	21	THR	CA-CB-OG1	5.75	118.23	109.60
2	5F	21	THR	CA-CB-OG1	5.75	118.23	109.60
4	5H	72[1]	ARG	O-C-N	-5.75	116.46	123.19
4	5H	72[2]	ARG	O-C-N	-5.75	116.46	123.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5J	21	THR	CA-CB-OG1	5.75	118.23	109.60
4	5L	72[1]	ARG	O-C-N	-5.75	116.46	123.19
4	5L	72[2]	ARG	O-C-N	-5.75	116.46	123.19
2	5N	21	THR	CA-CB-OG1	5.75	118.23	109.60
4	5P	72[1]	ARG	O-C-N	-5.75	116.46	123.19
4	5P	72[2]	ARG	O-C-N	-5.75	116.46	123.19
2	5Z	21	THR	CA-CB-OG1	5.75	118.23	109.60
2	6F	21	THR	CA-CB-OG1	5.75	118.23	109.60
2	6Z	21	THR	CA-CB-OG1	5.75	118.23	109.60
2	63	21	THR	CA-CB-OG1	5.75	118.23	109.60
4	65	72[1]	ARG	O-C-N	-5.75	116.46	123.19
4	65	72[2]	ARG	O-C-N	-5.75	116.46	123.19
2	67	21	THR	CA-CB-OG1	5.75	118.23	109.60
4	69	72[1]	ARG	O-C-N	-5.75	116.46	123.19
4	69	72[2]	ARG	O-C-N	-5.75	116.46	123.19
2	7B	21	THR	CA-CB-OG1	5.75	118.23	109.60
4	7D	72[1]	ARG	O-C-N	-5.75	116.46	123.19
4	7D	72[2]	ARG	O-C-N	-5.75	116.46	123.19
2	7J	21	THR	CA-CB-OG1	5.75	118.23	109.60
2	7V	21	THR	CA-CB-OG1	5.75	118.23	109.60
1	12	90	PHE	CG-CD1-CE1	-5.75	110.92	120.70
1	16	90	PHE	CG-CD1-CE1	-5.75	110.92	120.70
1	2A	90	PHE	CG-CD1-CE1	-5.75	110.92	120.70
1	3Q	90	PHE	CG-CD1-CE1	-5.75	110.92	120.70
1	3U	90	PHE	CG-CD1-CE1	-5.75	110.92	120.70
1	3Y	90	PHE	CG-CD1-CE1	-5.75	110.92	120.70
1	5E	90	PHE	CG-CD1-CE1	-5.75	110.92	120.70
1	5I	90	PHE	CG-CD1-CE1	-5.75	110.92	120.70
1	5M	90	PHE	CG-CD1-CE1	-5.75	110.92	120.70
1	62	90	PHE	CG-CD1-CE1	-5.75	110.92	120.70
1	66	90	PHE	CG-CD1-CE1	-5.75	110.92	120.70
1	7A	90	PHE	CG-CD1-CE1	-5.75	110.92	120.70
2	1B	218	ARG	O-C-N	5.75	130.23	122.59
1	1E	38	PRO	O-C-N	-5.75	114.88	122.64
2	1J	218	ARG	O-C-N	5.75	130.23	122.59
1	1Q	38	PRO	O-C-N	-5.75	114.88	122.64
1	1U	38	PRO	O-C-N	-5.75	114.88	122.64
1	1Y	38	PRO	O-C-N	-5.75	114.88	122.64
2	2F	218	ARG	O-C-N	5.75	130.23	122.59
1	2M	38	PRO	O-C-N	-5.75	114.88	122.64
1	2Q	38	PRO	O-C-N	-5.75	114.88	122.64
1	2U	38	PRO	O-C-N	-5.75	114.88	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2Y	38	PRO	O-C-N	-5.75	114.88	122.64
1	22	38	PRO	O-C-N	-5.75	114.88	122.64
2	27	218	ARG	O-C-N	5.75	130.23	122.59
2	3F	218	ARG	O-C-N	5.75	130.23	122.59
1	3M	38	PRO	O-C-N	-5.75	114.88	122.64
1	36	38	PRO	O-C-N	-5.75	114.88	122.64
2	4B	218	ARG	O-C-N	5.75	130.23	122.59
1	4I	38	PRO	O-C-N	-5.75	114.88	122.64
2	4N	218	ARG	O-C-N	5.75	130.23	122.59
1	4Q	38	PRO	O-C-N	-5.75	114.88	122.64
2	4V	218	ARG	O-C-N	5.75	130.23	122.59
1	42	38	PRO	O-C-N	-5.75	114.88	122.64
1	46	38	PRO	O-C-N	-5.75	114.88	122.64
1	5A	38	PRO	O-C-N	-5.75	114.88	122.64
2	5R	218	ARG	O-C-N	5.75	130.23	122.59
1	5Y	38	PRO	O-C-N	-5.75	114.88	122.64
1	52	38	PRO	O-C-N	-5.75	114.88	122.64
1	56	38	PRO	O-C-N	-5.75	114.88	122.64
1	6A	38	PRO	O-C-N	-5.75	114.88	122.64
1	6E	38	PRO	O-C-N	-5.75	114.88	122.64
2	6J	218	ARG	O-C-N	5.75	130.23	122.59
2	6R	218	ARG	O-C-N	5.75	130.23	122.59
1	6Y	38	PRO	O-C-N	-5.75	114.88	122.64
1	7I	38	PRO	O-C-N	-5.75	114.88	122.64
2	7N	218	ARG	O-C-N	5.75	130.23	122.59
1	7U	38	PRO	O-C-N	-5.75	114.88	122.64
2	1R	80	GLU	CB-CA-C	5.75	122.32	110.31
2	1V	80	GLU	CB-CA-C	5.75	122.32	110.31
2	1Z	80	GLU	CB-CA-C	5.75	122.32	110.31
2	2R	80	GLU	CB-CA-C	5.75	122.32	110.31
2	2V	80	GLU	CB-CA-C	5.75	122.32	110.31
2	2Z	80	GLU	CB-CA-C	5.75	122.32	110.31
2	43	80	GLU	CB-CA-C	5.75	122.32	110.31
2	47	80	GLU	CB-CA-C	5.75	122.32	110.31
2	5B	80	GLU	CB-CA-C	5.75	122.32	110.31
2	53	80	GLU	CB-CA-C	5.75	122.32	110.31
2	57	80	GLU	CB-CA-C	5.75	122.32	110.31
2	6B	80	GLU	CB-CA-C	5.75	122.32	110.31
1	12	38	PRO	O-C-N	-5.74	114.89	122.64
1	16	38	PRO	O-C-N	-5.74	114.89	122.64
1	2A	38	PRO	O-C-N	-5.74	114.89	122.64
1	3Q	38	PRO	O-C-N	-5.74	114.89	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	38	PRO	O-C-N	-5.74	114.89	122.64
1	3Y	38	PRO	O-C-N	-5.74	114.89	122.64
1	5E	38	PRO	O-C-N	-5.74	114.89	122.64
1	5I	38	PRO	O-C-N	-5.74	114.89	122.64
1	5M	38	PRO	O-C-N	-5.74	114.89	122.64
1	62	38	PRO	O-C-N	-5.74	114.89	122.64
1	66	38	PRO	O-C-N	-5.74	114.89	122.64
1	7A	38	PRO	O-C-N	-5.74	114.89	122.64
2	1N	21	THR	CA-CB-OG1	5.74	118.21	109.60
1	1Q	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	1U	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	1Y	1	ASP	CA-CB-CG	-5.74	106.86	112.60
2	2J	21	THR	CA-CB-OG1	5.74	118.21	109.60
1	2Q	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	2U	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	2Y	1	ASP	CA-CB-CG	-5.74	106.86	112.60
2	3B	21	THR	CA-CB-OG1	5.74	118.21	109.60
2	3J	21	THR	CA-CB-OG1	5.74	118.21	109.60
2	33	21	THR	CA-CB-OG1	5.74	118.21	109.60
2	4F	21	THR	CA-CB-OG1	5.74	118.21	109.60
2	4Z	21	THR	CA-CB-OG1	5.74	118.21	109.60
1	42	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	46	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	5A	1	ASP	CA-CB-CG	-5.74	106.86	112.60
2	5V	21	THR	CA-CB-OG1	5.74	118.21	109.60
1	52	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	56	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	6A	1	ASP	CA-CB-CG	-5.74	106.86	112.60
2	6N	21	THR	CA-CB-OG1	5.74	118.21	109.60
2	6V	21	THR	CA-CB-OG1	5.74	118.21	109.60
2	7F	21	THR	CA-CB-OG1	5.74	118.21	109.60
2	7R	21	THR	CA-CB-OG1	5.74	118.21	109.60
1	1E	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	1M	38	PRO	O-C-N	-5.74	114.89	122.64
2	13	218	ARG	O-C-N	5.74	130.22	122.59
2	17	218	ARG	O-C-N	5.74	130.22	122.59
2	2B	218	ARG	O-C-N	5.74	130.22	122.59
1	2I	38	PRO	O-C-N	-5.74	114.89	122.64
1	2M	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	22	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	3A	38	PRO	O-C-N	-5.74	114.89	122.64
1	3I	38	PRO	O-C-N	-5.74	114.89	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3M	1	ASP	CA-CB-CG	-5.74	106.86	112.60
2	3R	218	ARG	O-C-N	5.74	130.22	122.59
2	3V	218	ARG	O-C-N	5.74	130.22	122.59
2	3Z	218	ARG	O-C-N	5.74	130.22	122.59
1	32	38	PRO	O-C-N	-5.74	114.89	122.64
1	36	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	4E	38	PRO	O-C-N	-5.74	114.89	122.64
1	4I	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	4Q	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	4Y	38	PRO	O-C-N	-5.74	114.89	122.64
2	5F	218	ARG	O-C-N	5.74	130.22	122.59
2	5J	218	ARG	O-C-N	5.74	130.22	122.59
2	5N	218	ARG	O-C-N	5.74	130.22	122.59
1	5U	38	PRO	O-C-N	-5.74	114.89	122.64
1	5Y	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	6E	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	6M	38	PRO	O-C-N	-5.74	114.89	122.64
1	6U	38	PRO	O-C-N	-5.74	114.89	122.64
1	6Y	1	ASP	CA-CB-CG	-5.74	106.86	112.60
2	63	218	ARG	O-C-N	5.74	130.22	122.59
2	67	218	ARG	O-C-N	5.74	130.22	122.59
2	7B	218	ARG	O-C-N	5.74	130.22	122.59
1	7E	38	PRO	O-C-N	-5.74	114.89	122.64
1	7I	1	ASP	CA-CB-CG	-5.74	106.86	112.60
1	7Q	38	PRO	O-C-N	-5.74	114.89	122.64
1	7U	1	ASP	CA-CB-CG	-5.74	106.86	112.60
4	15	104	HIS	CG-ND1-CE1	-5.73	99.56	109.30
4	19	104	HIS	CG-ND1-CE1	-5.73	99.56	109.30
4	2D	104	HIS	CG-ND1-CE1	-5.73	99.56	109.30
4	3T	104	HIS	CG-ND1-CE1	-5.73	99.56	109.30
4	3X	104	HIS	CG-ND1-CE1	-5.73	99.56	109.30
4	31	104	HIS	CG-ND1-CE1	-5.73	99.56	109.30
4	5H	104	HIS	CG-ND1-CE1	-5.73	99.56	109.30
4	5L	104	HIS	CG-ND1-CE1	-5.73	99.56	109.30
4	5P	104	HIS	CG-ND1-CE1	-5.73	99.56	109.30
4	65	104	HIS	CG-ND1-CE1	-5.73	99.56	109.30
4	69	104	HIS	CG-ND1-CE1	-5.73	99.56	109.30
4	7D	104	HIS	CG-ND1-CE1	-5.73	99.56	109.30
2	1F	80	GLU	CB-CA-C	5.73	122.28	110.31
2	1R	218	ARG	O-C-N	5.73	130.21	122.59
2	1V	218	ARG	O-C-N	5.73	130.21	122.59
2	1Z	218	ARG	O-C-N	5.73	130.21	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	80	GLU	CB-CA-C	5.73	122.28	110.31
2	2R	218	ARG	O-C-N	5.73	130.21	122.59
2	2V	218	ARG	O-C-N	5.73	130.21	122.59
2	2Z	218	ARG	O-C-N	5.73	130.21	122.59
2	23	80	GLU	CB-CA-C	5.73	122.28	110.31
2	3N	80	GLU	CB-CA-C	5.73	122.28	110.31
2	37	80	GLU	CB-CA-C	5.73	122.28	110.31
2	4J	80	GLU	CB-CA-C	5.73	122.28	110.31
2	4R	80	GLU	CB-CA-C	5.73	122.28	110.31
2	43	218	ARG	O-C-N	5.73	130.21	122.59
2	47	218	ARG	O-C-N	5.73	130.21	122.59
2	5B	218	ARG	O-C-N	5.73	130.21	122.59
2	5Z	80	GLU	CB-CA-C	5.73	122.28	110.31
2	53	218	ARG	O-C-N	5.73	130.21	122.59
2	57	218	ARG	O-C-N	5.73	130.21	122.59
2	6B	218	ARG	O-C-N	5.73	130.21	122.59
2	6F	80	GLU	CB-CA-C	5.73	122.28	110.31
2	6Z	80	GLU	CB-CA-C	5.73	122.28	110.31
2	7J	80	GLU	CB-CA-C	5.73	122.28	110.31
2	7V	80	GLU	CB-CA-C	5.73	122.28	110.31
2	1R	48	ILE	CA-C-N	-5.73	113.19	122.81
2	1R	48	ILE	C-N-CA	-5.73	113.19	122.81
2	1V	48	ILE	CA-C-N	-5.73	113.19	122.81
2	1V	48	ILE	C-N-CA	-5.73	113.19	122.81
2	1Z	48	ILE	CA-C-N	-5.73	113.19	122.81
2	1Z	48	ILE	C-N-CA	-5.73	113.19	122.81
2	2R	48	ILE	CA-C-N	-5.73	113.19	122.81
2	2R	48	ILE	C-N-CA	-5.73	113.19	122.81
2	2V	48	ILE	CA-C-N	-5.73	113.19	122.81
2	2V	48	ILE	C-N-CA	-5.73	113.19	122.81
2	2Z	48	ILE	CA-C-N	-5.73	113.19	122.81
2	2Z	48	ILE	C-N-CA	-5.73	113.19	122.81
2	43	48	ILE	CA-C-N	-5.73	113.19	122.81
2	43	48	ILE	C-N-CA	-5.73	113.19	122.81
2	47	48	ILE	CA-C-N	-5.73	113.19	122.81
2	47	48	ILE	C-N-CA	-5.73	113.19	122.81
2	5B	48	ILE	CA-C-N	-5.73	113.19	122.81
2	5B	48	ILE	C-N-CA	-5.73	113.19	122.81
2	53	48	ILE	CA-C-N	-5.73	113.19	122.81
2	53	48	ILE	C-N-CA	-5.73	113.19	122.81
2	57	48	ILE	CA-C-N	-5.73	113.19	122.81
2	57	48	ILE	C-N-CA	-5.73	113.19	122.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6B	48	ILE	CA-C-N	-5.73	113.19	122.81
2	6B	48	ILE	C-N-CA	-5.73	113.19	122.81
1	1Q	43	HIS	CA-C-N	5.72	132.47	121.54
1	1Q	43	HIS	C-N-CA	5.72	132.47	121.54
1	1U	43	HIS	CA-C-N	5.72	132.47	121.54
1	1U	43	HIS	C-N-CA	5.72	132.47	121.54
1	1Y	43	HIS	CA-C-N	5.72	132.47	121.54
1	1Y	43	HIS	C-N-CA	5.72	132.47	121.54
1	2Q	43	HIS	CA-C-N	5.72	132.47	121.54
1	2Q	43	HIS	C-N-CA	5.72	132.47	121.54
1	2U	43	HIS	CA-C-N	5.72	132.47	121.54
1	2U	43	HIS	C-N-CA	5.72	132.47	121.54
1	2Y	43	HIS	CA-C-N	5.72	132.47	121.54
1	2Y	43	HIS	C-N-CA	5.72	132.47	121.54
1	42	43	HIS	CA-C-N	5.72	132.47	121.54
1	42	43	HIS	C-N-CA	5.72	132.47	121.54
1	46	43	HIS	CA-C-N	5.72	132.47	121.54
1	46	43	HIS	C-N-CA	5.72	132.47	121.54
1	5A	43	HIS	CA-C-N	5.72	132.47	121.54
1	5A	43	HIS	C-N-CA	5.72	132.47	121.54
1	52	43	HIS	CA-C-N	5.72	132.47	121.54
1	52	43	HIS	C-N-CA	5.72	132.47	121.54
1	56	43	HIS	CA-C-N	5.72	132.47	121.54
1	56	43	HIS	C-N-CA	5.72	132.47	121.54
1	6A	43	HIS	CA-C-N	5.72	132.47	121.54
1	6A	43	HIS	C-N-CA	5.72	132.47	121.54
1	12	43	HIS	CA-C-N	5.72	132.47	121.54
1	12	43	HIS	C-N-CA	5.72	132.47	121.54
1	16	43	HIS	CA-C-N	5.72	132.47	121.54
1	16	43	HIS	C-N-CA	5.72	132.47	121.54
1	2A	43	HIS	CA-C-N	5.72	132.47	121.54
1	2A	43	HIS	C-N-CA	5.72	132.47	121.54
1	3Q	43	HIS	CA-C-N	5.72	132.47	121.54
1	3Q	43	HIS	C-N-CA	5.72	132.47	121.54
1	3U	43	HIS	CA-C-N	5.72	132.47	121.54
1	3U	43	HIS	C-N-CA	5.72	132.47	121.54
1	3Y	43	HIS	CA-C-N	5.72	132.47	121.54
1	3Y	43	HIS	C-N-CA	5.72	132.47	121.54
1	5E	43	HIS	CA-C-N	5.72	132.47	121.54
1	5E	43	HIS	C-N-CA	5.72	132.47	121.54
1	5I	43	HIS	CA-C-N	5.72	132.47	121.54
1	5I	43	HIS	C-N-CA	5.72	132.47	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5M	43	HIS	CA-C-N	5.72	132.47	121.54
1	5M	43	HIS	C-N-CA	5.72	132.47	121.54
1	62	43	HIS	CA-C-N	5.72	132.47	121.54
1	62	43	HIS	C-N-CA	5.72	132.47	121.54
1	66	43	HIS	CA-C-N	5.72	132.47	121.54
1	66	43	HIS	C-N-CA	5.72	132.47	121.54
1	7A	43	HIS	CA-C-N	5.72	132.47	121.54
1	7A	43	HIS	C-N-CA	5.72	132.47	121.54
1	1A	43	HIS	CA-C-N	5.72	132.47	121.54
1	1A	43	HIS	C-N-CA	5.72	132.47	121.54
1	1A	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
1	1I	43	HIS	CA-C-N	5.72	132.47	121.54
1	1I	43	HIS	C-N-CA	5.72	132.47	121.54
1	1I	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
3	1O	50	TYR	N-CA-C	-5.72	106.25	113.23
4	1P	104	HIS	CG-ND1-CE1	-5.72	99.58	109.30
1	2E	43	HIS	CA-C-N	5.72	132.47	121.54
1	2E	43	HIS	C-N-CA	5.72	132.47	121.54
1	2E	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
3	2K	50	TYR	N-CA-C	-5.72	106.25	113.23
4	2L	104	HIS	CG-ND1-CE1	-5.72	99.58	109.30
1	26	43	HIS	CA-C-N	5.72	132.47	121.54
1	26	43	HIS	C-N-CA	5.72	132.47	121.54
1	26	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
3	3C	50	TYR	N-CA-C	-5.72	106.25	113.23
4	3D	104	HIS	CG-ND1-CE1	-5.72	99.58	109.30
1	3E	43	HIS	CA-C-N	5.72	132.47	121.54
1	3E	43	HIS	C-N-CA	5.72	132.47	121.54
1	3E	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
3	3K	50	TYR	N-CA-C	-5.72	106.25	113.23
4	3L	104	HIS	CG-ND1-CE1	-5.72	99.58	109.30
3	34	50	TYR	N-CA-C	-5.72	106.25	113.23
4	35	104	HIS	CG-ND1-CE1	-5.72	99.58	109.30
1	4A	43	HIS	CA-C-N	5.72	132.47	121.54
1	4A	43	HIS	C-N-CA	5.72	132.47	121.54
1	4A	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
3	4G	50	TYR	N-CA-C	-5.72	106.25	113.23
4	4H	104	HIS	CG-ND1-CE1	-5.72	99.58	109.30
1	4M	43	HIS	CA-C-N	5.72	132.47	121.54
1	4M	43	HIS	C-N-CA	5.72	132.47	121.54
1	4M	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
1	4U	43	HIS	CA-C-N	5.72	132.47	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4U	43	HIS	C-N-CA	5.72	132.47	121.54
1	4U	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
3	40	50	TYR	N-CA-C	-5.72	106.25	113.23
4	41	104	HIS	CG-ND1-CE1	-5.72	99.58	109.30
1	5Q	43	HIS	CA-C-N	5.72	132.47	121.54
1	5Q	43	HIS	C-N-CA	5.72	132.47	121.54
1	5Q	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
3	5W	50	TYR	N-CA-C	-5.72	106.25	113.23
4	5X	104	HIS	CG-ND1-CE1	-5.72	99.58	109.30
1	6I	43	HIS	CA-C-N	5.72	132.47	121.54
1	6I	43	HIS	C-N-CA	5.72	132.47	121.54
1	6I	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
3	6O	50	TYR	N-CA-C	-5.72	106.25	113.23
4	6P	104	HIS	CG-ND1-CE1	-5.72	99.58	109.30
1	6Q	43	HIS	CA-C-N	5.72	132.47	121.54
1	6Q	43	HIS	C-N-CA	5.72	132.47	121.54
1	6Q	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
3	6W	50	TYR	N-CA-C	-5.72	106.25	113.23
4	6X	104	HIS	CG-ND1-CE1	-5.72	99.58	109.30
3	7G	50	TYR	N-CA-C	-5.72	106.25	113.23
4	7H	104	HIS	CG-ND1-CE1	-5.72	99.58	109.30
1	7M	43	HIS	CA-C-N	5.72	132.47	121.54
1	7M	43	HIS	C-N-CA	5.72	132.47	121.54
1	7M	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
3	7S	50	TYR	N-CA-C	-5.72	106.25	113.23
4	7T	104	HIS	CG-ND1-CE1	-5.72	99.58	109.30
3	1O	30	HIS	CB-CA-C	-5.72	109.45	117.23
1	1Q	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
1	1U	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
1	1Y	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
3	2K	30	HIS	CB-CA-C	-5.72	109.45	117.23
1	2Q	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
1	2U	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
1	2Y	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
3	3C	30	HIS	CB-CA-C	-5.72	109.45	117.23
3	3K	30	HIS	CB-CA-C	-5.72	109.45	117.23
3	34	30	HIS	CB-CA-C	-5.72	109.45	117.23
3	4G	30	HIS	CB-CA-C	-5.72	109.45	117.23
3	40	30	HIS	CB-CA-C	-5.72	109.45	117.23
1	42	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
1	46	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
1	5A	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	5W	30	HIS	CB-CA-C	-5.72	109.45	117.23
1	52	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
1	56	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
1	6A	90	PHE	CG-CD1-CE1	-5.72	110.98	120.70
3	6O	30	HIS	CB-CA-C	-5.72	109.45	117.23
3	6W	30	HIS	CB-CA-C	-5.72	109.45	117.23
3	7G	30	HIS	CB-CA-C	-5.72	109.45	117.23
3	7S	30	HIS	CB-CA-C	-5.72	109.45	117.23
3	14	30	HIS	CB-CA-C	-5.72	109.46	117.23
3	18	30	HIS	CB-CA-C	-5.72	109.46	117.23
3	2C	30	HIS	CB-CA-C	-5.72	109.46	117.23
3	3S	30	HIS	CB-CA-C	-5.72	109.46	117.23
3	3W	30	HIS	CB-CA-C	-5.72	109.46	117.23
3	30	30	HIS	CB-CA-C	-5.72	109.46	117.23
3	5G	30	HIS	CB-CA-C	-5.72	109.46	117.23
3	5K	30	HIS	CB-CA-C	-5.72	109.46	117.23
3	5O	30	HIS	CB-CA-C	-5.72	109.46	117.23
3	64	30	HIS	CB-CA-C	-5.72	109.46	117.23
3	68	30	HIS	CB-CA-C	-5.72	109.46	117.23
3	7C	30	HIS	CB-CA-C	-5.72	109.46	117.23
3	1C	50	TYR	N-CA-C	-5.71	106.26	113.23
4	1H	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
3	1K	50	TYR	N-CA-C	-5.71	106.26	113.23
4	1T	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
4	1X	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
4	11	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
1	12	55	LEU	CA-C-N	5.71	127.87	120.44
1	12	55	LEU	C-N-CA	5.71	127.87	120.44
1	16	55	LEU	CA-C-N	5.71	127.87	120.44
1	16	55	LEU	C-N-CA	5.71	127.87	120.44
1	2A	55	LEU	CA-C-N	5.71	127.87	120.44
1	2A	55	LEU	C-N-CA	5.71	127.87	120.44
3	2G	50	TYR	N-CA-C	-5.71	106.26	113.23
4	2P	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
4	2T	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
4	2X	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
4	21	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
4	25	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
3	28	50	TYR	N-CA-C	-5.71	106.26	113.23
3	3G	50	TYR	N-CA-C	-5.71	106.26	113.23
4	3P	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
1	3Q	55	LEU	CA-C-N	5.71	127.87	120.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Q	55	LEU	C-N-CA	5.71	127.87	120.44
1	3U	55	LEU	CA-C-N	5.71	127.87	120.44
1	3U	55	LEU	C-N-CA	5.71	127.87	120.44
1	3Y	55	LEU	CA-C-N	5.71	127.87	120.44
1	3Y	55	LEU	C-N-CA	5.71	127.87	120.44
4	39	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
3	4C	50	TYR	N-CA-C	-5.71	106.26	113.23
4	4L	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
3	4O	50	TYR	N-CA-C	-5.71	106.26	113.23
4	4T	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
3	4W	50	TYR	N-CA-C	-5.71	106.26	113.23
4	45	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
4	49	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
4	5D	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
1	5E	55	LEU	CA-C-N	5.71	127.87	120.44
1	5E	55	LEU	C-N-CA	5.71	127.87	120.44
1	5I	55	LEU	CA-C-N	5.71	127.87	120.44
1	5I	55	LEU	C-N-CA	5.71	127.87	120.44
1	5M	55	LEU	CA-C-N	5.71	127.87	120.44
1	5M	55	LEU	C-N-CA	5.71	127.87	120.44
3	5S	50	TYR	N-CA-C	-5.71	106.26	113.23
4	51	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
4	55	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
4	59	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
4	6D	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
4	6H	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
3	6K	50	TYR	N-CA-C	-5.71	106.26	113.23
3	6S	50	TYR	N-CA-C	-5.71	106.26	113.23
4	61	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
1	62	55	LEU	CA-C-N	5.71	127.87	120.44
1	62	55	LEU	C-N-CA	5.71	127.87	120.44
1	66	55	LEU	CA-C-N	5.71	127.87	120.44
1	66	55	LEU	C-N-CA	5.71	127.87	120.44
1	7A	55	LEU	CA-C-N	5.71	127.87	120.44
1	7A	55	LEU	C-N-CA	5.71	127.87	120.44
4	7L	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
3	7O	50	TYR	N-CA-C	-5.71	106.26	113.23
4	7X	104	HIS	CG-ND1-CE1	-5.71	99.58	109.30
1	1E	43	HIS	CA-C-N	5.71	132.45	121.54
1	1E	43	HIS	C-N-CA	5.71	132.45	121.54
1	2M	43	HIS	CA-C-N	5.71	132.45	121.54
1	2M	43	HIS	C-N-CA	5.71	132.45	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22	43	HIS	CA-C-N	5.71	132.45	121.54
1	22	43	HIS	C-N-CA	5.71	132.45	121.54
1	3M	43	HIS	CA-C-N	5.71	132.45	121.54
1	3M	43	HIS	C-N-CA	5.71	132.45	121.54
1	36	43	HIS	CA-C-N	5.71	132.45	121.54
1	36	43	HIS	C-N-CA	5.71	132.45	121.54
1	4I	43	HIS	CA-C-N	5.71	132.45	121.54
1	4I	43	HIS	C-N-CA	5.71	132.45	121.54
1	4Q	43	HIS	CA-C-N	5.71	132.45	121.54
1	4Q	43	HIS	C-N-CA	5.71	132.45	121.54
1	5Y	43	HIS	CA-C-N	5.71	132.45	121.54
1	5Y	43	HIS	C-N-CA	5.71	132.45	121.54
1	6E	43	HIS	CA-C-N	5.71	132.45	121.54
1	6E	43	HIS	C-N-CA	5.71	132.45	121.54
1	6Y	43	HIS	CA-C-N	5.71	132.45	121.54
1	6Y	43	HIS	C-N-CA	5.71	132.45	121.54
1	7I	43	HIS	CA-C-N	5.71	132.45	121.54
1	7I	43	HIS	C-N-CA	5.71	132.45	121.54
1	7U	43	HIS	CA-C-N	5.71	132.45	121.54
1	7U	43	HIS	C-N-CA	5.71	132.45	121.54
1	1M	43	HIS	CA-C-N	5.71	132.45	121.54
1	1M	43	HIS	C-N-CA	5.71	132.45	121.54
3	1S	50	TYR	N-CA-C	-5.71	106.26	113.23
3	1W	50	TYR	N-CA-C	-5.71	106.26	113.23
3	10	50	TYR	N-CA-C	-5.71	106.26	113.23
1	2I	43	HIS	CA-C-N	5.71	132.45	121.54
1	2I	43	HIS	C-N-CA	5.71	132.45	121.54
3	2S	50	TYR	N-CA-C	-5.71	106.26	113.23
3	2W	50	TYR	N-CA-C	-5.71	106.26	113.23
3	20	50	TYR	N-CA-C	-5.71	106.26	113.23
1	3A	43	HIS	CA-C-N	5.71	132.45	121.54
1	3A	43	HIS	C-N-CA	5.71	132.45	121.54
1	3I	43	HIS	CA-C-N	5.71	132.45	121.54
1	3I	43	HIS	C-N-CA	5.71	132.45	121.54
1	32	43	HIS	CA-C-N	5.71	132.45	121.54
1	32	43	HIS	C-N-CA	5.71	132.45	121.54
1	4E	43	HIS	CA-C-N	5.71	132.45	121.54
1	4E	43	HIS	C-N-CA	5.71	132.45	121.54
1	4Y	43	HIS	CA-C-N	5.71	132.45	121.54
1	4Y	43	HIS	C-N-CA	5.71	132.45	121.54
3	44	50	TYR	N-CA-C	-5.71	106.26	113.23
3	48	50	TYR	N-CA-C	-5.71	106.26	113.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	5C	50	TYR	N-CA-C	-5.71	106.26	113.23
1	5U	43	HIS	CA-C-N	5.71	132.45	121.54
1	5U	43	HIS	C-N-CA	5.71	132.45	121.54
3	54	50	TYR	N-CA-C	-5.71	106.26	113.23
3	58	50	TYR	N-CA-C	-5.71	106.26	113.23
3	6C	50	TYR	N-CA-C	-5.71	106.26	113.23
1	6M	43	HIS	CA-C-N	5.71	132.45	121.54
1	6M	43	HIS	C-N-CA	5.71	132.45	121.54
1	6U	43	HIS	CA-C-N	5.71	132.45	121.54
1	6U	43	HIS	C-N-CA	5.71	132.45	121.54
1	7E	43	HIS	CA-C-N	5.71	132.45	121.54
1	7E	43	HIS	C-N-CA	5.71	132.45	121.54
1	7Q	43	HIS	CA-C-N	5.71	132.45	121.54
1	7Q	43	HIS	C-N-CA	5.71	132.45	121.54
4	1D	104	HIS	CG-ND1-CE1	-5.71	99.60	109.30
1	1E	68	SER	CA-CB-OG	-5.71	99.68	111.10
3	1G	50	TYR	N-CA-C	-5.71	106.27	113.23
4	1L	104	HIS	CG-ND1-CE1	-5.71	99.60	109.30
1	1M	68	SER	CA-CB-OG	-5.71	99.68	111.10
4	2H	104	HIS	CG-ND1-CE1	-5.71	99.60	109.30
1	2I	68	SER	CA-CB-OG	-5.71	99.68	111.10
1	2M	68	SER	CA-CB-OG	-5.71	99.68	111.10
3	2O	50	TYR	N-CA-C	-5.71	106.27	113.23
1	22	68	SER	CA-CB-OG	-5.71	99.68	111.10
3	24	50	TYR	N-CA-C	-5.71	106.27	113.23
4	29	104	HIS	CG-ND1-CE1	-5.71	99.60	109.30
1	3A	68	SER	CA-CB-OG	-5.71	99.68	111.10
4	3H	104	HIS	CG-ND1-CE1	-5.71	99.60	109.30
1	3I	68	SER	CA-CB-OG	-5.71	99.68	111.10
1	3M	68	SER	CA-CB-OG	-5.71	99.68	111.10
3	3O	50	TYR	N-CA-C	-5.71	106.27	113.23
1	32	68	SER	CA-CB-OG	-5.71	99.68	111.10
1	36	68	SER	CA-CB-OG	-5.71	99.68	111.10
3	38	50	TYR	N-CA-C	-5.71	106.27	113.23
4	4D	104	HIS	CG-ND1-CE1	-5.71	99.60	109.30
1	4E	68	SER	CA-CB-OG	-5.71	99.68	111.10
1	4I	68	SER	CA-CB-OG	-5.71	99.68	111.10
3	4K	50	TYR	N-CA-C	-5.71	106.27	113.23
4	4P	104	HIS	CG-ND1-CE1	-5.71	99.60	109.30
1	4Q	68	SER	CA-CB-OG	-5.71	99.68	111.10
3	4S	50	TYR	N-CA-C	-5.71	106.27	113.23
4	4X	104	HIS	CG-ND1-CE1	-5.71	99.60	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4Y	68	SER	CA-CB-OG	-5.71	99.68	111.10
4	5T	104	HIS	CG-ND1-CE1	-5.71	99.60	109.30
1	5U	68	SER	CA-CB-OG	-5.71	99.68	111.10
1	5Y	68	SER	CA-CB-OG	-5.71	99.68	111.10
3	50	50	TYR	N-CA-C	-5.71	106.27	113.23
1	6E	68	SER	CA-CB-OG	-5.71	99.68	111.10
3	6G	50	TYR	N-CA-C	-5.71	106.27	113.23
4	6L	104	HIS	CG-ND1-CE1	-5.71	99.60	109.30
1	6M	68	SER	CA-CB-OG	-5.71	99.68	111.10
4	6T	104	HIS	CG-ND1-CE1	-5.71	99.60	109.30
1	6U	68	SER	CA-CB-OG	-5.71	99.68	111.10
1	6Y	68	SER	CA-CB-OG	-5.71	99.68	111.10
3	60	50	TYR	N-CA-C	-5.71	106.27	113.23
1	7E	68	SER	CA-CB-OG	-5.71	99.68	111.10
1	7I	68	SER	CA-CB-OG	-5.71	99.68	111.10
3	7K	50	TYR	N-CA-C	-5.71	106.27	113.23
4	7P	104	HIS	CG-ND1-CE1	-5.71	99.60	109.30
1	7Q	68	SER	CA-CB-OG	-5.71	99.68	111.10
1	7U	68	SER	CA-CB-OG	-5.71	99.68	111.10
3	7W	50	TYR	N-CA-C	-5.71	106.27	113.23
1	1E	90	PHE	CG-CD1-CE1	-5.71	111.00	120.70
3	14	50	TYR	N-CA-C	-5.71	106.27	113.23
3	18	50	TYR	N-CA-C	-5.71	106.27	113.23
3	2C	50	TYR	N-CA-C	-5.71	106.27	113.23
1	2M	90	PHE	CG-CD1-CE1	-5.71	111.00	120.70
1	22	90	PHE	CG-CD1-CE1	-5.71	111.00	120.70
1	3M	90	PHE	CG-CD1-CE1	-5.71	111.00	120.70
3	3S	50	TYR	N-CA-C	-5.71	106.27	113.23
3	3W	50	TYR	N-CA-C	-5.71	106.27	113.23
3	30	50	TYR	N-CA-C	-5.71	106.27	113.23
1	36	90	PHE	CG-CD1-CE1	-5.71	111.00	120.70
1	4I	90	PHE	CG-CD1-CE1	-5.71	111.00	120.70
1	4Q	90	PHE	CG-CD1-CE1	-5.71	111.00	120.70
3	5G	50	TYR	N-CA-C	-5.71	106.27	113.23
3	5K	50	TYR	N-CA-C	-5.71	106.27	113.23
3	5O	50	TYR	N-CA-C	-5.71	106.27	113.23
1	5Y	90	PHE	CG-CD1-CE1	-5.71	111.00	120.70
1	6E	90	PHE	CG-CD1-CE1	-5.71	111.00	120.70
1	6Y	90	PHE	CG-CD1-CE1	-5.71	111.00	120.70
3	64	50	TYR	N-CA-C	-5.71	106.27	113.23
3	68	50	TYR	N-CA-C	-5.71	106.27	113.23
3	7C	50	TYR	N-CA-C	-5.71	106.27	113.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	90	PHE	CG-CD1-CE1	-5.71	111.00	120.70
1	7U	90	PHE	CG-CD1-CE1	-5.71	111.00	120.70
1	1A	68	SER	CA-CB-OG	-5.71	99.69	111.10
1	1I	68	SER	CA-CB-OG	-5.71	99.69	111.10
1	2E	68	SER	CA-CB-OG	-5.71	99.69	111.10
1	26	68	SER	CA-CB-OG	-5.71	99.69	111.10
1	3E	68	SER	CA-CB-OG	-5.71	99.69	111.10
1	4A	68	SER	CA-CB-OG	-5.71	99.69	111.10
1	4M	68	SER	CA-CB-OG	-5.71	99.69	111.10
1	4U	68	SER	CA-CB-OG	-5.71	99.69	111.10
1	5Q	68	SER	CA-CB-OG	-5.71	99.69	111.10
1	6I	68	SER	CA-CB-OG	-5.71	99.69	111.10
1	6Q	68	SER	CA-CB-OG	-5.71	99.69	111.10
1	7M	68	SER	CA-CB-OG	-5.71	99.69	111.10
2	1B	48	ILE	CA-C-N	-5.70	113.23	122.81
2	1B	48	ILE	C-N-CA	-5.70	113.23	122.81
2	1J	48	ILE	CA-C-N	-5.70	113.23	122.81
2	1J	48	ILE	C-N-CA	-5.70	113.23	122.81
2	2F	48	ILE	CA-C-N	-5.70	113.23	122.81
2	2F	48	ILE	C-N-CA	-5.70	113.23	122.81
2	27	48	ILE	CA-C-N	-5.70	113.23	122.81
2	27	48	ILE	C-N-CA	-5.70	113.23	122.81
2	3F	48	ILE	CA-C-N	-5.70	113.23	122.81
2	3F	48	ILE	C-N-CA	-5.70	113.23	122.81
2	4B	48	ILE	CA-C-N	-5.70	113.23	122.81
2	4B	48	ILE	C-N-CA	-5.70	113.23	122.81
2	4N	48	ILE	CA-C-N	-5.70	113.23	122.81
2	4N	48	ILE	C-N-CA	-5.70	113.23	122.81
2	4V	48	ILE	CA-C-N	-5.70	113.23	122.81
2	4V	48	ILE	C-N-CA	-5.70	113.23	122.81
2	5R	48	ILE	CA-C-N	-5.70	113.23	122.81
2	5R	48	ILE	C-N-CA	-5.70	113.23	122.81
2	6J	48	ILE	CA-C-N	-5.70	113.23	122.81
2	6J	48	ILE	C-N-CA	-5.70	113.23	122.81
2	6R	48	ILE	CA-C-N	-5.70	113.23	122.81
2	6R	48	ILE	C-N-CA	-5.70	113.23	122.81
2	7N	48	ILE	CA-C-N	-5.70	113.23	122.81
2	7N	48	ILE	C-N-CA	-5.70	113.23	122.81
2	1F	131	PRO	N-CA-C	5.70	120.20	110.74
2	2N	131	PRO	N-CA-C	5.70	120.20	110.74
2	23	131	PRO	N-CA-C	5.70	120.20	110.74
2	3N	131	PRO	N-CA-C	5.70	120.20	110.74

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	131	PRO	N-CA-C	5.70	120.20	110.74
2	4J	131	PRO	N-CA-C	5.70	120.20	110.74
2	4R	131	PRO	N-CA-C	5.70	120.20	110.74
2	5Z	131	PRO	N-CA-C	5.70	120.20	110.74
2	6F	131	PRO	N-CA-C	5.70	120.20	110.74
2	6Z	131	PRO	N-CA-C	5.70	120.20	110.74
2	7J	131	PRO	N-CA-C	5.70	120.20	110.74
2	7V	131	PRO	N-CA-C	5.70	120.20	110.74
1	1A	55	LEU	CA-C-N	5.70	127.85	120.44
1	1A	55	LEU	C-N-CA	5.70	127.85	120.44
1	1I	55	LEU	CA-C-N	5.70	127.85	120.44
1	1I	55	LEU	C-N-CA	5.70	127.85	120.44
1	12	68	SER	CA-CB-OG	-5.70	99.70	111.10
1	16	68	SER	CA-CB-OG	-5.70	99.70	111.10
1	2A	68	SER	CA-CB-OG	-5.70	99.70	111.10
1	2E	55	LEU	CA-C-N	5.70	127.85	120.44
1	2E	55	LEU	C-N-CA	5.70	127.85	120.44
1	26	55	LEU	CA-C-N	5.70	127.85	120.44
1	26	55	LEU	C-N-CA	5.70	127.85	120.44
1	3E	55	LEU	CA-C-N	5.70	127.85	120.44
1	3E	55	LEU	C-N-CA	5.70	127.85	120.44
1	3Q	68	SER	CA-CB-OG	-5.70	99.70	111.10
1	3U	68	SER	CA-CB-OG	-5.70	99.70	111.10
1	3Y	68	SER	CA-CB-OG	-5.70	99.70	111.10
1	4A	55	LEU	CA-C-N	5.70	127.85	120.44
1	4A	55	LEU	C-N-CA	5.70	127.85	120.44
1	4M	55	LEU	CA-C-N	5.70	127.85	120.44
1	4M	55	LEU	C-N-CA	5.70	127.85	120.44
1	4U	55	LEU	CA-C-N	5.70	127.85	120.44
1	4U	55	LEU	C-N-CA	5.70	127.85	120.44
1	5E	68	SER	CA-CB-OG	-5.70	99.70	111.10
1	5I	68	SER	CA-CB-OG	-5.70	99.70	111.10
1	5M	68	SER	CA-CB-OG	-5.70	99.70	111.10
1	5Q	55	LEU	CA-C-N	5.70	127.85	120.44
1	5Q	55	LEU	C-N-CA	5.70	127.85	120.44
1	6I	55	LEU	CA-C-N	5.70	127.85	120.44
1	6I	55	LEU	C-N-CA	5.70	127.85	120.44
1	6Q	55	LEU	CA-C-N	5.70	127.85	120.44
1	6Q	55	LEU	C-N-CA	5.70	127.85	120.44
1	62	68	SER	CA-CB-OG	-5.70	99.70	111.10
1	66	68	SER	CA-CB-OG	-5.70	99.70	111.10
1	7A	68	SER	CA-CB-OG	-5.70	99.70	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	55	LEU	CA-C-N	5.70	127.85	120.44
1	7M	55	LEU	C-N-CA	5.70	127.85	120.44
2	1B	131	PRO	N-CA-C	5.69	120.19	110.74
3	1C	30	HIS	CB-CA-C	-5.69	109.49	117.23
2	1J	131	PRO	N-CA-C	5.69	120.19	110.74
3	1K	30	HIS	CB-CA-C	-5.69	109.49	117.23
1	1Q	68	SER	CA-CB-OG	-5.69	99.72	111.10
2	1R	78	HIS	CA-CB-CG	-5.69	108.11	113.80
1	1U	68	SER	CA-CB-OG	-5.69	99.72	111.10
2	1V	78	HIS	CA-CB-CG	-5.69	108.11	113.80
1	1Y	68	SER	CA-CB-OG	-5.69	99.72	111.10
2	1Z	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	2F	131	PRO	N-CA-C	5.69	120.19	110.74
3	2G	30	HIS	CB-CA-C	-5.69	109.49	117.23
1	2Q	68	SER	CA-CB-OG	-5.69	99.72	111.10
2	2R	78	HIS	CA-CB-CG	-5.69	108.11	113.80
1	2U	68	SER	CA-CB-OG	-5.69	99.72	111.10
2	2V	78	HIS	CA-CB-CG	-5.69	108.11	113.80
1	2Y	68	SER	CA-CB-OG	-5.69	99.72	111.10
2	2Z	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	27	131	PRO	N-CA-C	5.69	120.19	110.74
3	28	30	HIS	CB-CA-C	-5.69	109.49	117.23
2	3F	131	PRO	N-CA-C	5.69	120.19	110.74
3	3G	30	HIS	CB-CA-C	-5.69	109.49	117.23
2	4B	131	PRO	N-CA-C	5.69	120.19	110.74
3	4C	30	HIS	CB-CA-C	-5.69	109.49	117.23
2	4N	131	PRO	N-CA-C	5.69	120.19	110.74
3	4O	30	HIS	CB-CA-C	-5.69	109.49	117.23
2	4V	131	PRO	N-CA-C	5.69	120.19	110.74
3	4W	30	HIS	CB-CA-C	-5.69	109.49	117.23
1	42	68	SER	CA-CB-OG	-5.69	99.72	111.10
2	43	78	HIS	CA-CB-CG	-5.69	108.11	113.80
1	46	68	SER	CA-CB-OG	-5.69	99.72	111.10
2	47	78	HIS	CA-CB-CG	-5.69	108.11	113.80
1	5A	68	SER	CA-CB-OG	-5.69	99.72	111.10
2	5B	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	5R	131	PRO	N-CA-C	5.69	120.19	110.74
3	5S	30	HIS	CB-CA-C	-5.69	109.49	117.23
1	52	68	SER	CA-CB-OG	-5.69	99.72	111.10
2	53	78	HIS	CA-CB-CG	-5.69	108.11	113.80
1	56	68	SER	CA-CB-OG	-5.69	99.72	111.10
2	57	78	HIS	CA-CB-CG	-5.69	108.11	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6A	68	SER	CA-CB-OG	-5.69	99.72	111.10
2	6B	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	6J	131	PRO	N-CA-C	5.69	120.19	110.74
3	6K	30	HIS	CB-CA-C	-5.69	109.49	117.23
2	6R	131	PRO	N-CA-C	5.69	120.19	110.74
3	6S	30	HIS	CB-CA-C	-5.69	109.49	117.23
2	7N	131	PRO	N-CA-C	5.69	120.19	110.74
3	7O	30	HIS	CB-CA-C	-5.69	109.49	117.23
1	1Q	55	LEU	CA-C-N	5.69	127.84	120.44
1	1Q	55	LEU	C-N-CA	5.69	127.84	120.44
1	1U	55	LEU	CA-C-N	5.69	127.84	120.44
1	1U	55	LEU	C-N-CA	5.69	127.84	120.44
1	1Y	55	LEU	CA-C-N	5.69	127.84	120.44
1	1Y	55	LEU	C-N-CA	5.69	127.84	120.44
2	13	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	17	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	2B	78	HIS	CA-CB-CG	-5.69	108.11	113.80
1	2Q	55	LEU	CA-C-N	5.69	127.84	120.44
1	2Q	55	LEU	C-N-CA	5.69	127.84	120.44
1	2U	55	LEU	CA-C-N	5.69	127.84	120.44
1	2U	55	LEU	C-N-CA	5.69	127.84	120.44
1	2Y	55	LEU	CA-C-N	5.69	127.84	120.44
1	2Y	55	LEU	C-N-CA	5.69	127.84	120.44
2	3R	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	3V	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	3Z	78	HIS	CA-CB-CG	-5.69	108.11	113.80
1	42	55	LEU	CA-C-N	5.69	127.84	120.44
1	42	55	LEU	C-N-CA	5.69	127.84	120.44
1	46	55	LEU	CA-C-N	5.69	127.84	120.44
1	46	55	LEU	C-N-CA	5.69	127.84	120.44
1	5A	55	LEU	CA-C-N	5.69	127.84	120.44
1	5A	55	LEU	C-N-CA	5.69	127.84	120.44
2	5F	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	5J	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	5N	78	HIS	CA-CB-CG	-5.69	108.11	113.80
1	52	55	LEU	CA-C-N	5.69	127.84	120.44
1	52	55	LEU	C-N-CA	5.69	127.84	120.44
1	56	55	LEU	CA-C-N	5.69	127.84	120.44
1	56	55	LEU	C-N-CA	5.69	127.84	120.44
1	6A	55	LEU	CA-C-N	5.69	127.84	120.44
1	6A	55	LEU	C-N-CA	5.69	127.84	120.44
2	63	78	HIS	CA-CB-CG	-5.69	108.11	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	7B	78	HIS	CA-CB-CG	-5.69	108.11	113.80
1	1M	55	LEU	CA-C-N	5.69	127.83	120.44
1	1M	55	LEU	C-N-CA	5.69	127.83	120.44
1	1M	90	PHE	CG-CD1-CE1	-5.69	111.03	120.70
2	1N	48	ILE	CA-C-N	-5.69	113.26	122.81
2	1N	48	ILE	C-N-CA	-5.69	113.26	122.81
2	1R	131	PRO	N-CA-C	5.69	120.18	110.74
2	1V	131	PRO	N-CA-C	5.69	120.18	110.74
2	1Z	131	PRO	N-CA-C	5.69	120.18	110.74
1	2I	55	LEU	CA-C-N	5.69	127.83	120.44
1	2I	55	LEU	C-N-CA	5.69	127.83	120.44
1	2I	90	PHE	CG-CD1-CE1	-5.69	111.03	120.70
2	2J	48	ILE	CA-C-N	-5.69	113.26	122.81
2	2J	48	ILE	C-N-CA	-5.69	113.26	122.81
2	2R	131	PRO	N-CA-C	5.69	120.18	110.74
2	2V	131	PRO	N-CA-C	5.69	120.18	110.74
2	2Z	131	PRO	N-CA-C	5.69	120.18	110.74
1	3A	55	LEU	CA-C-N	5.69	127.83	120.44
1	3A	55	LEU	C-N-CA	5.69	127.83	120.44
1	3A	90	PHE	CG-CD1-CE1	-5.69	111.03	120.70
2	3B	48	ILE	CA-C-N	-5.69	113.26	122.81
2	3B	48	ILE	C-N-CA	-5.69	113.26	122.81
1	3I	55	LEU	CA-C-N	5.69	127.83	120.44
1	3I	55	LEU	C-N-CA	5.69	127.83	120.44
1	3I	90	PHE	CG-CD1-CE1	-5.69	111.03	120.70
2	3J	48	ILE	CA-C-N	-5.69	113.26	122.81
2	3J	48	ILE	C-N-CA	-5.69	113.26	122.81
1	32	55	LEU	CA-C-N	5.69	127.83	120.44
1	32	55	LEU	C-N-CA	5.69	127.83	120.44
1	32	90	PHE	CG-CD1-CE1	-5.69	111.03	120.70
2	33	48	ILE	CA-C-N	-5.69	113.26	122.81
2	33	48	ILE	C-N-CA	-5.69	113.26	122.81
1	4E	55	LEU	CA-C-N	5.69	127.83	120.44
1	4E	55	LEU	C-N-CA	5.69	127.83	120.44
1	4E	90	PHE	CG-CD1-CE1	-5.69	111.03	120.70
2	4F	48	ILE	CA-C-N	-5.69	113.26	122.81
2	4F	48	ILE	C-N-CA	-5.69	113.26	122.81
1	4Y	55	LEU	CA-C-N	5.69	127.83	120.44
1	4Y	55	LEU	C-N-CA	5.69	127.83	120.44
1	4Y	90	PHE	CG-CD1-CE1	-5.69	111.03	120.70
2	4Z	48	ILE	CA-C-N	-5.69	113.26	122.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4Z	48	ILE	C-N-CA	-5.69	113.26	122.81
2	43	131	PRO	N-CA-C	5.69	120.18	110.74
2	47	131	PRO	N-CA-C	5.69	120.18	110.74
2	5B	131	PRO	N-CA-C	5.69	120.18	110.74
1	5U	55	LEU	CA-C-N	5.69	127.83	120.44
1	5U	55	LEU	C-N-CA	5.69	127.83	120.44
1	5U	90	PHE	CG-CD1-CE1	-5.69	111.03	120.70
2	5V	48	ILE	CA-C-N	-5.69	113.26	122.81
2	5V	48	ILE	C-N-CA	-5.69	113.26	122.81
2	53	131	PRO	N-CA-C	5.69	120.18	110.74
2	57	131	PRO	N-CA-C	5.69	120.18	110.74
2	6B	131	PRO	N-CA-C	5.69	120.18	110.74
1	6M	55	LEU	CA-C-N	5.69	127.83	120.44
1	6M	55	LEU	C-N-CA	5.69	127.83	120.44
1	6M	90	PHE	CG-CD1-CE1	-5.69	111.03	120.70
2	6N	48	ILE	CA-C-N	-5.69	113.26	122.81
2	6N	48	ILE	C-N-CA	-5.69	113.26	122.81
1	6U	55	LEU	CA-C-N	5.69	127.83	120.44
1	6U	55	LEU	C-N-CA	5.69	127.83	120.44
1	6U	90	PHE	CG-CD1-CE1	-5.69	111.03	120.70
2	6V	48	ILE	CA-C-N	-5.69	113.26	122.81
2	6V	48	ILE	C-N-CA	-5.69	113.26	122.81
1	7E	55	LEU	CA-C-N	5.69	127.83	120.44
1	7E	55	LEU	C-N-CA	5.69	127.83	120.44
1	7E	90	PHE	CG-CD1-CE1	-5.69	111.03	120.70
2	7F	48	ILE	CA-C-N	-5.69	113.26	122.81
2	7F	48	ILE	C-N-CA	-5.69	113.26	122.81
1	7Q	55	LEU	CA-C-N	5.69	127.83	120.44
1	7Q	55	LEU	C-N-CA	5.69	127.83	120.44
1	7Q	90	PHE	CG-CD1-CE1	-5.69	111.03	120.70
2	7R	48	ILE	CA-C-N	-5.69	113.26	122.81
2	7R	48	ILE	C-N-CA	-5.69	113.26	122.81
2	1N	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	2J	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	3B	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	3J	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	33	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	4F	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	4Z	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	5V	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	6N	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	6V	78	HIS	CA-CB-CG	-5.69	108.11	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	78	HIS	CA-CB-CG	-5.69	108.11	113.80
2	7R	78	HIS	CA-CB-CG	-5.69	108.11	113.80
3	1G	30	HIS	CB-CA-C	-5.68	109.50	117.23
2	1N	131	PRO	N-CA-C	5.68	120.17	110.74
2	2J	131	PRO	N-CA-C	5.68	120.17	110.74
3	2O	30	HIS	CB-CA-C	-5.68	109.50	117.23
3	24	30	HIS	CB-CA-C	-5.68	109.50	117.23
2	3B	131	PRO	N-CA-C	5.68	120.17	110.74
2	3J	131	PRO	N-CA-C	5.68	120.17	110.74
3	3O	30	HIS	CB-CA-C	-5.68	109.50	117.23
2	33	131	PRO	N-CA-C	5.68	120.17	110.74
3	38	30	HIS	CB-CA-C	-5.68	109.50	117.23
2	4F	131	PRO	N-CA-C	5.68	120.17	110.74
3	4K	30	HIS	CB-CA-C	-5.68	109.50	117.23
3	4S	30	HIS	CB-CA-C	-5.68	109.50	117.23
2	4Z	131	PRO	N-CA-C	5.68	120.17	110.74
2	5V	131	PRO	N-CA-C	5.68	120.17	110.74
3	50	30	HIS	CB-CA-C	-5.68	109.50	117.23
3	6G	30	HIS	CB-CA-C	-5.68	109.50	117.23
2	6N	131	PRO	N-CA-C	5.68	120.17	110.74
2	6V	131	PRO	N-CA-C	5.68	120.17	110.74
3	60	30	HIS	CB-CA-C	-5.68	109.50	117.23
2	7F	131	PRO	N-CA-C	5.68	120.17	110.74
3	7K	30	HIS	CB-CA-C	-5.68	109.50	117.23
2	7R	131	PRO	N-CA-C	5.68	120.17	110.74
3	7W	30	HIS	CB-CA-C	-5.68	109.50	117.23
2	1N	59	VAL	CA-CB-CG2	5.68	120.06	110.40
2	2J	59	VAL	CA-CB-CG2	5.68	120.06	110.40
2	3B	59	VAL	CA-CB-CG2	5.68	120.06	110.40
2	3J	59	VAL	CA-CB-CG2	5.68	120.06	110.40
2	33	59	VAL	CA-CB-CG2	5.68	120.06	110.40
2	4F	59	VAL	CA-CB-CG2	5.68	120.06	110.40
2	4Z	59	VAL	CA-CB-CG2	5.68	120.06	110.40
2	5V	59	VAL	CA-CB-CG2	5.68	120.06	110.40
2	6N	59	VAL	CA-CB-CG2	5.68	120.06	110.40
2	6V	59	VAL	CA-CB-CG2	5.68	120.06	110.40
2	7F	59	VAL	CA-CB-CG2	5.68	120.06	110.40
2	7R	59	VAL	CA-CB-CG2	5.68	120.06	110.40
3	1S	30	HIS	CB-CA-C	-5.68	109.51	117.23
3	1W	30	HIS	CB-CA-C	-5.68	109.51	117.23
3	10	30	HIS	CB-CA-C	-5.68	109.51	117.23
3	2S	30	HIS	CB-CA-C	-5.68	109.51	117.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2W	30	HIS	CB-CA-C	-5.68	109.51	117.23
3	20	30	HIS	CB-CA-C	-5.68	109.51	117.23
3	44	30	HIS	CB-CA-C	-5.68	109.51	117.23
3	48	30	HIS	CB-CA-C	-5.68	109.51	117.23
3	5C	30	HIS	CB-CA-C	-5.68	109.51	117.23
3	54	30	HIS	CB-CA-C	-5.68	109.51	117.23
3	58	30	HIS	CB-CA-C	-5.68	109.51	117.23
3	6C	30	HIS	CB-CA-C	-5.68	109.51	117.23
3	14	32	THR	CA-CB-OG1	5.68	118.12	109.60
3	18	32	THR	CA-CB-OG1	5.68	118.12	109.60
3	2C	32	THR	CA-CB-OG1	5.68	118.12	109.60
3	3S	32	THR	CA-CB-OG1	5.68	118.12	109.60
3	3W	32	THR	CA-CB-OG1	5.68	118.12	109.60
3	30	32	THR	CA-CB-OG1	5.68	118.12	109.60
3	5G	32	THR	CA-CB-OG1	5.68	118.12	109.60
3	5K	32	THR	CA-CB-OG1	5.68	118.12	109.60
3	5O	32	THR	CA-CB-OG1	5.68	118.12	109.60
3	64	32	THR	CA-CB-OG1	5.68	118.12	109.60
3	68	32	THR	CA-CB-OG1	5.68	118.12	109.60
3	7C	32	THR	CA-CB-OG1	5.68	118.12	109.60
2	1F	48	ILE	CA-C-N	-5.68	113.27	122.81
2	1F	48	ILE	C-N-CA	-5.68	113.27	122.81
2	13	48	ILE	CA-C-N	-5.68	113.27	122.81
2	13	48	ILE	C-N-CA	-5.68	113.27	122.81
2	17	48	ILE	CA-C-N	-5.68	113.27	122.81
2	17	48	ILE	C-N-CA	-5.68	113.27	122.81
2	2B	48	ILE	CA-C-N	-5.68	113.27	122.81
2	2B	48	ILE	C-N-CA	-5.68	113.27	122.81
2	2N	48	ILE	CA-C-N	-5.68	113.27	122.81
2	2N	48	ILE	C-N-CA	-5.68	113.27	122.81
2	23	48	ILE	CA-C-N	-5.68	113.27	122.81
2	23	48	ILE	C-N-CA	-5.68	113.27	122.81
2	3N	48	ILE	CA-C-N	-5.68	113.27	122.81
2	3N	48	ILE	C-N-CA	-5.68	113.27	122.81
2	3R	48	ILE	CA-C-N	-5.68	113.27	122.81
2	3R	48	ILE	C-N-CA	-5.68	113.27	122.81
2	3V	48	ILE	CA-C-N	-5.68	113.27	122.81
2	3V	48	ILE	C-N-CA	-5.68	113.27	122.81
2	3Z	48	ILE	CA-C-N	-5.68	113.27	122.81
2	3Z	48	ILE	C-N-CA	-5.68	113.27	122.81
2	37	48	ILE	CA-C-N	-5.68	113.27	122.81
2	37	48	ILE	C-N-CA	-5.68	113.27	122.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4J	48	ILE	CA-C-N	-5.68	113.27	122.81
2	4J	48	ILE	C-N-CA	-5.68	113.27	122.81
2	4R	48	ILE	CA-C-N	-5.68	113.27	122.81
2	4R	48	ILE	C-N-CA	-5.68	113.27	122.81
2	5F	48	ILE	CA-C-N	-5.68	113.27	122.81
2	5F	48	ILE	C-N-CA	-5.68	113.27	122.81
2	5J	48	ILE	CA-C-N	-5.68	113.27	122.81
2	5J	48	ILE	C-N-CA	-5.68	113.27	122.81
2	5N	48	ILE	CA-C-N	-5.68	113.27	122.81
2	5N	48	ILE	C-N-CA	-5.68	113.27	122.81
2	5Z	48	ILE	CA-C-N	-5.68	113.27	122.81
2	5Z	48	ILE	C-N-CA	-5.68	113.27	122.81
2	6F	48	ILE	CA-C-N	-5.68	113.27	122.81
2	6F	48	ILE	C-N-CA	-5.68	113.27	122.81
2	6Z	48	ILE	CA-C-N	-5.68	113.27	122.81
2	6Z	48	ILE	C-N-CA	-5.68	113.27	122.81
2	63	48	ILE	CA-C-N	-5.68	113.27	122.81
2	63	48	ILE	C-N-CA	-5.68	113.27	122.81
2	67	48	ILE	CA-C-N	-5.68	113.27	122.81
2	67	48	ILE	C-N-CA	-5.68	113.27	122.81
2	7B	48	ILE	CA-C-N	-5.68	113.27	122.81
2	7B	48	ILE	C-N-CA	-5.68	113.27	122.81
2	7J	48	ILE	CA-C-N	-5.68	113.27	122.81
2	7J	48	ILE	C-N-CA	-5.68	113.27	122.81
2	7V	48	ILE	CA-C-N	-5.68	113.27	122.81
2	7V	48	ILE	C-N-CA	-5.68	113.27	122.81
2	1B	78	HIS	CA-CB-CG	-5.67	108.13	113.80
2	1J	78	HIS	CA-CB-CG	-5.67	108.13	113.80
2	2F	78	HIS	CA-CB-CG	-5.67	108.13	113.80
2	27	78	HIS	CA-CB-CG	-5.67	108.13	113.80
2	3F	78	HIS	CA-CB-CG	-5.67	108.13	113.80
2	4B	78	HIS	CA-CB-CG	-5.67	108.13	113.80
2	4N	78	HIS	CA-CB-CG	-5.67	108.13	113.80
2	4V	78	HIS	CA-CB-CG	-5.67	108.13	113.80
2	5R	78	HIS	CA-CB-CG	-5.67	108.13	113.80
2	6J	78	HIS	CA-CB-CG	-5.67	108.13	113.80
2	6R	78	HIS	CA-CB-CG	-5.67	108.13	113.80
2	7N	78	HIS	CA-CB-CG	-5.67	108.13	113.80
1	1E	180	VAL	CA-C-N	-5.67	110.72	121.54
1	1E	180	VAL	C-N-CA	-5.67	110.72	121.54
2	13	209	LEU	O-C-N	-5.67	115.05	122.59
2	17	209	LEU	O-C-N	-5.67	115.05	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2B	209	LEU	O-C-N	-5.67	115.05	122.59
1	2M	180	VAL	CA-C-N	-5.67	110.72	121.54
1	2M	180	VAL	C-N-CA	-5.67	110.72	121.54
1	22	180	VAL	CA-C-N	-5.67	110.72	121.54
1	22	180	VAL	C-N-CA	-5.67	110.72	121.54
1	3M	180	VAL	CA-C-N	-5.67	110.72	121.54
1	3M	180	VAL	C-N-CA	-5.67	110.72	121.54
2	3R	209	LEU	O-C-N	-5.67	115.05	122.59
2	3V	209	LEU	O-C-N	-5.67	115.05	122.59
2	3Z	209	LEU	O-C-N	-5.67	115.05	122.59
1	36	180	VAL	CA-C-N	-5.67	110.72	121.54
1	36	180	VAL	C-N-CA	-5.67	110.72	121.54
1	4I	180	VAL	CA-C-N	-5.67	110.72	121.54
1	4I	180	VAL	C-N-CA	-5.67	110.72	121.54
1	4Q	180	VAL	CA-C-N	-5.67	110.72	121.54
1	4Q	180	VAL	C-N-CA	-5.67	110.72	121.54
2	5F	209	LEU	O-C-N	-5.67	115.05	122.59
2	5J	209	LEU	O-C-N	-5.67	115.05	122.59
2	5N	209	LEU	O-C-N	-5.67	115.05	122.59
1	5Y	180	VAL	CA-C-N	-5.67	110.72	121.54
1	5Y	180	VAL	C-N-CA	-5.67	110.72	121.54
1	6E	180	VAL	CA-C-N	-5.67	110.72	121.54
1	6E	180	VAL	C-N-CA	-5.67	110.72	121.54
1	6Y	180	VAL	CA-C-N	-5.67	110.72	121.54
1	6Y	180	VAL	C-N-CA	-5.67	110.72	121.54
2	63	209	LEU	O-C-N	-5.67	115.05	122.59
2	67	209	LEU	O-C-N	-5.67	115.05	122.59
2	7B	209	LEU	O-C-N	-5.67	115.05	122.59
1	7I	180	VAL	CA-C-N	-5.67	110.72	121.54
1	7I	180	VAL	C-N-CA	-5.67	110.72	121.54
1	7U	180	VAL	CA-C-N	-5.67	110.72	121.54
1	7U	180	VAL	C-N-CA	-5.67	110.72	121.54
3	1G	32	THR	CA-CB-OG1	5.67	118.10	109.60
2	13	131	PRO	N-CA-C	5.67	120.15	110.74
2	17	131	PRO	N-CA-C	5.67	120.15	110.74
2	2B	131	PRO	N-CA-C	5.67	120.15	110.74
3	2O	32	THR	CA-CB-OG1	5.67	118.10	109.60
3	24	32	THR	CA-CB-OG1	5.67	118.10	109.60
3	3O	32	THR	CA-CB-OG1	5.67	118.10	109.60
2	3R	131	PRO	N-CA-C	5.67	120.15	110.74
2	3V	131	PRO	N-CA-C	5.67	120.15	110.74
2	3Z	131	PRO	N-CA-C	5.67	120.15	110.74

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	38	32	THR	CA-CB-OG1	5.67	118.10	109.60
3	4K	32	THR	CA-CB-OG1	5.67	118.10	109.60
3	4S	32	THR	CA-CB-OG1	5.67	118.10	109.60
2	5F	131	PRO	N-CA-C	5.67	120.15	110.74
2	5J	131	PRO	N-CA-C	5.67	120.15	110.74
2	5N	131	PRO	N-CA-C	5.67	120.15	110.74
3	50	32	THR	CA-CB-OG1	5.67	118.10	109.60
3	6G	32	THR	CA-CB-OG1	5.67	118.10	109.60
3	60	32	THR	CA-CB-OG1	5.67	118.10	109.60
2	63	131	PRO	N-CA-C	5.67	120.15	110.74
2	67	131	PRO	N-CA-C	5.67	120.15	110.74
2	7B	131	PRO	N-CA-C	5.67	120.15	110.74
3	7K	32	THR	CA-CB-OG1	5.67	118.10	109.60
3	7W	32	THR	CA-CB-OG1	5.67	118.10	109.60
1	1A	180	VAL	CA-C-N	-5.66	110.72	121.54
1	1A	180	VAL	C-N-CA	-5.66	110.72	121.54
1	1I	180	VAL	CA-C-N	-5.66	110.72	121.54
1	1I	180	VAL	C-N-CA	-5.66	110.72	121.54
1	2E	180	VAL	CA-C-N	-5.66	110.72	121.54
1	2E	180	VAL	C-N-CA	-5.66	110.72	121.54
1	26	180	VAL	CA-C-N	-5.66	110.72	121.54
1	26	180	VAL	C-N-CA	-5.66	110.72	121.54
1	3E	180	VAL	CA-C-N	-5.66	110.72	121.54
1	3E	180	VAL	C-N-CA	-5.66	110.72	121.54
1	4A	180	VAL	CA-C-N	-5.66	110.72	121.54
1	4A	180	VAL	C-N-CA	-5.66	110.72	121.54
1	4M	180	VAL	CA-C-N	-5.66	110.72	121.54
1	4M	180	VAL	C-N-CA	-5.66	110.72	121.54
1	4U	180	VAL	CA-C-N	-5.66	110.72	121.54
1	4U	180	VAL	C-N-CA	-5.66	110.72	121.54
1	5Q	180	VAL	CA-C-N	-5.66	110.72	121.54
1	5Q	180	VAL	C-N-CA	-5.66	110.72	121.54
1	6I	180	VAL	CA-C-N	-5.66	110.72	121.54
1	6I	180	VAL	C-N-CA	-5.66	110.72	121.54
1	6Q	180	VAL	CA-C-N	-5.66	110.72	121.54
1	6Q	180	VAL	C-N-CA	-5.66	110.72	121.54
1	7M	180	VAL	CA-C-N	-5.66	110.72	121.54
1	7M	180	VAL	C-N-CA	-5.66	110.72	121.54
2	1B	59	VAL	CA-CB-CG2	5.66	120.02	110.40
1	1E	55	LEU	CA-C-N	5.66	127.80	120.44
1	1E	55	LEU	C-N-CA	5.66	127.80	120.44
2	1J	59	VAL	CA-CB-CG2	5.66	120.02	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2F	59	VAL	CA-CB-CG2	5.66	120.02	110.40
1	2M	55	LEU	CA-C-N	5.66	127.80	120.44
1	2M	55	LEU	C-N-CA	5.66	127.80	120.44
1	22	55	LEU	CA-C-N	5.66	127.80	120.44
1	22	55	LEU	C-N-CA	5.66	127.80	120.44
2	27	59	VAL	CA-CB-CG2	5.66	120.02	110.40
2	3F	59	VAL	CA-CB-CG2	5.66	120.02	110.40
1	3M	55	LEU	CA-C-N	5.66	127.80	120.44
1	3M	55	LEU	C-N-CA	5.66	127.80	120.44
1	36	55	LEU	CA-C-N	5.66	127.80	120.44
1	36	55	LEU	C-N-CA	5.66	127.80	120.44
2	4B	59	VAL	CA-CB-CG2	5.66	120.02	110.40
1	4I	55	LEU	CA-C-N	5.66	127.80	120.44
1	4I	55	LEU	C-N-CA	5.66	127.80	120.44
2	4N	59	VAL	CA-CB-CG2	5.66	120.02	110.40
1	4Q	55	LEU	CA-C-N	5.66	127.80	120.44
1	4Q	55	LEU	C-N-CA	5.66	127.80	120.44
2	4V	59	VAL	CA-CB-CG2	5.66	120.02	110.40
2	5R	59	VAL	CA-CB-CG2	5.66	120.02	110.40
1	5Y	55	LEU	CA-C-N	5.66	127.80	120.44
1	5Y	55	LEU	C-N-CA	5.66	127.80	120.44
1	6E	55	LEU	CA-C-N	5.66	127.80	120.44
1	6E	55	LEU	C-N-CA	5.66	127.80	120.44
2	6J	59	VAL	CA-CB-CG2	5.66	120.02	110.40
2	6R	59	VAL	CA-CB-CG2	5.66	120.02	110.40
1	6Y	55	LEU	CA-C-N	5.66	127.80	120.44
1	6Y	55	LEU	C-N-CA	5.66	127.80	120.44
1	7I	55	LEU	CA-C-N	5.66	127.80	120.44
1	7I	55	LEU	C-N-CA	5.66	127.80	120.44
2	7N	59	VAL	CA-CB-CG2	5.66	120.02	110.40
1	7U	55	LEU	CA-C-N	5.66	127.80	120.44
1	7U	55	LEU	C-N-CA	5.66	127.80	120.44
2	1F	209	LEU	O-C-N	-5.66	115.06	122.59
1	1Q	180	VAL	CA-C-N	-5.66	110.73	121.54
1	1Q	180	VAL	C-N-CA	-5.66	110.73	121.54
1	1U	180	VAL	CA-C-N	-5.66	110.73	121.54
1	1U	180	VAL	C-N-CA	-5.66	110.73	121.54
1	1Y	180	VAL	CA-C-N	-5.66	110.73	121.54
1	1Y	180	VAL	C-N-CA	-5.66	110.73	121.54
2	2N	209	LEU	O-C-N	-5.66	115.06	122.59
1	2Q	180	VAL	CA-C-N	-5.66	110.73	121.54
1	2Q	180	VAL	C-N-CA	-5.66	110.73	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	180	VAL	CA-C-N	-5.66	110.73	121.54
1	2U	180	VAL	C-N-CA	-5.66	110.73	121.54
1	2Y	180	VAL	CA-C-N	-5.66	110.73	121.54
1	2Y	180	VAL	C-N-CA	-5.66	110.73	121.54
2	23	209	LEU	O-C-N	-5.66	115.06	122.59
2	3N	209	LEU	O-C-N	-5.66	115.06	122.59
2	37	209	LEU	O-C-N	-5.66	115.06	122.59
2	4J	209	LEU	O-C-N	-5.66	115.06	122.59
2	4R	209	LEU	O-C-N	-5.66	115.06	122.59
1	42	180	VAL	CA-C-N	-5.66	110.73	121.54
1	42	180	VAL	C-N-CA	-5.66	110.73	121.54
1	46	180	VAL	CA-C-N	-5.66	110.73	121.54
1	46	180	VAL	C-N-CA	-5.66	110.73	121.54
1	5A	180	VAL	CA-C-N	-5.66	110.73	121.54
1	5A	180	VAL	C-N-CA	-5.66	110.73	121.54
2	5Z	209	LEU	O-C-N	-5.66	115.06	122.59
1	52	180	VAL	CA-C-N	-5.66	110.73	121.54
1	52	180	VAL	C-N-CA	-5.66	110.73	121.54
1	56	180	VAL	CA-C-N	-5.66	110.73	121.54
1	56	180	VAL	C-N-CA	-5.66	110.73	121.54
1	6A	180	VAL	CA-C-N	-5.66	110.73	121.54
1	6A	180	VAL	C-N-CA	-5.66	110.73	121.54
2	6F	209	LEU	O-C-N	-5.66	115.06	122.59
2	6Z	209	LEU	O-C-N	-5.66	115.06	122.59
2	7J	209	LEU	O-C-N	-5.66	115.06	122.59
2	7V	209	LEU	O-C-N	-5.66	115.06	122.59
2	1F	78	HIS	CA-CB-CG	-5.66	108.14	113.80
2	2N	78	HIS	CA-CB-CG	-5.66	108.14	113.80
2	23	78	HIS	CA-CB-CG	-5.66	108.14	113.80
2	3N	78	HIS	CA-CB-CG	-5.66	108.14	113.80
2	37	78	HIS	CA-CB-CG	-5.66	108.14	113.80
2	4J	78	HIS	CA-CB-CG	-5.66	108.14	113.80
2	4R	78	HIS	CA-CB-CG	-5.66	108.14	113.80
2	5Z	78	HIS	CA-CB-CG	-5.66	108.14	113.80
2	6F	78	HIS	CA-CB-CG	-5.66	108.14	113.80
2	6Z	78	HIS	CA-CB-CG	-5.66	108.14	113.80
2	7J	78	HIS	CA-CB-CG	-5.66	108.14	113.80
2	7V	78	HIS	CA-CB-CG	-5.66	108.14	113.80
2	13	59	VAL	CA-CB-CG2	5.66	120.01	110.40
2	17	59	VAL	CA-CB-CG2	5.66	120.01	110.40
2	2B	59	VAL	CA-CB-CG2	5.66	120.01	110.40
2	3R	59	VAL	CA-CB-CG2	5.66	120.01	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	59	VAL	CA-CB-CG2	5.66	120.01	110.40
2	3Z	59	VAL	CA-CB-CG2	5.66	120.01	110.40
2	5F	59	VAL	CA-CB-CG2	5.66	120.01	110.40
2	5J	59	VAL	CA-CB-CG2	5.66	120.01	110.40
2	5N	59	VAL	CA-CB-CG2	5.66	120.01	110.40
2	63	59	VAL	CA-CB-CG2	5.66	120.01	110.40
2	67	59	VAL	CA-CB-CG2	5.66	120.01	110.40
2	7B	59	VAL	CA-CB-CG2	5.66	120.01	110.40
2	1R	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	1V	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	1Z	59	VAL	CA-CB-CG2	5.65	120.01	110.40
4	15	55	GLY	N-CA-C	-5.65	99.78	113.18
4	19	55	GLY	N-CA-C	-5.65	99.78	113.18
4	2D	55	GLY	N-CA-C	-5.65	99.78	113.18
2	2R	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	2V	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	2Z	59	VAL	CA-CB-CG2	5.65	120.01	110.40
4	3T	55	GLY	N-CA-C	-5.65	99.78	113.18
4	3X	55	GLY	N-CA-C	-5.65	99.78	113.18
4	31	55	GLY	N-CA-C	-5.65	99.78	113.18
2	43	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	47	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	5B	59	VAL	CA-CB-CG2	5.65	120.01	110.40
4	5H	55	GLY	N-CA-C	-5.65	99.78	113.18
4	5L	55	GLY	N-CA-C	-5.65	99.78	113.18
4	5P	55	GLY	N-CA-C	-5.65	99.78	113.18
2	53	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	57	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	6B	59	VAL	CA-CB-CG2	5.65	120.01	110.40
4	65	55	GLY	N-CA-C	-5.65	99.78	113.18
4	69	55	GLY	N-CA-C	-5.65	99.78	113.18
4	7D	55	GLY	N-CA-C	-5.65	99.78	113.18
3	1C	32	THR	CA-CB-OG1	5.65	118.08	109.60
3	1K	32	THR	CA-CB-OG1	5.65	118.08	109.60
3	2G	32	THR	CA-CB-OG1	5.65	118.08	109.60
3	28	32	THR	CA-CB-OG1	5.65	118.08	109.60
3	3G	32	THR	CA-CB-OG1	5.65	118.08	109.60
3	4C	32	THR	CA-CB-OG1	5.65	118.08	109.60
3	4O	32	THR	CA-CB-OG1	5.65	118.08	109.60
3	4W	32	THR	CA-CB-OG1	5.65	118.08	109.60
3	5S	32	THR	CA-CB-OG1	5.65	118.08	109.60
3	6K	32	THR	CA-CB-OG1	5.65	118.08	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6S	32	THR	CA-CB-OG1	5.65	118.08	109.60
3	7O	32	THR	CA-CB-OG1	5.65	118.08	109.60
2	1F	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	2N	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	23	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	3N	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	37	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	4J	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	4R	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	5Z	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	6F	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	6Z	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	7J	59	VAL	CA-CB-CG2	5.65	120.01	110.40
2	7V	59	VAL	CA-CB-CG2	5.65	120.01	110.40
1	1Q	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	1U	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	1Y	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	2Q	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	2U	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	2Y	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	42	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	46	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	5A	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	52	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	56	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	6A	65	PHE	CB-CA-C	-5.65	98.20	109.33
4	1H	55	GLY	N-CA-C	-5.65	99.79	113.18
1	1M	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	2I	65	PHE	CB-CA-C	-5.65	98.20	109.33
4	2P	55	GLY	N-CA-C	-5.65	99.79	113.18
4	25	55	GLY	N-CA-C	-5.65	99.79	113.18
1	3A	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	3I	65	PHE	CB-CA-C	-5.65	98.20	109.33
4	3P	55	GLY	N-CA-C	-5.65	99.79	113.18
1	32	65	PHE	CB-CA-C	-5.65	98.20	109.33
4	39	55	GLY	N-CA-C	-5.65	99.79	113.18
1	4E	65	PHE	CB-CA-C	-5.65	98.20	109.33
4	4L	55	GLY	N-CA-C	-5.65	99.79	113.18
4	4T	55	GLY	N-CA-C	-5.65	99.79	113.18
1	4Y	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	5U	65	PHE	CB-CA-C	-5.65	98.20	109.33
4	51	55	GLY	N-CA-C	-5.65	99.79	113.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	6H	55	GLY	N-CA-C	-5.65	99.79	113.18
1	6M	65	PHE	CB-CA-C	-5.65	98.20	109.33
1	6U	65	PHE	CB-CA-C	-5.65	98.20	109.33
4	61	55	GLY	N-CA-C	-5.65	99.79	113.18
1	7E	65	PHE	CB-CA-C	-5.65	98.20	109.33
4	7L	55	GLY	N-CA-C	-5.65	99.79	113.18
1	7Q	65	PHE	CB-CA-C	-5.65	98.20	109.33
4	7X	55	GLY	N-CA-C	-5.65	99.79	113.18
1	1A	65	PHE	CB-CA-C	-5.65	98.21	109.33
1	1I	65	PHE	CB-CA-C	-5.65	98.21	109.33
3	1O	32	THR	CA-CB-OG1	5.65	118.07	109.60
2	13	53	LYS	CA-CB-CG	-5.65	102.81	114.10
2	17	53	LYS	CA-CB-CG	-5.65	102.81	114.10
2	2B	53	LYS	CA-CB-CG	-5.65	102.81	114.10
1	2E	65	PHE	CB-CA-C	-5.65	98.21	109.33
3	2K	32	THR	CA-CB-OG1	5.65	118.07	109.60
1	26	65	PHE	CB-CA-C	-5.65	98.21	109.33
3	3C	32	THR	CA-CB-OG1	5.65	118.07	109.60
1	3E	65	PHE	CB-CA-C	-5.65	98.21	109.33
3	3K	32	THR	CA-CB-OG1	5.65	118.07	109.60
2	3R	53	LYS	CA-CB-CG	-5.65	102.81	114.10
2	3V	53	LYS	CA-CB-CG	-5.65	102.81	114.10
2	3Z	53	LYS	CA-CB-CG	-5.65	102.81	114.10
3	34	32	THR	CA-CB-OG1	5.65	118.07	109.60
1	4A	65	PHE	CB-CA-C	-5.65	98.21	109.33
3	4G	32	THR	CA-CB-OG1	5.65	118.07	109.60
1	4M	65	PHE	CB-CA-C	-5.65	98.21	109.33
1	4U	65	PHE	CB-CA-C	-5.65	98.21	109.33
3	40	32	THR	CA-CB-OG1	5.65	118.07	109.60
2	5F	53	LYS	CA-CB-CG	-5.65	102.81	114.10
2	5J	53	LYS	CA-CB-CG	-5.65	102.81	114.10
2	5N	53	LYS	CA-CB-CG	-5.65	102.81	114.10
1	5Q	65	PHE	CB-CA-C	-5.65	98.21	109.33
3	5W	32	THR	CA-CB-OG1	5.65	118.07	109.60
1	6I	65	PHE	CB-CA-C	-5.65	98.21	109.33
3	6O	32	THR	CA-CB-OG1	5.65	118.07	109.60
1	6Q	65	PHE	CB-CA-C	-5.65	98.21	109.33
3	6W	32	THR	CA-CB-OG1	5.65	118.07	109.60
2	63	53	LYS	CA-CB-CG	-5.65	102.81	114.10
2	67	53	LYS	CA-CB-CG	-5.65	102.81	114.10
2	7B	53	LYS	CA-CB-CG	-5.65	102.81	114.10
3	7G	32	THR	CA-CB-OG1	5.65	118.07	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	65	PHE	CB-CA-C	-5.65	98.21	109.33
3	7S	32	THR	CA-CB-OG1	5.65	118.07	109.60
2	1F	53	LYS	CA-CB-CG	-5.64	102.82	114.10
3	1S	32	THR	CA-CB-OG1	5.64	118.06	109.60
3	1W	32	THR	CA-CB-OG1	5.64	118.06	109.60
3	10	32	THR	CA-CB-OG1	5.64	118.06	109.60
2	2N	53	LYS	CA-CB-CG	-5.64	102.82	114.10
3	2S	32	THR	CA-CB-OG1	5.64	118.06	109.60
3	2W	32	THR	CA-CB-OG1	5.64	118.06	109.60
3	20	32	THR	CA-CB-OG1	5.64	118.06	109.60
2	23	53	LYS	CA-CB-CG	-5.64	102.82	114.10
2	3N	53	LYS	CA-CB-CG	-5.64	102.82	114.10
2	37	53	LYS	CA-CB-CG	-5.64	102.82	114.10
2	4J	53	LYS	CA-CB-CG	-5.64	102.82	114.10
2	4R	53	LYS	CA-CB-CG	-5.64	102.82	114.10
3	44	32	THR	CA-CB-OG1	5.64	118.06	109.60
3	48	32	THR	CA-CB-OG1	5.64	118.06	109.60
3	5C	32	THR	CA-CB-OG1	5.64	118.06	109.60
2	5Z	53	LYS	CA-CB-CG	-5.64	102.82	114.10
3	54	32	THR	CA-CB-OG1	5.64	118.06	109.60
3	58	32	THR	CA-CB-OG1	5.64	118.06	109.60
3	6C	32	THR	CA-CB-OG1	5.64	118.06	109.60
2	6F	53	LYS	CA-CB-CG	-5.64	102.82	114.10
2	6Z	53	LYS	CA-CB-CG	-5.64	102.82	114.10
2	7J	53	LYS	CA-CB-CG	-5.64	102.82	114.10
2	7V	53	LYS	CA-CB-CG	-5.64	102.82	114.10
1	1M	180	VAL	CA-C-N	-5.64	110.77	121.54
1	1M	180	VAL	C-N-CA	-5.64	110.77	121.54
1	2I	180	VAL	CA-C-N	-5.64	110.77	121.54
1	2I	180	VAL	C-N-CA	-5.64	110.77	121.54
1	3A	180	VAL	CA-C-N	-5.64	110.77	121.54
1	3A	180	VAL	C-N-CA	-5.64	110.77	121.54
1	3I	180	VAL	CA-C-N	-5.64	110.77	121.54
1	3I	180	VAL	C-N-CA	-5.64	110.77	121.54
1	32	180	VAL	CA-C-N	-5.64	110.77	121.54
1	32	180	VAL	C-N-CA	-5.64	110.77	121.54
1	4E	180	VAL	CA-C-N	-5.64	110.77	121.54
1	4E	180	VAL	C-N-CA	-5.64	110.77	121.54
1	4Y	180	VAL	CA-C-N	-5.64	110.77	121.54
1	4Y	180	VAL	C-N-CA	-5.64	110.77	121.54
1	5U	180	VAL	CA-C-N	-5.64	110.77	121.54
1	5U	180	VAL	C-N-CA	-5.64	110.77	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6M	180	VAL	CA-C-N	-5.64	110.77	121.54
1	6M	180	VAL	C-N-CA	-5.64	110.77	121.54
1	6U	180	VAL	CA-C-N	-5.64	110.77	121.54
1	6U	180	VAL	C-N-CA	-5.64	110.77	121.54
1	7E	180	VAL	CA-C-N	-5.64	110.77	121.54
1	7E	180	VAL	C-N-CA	-5.64	110.77	121.54
1	7Q	180	VAL	CA-C-N	-5.64	110.77	121.54
1	7Q	180	VAL	C-N-CA	-5.64	110.77	121.54
1	1E	65	PHE	CB-CA-C	-5.64	98.22	109.33
4	1T	55	GLY	N-CA-C	-5.64	99.82	113.18
4	1X	55	GLY	N-CA-C	-5.64	99.82	113.18
4	11	55	GLY	N-CA-C	-5.64	99.82	113.18
1	12	180	VAL	CA-C-N	-5.64	110.78	121.54
1	12	180	VAL	C-N-CA	-5.64	110.78	121.54
1	16	180	VAL	CA-C-N	-5.64	110.78	121.54
1	16	180	VAL	C-N-CA	-5.64	110.78	121.54
1	2A	180	VAL	CA-C-N	-5.64	110.78	121.54
1	2A	180	VAL	C-N-CA	-5.64	110.78	121.54
1	2M	65	PHE	CB-CA-C	-5.64	98.22	109.33
4	2T	55	GLY	N-CA-C	-5.64	99.82	113.18
4	2X	55	GLY	N-CA-C	-5.64	99.82	113.18
4	21	55	GLY	N-CA-C	-5.64	99.82	113.18
1	22	65	PHE	CB-CA-C	-5.64	98.22	109.33
1	3M	65	PHE	CB-CA-C	-5.64	98.22	109.33
1	3Q	180	VAL	CA-C-N	-5.64	110.78	121.54
1	3Q	180	VAL	C-N-CA	-5.64	110.78	121.54
1	3U	180	VAL	CA-C-N	-5.64	110.78	121.54
1	3U	180	VAL	C-N-CA	-5.64	110.78	121.54
1	3Y	180	VAL	CA-C-N	-5.64	110.78	121.54
1	3Y	180	VAL	C-N-CA	-5.64	110.78	121.54
1	36	65	PHE	CB-CA-C	-5.64	98.22	109.33
1	4I	65	PHE	CB-CA-C	-5.64	98.22	109.33
1	4Q	65	PHE	CB-CA-C	-5.64	98.22	109.33
4	45	55	GLY	N-CA-C	-5.64	99.82	113.18
4	49	55	GLY	N-CA-C	-5.64	99.82	113.18
4	5D	55	GLY	N-CA-C	-5.64	99.82	113.18
1	5E	180	VAL	CA-C-N	-5.64	110.78	121.54
1	5E	180	VAL	C-N-CA	-5.64	110.78	121.54
1	5I	180	VAL	CA-C-N	-5.64	110.78	121.54
1	5I	180	VAL	C-N-CA	-5.64	110.78	121.54
1	5M	180	VAL	CA-C-N	-5.64	110.78	121.54
1	5M	180	VAL	C-N-CA	-5.64	110.78	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	65	PHE	CB-CA-C	-5.64	98.22	109.33
4	55	55	GLY	N-CA-C	-5.64	99.82	113.18
4	59	55	GLY	N-CA-C	-5.64	99.82	113.18
4	6D	55	GLY	N-CA-C	-5.64	99.82	113.18
1	6E	65	PHE	CB-CA-C	-5.64	98.22	109.33
1	6Y	65	PHE	CB-CA-C	-5.64	98.22	109.33
1	62	180	VAL	CA-C-N	-5.64	110.78	121.54
1	62	180	VAL	C-N-CA	-5.64	110.78	121.54
1	66	180	VAL	CA-C-N	-5.64	110.78	121.54
1	66	180	VAL	C-N-CA	-5.64	110.78	121.54
1	7A	180	VAL	CA-C-N	-5.64	110.78	121.54
1	7A	180	VAL	C-N-CA	-5.64	110.78	121.54
1	7I	65	PHE	CB-CA-C	-5.64	98.22	109.33
1	7U	65	PHE	CB-CA-C	-5.64	98.22	109.33
2	1B	209	LEU	O-C-N	-5.63	115.09	122.59
2	1J	209	LEU	O-C-N	-5.63	115.09	122.59
2	1N	209	LEU	O-C-N	-5.63	115.10	122.59
2	2F	209	LEU	O-C-N	-5.63	115.09	122.59
2	2J	209	LEU	O-C-N	-5.63	115.10	122.59
2	27	209	LEU	O-C-N	-5.63	115.09	122.59
2	3B	209	LEU	O-C-N	-5.63	115.10	122.59
2	3F	209	LEU	O-C-N	-5.63	115.09	122.59
2	3J	209	LEU	O-C-N	-5.63	115.10	122.59
2	33	209	LEU	O-C-N	-5.63	115.10	122.59
2	4B	209	LEU	O-C-N	-5.63	115.09	122.59
2	4F	209	LEU	O-C-N	-5.63	115.10	122.59
2	4N	209	LEU	O-C-N	-5.63	115.09	122.59
2	4V	209	LEU	O-C-N	-5.63	115.09	122.59
2	4Z	209	LEU	O-C-N	-5.63	115.10	122.59
2	5R	209	LEU	O-C-N	-5.63	115.09	122.59
2	5V	209	LEU	O-C-N	-5.63	115.10	122.59
2	6J	209	LEU	O-C-N	-5.63	115.09	122.59
2	6N	209	LEU	O-C-N	-5.63	115.10	122.59
2	6R	209	LEU	O-C-N	-5.63	115.09	122.59
2	6V	209	LEU	O-C-N	-5.63	115.10	122.59
2	7F	209	LEU	O-C-N	-5.63	115.10	122.59
2	7N	209	LEU	O-C-N	-5.63	115.09	122.59
2	7R	209	LEU	O-C-N	-5.63	115.10	122.59
4	1D	55	GLY	N-CA-C	-5.63	99.83	113.18
4	1L	55	GLY	N-CA-C	-5.63	99.83	113.18
4	1P	55	GLY	N-CA-C	-5.63	99.83	113.18
4	2H	55	GLY	N-CA-C	-5.63	99.83	113.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	2L	55	GLY	N-CA-C	-5.63	99.83	113.18
4	29	55	GLY	N-CA-C	-5.63	99.83	113.18
4	3D	55	GLY	N-CA-C	-5.63	99.83	113.18
4	3H	55	GLY	N-CA-C	-5.63	99.83	113.18
4	3L	55	GLY	N-CA-C	-5.63	99.83	113.18
4	35	55	GLY	N-CA-C	-5.63	99.83	113.18
4	4D	55	GLY	N-CA-C	-5.63	99.83	113.18
4	4H	55	GLY	N-CA-C	-5.63	99.83	113.18
4	4P	55	GLY	N-CA-C	-5.63	99.83	113.18
4	4X	55	GLY	N-CA-C	-5.63	99.83	113.18
4	41	55	GLY	N-CA-C	-5.63	99.83	113.18
4	5T	55	GLY	N-CA-C	-5.63	99.83	113.18
4	5X	55	GLY	N-CA-C	-5.63	99.83	113.18
4	6L	55	GLY	N-CA-C	-5.63	99.83	113.18
4	6P	55	GLY	N-CA-C	-5.63	99.83	113.18
4	6T	55	GLY	N-CA-C	-5.63	99.83	113.18
4	6X	55	GLY	N-CA-C	-5.63	99.83	113.18
4	7H	55	GLY	N-CA-C	-5.63	99.83	113.18
4	7P	55	GLY	N-CA-C	-5.63	99.83	113.18
4	7T	55	GLY	N-CA-C	-5.63	99.83	113.18
2	1R	76	ILE	CB-CG1-CD1	-5.63	101.99	113.80
2	1V	76	ILE	CB-CG1-CD1	-5.63	101.99	113.80
2	1Z	76	ILE	CB-CG1-CD1	-5.63	101.99	113.80
1	12	65	PHE	CB-CA-C	-5.63	98.25	109.33
1	16	65	PHE	CB-CA-C	-5.63	98.25	109.33
1	2A	65	PHE	CB-CA-C	-5.63	98.25	109.33
2	2R	76	ILE	CB-CG1-CD1	-5.63	101.99	113.80
2	2V	76	ILE	CB-CG1-CD1	-5.63	101.99	113.80
2	2Z	76	ILE	CB-CG1-CD1	-5.63	101.99	113.80
1	3Q	65	PHE	CB-CA-C	-5.63	98.25	109.33
1	3U	65	PHE	CB-CA-C	-5.63	98.25	109.33
1	3Y	65	PHE	CB-CA-C	-5.63	98.25	109.33
2	43	76	ILE	CB-CG1-CD1	-5.63	101.99	113.80
2	47	76	ILE	CB-CG1-CD1	-5.63	101.99	113.80
2	5B	76	ILE	CB-CG1-CD1	-5.63	101.99	113.80
1	5E	65	PHE	CB-CA-C	-5.63	98.25	109.33
1	5I	65	PHE	CB-CA-C	-5.63	98.25	109.33
1	5M	65	PHE	CB-CA-C	-5.63	98.25	109.33
2	53	76	ILE	CB-CG1-CD1	-5.63	101.99	113.80
2	57	76	ILE	CB-CG1-CD1	-5.63	101.99	113.80
2	6B	76	ILE	CB-CG1-CD1	-5.63	101.99	113.80
1	62	65	PHE	CB-CA-C	-5.63	98.25	109.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	65	PHE	CB-CA-C	-5.63	98.25	109.33
1	7A	65	PHE	CB-CA-C	-5.63	98.25	109.33
1	1A	89	PHE	CB-CA-C	-5.62	99.41	110.10
1	1I	89	PHE	CB-CA-C	-5.62	99.41	110.10
1	2E	89	PHE	CB-CA-C	-5.62	99.41	110.10
1	26	89	PHE	CB-CA-C	-5.62	99.41	110.10
1	3E	89	PHE	CB-CA-C	-5.62	99.41	110.10
1	4A	89	PHE	CB-CA-C	-5.62	99.41	110.10
1	4M	89	PHE	CB-CA-C	-5.62	99.41	110.10
1	4U	89	PHE	CB-CA-C	-5.62	99.41	110.10
1	5Q	89	PHE	CB-CA-C	-5.62	99.41	110.10
1	6I	89	PHE	CB-CA-C	-5.62	99.41	110.10
1	6Q	89	PHE	CB-CA-C	-5.62	99.41	110.10
1	7M	89	PHE	CB-CA-C	-5.62	99.41	110.10
2	1B	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
2	1J	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
1	1M	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	1Q	16	THR	N-CA-CB	-5.62	102.42	110.57
1	1U	16	THR	N-CA-CB	-5.62	102.42	110.57
1	1Y	16	THR	N-CA-CB	-5.62	102.42	110.57
1	12	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	16	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	2A	89	PHE	CB-CA-C	-5.62	99.42	110.10
2	2F	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
1	2I	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	2Q	16	THR	N-CA-CB	-5.62	102.42	110.57
1	2U	16	THR	N-CA-CB	-5.62	102.42	110.57
1	2Y	16	THR	N-CA-CB	-5.62	102.42	110.57
2	27	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
1	3A	89	PHE	CB-CA-C	-5.62	99.42	110.10
2	3F	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
1	3I	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	3Q	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	3U	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	3Y	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	32	89	PHE	CB-CA-C	-5.62	99.42	110.10
2	4B	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
1	4E	89	PHE	CB-CA-C	-5.62	99.42	110.10
2	4N	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
2	4V	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
1	4Y	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	42	16	THR	N-CA-CB	-5.62	102.42	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	46	16	THR	N-CA-CB	-5.62	102.42	110.57
1	5A	16	THR	N-CA-CB	-5.62	102.42	110.57
1	5E	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	5I	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	5M	89	PHE	CB-CA-C	-5.62	99.42	110.10
2	5R	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
1	5U	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	52	16	THR	N-CA-CB	-5.62	102.42	110.57
1	56	16	THR	N-CA-CB	-5.62	102.42	110.57
1	6A	16	THR	N-CA-CB	-5.62	102.42	110.57
2	6J	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
1	6M	89	PHE	CB-CA-C	-5.62	99.42	110.10
2	6R	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
1	6U	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	62	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	66	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	7A	89	PHE	CB-CA-C	-5.62	99.42	110.10
1	7E	89	PHE	CB-CA-C	-5.62	99.42	110.10
2	7N	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
1	7Q	89	PHE	CB-CA-C	-5.62	99.42	110.10
2	1B	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	1J	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	2F	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	27	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	3F	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	4B	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	4N	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	4V	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	5R	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	6J	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	6R	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	7N	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	1F	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
2	1N	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	2J	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	2N	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
2	23	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
2	3B	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	3J	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	3N	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
2	33	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	37	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4F	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	4J	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
2	4R	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
2	4Z	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	5V	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	5Z	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
2	6F	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
2	6N	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	6V	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	6Z	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
2	7F	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	7J	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
2	7R	53	LYS	CA-CB-CG	-5.62	102.86	114.10
2	7V	76	ILE	CB-CG1-CD1	-5.62	102.00	113.80
1	1E	24	VAL	CA-C-N	5.62	132.27	121.54
1	1E	24	VAL	C-N-CA	5.62	132.27	121.54
1	2M	24	VAL	CA-C-N	5.62	132.27	121.54
1	2M	24	VAL	C-N-CA	5.62	132.27	121.54
1	22	24	VAL	CA-C-N	5.62	132.27	121.54
1	22	24	VAL	C-N-CA	5.62	132.27	121.54
1	3M	24	VAL	CA-C-N	5.62	132.27	121.54
1	3M	24	VAL	C-N-CA	5.62	132.27	121.54
1	36	24	VAL	CA-C-N	5.62	132.27	121.54
1	36	24	VAL	C-N-CA	5.62	132.27	121.54
1	4I	24	VAL	CA-C-N	5.62	132.27	121.54
1	4I	24	VAL	C-N-CA	5.62	132.27	121.54
1	4Q	24	VAL	CA-C-N	5.62	132.27	121.54
1	4Q	24	VAL	C-N-CA	5.62	132.27	121.54
1	5Y	24	VAL	CA-C-N	5.62	132.27	121.54
1	5Y	24	VAL	C-N-CA	5.62	132.27	121.54
1	6E	24	VAL	CA-C-N	5.62	132.27	121.54
1	6E	24	VAL	C-N-CA	5.62	132.27	121.54
1	6Y	24	VAL	CA-C-N	5.62	132.27	121.54
1	6Y	24	VAL	C-N-CA	5.62	132.27	121.54
1	7I	24	VAL	CA-C-N	5.62	132.27	121.54
1	7I	24	VAL	C-N-CA	5.62	132.27	121.54
1	7U	24	VAL	CA-C-N	5.62	132.27	121.54
1	7U	24	VAL	C-N-CA	5.62	132.27	121.54
1	1A	16	THR	N-CA-CB	-5.62	102.43	110.57
1	1I	16	THR	N-CA-CB	-5.62	102.43	110.57
1	12	24	VAL	CA-C-N	5.62	132.27	121.54
1	12	24	VAL	C-N-CA	5.62	132.27	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16	24	VAL	CA-C-N	5.62	132.27	121.54
1	16	24	VAL	C-N-CA	5.62	132.27	121.54
1	2A	24	VAL	CA-C-N	5.62	132.27	121.54
1	2A	24	VAL	C-N-CA	5.62	132.27	121.54
1	2E	16	THR	N-CA-CB	-5.62	102.43	110.57
1	26	16	THR	N-CA-CB	-5.62	102.43	110.57
1	3E	16	THR	N-CA-CB	-5.62	102.43	110.57
1	3Q	24	VAL	CA-C-N	5.62	132.27	121.54
1	3Q	24	VAL	C-N-CA	5.62	132.27	121.54
1	3U	24	VAL	CA-C-N	5.62	132.27	121.54
1	3U	24	VAL	C-N-CA	5.62	132.27	121.54
1	3Y	24	VAL	CA-C-N	5.62	132.27	121.54
1	3Y	24	VAL	C-N-CA	5.62	132.27	121.54
1	4A	16	THR	N-CA-CB	-5.62	102.43	110.57
1	4M	16	THR	N-CA-CB	-5.62	102.43	110.57
1	4U	16	THR	N-CA-CB	-5.62	102.43	110.57
1	5E	24	VAL	CA-C-N	5.62	132.27	121.54
1	5E	24	VAL	C-N-CA	5.62	132.27	121.54
1	5I	24	VAL	CA-C-N	5.62	132.27	121.54
1	5I	24	VAL	C-N-CA	5.62	132.27	121.54
1	5M	24	VAL	CA-C-N	5.62	132.27	121.54
1	5M	24	VAL	C-N-CA	5.62	132.27	121.54
1	5Q	16	THR	N-CA-CB	-5.62	102.43	110.57
1	6I	16	THR	N-CA-CB	-5.62	102.43	110.57
1	6Q	16	THR	N-CA-CB	-5.62	102.43	110.57
1	62	24	VAL	CA-C-N	5.62	132.27	121.54
1	62	24	VAL	C-N-CA	5.62	132.27	121.54
1	66	24	VAL	CA-C-N	5.62	132.27	121.54
1	66	24	VAL	C-N-CA	5.62	132.27	121.54
1	7A	24	VAL	CA-C-N	5.62	132.27	121.54
1	7A	24	VAL	C-N-CA	5.62	132.27	121.54
1	7M	16	THR	N-CA-CB	-5.62	102.43	110.57
2	1R	209	LEU	O-C-N	-5.61	115.12	122.59
2	1V	209	LEU	O-C-N	-5.61	115.12	122.59
2	1Z	209	LEU	O-C-N	-5.61	115.12	122.59
1	12	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	12	16	THR	N-CA-CB	-5.61	102.43	110.57
1	16	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	16	16	THR	N-CA-CB	-5.61	102.43	110.57
1	2A	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	2A	16	THR	N-CA-CB	-5.61	102.43	110.57
2	2R	209	LEU	O-C-N	-5.61	115.12	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	209	LEU	O-C-N	-5.61	115.12	122.59
2	2Z	209	LEU	O-C-N	-5.61	115.12	122.59
1	3Q	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	3Q	16	THR	N-CA-CB	-5.61	102.43	110.57
1	3U	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	3U	16	THR	N-CA-CB	-5.61	102.43	110.57
1	3Y	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	3Y	16	THR	N-CA-CB	-5.61	102.43	110.57
2	43	209	LEU	O-C-N	-5.61	115.12	122.59
2	47	209	LEU	O-C-N	-5.61	115.12	122.59
2	5B	209	LEU	O-C-N	-5.61	115.12	122.59
1	5E	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	5E	16	THR	N-CA-CB	-5.61	102.43	110.57
1	5I	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	5I	16	THR	N-CA-CB	-5.61	102.43	110.57
1	5M	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	5M	16	THR	N-CA-CB	-5.61	102.43	110.57
2	53	209	LEU	O-C-N	-5.61	115.12	122.59
2	57	209	LEU	O-C-N	-5.61	115.12	122.59
2	6B	209	LEU	O-C-N	-5.61	115.12	122.59
1	62	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	62	16	THR	N-CA-CB	-5.61	102.43	110.57
1	66	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	66	16	THR	N-CA-CB	-5.61	102.43	110.57
1	7A	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	7A	16	THR	N-CA-CB	-5.61	102.43	110.57
1	1M	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	1Q	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	1U	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	1Y	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	2I	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	2Q	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	2U	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	2Y	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	3A	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	3I	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	32	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	4E	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	4Y	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	42	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	46	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	5A	8	LEU	CB-CA-C	-5.61	100.91	109.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5U	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	52	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	56	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	6A	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	6M	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	6U	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	7E	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	7Q	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	1A	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	1E	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	1I	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	1Q	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	1U	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	1Y	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	2E	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	2M	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	2Q	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	2U	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	2Y	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	22	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	26	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	3E	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	3M	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	36	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	4A	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	4I	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	4M	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	4Q	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	4U	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	42	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	46	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	5A	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	5Q	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	5Y	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	52	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	56	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	6A	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	6E	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	6I	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	6Q	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	6Y	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	7I	89	PHE	CB-CA-C	-5.61	99.44	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	8	LEU	CB-CA-C	-5.61	100.91	109.89
1	7U	89	PHE	CB-CA-C	-5.61	99.44	110.10
1	1A	24	VAL	CA-C-N	5.61	132.25	121.54
1	1A	24	VAL	C-N-CA	5.61	132.25	121.54
1	1I	24	VAL	CA-C-N	5.61	132.25	121.54
1	1I	24	VAL	C-N-CA	5.61	132.25	121.54
1	1M	26	ALA	CB-CA-C	-5.61	100.88	110.24
1	2E	24	VAL	CA-C-N	5.61	132.25	121.54
1	2E	24	VAL	C-N-CA	5.61	132.25	121.54
1	2I	26	ALA	CB-CA-C	-5.61	100.88	110.24
1	26	24	VAL	CA-C-N	5.61	132.25	121.54
1	26	24	VAL	C-N-CA	5.61	132.25	121.54
1	3A	26	ALA	CB-CA-C	-5.61	100.88	110.24
1	3E	24	VAL	CA-C-N	5.61	132.25	121.54
1	3E	24	VAL	C-N-CA	5.61	132.25	121.54
1	3I	26	ALA	CB-CA-C	-5.61	100.88	110.24
1	32	26	ALA	CB-CA-C	-5.61	100.88	110.24
1	4A	24	VAL	CA-C-N	5.61	132.25	121.54
1	4A	24	VAL	C-N-CA	5.61	132.25	121.54
1	4E	26	ALA	CB-CA-C	-5.61	100.88	110.24
1	4M	24	VAL	CA-C-N	5.61	132.25	121.54
1	4M	24	VAL	C-N-CA	5.61	132.25	121.54
1	4U	24	VAL	CA-C-N	5.61	132.25	121.54
1	4U	24	VAL	C-N-CA	5.61	132.25	121.54
1	4Y	26	ALA	CB-CA-C	-5.61	100.88	110.24
1	5Q	24	VAL	CA-C-N	5.61	132.25	121.54
1	5Q	24	VAL	C-N-CA	5.61	132.25	121.54
1	5U	26	ALA	CB-CA-C	-5.61	100.88	110.24
1	6I	24	VAL	CA-C-N	5.61	132.25	121.54
1	6I	24	VAL	C-N-CA	5.61	132.25	121.54
1	6M	26	ALA	CB-CA-C	-5.61	100.88	110.24
1	6Q	24	VAL	CA-C-N	5.61	132.25	121.54
1	6Q	24	VAL	C-N-CA	5.61	132.25	121.54
1	6U	26	ALA	CB-CA-C	-5.61	100.88	110.24
1	7E	26	ALA	CB-CA-C	-5.61	100.88	110.24
1	7M	24	VAL	CA-C-N	5.61	132.25	121.54
1	7M	24	VAL	C-N-CA	5.61	132.25	121.54
1	7Q	26	ALA	CB-CA-C	-5.61	100.88	110.24
2	1N	37	ASN	N-CA-C	-5.61	98.86	110.80
2	2J	37	ASN	N-CA-C	-5.61	98.86	110.80
2	3B	37	ASN	N-CA-C	-5.61	98.86	110.80
2	3J	37	ASN	N-CA-C	-5.61	98.86	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	37	ASN	N-CA-C	-5.61	98.86	110.80
2	4F	37	ASN	N-CA-C	-5.61	98.86	110.80
2	4Z	37	ASN	N-CA-C	-5.61	98.86	110.80
2	5V	37	ASN	N-CA-C	-5.61	98.86	110.80
2	6N	37	ASN	N-CA-C	-5.61	98.86	110.80
2	6V	37	ASN	N-CA-C	-5.61	98.86	110.80
2	7F	37	ASN	N-CA-C	-5.61	98.86	110.80
2	7R	37	ASN	N-CA-C	-5.61	98.86	110.80
2	13	76	ILE	CB-CG1-CD1	-5.60	102.03	113.80
2	17	76	ILE	CB-CG1-CD1	-5.60	102.03	113.80
2	2B	76	ILE	CB-CG1-CD1	-5.60	102.03	113.80
2	3R	76	ILE	CB-CG1-CD1	-5.60	102.03	113.80
2	3V	76	ILE	CB-CG1-CD1	-5.60	102.03	113.80
2	3Z	76	ILE	CB-CG1-CD1	-5.60	102.03	113.80
2	5F	76	ILE	CB-CG1-CD1	-5.60	102.03	113.80
2	5J	76	ILE	CB-CG1-CD1	-5.60	102.03	113.80
2	5N	76	ILE	CB-CG1-CD1	-5.60	102.03	113.80
2	63	76	ILE	CB-CG1-CD1	-5.60	102.03	113.80
2	67	76	ILE	CB-CG1-CD1	-5.60	102.03	113.80
2	7B	76	ILE	CB-CG1-CD1	-5.60	102.03	113.80
2	1F	37	ASN	N-CA-C	-5.60	98.87	110.80
2	2N	37	ASN	N-CA-C	-5.60	98.87	110.80
2	23	37	ASN	N-CA-C	-5.60	98.87	110.80
2	3N	37	ASN	N-CA-C	-5.60	98.87	110.80
2	37	37	ASN	N-CA-C	-5.60	98.87	110.80
2	4J	37	ASN	N-CA-C	-5.60	98.87	110.80
2	4R	37	ASN	N-CA-C	-5.60	98.87	110.80
2	5Z	37	ASN	N-CA-C	-5.60	98.87	110.80
2	6F	37	ASN	N-CA-C	-5.60	98.87	110.80
2	6Z	37	ASN	N-CA-C	-5.60	98.87	110.80
2	7J	37	ASN	N-CA-C	-5.60	98.87	110.80
2	7V	37	ASN	N-CA-C	-5.60	98.87	110.80
2	13	37	ASN	N-CA-C	-5.60	98.88	110.80
2	17	37	ASN	N-CA-C	-5.60	98.88	110.80
2	2B	37	ASN	N-CA-C	-5.60	98.88	110.80
2	3R	37	ASN	N-CA-C	-5.60	98.88	110.80
2	3V	37	ASN	N-CA-C	-5.60	98.88	110.80
2	3Z	37	ASN	N-CA-C	-5.60	98.88	110.80
2	5F	37	ASN	N-CA-C	-5.60	98.88	110.80
2	5J	37	ASN	N-CA-C	-5.60	98.88	110.80
2	5N	37	ASN	N-CA-C	-5.60	98.88	110.80
2	63	37	ASN	N-CA-C	-5.60	98.88	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	37	ASN	N-CA-C	-5.60	98.88	110.80
2	7B	37	ASN	N-CA-C	-5.60	98.88	110.80
2	1R	53	LYS	CA-CB-CG	-5.60	102.91	114.10
2	1V	53	LYS	CA-CB-CG	-5.60	102.91	114.10
2	1Z	53	LYS	CA-CB-CG	-5.60	102.91	114.10
2	2R	53	LYS	CA-CB-CG	-5.60	102.91	114.10
2	2V	53	LYS	CA-CB-CG	-5.60	102.91	114.10
2	2Z	53	LYS	CA-CB-CG	-5.60	102.91	114.10
2	43	53	LYS	CA-CB-CG	-5.60	102.91	114.10
2	47	53	LYS	CA-CB-CG	-5.60	102.91	114.10
2	5B	53	LYS	CA-CB-CG	-5.60	102.91	114.10
2	53	53	LYS	CA-CB-CG	-5.60	102.91	114.10
2	57	53	LYS	CA-CB-CG	-5.60	102.91	114.10
2	6B	53	LYS	CA-CB-CG	-5.60	102.91	114.10
2	1N	60	ARG	NH1-CZ-NH2	-5.60	112.03	119.30
2	2J	60	ARG	NH1-CZ-NH2	-5.60	112.03	119.30
2	3B	60	ARG	NH1-CZ-NH2	-5.60	112.03	119.30
2	3J	60	ARG	NH1-CZ-NH2	-5.60	112.03	119.30
2	33	60	ARG	NH1-CZ-NH2	-5.60	112.03	119.30
2	4F	60	ARG	NH1-CZ-NH2	-5.60	112.03	119.30
2	4Z	60	ARG	NH1-CZ-NH2	-5.60	112.03	119.30
2	5V	60	ARG	NH1-CZ-NH2	-5.60	112.03	119.30
2	6N	60	ARG	NH1-CZ-NH2	-5.60	112.03	119.30
2	6V	60	ARG	NH1-CZ-NH2	-5.60	112.03	119.30
2	7F	60	ARG	NH1-CZ-NH2	-5.60	112.03	119.30
2	7R	60	ARG	NH1-CZ-NH2	-5.60	112.03	119.30
1	1A	26	ALA	CB-CA-C	-5.59	100.90	110.24
1	1I	26	ALA	CB-CA-C	-5.59	100.90	110.24
1	2E	26	ALA	CB-CA-C	-5.59	100.90	110.24
1	26	26	ALA	CB-CA-C	-5.59	100.90	110.24
1	3E	26	ALA	CB-CA-C	-5.59	100.90	110.24
1	4A	26	ALA	CB-CA-C	-5.59	100.90	110.24
1	4M	26	ALA	CB-CA-C	-5.59	100.90	110.24
1	4U	26	ALA	CB-CA-C	-5.59	100.90	110.24
1	5Q	26	ALA	CB-CA-C	-5.59	100.90	110.24
1	6I	26	ALA	CB-CA-C	-5.59	100.90	110.24
1	6Q	26	ALA	CB-CA-C	-5.59	100.90	110.24
1	7M	26	ALA	CB-CA-C	-5.59	100.90	110.24
2	1B	37	ASN	N-CA-C	-5.59	98.89	110.80
2	1J	37	ASN	N-CA-C	-5.59	98.89	110.80
2	2F	37	ASN	N-CA-C	-5.59	98.89	110.80
2	27	37	ASN	N-CA-C	-5.59	98.89	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	37	ASN	N-CA-C	-5.59	98.89	110.80
2	4B	37	ASN	N-CA-C	-5.59	98.89	110.80
2	4N	37	ASN	N-CA-C	-5.59	98.89	110.80
2	4V	37	ASN	N-CA-C	-5.59	98.89	110.80
2	5R	37	ASN	N-CA-C	-5.59	98.89	110.80
2	6J	37	ASN	N-CA-C	-5.59	98.89	110.80
2	6R	37	ASN	N-CA-C	-5.59	98.89	110.80
2	7N	37	ASN	N-CA-C	-5.59	98.89	110.80
2	1N	76	ILE	CB-CG1-CD1	-5.59	102.06	113.80
1	1Q	26	ALA	CB-CA-C	-5.59	100.90	110.24
2	1R	37	ASN	N-CA-C	-5.59	98.89	110.80
1	1U	26	ALA	CB-CA-C	-5.59	100.90	110.24
2	1V	37	ASN	N-CA-C	-5.59	98.89	110.80
1	1Y	26	ALA	CB-CA-C	-5.59	100.90	110.24
2	1Z	37	ASN	N-CA-C	-5.59	98.89	110.80
2	2J	76	ILE	CB-CG1-CD1	-5.59	102.06	113.80
1	2Q	26	ALA	CB-CA-C	-5.59	100.90	110.24
2	2R	37	ASN	N-CA-C	-5.59	98.89	110.80
1	2U	26	ALA	CB-CA-C	-5.59	100.90	110.24
2	2V	37	ASN	N-CA-C	-5.59	98.89	110.80
1	2Y	26	ALA	CB-CA-C	-5.59	100.90	110.24
2	2Z	37	ASN	N-CA-C	-5.59	98.89	110.80
2	3B	76	ILE	CB-CG1-CD1	-5.59	102.06	113.80
2	3J	76	ILE	CB-CG1-CD1	-5.59	102.06	113.80
2	33	76	ILE	CB-CG1-CD1	-5.59	102.06	113.80
2	4F	76	ILE	CB-CG1-CD1	-5.59	102.06	113.80
2	4Z	76	ILE	CB-CG1-CD1	-5.59	102.06	113.80
1	42	26	ALA	CB-CA-C	-5.59	100.90	110.24
2	43	37	ASN	N-CA-C	-5.59	98.89	110.80
1	46	26	ALA	CB-CA-C	-5.59	100.90	110.24
2	47	37	ASN	N-CA-C	-5.59	98.89	110.80
1	5A	26	ALA	CB-CA-C	-5.59	100.90	110.24
2	5B	37	ASN	N-CA-C	-5.59	98.89	110.80
2	5V	76	ILE	CB-CG1-CD1	-5.59	102.06	113.80
1	52	26	ALA	CB-CA-C	-5.59	100.90	110.24
2	53	37	ASN	N-CA-C	-5.59	98.89	110.80
1	56	26	ALA	CB-CA-C	-5.59	100.90	110.24
2	57	37	ASN	N-CA-C	-5.59	98.89	110.80
1	6A	26	ALA	CB-CA-C	-5.59	100.90	110.24
2	6B	37	ASN	N-CA-C	-5.59	98.89	110.80
2	6N	76	ILE	CB-CG1-CD1	-5.59	102.06	113.80
2	6V	76	ILE	CB-CG1-CD1	-5.59	102.06	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	76	ILE	CB-CG1-CD1	-5.59	102.06	113.80
2	7R	76	ILE	CB-CG1-CD1	-5.59	102.06	113.80
1	1E	8	LEU	CB-CA-C	-5.59	100.95	109.89
1	1Q	24	VAL	CA-C-N	5.59	132.22	121.54
1	1Q	24	VAL	C-N-CA	5.59	132.22	121.54
1	1U	24	VAL	CA-C-N	5.59	132.22	121.54
1	1U	24	VAL	C-N-CA	5.59	132.22	121.54
1	1Y	24	VAL	CA-C-N	5.59	132.22	121.54
1	1Y	24	VAL	C-N-CA	5.59	132.22	121.54
1	2M	8	LEU	CB-CA-C	-5.59	100.95	109.89
1	2Q	24	VAL	CA-C-N	5.59	132.22	121.54
1	2Q	24	VAL	C-N-CA	5.59	132.22	121.54
1	2U	24	VAL	CA-C-N	5.59	132.22	121.54
1	2U	24	VAL	C-N-CA	5.59	132.22	121.54
1	2Y	24	VAL	CA-C-N	5.59	132.22	121.54
1	2Y	24	VAL	C-N-CA	5.59	132.22	121.54
1	22	8	LEU	CB-CA-C	-5.59	100.95	109.89
1	3M	8	LEU	CB-CA-C	-5.59	100.95	109.89
1	36	8	LEU	CB-CA-C	-5.59	100.95	109.89
1	4I	8	LEU	CB-CA-C	-5.59	100.95	109.89
1	4Q	8	LEU	CB-CA-C	-5.59	100.95	109.89
1	42	24	VAL	CA-C-N	5.59	132.22	121.54
1	42	24	VAL	C-N-CA	5.59	132.22	121.54
1	46	24	VAL	CA-C-N	5.59	132.22	121.54
1	46	24	VAL	C-N-CA	5.59	132.22	121.54
1	5A	24	VAL	CA-C-N	5.59	132.22	121.54
1	5A	24	VAL	C-N-CA	5.59	132.22	121.54
1	5Y	8	LEU	CB-CA-C	-5.59	100.95	109.89
1	52	24	VAL	CA-C-N	5.59	132.22	121.54
1	52	24	VAL	C-N-CA	5.59	132.22	121.54
1	56	24	VAL	CA-C-N	5.59	132.22	121.54
1	56	24	VAL	C-N-CA	5.59	132.22	121.54
1	6A	24	VAL	CA-C-N	5.59	132.22	121.54
1	6A	24	VAL	C-N-CA	5.59	132.22	121.54
1	6E	8	LEU	CB-CA-C	-5.59	100.95	109.89
1	6Y	8	LEU	CB-CA-C	-5.59	100.95	109.89
1	7I	8	LEU	CB-CA-C	-5.59	100.95	109.89
1	7U	8	LEU	CB-CA-C	-5.59	100.95	109.89
1	12	26	ALA	CB-CA-C	-5.59	100.91	110.24
1	16	26	ALA	CB-CA-C	-5.59	100.91	110.24
1	2A	26	ALA	CB-CA-C	-5.59	100.91	110.24
1	3Q	26	ALA	CB-CA-C	-5.59	100.91	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3U	26	ALA	CB-CA-C	-5.59	100.91	110.24
1	3Y	26	ALA	CB-CA-C	-5.59	100.91	110.24
1	5E	26	ALA	CB-CA-C	-5.59	100.91	110.24
1	5I	26	ALA	CB-CA-C	-5.59	100.91	110.24
1	5M	26	ALA	CB-CA-C	-5.59	100.91	110.24
1	62	26	ALA	CB-CA-C	-5.59	100.91	110.24
1	66	26	ALA	CB-CA-C	-5.59	100.91	110.24
1	7A	26	ALA	CB-CA-C	-5.59	100.91	110.24
2	1F	60	ARG	NH1-CZ-NH2	-5.58	112.04	119.30
2	2N	60	ARG	NH1-CZ-NH2	-5.58	112.04	119.30
2	23	60	ARG	NH1-CZ-NH2	-5.58	112.04	119.30
2	3N	60	ARG	NH1-CZ-NH2	-5.58	112.04	119.30
2	37	60	ARG	NH1-CZ-NH2	-5.58	112.04	119.30
2	4J	60	ARG	NH1-CZ-NH2	-5.58	112.04	119.30
2	4R	60	ARG	NH1-CZ-NH2	-5.58	112.04	119.30
2	5Z	60	ARG	NH1-CZ-NH2	-5.58	112.04	119.30
2	6F	60	ARG	NH1-CZ-NH2	-5.58	112.04	119.30
2	6Z	60	ARG	NH1-CZ-NH2	-5.58	112.04	119.30
2	7J	60	ARG	NH1-CZ-NH2	-5.58	112.04	119.30
2	7V	60	ARG	NH1-CZ-NH2	-5.58	112.04	119.30
1	1E	16	THR	N-CA-CB	-5.58	102.48	110.57
1	1M	16	THR	N-CA-CB	-5.58	102.48	110.57
2	13	26	ALA	CB-CA-C	5.58	116.91	109.65
2	13	60	ARG	NH1-CZ-NH2	-5.58	112.05	119.30
2	17	26	ALA	CB-CA-C	5.58	116.91	109.65
2	17	60	ARG	NH1-CZ-NH2	-5.58	112.05	119.30
2	2B	26	ALA	CB-CA-C	5.58	116.91	109.65
2	2B	60	ARG	NH1-CZ-NH2	-5.58	112.05	119.30
1	2I	16	THR	N-CA-CB	-5.58	102.48	110.57
1	2M	16	THR	N-CA-CB	-5.58	102.48	110.57
1	22	16	THR	N-CA-CB	-5.58	102.48	110.57
1	3A	16	THR	N-CA-CB	-5.58	102.48	110.57
1	3I	16	THR	N-CA-CB	-5.58	102.48	110.57
1	3M	16	THR	N-CA-CB	-5.58	102.48	110.57
2	3R	26	ALA	CB-CA-C	5.58	116.91	109.65
2	3R	60	ARG	NH1-CZ-NH2	-5.58	112.05	119.30
2	3V	26	ALA	CB-CA-C	5.58	116.91	109.65
2	3V	60	ARG	NH1-CZ-NH2	-5.58	112.05	119.30
2	3Z	26	ALA	CB-CA-C	5.58	116.91	109.65
2	3Z	60	ARG	NH1-CZ-NH2	-5.58	112.05	119.30
1	32	16	THR	N-CA-CB	-5.58	102.48	110.57
1	36	16	THR	N-CA-CB	-5.58	102.48	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	16	THR	N-CA-CB	-5.58	102.48	110.57
1	4I	16	THR	N-CA-CB	-5.58	102.48	110.57
1	4Q	16	THR	N-CA-CB	-5.58	102.48	110.57
1	4Y	16	THR	N-CA-CB	-5.58	102.48	110.57
2	5F	26	ALA	CB-CA-C	5.58	116.91	109.65
2	5F	60	ARG	NH1-CZ-NH2	-5.58	112.05	119.30
2	5J	26	ALA	CB-CA-C	5.58	116.91	109.65
2	5J	60	ARG	NH1-CZ-NH2	-5.58	112.05	119.30
2	5N	26	ALA	CB-CA-C	5.58	116.91	109.65
2	5N	60	ARG	NH1-CZ-NH2	-5.58	112.05	119.30
1	5U	16	THR	N-CA-CB	-5.58	102.48	110.57
1	5Y	16	THR	N-CA-CB	-5.58	102.48	110.57
1	6E	16	THR	N-CA-CB	-5.58	102.48	110.57
1	6M	16	THR	N-CA-CB	-5.58	102.48	110.57
1	6U	16	THR	N-CA-CB	-5.58	102.48	110.57
1	6Y	16	THR	N-CA-CB	-5.58	102.48	110.57
2	63	26	ALA	CB-CA-C	5.58	116.91	109.65
2	63	60	ARG	NH1-CZ-NH2	-5.58	112.05	119.30
2	67	26	ALA	CB-CA-C	5.58	116.91	109.65
2	67	60	ARG	NH1-CZ-NH2	-5.58	112.05	119.30
2	7B	26	ALA	CB-CA-C	5.58	116.91	109.65
2	7B	60	ARG	NH1-CZ-NH2	-5.58	112.05	119.30
1	7E	16	THR	N-CA-CB	-5.58	102.48	110.57
1	7I	16	THR	N-CA-CB	-5.58	102.48	110.57
1	7Q	16	THR	N-CA-CB	-5.58	102.48	110.57
1	7U	16	THR	N-CA-CB	-5.58	102.48	110.57
1	1E	26	ALA	CB-CA-C	-5.58	100.92	110.24
1	2M	26	ALA	CB-CA-C	-5.58	100.92	110.24
1	22	26	ALA	CB-CA-C	-5.58	100.92	110.24
1	3M	26	ALA	CB-CA-C	-5.58	100.92	110.24
1	36	26	ALA	CB-CA-C	-5.58	100.92	110.24
1	4I	26	ALA	CB-CA-C	-5.58	100.92	110.24
1	4Q	26	ALA	CB-CA-C	-5.58	100.92	110.24
1	5Y	26	ALA	CB-CA-C	-5.58	100.92	110.24
1	6E	26	ALA	CB-CA-C	-5.58	100.92	110.24
1	6Y	26	ALA	CB-CA-C	-5.58	100.92	110.24
1	7I	26	ALA	CB-CA-C	-5.58	100.92	110.24
1	7U	26	ALA	CB-CA-C	-5.58	100.92	110.24
3	14	92[1]	ASN	N-CA-C	-5.58	106.31	113.23
3	14	92[2]	ASN	N-CA-C	-5.58	106.31	113.23
3	18	92[1]	ASN	N-CA-C	-5.58	106.31	113.23
3	18	92[2]	ASN	N-CA-C	-5.58	106.31	113.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2C	92[1]	ASN	N-CA-C	-5.58	106.31	113.23
3	2C	92[2]	ASN	N-CA-C	-5.58	106.31	113.23
3	3S	92[1]	ASN	N-CA-C	-5.58	106.31	113.23
3	3S	92[2]	ASN	N-CA-C	-5.58	106.31	113.23
3	3W	92[1]	ASN	N-CA-C	-5.58	106.31	113.23
3	3W	92[2]	ASN	N-CA-C	-5.58	106.31	113.23
3	30	92[1]	ASN	N-CA-C	-5.58	106.31	113.23
3	30	92[2]	ASN	N-CA-C	-5.58	106.31	113.23
3	5G	92[1]	ASN	N-CA-C	-5.58	106.31	113.23
3	5G	92[2]	ASN	N-CA-C	-5.58	106.31	113.23
3	5K	92[1]	ASN	N-CA-C	-5.58	106.31	113.23
3	5K	92[2]	ASN	N-CA-C	-5.58	106.31	113.23
3	5O	92[1]	ASN	N-CA-C	-5.58	106.31	113.23
3	5O	92[2]	ASN	N-CA-C	-5.58	106.31	113.23
3	64	92[1]	ASN	N-CA-C	-5.58	106.31	113.23
3	64	92[2]	ASN	N-CA-C	-5.58	106.31	113.23
3	68	92[1]	ASN	N-CA-C	-5.58	106.31	113.23
3	68	92[2]	ASN	N-CA-C	-5.58	106.31	113.23
3	7C	92[1]	ASN	N-CA-C	-5.58	106.31	113.23
3	7C	92[2]	ASN	N-CA-C	-5.58	106.31	113.23
1	1M	24	VAL	CA-C-N	5.57	132.19	121.54
1	1M	24	VAL	C-N-CA	5.57	132.19	121.54
1	2I	24	VAL	CA-C-N	5.57	132.19	121.54
1	2I	24	VAL	C-N-CA	5.57	132.19	121.54
1	3A	24	VAL	CA-C-N	5.57	132.19	121.54
1	3A	24	VAL	C-N-CA	5.57	132.19	121.54
1	3I	24	VAL	CA-C-N	5.57	132.19	121.54
1	3I	24	VAL	C-N-CA	5.57	132.19	121.54
1	32	24	VAL	CA-C-N	5.57	132.19	121.54
1	32	24	VAL	C-N-CA	5.57	132.19	121.54
1	4E	24	VAL	CA-C-N	5.57	132.19	121.54
1	4E	24	VAL	C-N-CA	5.57	132.19	121.54
1	4Y	24	VAL	CA-C-N	5.57	132.19	121.54
1	4Y	24	VAL	C-N-CA	5.57	132.19	121.54
1	5U	24	VAL	CA-C-N	5.57	132.19	121.54
1	5U	24	VAL	C-N-CA	5.57	132.19	121.54
1	6M	24	VAL	CA-C-N	5.57	132.19	121.54
1	6M	24	VAL	C-N-CA	5.57	132.19	121.54
1	6U	24	VAL	CA-C-N	5.57	132.19	121.54
1	6U	24	VAL	C-N-CA	5.57	132.19	121.54
1	7E	24	VAL	CA-C-N	5.57	132.19	121.54
1	7E	24	VAL	C-N-CA	5.57	132.19	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7Q	24	VAL	CA-C-N	5.57	132.19	121.54
1	7Q	24	VAL	C-N-CA	5.57	132.19	121.54
2	1B	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	1J	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	1R	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	1V	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	1Z	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	2F	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	2R	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	2V	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	2Z	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	27	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	3F	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	4B	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	4N	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	4V	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	43	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	47	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	5B	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	5R	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	53	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	57	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	6B	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	6J	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	6R	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
2	7N	60	ARG	NH1-CZ-NH2	-5.57	112.06	119.30
1	1M	168	GLN	OE1-CD-NE2	-5.57	117.03	122.60
1	2I	168	GLN	OE1-CD-NE2	-5.57	117.03	122.60
1	3A	168	GLN	OE1-CD-NE2	-5.57	117.03	122.60
1	3I	168	GLN	OE1-CD-NE2	-5.57	117.03	122.60
1	32	168	GLN	OE1-CD-NE2	-5.57	117.03	122.60
1	4E	168	GLN	OE1-CD-NE2	-5.57	117.03	122.60
1	4Y	168	GLN	OE1-CD-NE2	-5.57	117.03	122.60
1	5U	168	GLN	OE1-CD-NE2	-5.57	117.03	122.60
1	6M	168	GLN	OE1-CD-NE2	-5.57	117.03	122.60
1	6U	168	GLN	OE1-CD-NE2	-5.57	117.03	122.60
1	7E	168	GLN	OE1-CD-NE2	-5.57	117.03	122.60
1	7Q	168	GLN	OE1-CD-NE2	-5.57	117.03	122.60
1	1E	136	PRO	CA-N-CD	-5.56	104.22	112.00
1	2M	136	PRO	CA-N-CD	-5.56	104.22	112.00
1	22	136	PRO	CA-N-CD	-5.56	104.22	112.00
1	3M	136	PRO	CA-N-CD	-5.56	104.22	112.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	136	PRO	CA-N-CD	-5.56	104.22	112.00
1	4I	136	PRO	CA-N-CD	-5.56	104.22	112.00
1	4Q	136	PRO	CA-N-CD	-5.56	104.22	112.00
1	5Y	136	PRO	CA-N-CD	-5.56	104.22	112.00
1	6E	136	PRO	CA-N-CD	-5.56	104.22	112.00
1	6Y	136	PRO	CA-N-CD	-5.56	104.22	112.00
1	7I	136	PRO	CA-N-CD	-5.56	104.22	112.00
1	7U	136	PRO	CA-N-CD	-5.56	104.22	112.00
2	1R	26	ALA	CB-CA-C	5.56	116.88	109.65
2	1V	26	ALA	CB-CA-C	5.56	116.88	109.65
2	1Z	26	ALA	CB-CA-C	5.56	116.88	109.65
2	2R	26	ALA	CB-CA-C	5.56	116.88	109.65
2	2V	26	ALA	CB-CA-C	5.56	116.88	109.65
2	2Z	26	ALA	CB-CA-C	5.56	116.88	109.65
2	43	26	ALA	CB-CA-C	5.56	116.88	109.65
2	47	26	ALA	CB-CA-C	5.56	116.88	109.65
2	5B	26	ALA	CB-CA-C	5.56	116.88	109.65
2	53	26	ALA	CB-CA-C	5.56	116.88	109.65
2	57	26	ALA	CB-CA-C	5.56	116.88	109.65
2	6B	26	ALA	CB-CA-C	5.56	116.88	109.65
2	1B	26	ALA	CB-CA-C	5.56	116.88	109.65
2	1J	26	ALA	CB-CA-C	5.56	116.88	109.65
1	12	168	GLN	OE1-CD-NE2	-5.56	117.04	122.60
1	16	168	GLN	OE1-CD-NE2	-5.56	117.04	122.60
1	2A	168	GLN	OE1-CD-NE2	-5.56	117.04	122.60
2	2F	26	ALA	CB-CA-C	5.56	116.88	109.65
2	27	26	ALA	CB-CA-C	5.56	116.88	109.65
2	3F	26	ALA	CB-CA-C	5.56	116.88	109.65
1	3Q	168	GLN	OE1-CD-NE2	-5.56	117.04	122.60
1	3U	168	GLN	OE1-CD-NE2	-5.56	117.04	122.60
1	3Y	168	GLN	OE1-CD-NE2	-5.56	117.04	122.60
2	4B	26	ALA	CB-CA-C	5.56	116.88	109.65
2	4N	26	ALA	CB-CA-C	5.56	116.88	109.65
2	4V	26	ALA	CB-CA-C	5.56	116.88	109.65
1	5E	168	GLN	OE1-CD-NE2	-5.56	117.04	122.60
1	5I	168	GLN	OE1-CD-NE2	-5.56	117.04	122.60
1	5M	168	GLN	OE1-CD-NE2	-5.56	117.04	122.60
2	5R	26	ALA	CB-CA-C	5.56	116.88	109.65
2	6J	26	ALA	CB-CA-C	5.56	116.88	109.65
2	6R	26	ALA	CB-CA-C	5.56	116.88	109.65
1	62	168	GLN	OE1-CD-NE2	-5.56	117.04	122.60
1	66	168	GLN	OE1-CD-NE2	-5.56	117.04	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7A	168	GLN	OE1-CD-NE2	-5.56	117.04	122.60
2	7N	26	ALA	CB-CA-C	5.56	116.88	109.65
3	1G	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	1G	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	1O	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	1O	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	1S	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	1S	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	1W	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	1W	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	10	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	10	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	2K	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	2K	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	2O	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	2O	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	2S	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	2S	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	2W	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	2W	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	20	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	20	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	24	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	24	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	3C	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	3C	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	3K	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	3K	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	3O	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	3O	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	34	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	34	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	38	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	38	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	4G	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	4G	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	4K	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	4K	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	4S	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	4S	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	40	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	40	92[2]	ASN	N-CA-C	-5.55	106.34	113.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	44	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	44	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	48	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	48	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	5C	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	5C	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	5W	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	5W	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	50	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	50	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	54	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	54	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	58	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	58	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	6C	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	6C	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	6G	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	6G	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	6O	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	6O	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	6W	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	6W	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	60	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	60	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	7G	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	7G	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	7K	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	7K	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	7S	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	7S	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
3	7W	92[1]	ASN	N-CA-C	-5.55	106.34	113.23
3	7W	92[2]	ASN	N-CA-C	-5.55	106.34	113.23
1	12	136	PRO	CA-N-CD	-5.55	104.23	112.00
1	16	136	PRO	CA-N-CD	-5.55	104.23	112.00
1	2A	136	PRO	CA-N-CD	-5.55	104.23	112.00
1	3Q	136	PRO	CA-N-CD	-5.55	104.23	112.00
1	3U	136	PRO	CA-N-CD	-5.55	104.23	112.00
1	3Y	136	PRO	CA-N-CD	-5.55	104.23	112.00
1	5E	136	PRO	CA-N-CD	-5.55	104.23	112.00
1	5I	136	PRO	CA-N-CD	-5.55	104.23	112.00
1	5M	136	PRO	CA-N-CD	-5.55	104.23	112.00
1	62	136	PRO	CA-N-CD	-5.55	104.23	112.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	136	PRO	CA-N-CD	-5.55	104.23	112.00
1	7A	136	PRO	CA-N-CD	-5.55	104.23	112.00
1	1M	136	PRO	CA-N-CD	-5.55	104.24	112.00
1	2I	136	PRO	CA-N-CD	-5.55	104.24	112.00
1	3A	136	PRO	CA-N-CD	-5.55	104.24	112.00
1	3I	136	PRO	CA-N-CD	-5.55	104.24	112.00
1	32	136	PRO	CA-N-CD	-5.55	104.24	112.00
1	4E	136	PRO	CA-N-CD	-5.55	104.24	112.00
1	4Y	136	PRO	CA-N-CD	-5.55	104.24	112.00
1	5U	136	PRO	CA-N-CD	-5.55	104.24	112.00
1	6M	136	PRO	CA-N-CD	-5.55	104.24	112.00
1	6U	136	PRO	CA-N-CD	-5.55	104.24	112.00
1	7E	136	PRO	CA-N-CD	-5.55	104.24	112.00
1	7Q	136	PRO	CA-N-CD	-5.55	104.24	112.00
1	1A	168	GLN	OE1-CD-NE2	-5.54	117.06	122.60
1	1I	168	GLN	OE1-CD-NE2	-5.54	117.06	122.60
1	2E	168	GLN	OE1-CD-NE2	-5.54	117.06	122.60
1	26	168	GLN	OE1-CD-NE2	-5.54	117.06	122.60
1	3E	168	GLN	OE1-CD-NE2	-5.54	117.06	122.60
1	4A	168	GLN	OE1-CD-NE2	-5.54	117.06	122.60
1	4M	168	GLN	OE1-CD-NE2	-5.54	117.06	122.60
1	4U	168	GLN	OE1-CD-NE2	-5.54	117.06	122.60
1	5Q	168	GLN	OE1-CD-NE2	-5.54	117.06	122.60
1	6I	168	GLN	OE1-CD-NE2	-5.54	117.06	122.60
1	6Q	168	GLN	OE1-CD-NE2	-5.54	117.06	122.60
1	7M	168	GLN	OE1-CD-NE2	-5.54	117.06	122.60
3	1C	92[1]	ASN	N-CA-C	-5.54	106.36	113.23
3	1C	92[2]	ASN	N-CA-C	-5.54	106.36	113.23
2	1F	225	ASN	N-CA-CB	-5.54	101.12	110.49
3	1K	92[1]	ASN	N-CA-C	-5.54	106.36	113.23
3	1K	92[2]	ASN	N-CA-C	-5.54	106.36	113.23
1	1Q	136	PRO	CA-N-CD	-5.54	104.24	112.00
1	1U	136	PRO	CA-N-CD	-5.54	104.24	112.00
1	1Y	136	PRO	CA-N-CD	-5.54	104.24	112.00
1	12	28	GLY	CA-C-N	5.54	132.12	121.54
1	12	28	GLY	C-N-CA	5.54	132.12	121.54
1	16	28	GLY	CA-C-N	5.54	132.12	121.54
1	16	28	GLY	C-N-CA	5.54	132.12	121.54
1	2A	28	GLY	CA-C-N	5.54	132.12	121.54
1	2A	28	GLY	C-N-CA	5.54	132.12	121.54
3	2G	92[1]	ASN	N-CA-C	-5.54	106.36	113.23
3	2G	92[2]	ASN	N-CA-C	-5.54	106.36	113.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2N	225	ASN	N-CA-CB	-5.54	101.12	110.49
1	2Q	136	PRO	CA-N-CD	-5.54	104.24	112.00
1	2U	136	PRO	CA-N-CD	-5.54	104.24	112.00
1	2Y	136	PRO	CA-N-CD	-5.54	104.24	112.00
2	23	225	ASN	N-CA-CB	-5.54	101.12	110.49
3	28	92[1]	ASN	N-CA-C	-5.54	106.36	113.23
3	28	92[2]	ASN	N-CA-C	-5.54	106.36	113.23
3	3G	92[1]	ASN	N-CA-C	-5.54	106.36	113.23
3	3G	92[2]	ASN	N-CA-C	-5.54	106.36	113.23
2	3N	225	ASN	N-CA-CB	-5.54	101.12	110.49
1	3Q	28	GLY	CA-C-N	5.54	132.12	121.54
1	3Q	28	GLY	C-N-CA	5.54	132.12	121.54
1	3U	28	GLY	CA-C-N	5.54	132.12	121.54
1	3U	28	GLY	C-N-CA	5.54	132.12	121.54
1	3Y	28	GLY	CA-C-N	5.54	132.12	121.54
1	3Y	28	GLY	C-N-CA	5.54	132.12	121.54
2	37	225	ASN	N-CA-CB	-5.54	101.12	110.49
3	4C	92[1]	ASN	N-CA-C	-5.54	106.36	113.23
3	4C	92[2]	ASN	N-CA-C	-5.54	106.36	113.23
2	4J	225	ASN	N-CA-CB	-5.54	101.12	110.49
3	4O	92[1]	ASN	N-CA-C	-5.54	106.36	113.23
3	4O	92[2]	ASN	N-CA-C	-5.54	106.36	113.23
2	4R	225	ASN	N-CA-CB	-5.54	101.12	110.49
3	4W	92[1]	ASN	N-CA-C	-5.54	106.36	113.23
3	4W	92[2]	ASN	N-CA-C	-5.54	106.36	113.23
1	42	136	PRO	CA-N-CD	-5.54	104.24	112.00
1	46	136	PRO	CA-N-CD	-5.54	104.24	112.00
1	5A	136	PRO	CA-N-CD	-5.54	104.24	112.00
1	5E	28	GLY	CA-C-N	5.54	132.12	121.54
1	5E	28	GLY	C-N-CA	5.54	132.12	121.54
1	5I	28	GLY	CA-C-N	5.54	132.12	121.54
1	5I	28	GLY	C-N-CA	5.54	132.12	121.54
1	5M	28	GLY	CA-C-N	5.54	132.12	121.54
1	5M	28	GLY	C-N-CA	5.54	132.12	121.54
3	5S	92[1]	ASN	N-CA-C	-5.54	106.36	113.23
3	5S	92[2]	ASN	N-CA-C	-5.54	106.36	113.23
2	5Z	225	ASN	N-CA-CB	-5.54	101.12	110.49
1	52	136	PRO	CA-N-CD	-5.54	104.24	112.00
1	56	136	PRO	CA-N-CD	-5.54	104.24	112.00
1	6A	136	PRO	CA-N-CD	-5.54	104.24	112.00
2	6F	225	ASN	N-CA-CB	-5.54	101.12	110.49
3	6K	92[1]	ASN	N-CA-C	-5.54	106.36	113.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6K	92[2]	ASN	N-CA-C	-5.54	106.36	113.23
3	6S	92[1]	ASN	N-CA-C	-5.54	106.36	113.23
3	6S	92[2]	ASN	N-CA-C	-5.54	106.36	113.23
2	6Z	225	ASN	N-CA-CB	-5.54	101.12	110.49
1	62	28	GLY	CA-C-N	5.54	132.12	121.54
1	62	28	GLY	C-N-CA	5.54	132.12	121.54
1	66	28	GLY	CA-C-N	5.54	132.12	121.54
1	66	28	GLY	C-N-CA	5.54	132.12	121.54
1	7A	28	GLY	CA-C-N	5.54	132.12	121.54
1	7A	28	GLY	C-N-CA	5.54	132.12	121.54
2	7J	225	ASN	N-CA-CB	-5.54	101.12	110.49
3	7O	92[1]	ASN	N-CA-C	-5.54	106.36	113.23
3	7O	92[2]	ASN	N-CA-C	-5.54	106.36	113.23
2	7V	225	ASN	N-CA-CB	-5.54	101.12	110.49
1	1A	136	PRO	CA-N-CD	-5.54	104.25	112.00
1	1I	136	PRO	CA-N-CD	-5.54	104.25	112.00
1	2E	136	PRO	CA-N-CD	-5.54	104.25	112.00
1	26	136	PRO	CA-N-CD	-5.54	104.25	112.00
1	3E	136	PRO	CA-N-CD	-5.54	104.25	112.00
1	4A	136	PRO	CA-N-CD	-5.54	104.25	112.00
1	4M	136	PRO	CA-N-CD	-5.54	104.25	112.00
1	4U	136	PRO	CA-N-CD	-5.54	104.25	112.00
1	5Q	136	PRO	CA-N-CD	-5.54	104.25	112.00
1	6I	136	PRO	CA-N-CD	-5.54	104.25	112.00
1	6Q	136	PRO	CA-N-CD	-5.54	104.25	112.00
1	7M	136	PRO	CA-N-CD	-5.54	104.25	112.00
1	1Q	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	1U	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	1Y	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	2Q	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	2U	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	2Y	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	42	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	46	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	5A	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	52	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	56	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	6A	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	1A	28	GLY	CA-C-N	5.54	132.11	121.54
1	1A	28	GLY	C-N-CA	5.54	132.11	121.54
1	1E	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	1I	28	GLY	CA-C-N	5.54	132.11	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1I	28	GLY	C-N-CA	5.54	132.11	121.54
2	13	4	GLU	CG-CD-OE1	-5.54	105.67	118.40
2	17	4	GLU	CG-CD-OE1	-5.54	105.67	118.40
2	2B	4	GLU	CG-CD-OE1	-5.54	105.67	118.40
1	2E	28	GLY	CA-C-N	5.54	132.11	121.54
1	2E	28	GLY	C-N-CA	5.54	132.11	121.54
1	2M	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	22	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	26	28	GLY	CA-C-N	5.54	132.11	121.54
1	26	28	GLY	C-N-CA	5.54	132.11	121.54
1	3E	28	GLY	CA-C-N	5.54	132.11	121.54
1	3E	28	GLY	C-N-CA	5.54	132.11	121.54
1	3M	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
2	3R	4	GLU	CG-CD-OE1	-5.54	105.67	118.40
2	3V	4	GLU	CG-CD-OE1	-5.54	105.67	118.40
2	3Z	4	GLU	CG-CD-OE1	-5.54	105.67	118.40
1	36	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	4A	28	GLY	CA-C-N	5.54	132.11	121.54
1	4A	28	GLY	C-N-CA	5.54	132.11	121.54
1	4I	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	4M	28	GLY	CA-C-N	5.54	132.11	121.54
1	4M	28	GLY	C-N-CA	5.54	132.11	121.54
1	4Q	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	4U	28	GLY	CA-C-N	5.54	132.11	121.54
1	4U	28	GLY	C-N-CA	5.54	132.11	121.54
2	5F	4	GLU	CG-CD-OE1	-5.54	105.67	118.40
2	5J	4	GLU	CG-CD-OE1	-5.54	105.67	118.40
2	5N	4	GLU	CG-CD-OE1	-5.54	105.67	118.40
1	5Q	28	GLY	CA-C-N	5.54	132.11	121.54
1	5Q	28	GLY	C-N-CA	5.54	132.11	121.54
1	5Y	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	6E	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	6I	28	GLY	CA-C-N	5.54	132.11	121.54
1	6I	28	GLY	C-N-CA	5.54	132.11	121.54
1	6Q	28	GLY	CA-C-N	5.54	132.11	121.54
1	6Q	28	GLY	C-N-CA	5.54	132.11	121.54
1	6Y	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
2	63	4	GLU	CG-CD-OE1	-5.54	105.67	118.40
2	67	4	GLU	CG-CD-OE1	-5.54	105.67	118.40
2	7B	4	GLU	CG-CD-OE1	-5.54	105.67	118.40
1	7I	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
1	7M	28	GLY	CA-C-N	5.54	132.11	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7M	28	GLY	C-N-CA	5.54	132.11	121.54
1	7U	52	PHE	CZ-CE2-CD2	5.54	129.97	120.00
2	1F	4	GLU	CG-CD-OE1	-5.53	105.67	118.40
2	2N	4	GLU	CG-CD-OE1	-5.53	105.67	118.40
2	23	4	GLU	CG-CD-OE1	-5.53	105.67	118.40
2	3N	4	GLU	CG-CD-OE1	-5.53	105.67	118.40
2	37	4	GLU	CG-CD-OE1	-5.53	105.67	118.40
2	4J	4	GLU	CG-CD-OE1	-5.53	105.67	118.40
2	4R	4	GLU	CG-CD-OE1	-5.53	105.67	118.40
2	5Z	4	GLU	CG-CD-OE1	-5.53	105.67	118.40
2	6F	4	GLU	CG-CD-OE1	-5.53	105.67	118.40
2	6Z	4	GLU	CG-CD-OE1	-5.53	105.67	118.40
2	7J	4	GLU	CG-CD-OE1	-5.53	105.67	118.40
2	7V	4	GLU	CG-CD-OE1	-5.53	105.67	118.40
1	1A	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	1I	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	1M	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	1Q	28	GLY	CA-C-N	5.53	132.11	121.54
1	1Q	28	GLY	C-N-CA	5.53	132.11	121.54
1	1U	28	GLY	CA-C-N	5.53	132.11	121.54
1	1U	28	GLY	C-N-CA	5.53	132.11	121.54
1	1Y	28	GLY	CA-C-N	5.53	132.11	121.54
1	1Y	28	GLY	C-N-CA	5.53	132.11	121.54
2	13	226	ILE	CA-C-O	5.53	127.69	120.78
2	17	226	ILE	CA-C-O	5.53	127.69	120.78
2	2B	226	ILE	CA-C-O	5.53	127.69	120.78
1	2E	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	2I	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	2Q	28	GLY	CA-C-N	5.53	132.11	121.54
1	2Q	28	GLY	C-N-CA	5.53	132.11	121.54
1	2U	28	GLY	CA-C-N	5.53	132.11	121.54
1	2U	28	GLY	C-N-CA	5.53	132.11	121.54
1	2Y	28	GLY	CA-C-N	5.53	132.11	121.54
1	2Y	28	GLY	C-N-CA	5.53	132.11	121.54
1	26	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	3A	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	3E	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	3I	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
2	3R	226	ILE	CA-C-O	5.53	127.69	120.78
2	3V	226	ILE	CA-C-O	5.53	127.69	120.78
2	3Z	226	ILE	CA-C-O	5.53	127.69	120.78
1	32	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	4E	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	4M	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	4U	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	4Y	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	42	28	GLY	CA-C-N	5.53	132.11	121.54
1	42	28	GLY	C-N-CA	5.53	132.11	121.54
1	46	28	GLY	CA-C-N	5.53	132.11	121.54
1	46	28	GLY	C-N-CA	5.53	132.11	121.54
1	5A	28	GLY	CA-C-N	5.53	132.11	121.54
1	5A	28	GLY	C-N-CA	5.53	132.11	121.54
2	5F	226	ILE	CA-C-O	5.53	127.69	120.78
2	5J	226	ILE	CA-C-O	5.53	127.69	120.78
2	5N	226	ILE	CA-C-O	5.53	127.69	120.78
1	5Q	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	5U	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	52	28	GLY	CA-C-N	5.53	132.11	121.54
1	52	28	GLY	C-N-CA	5.53	132.11	121.54
1	56	28	GLY	CA-C-N	5.53	132.11	121.54
1	56	28	GLY	C-N-CA	5.53	132.11	121.54
1	6A	28	GLY	CA-C-N	5.53	132.11	121.54
1	6A	28	GLY	C-N-CA	5.53	132.11	121.54
1	6I	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	6M	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	6Q	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	6U	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
2	63	226	ILE	CA-C-O	5.53	127.69	120.78
2	67	226	ILE	CA-C-O	5.53	127.69	120.78
2	7B	226	ILE	CA-C-O	5.53	127.69	120.78
1	7E	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	7M	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	7Q	52	PHE	CZ-CE2-CD2	5.53	129.96	120.00
1	1E	28	GLY	CA-C-N	5.53	132.10	121.54
1	1E	28	GLY	C-N-CA	5.53	132.10	121.54
1	2M	28	GLY	CA-C-N	5.53	132.10	121.54
1	2M	28	GLY	C-N-CA	5.53	132.10	121.54
1	22	28	GLY	CA-C-N	5.53	132.10	121.54
1	22	28	GLY	C-N-CA	5.53	132.10	121.54
1	3M	28	GLY	CA-C-N	5.53	132.10	121.54
1	3M	28	GLY	C-N-CA	5.53	132.10	121.54
1	36	28	GLY	CA-C-N	5.53	132.10	121.54
1	36	28	GLY	C-N-CA	5.53	132.10	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4I	28	GLY	CA-C-N	5.53	132.10	121.54
1	4I	28	GLY	C-N-CA	5.53	132.10	121.54
1	4Q	28	GLY	CA-C-N	5.53	132.10	121.54
1	4Q	28	GLY	C-N-CA	5.53	132.10	121.54
1	5Y	28	GLY	CA-C-N	5.53	132.10	121.54
1	5Y	28	GLY	C-N-CA	5.53	132.10	121.54
1	6E	28	GLY	CA-C-N	5.53	132.10	121.54
1	6E	28	GLY	C-N-CA	5.53	132.10	121.54
1	6Y	28	GLY	CA-C-N	5.53	132.10	121.54
1	6Y	28	GLY	C-N-CA	5.53	132.10	121.54
1	7I	28	GLY	CA-C-N	5.53	132.10	121.54
1	7I	28	GLY	C-N-CA	5.53	132.10	121.54
1	7U	28	GLY	CA-C-N	5.53	132.10	121.54
1	7U	28	GLY	C-N-CA	5.53	132.10	121.54
2	1F	26	ALA	CB-CA-C	5.53	116.83	109.65
2	1N	4	GLU	CG-CD-OE1	-5.53	105.69	118.40
2	1N	225	ASN	N-CA-CB	-5.53	101.15	110.49
1	12	52	PHE	CZ-CE2-CD2	5.53	129.95	120.00
1	16	52	PHE	CZ-CE2-CD2	5.53	129.95	120.00
1	2A	52	PHE	CZ-CE2-CD2	5.53	129.95	120.00
2	2J	4	GLU	CG-CD-OE1	-5.53	105.69	118.40
2	2J	225	ASN	N-CA-CB	-5.53	101.15	110.49
2	2N	26	ALA	CB-CA-C	5.53	116.83	109.65
2	23	26	ALA	CB-CA-C	5.53	116.83	109.65
2	3B	4	GLU	CG-CD-OE1	-5.53	105.69	118.40
2	3B	225	ASN	N-CA-CB	-5.53	101.15	110.49
2	3J	4	GLU	CG-CD-OE1	-5.53	105.69	118.40
2	3J	225	ASN	N-CA-CB	-5.53	101.15	110.49
2	3N	26	ALA	CB-CA-C	5.53	116.83	109.65
1	3Q	52	PHE	CZ-CE2-CD2	5.53	129.95	120.00
1	3U	52	PHE	CZ-CE2-CD2	5.53	129.95	120.00
1	3Y	52	PHE	CZ-CE2-CD2	5.53	129.95	120.00
2	33	4	GLU	CG-CD-OE1	-5.53	105.69	118.40
2	33	225	ASN	N-CA-CB	-5.53	101.15	110.49
2	37	26	ALA	CB-CA-C	5.53	116.83	109.65
2	4F	4	GLU	CG-CD-OE1	-5.53	105.69	118.40
2	4F	225	ASN	N-CA-CB	-5.53	101.15	110.49
2	4J	26	ALA	CB-CA-C	5.53	116.83	109.65
2	4R	26	ALA	CB-CA-C	5.53	116.83	109.65
2	4Z	4	GLU	CG-CD-OE1	-5.53	105.69	118.40
2	4Z	225	ASN	N-CA-CB	-5.53	101.15	110.49
1	5E	52	PHE	CZ-CE2-CD2	5.53	129.95	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5I	52	PHE	CZ-CE2-CD2	5.53	129.95	120.00
1	5M	52	PHE	CZ-CE2-CD2	5.53	129.95	120.00
2	5V	4	GLU	CG-CD-OE1	-5.53	105.69	118.40
2	5V	225	ASN	N-CA-CB	-5.53	101.15	110.49
2	5Z	26	ALA	CB-CA-C	5.53	116.83	109.65
2	6F	26	ALA	CB-CA-C	5.53	116.83	109.65
2	6N	4	GLU	CG-CD-OE1	-5.53	105.69	118.40
2	6N	225	ASN	N-CA-CB	-5.53	101.15	110.49
2	6V	4	GLU	CG-CD-OE1	-5.53	105.69	118.40
2	6V	225	ASN	N-CA-CB	-5.53	101.15	110.49
2	6Z	26	ALA	CB-CA-C	5.53	116.83	109.65
1	62	52	PHE	CZ-CE2-CD2	5.53	129.95	120.00
1	66	52	PHE	CZ-CE2-CD2	5.53	129.95	120.00
1	7A	52	PHE	CZ-CE2-CD2	5.53	129.95	120.00
2	7F	4	GLU	CG-CD-OE1	-5.53	105.69	118.40
2	7F	225	ASN	N-CA-CB	-5.53	101.15	110.49
2	7J	26	ALA	CB-CA-C	5.53	116.83	109.65
2	7R	4	GLU	CG-CD-OE1	-5.53	105.69	118.40
2	7R	225	ASN	N-CA-CB	-5.53	101.15	110.49
2	7V	26	ALA	CB-CA-C	5.53	116.83	109.65
1	1A	168	GLN	N-CA-C	5.52	122.57	110.80
1	1I	168	GLN	N-CA-C	5.52	122.57	110.80
1	1Q	168	GLN	N-CA-C	5.52	122.57	110.80
1	1U	168	GLN	N-CA-C	5.52	122.57	110.80
1	1Y	168	GLN	N-CA-C	5.52	122.57	110.80
1	2E	168	GLN	N-CA-C	5.52	122.57	110.80
1	2Q	168	GLN	N-CA-C	5.52	122.57	110.80
1	2U	168	GLN	N-CA-C	5.52	122.57	110.80
1	2Y	168	GLN	N-CA-C	5.52	122.57	110.80
1	26	168	GLN	N-CA-C	5.52	122.57	110.80
1	3E	168	GLN	N-CA-C	5.52	122.57	110.80
1	4A	168	GLN	N-CA-C	5.52	122.57	110.80
1	4M	168	GLN	N-CA-C	5.52	122.57	110.80
1	4U	168	GLN	N-CA-C	5.52	122.57	110.80
1	42	168	GLN	N-CA-C	5.52	122.57	110.80
1	46	168	GLN	N-CA-C	5.52	122.57	110.80
1	5A	168	GLN	N-CA-C	5.52	122.57	110.80
1	5Q	168	GLN	N-CA-C	5.52	122.57	110.80
1	52	168	GLN	N-CA-C	5.52	122.57	110.80
1	56	168	GLN	N-CA-C	5.52	122.57	110.80
1	6A	168	GLN	N-CA-C	5.52	122.57	110.80
1	6I	168	GLN	N-CA-C	5.52	122.57	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6Q	168	GLN	N-CA-C	5.52	122.57	110.80
1	7M	168	GLN	N-CA-C	5.52	122.57	110.80
2	1B	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
2	1J	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
1	1M	168	GLN	N-CA-C	5.52	122.56	110.80
1	1Q	111	ILE	N-CA-C	5.52	120.83	109.34
1	1U	111	ILE	N-CA-C	5.52	120.83	109.34
1	1Y	111	ILE	N-CA-C	5.52	120.83	109.34
2	2F	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
1	2I	168	GLN	N-CA-C	5.52	122.56	110.80
1	2Q	111	ILE	N-CA-C	5.52	120.83	109.34
1	2U	111	ILE	N-CA-C	5.52	120.83	109.34
1	2Y	111	ILE	N-CA-C	5.52	120.83	109.34
2	27	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
1	3A	168	GLN	N-CA-C	5.52	122.56	110.80
2	3F	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
1	3I	168	GLN	N-CA-C	5.52	122.56	110.80
1	32	168	GLN	N-CA-C	5.52	122.56	110.80
2	4B	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
1	4E	168	GLN	N-CA-C	5.52	122.56	110.80
2	4N	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
2	4V	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
1	4Y	168	GLN	N-CA-C	5.52	122.56	110.80
1	42	111	ILE	N-CA-C	5.52	120.83	109.34
1	46	111	ILE	N-CA-C	5.52	120.83	109.34
1	5A	111	ILE	N-CA-C	5.52	120.83	109.34
2	5R	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
1	5U	168	GLN	N-CA-C	5.52	122.56	110.80
1	52	111	ILE	N-CA-C	5.52	120.83	109.34
1	56	111	ILE	N-CA-C	5.52	120.83	109.34
1	6A	111	ILE	N-CA-C	5.52	120.83	109.34
2	6J	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
1	6M	168	GLN	N-CA-C	5.52	122.56	110.80
2	6R	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
1	6U	168	GLN	N-CA-C	5.52	122.56	110.80
1	7E	168	GLN	N-CA-C	5.52	122.56	110.80
2	7N	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
1	7Q	168	GLN	N-CA-C	5.52	122.56	110.80
2	1R	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
2	1V	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
2	1Z	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
2	2R	4	GLU	CG-CD-OE1	-5.52	105.70	118.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
2	2Z	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
2	43	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
2	47	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
2	5B	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
2	53	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
2	57	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
2	6B	4	GLU	CG-CD-OE1	-5.52	105.70	118.40
1	1M	28	GLY	CA-C-N	5.52	132.08	121.54
1	1M	28	GLY	C-N-CA	5.52	132.08	121.54
1	2I	28	GLY	CA-C-N	5.52	132.08	121.54
1	2I	28	GLY	C-N-CA	5.52	132.08	121.54
1	3A	28	GLY	CA-C-N	5.52	132.08	121.54
1	3A	28	GLY	C-N-CA	5.52	132.08	121.54
1	3I	28	GLY	CA-C-N	5.52	132.08	121.54
1	3I	28	GLY	C-N-CA	5.52	132.08	121.54
1	32	28	GLY	CA-C-N	5.52	132.08	121.54
1	32	28	GLY	C-N-CA	5.52	132.08	121.54
1	4E	28	GLY	CA-C-N	5.52	132.08	121.54
1	4E	28	GLY	C-N-CA	5.52	132.08	121.54
1	4Y	28	GLY	CA-C-N	5.52	132.08	121.54
1	4Y	28	GLY	C-N-CA	5.52	132.08	121.54
1	5U	28	GLY	CA-C-N	5.52	132.08	121.54
1	5U	28	GLY	C-N-CA	5.52	132.08	121.54
1	6M	28	GLY	CA-C-N	5.52	132.08	121.54
1	6M	28	GLY	C-N-CA	5.52	132.08	121.54
1	6U	28	GLY	CA-C-N	5.52	132.08	121.54
1	6U	28	GLY	C-N-CA	5.52	132.08	121.54
1	7E	28	GLY	CA-C-N	5.52	132.08	121.54
1	7E	28	GLY	C-N-CA	5.52	132.08	121.54
1	7Q	28	GLY	CA-C-N	5.52	132.08	121.54
1	7Q	28	GLY	C-N-CA	5.52	132.08	121.54
1	1E	168	GLN	OE1-CD-NE2	-5.52	117.08	122.60
1	2M	168	GLN	OE1-CD-NE2	-5.52	117.08	122.60
1	22	168	GLN	OE1-CD-NE2	-5.52	117.08	122.60
1	3M	168	GLN	OE1-CD-NE2	-5.52	117.08	122.60
1	36	168	GLN	OE1-CD-NE2	-5.52	117.08	122.60
1	4I	168	GLN	OE1-CD-NE2	-5.52	117.08	122.60
1	4Q	168	GLN	OE1-CD-NE2	-5.52	117.08	122.60
1	5Y	168	GLN	OE1-CD-NE2	-5.52	117.08	122.60
1	6E	168	GLN	OE1-CD-NE2	-5.52	117.08	122.60
1	6Y	168	GLN	OE1-CD-NE2	-5.52	117.08	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	168	GLN	OE1-CD-NE2	-5.52	117.08	122.60
1	7U	168	GLN	OE1-CD-NE2	-5.52	117.08	122.60
3	14	30	HIS	CB-CG-CD2	-5.51	124.03	131.20
3	18	30	HIS	CB-CG-CD2	-5.51	124.03	131.20
3	2C	30	HIS	CB-CG-CD2	-5.51	124.03	131.20
3	3S	30	HIS	CB-CG-CD2	-5.51	124.03	131.20
3	3W	30	HIS	CB-CG-CD2	-5.51	124.03	131.20
3	30	30	HIS	CB-CG-CD2	-5.51	124.03	131.20
3	5G	30	HIS	CB-CG-CD2	-5.51	124.03	131.20
3	5K	30	HIS	CB-CG-CD2	-5.51	124.03	131.20
3	5O	30	HIS	CB-CG-CD2	-5.51	124.03	131.20
3	64	30	HIS	CB-CG-CD2	-5.51	124.03	131.20
3	68	30	HIS	CB-CG-CD2	-5.51	124.03	131.20
3	7C	30	HIS	CB-CG-CD2	-5.51	124.03	131.20
2	1B	225	ASN	N-CA-CB	-5.51	101.17	110.49
2	1F	226	ILE	CA-C-O	5.51	127.67	120.78
2	1J	225	ASN	N-CA-CB	-5.51	101.17	110.49
2	2F	225	ASN	N-CA-CB	-5.51	101.17	110.49
2	2N	226	ILE	CA-C-O	5.51	127.67	120.78
2	23	226	ILE	CA-C-O	5.51	127.67	120.78
2	27	225	ASN	N-CA-CB	-5.51	101.17	110.49
2	3F	225	ASN	N-CA-CB	-5.51	101.17	110.49
2	3N	226	ILE	CA-C-O	5.51	127.67	120.78
2	37	226	ILE	CA-C-O	5.51	127.67	120.78
2	4B	225	ASN	N-CA-CB	-5.51	101.17	110.49
2	4J	226	ILE	CA-C-O	5.51	127.67	120.78
2	4N	225	ASN	N-CA-CB	-5.51	101.17	110.49
2	4R	226	ILE	CA-C-O	5.51	127.67	120.78
2	4V	225	ASN	N-CA-CB	-5.51	101.17	110.49
2	5R	225	ASN	N-CA-CB	-5.51	101.17	110.49
2	5Z	226	ILE	CA-C-O	5.51	127.67	120.78
2	6F	226	ILE	CA-C-O	5.51	127.67	120.78
2	6J	225	ASN	N-CA-CB	-5.51	101.17	110.49
2	6R	225	ASN	N-CA-CB	-5.51	101.17	110.49
2	6Z	226	ILE	CA-C-O	5.51	127.67	120.78
2	7J	226	ILE	CA-C-O	5.51	127.67	120.78
2	7N	225	ASN	N-CA-CB	-5.51	101.17	110.49
2	7V	226	ILE	CA-C-O	5.51	127.67	120.78
1	1Q	168	GLN	OE1-CD-NE2	-5.51	117.09	122.60
1	1U	168	GLN	OE1-CD-NE2	-5.51	117.09	122.60
1	1Y	168	GLN	OE1-CD-NE2	-5.51	117.09	122.60
1	2Q	168	GLN	OE1-CD-NE2	-5.51	117.09	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	168	GLN	OE1-CD-NE2	-5.51	117.09	122.60
1	2Y	168	GLN	OE1-CD-NE2	-5.51	117.09	122.60
1	42	168	GLN	OE1-CD-NE2	-5.51	117.09	122.60
1	46	168	GLN	OE1-CD-NE2	-5.51	117.09	122.60
1	5A	168	GLN	OE1-CD-NE2	-5.51	117.09	122.60
1	52	168	GLN	OE1-CD-NE2	-5.51	117.09	122.60
1	56	168	GLN	OE1-CD-NE2	-5.51	117.09	122.60
1	6A	168	GLN	OE1-CD-NE2	-5.51	117.09	122.60
2	1R	226	ILE	CA-C-O	5.51	127.67	120.78
2	1V	226	ILE	CA-C-O	5.51	127.67	120.78
2	1Z	226	ILE	CA-C-O	5.51	127.67	120.78
1	12	111	ILE	N-CA-C	5.51	120.80	109.34
1	16	111	ILE	N-CA-C	5.51	120.80	109.34
1	2A	111	ILE	N-CA-C	5.51	120.80	109.34
2	2R	226	ILE	CA-C-O	5.51	127.67	120.78
2	2V	226	ILE	CA-C-O	5.51	127.67	120.78
2	2Z	226	ILE	CA-C-O	5.51	127.67	120.78
1	3Q	111	ILE	N-CA-C	5.51	120.80	109.34
1	3U	111	ILE	N-CA-C	5.51	120.80	109.34
1	3Y	111	ILE	N-CA-C	5.51	120.80	109.34
2	43	226	ILE	CA-C-O	5.51	127.67	120.78
2	47	226	ILE	CA-C-O	5.51	127.67	120.78
2	5B	226	ILE	CA-C-O	5.51	127.67	120.78
1	5E	111	ILE	N-CA-C	5.51	120.80	109.34
1	5I	111	ILE	N-CA-C	5.51	120.80	109.34
1	5M	111	ILE	N-CA-C	5.51	120.80	109.34
2	53	226	ILE	CA-C-O	5.51	127.67	120.78
2	57	226	ILE	CA-C-O	5.51	127.67	120.78
2	6B	226	ILE	CA-C-O	5.51	127.67	120.78
1	62	111	ILE	N-CA-C	5.51	120.80	109.34
1	66	111	ILE	N-CA-C	5.51	120.80	109.34
1	7A	111	ILE	N-CA-C	5.51	120.80	109.34
1	1E	168	GLN	N-CA-C	5.51	122.53	110.80
1	2M	168	GLN	N-CA-C	5.51	122.53	110.80
1	22	168	GLN	N-CA-C	5.51	122.53	110.80
1	3M	168	GLN	N-CA-C	5.51	122.53	110.80
1	36	168	GLN	N-CA-C	5.51	122.53	110.80
1	4I	168	GLN	N-CA-C	5.51	122.53	110.80
1	4Q	168	GLN	N-CA-C	5.51	122.53	110.80
1	5Y	168	GLN	N-CA-C	5.51	122.53	110.80
1	6E	168	GLN	N-CA-C	5.51	122.53	110.80
1	6Y	168	GLN	N-CA-C	5.51	122.53	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	168	GLN	N-CA-C	5.51	122.53	110.80
1	7U	168	GLN	N-CA-C	5.51	122.53	110.80
1	1A	111	ILE	N-CA-C	5.50	120.79	109.34
1	1I	111	ILE	N-CA-C	5.50	120.79	109.34
1	1M	111	ILE	N-CA-C	5.50	120.79	109.34
1	2E	111	ILE	N-CA-C	5.50	120.79	109.34
1	2I	111	ILE	N-CA-C	5.50	120.79	109.34
1	26	111	ILE	N-CA-C	5.50	120.79	109.34
1	3A	111	ILE	N-CA-C	5.50	120.79	109.34
1	3E	111	ILE	N-CA-C	5.50	120.79	109.34
1	3I	111	ILE	N-CA-C	5.50	120.79	109.34
1	32	111	ILE	N-CA-C	5.50	120.79	109.34
1	4A	111	ILE	N-CA-C	5.50	120.79	109.34
1	4E	111	ILE	N-CA-C	5.50	120.79	109.34
1	4M	111	ILE	N-CA-C	5.50	120.79	109.34
1	4U	111	ILE	N-CA-C	5.50	120.79	109.34
1	4Y	111	ILE	N-CA-C	5.50	120.79	109.34
1	5Q	111	ILE	N-CA-C	5.50	120.79	109.34
1	5U	111	ILE	N-CA-C	5.50	120.79	109.34
1	6I	111	ILE	N-CA-C	5.50	120.79	109.34
1	6M	111	ILE	N-CA-C	5.50	120.79	109.34
1	6Q	111	ILE	N-CA-C	5.50	120.79	109.34
1	6U	111	ILE	N-CA-C	5.50	120.79	109.34
1	7E	111	ILE	N-CA-C	5.50	120.79	109.34
1	7M	111	ILE	N-CA-C	5.50	120.79	109.34
1	7Q	111	ILE	N-CA-C	5.50	120.79	109.34
2	1N	26	ALA	CB-CA-C	5.50	116.80	109.65
2	2J	26	ALA	CB-CA-C	5.50	116.80	109.65
2	3B	26	ALA	CB-CA-C	5.50	116.80	109.65
2	3J	26	ALA	CB-CA-C	5.50	116.80	109.65
2	33	26	ALA	CB-CA-C	5.50	116.80	109.65
2	4F	26	ALA	CB-CA-C	5.50	116.80	109.65
2	4Z	26	ALA	CB-CA-C	5.50	116.80	109.65
2	5V	26	ALA	CB-CA-C	5.50	116.80	109.65
2	6N	26	ALA	CB-CA-C	5.50	116.80	109.65
2	6V	26	ALA	CB-CA-C	5.50	116.80	109.65
2	7F	26	ALA	CB-CA-C	5.50	116.80	109.65
2	7R	26	ALA	CB-CA-C	5.50	116.80	109.65
2	1R	225	ASN	N-CA-CB	-5.50	101.19	110.49
2	1V	225	ASN	N-CA-CB	-5.50	101.19	110.49
2	1Z	225	ASN	N-CA-CB	-5.50	101.19	110.49
2	2R	225	ASN	N-CA-CB	-5.50	101.19	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	225	ASN	N-CA-CB	-5.50	101.19	110.49
2	2Z	225	ASN	N-CA-CB	-5.50	101.19	110.49
2	43	225	ASN	N-CA-CB	-5.50	101.19	110.49
2	47	225	ASN	N-CA-CB	-5.50	101.19	110.49
2	5B	225	ASN	N-CA-CB	-5.50	101.19	110.49
2	53	225	ASN	N-CA-CB	-5.50	101.19	110.49
2	57	225	ASN	N-CA-CB	-5.50	101.19	110.49
2	6B	225	ASN	N-CA-CB	-5.50	101.19	110.49
2	1R	59	VAL	CA-CB-CG1	5.50	119.75	110.40
2	1V	59	VAL	CA-CB-CG1	5.50	119.75	110.40
2	1Z	59	VAL	CA-CB-CG1	5.50	119.75	110.40
1	12	168	GLN	N-CA-C	5.50	122.51	110.80
2	13	24	PRO	CA-CB-CG	5.50	114.95	104.50
1	16	168	GLN	N-CA-C	5.50	122.51	110.80
2	17	24	PRO	CA-CB-CG	5.50	114.95	104.50
1	2A	168	GLN	N-CA-C	5.50	122.51	110.80
2	2B	24	PRO	CA-CB-CG	5.50	114.95	104.50
2	2R	59	VAL	CA-CB-CG1	5.50	119.75	110.40
2	2V	59	VAL	CA-CB-CG1	5.50	119.75	110.40
2	2Z	59	VAL	CA-CB-CG1	5.50	119.75	110.40
1	3Q	168	GLN	N-CA-C	5.50	122.51	110.80
2	3R	24	PRO	CA-CB-CG	5.50	114.95	104.50
1	3U	168	GLN	N-CA-C	5.50	122.51	110.80
2	3V	24	PRO	CA-CB-CG	5.50	114.95	104.50
1	3Y	168	GLN	N-CA-C	5.50	122.51	110.80
2	3Z	24	PRO	CA-CB-CG	5.50	114.95	104.50
2	43	59	VAL	CA-CB-CG1	5.50	119.75	110.40
2	47	59	VAL	CA-CB-CG1	5.50	119.75	110.40
2	5B	59	VAL	CA-CB-CG1	5.50	119.75	110.40
1	5E	168	GLN	N-CA-C	5.50	122.51	110.80
2	5F	24	PRO	CA-CB-CG	5.50	114.95	104.50
1	5I	168	GLN	N-CA-C	5.50	122.51	110.80
2	5J	24	PRO	CA-CB-CG	5.50	114.95	104.50
1	5M	168	GLN	N-CA-C	5.50	122.51	110.80
2	5N	24	PRO	CA-CB-CG	5.50	114.95	104.50
2	53	59	VAL	CA-CB-CG1	5.50	119.75	110.40
2	57	59	VAL	CA-CB-CG1	5.50	119.75	110.40
2	6B	59	VAL	CA-CB-CG1	5.50	119.75	110.40
1	62	168	GLN	N-CA-C	5.50	122.51	110.80
2	63	24	PRO	CA-CB-CG	5.50	114.95	104.50
1	66	168	GLN	N-CA-C	5.50	122.51	110.80
2	67	24	PRO	CA-CB-CG	5.50	114.95	104.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7A	168	GLN	N-CA-C	5.50	122.51	110.80
2	7B	24	PRO	CA-CB-CG	5.50	114.95	104.50
2	13	225	ASN	N-CA-CB	-5.50	101.20	110.49
2	17	225	ASN	N-CA-CB	-5.50	101.20	110.49
2	2B	225	ASN	N-CA-CB	-5.50	101.20	110.49
2	3R	225	ASN	N-CA-CB	-5.50	101.20	110.49
2	3V	225	ASN	N-CA-CB	-5.50	101.20	110.49
2	3Z	225	ASN	N-CA-CB	-5.50	101.20	110.49
2	5F	225	ASN	N-CA-CB	-5.50	101.20	110.49
2	5J	225	ASN	N-CA-CB	-5.50	101.20	110.49
2	5N	225	ASN	N-CA-CB	-5.50	101.20	110.49
2	63	225	ASN	N-CA-CB	-5.50	101.20	110.49
2	67	225	ASN	N-CA-CB	-5.50	101.20	110.49
2	7B	225	ASN	N-CA-CB	-5.50	101.20	110.49
2	13	59	VAL	CA-CB-CG1	5.49	119.74	110.40
2	17	59	VAL	CA-CB-CG1	5.49	119.74	110.40
2	2B	59	VAL	CA-CB-CG1	5.49	119.74	110.40
2	3R	59	VAL	CA-CB-CG1	5.49	119.74	110.40
2	3V	59	VAL	CA-CB-CG1	5.49	119.74	110.40
2	3Z	59	VAL	CA-CB-CG1	5.49	119.74	110.40
2	5F	59	VAL	CA-CB-CG1	5.49	119.74	110.40
2	5J	59	VAL	CA-CB-CG1	5.49	119.74	110.40
2	5N	59	VAL	CA-CB-CG1	5.49	119.74	110.40
2	63	59	VAL	CA-CB-CG1	5.49	119.74	110.40
2	67	59	VAL	CA-CB-CG1	5.49	119.74	110.40
2	7B	59	VAL	CA-CB-CG1	5.49	119.74	110.40
2	1N	35	PHE	CD1-CG-CD2	5.49	126.84	118.60
2	2J	35	PHE	CD1-CG-CD2	5.49	126.84	118.60
2	3B	35	PHE	CD1-CG-CD2	5.49	126.84	118.60
2	3J	35	PHE	CD1-CG-CD2	5.49	126.84	118.60
2	33	35	PHE	CD1-CG-CD2	5.49	126.84	118.60
2	4F	35	PHE	CD1-CG-CD2	5.49	126.84	118.60
2	4Z	35	PHE	CD1-CG-CD2	5.49	126.84	118.60
2	5V	35	PHE	CD1-CG-CD2	5.49	126.84	118.60
2	6N	35	PHE	CD1-CG-CD2	5.49	126.84	118.60
2	6V	35	PHE	CD1-CG-CD2	5.49	126.84	118.60
2	7F	35	PHE	CD1-CG-CD2	5.49	126.84	118.60
2	7R	35	PHE	CD1-CG-CD2	5.49	126.84	118.60
2	1F	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	1N	78	HIS	N-CA-C	5.49	120.11	113.41
2	2J	78	HIS	N-CA-C	5.49	120.11	113.41
2	2N	35	PHE	CD1-CG-CD2	5.49	126.83	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	3B	78	HIS	N-CA-C	5.49	120.11	113.41
2	3J	78	HIS	N-CA-C	5.49	120.11	113.41
2	3N	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	33	78	HIS	N-CA-C	5.49	120.11	113.41
2	37	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	4F	78	HIS	N-CA-C	5.49	120.11	113.41
2	4J	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	4R	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	4Z	78	HIS	N-CA-C	5.49	120.11	113.41
2	5V	78	HIS	N-CA-C	5.49	120.11	113.41
2	5Z	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	6F	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	6N	78	HIS	N-CA-C	5.49	120.11	113.41
2	6V	78	HIS	N-CA-C	5.49	120.11	113.41
2	6Z	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	7F	78	HIS	N-CA-C	5.49	120.11	113.41
2	7J	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	7R	78	HIS	N-CA-C	5.49	120.11	113.41
2	7V	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
1	1E	110	ASP	N-CA-C	5.49	119.96	113.16
1	2M	110	ASP	N-CA-C	5.49	119.96	113.16
1	22	110	ASP	N-CA-C	5.49	119.96	113.16
1	3M	110	ASP	N-CA-C	5.49	119.96	113.16
1	36	110	ASP	N-CA-C	5.49	119.96	113.16
1	4I	110	ASP	N-CA-C	5.49	119.96	113.16
1	4Q	110	ASP	N-CA-C	5.49	119.96	113.16
1	5Y	110	ASP	N-CA-C	5.49	119.96	113.16
1	6E	110	ASP	N-CA-C	5.49	119.96	113.16
1	6Y	110	ASP	N-CA-C	5.49	119.96	113.16
1	7I	110	ASP	N-CA-C	5.49	119.96	113.16
1	7U	110	ASP	N-CA-C	5.49	119.96	113.16
2	13	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	17	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	2B	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	3R	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	3V	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	3Z	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	5F	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	5J	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	5N	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	63	35	PHE	CD1-CG-CD2	5.49	126.83	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	7B	35	PHE	CD1-CG-CD2	5.49	126.83	118.60
2	1N	226	ILE	CA-C-O	5.48	127.64	120.78
2	2J	226	ILE	CA-C-O	5.48	127.64	120.78
2	3B	226	ILE	CA-C-O	5.48	127.64	120.78
2	3J	226	ILE	CA-C-O	5.48	127.64	120.78
2	33	226	ILE	CA-C-O	5.48	127.64	120.78
2	4F	226	ILE	CA-C-O	5.48	127.64	120.78
2	4Z	226	ILE	CA-C-O	5.48	127.64	120.78
2	5V	226	ILE	CA-C-O	5.48	127.64	120.78
2	6N	226	ILE	CA-C-O	5.48	127.64	120.78
2	6V	226	ILE	CA-C-O	5.48	127.64	120.78
2	7F	226	ILE	CA-C-O	5.48	127.64	120.78
2	7R	226	ILE	CA-C-O	5.48	127.64	120.78
1	1E	111	ILE	N-CA-C	5.48	120.74	109.34
2	1N	59	VAL	CA-CB-CG1	5.48	119.72	110.40
2	1R	78	HIS	N-CA-C	5.48	120.10	113.41
2	1V	78	HIS	N-CA-C	5.48	120.10	113.41
2	1Z	78	HIS	N-CA-C	5.48	120.10	113.41
2	2J	59	VAL	CA-CB-CG1	5.48	119.72	110.40
1	2M	111	ILE	N-CA-C	5.48	120.74	109.34
2	2R	78	HIS	N-CA-C	5.48	120.10	113.41
2	2V	78	HIS	N-CA-C	5.48	120.10	113.41
2	2Z	78	HIS	N-CA-C	5.48	120.10	113.41
1	22	111	ILE	N-CA-C	5.48	120.74	109.34
2	3B	59	VAL	CA-CB-CG1	5.48	119.72	110.40
2	3J	59	VAL	CA-CB-CG1	5.48	119.72	110.40
1	3M	111	ILE	N-CA-C	5.48	120.74	109.34
2	33	59	VAL	CA-CB-CG1	5.48	119.72	110.40
1	36	111	ILE	N-CA-C	5.48	120.74	109.34
2	4F	59	VAL	CA-CB-CG1	5.48	119.72	110.40
1	4I	111	ILE	N-CA-C	5.48	120.74	109.34
1	4Q	111	ILE	N-CA-C	5.48	120.74	109.34
2	4Z	59	VAL	CA-CB-CG1	5.48	119.72	110.40
2	43	78	HIS	N-CA-C	5.48	120.10	113.41
2	47	78	HIS	N-CA-C	5.48	120.10	113.41
2	5B	78	HIS	N-CA-C	5.48	120.10	113.41
2	5V	59	VAL	CA-CB-CG1	5.48	119.72	110.40
1	5Y	111	ILE	N-CA-C	5.48	120.74	109.34
2	53	78	HIS	N-CA-C	5.48	120.10	113.41
2	57	78	HIS	N-CA-C	5.48	120.10	113.41
2	6B	78	HIS	N-CA-C	5.48	120.10	113.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6E	111	ILE	N-CA-C	5.48	120.74	109.34
2	6N	59	VAL	CA-CB-CG1	5.48	119.72	110.40
2	6V	59	VAL	CA-CB-CG1	5.48	119.72	110.40
1	6Y	111	ILE	N-CA-C	5.48	120.74	109.34
2	7F	59	VAL	CA-CB-CG1	5.48	119.72	110.40
1	7I	111	ILE	N-CA-C	5.48	120.74	109.34
2	7R	59	VAL	CA-CB-CG1	5.48	119.72	110.40
1	7U	111	ILE	N-CA-C	5.48	120.74	109.34
2	1F	59	VAL	CA-CB-CG1	5.48	119.72	110.40
3	1S	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	1W	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	10	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
2	13	78	HIS	N-CA-C	5.48	120.10	113.41
2	17	78	HIS	N-CA-C	5.48	120.10	113.41
2	2B	78	HIS	N-CA-C	5.48	120.10	113.41
2	2N	59	VAL	CA-CB-CG1	5.48	119.72	110.40
3	2S	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	2W	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	20	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
2	23	59	VAL	CA-CB-CG1	5.48	119.72	110.40
2	3N	59	VAL	CA-CB-CG1	5.48	119.72	110.40
2	3R	78	HIS	N-CA-C	5.48	120.10	113.41
2	3V	78	HIS	N-CA-C	5.48	120.10	113.41
2	3Z	78	HIS	N-CA-C	5.48	120.10	113.41
2	37	59	VAL	CA-CB-CG1	5.48	119.72	110.40
2	4J	59	VAL	CA-CB-CG1	5.48	119.72	110.40
2	4R	59	VAL	CA-CB-CG1	5.48	119.72	110.40
3	44	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	48	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	5C	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
2	5F	78	HIS	N-CA-C	5.48	120.10	113.41
2	5J	78	HIS	N-CA-C	5.48	120.10	113.41
2	5N	78	HIS	N-CA-C	5.48	120.10	113.41
2	5Z	59	VAL	CA-CB-CG1	5.48	119.72	110.40
3	54	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	58	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	6C	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
2	6F	59	VAL	CA-CB-CG1	5.48	119.72	110.40
2	6Z	59	VAL	CA-CB-CG1	5.48	119.72	110.40
2	63	78	HIS	N-CA-C	5.48	120.10	113.41
2	67	78	HIS	N-CA-C	5.48	120.10	113.41
2	7B	78	HIS	N-CA-C	5.48	120.10	113.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	59	VAL	CA-CB-CG1	5.48	119.72	110.40
2	7V	59	VAL	CA-CB-CG1	5.48	119.72	110.40
2	1B	226	ILE	CA-C-O	5.48	127.63	120.78
2	1J	226	ILE	CA-C-O	5.48	127.63	120.78
2	2F	226	ILE	CA-C-O	5.48	127.63	120.78
2	27	226	ILE	CA-C-O	5.48	127.63	120.78
2	3F	226	ILE	CA-C-O	5.48	127.63	120.78
2	4B	226	ILE	CA-C-O	5.48	127.63	120.78
2	4N	226	ILE	CA-C-O	5.48	127.63	120.78
2	4V	226	ILE	CA-C-O	5.48	127.63	120.78
2	5R	226	ILE	CA-C-O	5.48	127.63	120.78
2	6J	226	ILE	CA-C-O	5.48	127.63	120.78
2	6R	226	ILE	CA-C-O	5.48	127.63	120.78
2	7N	226	ILE	CA-C-O	5.48	127.63	120.78
2	1B	35	PHE	CD1-CG-CD2	5.48	126.82	118.60
1	1E	117	PHE	CA-CB-CG	-5.48	108.32	113.80
2	1J	35	PHE	CD1-CG-CD2	5.48	126.82	118.60
2	2F	35	PHE	CD1-CG-CD2	5.48	126.82	118.60
1	2M	117	PHE	CA-CB-CG	-5.48	108.32	113.80
1	22	117	PHE	CA-CB-CG	-5.48	108.32	113.80
2	27	35	PHE	CD1-CG-CD2	5.48	126.82	118.60
2	3F	35	PHE	CD1-CG-CD2	5.48	126.82	118.60
1	3M	117	PHE	CA-CB-CG	-5.48	108.32	113.80
1	36	117	PHE	CA-CB-CG	-5.48	108.32	113.80
2	4B	35	PHE	CD1-CG-CD2	5.48	126.82	118.60
1	4I	117	PHE	CA-CB-CG	-5.48	108.32	113.80
2	4N	35	PHE	CD1-CG-CD2	5.48	126.82	118.60
1	4Q	117	PHE	CA-CB-CG	-5.48	108.32	113.80
2	4V	35	PHE	CD1-CG-CD2	5.48	126.82	118.60
2	5R	35	PHE	CD1-CG-CD2	5.48	126.82	118.60
1	5Y	117	PHE	CA-CB-CG	-5.48	108.32	113.80
1	6E	117	PHE	CA-CB-CG	-5.48	108.32	113.80
2	6J	35	PHE	CD1-CG-CD2	5.48	126.82	118.60
2	6R	35	PHE	CD1-CG-CD2	5.48	126.82	118.60
1	6Y	117	PHE	CA-CB-CG	-5.48	108.32	113.80
1	7I	117	PHE	CA-CB-CG	-5.48	108.32	113.80
2	7N	35	PHE	CD1-CG-CD2	5.48	126.82	118.60
1	7U	117	PHE	CA-CB-CG	-5.48	108.32	113.80
3	1C	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	1K	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	2G	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	28	30	HIS	CB-CG-CD2	-5.48	124.08	131.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	3G	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	4C	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	4O	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	4W	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	5S	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	6K	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	6S	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
3	7O	30	HIS	CB-CG-CD2	-5.48	124.08	131.20
2	1B	59	VAL	CA-CB-CG1	5.47	119.71	110.40
2	1J	59	VAL	CA-CB-CG1	5.47	119.71	110.40
2	2F	59	VAL	CA-CB-CG1	5.47	119.71	110.40
2	27	59	VAL	CA-CB-CG1	5.47	119.71	110.40
2	3F	59	VAL	CA-CB-CG1	5.47	119.71	110.40
2	4B	59	VAL	CA-CB-CG1	5.47	119.71	110.40
2	4N	59	VAL	CA-CB-CG1	5.47	119.71	110.40
2	4V	59	VAL	CA-CB-CG1	5.47	119.71	110.40
2	5R	59	VAL	CA-CB-CG1	5.47	119.71	110.40
2	6J	59	VAL	CA-CB-CG1	5.47	119.71	110.40
2	6R	59	VAL	CA-CB-CG1	5.47	119.71	110.40
2	7N	59	VAL	CA-CB-CG1	5.47	119.71	110.40
2	1B	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	1J	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	1N	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	1R	35	PHE	CD1-CG-CD2	5.47	126.81	118.60
2	1V	35	PHE	CD1-CG-CD2	5.47	126.81	118.60
2	1Z	35	PHE	CD1-CG-CD2	5.47	126.81	118.60
2	2F	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	2J	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	2R	35	PHE	CD1-CG-CD2	5.47	126.81	118.60
2	2V	35	PHE	CD1-CG-CD2	5.47	126.81	118.60
2	2Z	35	PHE	CD1-CG-CD2	5.47	126.81	118.60
2	27	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	3B	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	3F	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	3J	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	33	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	4B	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	4F	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	4N	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	4V	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	4Z	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	43	35	PHE	CD1-CG-CD2	5.47	126.81	118.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	47	35	PHE	CD1-CG-CD2	5.47	126.81	118.60
2	5B	35	PHE	CD1-CG-CD2	5.47	126.81	118.60
2	5R	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	5V	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	53	35	PHE	CD1-CG-CD2	5.47	126.81	118.60
2	57	35	PHE	CD1-CG-CD2	5.47	126.81	118.60
2	6B	35	PHE	CD1-CG-CD2	5.47	126.81	118.60
2	6J	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	6N	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	6R	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	6V	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	7F	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	7N	24	PRO	CA-CB-CG	5.47	114.90	104.50
2	7R	24	PRO	CA-CB-CG	5.47	114.90	104.50
1	12	85	LEU	CD1-CG-CD2	5.47	122.84	110.80
1	16	85	LEU	CD1-CG-CD2	5.47	122.84	110.80
1	2A	85	LEU	CD1-CG-CD2	5.47	122.84	110.80
1	3Q	85	LEU	CD1-CG-CD2	5.47	122.84	110.80
1	3U	85	LEU	CD1-CG-CD2	5.47	122.84	110.80
1	3Y	85	LEU	CD1-CG-CD2	5.47	122.84	110.80
1	5E	85	LEU	CD1-CG-CD2	5.47	122.84	110.80
1	5I	85	LEU	CD1-CG-CD2	5.47	122.84	110.80
1	5M	85	LEU	CD1-CG-CD2	5.47	122.84	110.80
1	62	85	LEU	CD1-CG-CD2	5.47	122.84	110.80
1	66	85	LEU	CD1-CG-CD2	5.47	122.84	110.80
1	7A	85	LEU	CD1-CG-CD2	5.47	122.84	110.80
2	1F	78	HIS	N-CA-C	5.47	120.08	113.41
2	2N	78	HIS	N-CA-C	5.47	120.08	113.41
2	23	78	HIS	N-CA-C	5.47	120.08	113.41
2	3N	78	HIS	N-CA-C	5.47	120.08	113.41
2	37	78	HIS	N-CA-C	5.47	120.08	113.41
2	4J	78	HIS	N-CA-C	5.47	120.08	113.41
2	4R	78	HIS	N-CA-C	5.47	120.08	113.41
2	5Z	78	HIS	N-CA-C	5.47	120.08	113.41
2	6F	78	HIS	N-CA-C	5.47	120.08	113.41
2	6Z	78	HIS	N-CA-C	5.47	120.08	113.41
2	7J	78	HIS	N-CA-C	5.47	120.08	113.41
2	7V	78	HIS	N-CA-C	5.47	120.08	113.41
3	1O	30	HIS	CB-CG-CD2	-5.47	124.09	131.20
3	2K	30	HIS	CB-CG-CD2	-5.47	124.09	131.20
3	3C	30	HIS	CB-CG-CD2	-5.47	124.09	131.20
3	3K	30	HIS	CB-CG-CD2	-5.47	124.09	131.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	34	30	HIS	CB-CG-CD2	-5.47	124.09	131.20
3	4G	30	HIS	CB-CG-CD2	-5.47	124.09	131.20
3	40	30	HIS	CB-CG-CD2	-5.47	124.09	131.20
3	5W	30	HIS	CB-CG-CD2	-5.47	124.09	131.20
3	6O	30	HIS	CB-CG-CD2	-5.47	124.09	131.20
3	6W	30	HIS	CB-CG-CD2	-5.47	124.09	131.20
3	7G	30	HIS	CB-CG-CD2	-5.47	124.09	131.20
3	7S	30	HIS	CB-CG-CD2	-5.47	124.09	131.20
1	1A	110	ASP	N-CA-C	5.47	119.94	113.16
1	1I	110	ASP	N-CA-C	5.47	119.94	113.16
2	1R	217	PRO	N-CD-CG	5.47	111.40	103.20
2	1V	217	PRO	N-CD-CG	5.47	111.40	103.20
2	1Z	217	PRO	N-CD-CG	5.47	111.40	103.20
1	2E	110	ASP	N-CA-C	5.47	119.94	113.16
2	2R	217	PRO	N-CD-CG	5.47	111.40	103.20
2	2V	217	PRO	N-CD-CG	5.47	111.40	103.20
2	2Z	217	PRO	N-CD-CG	5.47	111.40	103.20
1	26	110	ASP	N-CA-C	5.47	119.94	113.16
1	3E	110	ASP	N-CA-C	5.47	119.94	113.16
1	4A	110	ASP	N-CA-C	5.47	119.94	113.16
1	4M	110	ASP	N-CA-C	5.47	119.94	113.16
1	4U	110	ASP	N-CA-C	5.47	119.94	113.16
2	43	217	PRO	N-CD-CG	5.47	111.40	103.20
2	47	217	PRO	N-CD-CG	5.47	111.40	103.20
2	5B	217	PRO	N-CD-CG	5.47	111.40	103.20
1	5Q	110	ASP	N-CA-C	5.47	119.94	113.16
2	53	217	PRO	N-CD-CG	5.47	111.40	103.20
2	57	217	PRO	N-CD-CG	5.47	111.40	103.20
2	6B	217	PRO	N-CD-CG	5.47	111.40	103.20
1	6I	110	ASP	N-CA-C	5.47	119.94	113.16
1	6Q	110	ASP	N-CA-C	5.47	119.94	113.16
1	7M	110	ASP	N-CA-C	5.47	119.94	113.16
2	1B	78	HIS	N-CA-C	5.46	120.08	113.41
2	1F	24	PRO	CA-CB-CG	5.46	114.88	104.50
2	1J	78	HIS	N-CA-C	5.46	120.08	113.41
2	2F	78	HIS	N-CA-C	5.46	120.08	113.41
2	2N	24	PRO	CA-CB-CG	5.46	114.88	104.50
2	23	24	PRO	CA-CB-CG	5.46	114.88	104.50
2	27	78	HIS	N-CA-C	5.46	120.08	113.41
2	3F	78	HIS	N-CA-C	5.46	120.08	113.41
2	3N	24	PRO	CA-CB-CG	5.46	114.88	104.50
2	37	24	PRO	CA-CB-CG	5.46	114.88	104.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4B	78	HIS	N-CA-C	5.46	120.08	113.41
2	4J	24	PRO	CA-CB-CG	5.46	114.88	104.50
2	4N	78	HIS	N-CA-C	5.46	120.08	113.41
2	4R	24	PRO	CA-CB-CG	5.46	114.88	104.50
2	4V	78	HIS	N-CA-C	5.46	120.08	113.41
2	5R	78	HIS	N-CA-C	5.46	120.08	113.41
2	5Z	24	PRO	CA-CB-CG	5.46	114.88	104.50
2	6F	24	PRO	CA-CB-CG	5.46	114.88	104.50
2	6J	78	HIS	N-CA-C	5.46	120.08	113.41
2	6R	78	HIS	N-CA-C	5.46	120.08	113.41
2	6Z	24	PRO	CA-CB-CG	5.46	114.88	104.50
2	7J	24	PRO	CA-CB-CG	5.46	114.88	104.50
2	7N	78	HIS	N-CA-C	5.46	120.08	113.41
2	7V	24	PRO	CA-CB-CG	5.46	114.88	104.50
2	1F	217	PRO	N-CD-CG	5.46	111.39	103.20
2	2N	217	PRO	N-CD-CG	5.46	111.39	103.20
2	23	217	PRO	N-CD-CG	5.46	111.39	103.20
2	3N	217	PRO	N-CD-CG	5.46	111.39	103.20
2	37	217	PRO	N-CD-CG	5.46	111.39	103.20
2	4J	217	PRO	N-CD-CG	5.46	111.39	103.20
2	4R	217	PRO	N-CD-CG	5.46	111.39	103.20
2	5Z	217	PRO	N-CD-CG	5.46	111.39	103.20
2	6F	217	PRO	N-CD-CG	5.46	111.39	103.20
2	6Z	217	PRO	N-CD-CG	5.46	111.39	103.20
2	7J	217	PRO	N-CD-CG	5.46	111.39	103.20
2	7V	217	PRO	N-CD-CG	5.46	111.39	103.20
1	1E	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	2M	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	22	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	3M	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	36	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	4I	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	4Q	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	5Y	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	6E	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	6Y	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	7I	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	7U	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	1A	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	1I	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	1M	117	PHE	CA-CB-CG	-5.46	108.34	113.80
1	1Q	66	ARG	CA-C-N	5.46	131.55	121.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1Q	66	ARG	C-N-CA	5.46	131.55	121.67
1	1U	66	ARG	CA-C-N	5.46	131.55	121.67
1	1U	66	ARG	C-N-CA	5.46	131.55	121.67
1	1Y	66	ARG	CA-C-N	5.46	131.55	121.67
1	1Y	66	ARG	C-N-CA	5.46	131.55	121.67
1	12	110	ASP	N-CA-C	5.46	119.93	113.16
1	16	110	ASP	N-CA-C	5.46	119.93	113.16
1	2A	110	ASP	N-CA-C	5.46	119.93	113.16
1	2E	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	2I	117	PHE	CA-CB-CG	-5.46	108.34	113.80
1	2Q	66	ARG	CA-C-N	5.46	131.55	121.67
1	2Q	66	ARG	C-N-CA	5.46	131.55	121.67
1	2U	66	ARG	CA-C-N	5.46	131.55	121.67
1	2U	66	ARG	C-N-CA	5.46	131.55	121.67
1	2Y	66	ARG	CA-C-N	5.46	131.55	121.67
1	2Y	66	ARG	C-N-CA	5.46	131.55	121.67
1	26	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	3A	117	PHE	CA-CB-CG	-5.46	108.34	113.80
1	3E	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	3I	117	PHE	CA-CB-CG	-5.46	108.34	113.80
1	3Q	110	ASP	N-CA-C	5.46	119.93	113.16
1	3U	110	ASP	N-CA-C	5.46	119.93	113.16
1	3Y	110	ASP	N-CA-C	5.46	119.93	113.16
1	32	117	PHE	CA-CB-CG	-5.46	108.34	113.80
1	4A	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	4E	117	PHE	CA-CB-CG	-5.46	108.34	113.80
1	4M	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	4U	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	4Y	117	PHE	CA-CB-CG	-5.46	108.34	113.80
1	42	66	ARG	CA-C-N	5.46	131.55	121.67
1	42	66	ARG	C-N-CA	5.46	131.55	121.67
1	46	66	ARG	CA-C-N	5.46	131.55	121.67
1	46	66	ARG	C-N-CA	5.46	131.55	121.67
1	5A	66	ARG	CA-C-N	5.46	131.55	121.67
1	5A	66	ARG	C-N-CA	5.46	131.55	121.67
1	5E	110	ASP	N-CA-C	5.46	119.93	113.16
1	5I	110	ASP	N-CA-C	5.46	119.93	113.16
1	5M	110	ASP	N-CA-C	5.46	119.93	113.16
1	5Q	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	5U	117	PHE	CA-CB-CG	-5.46	108.34	113.80
1	52	66	ARG	CA-C-N	5.46	131.55	121.67
1	52	66	ARG	C-N-CA	5.46	131.55	121.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	66	ARG	CA-C-N	5.46	131.55	121.67
1	56	66	ARG	C-N-CA	5.46	131.55	121.67
1	6A	66	ARG	CA-C-N	5.46	131.55	121.67
1	6A	66	ARG	C-N-CA	5.46	131.55	121.67
1	6I	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	6M	117	PHE	CA-CB-CG	-5.46	108.34	113.80
1	6Q	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	6U	117	PHE	CA-CB-CG	-5.46	108.34	113.80
1	62	110	ASP	N-CA-C	5.46	119.93	113.16
1	66	110	ASP	N-CA-C	5.46	119.93	113.16
1	7A	110	ASP	N-CA-C	5.46	119.93	113.16
1	7E	117	PHE	CA-CB-CG	-5.46	108.34	113.80
1	7M	85	LEU	CD1-CG-CD2	5.46	122.81	110.80
1	7Q	117	PHE	CA-CB-CG	-5.46	108.34	113.80
2	1F	81	LEU	O-C-N	-5.46	115.04	121.32
2	1N	217	PRO	N-CD-CG	5.46	111.39	103.20
2	2J	217	PRO	N-CD-CG	5.46	111.39	103.20
2	2N	81	LEU	O-C-N	-5.46	115.04	121.32
2	23	81	LEU	O-C-N	-5.46	115.04	121.32
2	3B	217	PRO	N-CD-CG	5.46	111.39	103.20
2	3J	217	PRO	N-CD-CG	5.46	111.39	103.20
2	3N	81	LEU	O-C-N	-5.46	115.04	121.32
2	33	217	PRO	N-CD-CG	5.46	111.39	103.20
2	37	81	LEU	O-C-N	-5.46	115.04	121.32
2	4F	217	PRO	N-CD-CG	5.46	111.39	103.20
2	4J	81	LEU	O-C-N	-5.46	115.04	121.32
2	4R	81	LEU	O-C-N	-5.46	115.04	121.32
2	4Z	217	PRO	N-CD-CG	5.46	111.39	103.20
2	5V	217	PRO	N-CD-CG	5.46	111.39	103.20
2	5Z	81	LEU	O-C-N	-5.46	115.04	121.32
2	6F	81	LEU	O-C-N	-5.46	115.04	121.32
2	6N	217	PRO	N-CD-CG	5.46	111.39	103.20
2	6V	217	PRO	N-CD-CG	5.46	111.39	103.20
2	6Z	81	LEU	O-C-N	-5.46	115.04	121.32
2	7F	217	PRO	N-CD-CG	5.46	111.39	103.20
2	7J	81	LEU	O-C-N	-5.46	115.04	121.32
2	7R	217	PRO	N-CD-CG	5.46	111.39	103.20
2	7V	81	LEU	O-C-N	-5.46	115.04	121.32
2	1B	217	PRO	N-CD-CG	5.46	111.38	103.20
2	1J	217	PRO	N-CD-CG	5.46	111.38	103.20
2	2F	217	PRO	N-CD-CG	5.46	111.38	103.20
2	27	217	PRO	N-CD-CG	5.46	111.38	103.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	217	PRO	N-CD-CG	5.46	111.38	103.20
2	4B	217	PRO	N-CD-CG	5.46	111.38	103.20
2	4N	217	PRO	N-CD-CG	5.46	111.38	103.20
2	4V	217	PRO	N-CD-CG	5.46	111.38	103.20
2	5R	217	PRO	N-CD-CG	5.46	111.38	103.20
2	6J	217	PRO	N-CD-CG	5.46	111.38	103.20
2	6R	217	PRO	N-CD-CG	5.46	111.38	103.20
2	7N	217	PRO	N-CD-CG	5.46	111.38	103.20
2	1B	41	PHE	N-CA-C	5.45	117.22	111.28
1	1E	66	ARG	CA-C-N	5.45	131.54	121.67
1	1E	66	ARG	C-N-CA	5.45	131.54	121.67
2	1J	41	PHE	N-CA-C	5.45	117.22	111.28
1	12	66	ARG	CA-C-N	5.45	131.54	121.67
1	12	66	ARG	C-N-CA	5.45	131.54	121.67
1	16	66	ARG	CA-C-N	5.45	131.54	121.67
1	16	66	ARG	C-N-CA	5.45	131.54	121.67
1	2A	66	ARG	CA-C-N	5.45	131.54	121.67
1	2A	66	ARG	C-N-CA	5.45	131.54	121.67
2	2F	41	PHE	N-CA-C	5.45	117.22	111.28
1	2M	66	ARG	CA-C-N	5.45	131.54	121.67
1	2M	66	ARG	C-N-CA	5.45	131.54	121.67
1	22	66	ARG	CA-C-N	5.45	131.54	121.67
1	22	66	ARG	C-N-CA	5.45	131.54	121.67
2	27	41	PHE	N-CA-C	5.45	117.22	111.28
2	3F	41	PHE	N-CA-C	5.45	117.22	111.28
1	3M	66	ARG	CA-C-N	5.45	131.54	121.67
1	3M	66	ARG	C-N-CA	5.45	131.54	121.67
1	3Q	66	ARG	CA-C-N	5.45	131.54	121.67
1	3Q	66	ARG	C-N-CA	5.45	131.54	121.67
1	3U	66	ARG	CA-C-N	5.45	131.54	121.67
1	3U	66	ARG	C-N-CA	5.45	131.54	121.67
1	3Y	66	ARG	CA-C-N	5.45	131.54	121.67
1	3Y	66	ARG	C-N-CA	5.45	131.54	121.67
1	36	66	ARG	CA-C-N	5.45	131.54	121.67
1	36	66	ARG	C-N-CA	5.45	131.54	121.67
2	4B	41	PHE	N-CA-C	5.45	117.22	111.28
1	4I	66	ARG	CA-C-N	5.45	131.54	121.67
1	4I	66	ARG	C-N-CA	5.45	131.54	121.67
2	4N	41	PHE	N-CA-C	5.45	117.22	111.28
1	4Q	66	ARG	CA-C-N	5.45	131.54	121.67
1	4Q	66	ARG	C-N-CA	5.45	131.54	121.67
2	4V	41	PHE	N-CA-C	5.45	117.22	111.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5E	66	ARG	CA-C-N	5.45	131.54	121.67
1	5E	66	ARG	C-N-CA	5.45	131.54	121.67
1	5I	66	ARG	CA-C-N	5.45	131.54	121.67
1	5I	66	ARG	C-N-CA	5.45	131.54	121.67
1	5M	66	ARG	CA-C-N	5.45	131.54	121.67
1	5M	66	ARG	C-N-CA	5.45	131.54	121.67
2	5R	41	PHE	N-CA-C	5.45	117.22	111.28
1	5Y	66	ARG	CA-C-N	5.45	131.54	121.67
1	5Y	66	ARG	C-N-CA	5.45	131.54	121.67
1	6E	66	ARG	CA-C-N	5.45	131.54	121.67
1	6E	66	ARG	C-N-CA	5.45	131.54	121.67
2	6J	41	PHE	N-CA-C	5.45	117.22	111.28
2	6R	41	PHE	N-CA-C	5.45	117.22	111.28
1	6Y	66	ARG	CA-C-N	5.45	131.54	121.67
1	6Y	66	ARG	C-N-CA	5.45	131.54	121.67
1	62	66	ARG	CA-C-N	5.45	131.54	121.67
1	62	66	ARG	C-N-CA	5.45	131.54	121.67
1	66	66	ARG	CA-C-N	5.45	131.54	121.67
1	66	66	ARG	C-N-CA	5.45	131.54	121.67
1	7A	66	ARG	CA-C-N	5.45	131.54	121.67
1	7A	66	ARG	C-N-CA	5.45	131.54	121.67
1	7I	66	ARG	CA-C-N	5.45	131.54	121.67
1	7I	66	ARG	C-N-CA	5.45	131.54	121.67
2	7N	41	PHE	N-CA-C	5.45	117.22	111.28
1	7U	66	ARG	CA-C-N	5.45	131.54	121.67
1	7U	66	ARG	C-N-CA	5.45	131.54	121.67
1	1M	36	THR	N-CA-CB	-5.45	101.90	110.30
1	2I	36	THR	N-CA-CB	-5.45	101.90	110.30
1	3A	36	THR	N-CA-CB	-5.45	101.90	110.30
1	3I	36	THR	N-CA-CB	-5.45	101.90	110.30
1	32	36	THR	N-CA-CB	-5.45	101.90	110.30
1	4E	36	THR	N-CA-CB	-5.45	101.90	110.30
1	4Y	36	THR	N-CA-CB	-5.45	101.90	110.30
1	5U	36	THR	N-CA-CB	-5.45	101.90	110.30
1	6M	36	THR	N-CA-CB	-5.45	101.90	110.30
1	6U	36	THR	N-CA-CB	-5.45	101.90	110.30
1	7E	36	THR	N-CA-CB	-5.45	101.90	110.30
1	7Q	36	THR	N-CA-CB	-5.45	101.90	110.30
3	1G	30	HIS	CB-CG-CD2	-5.45	124.11	131.20
1	1Q	36	THR	N-CA-CB	-5.45	101.91	110.30
1	1Q	110	ASP	N-CA-C	5.45	119.92	113.16
1	1U	36	THR	N-CA-CB	-5.45	101.91	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1U	110	ASP	N-CA-C	5.45	119.92	113.16
1	1Y	36	THR	N-CA-CB	-5.45	101.91	110.30
1	1Y	110	ASP	N-CA-C	5.45	119.92	113.16
1	12	36	THR	N-CA-CB	-5.45	101.91	110.30
1	16	36	THR	N-CA-CB	-5.45	101.91	110.30
1	2A	36	THR	N-CA-CB	-5.45	101.91	110.30
3	2O	30	HIS	CB-CG-CD2	-5.45	124.11	131.20
1	2Q	36	THR	N-CA-CB	-5.45	101.91	110.30
1	2Q	110	ASP	N-CA-C	5.45	119.92	113.16
1	2U	36	THR	N-CA-CB	-5.45	101.91	110.30
1	2U	110	ASP	N-CA-C	5.45	119.92	113.16
1	2Y	36	THR	N-CA-CB	-5.45	101.91	110.30
1	2Y	110	ASP	N-CA-C	5.45	119.92	113.16
3	24	30	HIS	CB-CG-CD2	-5.45	124.11	131.20
3	3O	30	HIS	CB-CG-CD2	-5.45	124.11	131.20
1	3Q	36	THR	N-CA-CB	-5.45	101.91	110.30
1	3U	36	THR	N-CA-CB	-5.45	101.91	110.30
1	3Y	36	THR	N-CA-CB	-5.45	101.91	110.30
3	38	30	HIS	CB-CG-CD2	-5.45	124.11	131.20
3	4K	30	HIS	CB-CG-CD2	-5.45	124.11	131.20
3	4S	30	HIS	CB-CG-CD2	-5.45	124.11	131.20
1	42	36	THR	N-CA-CB	-5.45	101.91	110.30
1	42	110	ASP	N-CA-C	5.45	119.92	113.16
1	46	36	THR	N-CA-CB	-5.45	101.91	110.30
1	46	110	ASP	N-CA-C	5.45	119.92	113.16
1	5A	36	THR	N-CA-CB	-5.45	101.91	110.30
1	5A	110	ASP	N-CA-C	5.45	119.92	113.16
1	5E	36	THR	N-CA-CB	-5.45	101.91	110.30
1	5I	36	THR	N-CA-CB	-5.45	101.91	110.30
1	5M	36	THR	N-CA-CB	-5.45	101.91	110.30
3	50	30	HIS	CB-CG-CD2	-5.45	124.11	131.20
1	52	36	THR	N-CA-CB	-5.45	101.91	110.30
1	52	110	ASP	N-CA-C	5.45	119.92	113.16
1	56	36	THR	N-CA-CB	-5.45	101.91	110.30
1	56	110	ASP	N-CA-C	5.45	119.92	113.16
1	6A	36	THR	N-CA-CB	-5.45	101.91	110.30
1	6A	110	ASP	N-CA-C	5.45	119.92	113.16
3	6G	30	HIS	CB-CG-CD2	-5.45	124.11	131.20
3	60	30	HIS	CB-CG-CD2	-5.45	124.11	131.20
1	62	36	THR	N-CA-CB	-5.45	101.91	110.30
1	66	36	THR	N-CA-CB	-5.45	101.91	110.30
1	7A	36	THR	N-CA-CB	-5.45	101.91	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	7K	30	HIS	CB-CG-CD2	-5.45	124.11	131.20
3	7W	30	HIS	CB-CG-CD2	-5.45	124.11	131.20
1	1A	36	THR	N-CA-CB	-5.45	101.91	110.30
1	1I	36	THR	N-CA-CB	-5.45	101.91	110.30
2	13	217	PRO	N-CD-CG	5.45	111.37	103.20
2	17	217	PRO	N-CD-CG	5.45	111.37	103.20
2	2B	217	PRO	N-CD-CG	5.45	111.37	103.20
1	2E	36	THR	N-CA-CB	-5.45	101.91	110.30
1	26	36	THR	N-CA-CB	-5.45	101.91	110.30
1	3E	36	THR	N-CA-CB	-5.45	101.91	110.30
2	3R	217	PRO	N-CD-CG	5.45	111.37	103.20
2	3V	217	PRO	N-CD-CG	5.45	111.37	103.20
2	3Z	217	PRO	N-CD-CG	5.45	111.37	103.20
1	4A	36	THR	N-CA-CB	-5.45	101.91	110.30
1	4M	36	THR	N-CA-CB	-5.45	101.91	110.30
1	4U	36	THR	N-CA-CB	-5.45	101.91	110.30
2	5F	217	PRO	N-CD-CG	5.45	111.37	103.20
2	5J	217	PRO	N-CD-CG	5.45	111.37	103.20
2	5N	217	PRO	N-CD-CG	5.45	111.37	103.20
1	5Q	36	THR	N-CA-CB	-5.45	101.91	110.30
1	6I	36	THR	N-CA-CB	-5.45	101.91	110.30
1	6Q	36	THR	N-CA-CB	-5.45	101.91	110.30
2	63	217	PRO	N-CD-CG	5.45	111.37	103.20
2	67	217	PRO	N-CD-CG	5.45	111.37	103.20
2	7B	217	PRO	N-CD-CG	5.45	111.37	103.20
1	7M	36	THR	N-CA-CB	-5.45	101.91	110.30
1	1A	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	1I	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	2E	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	26	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	3E	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	4A	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	4M	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	4U	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	5Q	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	6I	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	6Q	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	7M	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	1M	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	1M	66	ARG	CA-C-N	5.45	131.53	121.67
1	1M	66	ARG	C-N-CA	5.45	131.53	121.67
1	2I	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	66	ARG	CA-C-N	5.45	131.53	121.67
1	2I	66	ARG	C-N-CA	5.45	131.53	121.67
1	3A	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	3A	66	ARG	CA-C-N	5.45	131.53	121.67
1	3A	66	ARG	C-N-CA	5.45	131.53	121.67
1	3I	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	3I	66	ARG	CA-C-N	5.45	131.53	121.67
1	3I	66	ARG	C-N-CA	5.45	131.53	121.67
1	32	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	32	66	ARG	CA-C-N	5.45	131.53	121.67
1	32	66	ARG	C-N-CA	5.45	131.53	121.67
1	4E	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	4E	66	ARG	CA-C-N	5.45	131.53	121.67
1	4E	66	ARG	C-N-CA	5.45	131.53	121.67
1	4Y	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	4Y	66	ARG	CA-C-N	5.45	131.53	121.67
1	4Y	66	ARG	C-N-CA	5.45	131.53	121.67
1	5U	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	5U	66	ARG	CA-C-N	5.45	131.53	121.67
1	5U	66	ARG	C-N-CA	5.45	131.53	121.67
1	6M	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	6M	66	ARG	CA-C-N	5.45	131.53	121.67
1	6M	66	ARG	C-N-CA	5.45	131.53	121.67
1	6U	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	6U	66	ARG	CA-C-N	5.45	131.53	121.67
1	6U	66	ARG	C-N-CA	5.45	131.53	121.67
1	7E	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	7E	66	ARG	CA-C-N	5.45	131.53	121.67
1	7E	66	ARG	C-N-CA	5.45	131.53	121.67
1	7Q	29	TYR	CG-CD1-CE1	-5.45	113.03	121.20
1	7Q	66	ARG	CA-C-N	5.45	131.53	121.67
1	7Q	66	ARG	C-N-CA	5.45	131.53	121.67
2	1F	41	PHE	N-CA-C	5.44	117.21	111.28
2	1N	81	LEU	O-C-N	-5.44	115.06	121.32
2	1R	24	PRO	CA-CB-CG	5.44	114.84	104.50
2	1V	24	PRO	CA-CB-CG	5.44	114.84	104.50
2	1Z	24	PRO	CA-CB-CG	5.44	114.84	104.50
2	2J	81	LEU	O-C-N	-5.44	115.06	121.32
2	2N	41	PHE	N-CA-C	5.44	117.21	111.28
2	2R	24	PRO	CA-CB-CG	5.44	114.84	104.50
2	2V	24	PRO	CA-CB-CG	5.44	114.84	104.50
2	2Z	24	PRO	CA-CB-CG	5.44	114.84	104.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	41	PHE	N-CA-C	5.44	117.21	111.28
2	3B	81	LEU	O-C-N	-5.44	115.06	121.32
2	3J	81	LEU	O-C-N	-5.44	115.06	121.32
2	3N	41	PHE	N-CA-C	5.44	117.21	111.28
2	33	81	LEU	O-C-N	-5.44	115.06	121.32
2	37	41	PHE	N-CA-C	5.44	117.21	111.28
2	4F	81	LEU	O-C-N	-5.44	115.06	121.32
2	4J	41	PHE	N-CA-C	5.44	117.21	111.28
2	4R	41	PHE	N-CA-C	5.44	117.21	111.28
2	4Z	81	LEU	O-C-N	-5.44	115.06	121.32
2	43	24	PRO	CA-CB-CG	5.44	114.84	104.50
2	47	24	PRO	CA-CB-CG	5.44	114.84	104.50
2	5B	24	PRO	CA-CB-CG	5.44	114.84	104.50
2	5V	81	LEU	O-C-N	-5.44	115.06	121.32
2	5Z	41	PHE	N-CA-C	5.44	117.21	111.28
2	53	24	PRO	CA-CB-CG	5.44	114.84	104.50
2	57	24	PRO	CA-CB-CG	5.44	114.84	104.50
2	6B	24	PRO	CA-CB-CG	5.44	114.84	104.50
2	6F	41	PHE	N-CA-C	5.44	117.21	111.28
2	6N	81	LEU	O-C-N	-5.44	115.06	121.32
2	6V	81	LEU	O-C-N	-5.44	115.06	121.32
2	6Z	41	PHE	N-CA-C	5.44	117.21	111.28
2	7F	81	LEU	O-C-N	-5.44	115.06	121.32
2	7J	41	PHE	N-CA-C	5.44	117.21	111.28
2	7R	81	LEU	O-C-N	-5.44	115.06	121.32
2	7V	41	PHE	N-CA-C	5.44	117.21	111.28
1	1E	84	ARG	CD-NE-CZ	5.44	132.02	124.40
1	2M	84	ARG	CD-NE-CZ	5.44	132.02	124.40
1	22	84	ARG	CD-NE-CZ	5.44	132.02	124.40
1	3M	84	ARG	CD-NE-CZ	5.44	132.02	124.40
1	36	84	ARG	CD-NE-CZ	5.44	132.02	124.40
1	4I	84	ARG	CD-NE-CZ	5.44	132.02	124.40
1	4Q	84	ARG	CD-NE-CZ	5.44	132.02	124.40
1	5Y	84	ARG	CD-NE-CZ	5.44	132.02	124.40
1	6E	84	ARG	CD-NE-CZ	5.44	132.02	124.40
1	6Y	84	ARG	CD-NE-CZ	5.44	132.02	124.40
1	7I	84	ARG	CD-NE-CZ	5.44	132.02	124.40
1	7U	84	ARG	CD-NE-CZ	5.44	132.02	124.40
1	1M	110	ASP	N-CA-C	5.44	119.91	113.16
1	2I	110	ASP	N-CA-C	5.44	119.91	113.16
1	3A	110	ASP	N-CA-C	5.44	119.91	113.16
1	3I	110	ASP	N-CA-C	5.44	119.91	113.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32	110	ASP	N-CA-C	5.44	119.91	113.16
1	4E	110	ASP	N-CA-C	5.44	119.91	113.16
1	4Y	110	ASP	N-CA-C	5.44	119.91	113.16
1	5U	110	ASP	N-CA-C	5.44	119.91	113.16
1	6M	110	ASP	N-CA-C	5.44	119.91	113.16
1	6U	110	ASP	N-CA-C	5.44	119.91	113.16
1	7E	110	ASP	N-CA-C	5.44	119.91	113.16
1	7Q	110	ASP	N-CA-C	5.44	119.91	113.16
1	1Q	85	LEU	CD1-CG-CD2	5.44	122.77	110.80
1	1U	85	LEU	CD1-CG-CD2	5.44	122.77	110.80
1	1Y	85	LEU	CD1-CG-CD2	5.44	122.77	110.80
1	2Q	85	LEU	CD1-CG-CD2	5.44	122.77	110.80
1	2U	85	LEU	CD1-CG-CD2	5.44	122.77	110.80
1	2Y	85	LEU	CD1-CG-CD2	5.44	122.77	110.80
1	42	85	LEU	CD1-CG-CD2	5.44	122.77	110.80
1	46	85	LEU	CD1-CG-CD2	5.44	122.77	110.80
1	5A	85	LEU	CD1-CG-CD2	5.44	122.77	110.80
1	52	85	LEU	CD1-CG-CD2	5.44	122.77	110.80
1	56	85	LEU	CD1-CG-CD2	5.44	122.77	110.80
1	6A	85	LEU	CD1-CG-CD2	5.44	122.77	110.80
1	1M	85	LEU	CD1-CG-CD2	5.44	122.76	110.80
1	1Q	29	TYR	CG-CD1-CE1	-5.44	113.04	121.20
1	1U	29	TYR	CG-CD1-CE1	-5.44	113.04	121.20
1	1Y	29	TYR	CG-CD1-CE1	-5.44	113.04	121.20
1	12	84	ARG	CD-NE-CZ	5.44	132.01	124.40
1	16	84	ARG	CD-NE-CZ	5.44	132.01	124.40
1	2A	84	ARG	CD-NE-CZ	5.44	132.01	124.40
1	2I	85	LEU	CD1-CG-CD2	5.44	122.76	110.80
1	2Q	29	TYR	CG-CD1-CE1	-5.44	113.04	121.20
1	2U	29	TYR	CG-CD1-CE1	-5.44	113.04	121.20
1	2Y	29	TYR	CG-CD1-CE1	-5.44	113.04	121.20
1	3A	85	LEU	CD1-CG-CD2	5.44	122.76	110.80
1	3I	85	LEU	CD1-CG-CD2	5.44	122.76	110.80
1	3Q	84	ARG	CD-NE-CZ	5.44	132.01	124.40
1	3U	84	ARG	CD-NE-CZ	5.44	132.01	124.40
1	3Y	84	ARG	CD-NE-CZ	5.44	132.01	124.40
1	32	85	LEU	CD1-CG-CD2	5.44	122.76	110.80
1	4E	85	LEU	CD1-CG-CD2	5.44	122.76	110.80
1	4Y	85	LEU	CD1-CG-CD2	5.44	122.76	110.80
1	42	29	TYR	CG-CD1-CE1	-5.44	113.04	121.20
1	46	29	TYR	CG-CD1-CE1	-5.44	113.04	121.20
1	5A	29	TYR	CG-CD1-CE1	-5.44	113.04	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5E	84	ARG	CD-NE-CZ	5.44	132.01	124.40
1	5I	84	ARG	CD-NE-CZ	5.44	132.01	124.40
1	5M	84	ARG	CD-NE-CZ	5.44	132.01	124.40
1	5U	85	LEU	CD1-CG-CD2	5.44	122.76	110.80
1	52	29	TYR	CG-CD1-CE1	-5.44	113.04	121.20
1	56	29	TYR	CG-CD1-CE1	-5.44	113.04	121.20
1	6A	29	TYR	CG-CD1-CE1	-5.44	113.04	121.20
1	6M	85	LEU	CD1-CG-CD2	5.44	122.76	110.80
1	6U	85	LEU	CD1-CG-CD2	5.44	122.76	110.80
1	62	84	ARG	CD-NE-CZ	5.44	132.01	124.40
1	66	84	ARG	CD-NE-CZ	5.44	132.01	124.40
1	7A	84	ARG	CD-NE-CZ	5.44	132.01	124.40
1	7E	85	LEU	CD1-CG-CD2	5.44	122.76	110.80
1	7Q	85	LEU	CD1-CG-CD2	5.44	122.76	110.80
1	1A	66	ARG	CA-C-N	5.44	131.51	121.67
1	1A	66	ARG	C-N-CA	5.44	131.51	121.67
1	1E	29	TYR	CG-CD1-CE1	-5.44	113.05	121.20
1	1I	66	ARG	CA-C-N	5.44	131.51	121.67
1	1I	66	ARG	C-N-CA	5.44	131.51	121.67
1	2E	66	ARG	CA-C-N	5.44	131.51	121.67
1	2E	66	ARG	C-N-CA	5.44	131.51	121.67
1	2M	29	TYR	CG-CD1-CE1	-5.44	113.05	121.20
1	22	29	TYR	CG-CD1-CE1	-5.44	113.05	121.20
1	26	66	ARG	CA-C-N	5.44	131.51	121.67
1	26	66	ARG	C-N-CA	5.44	131.51	121.67
1	3E	66	ARG	CA-C-N	5.44	131.51	121.67
1	3E	66	ARG	C-N-CA	5.44	131.51	121.67
1	3M	29	TYR	CG-CD1-CE1	-5.44	113.05	121.20
1	36	29	TYR	CG-CD1-CE1	-5.44	113.05	121.20
1	4A	66	ARG	CA-C-N	5.44	131.51	121.67
1	4A	66	ARG	C-N-CA	5.44	131.51	121.67
1	4I	29	TYR	CG-CD1-CE1	-5.44	113.05	121.20
1	4M	66	ARG	CA-C-N	5.44	131.51	121.67
1	4M	66	ARG	C-N-CA	5.44	131.51	121.67
1	4Q	29	TYR	CG-CD1-CE1	-5.44	113.05	121.20
1	4U	66	ARG	CA-C-N	5.44	131.51	121.67
1	4U	66	ARG	C-N-CA	5.44	131.51	121.67
1	5Q	66	ARG	CA-C-N	5.44	131.51	121.67
1	5Q	66	ARG	C-N-CA	5.44	131.51	121.67
1	5Y	29	TYR	CG-CD1-CE1	-5.44	113.05	121.20
1	6E	29	TYR	CG-CD1-CE1	-5.44	113.05	121.20
1	6I	66	ARG	CA-C-N	5.44	131.51	121.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6I	66	ARG	C-N-CA	5.44	131.51	121.67
1	6Q	66	ARG	CA-C-N	5.44	131.51	121.67
1	6Q	66	ARG	C-N-CA	5.44	131.51	121.67
1	6Y	29	TYR	CG-CD1-CE1	-5.44	113.05	121.20
1	7I	29	TYR	CG-CD1-CE1	-5.44	113.05	121.20
1	7M	66	ARG	CA-C-N	5.44	131.51	121.67
1	7M	66	ARG	C-N-CA	5.44	131.51	121.67
1	7U	29	TYR	CG-CD1-CE1	-5.44	113.05	121.20
1	12	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	16	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	2A	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	3Q	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	3U	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	3Y	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	5E	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	5I	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	5M	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	62	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	66	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	7A	117	PHE	CA-CB-CG	-5.43	108.37	113.80
2	1B	81	LEU	O-C-N	-5.43	115.07	121.32
2	1J	81	LEU	O-C-N	-5.43	115.07	121.32
1	12	29	TYR	CG-CD1-CE1	-5.43	113.05	121.20
2	13	81	LEU	O-C-N	-5.43	115.07	121.32
1	16	29	TYR	CG-CD1-CE1	-5.43	113.05	121.20
2	17	81	LEU	O-C-N	-5.43	115.07	121.32
1	2A	29	TYR	CG-CD1-CE1	-5.43	113.05	121.20
2	2B	81	LEU	O-C-N	-5.43	115.07	121.32
2	2F	81	LEU	O-C-N	-5.43	115.07	121.32
2	27	81	LEU	O-C-N	-5.43	115.07	121.32
2	3F	81	LEU	O-C-N	-5.43	115.07	121.32
1	3Q	29	TYR	CG-CD1-CE1	-5.43	113.05	121.20
2	3R	81	LEU	O-C-N	-5.43	115.07	121.32
1	3U	29	TYR	CG-CD1-CE1	-5.43	113.05	121.20
2	3V	81	LEU	O-C-N	-5.43	115.07	121.32
1	3Y	29	TYR	CG-CD1-CE1	-5.43	113.05	121.20
2	3Z	81	LEU	O-C-N	-5.43	115.07	121.32
2	4B	81	LEU	O-C-N	-5.43	115.07	121.32
2	4N	81	LEU	O-C-N	-5.43	115.07	121.32
2	4V	81	LEU	O-C-N	-5.43	115.07	121.32
1	5E	29	TYR	CG-CD1-CE1	-5.43	113.05	121.20
2	5F	81	LEU	O-C-N	-5.43	115.07	121.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5I	29	TYR	CG-CD1-CE1	-5.43	113.05	121.20
2	5J	81	LEU	O-C-N	-5.43	115.07	121.32
1	5M	29	TYR	CG-CD1-CE1	-5.43	113.05	121.20
2	5N	81	LEU	O-C-N	-5.43	115.07	121.32
2	5R	81	LEU	O-C-N	-5.43	115.07	121.32
2	6J	81	LEU	O-C-N	-5.43	115.07	121.32
2	6R	81	LEU	O-C-N	-5.43	115.07	121.32
1	62	29	TYR	CG-CD1-CE1	-5.43	113.05	121.20
2	63	81	LEU	O-C-N	-5.43	115.07	121.32
1	66	29	TYR	CG-CD1-CE1	-5.43	113.05	121.20
2	67	81	LEU	O-C-N	-5.43	115.07	121.32
1	7A	29	TYR	CG-CD1-CE1	-5.43	113.05	121.20
2	7B	81	LEU	O-C-N	-5.43	115.07	121.32
2	7N	81	LEU	O-C-N	-5.43	115.07	121.32
2	13	41	PHE	N-CA-C	5.43	117.20	111.28
2	17	41	PHE	N-CA-C	5.43	117.20	111.28
2	2B	41	PHE	N-CA-C	5.43	117.20	111.28
2	3R	41	PHE	N-CA-C	5.43	117.20	111.28
2	3V	41	PHE	N-CA-C	5.43	117.20	111.28
2	3Z	41	PHE	N-CA-C	5.43	117.20	111.28
2	5F	41	PHE	N-CA-C	5.43	117.20	111.28
2	5J	41	PHE	N-CA-C	5.43	117.20	111.28
2	5N	41	PHE	N-CA-C	5.43	117.20	111.28
2	63	41	PHE	N-CA-C	5.43	117.20	111.28
2	67	41	PHE	N-CA-C	5.43	117.20	111.28
2	7B	41	PHE	N-CA-C	5.43	117.20	111.28
1	1A	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	1I	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	2E	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	26	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	3E	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	4A	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	4M	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	4U	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	5Q	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	6I	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	6Q	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	7M	117	PHE	CA-CB-CG	-5.43	108.37	113.80
1	1A	84	ARG	CD-NE-CZ	5.43	132.00	124.40
1	1I	84	ARG	CD-NE-CZ	5.43	132.00	124.40
1	1Q	97	SER	O-C-N	-5.43	118.53	123.41
1	1U	97	SER	O-C-N	-5.43	118.53	123.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1Y	97	SER	O-C-N	-5.43	118.53	123.41
1	2E	84	ARG	CD-NE-CZ	5.43	132.00	124.40
1	2Q	97	SER	O-C-N	-5.43	118.53	123.41
1	2U	97	SER	O-C-N	-5.43	118.53	123.41
1	2Y	97	SER	O-C-N	-5.43	118.53	123.41
1	26	84	ARG	CD-NE-CZ	5.43	132.00	124.40
1	3E	84	ARG	CD-NE-CZ	5.43	132.00	124.40
1	4A	84	ARG	CD-NE-CZ	5.43	132.00	124.40
1	4M	84	ARG	CD-NE-CZ	5.43	132.00	124.40
1	4U	84	ARG	CD-NE-CZ	5.43	132.00	124.40
1	42	97	SER	O-C-N	-5.43	118.53	123.41
1	46	97	SER	O-C-N	-5.43	118.53	123.41
1	5A	97	SER	O-C-N	-5.43	118.53	123.41
1	5Q	84	ARG	CD-NE-CZ	5.43	132.00	124.40
1	52	97	SER	O-C-N	-5.43	118.53	123.41
1	56	97	SER	O-C-N	-5.43	118.53	123.41
1	6A	97	SER	O-C-N	-5.43	118.53	123.41
1	6I	84	ARG	CD-NE-CZ	5.43	132.00	124.40
1	6Q	84	ARG	CD-NE-CZ	5.43	132.00	124.40
1	7M	84	ARG	CD-NE-CZ	5.43	132.00	124.40
1	1E	36	THR	N-CA-CB	-5.42	101.95	110.30
2	1N	41	PHE	N-CA-C	5.42	117.19	111.28
2	2J	41	PHE	N-CA-C	5.42	117.19	111.28
1	2M	36	THR	N-CA-CB	-5.42	101.95	110.30
1	22	36	THR	N-CA-CB	-5.42	101.95	110.30
2	3B	41	PHE	N-CA-C	5.42	117.19	111.28
2	3J	41	PHE	N-CA-C	5.42	117.19	111.28
1	3M	36	THR	N-CA-CB	-5.42	101.95	110.30
2	33	41	PHE	N-CA-C	5.42	117.19	111.28
1	36	36	THR	N-CA-CB	-5.42	101.95	110.30
2	4F	41	PHE	N-CA-C	5.42	117.19	111.28
1	4I	36	THR	N-CA-CB	-5.42	101.95	110.30
1	4Q	36	THR	N-CA-CB	-5.42	101.95	110.30
2	4Z	41	PHE	N-CA-C	5.42	117.19	111.28
2	5V	41	PHE	N-CA-C	5.42	117.19	111.28
1	5Y	36	THR	N-CA-CB	-5.42	101.95	110.30
1	6E	36	THR	N-CA-CB	-5.42	101.95	110.30
2	6N	41	PHE	N-CA-C	5.42	117.19	111.28
2	6V	41	PHE	N-CA-C	5.42	117.19	111.28
1	6Y	36	THR	N-CA-CB	-5.42	101.95	110.30
2	7F	41	PHE	N-CA-C	5.42	117.19	111.28
1	7I	36	THR	N-CA-CB	-5.42	101.95	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	41	PHE	N-CA-C	5.42	117.19	111.28
1	7U	36	THR	N-CA-CB	-5.42	101.95	110.30
1	1M	16	THR	OG1-CB-CG2	-5.42	98.45	109.30
2	1R	216	ASN	N-CA-CB	-5.42	98.25	110.56
2	1V	216	ASN	N-CA-CB	-5.42	98.25	110.56
2	1Z	216	ASN	N-CA-CB	-5.42	98.25	110.56
1	2I	16	THR	OG1-CB-CG2	-5.42	98.45	109.30
2	2R	216	ASN	N-CA-CB	-5.42	98.25	110.56
2	2V	216	ASN	N-CA-CB	-5.42	98.25	110.56
2	2Z	216	ASN	N-CA-CB	-5.42	98.25	110.56
1	3A	16	THR	OG1-CB-CG2	-5.42	98.45	109.30
1	3I	16	THR	OG1-CB-CG2	-5.42	98.45	109.30
1	32	16	THR	OG1-CB-CG2	-5.42	98.45	109.30
1	4E	16	THR	OG1-CB-CG2	-5.42	98.45	109.30
1	4Y	16	THR	OG1-CB-CG2	-5.42	98.45	109.30
2	43	216	ASN	N-CA-CB	-5.42	98.25	110.56
2	47	216	ASN	N-CA-CB	-5.42	98.25	110.56
2	5B	216	ASN	N-CA-CB	-5.42	98.25	110.56
1	5U	16	THR	OG1-CB-CG2	-5.42	98.45	109.30
2	53	216	ASN	N-CA-CB	-5.42	98.25	110.56
2	57	216	ASN	N-CA-CB	-5.42	98.25	110.56
2	6B	216	ASN	N-CA-CB	-5.42	98.25	110.56
1	6M	16	THR	OG1-CB-CG2	-5.42	98.45	109.30
1	6U	16	THR	OG1-CB-CG2	-5.42	98.45	109.30
1	7E	16	THR	OG1-CB-CG2	-5.42	98.45	109.30
1	7Q	16	THR	OG1-CB-CG2	-5.42	98.45	109.30
2	1F	216	ASN	N-CA-C	-5.42	102.65	110.40
1	1M	84	ARG	CD-NE-CZ	5.42	131.99	124.40
2	1R	81	LEU	O-C-N	-5.42	115.08	121.32
2	1V	81	LEU	O-C-N	-5.42	115.08	121.32
2	1Z	81	LEU	O-C-N	-5.42	115.08	121.32
1	2I	84	ARG	CD-NE-CZ	5.42	131.99	124.40
2	2N	216	ASN	N-CA-C	-5.42	102.65	110.40
2	2R	81	LEU	O-C-N	-5.42	115.08	121.32
2	2V	81	LEU	O-C-N	-5.42	115.08	121.32
2	2Z	81	LEU	O-C-N	-5.42	115.08	121.32
2	23	216	ASN	N-CA-C	-5.42	102.65	110.40
1	3A	84	ARG	CD-NE-CZ	5.42	131.99	124.40
1	3I	84	ARG	CD-NE-CZ	5.42	131.99	124.40
2	3N	216	ASN	N-CA-C	-5.42	102.65	110.40
1	32	84	ARG	CD-NE-CZ	5.42	131.99	124.40
2	37	216	ASN	N-CA-C	-5.42	102.65	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	84	ARG	CD-NE-CZ	5.42	131.99	124.40
2	4J	216	ASN	N-CA-C	-5.42	102.65	110.40
2	4R	216	ASN	N-CA-C	-5.42	102.65	110.40
1	4Y	84	ARG	CD-NE-CZ	5.42	131.99	124.40
2	43	81	LEU	O-C-N	-5.42	115.08	121.32
2	47	81	LEU	O-C-N	-5.42	115.08	121.32
2	5B	81	LEU	O-C-N	-5.42	115.08	121.32
1	5U	84	ARG	CD-NE-CZ	5.42	131.99	124.40
2	5Z	216	ASN	N-CA-C	-5.42	102.65	110.40
2	53	81	LEU	O-C-N	-5.42	115.08	121.32
2	57	81	LEU	O-C-N	-5.42	115.08	121.32
2	6B	81	LEU	O-C-N	-5.42	115.08	121.32
2	6F	216	ASN	N-CA-C	-5.42	102.65	110.40
1	6M	84	ARG	CD-NE-CZ	5.42	131.99	124.40
1	6U	84	ARG	CD-NE-CZ	5.42	131.99	124.40
2	6Z	216	ASN	N-CA-C	-5.42	102.65	110.40
1	7E	84	ARG	CD-NE-CZ	5.42	131.99	124.40
2	7J	216	ASN	N-CA-C	-5.42	102.65	110.40
1	7Q	84	ARG	CD-NE-CZ	5.42	131.99	124.40
2	7V	216	ASN	N-CA-C	-5.42	102.65	110.40
1	1E	16	THR	OG1-CB-CG2	-5.42	98.46	109.30
1	2M	16	THR	OG1-CB-CG2	-5.42	98.46	109.30
1	22	16	THR	OG1-CB-CG2	-5.42	98.46	109.30
1	3M	16	THR	OG1-CB-CG2	-5.42	98.46	109.30
1	36	16	THR	OG1-CB-CG2	-5.42	98.46	109.30
1	4I	16	THR	OG1-CB-CG2	-5.42	98.46	109.30
1	4Q	16	THR	OG1-CB-CG2	-5.42	98.46	109.30
1	5Y	16	THR	OG1-CB-CG2	-5.42	98.46	109.30
1	6E	16	THR	OG1-CB-CG2	-5.42	98.46	109.30
1	6Y	16	THR	OG1-CB-CG2	-5.42	98.46	109.30
1	7I	16	THR	OG1-CB-CG2	-5.42	98.46	109.30
1	7U	16	THR	OG1-CB-CG2	-5.42	98.46	109.30
1	1Q	84	ARG	CD-NE-CZ	5.42	131.99	124.40
1	1U	84	ARG	CD-NE-CZ	5.42	131.99	124.40
1	1Y	84	ARG	CD-NE-CZ	5.42	131.99	124.40
1	2Q	84	ARG	CD-NE-CZ	5.42	131.99	124.40
1	2U	84	ARG	CD-NE-CZ	5.42	131.99	124.40
1	2Y	84	ARG	CD-NE-CZ	5.42	131.99	124.40
1	42	84	ARG	CD-NE-CZ	5.42	131.99	124.40
1	46	84	ARG	CD-NE-CZ	5.42	131.99	124.40
1	5A	84	ARG	CD-NE-CZ	5.42	131.99	124.40
1	52	84	ARG	CD-NE-CZ	5.42	131.99	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	84	ARG	CD-NE-CZ	5.42	131.99	124.40
1	6A	84	ARG	CD-NE-CZ	5.42	131.99	124.40
1	1Q	16	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	1U	16	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	1Y	16	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	12	35	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	16	35	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	2A	35	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	2Q	16	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	2U	16	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	2Y	16	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	3Q	35	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	3U	35	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	3Y	35	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	42	16	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	46	16	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	5A	16	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	5E	35	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	5I	35	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	5M	35	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	52	16	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	56	16	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	6A	16	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	62	35	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	66	35	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	7A	35	THR	OG1-CB-CG2	-5.42	98.47	109.30
1	1A	97	SER	O-C-N	-5.42	118.54	123.41
1	1I	97	SER	O-C-N	-5.42	118.54	123.41
2	1N	216	ASN	N-CA-CB	-5.42	98.27	110.56
1	2E	97	SER	O-C-N	-5.42	118.54	123.41
2	2J	216	ASN	N-CA-CB	-5.42	98.27	110.56
1	26	97	SER	O-C-N	-5.42	118.54	123.41
2	3B	216	ASN	N-CA-CB	-5.42	98.27	110.56
1	3E	97	SER	O-C-N	-5.42	118.54	123.41
2	3J	216	ASN	N-CA-CB	-5.42	98.27	110.56
2	33	216	ASN	N-CA-CB	-5.42	98.27	110.56
1	4A	97	SER	O-C-N	-5.42	118.54	123.41
2	4F	216	ASN	N-CA-CB	-5.42	98.27	110.56
1	4M	97	SER	O-C-N	-5.42	118.54	123.41
1	4U	97	SER	O-C-N	-5.42	118.54	123.41
2	4Z	216	ASN	N-CA-CB	-5.42	98.27	110.56
1	5Q	97	SER	O-C-N	-5.42	118.54	123.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	216	ASN	N-CA-CB	-5.42	98.27	110.56
1	6I	97	SER	O-C-N	-5.42	118.54	123.41
2	6N	216	ASN	N-CA-CB	-5.42	98.27	110.56
1	6Q	97	SER	O-C-N	-5.42	118.54	123.41
2	6V	216	ASN	N-CA-CB	-5.42	98.27	110.56
2	7F	216	ASN	N-CA-CB	-5.42	98.27	110.56
1	7M	97	SER	O-C-N	-5.42	118.54	123.41
2	7R	216	ASN	N-CA-CB	-5.42	98.27	110.56
2	1B	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	1F	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	1J	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	2F	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	2N	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	23	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	27	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	3F	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	3N	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	37	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	4B	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	4J	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	4N	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	4R	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	4V	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	5R	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	5Z	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	6F	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	6J	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	6R	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	6Z	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	7J	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	7N	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	7V	216	ASN	N-CA-CB	-5.41	98.27	110.56
2	1R	41	PHE	N-CA-C	5.41	117.18	111.28
2	1V	41	PHE	N-CA-C	5.41	117.18	111.28
2	1Z	41	PHE	N-CA-C	5.41	117.18	111.28
3	14	92[1]	ASN	CA-CB-CG	5.41	118.01	112.60
3	14	92[2]	ASN	CA-CB-CG	5.41	118.01	112.60
3	18	92[1]	ASN	CA-CB-CG	5.41	118.01	112.60
3	18	92[2]	ASN	CA-CB-CG	5.41	118.01	112.60
3	2C	92[1]	ASN	CA-CB-CG	5.41	118.01	112.60
3	2C	92[2]	ASN	CA-CB-CG	5.41	118.01	112.60
2	2R	41	PHE	N-CA-C	5.41	117.18	111.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	41	PHE	N-CA-C	5.41	117.18	111.28
2	2Z	41	PHE	N-CA-C	5.41	117.18	111.28
3	3S	92[1]	ASN	CA-CB-CG	5.41	118.01	112.60
3	3S	92[2]	ASN	CA-CB-CG	5.41	118.01	112.60
3	3W	92[1]	ASN	CA-CB-CG	5.41	118.01	112.60
3	3W	92[2]	ASN	CA-CB-CG	5.41	118.01	112.60
3	30	92[1]	ASN	CA-CB-CG	5.41	118.01	112.60
3	30	92[2]	ASN	CA-CB-CG	5.41	118.01	112.60
2	43	41	PHE	N-CA-C	5.41	117.18	111.28
2	47	41	PHE	N-CA-C	5.41	117.18	111.28
2	5B	41	PHE	N-CA-C	5.41	117.18	111.28
3	5G	92[1]	ASN	CA-CB-CG	5.41	118.01	112.60
3	5G	92[2]	ASN	CA-CB-CG	5.41	118.01	112.60
3	5K	92[1]	ASN	CA-CB-CG	5.41	118.01	112.60
3	5K	92[2]	ASN	CA-CB-CG	5.41	118.01	112.60
3	5O	92[1]	ASN	CA-CB-CG	5.41	118.01	112.60
3	5O	92[2]	ASN	CA-CB-CG	5.41	118.01	112.60
2	53	41	PHE	N-CA-C	5.41	117.18	111.28
2	57	41	PHE	N-CA-C	5.41	117.18	111.28
2	6B	41	PHE	N-CA-C	5.41	117.18	111.28
3	64	92[1]	ASN	CA-CB-CG	5.41	118.01	112.60
3	64	92[2]	ASN	CA-CB-CG	5.41	118.01	112.60
3	68	92[1]	ASN	CA-CB-CG	5.41	118.01	112.60
3	68	92[2]	ASN	CA-CB-CG	5.41	118.01	112.60
3	7C	92[1]	ASN	CA-CB-CG	5.41	118.01	112.60
3	7C	92[2]	ASN	CA-CB-CG	5.41	118.01	112.60
1	1Q	35	THR	OG1-CB-CG2	-5.41	98.48	109.30
1	1U	35	THR	OG1-CB-CG2	-5.41	98.48	109.30
1	1Y	35	THR	OG1-CB-CG2	-5.41	98.48	109.30
1	2Q	35	THR	OG1-CB-CG2	-5.41	98.48	109.30
1	2U	35	THR	OG1-CB-CG2	-5.41	98.48	109.30
1	2Y	35	THR	OG1-CB-CG2	-5.41	98.48	109.30
1	42	35	THR	OG1-CB-CG2	-5.41	98.48	109.30
1	46	35	THR	OG1-CB-CG2	-5.41	98.48	109.30
1	5A	35	THR	OG1-CB-CG2	-5.41	98.48	109.30
1	52	35	THR	OG1-CB-CG2	-5.41	98.48	109.30
1	56	35	THR	OG1-CB-CG2	-5.41	98.48	109.30
1	6A	35	THR	OG1-CB-CG2	-5.41	98.48	109.30
1	1A	35	THR	OG1-CB-CG2	-5.41	98.49	109.30
1	1I	35	THR	OG1-CB-CG2	-5.41	98.49	109.30
1	12	97	SER	O-C-N	-5.41	118.54	123.41
1	16	97	SER	O-C-N	-5.41	118.54	123.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	97	SER	O-C-N	-5.41	118.54	123.41
1	2E	35	THR	OG1-CB-CG2	-5.41	98.49	109.30
1	26	35	THR	OG1-CB-CG2	-5.41	98.49	109.30
1	3E	35	THR	OG1-CB-CG2	-5.41	98.49	109.30
1	3Q	97	SER	O-C-N	-5.41	118.54	123.41
1	3U	97	SER	O-C-N	-5.41	118.54	123.41
1	3Y	97	SER	O-C-N	-5.41	118.54	123.41
1	4A	35	THR	OG1-CB-CG2	-5.41	98.49	109.30
1	4M	35	THR	OG1-CB-CG2	-5.41	98.49	109.30
1	4U	35	THR	OG1-CB-CG2	-5.41	98.49	109.30
1	5E	97	SER	O-C-N	-5.41	118.54	123.41
1	5I	97	SER	O-C-N	-5.41	118.54	123.41
1	5M	97	SER	O-C-N	-5.41	118.54	123.41
1	5Q	35	THR	OG1-CB-CG2	-5.41	98.49	109.30
1	6I	35	THR	OG1-CB-CG2	-5.41	98.49	109.30
1	6Q	35	THR	OG1-CB-CG2	-5.41	98.49	109.30
1	62	97	SER	O-C-N	-5.41	118.54	123.41
1	66	97	SER	O-C-N	-5.41	118.54	123.41
1	7A	97	SER	O-C-N	-5.41	118.54	123.41
1	7M	35	THR	OG1-CB-CG2	-5.41	98.49	109.30
2	13	216	ASN	N-CA-CB	-5.40	98.29	110.56
2	17	216	ASN	N-CA-CB	-5.40	98.29	110.56
2	2B	216	ASN	N-CA-CB	-5.40	98.29	110.56
2	3R	216	ASN	N-CA-CB	-5.40	98.29	110.56
2	3V	216	ASN	N-CA-CB	-5.40	98.29	110.56
2	3Z	216	ASN	N-CA-CB	-5.40	98.29	110.56
2	5F	216	ASN	N-CA-CB	-5.40	98.29	110.56
2	5J	216	ASN	N-CA-CB	-5.40	98.29	110.56
2	5N	216	ASN	N-CA-CB	-5.40	98.29	110.56
2	63	216	ASN	N-CA-CB	-5.40	98.29	110.56
2	67	216	ASN	N-CA-CB	-5.40	98.29	110.56
2	7B	216	ASN	N-CA-CB	-5.40	98.29	110.56
1	1A	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	1E	97	SER	O-C-N	-5.40	118.55	123.41
1	1I	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	12	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	16	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	2A	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	2E	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	2M	97	SER	O-C-N	-5.40	118.55	123.41
1	22	97	SER	O-C-N	-5.40	118.55	123.41
1	26	16	THR	OG1-CB-CG2	-5.40	98.50	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	3M	97	SER	O-C-N	-5.40	118.55	123.41
1	3Q	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	3U	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	3Y	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	36	97	SER	O-C-N	-5.40	118.55	123.41
1	4A	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	4I	97	SER	O-C-N	-5.40	118.55	123.41
1	4M	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	4Q	97	SER	O-C-N	-5.40	118.55	123.41
1	4U	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	5E	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	5I	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	5M	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	5Q	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	5Y	97	SER	O-C-N	-5.40	118.55	123.41
1	6E	97	SER	O-C-N	-5.40	118.55	123.41
1	6I	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	6Q	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	6Y	97	SER	O-C-N	-5.40	118.55	123.41
1	62	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	66	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	7A	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	7I	97	SER	O-C-N	-5.40	118.55	123.41
1	7M	16	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	7U	97	SER	O-C-N	-5.40	118.55	123.41
1	1M	7	GLN	CB-CA-C	-5.40	101.72	110.79
1	2I	7	GLN	CB-CA-C	-5.40	101.72	110.79
1	3A	7	GLN	CB-CA-C	-5.40	101.72	110.79
1	3I	7	GLN	CB-CA-C	-5.40	101.72	110.79
1	32	7	GLN	CB-CA-C	-5.40	101.72	110.79
1	4E	7	GLN	CB-CA-C	-5.40	101.72	110.79
1	4Y	7	GLN	CB-CA-C	-5.40	101.72	110.79
1	5U	7	GLN	CB-CA-C	-5.40	101.72	110.79
1	6M	7	GLN	CB-CA-C	-5.40	101.72	110.79
1	6U	7	GLN	CB-CA-C	-5.40	101.72	110.79
1	7E	7	GLN	CB-CA-C	-5.40	101.72	110.79
1	7Q	7	GLN	CB-CA-C	-5.40	101.72	110.79
3	1G	92[1]	ASN	CA-CB-CG	5.40	118.00	112.60
3	1G	92[2]	ASN	CA-CB-CG	5.40	118.00	112.60
1	1M	35	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	2I	35	THR	OG1-CB-CG2	-5.40	98.50	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2O	92[1]	ASN	CA-CB-CG	5.40	118.00	112.60
3	2O	92[2]	ASN	CA-CB-CG	5.40	118.00	112.60
3	24	92[1]	ASN	CA-CB-CG	5.40	118.00	112.60
3	24	92[2]	ASN	CA-CB-CG	5.40	118.00	112.60
1	3A	35	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	3I	35	THR	OG1-CB-CG2	-5.40	98.50	109.30
3	3O	92[1]	ASN	CA-CB-CG	5.40	118.00	112.60
3	3O	92[2]	ASN	CA-CB-CG	5.40	118.00	112.60
1	32	35	THR	OG1-CB-CG2	-5.40	98.50	109.30
3	38	92[1]	ASN	CA-CB-CG	5.40	118.00	112.60
3	38	92[2]	ASN	CA-CB-CG	5.40	118.00	112.60
1	4E	35	THR	OG1-CB-CG2	-5.40	98.50	109.30
3	4K	92[1]	ASN	CA-CB-CG	5.40	118.00	112.60
3	4K	92[2]	ASN	CA-CB-CG	5.40	118.00	112.60
3	4S	92[1]	ASN	CA-CB-CG	5.40	118.00	112.60
3	4S	92[2]	ASN	CA-CB-CG	5.40	118.00	112.60
1	4Y	35	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	5U	35	THR	OG1-CB-CG2	-5.40	98.50	109.30
3	50	92[1]	ASN	CA-CB-CG	5.40	118.00	112.60
3	50	92[2]	ASN	CA-CB-CG	5.40	118.00	112.60
3	6G	92[1]	ASN	CA-CB-CG	5.40	118.00	112.60
3	6G	92[2]	ASN	CA-CB-CG	5.40	118.00	112.60
1	6M	35	THR	OG1-CB-CG2	-5.40	98.50	109.30
1	6U	35	THR	OG1-CB-CG2	-5.40	98.50	109.30
3	60	92[1]	ASN	CA-CB-CG	5.40	118.00	112.60
3	60	92[2]	ASN	CA-CB-CG	5.40	118.00	112.60
1	7E	35	THR	OG1-CB-CG2	-5.40	98.50	109.30
3	7K	92[1]	ASN	CA-CB-CG	5.40	118.00	112.60
3	7K	92[2]	ASN	CA-CB-CG	5.40	118.00	112.60
1	7Q	35	THR	OG1-CB-CG2	-5.40	98.50	109.30
3	7W	92[1]	ASN	CA-CB-CG	5.40	118.00	112.60
3	7W	92[2]	ASN	CA-CB-CG	5.40	118.00	112.60
1	1E	35	THR	OG1-CB-CG2	-5.40	98.51	109.30
1	2M	35	THR	OG1-CB-CG2	-5.40	98.51	109.30
1	22	35	THR	OG1-CB-CG2	-5.40	98.51	109.30
1	3M	35	THR	OG1-CB-CG2	-5.40	98.51	109.30
1	36	35	THR	OG1-CB-CG2	-5.40	98.51	109.30
1	4I	35	THR	OG1-CB-CG2	-5.40	98.51	109.30
1	4Q	35	THR	OG1-CB-CG2	-5.40	98.51	109.30
1	5Y	35	THR	OG1-CB-CG2	-5.40	98.51	109.30
1	6E	35	THR	OG1-CB-CG2	-5.40	98.51	109.30
1	6Y	35	THR	OG1-CB-CG2	-5.40	98.51	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	35	THR	OG1-CB-CG2	-5.40	98.51	109.30
1	7U	35	THR	OG1-CB-CG2	-5.40	98.51	109.30
2	1R	216	ASN	N-CA-C	-5.39	102.69	110.40
2	1V	216	ASN	N-CA-C	-5.39	102.69	110.40
2	1Z	216	ASN	N-CA-C	-5.39	102.69	110.40
2	2R	216	ASN	N-CA-C	-5.39	102.69	110.40
2	2V	216	ASN	N-CA-C	-5.39	102.69	110.40
2	2Z	216	ASN	N-CA-C	-5.39	102.69	110.40
2	43	216	ASN	N-CA-C	-5.39	102.69	110.40
2	47	216	ASN	N-CA-C	-5.39	102.69	110.40
2	5B	216	ASN	N-CA-C	-5.39	102.69	110.40
2	53	216	ASN	N-CA-C	-5.39	102.69	110.40
2	57	216	ASN	N-CA-C	-5.39	102.69	110.40
2	6B	216	ASN	N-CA-C	-5.39	102.69	110.40
1	1M	97	SER	O-C-N	-5.39	118.56	123.41
1	1Q	117	PHE	CA-CB-CG	-5.39	108.41	113.80
1	1U	117	PHE	CA-CB-CG	-5.39	108.41	113.80
1	1Y	117	PHE	CA-CB-CG	-5.39	108.41	113.80
1	2I	97	SER	O-C-N	-5.39	118.56	123.41
1	2Q	117	PHE	CA-CB-CG	-5.39	108.41	113.80
1	2U	117	PHE	CA-CB-CG	-5.39	108.41	113.80
1	2Y	117	PHE	CA-CB-CG	-5.39	108.41	113.80
1	3A	97	SER	O-C-N	-5.39	118.56	123.41
1	3I	97	SER	O-C-N	-5.39	118.56	123.41
1	32	97	SER	O-C-N	-5.39	118.56	123.41
1	4E	97	SER	O-C-N	-5.39	118.56	123.41
1	4Y	97	SER	O-C-N	-5.39	118.56	123.41
1	42	117	PHE	CA-CB-CG	-5.39	108.41	113.80
1	46	117	PHE	CA-CB-CG	-5.39	108.41	113.80
1	5A	117	PHE	CA-CB-CG	-5.39	108.41	113.80
1	5U	97	SER	O-C-N	-5.39	118.56	123.41
1	52	117	PHE	CA-CB-CG	-5.39	108.41	113.80
1	56	117	PHE	CA-CB-CG	-5.39	108.41	113.80
1	6A	117	PHE	CA-CB-CG	-5.39	108.41	113.80
1	6M	97	SER	O-C-N	-5.39	118.56	123.41
1	6U	97	SER	O-C-N	-5.39	118.56	123.41
1	7E	97	SER	O-C-N	-5.39	118.56	123.41
1	7Q	97	SER	O-C-N	-5.39	118.56	123.41
2	1B	216	ASN	N-CA-C	-5.39	102.69	110.40
2	1J	216	ASN	N-CA-C	-5.39	102.69	110.40
1	12	7	GLN	CB-CA-C	-5.39	101.74	110.79
1	16	7	GLN	CB-CA-C	-5.39	101.74	110.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	7	GLN	CB-CA-C	-5.39	101.74	110.79
2	2F	216	ASN	N-CA-C	-5.39	102.69	110.40
2	27	216	ASN	N-CA-C	-5.39	102.69	110.40
2	3F	216	ASN	N-CA-C	-5.39	102.69	110.40
1	3Q	7	GLN	CB-CA-C	-5.39	101.74	110.79
1	3U	7	GLN	CB-CA-C	-5.39	101.74	110.79
1	3Y	7	GLN	CB-CA-C	-5.39	101.74	110.79
2	4B	216	ASN	N-CA-C	-5.39	102.69	110.40
2	4N	216	ASN	N-CA-C	-5.39	102.69	110.40
2	4V	216	ASN	N-CA-C	-5.39	102.69	110.40
1	5E	7	GLN	CB-CA-C	-5.39	101.74	110.79
1	5I	7	GLN	CB-CA-C	-5.39	101.74	110.79
1	5M	7	GLN	CB-CA-C	-5.39	101.74	110.79
2	5R	216	ASN	N-CA-C	-5.39	102.69	110.40
2	6J	216	ASN	N-CA-C	-5.39	102.69	110.40
2	6R	216	ASN	N-CA-C	-5.39	102.69	110.40
1	62	7	GLN	CB-CA-C	-5.39	101.74	110.79
1	66	7	GLN	CB-CA-C	-5.39	101.74	110.79
1	7A	7	GLN	CB-CA-C	-5.39	101.74	110.79
2	7N	216	ASN	N-CA-C	-5.39	102.69	110.40
2	1N	14	THR	CA-C-N	5.39	131.12	122.50
2	1N	14	THR	C-N-CA	5.39	131.12	122.50
3	1O	92[1]	ASN	CA-CB-CG	5.39	117.99	112.60
3	1O	92[2]	ASN	CA-CB-CG	5.39	117.99	112.60
2	2J	14	THR	CA-C-N	5.39	131.12	122.50
2	2J	14	THR	C-N-CA	5.39	131.12	122.50
3	2K	92[1]	ASN	CA-CB-CG	5.39	117.99	112.60
3	2K	92[2]	ASN	CA-CB-CG	5.39	117.99	112.60
2	3B	14	THR	CA-C-N	5.39	131.12	122.50
2	3B	14	THR	C-N-CA	5.39	131.12	122.50
3	3C	92[1]	ASN	CA-CB-CG	5.39	117.99	112.60
3	3C	92[2]	ASN	CA-CB-CG	5.39	117.99	112.60
2	3J	14	THR	CA-C-N	5.39	131.12	122.50
2	3J	14	THR	C-N-CA	5.39	131.12	122.50
3	3K	92[1]	ASN	CA-CB-CG	5.39	117.99	112.60
3	3K	92[2]	ASN	CA-CB-CG	5.39	117.99	112.60
2	33	14	THR	CA-C-N	5.39	131.12	122.50
2	33	14	THR	C-N-CA	5.39	131.12	122.50
3	34	92[1]	ASN	CA-CB-CG	5.39	117.99	112.60
3	34	92[2]	ASN	CA-CB-CG	5.39	117.99	112.60
2	4F	14	THR	CA-C-N	5.39	131.12	122.50
2	4F	14	THR	C-N-CA	5.39	131.12	122.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4G	92[1]	ASN	CA-CB-CG	5.39	117.99	112.60
3	4G	92[2]	ASN	CA-CB-CG	5.39	117.99	112.60
2	4Z	14	THR	CA-C-N	5.39	131.12	122.50
2	4Z	14	THR	C-N-CA	5.39	131.12	122.50
3	40	92[1]	ASN	CA-CB-CG	5.39	117.99	112.60
3	40	92[2]	ASN	CA-CB-CG	5.39	117.99	112.60
2	5V	14	THR	CA-C-N	5.39	131.12	122.50
2	5V	14	THR	C-N-CA	5.39	131.12	122.50
3	5W	92[1]	ASN	CA-CB-CG	5.39	117.99	112.60
3	5W	92[2]	ASN	CA-CB-CG	5.39	117.99	112.60
2	6N	14	THR	CA-C-N	5.39	131.12	122.50
2	6N	14	THR	C-N-CA	5.39	131.12	122.50
3	6O	92[1]	ASN	CA-CB-CG	5.39	117.99	112.60
3	6O	92[2]	ASN	CA-CB-CG	5.39	117.99	112.60
2	6V	14	THR	CA-C-N	5.39	131.12	122.50
2	6V	14	THR	C-N-CA	5.39	131.12	122.50
3	6W	92[1]	ASN	CA-CB-CG	5.39	117.99	112.60
3	6W	92[2]	ASN	CA-CB-CG	5.39	117.99	112.60
2	7F	14	THR	CA-C-N	5.39	131.12	122.50
2	7F	14	THR	C-N-CA	5.39	131.12	122.50
3	7G	92[1]	ASN	CA-CB-CG	5.39	117.99	112.60
3	7G	92[2]	ASN	CA-CB-CG	5.39	117.99	112.60
2	7R	14	THR	CA-C-N	5.39	131.12	122.50
2	7R	14	THR	C-N-CA	5.39	131.12	122.50
3	7S	92[1]	ASN	CA-CB-CG	5.39	117.99	112.60
3	7S	92[2]	ASN	CA-CB-CG	5.39	117.99	112.60
1	1A	7	GLN	CB-CA-C	-5.38	101.74	110.79
3	1C	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	1C	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
1	1I	7	GLN	CB-CA-C	-5.38	101.74	110.79
3	1K	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	1K	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
1	2E	7	GLN	CB-CA-C	-5.38	101.74	110.79
3	2G	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	2G	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
1	26	7	GLN	CB-CA-C	-5.38	101.74	110.79
3	28	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	28	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
1	3E	7	GLN	CB-CA-C	-5.38	101.74	110.79
3	3G	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	3G	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
1	4A	7	GLN	CB-CA-C	-5.38	101.74	110.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4C	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	4C	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
1	4M	7	GLN	CB-CA-C	-5.38	101.74	110.79
3	4O	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	4O	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
1	4U	7	GLN	CB-CA-C	-5.38	101.74	110.79
3	4W	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	4W	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
1	5Q	7	GLN	CB-CA-C	-5.38	101.74	110.79
3	5S	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	5S	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
1	6I	7	GLN	CB-CA-C	-5.38	101.74	110.79
3	6K	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	6K	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
1	6Q	7	GLN	CB-CA-C	-5.38	101.74	110.79
3	6S	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	6S	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
1	7M	7	GLN	CB-CA-C	-5.38	101.74	110.79
3	7O	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	7O	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
2	13	216	ASN	N-CA-C	-5.38	102.70	110.40
2	17	216	ASN	N-CA-C	-5.38	102.70	110.40
2	2B	216	ASN	N-CA-C	-5.38	102.70	110.40
2	3R	216	ASN	N-CA-C	-5.38	102.70	110.40
2	3V	216	ASN	N-CA-C	-5.38	102.70	110.40
2	3Z	216	ASN	N-CA-C	-5.38	102.70	110.40
2	5F	216	ASN	N-CA-C	-5.38	102.70	110.40
2	5J	216	ASN	N-CA-C	-5.38	102.70	110.40
2	5N	216	ASN	N-CA-C	-5.38	102.70	110.40
2	63	216	ASN	N-CA-C	-5.38	102.70	110.40
2	67	216	ASN	N-CA-C	-5.38	102.70	110.40
2	7B	216	ASN	N-CA-C	-5.38	102.70	110.40
3	1S	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	1S	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
3	1W	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	1W	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
3	10	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	10	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
3	2S	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	2S	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
3	2W	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	2W	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	20	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	20	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
3	44	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	44	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
3	48	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	48	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
3	5C	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	5C	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
3	54	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	54	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
3	58	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	58	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
3	6C	92[1]	ASN	CA-CB-CG	5.38	117.98	112.60
3	6C	92[2]	ASN	CA-CB-CG	5.38	117.98	112.60
2	1N	216	ASN	N-CA-C	-5.38	102.71	110.40
2	2J	216	ASN	N-CA-C	-5.38	102.71	110.40
2	3B	216	ASN	N-CA-C	-5.38	102.71	110.40
2	3J	216	ASN	N-CA-C	-5.38	102.71	110.40
2	33	216	ASN	N-CA-C	-5.38	102.71	110.40
2	4F	216	ASN	N-CA-C	-5.38	102.71	110.40
2	4Z	216	ASN	N-CA-C	-5.38	102.71	110.40
2	5V	216	ASN	N-CA-C	-5.38	102.71	110.40
2	6N	216	ASN	N-CA-C	-5.38	102.71	110.40
2	6V	216	ASN	N-CA-C	-5.38	102.71	110.40
2	7F	216	ASN	N-CA-C	-5.38	102.71	110.40
2	7R	216	ASN	N-CA-C	-5.38	102.71	110.40
1	1E	7	GLN	CB-CA-C	-5.37	101.76	110.79
2	13	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	17	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	2B	153	ASN	CA-CB-CG	-5.37	107.23	112.60
1	2M	7	GLN	CB-CA-C	-5.37	101.76	110.79
1	22	7	GLN	CB-CA-C	-5.37	101.76	110.79
1	3M	7	GLN	CB-CA-C	-5.37	101.76	110.79
2	3R	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	3V	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	3Z	153	ASN	CA-CB-CG	-5.37	107.23	112.60
1	36	7	GLN	CB-CA-C	-5.37	101.76	110.79
1	4I	7	GLN	CB-CA-C	-5.37	101.76	110.79
1	4Q	7	GLN	CB-CA-C	-5.37	101.76	110.79
2	5F	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	5J	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	5N	153	ASN	CA-CB-CG	-5.37	107.23	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	7	GLN	CB-CA-C	-5.37	101.76	110.79
1	6E	7	GLN	CB-CA-C	-5.37	101.76	110.79
1	6Y	7	GLN	CB-CA-C	-5.37	101.76	110.79
2	63	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	67	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	7B	153	ASN	CA-CB-CG	-5.37	107.23	112.60
1	7I	7	GLN	CB-CA-C	-5.37	101.76	110.79
1	7U	7	GLN	CB-CA-C	-5.37	101.76	110.79
2	1F	40	ASN	CA-CB-CG	5.37	117.97	112.60
2	2N	40	ASN	CA-CB-CG	5.37	117.97	112.60
2	23	40	ASN	CA-CB-CG	5.37	117.97	112.60
2	3N	40	ASN	CA-CB-CG	5.37	117.97	112.60
2	37	40	ASN	CA-CB-CG	5.37	117.97	112.60
2	4J	40	ASN	CA-CB-CG	5.37	117.97	112.60
2	4R	40	ASN	CA-CB-CG	5.37	117.97	112.60
2	5Z	40	ASN	CA-CB-CG	5.37	117.97	112.60
2	6F	40	ASN	CA-CB-CG	5.37	117.97	112.60
2	6Z	40	ASN	CA-CB-CG	5.37	117.97	112.60
2	7J	40	ASN	CA-CB-CG	5.37	117.97	112.60
2	7V	40	ASN	CA-CB-CG	5.37	117.97	112.60
2	1B	14	THR	CA-C-N	5.37	131.09	122.50
2	1B	14	THR	C-N-CA	5.37	131.09	122.50
2	1F	14	THR	CA-C-N	5.37	131.09	122.50
2	1F	14	THR	C-N-CA	5.37	131.09	122.50
2	1J	14	THR	CA-C-N	5.37	131.09	122.50
2	1J	14	THR	C-N-CA	5.37	131.09	122.50
2	1R	14	THR	CA-C-N	5.37	131.09	122.50
2	1R	14	THR	C-N-CA	5.37	131.09	122.50
2	1R	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	1V	14	THR	CA-C-N	5.37	131.09	122.50
2	1V	14	THR	C-N-CA	5.37	131.09	122.50
2	1V	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	1Z	14	THR	CA-C-N	5.37	131.09	122.50
2	1Z	14	THR	C-N-CA	5.37	131.09	122.50
2	1Z	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	2F	14	THR	CA-C-N	5.37	131.09	122.50
2	2F	14	THR	C-N-CA	5.37	131.09	122.50
2	2N	14	THR	CA-C-N	5.37	131.09	122.50
2	2N	14	THR	C-N-CA	5.37	131.09	122.50
2	2R	14	THR	CA-C-N	5.37	131.09	122.50
2	2R	14	THR	C-N-CA	5.37	131.09	122.50
2	2R	153	ASN	CA-CB-CG	-5.37	107.23	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	14	THR	CA-C-N	5.37	131.09	122.50
2	2V	14	THR	C-N-CA	5.37	131.09	122.50
2	2V	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	2Z	14	THR	CA-C-N	5.37	131.09	122.50
2	2Z	14	THR	C-N-CA	5.37	131.09	122.50
2	2Z	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	23	14	THR	CA-C-N	5.37	131.09	122.50
2	23	14	THR	C-N-CA	5.37	131.09	122.50
2	27	14	THR	CA-C-N	5.37	131.09	122.50
2	27	14	THR	C-N-CA	5.37	131.09	122.50
2	3F	14	THR	CA-C-N	5.37	131.09	122.50
2	3F	14	THR	C-N-CA	5.37	131.09	122.50
2	3N	14	THR	CA-C-N	5.37	131.09	122.50
2	3N	14	THR	C-N-CA	5.37	131.09	122.50
2	37	14	THR	CA-C-N	5.37	131.09	122.50
2	37	14	THR	C-N-CA	5.37	131.09	122.50
2	4B	14	THR	CA-C-N	5.37	131.09	122.50
2	4B	14	THR	C-N-CA	5.37	131.09	122.50
2	4J	14	THR	CA-C-N	5.37	131.09	122.50
2	4J	14	THR	C-N-CA	5.37	131.09	122.50
2	4N	14	THR	CA-C-N	5.37	131.09	122.50
2	4N	14	THR	C-N-CA	5.37	131.09	122.50
2	4R	14	THR	CA-C-N	5.37	131.09	122.50
2	4R	14	THR	C-N-CA	5.37	131.09	122.50
2	4V	14	THR	CA-C-N	5.37	131.09	122.50
2	4V	14	THR	C-N-CA	5.37	131.09	122.50
2	43	14	THR	CA-C-N	5.37	131.09	122.50
2	43	14	THR	C-N-CA	5.37	131.09	122.50
2	43	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	47	14	THR	CA-C-N	5.37	131.09	122.50
2	47	14	THR	C-N-CA	5.37	131.09	122.50
2	47	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	5B	14	THR	CA-C-N	5.37	131.09	122.50
2	5B	14	THR	C-N-CA	5.37	131.09	122.50
2	5B	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	5R	14	THR	CA-C-N	5.37	131.09	122.50
2	5R	14	THR	C-N-CA	5.37	131.09	122.50
2	5Z	14	THR	CA-C-N	5.37	131.09	122.50
2	5Z	14	THR	C-N-CA	5.37	131.09	122.50
2	53	14	THR	CA-C-N	5.37	131.09	122.50
2	53	14	THR	C-N-CA	5.37	131.09	122.50
2	53	153	ASN	CA-CB-CG	-5.37	107.23	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	14	THR	CA-C-N	5.37	131.09	122.50
2	57	14	THR	C-N-CA	5.37	131.09	122.50
2	57	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	6B	14	THR	CA-C-N	5.37	131.09	122.50
2	6B	14	THR	C-N-CA	5.37	131.09	122.50
2	6B	153	ASN	CA-CB-CG	-5.37	107.23	112.60
2	6F	14	THR	CA-C-N	5.37	131.09	122.50
2	6F	14	THR	C-N-CA	5.37	131.09	122.50
2	6J	14	THR	CA-C-N	5.37	131.09	122.50
2	6J	14	THR	C-N-CA	5.37	131.09	122.50
2	6R	14	THR	CA-C-N	5.37	131.09	122.50
2	6R	14	THR	C-N-CA	5.37	131.09	122.50
2	6Z	14	THR	CA-C-N	5.37	131.09	122.50
2	6Z	14	THR	C-N-CA	5.37	131.09	122.50
2	7J	14	THR	CA-C-N	5.37	131.09	122.50
2	7J	14	THR	C-N-CA	5.37	131.09	122.50
2	7N	14	THR	CA-C-N	5.37	131.09	122.50
2	7N	14	THR	C-N-CA	5.37	131.09	122.50
2	7V	14	THR	CA-C-N	5.37	131.09	122.50
2	7V	14	THR	C-N-CA	5.37	131.09	122.50
1	1Q	7	GLN	CB-CA-C	-5.37	101.77	110.79
1	1U	7	GLN	CB-CA-C	-5.37	101.77	110.79
1	1Y	7	GLN	CB-CA-C	-5.37	101.77	110.79
1	2Q	7	GLN	CB-CA-C	-5.37	101.77	110.79
1	2U	7	GLN	CB-CA-C	-5.37	101.77	110.79
1	2Y	7	GLN	CB-CA-C	-5.37	101.77	110.79
1	42	7	GLN	CB-CA-C	-5.37	101.77	110.79
1	46	7	GLN	CB-CA-C	-5.37	101.77	110.79
1	5A	7	GLN	CB-CA-C	-5.37	101.77	110.79
1	52	7	GLN	CB-CA-C	-5.37	101.77	110.79
1	56	7	GLN	CB-CA-C	-5.37	101.77	110.79
1	6A	7	GLN	CB-CA-C	-5.37	101.77	110.79
2	13	14	THR	CA-C-N	5.36	131.08	122.50
2	13	14	THR	C-N-CA	5.36	131.08	122.50
2	17	14	THR	CA-C-N	5.36	131.08	122.50
2	17	14	THR	C-N-CA	5.36	131.08	122.50
2	2B	14	THR	CA-C-N	5.36	131.08	122.50
2	2B	14	THR	C-N-CA	5.36	131.08	122.50
2	3R	14	THR	CA-C-N	5.36	131.08	122.50
2	3R	14	THR	C-N-CA	5.36	131.08	122.50
2	3V	14	THR	CA-C-N	5.36	131.08	122.50
2	3V	14	THR	C-N-CA	5.36	131.08	122.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3Z	14	THR	CA-C-N	5.36	131.08	122.50
2	3Z	14	THR	C-N-CA	5.36	131.08	122.50
2	5F	14	THR	CA-C-N	5.36	131.08	122.50
2	5F	14	THR	C-N-CA	5.36	131.08	122.50
2	5J	14	THR	CA-C-N	5.36	131.08	122.50
2	5J	14	THR	C-N-CA	5.36	131.08	122.50
2	5N	14	THR	CA-C-N	5.36	131.08	122.50
2	5N	14	THR	C-N-CA	5.36	131.08	122.50
2	63	14	THR	CA-C-N	5.36	131.08	122.50
2	63	14	THR	C-N-CA	5.36	131.08	122.50
2	67	14	THR	CA-C-N	5.36	131.08	122.50
2	67	14	THR	C-N-CA	5.36	131.08	122.50
2	7B	14	THR	CA-C-N	5.36	131.08	122.50
2	7B	14	THR	C-N-CA	5.36	131.08	122.50
1	1A	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	1E	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	1I	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	2E	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	2M	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	22	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	26	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	3E	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	3M	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	36	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	4A	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	4I	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	4M	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	4Q	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	4U	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	5Q	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	5Y	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	6E	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	6I	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	6Q	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	6Y	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	7I	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	7M	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	7U	9	PHE	CB-CG-CD1	-5.36	111.59	120.70
1	1E	9	PHE	N-CA-CB	5.35	118.38	109.60
1	1E	119	ILE	N-CA-C	-5.35	98.77	107.28
1	1M	119	ILE	N-CA-C	-5.35	98.77	107.28
1	1Q	9	PHE	CB-CG-CD1	-5.35	111.60	120.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1U	9	PHE	CB-CG-CD1	-5.35	111.60	120.70
1	1Y	9	PHE	CB-CG-CD1	-5.35	111.60	120.70
1	2I	119	ILE	N-CA-C	-5.35	98.77	107.28
1	2M	9	PHE	N-CA-CB	5.35	118.38	109.60
1	2M	119	ILE	N-CA-C	-5.35	98.77	107.28
1	2Q	9	PHE	CB-CG-CD1	-5.35	111.60	120.70
1	2U	9	PHE	CB-CG-CD1	-5.35	111.60	120.70
1	2Y	9	PHE	CB-CG-CD1	-5.35	111.60	120.70
1	22	9	PHE	N-CA-CB	5.35	118.38	109.60
1	22	119	ILE	N-CA-C	-5.35	98.77	107.28
1	3A	119	ILE	N-CA-C	-5.35	98.77	107.28
1	3I	119	ILE	N-CA-C	-5.35	98.77	107.28
1	3M	9	PHE	N-CA-CB	5.35	118.38	109.60
1	3M	119	ILE	N-CA-C	-5.35	98.77	107.28
1	32	119	ILE	N-CA-C	-5.35	98.77	107.28
1	36	9	PHE	N-CA-CB	5.35	118.38	109.60
1	36	119	ILE	N-CA-C	-5.35	98.77	107.28
1	4E	119	ILE	N-CA-C	-5.35	98.77	107.28
1	4I	9	PHE	N-CA-CB	5.35	118.38	109.60
1	4I	119	ILE	N-CA-C	-5.35	98.77	107.28
1	4Q	9	PHE	N-CA-CB	5.35	118.38	109.60
1	4Q	119	ILE	N-CA-C	-5.35	98.77	107.28
1	4Y	119	ILE	N-CA-C	-5.35	98.77	107.28
1	42	9	PHE	CB-CG-CD1	-5.35	111.60	120.70
1	46	9	PHE	CB-CG-CD1	-5.35	111.60	120.70
1	5A	9	PHE	CB-CG-CD1	-5.35	111.60	120.70
1	5U	119	ILE	N-CA-C	-5.35	98.77	107.28
1	5Y	9	PHE	N-CA-CB	5.35	118.38	109.60
1	5Y	119	ILE	N-CA-C	-5.35	98.77	107.28
1	52	9	PHE	CB-CG-CD1	-5.35	111.60	120.70
1	56	9	PHE	CB-CG-CD1	-5.35	111.60	120.70
1	6A	9	PHE	CB-CG-CD1	-5.35	111.60	120.70
1	6E	9	PHE	N-CA-CB	5.35	118.38	109.60
1	6E	119	ILE	N-CA-C	-5.35	98.77	107.28
1	6M	119	ILE	N-CA-C	-5.35	98.77	107.28
1	6U	119	ILE	N-CA-C	-5.35	98.77	107.28
1	6Y	9	PHE	N-CA-CB	5.35	118.38	109.60
1	6Y	119	ILE	N-CA-C	-5.35	98.77	107.28
1	7E	119	ILE	N-CA-C	-5.35	98.77	107.28
1	7I	9	PHE	N-CA-CB	5.35	118.38	109.60
1	7I	119	ILE	N-CA-C	-5.35	98.77	107.28
1	7Q	119	ILE	N-CA-C	-5.35	98.77	107.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	9	PHE	N-CA-CB	5.35	118.38	109.60
1	7U	119	ILE	N-CA-C	-5.35	98.77	107.28
1	1A	119	ILE	N-CA-C	-5.34	98.78	107.28
1	1I	119	ILE	N-CA-C	-5.34	98.78	107.28
2	1R	40	ASN	CA-CB-CG	5.34	117.94	112.60
2	1V	40	ASN	CA-CB-CG	5.34	117.94	112.60
2	1Z	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	2E	119	ILE	N-CA-C	-5.34	98.78	107.28
2	2R	40	ASN	CA-CB-CG	5.34	117.94	112.60
2	2V	40	ASN	CA-CB-CG	5.34	117.94	112.60
2	2Z	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	26	119	ILE	N-CA-C	-5.34	98.78	107.28
1	3E	119	ILE	N-CA-C	-5.34	98.78	107.28
1	4A	119	ILE	N-CA-C	-5.34	98.78	107.28
1	4M	119	ILE	N-CA-C	-5.34	98.78	107.28
1	4U	119	ILE	N-CA-C	-5.34	98.78	107.28
2	43	40	ASN	CA-CB-CG	5.34	117.94	112.60
2	47	40	ASN	CA-CB-CG	5.34	117.94	112.60
2	5B	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	5Q	119	ILE	N-CA-C	-5.34	98.78	107.28
2	53	40	ASN	CA-CB-CG	5.34	117.94	112.60
2	57	40	ASN	CA-CB-CG	5.34	117.94	112.60
2	6B	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	6I	119	ILE	N-CA-C	-5.34	98.78	107.28
1	6Q	119	ILE	N-CA-C	-5.34	98.78	107.28
1	7M	119	ILE	N-CA-C	-5.34	98.78	107.28
2	1B	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	1J	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	2F	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	27	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	3F	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	4B	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	4N	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	4V	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	5R	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	6J	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	6R	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	7N	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	1F	153	ASN	CA-CB-CG	-5.34	107.26	112.60
1	1M	9	PHE	N-CA-CB	5.34	118.36	109.60
1	2I	9	PHE	N-CA-CB	5.34	118.36	109.60
2	2N	153	ASN	CA-CB-CG	-5.34	107.26	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	23	153	ASN	CA-CB-CG	-5.34	107.26	112.60
1	3A	9	PHE	N-CA-CB	5.34	118.36	109.60
1	3I	9	PHE	N-CA-CB	5.34	118.36	109.60
2	3N	153	ASN	CA-CB-CG	-5.34	107.26	112.60
1	32	9	PHE	N-CA-CB	5.34	118.36	109.60
2	37	153	ASN	CA-CB-CG	-5.34	107.26	112.60
1	4E	9	PHE	N-CA-CB	5.34	118.36	109.60
2	4J	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	4R	153	ASN	CA-CB-CG	-5.34	107.26	112.60
1	4Y	9	PHE	N-CA-CB	5.34	118.36	109.60
1	5U	9	PHE	N-CA-CB	5.34	118.36	109.60
2	5Z	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	6F	153	ASN	CA-CB-CG	-5.34	107.26	112.60
1	6M	9	PHE	N-CA-CB	5.34	118.36	109.60
1	6U	9	PHE	N-CA-CB	5.34	118.36	109.60
2	6Z	153	ASN	CA-CB-CG	-5.34	107.26	112.60
1	7E	9	PHE	N-CA-CB	5.34	118.36	109.60
2	7J	153	ASN	CA-CB-CG	-5.34	107.26	112.60
1	7Q	9	PHE	N-CA-CB	5.34	118.36	109.60
2	7V	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	1N	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	2J	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	3B	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	3J	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	33	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	4F	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	4Z	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	5V	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	6N	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	6V	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	7F	153	ASN	CA-CB-CG	-5.34	107.26	112.60
2	7R	153	ASN	CA-CB-CG	-5.34	107.26	112.60
1	1A	9	PHE	N-CA-CB	5.34	118.36	109.60
2	1B	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	1I	9	PHE	N-CA-CB	5.34	118.36	109.60
2	1J	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	1M	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	12	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	16	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	2A	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	2E	9	PHE	N-CA-CB	5.34	118.36	109.60
2	2F	40	ASN	CA-CB-CG	5.34	117.94	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2I	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	26	9	PHE	N-CA-CB	5.34	118.36	109.60
2	27	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	3A	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	3E	9	PHE	N-CA-CB	5.34	118.36	109.60
2	3F	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	3I	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	3Q	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	3U	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	3Y	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	32	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	4A	9	PHE	N-CA-CB	5.34	118.36	109.60
2	4B	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	4E	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	4M	9	PHE	N-CA-CB	5.34	118.36	109.60
2	4N	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	4U	9	PHE	N-CA-CB	5.34	118.36	109.60
2	4V	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	4Y	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	5E	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	5I	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	5M	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	5Q	9	PHE	N-CA-CB	5.34	118.36	109.60
2	5R	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	5U	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	6I	9	PHE	N-CA-CB	5.34	118.36	109.60
2	6J	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	6M	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	6Q	9	PHE	N-CA-CB	5.34	118.36	109.60
2	6R	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	6U	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	62	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	66	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	7A	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	7E	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	7M	9	PHE	N-CA-CB	5.34	118.36	109.60
2	7N	40	ASN	CA-CB-CG	5.34	117.94	112.60
1	7Q	169	ASP	CB-CG-OD2	5.34	130.68	118.40
1	1Q	92	ASN	CB-CA-C	-5.34	99.80	110.42
1	1U	92	ASN	CB-CA-C	-5.34	99.80	110.42
1	1Y	92	ASN	CB-CA-C	-5.34	99.80	110.42
1	2Q	92	ASN	CB-CA-C	-5.34	99.80	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	92	ASN	CB-CA-C	-5.34	99.80	110.42
1	2Y	92	ASN	CB-CA-C	-5.34	99.80	110.42
1	42	92	ASN	CB-CA-C	-5.34	99.80	110.42
1	46	92	ASN	CB-CA-C	-5.34	99.80	110.42
1	5A	92	ASN	CB-CA-C	-5.34	99.80	110.42
1	52	92	ASN	CB-CA-C	-5.34	99.80	110.42
1	56	92	ASN	CB-CA-C	-5.34	99.80	110.42
1	6A	92	ASN	CB-CA-C	-5.34	99.80	110.42
1	1M	9	PHE	CB-CG-CD1	-5.33	111.63	120.70
1	2I	9	PHE	CB-CG-CD1	-5.33	111.63	120.70
1	3A	9	PHE	CB-CG-CD1	-5.33	111.63	120.70
1	3I	9	PHE	CB-CG-CD1	-5.33	111.63	120.70
1	32	9	PHE	CB-CG-CD1	-5.33	111.63	120.70
1	4E	9	PHE	CB-CG-CD1	-5.33	111.63	120.70
1	4Y	9	PHE	CB-CG-CD1	-5.33	111.63	120.70
1	5U	9	PHE	CB-CG-CD1	-5.33	111.63	120.70
1	6M	9	PHE	CB-CG-CD1	-5.33	111.63	120.70
1	6U	9	PHE	CB-CG-CD1	-5.33	111.63	120.70
1	7E	9	PHE	CB-CG-CD1	-5.33	111.63	120.70
1	7Q	9	PHE	CB-CG-CD1	-5.33	111.63	120.70
1	12	92	ASN	CB-CA-C	-5.33	99.81	110.42
1	16	92	ASN	CB-CA-C	-5.33	99.81	110.42
1	2A	92	ASN	CB-CA-C	-5.33	99.81	110.42
1	3Q	92	ASN	CB-CA-C	-5.33	99.81	110.42
1	3U	92	ASN	CB-CA-C	-5.33	99.81	110.42
1	3Y	92	ASN	CB-CA-C	-5.33	99.81	110.42
1	5E	92	ASN	CB-CA-C	-5.33	99.81	110.42
1	5I	92	ASN	CB-CA-C	-5.33	99.81	110.42
1	5M	92	ASN	CB-CA-C	-5.33	99.81	110.42
1	62	92	ASN	CB-CA-C	-5.33	99.81	110.42
1	66	92	ASN	CB-CA-C	-5.33	99.81	110.42
1	7A	92	ASN	CB-CA-C	-5.33	99.81	110.42
1	1Q	9	PHE	N-CA-CB	5.33	118.34	109.60
1	1U	9	PHE	N-CA-CB	5.33	118.34	109.60
1	1Y	9	PHE	N-CA-CB	5.33	118.34	109.60
1	2Q	9	PHE	N-CA-CB	5.33	118.34	109.60
1	2U	9	PHE	N-CA-CB	5.33	118.34	109.60
1	2Y	9	PHE	N-CA-CB	5.33	118.34	109.60
1	42	9	PHE	N-CA-CB	5.33	118.34	109.60
1	46	9	PHE	N-CA-CB	5.33	118.34	109.60
1	5A	9	PHE	N-CA-CB	5.33	118.34	109.60
1	52	9	PHE	N-CA-CB	5.33	118.34	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	9	PHE	N-CA-CB	5.33	118.34	109.60
1	6A	9	PHE	N-CA-CB	5.33	118.34	109.60
1	1M	145	LEU	CA-CB-CG	-5.33	97.65	116.30
1	2I	145	LEU	CA-CB-CG	-5.33	97.65	116.30
1	3A	145	LEU	CA-CB-CG	-5.33	97.65	116.30
1	3I	145	LEU	CA-CB-CG	-5.33	97.65	116.30
1	32	145	LEU	CA-CB-CG	-5.33	97.65	116.30
1	4E	145	LEU	CA-CB-CG	-5.33	97.65	116.30
1	4Y	145	LEU	CA-CB-CG	-5.33	97.65	116.30
1	5U	145	LEU	CA-CB-CG	-5.33	97.65	116.30
1	6M	145	LEU	CA-CB-CG	-5.33	97.65	116.30
1	6U	145	LEU	CA-CB-CG	-5.33	97.65	116.30
1	7E	145	LEU	CA-CB-CG	-5.33	97.65	116.30
1	7Q	145	LEU	CA-CB-CG	-5.33	97.65	116.30
1	1A	92	ASN	CB-CA-C	-5.33	99.82	110.42
1	1I	92	ASN	CB-CA-C	-5.33	99.82	110.42
1	2E	92	ASN	CB-CA-C	-5.33	99.82	110.42
1	26	92	ASN	CB-CA-C	-5.33	99.82	110.42
1	3E	92	ASN	CB-CA-C	-5.33	99.82	110.42
1	4A	92	ASN	CB-CA-C	-5.33	99.82	110.42
1	4M	92	ASN	CB-CA-C	-5.33	99.82	110.42
1	4U	92	ASN	CB-CA-C	-5.33	99.82	110.42
1	5Q	92	ASN	CB-CA-C	-5.33	99.82	110.42
1	6I	92	ASN	CB-CA-C	-5.33	99.82	110.42
1	6Q	92	ASN	CB-CA-C	-5.33	99.82	110.42
1	7M	92	ASN	CB-CA-C	-5.33	99.82	110.42
1	1A	145	LEU	CA-CB-CG	-5.33	97.66	116.30
1	1I	145	LEU	CA-CB-CG	-5.33	97.66	116.30
2	13	40	ASN	CA-CB-CG	5.33	117.92	112.60
2	17	40	ASN	CA-CB-CG	5.33	117.92	112.60
2	2B	40	ASN	CA-CB-CG	5.33	117.92	112.60
1	2E	145	LEU	CA-CB-CG	-5.33	97.66	116.30
1	26	145	LEU	CA-CB-CG	-5.33	97.66	116.30
1	3E	145	LEU	CA-CB-CG	-5.33	97.66	116.30
2	3R	40	ASN	CA-CB-CG	5.33	117.92	112.60
2	3V	40	ASN	CA-CB-CG	5.33	117.92	112.60
2	3Z	40	ASN	CA-CB-CG	5.33	117.92	112.60
1	4A	145	LEU	CA-CB-CG	-5.33	97.66	116.30
1	4M	145	LEU	CA-CB-CG	-5.33	97.66	116.30
1	4U	145	LEU	CA-CB-CG	-5.33	97.66	116.30
2	5F	40	ASN	CA-CB-CG	5.33	117.92	112.60
2	5J	40	ASN	CA-CB-CG	5.33	117.92	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5N	40	ASN	CA-CB-CG	5.33	117.92	112.60
1	5Q	145	LEU	CA-CB-CG	-5.33	97.66	116.30
1	6I	145	LEU	CA-CB-CG	-5.33	97.66	116.30
1	6Q	145	LEU	CA-CB-CG	-5.33	97.66	116.30
2	63	40	ASN	CA-CB-CG	5.33	117.92	112.60
2	67	40	ASN	CA-CB-CG	5.33	117.92	112.60
2	7B	40	ASN	CA-CB-CG	5.33	117.92	112.60
1	7M	145	LEU	CA-CB-CG	-5.33	97.66	116.30
1	12	9	PHE	CB-CG-CD1	-5.32	111.65	120.70
1	16	9	PHE	CB-CG-CD1	-5.32	111.65	120.70
1	2A	9	PHE	CB-CG-CD1	-5.32	111.65	120.70
1	3Q	9	PHE	CB-CG-CD1	-5.32	111.65	120.70
1	3U	9	PHE	CB-CG-CD1	-5.32	111.65	120.70
1	3Y	9	PHE	CB-CG-CD1	-5.32	111.65	120.70
1	5E	9	PHE	CB-CG-CD1	-5.32	111.65	120.70
1	5I	9	PHE	CB-CG-CD1	-5.32	111.65	120.70
1	5M	9	PHE	CB-CG-CD1	-5.32	111.65	120.70
1	62	9	PHE	CB-CG-CD1	-5.32	111.65	120.70
1	66	9	PHE	CB-CG-CD1	-5.32	111.65	120.70
1	7A	9	PHE	CB-CG-CD1	-5.32	111.65	120.70
1	1E	145	LEU	CA-CB-CG	-5.32	97.68	116.30
1	1Q	119	ILE	N-CA-C	-5.32	98.82	107.28
1	1U	119	ILE	N-CA-C	-5.32	98.82	107.28
1	1Y	119	ILE	N-CA-C	-5.32	98.82	107.28
1	2M	145	LEU	CA-CB-CG	-5.32	97.68	116.30
1	2Q	119	ILE	N-CA-C	-5.32	98.82	107.28
1	2U	119	ILE	N-CA-C	-5.32	98.82	107.28
1	2Y	119	ILE	N-CA-C	-5.32	98.82	107.28
1	22	145	LEU	CA-CB-CG	-5.32	97.68	116.30
1	3M	145	LEU	CA-CB-CG	-5.32	97.68	116.30
1	36	145	LEU	CA-CB-CG	-5.32	97.68	116.30
1	4I	145	LEU	CA-CB-CG	-5.32	97.68	116.30
1	4Q	145	LEU	CA-CB-CG	-5.32	97.68	116.30
1	42	119	ILE	N-CA-C	-5.32	98.82	107.28
1	46	119	ILE	N-CA-C	-5.32	98.82	107.28
1	5A	119	ILE	N-CA-C	-5.32	98.82	107.28
1	5Y	145	LEU	CA-CB-CG	-5.32	97.68	116.30
1	52	119	ILE	N-CA-C	-5.32	98.82	107.28
1	56	119	ILE	N-CA-C	-5.32	98.82	107.28
1	6A	119	ILE	N-CA-C	-5.32	98.82	107.28
1	6E	145	LEU	CA-CB-CG	-5.32	97.68	116.30
1	6Y	145	LEU	CA-CB-CG	-5.32	97.68	116.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7I	145	LEU	CA-CB-CG	-5.32	97.68	116.30
1	7U	145	LEU	CA-CB-CG	-5.32	97.68	116.30
1	1Q	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	1U	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	1Y	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	12	9	PHE	N-CA-CB	5.32	118.32	109.60
1	12	119	ILE	N-CA-C	-5.32	98.82	107.28
1	16	9	PHE	N-CA-CB	5.32	118.32	109.60
1	16	119	ILE	N-CA-C	-5.32	98.82	107.28
1	2A	9	PHE	N-CA-CB	5.32	118.32	109.60
1	2A	119	ILE	N-CA-C	-5.32	98.82	107.28
1	2Q	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	2U	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	2Y	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	3Q	9	PHE	N-CA-CB	5.32	118.32	109.60
1	3Q	119	ILE	N-CA-C	-5.32	98.82	107.28
1	3U	9	PHE	N-CA-CB	5.32	118.32	109.60
1	3U	119	ILE	N-CA-C	-5.32	98.82	107.28
1	3Y	9	PHE	N-CA-CB	5.32	118.32	109.60
1	3Y	119	ILE	N-CA-C	-5.32	98.82	107.28
1	42	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	46	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	5A	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	5E	9	PHE	N-CA-CB	5.32	118.32	109.60
1	5E	119	ILE	N-CA-C	-5.32	98.82	107.28
1	5I	9	PHE	N-CA-CB	5.32	118.32	109.60
1	5I	119	ILE	N-CA-C	-5.32	98.82	107.28
1	5M	9	PHE	N-CA-CB	5.32	118.32	109.60
1	5M	119	ILE	N-CA-C	-5.32	98.82	107.28
1	52	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	56	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	6A	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	62	9	PHE	N-CA-CB	5.32	118.32	109.60
1	62	119	ILE	N-CA-C	-5.32	98.82	107.28
1	66	9	PHE	N-CA-CB	5.32	118.32	109.60
1	66	119	ILE	N-CA-C	-5.32	98.82	107.28
1	7A	9	PHE	N-CA-CB	5.32	118.32	109.60
1	7A	119	ILE	N-CA-C	-5.32	98.82	107.28
1	1E	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	1Q	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	1U	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	1Y	145	LEU	CA-CB-CG	-5.32	97.69	116.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	12	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	16	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	2A	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	2M	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	2Q	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	2U	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	2Y	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	22	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	3M	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	3Q	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	3U	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	3Y	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	36	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	4I	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	4Q	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	42	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	46	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	5A	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	5E	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	5I	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	5M	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	5Y	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	52	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	56	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	6A	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	6E	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	6Y	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	62	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	66	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	7A	145	LEU	CA-CB-CG	-5.32	97.69	116.30
1	7I	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	7U	169	ASP	CB-CG-OD2	5.32	130.63	118.40
1	1E	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	1M	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	2I	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	2M	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	22	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	3A	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	3I	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	3M	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	32	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	36	92	ASN	CB-CA-C	-5.32	99.84	110.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	4I	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	4Q	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	4Y	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	5U	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	5Y	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	6E	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	6M	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	6U	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	6Y	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	7E	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	7I	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	7Q	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	7U	92	ASN	CB-CA-C	-5.32	99.84	110.42
1	1A	169	ASP	CB-CG-OD2	5.31	130.62	118.40
1	1I	169	ASP	CB-CG-OD2	5.31	130.62	118.40
1	2E	169	ASP	CB-CG-OD2	5.31	130.62	118.40
1	26	169	ASP	CB-CG-OD2	5.31	130.62	118.40
1	3E	169	ASP	CB-CG-OD2	5.31	130.62	118.40
1	4A	169	ASP	CB-CG-OD2	5.31	130.62	118.40
1	4M	169	ASP	CB-CG-OD2	5.31	130.62	118.40
1	4U	169	ASP	CB-CG-OD2	5.31	130.62	118.40
1	5Q	169	ASP	CB-CG-OD2	5.31	130.62	118.40
1	6I	169	ASP	CB-CG-OD2	5.31	130.62	118.40
1	6Q	169	ASP	CB-CG-OD2	5.31	130.62	118.40
1	7M	169	ASP	CB-CG-OD2	5.31	130.62	118.40
2	13	182	GLN	N-CA-CB	5.31	118.88	110.55
2	17	182	GLN	N-CA-CB	5.31	118.88	110.55
2	2B	182	GLN	N-CA-CB	5.31	118.88	110.55
2	3R	182	GLN	N-CA-CB	5.31	118.88	110.55
2	3V	182	GLN	N-CA-CB	5.31	118.88	110.55
2	3Z	182	GLN	N-CA-CB	5.31	118.88	110.55
2	5F	182	GLN	N-CA-CB	5.31	118.88	110.55
2	5J	182	GLN	N-CA-CB	5.31	118.88	110.55
2	5N	182	GLN	N-CA-CB	5.31	118.88	110.55
2	63	182	GLN	N-CA-CB	5.31	118.88	110.55
2	67	182	GLN	N-CA-CB	5.31	118.88	110.55
2	7B	182	GLN	N-CA-CB	5.31	118.88	110.55
2	1N	40	ASN	CA-CB-CG	5.30	117.90	112.60
2	1N	229	ASN	CB-CA-C	5.30	120.18	110.10
2	2J	40	ASN	CA-CB-CG	5.30	117.90	112.60
2	2J	229	ASN	CB-CA-C	5.30	120.18	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3B	40	ASN	CA-CB-CG	5.30	117.90	112.60
2	3B	229	ASN	CB-CA-C	5.30	120.18	110.10
2	3J	40	ASN	CA-CB-CG	5.30	117.90	112.60
2	3J	229	ASN	CB-CA-C	5.30	120.18	110.10
2	33	40	ASN	CA-CB-CG	5.30	117.90	112.60
2	33	229	ASN	CB-CA-C	5.30	120.18	110.10
2	4F	40	ASN	CA-CB-CG	5.30	117.90	112.60
2	4F	229	ASN	CB-CA-C	5.30	120.18	110.10
2	4Z	40	ASN	CA-CB-CG	5.30	117.90	112.60
2	4Z	229	ASN	CB-CA-C	5.30	120.18	110.10
2	5V	40	ASN	CA-CB-CG	5.30	117.90	112.60
2	5V	229	ASN	CB-CA-C	5.30	120.18	110.10
2	6N	40	ASN	CA-CB-CG	5.30	117.90	112.60
2	6N	229	ASN	CB-CA-C	5.30	120.18	110.10
2	6V	40	ASN	CA-CB-CG	5.30	117.90	112.60
2	6V	229	ASN	CB-CA-C	5.30	120.18	110.10
2	7F	40	ASN	CA-CB-CG	5.30	117.90	112.60
2	7F	229	ASN	CB-CA-C	5.30	120.18	110.10
2	7R	40	ASN	CA-CB-CG	5.30	117.90	112.60
2	7R	229	ASN	CB-CA-C	5.30	120.18	110.10
2	1R	182	GLN	N-CA-CB	5.30	118.87	110.55
2	1V	182	GLN	N-CA-CB	5.30	118.87	110.55
2	1Z	182	GLN	N-CA-CB	5.30	118.87	110.55
2	2R	182	GLN	N-CA-CB	5.30	118.87	110.55
2	2V	182	GLN	N-CA-CB	5.30	118.87	110.55
2	2Z	182	GLN	N-CA-CB	5.30	118.87	110.55
2	43	182	GLN	N-CA-CB	5.30	118.87	110.55
2	47	182	GLN	N-CA-CB	5.30	118.87	110.55
2	5B	182	GLN	N-CA-CB	5.30	118.87	110.55
2	53	182	GLN	N-CA-CB	5.30	118.87	110.55
2	57	182	GLN	N-CA-CB	5.30	118.87	110.55
2	6B	182	GLN	N-CA-CB	5.30	118.87	110.55
2	1R	229	ASN	CB-CA-C	5.30	120.17	110.10
2	1V	229	ASN	CB-CA-C	5.30	120.17	110.10
2	1Z	229	ASN	CB-CA-C	5.30	120.17	110.10
2	2R	229	ASN	CB-CA-C	5.30	120.17	110.10
2	2V	229	ASN	CB-CA-C	5.30	120.17	110.10
2	2Z	229	ASN	CB-CA-C	5.30	120.17	110.10
2	43	229	ASN	CB-CA-C	5.30	120.17	110.10
2	47	229	ASN	CB-CA-C	5.30	120.17	110.10
2	5B	229	ASN	CB-CA-C	5.30	120.17	110.10
2	53	229	ASN	CB-CA-C	5.30	120.17	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	229	ASN	CB-CA-C	5.30	120.17	110.10
2	6B	229	ASN	CB-CA-C	5.30	120.17	110.10
1	1M	30	PHE	CA-C-N	-5.29	111.44	122.07
1	1M	30	PHE	C-N-CA	-5.29	111.44	122.07
1	2I	30	PHE	CA-C-N	-5.29	111.44	122.07
1	2I	30	PHE	C-N-CA	-5.29	111.44	122.07
1	3A	30	PHE	CA-C-N	-5.29	111.44	122.07
1	3A	30	PHE	C-N-CA	-5.29	111.44	122.07
1	3I	30	PHE	CA-C-N	-5.29	111.44	122.07
1	3I	30	PHE	C-N-CA	-5.29	111.44	122.07
1	32	30	PHE	CA-C-N	-5.29	111.44	122.07
1	32	30	PHE	C-N-CA	-5.29	111.44	122.07
1	4E	30	PHE	CA-C-N	-5.29	111.44	122.07
1	4E	30	PHE	C-N-CA	-5.29	111.44	122.07
1	4Y	30	PHE	CA-C-N	-5.29	111.44	122.07
1	4Y	30	PHE	C-N-CA	-5.29	111.44	122.07
1	5U	30	PHE	CA-C-N	-5.29	111.44	122.07
1	5U	30	PHE	C-N-CA	-5.29	111.44	122.07
1	6M	30	PHE	CA-C-N	-5.29	111.44	122.07
1	6M	30	PHE	C-N-CA	-5.29	111.44	122.07
1	6U	30	PHE	CA-C-N	-5.29	111.44	122.07
1	6U	30	PHE	C-N-CA	-5.29	111.44	122.07
1	7E	30	PHE	CA-C-N	-5.29	111.44	122.07
1	7E	30	PHE	C-N-CA	-5.29	111.44	122.07
1	7Q	30	PHE	CA-C-N	-5.29	111.44	122.07
1	7Q	30	PHE	C-N-CA	-5.29	111.44	122.07
2	1B	229	ASN	CB-CA-C	5.28	120.13	110.10
2	1J	229	ASN	CB-CA-C	5.28	120.13	110.10
2	2F	229	ASN	CB-CA-C	5.28	120.13	110.10
2	27	229	ASN	CB-CA-C	5.28	120.13	110.10
2	3F	229	ASN	CB-CA-C	5.28	120.13	110.10
2	4B	229	ASN	CB-CA-C	5.28	120.13	110.10
2	4N	229	ASN	CB-CA-C	5.28	120.13	110.10
2	4V	229	ASN	CB-CA-C	5.28	120.13	110.10
2	5R	229	ASN	CB-CA-C	5.28	120.13	110.10
2	6J	229	ASN	CB-CA-C	5.28	120.13	110.10
2	6R	229	ASN	CB-CA-C	5.28	120.13	110.10
2	7N	229	ASN	CB-CA-C	5.28	120.13	110.10
2	1F	229	ASN	CB-CA-C	5.27	120.12	110.10
2	2N	229	ASN	CB-CA-C	5.27	120.12	110.10
2	23	229	ASN	CB-CA-C	5.27	120.12	110.10
2	3N	229	ASN	CB-CA-C	5.27	120.12	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	229	ASN	CB-CA-C	5.27	120.12	110.10
2	4J	229	ASN	CB-CA-C	5.27	120.12	110.10
2	4R	229	ASN	CB-CA-C	5.27	120.12	110.10
2	5Z	229	ASN	CB-CA-C	5.27	120.12	110.10
2	6F	229	ASN	CB-CA-C	5.27	120.12	110.10
2	6Z	229	ASN	CB-CA-C	5.27	120.12	110.10
2	7J	229	ASN	CB-CA-C	5.27	120.12	110.10
2	7V	229	ASN	CB-CA-C	5.27	120.12	110.10
2	1B	182	GLN	N-CA-CB	5.27	118.83	110.55
2	1F	145	THR	N-CA-C	5.27	125.76	111.00
2	1J	182	GLN	N-CA-CB	5.27	118.83	110.55
2	1N	145	THR	N-CA-C	5.27	125.76	111.00
2	2F	182	GLN	N-CA-CB	5.27	118.83	110.55
2	2J	145	THR	N-CA-C	5.27	125.76	111.00
2	2N	145	THR	N-CA-C	5.27	125.76	111.00
2	23	145	THR	N-CA-C	5.27	125.76	111.00
2	27	182	GLN	N-CA-CB	5.27	118.83	110.55
2	3B	145	THR	N-CA-C	5.27	125.76	111.00
2	3F	182	GLN	N-CA-CB	5.27	118.83	110.55
2	3J	145	THR	N-CA-C	5.27	125.76	111.00
2	3N	145	THR	N-CA-C	5.27	125.76	111.00
2	33	145	THR	N-CA-C	5.27	125.76	111.00
2	37	145	THR	N-CA-C	5.27	125.76	111.00
2	4B	182	GLN	N-CA-CB	5.27	118.83	110.55
2	4F	145	THR	N-CA-C	5.27	125.76	111.00
2	4J	145	THR	N-CA-C	5.27	125.76	111.00
2	4N	182	GLN	N-CA-CB	5.27	118.83	110.55
2	4R	145	THR	N-CA-C	5.27	125.76	111.00
2	4V	182	GLN	N-CA-CB	5.27	118.83	110.55
2	4Z	145	THR	N-CA-C	5.27	125.76	111.00
2	5R	182	GLN	N-CA-CB	5.27	118.83	110.55
2	5V	145	THR	N-CA-C	5.27	125.76	111.00
2	5Z	145	THR	N-CA-C	5.27	125.76	111.00
2	6F	145	THR	N-CA-C	5.27	125.76	111.00
2	6J	182	GLN	N-CA-CB	5.27	118.83	110.55
2	6N	145	THR	N-CA-C	5.27	125.76	111.00
2	6R	182	GLN	N-CA-CB	5.27	118.83	110.55
2	6V	145	THR	N-CA-C	5.27	125.76	111.00
2	6Z	145	THR	N-CA-C	5.27	125.76	111.00
2	7F	145	THR	N-CA-C	5.27	125.76	111.00
2	7J	145	THR	N-CA-C	5.27	125.76	111.00
2	7N	182	GLN	N-CA-CB	5.27	118.83	110.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	145	THR	N-CA-C	5.27	125.76	111.00
2	7V	145	THR	N-CA-C	5.27	125.76	111.00
1	1E	30	PHE	CA-C-N	-5.27	111.48	122.07
1	1E	30	PHE	C-N-CA	-5.27	111.48	122.07
1	2M	30	PHE	CA-C-N	-5.27	111.48	122.07
1	2M	30	PHE	C-N-CA	-5.27	111.48	122.07
1	22	30	PHE	CA-C-N	-5.27	111.48	122.07
1	22	30	PHE	C-N-CA	-5.27	111.48	122.07
1	3M	30	PHE	CA-C-N	-5.27	111.48	122.07
1	3M	30	PHE	C-N-CA	-5.27	111.48	122.07
1	36	30	PHE	CA-C-N	-5.27	111.48	122.07
1	36	30	PHE	C-N-CA	-5.27	111.48	122.07
1	4I	30	PHE	CA-C-N	-5.27	111.48	122.07
1	4I	30	PHE	C-N-CA	-5.27	111.48	122.07
1	4Q	30	PHE	CA-C-N	-5.27	111.48	122.07
1	4Q	30	PHE	C-N-CA	-5.27	111.48	122.07
1	5Y	30	PHE	CA-C-N	-5.27	111.48	122.07
1	5Y	30	PHE	C-N-CA	-5.27	111.48	122.07
1	6E	30	PHE	CA-C-N	-5.27	111.48	122.07
1	6E	30	PHE	C-N-CA	-5.27	111.48	122.07
1	6Y	30	PHE	CA-C-N	-5.27	111.48	122.07
1	6Y	30	PHE	C-N-CA	-5.27	111.48	122.07
1	7I	30	PHE	CA-C-N	-5.27	111.48	122.07
1	7I	30	PHE	C-N-CA	-5.27	111.48	122.07
1	7U	30	PHE	CA-C-N	-5.27	111.48	122.07
1	7U	30	PHE	C-N-CA	-5.27	111.48	122.07
1	1A	30	PHE	CA-C-N	-5.27	111.48	122.07
1	1A	30	PHE	C-N-CA	-5.27	111.48	122.07
1	1I	30	PHE	CA-C-N	-5.27	111.48	122.07
1	1I	30	PHE	C-N-CA	-5.27	111.48	122.07
1	12	30	PHE	CA-C-N	-5.27	111.48	122.07
1	12	30	PHE	C-N-CA	-5.27	111.48	122.07
1	16	30	PHE	CA-C-N	-5.27	111.48	122.07
1	16	30	PHE	C-N-CA	-5.27	111.48	122.07
1	2A	30	PHE	CA-C-N	-5.27	111.48	122.07
1	2A	30	PHE	C-N-CA	-5.27	111.48	122.07
1	2E	30	PHE	CA-C-N	-5.27	111.48	122.07
1	2E	30	PHE	C-N-CA	-5.27	111.48	122.07
1	26	30	PHE	CA-C-N	-5.27	111.48	122.07
1	26	30	PHE	C-N-CA	-5.27	111.48	122.07
1	3E	30	PHE	CA-C-N	-5.27	111.48	122.07
1	3E	30	PHE	C-N-CA	-5.27	111.48	122.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Q	30	PHE	CA-C-N	-5.27	111.48	122.07
1	3Q	30	PHE	C-N-CA	-5.27	111.48	122.07
1	3U	30	PHE	CA-C-N	-5.27	111.48	122.07
1	3U	30	PHE	C-N-CA	-5.27	111.48	122.07
1	3Y	30	PHE	CA-C-N	-5.27	111.48	122.07
1	3Y	30	PHE	C-N-CA	-5.27	111.48	122.07
1	4A	30	PHE	CA-C-N	-5.27	111.48	122.07
1	4A	30	PHE	C-N-CA	-5.27	111.48	122.07
1	4M	30	PHE	CA-C-N	-5.27	111.48	122.07
1	4M	30	PHE	C-N-CA	-5.27	111.48	122.07
1	4U	30	PHE	CA-C-N	-5.27	111.48	122.07
1	4U	30	PHE	C-N-CA	-5.27	111.48	122.07
1	5E	30	PHE	CA-C-N	-5.27	111.48	122.07
1	5E	30	PHE	C-N-CA	-5.27	111.48	122.07
1	5I	30	PHE	CA-C-N	-5.27	111.48	122.07
1	5I	30	PHE	C-N-CA	-5.27	111.48	122.07
1	5M	30	PHE	CA-C-N	-5.27	111.48	122.07
1	5M	30	PHE	C-N-CA	-5.27	111.48	122.07
1	5Q	30	PHE	CA-C-N	-5.27	111.48	122.07
1	5Q	30	PHE	C-N-CA	-5.27	111.48	122.07
1	6I	30	PHE	CA-C-N	-5.27	111.48	122.07
1	6I	30	PHE	C-N-CA	-5.27	111.48	122.07
1	6Q	30	PHE	CA-C-N	-5.27	111.48	122.07
1	6Q	30	PHE	C-N-CA	-5.27	111.48	122.07
1	62	30	PHE	CA-C-N	-5.27	111.48	122.07
1	62	30	PHE	C-N-CA	-5.27	111.48	122.07
1	66	30	PHE	CA-C-N	-5.27	111.48	122.07
1	66	30	PHE	C-N-CA	-5.27	111.48	122.07
1	7A	30	PHE	CA-C-N	-5.27	111.48	122.07
1	7A	30	PHE	C-N-CA	-5.27	111.48	122.07
1	7M	30	PHE	CA-C-N	-5.27	111.48	122.07
1	7M	30	PHE	C-N-CA	-5.27	111.48	122.07
2	1B	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	1J	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	1R	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	1V	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	1Z	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	13	145	THR	N-CA-C	5.27	125.75	111.00
2	17	145	THR	N-CA-C	5.27	125.75	111.00
2	2B	145	THR	N-CA-C	5.27	125.75	111.00
2	2F	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	2R	72	ARG	CB-CG-CD	5.27	123.42	111.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2V	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	2Z	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	27	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	3F	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	3R	145	THR	N-CA-C	5.27	125.75	111.00
2	3V	145	THR	N-CA-C	5.27	125.75	111.00
2	3Z	145	THR	N-CA-C	5.27	125.75	111.00
2	4B	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	4N	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	4V	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	43	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	47	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	5B	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	5F	145	THR	N-CA-C	5.27	125.75	111.00
2	5J	145	THR	N-CA-C	5.27	125.75	111.00
2	5N	145	THR	N-CA-C	5.27	125.75	111.00
2	5R	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	53	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	57	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	6B	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	6J	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	6R	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	63	145	THR	N-CA-C	5.27	125.75	111.00
2	67	145	THR	N-CA-C	5.27	125.75	111.00
2	7B	145	THR	N-CA-C	5.27	125.75	111.00
2	7N	72	ARG	CB-CG-CD	5.27	123.42	111.30
2	1F	72	ARG	CB-CG-CD	5.27	123.41	111.30
1	12	14	ASP	OD1-CG-OD2	-5.27	110.26	122.90
2	13	229	ASN	CB-CA-C	5.27	120.11	110.10
1	16	14	ASP	OD1-CG-OD2	-5.27	110.26	122.90
2	17	229	ASN	CB-CA-C	5.27	120.11	110.10
1	2A	14	ASP	OD1-CG-OD2	-5.27	110.26	122.90
2	2B	229	ASN	CB-CA-C	5.27	120.11	110.10
2	2N	72	ARG	CB-CG-CD	5.27	123.41	111.30
2	23	72	ARG	CB-CG-CD	5.27	123.41	111.30
2	3N	72	ARG	CB-CG-CD	5.27	123.41	111.30
1	3Q	14	ASP	OD1-CG-OD2	-5.27	110.26	122.90
2	3R	229	ASN	CB-CA-C	5.27	120.11	110.10
1	3U	14	ASP	OD1-CG-OD2	-5.27	110.26	122.90
2	3V	229	ASN	CB-CA-C	5.27	120.11	110.10
1	3Y	14	ASP	OD1-CG-OD2	-5.27	110.26	122.90
2	3Z	229	ASN	CB-CA-C	5.27	120.11	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	37	72	ARG	CB-CG-CD	5.27	123.41	111.30
2	4J	72	ARG	CB-CG-CD	5.27	123.41	111.30
2	4R	72	ARG	CB-CG-CD	5.27	123.41	111.30
1	5E	14	ASP	OD1-CG-OD2	-5.27	110.26	122.90
2	5F	229	ASN	CB-CA-C	5.27	120.11	110.10
1	5I	14	ASP	OD1-CG-OD2	-5.27	110.26	122.90
2	5J	229	ASN	CB-CA-C	5.27	120.11	110.10
1	5M	14	ASP	OD1-CG-OD2	-5.27	110.26	122.90
2	5N	229	ASN	CB-CA-C	5.27	120.11	110.10
2	5Z	72	ARG	CB-CG-CD	5.27	123.41	111.30
2	6F	72	ARG	CB-CG-CD	5.27	123.41	111.30
2	6Z	72	ARG	CB-CG-CD	5.27	123.41	111.30
1	62	14	ASP	OD1-CG-OD2	-5.27	110.26	122.90
2	63	229	ASN	CB-CA-C	5.27	120.11	110.10
1	66	14	ASP	OD1-CG-OD2	-5.27	110.26	122.90
2	67	229	ASN	CB-CA-C	5.27	120.11	110.10
1	7A	14	ASP	OD1-CG-OD2	-5.27	110.26	122.90
2	7B	229	ASN	CB-CA-C	5.27	120.11	110.10
2	7J	72	ARG	CB-CG-CD	5.27	123.41	111.30
2	7V	72	ARG	CB-CG-CD	5.27	123.41	111.30
2	1B	145	THR	N-CA-C	5.26	125.74	111.00
2	1F	182	GLN	N-CA-CB	5.26	118.82	110.55
2	1J	145	THR	N-CA-C	5.26	125.74	111.00
1	1M	44	ARG	N-CA-C	-5.26	99.59	110.80
2	1R	145	THR	N-CA-C	5.26	125.74	111.00
2	1V	145	THR	N-CA-C	5.26	125.74	111.00
2	1Z	145	THR	N-CA-C	5.26	125.74	111.00
1	12	24	VAL	CA-CB-CG1	-5.26	101.45	110.40
1	16	24	VAL	CA-CB-CG1	-5.26	101.45	110.40
1	2A	24	VAL	CA-CB-CG1	-5.26	101.45	110.40
2	2F	145	THR	N-CA-C	5.26	125.74	111.00
1	2I	44	ARG	N-CA-C	-5.26	99.59	110.80
2	2N	182	GLN	N-CA-CB	5.26	118.82	110.55
2	2R	145	THR	N-CA-C	5.26	125.74	111.00
2	2V	145	THR	N-CA-C	5.26	125.74	111.00
2	2Z	145	THR	N-CA-C	5.26	125.74	111.00
2	23	182	GLN	N-CA-CB	5.26	118.82	110.55
2	27	145	THR	N-CA-C	5.26	125.74	111.00
1	3A	44	ARG	N-CA-C	-5.26	99.59	110.80
2	3F	145	THR	N-CA-C	5.26	125.74	111.00
1	3I	44	ARG	N-CA-C	-5.26	99.59	110.80
2	3N	182	GLN	N-CA-CB	5.26	118.82	110.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Q	24	VAL	CA-CB-CG1	-5.26	101.45	110.40
1	3U	24	VAL	CA-CB-CG1	-5.26	101.45	110.40
1	3Y	24	VAL	CA-CB-CG1	-5.26	101.45	110.40
1	32	44	ARG	N-CA-C	-5.26	99.59	110.80
2	37	182	GLN	N-CA-CB	5.26	118.82	110.55
2	4B	145	THR	N-CA-C	5.26	125.74	111.00
1	4E	44	ARG	N-CA-C	-5.26	99.59	110.80
2	4J	182	GLN	N-CA-CB	5.26	118.82	110.55
2	4N	145	THR	N-CA-C	5.26	125.74	111.00
2	4R	182	GLN	N-CA-CB	5.26	118.82	110.55
2	4V	145	THR	N-CA-C	5.26	125.74	111.00
1	4Y	44	ARG	N-CA-C	-5.26	99.59	110.80
2	43	145	THR	N-CA-C	5.26	125.74	111.00
2	47	145	THR	N-CA-C	5.26	125.74	111.00
2	5B	145	THR	N-CA-C	5.26	125.74	111.00
1	5E	24	VAL	CA-CB-CG1	-5.26	101.45	110.40
1	5I	24	VAL	CA-CB-CG1	-5.26	101.45	110.40
1	5M	24	VAL	CA-CB-CG1	-5.26	101.45	110.40
2	5R	145	THR	N-CA-C	5.26	125.74	111.00
1	5U	44	ARG	N-CA-C	-5.26	99.59	110.80
2	5Z	182	GLN	N-CA-CB	5.26	118.82	110.55
2	53	145	THR	N-CA-C	5.26	125.74	111.00
2	57	145	THR	N-CA-C	5.26	125.74	111.00
2	6B	145	THR	N-CA-C	5.26	125.74	111.00
2	6F	182	GLN	N-CA-CB	5.26	118.82	110.55
2	6J	145	THR	N-CA-C	5.26	125.74	111.00
1	6M	44	ARG	N-CA-C	-5.26	99.59	110.80
2	6R	145	THR	N-CA-C	5.26	125.74	111.00
1	6U	44	ARG	N-CA-C	-5.26	99.59	110.80
2	6Z	182	GLN	N-CA-CB	5.26	118.82	110.55
1	62	24	VAL	CA-CB-CG1	-5.26	101.45	110.40
1	66	24	VAL	CA-CB-CG1	-5.26	101.45	110.40
1	7A	24	VAL	CA-CB-CG1	-5.26	101.45	110.40
1	7E	44	ARG	N-CA-C	-5.26	99.59	110.80
2	7J	182	GLN	N-CA-CB	5.26	118.82	110.55
2	7N	145	THR	N-CA-C	5.26	125.74	111.00
1	7Q	44	ARG	N-CA-C	-5.26	99.59	110.80
2	7V	182	GLN	N-CA-CB	5.26	118.82	110.55
1	1A	44	ARG	N-CA-C	-5.26	99.59	110.80
1	1I	44	ARG	N-CA-C	-5.26	99.59	110.80
1	2E	44	ARG	N-CA-C	-5.26	99.59	110.80
1	26	44	ARG	N-CA-C	-5.26	99.59	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	44	ARG	N-CA-C	-5.26	99.59	110.80
1	4A	44	ARG	N-CA-C	-5.26	99.59	110.80
1	4M	44	ARG	N-CA-C	-5.26	99.59	110.80
1	4U	44	ARG	N-CA-C	-5.26	99.59	110.80
1	5Q	44	ARG	N-CA-C	-5.26	99.59	110.80
1	6I	44	ARG	N-CA-C	-5.26	99.59	110.80
1	6Q	44	ARG	N-CA-C	-5.26	99.59	110.80
1	7M	44	ARG	N-CA-C	-5.26	99.59	110.80
1	1A	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	1I	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	12	44	ARG	N-CA-C	-5.26	99.59	110.80
1	16	44	ARG	N-CA-C	-5.26	99.59	110.80
1	2A	44	ARG	N-CA-C	-5.26	99.59	110.80
1	2E	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	26	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	3E	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	3Q	44	ARG	N-CA-C	-5.26	99.59	110.80
1	3U	44	ARG	N-CA-C	-5.26	99.59	110.80
1	3Y	44	ARG	N-CA-C	-5.26	99.59	110.80
1	4A	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	4M	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	4U	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	5E	44	ARG	N-CA-C	-5.26	99.59	110.80
1	5I	44	ARG	N-CA-C	-5.26	99.59	110.80
1	5M	44	ARG	N-CA-C	-5.26	99.59	110.80
1	5Q	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	6I	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	6Q	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	62	44	ARG	N-CA-C	-5.26	99.59	110.80
1	66	44	ARG	N-CA-C	-5.26	99.59	110.80
1	7A	44	ARG	N-CA-C	-5.26	99.59	110.80
1	7M	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	1E	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	1E	44	ARG	N-CA-C	-5.26	99.60	110.80
1	1M	46	ILE	CA-C-N	-5.26	115.39	122.91
1	1M	46	ILE	C-N-CA	-5.26	115.39	122.91
2	1N	182	GLN	N-CA-CB	5.26	118.81	110.55
1	2I	46	ILE	CA-C-N	-5.26	115.39	122.91
1	2I	46	ILE	C-N-CA	-5.26	115.39	122.91
2	2J	182	GLN	N-CA-CB	5.26	118.81	110.55
1	2M	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	2M	44	ARG	N-CA-C	-5.26	99.60	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	22	44	ARG	N-CA-C	-5.26	99.60	110.80
1	3A	46	ILE	CA-C-N	-5.26	115.39	122.91
1	3A	46	ILE	C-N-CA	-5.26	115.39	122.91
2	3B	182	GLN	N-CA-CB	5.26	118.81	110.55
1	3I	46	ILE	CA-C-N	-5.26	115.39	122.91
1	3I	46	ILE	C-N-CA	-5.26	115.39	122.91
2	3J	182	GLN	N-CA-CB	5.26	118.81	110.55
1	3M	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	3M	44	ARG	N-CA-C	-5.26	99.60	110.80
1	32	46	ILE	CA-C-N	-5.26	115.39	122.91
1	32	46	ILE	C-N-CA	-5.26	115.39	122.91
2	33	182	GLN	N-CA-CB	5.26	118.81	110.55
1	36	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	36	44	ARG	N-CA-C	-5.26	99.60	110.80
1	4E	46	ILE	CA-C-N	-5.26	115.39	122.91
1	4E	46	ILE	C-N-CA	-5.26	115.39	122.91
2	4F	182	GLN	N-CA-CB	5.26	118.81	110.55
1	4I	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	4I	44	ARG	N-CA-C	-5.26	99.60	110.80
1	4Q	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	4Q	44	ARG	N-CA-C	-5.26	99.60	110.80
1	4Y	46	ILE	CA-C-N	-5.26	115.39	122.91
1	4Y	46	ILE	C-N-CA	-5.26	115.39	122.91
2	4Z	182	GLN	N-CA-CB	5.26	118.81	110.55
1	5U	46	ILE	CA-C-N	-5.26	115.39	122.91
1	5U	46	ILE	C-N-CA	-5.26	115.39	122.91
2	5V	182	GLN	N-CA-CB	5.26	118.81	110.55
1	5Y	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	5Y	44	ARG	N-CA-C	-5.26	99.60	110.80
1	6E	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	6E	44	ARG	N-CA-C	-5.26	99.60	110.80
1	6M	46	ILE	CA-C-N	-5.26	115.39	122.91
1	6M	46	ILE	C-N-CA	-5.26	115.39	122.91
2	6N	182	GLN	N-CA-CB	5.26	118.81	110.55
1	6U	46	ILE	CA-C-N	-5.26	115.39	122.91
1	6U	46	ILE	C-N-CA	-5.26	115.39	122.91
2	6V	182	GLN	N-CA-CB	5.26	118.81	110.55
1	6Y	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	6Y	44	ARG	N-CA-C	-5.26	99.60	110.80
1	7E	46	ILE	CA-C-N	-5.26	115.39	122.91
1	7E	46	ILE	C-N-CA	-5.26	115.39	122.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	182	GLN	N-CA-CB	5.26	118.81	110.55
1	7I	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	7I	44	ARG	N-CA-C	-5.26	99.60	110.80
1	7Q	46	ILE	CA-C-N	-5.26	115.39	122.91
1	7Q	46	ILE	C-N-CA	-5.26	115.39	122.91
2	7R	182	GLN	N-CA-CB	5.26	118.81	110.55
1	7U	24	VAL	CA-CB-CG1	-5.26	101.46	110.40
1	7U	44	ARG	N-CA-C	-5.26	99.60	110.80
2	13	72	ARG	CB-CG-CD	5.25	123.38	111.30
2	17	72	ARG	CB-CG-CD	5.25	123.38	111.30
2	2B	72	ARG	CB-CG-CD	5.25	123.38	111.30
2	3R	72	ARG	CB-CG-CD	5.25	123.38	111.30
2	3V	72	ARG	CB-CG-CD	5.25	123.38	111.30
2	3Z	72	ARG	CB-CG-CD	5.25	123.38	111.30
2	5F	72	ARG	CB-CG-CD	5.25	123.38	111.30
2	5J	72	ARG	CB-CG-CD	5.25	123.38	111.30
2	5N	72	ARG	CB-CG-CD	5.25	123.38	111.30
2	63	72	ARG	CB-CG-CD	5.25	123.38	111.30
2	67	72	ARG	CB-CG-CD	5.25	123.38	111.30
2	7B	72	ARG	CB-CG-CD	5.25	123.38	111.30
1	1Q	24	VAL	CA-CB-CG1	-5.25	101.47	110.40
1	1Q	30	PHE	CA-C-N	-5.25	111.51	122.07
1	1Q	30	PHE	C-N-CA	-5.25	111.51	122.07
1	1U	24	VAL	CA-CB-CG1	-5.25	101.47	110.40
1	1U	30	PHE	CA-C-N	-5.25	111.51	122.07
1	1U	30	PHE	C-N-CA	-5.25	111.51	122.07
1	1Y	24	VAL	CA-CB-CG1	-5.25	101.47	110.40
1	1Y	30	PHE	CA-C-N	-5.25	111.51	122.07
1	1Y	30	PHE	C-N-CA	-5.25	111.51	122.07
1	2Q	24	VAL	CA-CB-CG1	-5.25	101.47	110.40
1	2Q	30	PHE	CA-C-N	-5.25	111.51	122.07
1	2Q	30	PHE	C-N-CA	-5.25	111.51	122.07
1	2U	24	VAL	CA-CB-CG1	-5.25	101.47	110.40
1	2U	30	PHE	CA-C-N	-5.25	111.51	122.07
1	2U	30	PHE	C-N-CA	-5.25	111.51	122.07
1	2Y	24	VAL	CA-CB-CG1	-5.25	101.47	110.40
1	2Y	30	PHE	CA-C-N	-5.25	111.51	122.07
1	2Y	30	PHE	C-N-CA	-5.25	111.51	122.07
1	42	24	VAL	CA-CB-CG1	-5.25	101.47	110.40
1	42	30	PHE	CA-C-N	-5.25	111.51	122.07
1	42	30	PHE	C-N-CA	-5.25	111.51	122.07
1	46	24	VAL	CA-CB-CG1	-5.25	101.47	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	46	30	PHE	CA-C-N	-5.25	111.51	122.07
1	46	30	PHE	C-N-CA	-5.25	111.51	122.07
1	5A	24	VAL	CA-CB-CG1	-5.25	101.47	110.40
1	5A	30	PHE	CA-C-N	-5.25	111.51	122.07
1	5A	30	PHE	C-N-CA	-5.25	111.51	122.07
1	52	24	VAL	CA-CB-CG1	-5.25	101.47	110.40
1	52	30	PHE	CA-C-N	-5.25	111.51	122.07
1	52	30	PHE	C-N-CA	-5.25	111.51	122.07
1	56	24	VAL	CA-CB-CG1	-5.25	101.47	110.40
1	56	30	PHE	CA-C-N	-5.25	111.51	122.07
1	56	30	PHE	C-N-CA	-5.25	111.51	122.07
1	6A	24	VAL	CA-CB-CG1	-5.25	101.47	110.40
1	6A	30	PHE	CA-C-N	-5.25	111.51	122.07
1	6A	30	PHE	C-N-CA	-5.25	111.51	122.07
1	12	97	SER	CA-CB-OG	-5.25	100.60	111.10
1	16	97	SER	CA-CB-OG	-5.25	100.60	111.10
1	2A	97	SER	CA-CB-OG	-5.25	100.60	111.10
1	3Q	97	SER	CA-CB-OG	-5.25	100.60	111.10
1	3U	97	SER	CA-CB-OG	-5.25	100.60	111.10
1	3Y	97	SER	CA-CB-OG	-5.25	100.60	111.10
1	5E	97	SER	CA-CB-OG	-5.25	100.60	111.10
1	5I	97	SER	CA-CB-OG	-5.25	100.60	111.10
1	5M	97	SER	CA-CB-OG	-5.25	100.60	111.10
1	62	97	SER	CA-CB-OG	-5.25	100.60	111.10
1	66	97	SER	CA-CB-OG	-5.25	100.60	111.10
1	7A	97	SER	CA-CB-OG	-5.25	100.60	111.10
1	1M	24	VAL	CA-CB-CG1	-5.25	101.48	110.40
1	2I	24	VAL	CA-CB-CG1	-5.25	101.48	110.40
1	3A	24	VAL	CA-CB-CG1	-5.25	101.48	110.40
1	3I	24	VAL	CA-CB-CG1	-5.25	101.48	110.40
1	32	24	VAL	CA-CB-CG1	-5.25	101.48	110.40
1	4E	24	VAL	CA-CB-CG1	-5.25	101.48	110.40
1	4Y	24	VAL	CA-CB-CG1	-5.25	101.48	110.40
1	5U	24	VAL	CA-CB-CG1	-5.25	101.48	110.40
1	6M	24	VAL	CA-CB-CG1	-5.25	101.48	110.40
1	6U	24	VAL	CA-CB-CG1	-5.25	101.48	110.40
1	7E	24	VAL	CA-CB-CG1	-5.25	101.48	110.40
1	7Q	24	VAL	CA-CB-CG1	-5.25	101.48	110.40
2	1N	72	ARG	CB-CG-CD	5.25	123.36	111.30
1	1Q	44	ARG	N-CA-C	-5.25	99.62	110.80
1	1U	44	ARG	N-CA-C	-5.25	99.62	110.80
1	1Y	44	ARG	N-CA-C	-5.25	99.62	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	12	46	ILE	CA-C-N	-5.25	115.41	122.91
1	12	46	ILE	C-N-CA	-5.25	115.41	122.91
1	16	46	ILE	CA-C-N	-5.25	115.41	122.91
1	16	46	ILE	C-N-CA	-5.25	115.41	122.91
1	2A	46	ILE	CA-C-N	-5.25	115.41	122.91
1	2A	46	ILE	C-N-CA	-5.25	115.41	122.91
2	2J	72	ARG	CB-CG-CD	5.25	123.36	111.30
1	2Q	44	ARG	N-CA-C	-5.25	99.62	110.80
1	2U	44	ARG	N-CA-C	-5.25	99.62	110.80
1	2Y	44	ARG	N-CA-C	-5.25	99.62	110.80
2	3B	72	ARG	CB-CG-CD	5.25	123.36	111.30
2	3J	72	ARG	CB-CG-CD	5.25	123.36	111.30
1	3Q	46	ILE	CA-C-N	-5.25	115.41	122.91
1	3Q	46	ILE	C-N-CA	-5.25	115.41	122.91
1	3U	46	ILE	CA-C-N	-5.25	115.41	122.91
1	3U	46	ILE	C-N-CA	-5.25	115.41	122.91
1	3Y	46	ILE	CA-C-N	-5.25	115.41	122.91
1	3Y	46	ILE	C-N-CA	-5.25	115.41	122.91
2	33	72	ARG	CB-CG-CD	5.25	123.36	111.30
2	4F	72	ARG	CB-CG-CD	5.25	123.36	111.30
2	4Z	72	ARG	CB-CG-CD	5.25	123.36	111.30
1	42	44	ARG	N-CA-C	-5.25	99.62	110.80
1	46	44	ARG	N-CA-C	-5.25	99.62	110.80
1	5A	44	ARG	N-CA-C	-5.25	99.62	110.80
1	5E	46	ILE	CA-C-N	-5.25	115.41	122.91
1	5E	46	ILE	C-N-CA	-5.25	115.41	122.91
1	5I	46	ILE	CA-C-N	-5.25	115.41	122.91
1	5I	46	ILE	C-N-CA	-5.25	115.41	122.91
1	5M	46	ILE	CA-C-N	-5.25	115.41	122.91
1	5M	46	ILE	C-N-CA	-5.25	115.41	122.91
2	5V	72	ARG	CB-CG-CD	5.25	123.36	111.30
1	52	44	ARG	N-CA-C	-5.25	99.62	110.80
1	56	44	ARG	N-CA-C	-5.25	99.62	110.80
1	6A	44	ARG	N-CA-C	-5.25	99.62	110.80
2	6N	72	ARG	CB-CG-CD	5.25	123.36	111.30
2	6V	72	ARG	CB-CG-CD	5.25	123.36	111.30
1	62	46	ILE	CA-C-N	-5.25	115.41	122.91
1	62	46	ILE	C-N-CA	-5.25	115.41	122.91
1	66	46	ILE	CA-C-N	-5.25	115.41	122.91
1	66	46	ILE	C-N-CA	-5.25	115.41	122.91
1	7A	46	ILE	CA-C-N	-5.25	115.41	122.91
1	7A	46	ILE	C-N-CA	-5.25	115.41	122.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	72	ARG	CB-CG-CD	5.25	123.36	111.30
2	7R	72	ARG	CB-CG-CD	5.25	123.36	111.30
1	1M	97	SER	CA-CB-OG	-5.24	100.61	111.10
1	2I	97	SER	CA-CB-OG	-5.24	100.61	111.10
1	3A	97	SER	CA-CB-OG	-5.24	100.61	111.10
1	3I	97	SER	CA-CB-OG	-5.24	100.61	111.10
1	32	97	SER	CA-CB-OG	-5.24	100.61	111.10
1	4E	97	SER	CA-CB-OG	-5.24	100.61	111.10
1	4Y	97	SER	CA-CB-OG	-5.24	100.61	111.10
1	5U	97	SER	CA-CB-OG	-5.24	100.61	111.10
1	6M	97	SER	CA-CB-OG	-5.24	100.61	111.10
1	6U	97	SER	CA-CB-OG	-5.24	100.61	111.10
1	7E	97	SER	CA-CB-OG	-5.24	100.61	111.10
1	7Q	97	SER	CA-CB-OG	-5.24	100.61	111.10
1	1A	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	1I	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	1Q	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	1U	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	1Y	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	2E	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	2Q	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	2U	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	2Y	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	26	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	3E	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	4A	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	4M	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	4U	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	42	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	46	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	5A	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	5Q	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	52	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	56	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	6A	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	6I	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	6Q	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	7M	14	ASP	OD1-CG-OD2	-5.24	110.32	122.90
1	1Q	97	SER	CA-CB-OG	-5.24	100.62	111.10
1	1U	97	SER	CA-CB-OG	-5.24	100.62	111.10
1	1Y	97	SER	CA-CB-OG	-5.24	100.62	111.10
1	2Q	97	SER	CA-CB-OG	-5.24	100.62	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2U	97	SER	CA-CB-OG	-5.24	100.62	111.10
1	2Y	97	SER	CA-CB-OG	-5.24	100.62	111.10
1	42	97	SER	CA-CB-OG	-5.24	100.62	111.10
1	46	97	SER	CA-CB-OG	-5.24	100.62	111.10
1	5A	97	SER	CA-CB-OG	-5.24	100.62	111.10
1	52	97	SER	CA-CB-OG	-5.24	100.62	111.10
1	56	97	SER	CA-CB-OG	-5.24	100.62	111.10
1	6A	97	SER	CA-CB-OG	-5.24	100.62	111.10
1	1E	46	ILE	CA-C-N	-5.24	115.42	122.91
1	1E	46	ILE	C-N-CA	-5.24	115.42	122.91
1	1M	14	ASP	OD1-CG-OD2	-5.24	110.33	122.90
1	2I	14	ASP	OD1-CG-OD2	-5.24	110.33	122.90
1	2M	46	ILE	CA-C-N	-5.24	115.42	122.91
1	2M	46	ILE	C-N-CA	-5.24	115.42	122.91
1	22	46	ILE	CA-C-N	-5.24	115.42	122.91
1	22	46	ILE	C-N-CA	-5.24	115.42	122.91
1	3A	14	ASP	OD1-CG-OD2	-5.24	110.33	122.90
1	3I	14	ASP	OD1-CG-OD2	-5.24	110.33	122.90
1	3M	46	ILE	CA-C-N	-5.24	115.42	122.91
1	3M	46	ILE	C-N-CA	-5.24	115.42	122.91
1	32	14	ASP	OD1-CG-OD2	-5.24	110.33	122.90
1	36	46	ILE	CA-C-N	-5.24	115.42	122.91
1	36	46	ILE	C-N-CA	-5.24	115.42	122.91
1	4E	14	ASP	OD1-CG-OD2	-5.24	110.33	122.90
1	4I	46	ILE	CA-C-N	-5.24	115.42	122.91
1	4I	46	ILE	C-N-CA	-5.24	115.42	122.91
1	4Q	46	ILE	CA-C-N	-5.24	115.42	122.91
1	4Q	46	ILE	C-N-CA	-5.24	115.42	122.91
1	4Y	14	ASP	OD1-CG-OD2	-5.24	110.33	122.90
1	5U	14	ASP	OD1-CG-OD2	-5.24	110.33	122.90
1	5Y	46	ILE	CA-C-N	-5.24	115.42	122.91
1	5Y	46	ILE	C-N-CA	-5.24	115.42	122.91
1	6E	46	ILE	CA-C-N	-5.24	115.42	122.91
1	6E	46	ILE	C-N-CA	-5.24	115.42	122.91
1	6M	14	ASP	OD1-CG-OD2	-5.24	110.33	122.90
1	6U	14	ASP	OD1-CG-OD2	-5.24	110.33	122.90
1	6Y	46	ILE	CA-C-N	-5.24	115.42	122.91
1	6Y	46	ILE	C-N-CA	-5.24	115.42	122.91
1	7E	14	ASP	OD1-CG-OD2	-5.24	110.33	122.90
1	7I	46	ILE	CA-C-N	-5.24	115.42	122.91
1	7I	46	ILE	C-N-CA	-5.24	115.42	122.91
1	7Q	14	ASP	OD1-CG-OD2	-5.24	110.33	122.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7U	46	ILE	CA-C-N	-5.24	115.42	122.91
1	7U	46	ILE	C-N-CA	-5.24	115.42	122.91
1	1E	121	ILE	CB-CA-C	-5.24	101.83	111.36
1	1M	28	GLY	CA-C-O	-5.24	115.36	120.75
1	2I	28	GLY	CA-C-O	-5.24	115.36	120.75
1	2M	121	ILE	CB-CA-C	-5.24	101.83	111.36
1	22	121	ILE	CB-CA-C	-5.24	101.83	111.36
1	3A	28	GLY	CA-C-O	-5.24	115.36	120.75
1	3I	28	GLY	CA-C-O	-5.24	115.36	120.75
1	3M	121	ILE	CB-CA-C	-5.24	101.83	111.36
1	32	28	GLY	CA-C-O	-5.24	115.36	120.75
1	36	121	ILE	CB-CA-C	-5.24	101.83	111.36
1	4E	28	GLY	CA-C-O	-5.24	115.36	120.75
1	4I	121	ILE	CB-CA-C	-5.24	101.83	111.36
1	4Q	121	ILE	CB-CA-C	-5.24	101.83	111.36
1	4Y	28	GLY	CA-C-O	-5.24	115.36	120.75
1	5U	28	GLY	CA-C-O	-5.24	115.36	120.75
1	5Y	121	ILE	CB-CA-C	-5.24	101.83	111.36
1	6E	121	ILE	CB-CA-C	-5.24	101.83	111.36
1	6M	28	GLY	CA-C-O	-5.24	115.36	120.75
1	6U	28	GLY	CA-C-O	-5.24	115.36	120.75
1	6Y	121	ILE	CB-CA-C	-5.24	101.83	111.36
1	7E	28	GLY	CA-C-O	-5.24	115.36	120.75
1	7I	121	ILE	CB-CA-C	-5.24	101.83	111.36
1	7Q	28	GLY	CA-C-O	-5.24	115.36	120.75
1	7U	121	ILE	CB-CA-C	-5.24	101.83	111.36
1	12	28	GLY	CA-C-O	-5.23	115.36	120.75
1	16	28	GLY	CA-C-O	-5.23	115.36	120.75
1	2A	28	GLY	CA-C-O	-5.23	115.36	120.75
1	3Q	28	GLY	CA-C-O	-5.23	115.36	120.75
1	3U	28	GLY	CA-C-O	-5.23	115.36	120.75
1	3Y	28	GLY	CA-C-O	-5.23	115.36	120.75
1	5E	28	GLY	CA-C-O	-5.23	115.36	120.75
1	5I	28	GLY	CA-C-O	-5.23	115.36	120.75
1	5M	28	GLY	CA-C-O	-5.23	115.36	120.75
1	62	28	GLY	CA-C-O	-5.23	115.36	120.75
1	66	28	GLY	CA-C-O	-5.23	115.36	120.75
1	7A	28	GLY	CA-C-O	-5.23	115.36	120.75
1	1A	46	ILE	CA-C-N	-5.23	115.43	122.91
1	1A	46	ILE	C-N-CA	-5.23	115.43	122.91
1	1I	46	ILE	CA-C-N	-5.23	115.43	122.91
1	1I	46	ILE	C-N-CA	-5.23	115.43	122.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2E	46	ILE	CA-C-N	-5.23	115.43	122.91
1	2E	46	ILE	C-N-CA	-5.23	115.43	122.91
1	26	46	ILE	CA-C-N	-5.23	115.43	122.91
1	26	46	ILE	C-N-CA	-5.23	115.43	122.91
1	3E	46	ILE	CA-C-N	-5.23	115.43	122.91
1	3E	46	ILE	C-N-CA	-5.23	115.43	122.91
1	4A	46	ILE	CA-C-N	-5.23	115.43	122.91
1	4A	46	ILE	C-N-CA	-5.23	115.43	122.91
1	4M	46	ILE	CA-C-N	-5.23	115.43	122.91
1	4M	46	ILE	C-N-CA	-5.23	115.43	122.91
1	4U	46	ILE	CA-C-N	-5.23	115.43	122.91
1	4U	46	ILE	C-N-CA	-5.23	115.43	122.91
1	5Q	46	ILE	CA-C-N	-5.23	115.43	122.91
1	5Q	46	ILE	C-N-CA	-5.23	115.43	122.91
1	6I	46	ILE	CA-C-N	-5.23	115.43	122.91
1	6I	46	ILE	C-N-CA	-5.23	115.43	122.91
1	6Q	46	ILE	CA-C-N	-5.23	115.43	122.91
1	6Q	46	ILE	C-N-CA	-5.23	115.43	122.91
1	7M	46	ILE	CA-C-N	-5.23	115.43	122.91
1	7M	46	ILE	C-N-CA	-5.23	115.43	122.91
1	1A	51	LEU	CA-CB-CG	5.23	134.60	116.30
1	1A	97	SER	CA-CB-OG	-5.23	100.64	111.10
1	1E	105	ILE	N-CA-C	5.23	115.45	110.53
1	1I	51	LEU	CA-CB-CG	5.23	134.60	116.30
1	1I	97	SER	CA-CB-OG	-5.23	100.64	111.10
1	2E	51	LEU	CA-CB-CG	5.23	134.60	116.30
1	2E	97	SER	CA-CB-OG	-5.23	100.64	111.10
1	2M	105	ILE	N-CA-C	5.23	115.45	110.53
1	22	105	ILE	N-CA-C	5.23	115.45	110.53
1	26	51	LEU	CA-CB-CG	5.23	134.60	116.30
1	26	97	SER	CA-CB-OG	-5.23	100.64	111.10
1	3E	51	LEU	CA-CB-CG	5.23	134.60	116.30
1	3E	97	SER	CA-CB-OG	-5.23	100.64	111.10
1	3M	105	ILE	N-CA-C	5.23	115.45	110.53
1	36	105	ILE	N-CA-C	5.23	115.45	110.53
1	4A	51	LEU	CA-CB-CG	5.23	134.60	116.30
1	4A	97	SER	CA-CB-OG	-5.23	100.64	111.10
1	4I	105	ILE	N-CA-C	5.23	115.45	110.53
1	4M	51	LEU	CA-CB-CG	5.23	134.60	116.30
1	4M	97	SER	CA-CB-OG	-5.23	100.64	111.10
1	4Q	105	ILE	N-CA-C	5.23	115.45	110.53
1	4U	51	LEU	CA-CB-CG	5.23	134.60	116.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4U	97	SER	CA-CB-OG	-5.23	100.64	111.10
1	5Q	51	LEU	CA-CB-CG	5.23	134.60	116.30
1	5Q	97	SER	CA-CB-OG	-5.23	100.64	111.10
1	5Y	105	ILE	N-CA-C	5.23	115.45	110.53
1	6E	105	ILE	N-CA-C	5.23	115.45	110.53
1	6I	51	LEU	CA-CB-CG	5.23	134.60	116.30
1	6I	97	SER	CA-CB-OG	-5.23	100.64	111.10
1	6Q	51	LEU	CA-CB-CG	5.23	134.60	116.30
1	6Q	97	SER	CA-CB-OG	-5.23	100.64	111.10
1	6Y	105	ILE	N-CA-C	5.23	115.45	110.53
1	7I	105	ILE	N-CA-C	5.23	115.45	110.53
1	7M	51	LEU	CA-CB-CG	5.23	134.60	116.30
1	7M	97	SER	CA-CB-OG	-5.23	100.64	111.10
1	7U	105	ILE	N-CA-C	5.23	115.45	110.53
1	1Q	46	ILE	CA-C-N	-5.23	115.43	122.91
1	1Q	46	ILE	C-N-CA	-5.23	115.43	122.91
1	1U	46	ILE	CA-C-N	-5.23	115.43	122.91
1	1U	46	ILE	C-N-CA	-5.23	115.43	122.91
1	1Y	46	ILE	CA-C-N	-5.23	115.43	122.91
1	1Y	46	ILE	C-N-CA	-5.23	115.43	122.91
1	2Q	46	ILE	CA-C-N	-5.23	115.43	122.91
1	2Q	46	ILE	C-N-CA	-5.23	115.43	122.91
1	2U	46	ILE	CA-C-N	-5.23	115.43	122.91
1	2U	46	ILE	C-N-CA	-5.23	115.43	122.91
1	2Y	46	ILE	CA-C-N	-5.23	115.43	122.91
1	2Y	46	ILE	C-N-CA	-5.23	115.43	122.91
1	42	46	ILE	CA-C-N	-5.23	115.43	122.91
1	42	46	ILE	C-N-CA	-5.23	115.43	122.91
1	46	46	ILE	CA-C-N	-5.23	115.43	122.91
1	46	46	ILE	C-N-CA	-5.23	115.43	122.91
1	5A	46	ILE	CA-C-N	-5.23	115.43	122.91
1	5A	46	ILE	C-N-CA	-5.23	115.43	122.91
1	52	46	ILE	CA-C-N	-5.23	115.43	122.91
1	52	46	ILE	C-N-CA	-5.23	115.43	122.91
1	56	46	ILE	CA-C-N	-5.23	115.43	122.91
1	56	46	ILE	C-N-CA	-5.23	115.43	122.91
1	6A	46	ILE	CA-C-N	-5.23	115.43	122.91
1	6A	46	ILE	C-N-CA	-5.23	115.43	122.91
1	1A	121	ILE	CB-CA-C	-5.22	101.85	111.36
2	1B	16	ASN	CB-CA-C	-5.22	100.17	110.10
1	1E	97	SER	CA-CB-OG	-5.22	100.65	111.10
1	1I	121	ILE	CB-CA-C	-5.22	101.85	111.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1J	16	ASN	CB-CA-C	-5.22	100.17	110.10
1	1M	121	ILE	CB-CA-C	-5.22	101.85	111.36
1	1Q	51	LEU	CA-CB-CG	5.22	134.58	116.30
2	1R	34	ASP	CB-CG-OD2	-5.22	106.38	118.40
1	1U	51	LEU	CA-CB-CG	5.22	134.58	116.30
2	1V	34	ASP	CB-CG-OD2	-5.22	106.38	118.40
1	1Y	51	LEU	CA-CB-CG	5.22	134.58	116.30
2	1Z	34	ASP	CB-CG-OD2	-5.22	106.38	118.40
1	2E	121	ILE	CB-CA-C	-5.22	101.85	111.36
2	2F	16	ASN	CB-CA-C	-5.22	100.17	110.10
1	2I	121	ILE	CB-CA-C	-5.22	101.85	111.36
1	2M	97	SER	CA-CB-OG	-5.22	100.65	111.10
1	2Q	51	LEU	CA-CB-CG	5.22	134.58	116.30
2	2R	34	ASP	CB-CG-OD2	-5.22	106.38	118.40
1	2U	51	LEU	CA-CB-CG	5.22	134.58	116.30
2	2V	34	ASP	CB-CG-OD2	-5.22	106.38	118.40
1	2Y	51	LEU	CA-CB-CG	5.22	134.58	116.30
2	2Z	34	ASP	CB-CG-OD2	-5.22	106.38	118.40
1	22	97	SER	CA-CB-OG	-5.22	100.65	111.10
1	26	121	ILE	CB-CA-C	-5.22	101.85	111.36
2	27	16	ASN	CB-CA-C	-5.22	100.17	110.10
1	3A	121	ILE	CB-CA-C	-5.22	101.85	111.36
1	3E	121	ILE	CB-CA-C	-5.22	101.85	111.36
2	3F	16	ASN	CB-CA-C	-5.22	100.17	110.10
1	3I	121	ILE	CB-CA-C	-5.22	101.85	111.36
1	3M	97	SER	CA-CB-OG	-5.22	100.65	111.10
1	32	121	ILE	CB-CA-C	-5.22	101.85	111.36
1	36	97	SER	CA-CB-OG	-5.22	100.65	111.10
1	4A	121	ILE	CB-CA-C	-5.22	101.85	111.36
2	4B	16	ASN	CB-CA-C	-5.22	100.17	110.10
1	4E	121	ILE	CB-CA-C	-5.22	101.85	111.36
1	4I	97	SER	CA-CB-OG	-5.22	100.65	111.10
1	4M	121	ILE	CB-CA-C	-5.22	101.85	111.36
2	4N	16	ASN	CB-CA-C	-5.22	100.17	110.10
1	4Q	97	SER	CA-CB-OG	-5.22	100.65	111.10
1	4U	121	ILE	CB-CA-C	-5.22	101.85	111.36
2	4V	16	ASN	CB-CA-C	-5.22	100.17	110.10
1	4Y	121	ILE	CB-CA-C	-5.22	101.85	111.36
1	42	51	LEU	CA-CB-CG	5.22	134.58	116.30
2	43	34	ASP	CB-CG-OD2	-5.22	106.38	118.40
1	46	51	LEU	CA-CB-CG	5.22	134.58	116.30
2	47	34	ASP	CB-CG-OD2	-5.22	106.38	118.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	51	LEU	CA-CB-CG	5.22	134.58	116.30
2	5B	34	ASP	CB-CG-OD2	-5.22	106.38	118.40
1	5Q	121	ILE	CB-CA-C	-5.22	101.85	111.36
2	5R	16	ASN	CB-CA-C	-5.22	100.17	110.10
1	5U	121	ILE	CB-CA-C	-5.22	101.85	111.36
1	5Y	97	SER	CA-CB-OG	-5.22	100.65	111.10
1	52	51	LEU	CA-CB-CG	5.22	134.58	116.30
2	53	34	ASP	CB-CG-OD2	-5.22	106.38	118.40
1	56	51	LEU	CA-CB-CG	5.22	134.58	116.30
2	57	34	ASP	CB-CG-OD2	-5.22	106.38	118.40
1	6A	51	LEU	CA-CB-CG	5.22	134.58	116.30
2	6B	34	ASP	CB-CG-OD2	-5.22	106.38	118.40
1	6E	97	SER	CA-CB-OG	-5.22	100.65	111.10
1	6I	121	ILE	CB-CA-C	-5.22	101.85	111.36
2	6J	16	ASN	CB-CA-C	-5.22	100.17	110.10
1	6M	121	ILE	CB-CA-C	-5.22	101.85	111.36
1	6Q	121	ILE	CB-CA-C	-5.22	101.85	111.36
2	6R	16	ASN	CB-CA-C	-5.22	100.17	110.10
1	6U	121	ILE	CB-CA-C	-5.22	101.85	111.36
1	6Y	97	SER	CA-CB-OG	-5.22	100.65	111.10
1	7E	121	ILE	CB-CA-C	-5.22	101.85	111.36
1	7I	97	SER	CA-CB-OG	-5.22	100.65	111.10
1	7M	121	ILE	CB-CA-C	-5.22	101.85	111.36
2	7N	16	ASN	CB-CA-C	-5.22	100.17	110.10
1	7Q	121	ILE	CB-CA-C	-5.22	101.85	111.36
1	7U	97	SER	CA-CB-OG	-5.22	100.65	111.10
2	13	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	17	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	2B	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	3R	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	3V	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	3Z	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	5F	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	5J	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	5N	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	63	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	67	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	7B	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	1N	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	2J	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	3B	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	3J	16	ASN	CB-CA-C	-5.22	100.18	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	4F	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	4Z	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	5V	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	6N	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	6V	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	7F	16	ASN	CB-CA-C	-5.22	100.18	110.10
2	7R	16	ASN	CB-CA-C	-5.22	100.18	110.10
1	1E	51	LEU	CA-CB-CG	5.22	134.56	116.30
1	12	51	LEU	CA-CB-CG	5.22	134.57	116.30
1	16	51	LEU	CA-CB-CG	5.22	134.57	116.30
1	2A	51	LEU	CA-CB-CG	5.22	134.57	116.30
1	2M	51	LEU	CA-CB-CG	5.22	134.56	116.30
1	22	51	LEU	CA-CB-CG	5.22	134.56	116.30
1	3M	51	LEU	CA-CB-CG	5.22	134.56	116.30
1	3Q	51	LEU	CA-CB-CG	5.22	134.57	116.30
1	3U	51	LEU	CA-CB-CG	5.22	134.57	116.30
1	3Y	51	LEU	CA-CB-CG	5.22	134.57	116.30
1	36	51	LEU	CA-CB-CG	5.22	134.56	116.30
1	4I	51	LEU	CA-CB-CG	5.22	134.56	116.30
1	4Q	51	LEU	CA-CB-CG	5.22	134.56	116.30
1	5E	51	LEU	CA-CB-CG	5.22	134.57	116.30
1	5I	51	LEU	CA-CB-CG	5.22	134.57	116.30
1	5M	51	LEU	CA-CB-CG	5.22	134.57	116.30
1	5Y	51	LEU	CA-CB-CG	5.22	134.56	116.30
1	6E	51	LEU	CA-CB-CG	5.22	134.56	116.30
1	6Y	51	LEU	CA-CB-CG	5.22	134.56	116.30
1	62	51	LEU	CA-CB-CG	5.22	134.57	116.30
1	66	51	LEU	CA-CB-CG	5.22	134.57	116.30
1	7A	51	LEU	CA-CB-CG	5.22	134.57	116.30
1	7I	51	LEU	CA-CB-CG	5.22	134.56	116.30
1	7U	51	LEU	CA-CB-CG	5.22	134.56	116.30
1	1E	14	ASP	OD1-CG-OD2	-5.22	110.38	122.90
2	1F	16	ASN	CB-CA-C	-5.22	100.19	110.10
2	1N	57	LYS	N-CA-CB	-5.22	102.43	110.20
2	2J	57	LYS	N-CA-CB	-5.22	102.43	110.20
1	2M	14	ASP	OD1-CG-OD2	-5.22	110.38	122.90
2	2N	16	ASN	CB-CA-C	-5.22	100.19	110.10
1	22	14	ASP	OD1-CG-OD2	-5.22	110.38	122.90
2	23	16	ASN	CB-CA-C	-5.22	100.19	110.10
2	3B	57	LYS	N-CA-CB	-5.22	102.43	110.20
2	3J	57	LYS	N-CA-CB	-5.22	102.43	110.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3M	14	ASP	OD1-CG-OD2	-5.22	110.38	122.90
2	3N	16	ASN	CB-CA-C	-5.22	100.19	110.10
2	33	57	LYS	N-CA-CB	-5.22	102.43	110.20
1	36	14	ASP	OD1-CG-OD2	-5.22	110.38	122.90
2	37	16	ASN	CB-CA-C	-5.22	100.19	110.10
2	4F	57	LYS	N-CA-CB	-5.22	102.43	110.20
1	4I	14	ASP	OD1-CG-OD2	-5.22	110.38	122.90
2	4J	16	ASN	CB-CA-C	-5.22	100.19	110.10
1	4Q	14	ASP	OD1-CG-OD2	-5.22	110.38	122.90
2	4R	16	ASN	CB-CA-C	-5.22	100.19	110.10
2	4Z	57	LYS	N-CA-CB	-5.22	102.43	110.20
2	5V	57	LYS	N-CA-CB	-5.22	102.43	110.20
1	5Y	14	ASP	OD1-CG-OD2	-5.22	110.38	122.90
2	5Z	16	ASN	CB-CA-C	-5.22	100.19	110.10
1	6E	14	ASP	OD1-CG-OD2	-5.22	110.38	122.90
2	6F	16	ASN	CB-CA-C	-5.22	100.19	110.10
2	6N	57	LYS	N-CA-CB	-5.22	102.43	110.20
2	6V	57	LYS	N-CA-CB	-5.22	102.43	110.20
1	6Y	14	ASP	OD1-CG-OD2	-5.22	110.38	122.90
2	6Z	16	ASN	CB-CA-C	-5.22	100.19	110.10
2	7F	57	LYS	N-CA-CB	-5.22	102.43	110.20
1	7I	14	ASP	OD1-CG-OD2	-5.22	110.38	122.90
2	7J	16	ASN	CB-CA-C	-5.22	100.19	110.10
2	7R	57	LYS	N-CA-CB	-5.22	102.43	110.20
1	7U	14	ASP	OD1-CG-OD2	-5.22	110.38	122.90
2	7V	16	ASN	CB-CA-C	-5.22	100.19	110.10
1	1E	37	ALA	CB-CA-C	5.21	117.10	110.22
2	1N	34	ASP	CB-CG-OD2	-5.21	106.41	118.40
2	1N	215	GLN	CB-CA-C	-5.21	100.79	109.55
2	1R	16	ASN	CB-CA-C	-5.21	100.19	110.10
2	1V	16	ASN	CB-CA-C	-5.21	100.19	110.10
2	1Z	16	ASN	CB-CA-C	-5.21	100.19	110.10
2	2J	34	ASP	CB-CG-OD2	-5.21	106.41	118.40
2	2J	215	GLN	CB-CA-C	-5.21	100.79	109.55
1	2M	37	ALA	CB-CA-C	5.21	117.10	110.22
2	2R	16	ASN	CB-CA-C	-5.21	100.19	110.10
2	2V	16	ASN	CB-CA-C	-5.21	100.19	110.10
2	2Z	16	ASN	CB-CA-C	-5.21	100.19	110.10
1	22	37	ALA	CB-CA-C	5.21	117.10	110.22
2	3B	34	ASP	CB-CG-OD2	-5.21	106.41	118.40
2	3B	215	GLN	CB-CA-C	-5.21	100.79	109.55
2	3J	34	ASP	CB-CG-OD2	-5.21	106.41	118.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3J	215	GLN	CB-CA-C	-5.21	100.79	109.55
1	3M	37	ALA	CB-CA-C	5.21	117.10	110.22
2	33	34	ASP	CB-CG-OD2	-5.21	106.41	118.40
2	33	215	GLN	CB-CA-C	-5.21	100.79	109.55
1	36	37	ALA	CB-CA-C	5.21	117.10	110.22
2	4F	34	ASP	CB-CG-OD2	-5.21	106.41	118.40
2	4F	215	GLN	CB-CA-C	-5.21	100.79	109.55
1	4I	37	ALA	CB-CA-C	5.21	117.10	110.22
1	4Q	37	ALA	CB-CA-C	5.21	117.10	110.22
2	4Z	34	ASP	CB-CG-OD2	-5.21	106.41	118.40
2	4Z	215	GLN	CB-CA-C	-5.21	100.79	109.55
2	43	16	ASN	CB-CA-C	-5.21	100.19	110.10
2	47	16	ASN	CB-CA-C	-5.21	100.19	110.10
2	5B	16	ASN	CB-CA-C	-5.21	100.19	110.10
2	5V	34	ASP	CB-CG-OD2	-5.21	106.41	118.40
2	5V	215	GLN	CB-CA-C	-5.21	100.79	109.55
1	5Y	37	ALA	CB-CA-C	5.21	117.10	110.22
2	53	16	ASN	CB-CA-C	-5.21	100.19	110.10
2	57	16	ASN	CB-CA-C	-5.21	100.19	110.10
2	6B	16	ASN	CB-CA-C	-5.21	100.19	110.10
1	6E	37	ALA	CB-CA-C	5.21	117.10	110.22
2	6N	34	ASP	CB-CG-OD2	-5.21	106.41	118.40
2	6N	215	GLN	CB-CA-C	-5.21	100.79	109.55
2	6V	34	ASP	CB-CG-OD2	-5.21	106.41	118.40
2	6V	215	GLN	CB-CA-C	-5.21	100.79	109.55
1	6Y	37	ALA	CB-CA-C	5.21	117.10	110.22
2	7F	34	ASP	CB-CG-OD2	-5.21	106.41	118.40
2	7F	215	GLN	CB-CA-C	-5.21	100.79	109.55
1	7I	37	ALA	CB-CA-C	5.21	117.10	110.22
2	7R	34	ASP	CB-CG-OD2	-5.21	106.41	118.40
2	7R	215	GLN	CB-CA-C	-5.21	100.79	109.55
1	7U	37	ALA	CB-CA-C	5.21	117.10	110.22
2	1R	194	PRO	N-CA-C	-5.21	101.73	112.47
2	1V	194	PRO	N-CA-C	-5.21	101.73	112.47
2	1Z	194	PRO	N-CA-C	-5.21	101.73	112.47
2	2R	194	PRO	N-CA-C	-5.21	101.73	112.47
2	2V	194	PRO	N-CA-C	-5.21	101.73	112.47
2	2Z	194	PRO	N-CA-C	-5.21	101.73	112.47
2	43	194	PRO	N-CA-C	-5.21	101.73	112.47
2	47	194	PRO	N-CA-C	-5.21	101.73	112.47
2	5B	194	PRO	N-CA-C	-5.21	101.73	112.47
2	53	194	PRO	N-CA-C	-5.21	101.73	112.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	194	PRO	N-CA-C	-5.21	101.73	112.47
2	6B	194	PRO	N-CA-C	-5.21	101.73	112.47
1	1A	105	ILE	N-CA-C	5.21	115.43	110.53
1	1I	105	ILE	N-CA-C	5.21	115.43	110.53
1	1M	51	LEU	CA-CB-CG	5.21	134.54	116.30
1	2E	105	ILE	N-CA-C	5.21	115.43	110.53
1	2I	51	LEU	CA-CB-CG	5.21	134.54	116.30
1	26	105	ILE	N-CA-C	5.21	115.43	110.53
1	3A	51	LEU	CA-CB-CG	5.21	134.54	116.30
1	3E	105	ILE	N-CA-C	5.21	115.43	110.53
1	3I	51	LEU	CA-CB-CG	5.21	134.54	116.30
1	32	51	LEU	CA-CB-CG	5.21	134.54	116.30
1	4A	105	ILE	N-CA-C	5.21	115.43	110.53
1	4E	51	LEU	CA-CB-CG	5.21	134.54	116.30
1	4M	105	ILE	N-CA-C	5.21	115.43	110.53
1	4U	105	ILE	N-CA-C	5.21	115.43	110.53
1	4Y	51	LEU	CA-CB-CG	5.21	134.54	116.30
1	5Q	105	ILE	N-CA-C	5.21	115.43	110.53
1	5U	51	LEU	CA-CB-CG	5.21	134.54	116.30
1	6I	105	ILE	N-CA-C	5.21	115.43	110.53
1	6M	51	LEU	CA-CB-CG	5.21	134.54	116.30
1	6Q	105	ILE	N-CA-C	5.21	115.43	110.53
1	6U	51	LEU	CA-CB-CG	5.21	134.54	116.30
1	7E	51	LEU	CA-CB-CG	5.21	134.54	116.30
1	7M	105	ILE	N-CA-C	5.21	115.43	110.53
1	7Q	51	LEU	CA-CB-CG	5.21	134.54	116.30
2	1B	215	GLN	CB-CA-C	-5.21	100.80	109.55
2	1J	215	GLN	CB-CA-C	-5.21	100.80	109.55
1	1Q	121	ILE	CB-CA-C	-5.21	101.88	111.36
1	1U	121	ILE	CB-CA-C	-5.21	101.88	111.36
1	1Y	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	2F	215	GLN	CB-CA-C	-5.21	100.80	109.55
1	2Q	121	ILE	CB-CA-C	-5.21	101.88	111.36
1	2U	121	ILE	CB-CA-C	-5.21	101.88	111.36
1	2Y	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	27	215	GLN	CB-CA-C	-5.21	100.80	109.55
2	3F	215	GLN	CB-CA-C	-5.21	100.80	109.55
2	4B	215	GLN	CB-CA-C	-5.21	100.80	109.55
2	4N	215	GLN	CB-CA-C	-5.21	100.80	109.55
2	4V	215	GLN	CB-CA-C	-5.21	100.80	109.55
1	42	121	ILE	CB-CA-C	-5.21	101.88	111.36
1	46	121	ILE	CB-CA-C	-5.21	101.88	111.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5A	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	5R	215	GLN	CB-CA-C	-5.21	100.80	109.55
1	52	121	ILE	CB-CA-C	-5.21	101.88	111.36
1	56	121	ILE	CB-CA-C	-5.21	101.88	111.36
1	6A	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	6J	215	GLN	CB-CA-C	-5.21	100.80	109.55
2	6R	215	GLN	CB-CA-C	-5.21	100.80	109.55
2	7N	215	GLN	CB-CA-C	-5.21	100.80	109.55
2	1B	34	ASP	CB-CG-OD2	-5.21	106.42	118.40
2	1J	34	ASP	CB-CG-OD2	-5.21	106.42	118.40
1	12	105	ILE	N-CA-C	5.21	115.43	110.53
1	12	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	13	194	PRO	N-CA-C	-5.21	101.74	112.47
1	16	105	ILE	N-CA-C	5.21	115.43	110.53
1	16	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	17	194	PRO	N-CA-C	-5.21	101.74	112.47
1	2A	105	ILE	N-CA-C	5.21	115.43	110.53
1	2A	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	2B	194	PRO	N-CA-C	-5.21	101.74	112.47
2	2F	34	ASP	CB-CG-OD2	-5.21	106.42	118.40
2	27	34	ASP	CB-CG-OD2	-5.21	106.42	118.40
2	3F	34	ASP	CB-CG-OD2	-5.21	106.42	118.40
1	3Q	105	ILE	N-CA-C	5.21	115.43	110.53
1	3Q	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	3R	194	PRO	N-CA-C	-5.21	101.74	112.47
1	3U	105	ILE	N-CA-C	5.21	115.43	110.53
1	3U	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	3V	194	PRO	N-CA-C	-5.21	101.74	112.47
1	3Y	105	ILE	N-CA-C	5.21	115.43	110.53
1	3Y	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	3Z	194	PRO	N-CA-C	-5.21	101.74	112.47
2	4B	34	ASP	CB-CG-OD2	-5.21	106.42	118.40
2	4N	34	ASP	CB-CG-OD2	-5.21	106.42	118.40
2	4V	34	ASP	CB-CG-OD2	-5.21	106.42	118.40
1	5E	105	ILE	N-CA-C	5.21	115.43	110.53
1	5E	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	5F	194	PRO	N-CA-C	-5.21	101.74	112.47
1	5I	105	ILE	N-CA-C	5.21	115.43	110.53
1	5I	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	5J	194	PRO	N-CA-C	-5.21	101.74	112.47
1	5M	105	ILE	N-CA-C	5.21	115.43	110.53
1	5M	121	ILE	CB-CA-C	-5.21	101.88	111.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5N	194	PRO	N-CA-C	-5.21	101.74	112.47
2	5R	34	ASP	CB-CG-OD2	-5.21	106.42	118.40
2	6J	34	ASP	CB-CG-OD2	-5.21	106.42	118.40
2	6R	34	ASP	CB-CG-OD2	-5.21	106.42	118.40
1	62	105	ILE	N-CA-C	5.21	115.43	110.53
1	62	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	63	194	PRO	N-CA-C	-5.21	101.74	112.47
1	66	105	ILE	N-CA-C	5.21	115.43	110.53
1	66	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	67	194	PRO	N-CA-C	-5.21	101.74	112.47
1	7A	105	ILE	N-CA-C	5.21	115.43	110.53
1	7A	121	ILE	CB-CA-C	-5.21	101.88	111.36
2	7B	194	PRO	N-CA-C	-5.21	101.74	112.47
2	7N	34	ASP	CB-CG-OD2	-5.21	106.42	118.40
2	1B	194	PRO	N-CA-C	-5.21	101.75	112.47
2	1F	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	1J	194	PRO	N-CA-C	-5.21	101.75	112.47
2	13	34	ASP	CB-CG-OD2	-5.21	106.43	118.40
2	13	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	17	34	ASP	CB-CG-OD2	-5.21	106.43	118.40
2	17	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	2B	34	ASP	CB-CG-OD2	-5.21	106.43	118.40
2	2B	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	2F	194	PRO	N-CA-C	-5.21	101.75	112.47
2	2N	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	23	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	27	194	PRO	N-CA-C	-5.21	101.75	112.47
2	3F	194	PRO	N-CA-C	-5.21	101.75	112.47
2	3N	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	3R	34	ASP	CB-CG-OD2	-5.21	106.43	118.40
2	3R	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	3V	34	ASP	CB-CG-OD2	-5.21	106.43	118.40
2	3V	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	3Z	34	ASP	CB-CG-OD2	-5.21	106.43	118.40
2	3Z	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	37	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	4B	194	PRO	N-CA-C	-5.21	101.75	112.47
2	4J	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	4N	194	PRO	N-CA-C	-5.21	101.75	112.47
2	4R	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	4V	194	PRO	N-CA-C	-5.21	101.75	112.47
2	5F	34	ASP	CB-CG-OD2	-5.21	106.43	118.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5F	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	5J	34	ASP	CB-CG-OD2	-5.21	106.43	118.40
2	5J	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	5N	34	ASP	CB-CG-OD2	-5.21	106.43	118.40
2	5N	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	5R	194	PRO	N-CA-C	-5.21	101.75	112.47
2	5Z	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	6F	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	6J	194	PRO	N-CA-C	-5.21	101.75	112.47
2	6R	194	PRO	N-CA-C	-5.21	101.75	112.47
2	6Z	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	63	34	ASP	CB-CG-OD2	-5.21	106.43	118.40
2	63	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	67	34	ASP	CB-CG-OD2	-5.21	106.43	118.40
2	67	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	7B	34	ASP	CB-CG-OD2	-5.21	106.43	118.40
2	7B	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	7J	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	7N	194	PRO	N-CA-C	-5.21	101.75	112.47
2	7V	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	1R	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	1V	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	1Z	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	13	57	LYS	N-CA-CB	-5.21	102.44	110.20
2	17	57	LYS	N-CA-CB	-5.21	102.44	110.20
2	2B	57	LYS	N-CA-CB	-5.21	102.44	110.20
2	2R	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	2V	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	2Z	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	3R	57	LYS	N-CA-CB	-5.21	102.44	110.20
2	3V	57	LYS	N-CA-CB	-5.21	102.44	110.20
2	3Z	57	LYS	N-CA-CB	-5.21	102.44	110.20
2	43	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	47	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	5B	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	5F	57	LYS	N-CA-CB	-5.21	102.44	110.20
2	5J	57	LYS	N-CA-CB	-5.21	102.44	110.20
2	5N	57	LYS	N-CA-CB	-5.21	102.44	110.20
2	53	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	57	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	6B	215	GLN	CG-CD-NE2	-5.21	108.59	116.40
2	63	57	LYS	N-CA-CB	-5.21	102.44	110.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	57	LYS	N-CA-CB	-5.21	102.44	110.20
2	7B	57	LYS	N-CA-CB	-5.21	102.44	110.20
1	1A	37	ALA	CB-CA-C	5.20	117.09	110.22
2	1B	71	ALA	N-CA-C	5.20	116.05	108.14
2	1B	215	GLN	CG-CD-NE2	-5.20	108.59	116.40
2	1F	57	LYS	N-CA-CB	-5.20	102.45	110.20
2	1F	215	GLN	CB-CA-C	-5.20	100.81	109.55
1	1I	37	ALA	CB-CA-C	5.20	117.09	110.22
2	1J	71	ALA	N-CA-C	5.20	116.05	108.14
2	1J	215	GLN	CG-CD-NE2	-5.20	108.59	116.40
1	2E	37	ALA	CB-CA-C	5.20	117.09	110.22
2	2F	71	ALA	N-CA-C	5.20	116.05	108.14
2	2F	215	GLN	CG-CD-NE2	-5.20	108.59	116.40
2	2N	57	LYS	N-CA-CB	-5.20	102.45	110.20
2	2N	215	GLN	CB-CA-C	-5.20	100.81	109.55
2	23	57	LYS	N-CA-CB	-5.20	102.45	110.20
2	23	215	GLN	CB-CA-C	-5.20	100.81	109.55
1	26	37	ALA	CB-CA-C	5.20	117.09	110.22
2	27	71	ALA	N-CA-C	5.20	116.05	108.14
2	27	215	GLN	CG-CD-NE2	-5.20	108.59	116.40
1	3E	37	ALA	CB-CA-C	5.20	117.09	110.22
2	3F	71	ALA	N-CA-C	5.20	116.05	108.14
2	3F	215	GLN	CG-CD-NE2	-5.20	108.59	116.40
2	3N	57	LYS	N-CA-CB	-5.20	102.45	110.20
2	3N	215	GLN	CB-CA-C	-5.20	100.81	109.55
2	37	57	LYS	N-CA-CB	-5.20	102.45	110.20
2	37	215	GLN	CB-CA-C	-5.20	100.81	109.55
1	4A	37	ALA	CB-CA-C	5.20	117.09	110.22
2	4B	71	ALA	N-CA-C	5.20	116.05	108.14
2	4B	215	GLN	CG-CD-NE2	-5.20	108.59	116.40
2	4J	57	LYS	N-CA-CB	-5.20	102.45	110.20
2	4J	215	GLN	CB-CA-C	-5.20	100.81	109.55
1	4M	37	ALA	CB-CA-C	5.20	117.09	110.22
2	4N	71	ALA	N-CA-C	5.20	116.05	108.14
2	4N	215	GLN	CG-CD-NE2	-5.20	108.59	116.40
2	4R	57	LYS	N-CA-CB	-5.20	102.45	110.20
2	4R	215	GLN	CB-CA-C	-5.20	100.81	109.55
1	4U	37	ALA	CB-CA-C	5.20	117.09	110.22
2	4V	71	ALA	N-CA-C	5.20	116.05	108.14
2	4V	215	GLN	CG-CD-NE2	-5.20	108.59	116.40
1	5Q	37	ALA	CB-CA-C	5.20	117.09	110.22
2	5R	71	ALA	N-CA-C	5.20	116.05	108.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5R	215	GLN	CG-CD-NE2	-5.20	108.59	116.40
2	5Z	57	LYS	N-CA-CB	-5.20	102.45	110.20
2	5Z	215	GLN	CB-CA-C	-5.20	100.81	109.55
2	6F	57	LYS	N-CA-CB	-5.20	102.45	110.20
2	6F	215	GLN	CB-CA-C	-5.20	100.81	109.55
1	6I	37	ALA	CB-CA-C	5.20	117.09	110.22
2	6J	71	ALA	N-CA-C	5.20	116.05	108.14
2	6J	215	GLN	CG-CD-NE2	-5.20	108.59	116.40
1	6Q	37	ALA	CB-CA-C	5.20	117.09	110.22
2	6R	71	ALA	N-CA-C	5.20	116.05	108.14
2	6R	215	GLN	CG-CD-NE2	-5.20	108.59	116.40
2	6Z	57	LYS	N-CA-CB	-5.20	102.45	110.20
2	6Z	215	GLN	CB-CA-C	-5.20	100.81	109.55
2	7J	57	LYS	N-CA-CB	-5.20	102.45	110.20
2	7J	215	GLN	CB-CA-C	-5.20	100.81	109.55
1	7M	37	ALA	CB-CA-C	5.20	117.09	110.22
2	7N	71	ALA	N-CA-C	5.20	116.05	108.14
2	7N	215	GLN	CG-CD-NE2	-5.20	108.59	116.40
2	7V	57	LYS	N-CA-CB	-5.20	102.45	110.20
2	7V	215	GLN	CB-CA-C	-5.20	100.81	109.55
2	1F	194	PRO	N-CA-C	-5.20	101.75	112.47
2	1N	194	PRO	N-CA-C	-5.20	101.75	112.47
2	2J	194	PRO	N-CA-C	-5.20	101.75	112.47
2	2N	194	PRO	N-CA-C	-5.20	101.75	112.47
2	23	194	PRO	N-CA-C	-5.20	101.75	112.47
2	3B	194	PRO	N-CA-C	-5.20	101.75	112.47
2	3J	194	PRO	N-CA-C	-5.20	101.75	112.47
2	3N	194	PRO	N-CA-C	-5.20	101.75	112.47
2	33	194	PRO	N-CA-C	-5.20	101.75	112.47
2	37	194	PRO	N-CA-C	-5.20	101.75	112.47
2	4F	194	PRO	N-CA-C	-5.20	101.75	112.47
2	4J	194	PRO	N-CA-C	-5.20	101.75	112.47
2	4R	194	PRO	N-CA-C	-5.20	101.75	112.47
2	4Z	194	PRO	N-CA-C	-5.20	101.75	112.47
2	5V	194	PRO	N-CA-C	-5.20	101.75	112.47
2	5Z	194	PRO	N-CA-C	-5.20	101.75	112.47
2	6F	194	PRO	N-CA-C	-5.20	101.75	112.47
2	6N	194	PRO	N-CA-C	-5.20	101.75	112.47
2	6V	194	PRO	N-CA-C	-5.20	101.75	112.47
2	6Z	194	PRO	N-CA-C	-5.20	101.75	112.47
2	7F	194	PRO	N-CA-C	-5.20	101.75	112.47
2	7J	194	PRO	N-CA-C	-5.20	101.75	112.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7R	194	PRO	N-CA-C	-5.20	101.75	112.47
2	7V	194	PRO	N-CA-C	-5.20	101.75	112.47
2	1F	34	ASP	CB-CG-OD2	-5.20	106.44	118.40
1	1M	105	ILE	N-CA-C	5.20	115.42	110.53
1	2I	105	ILE	N-CA-C	5.20	115.42	110.53
2	2N	34	ASP	CB-CG-OD2	-5.20	106.44	118.40
2	23	34	ASP	CB-CG-OD2	-5.20	106.44	118.40
1	3A	105	ILE	N-CA-C	5.20	115.42	110.53
1	3I	105	ILE	N-CA-C	5.20	115.42	110.53
2	3N	34	ASP	CB-CG-OD2	-5.20	106.44	118.40
1	32	105	ILE	N-CA-C	5.20	115.42	110.53
2	37	34	ASP	CB-CG-OD2	-5.20	106.44	118.40
1	4E	105	ILE	N-CA-C	5.20	115.42	110.53
2	4J	34	ASP	CB-CG-OD2	-5.20	106.44	118.40
2	4R	34	ASP	CB-CG-OD2	-5.20	106.44	118.40
1	4Y	105	ILE	N-CA-C	5.20	115.42	110.53
1	5U	105	ILE	N-CA-C	5.20	115.42	110.53
2	5Z	34	ASP	CB-CG-OD2	-5.20	106.44	118.40
2	6F	34	ASP	CB-CG-OD2	-5.20	106.44	118.40
1	6M	105	ILE	N-CA-C	5.20	115.42	110.53
1	6U	105	ILE	N-CA-C	5.20	115.42	110.53
2	6Z	34	ASP	CB-CG-OD2	-5.20	106.44	118.40
1	7E	105	ILE	N-CA-C	5.20	115.42	110.53
2	7J	34	ASP	CB-CG-OD2	-5.20	106.44	118.40
1	7Q	105	ILE	N-CA-C	5.20	115.42	110.53
2	7V	34	ASP	CB-CG-OD2	-5.20	106.44	118.40
1	1A	28	GLY	CA-C-O	-5.20	115.39	120.75
1	1E	28	GLY	CA-C-O	-5.20	115.40	120.75
1	1I	28	GLY	CA-C-O	-5.20	115.39	120.75
1	2E	28	GLY	CA-C-O	-5.20	115.39	120.75
1	2M	28	GLY	CA-C-O	-5.20	115.40	120.75
1	22	28	GLY	CA-C-O	-5.20	115.40	120.75
1	26	28	GLY	CA-C-O	-5.20	115.39	120.75
1	3E	28	GLY	CA-C-O	-5.20	115.39	120.75
1	3M	28	GLY	CA-C-O	-5.20	115.40	120.75
1	36	28	GLY	CA-C-O	-5.20	115.40	120.75
1	4A	28	GLY	CA-C-O	-5.20	115.39	120.75
1	4I	28	GLY	CA-C-O	-5.20	115.40	120.75
1	4M	28	GLY	CA-C-O	-5.20	115.39	120.75
1	4Q	28	GLY	CA-C-O	-5.20	115.40	120.75
1	4U	28	GLY	CA-C-O	-5.20	115.39	120.75
1	5Q	28	GLY	CA-C-O	-5.20	115.39	120.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5Y	28	GLY	CA-C-O	-5.20	115.40	120.75
1	6E	28	GLY	CA-C-O	-5.20	115.40	120.75
1	6I	28	GLY	CA-C-O	-5.20	115.39	120.75
1	6Q	28	GLY	CA-C-O	-5.20	115.39	120.75
1	6Y	28	GLY	CA-C-O	-5.20	115.40	120.75
1	7I	28	GLY	CA-C-O	-5.20	115.40	120.75
1	7M	28	GLY	CA-C-O	-5.20	115.39	120.75
1	7U	28	GLY	CA-C-O	-5.20	115.40	120.75
1	1Q	105	ILE	N-CA-C	5.20	115.42	110.53
2	1R	215	GLN	CB-CA-C	-5.20	100.82	109.55
1	1U	105	ILE	N-CA-C	5.20	115.42	110.53
2	1V	215	GLN	CB-CA-C	-5.20	100.82	109.55
1	1Y	105	ILE	N-CA-C	5.20	115.42	110.53
2	1Z	215	GLN	CB-CA-C	-5.20	100.82	109.55
1	2Q	105	ILE	N-CA-C	5.20	115.42	110.53
2	2R	215	GLN	CB-CA-C	-5.20	100.82	109.55
1	2U	105	ILE	N-CA-C	5.20	115.42	110.53
2	2V	215	GLN	CB-CA-C	-5.20	100.82	109.55
1	2Y	105	ILE	N-CA-C	5.20	115.42	110.53
2	2Z	215	GLN	CB-CA-C	-5.20	100.82	109.55
1	42	105	ILE	N-CA-C	5.20	115.42	110.53
2	43	215	GLN	CB-CA-C	-5.20	100.82	109.55
1	46	105	ILE	N-CA-C	5.20	115.42	110.53
2	47	215	GLN	CB-CA-C	-5.20	100.82	109.55
1	5A	105	ILE	N-CA-C	5.20	115.42	110.53
2	5B	215	GLN	CB-CA-C	-5.20	100.82	109.55
1	52	105	ILE	N-CA-C	5.20	115.42	110.53
2	53	215	GLN	CB-CA-C	-5.20	100.82	109.55
1	56	105	ILE	N-CA-C	5.20	115.42	110.53
2	57	215	GLN	CB-CA-C	-5.20	100.82	109.55
1	6A	105	ILE	N-CA-C	5.20	115.42	110.53
2	6B	215	GLN	CB-CA-C	-5.20	100.82	109.55
2	1N	215	GLN	CG-CD-NE2	-5.20	108.61	116.40
2	1R	57	LYS	N-CA-CB	-5.20	102.46	110.20
2	1V	57	LYS	N-CA-CB	-5.20	102.46	110.20
2	1Z	57	LYS	N-CA-CB	-5.20	102.46	110.20
2	2J	215	GLN	CG-CD-NE2	-5.20	108.61	116.40
2	2R	57	LYS	N-CA-CB	-5.20	102.46	110.20
2	2V	57	LYS	N-CA-CB	-5.20	102.46	110.20
2	2Z	57	LYS	N-CA-CB	-5.20	102.46	110.20
2	3B	215	GLN	CG-CD-NE2	-5.20	108.61	116.40
2	3J	215	GLN	CG-CD-NE2	-5.20	108.61	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	215	GLN	CG-CD-NE2	-5.20	108.61	116.40
2	4F	215	GLN	CG-CD-NE2	-5.20	108.61	116.40
2	4Z	215	GLN	CG-CD-NE2	-5.20	108.61	116.40
2	43	57	LYS	N-CA-CB	-5.20	102.46	110.20
2	47	57	LYS	N-CA-CB	-5.20	102.46	110.20
2	5B	57	LYS	N-CA-CB	-5.20	102.46	110.20
2	5V	215	GLN	CG-CD-NE2	-5.20	108.61	116.40
2	53	57	LYS	N-CA-CB	-5.20	102.46	110.20
2	57	57	LYS	N-CA-CB	-5.20	102.46	110.20
2	6B	57	LYS	N-CA-CB	-5.20	102.46	110.20
2	6N	215	GLN	CG-CD-NE2	-5.20	108.61	116.40
2	6V	215	GLN	CG-CD-NE2	-5.20	108.61	116.40
2	7F	215	GLN	CG-CD-NE2	-5.20	108.61	116.40
2	7R	215	GLN	CG-CD-NE2	-5.20	108.61	116.40
1	1Q	28	GLY	CA-C-O	-5.19	115.40	120.75
1	1U	28	GLY	CA-C-O	-5.19	115.40	120.75
1	1Y	28	GLY	CA-C-O	-5.19	115.40	120.75
1	12	102	ASP	N-CA-C	-5.19	105.62	111.28
2	13	149	HIS	CE1-NE2-CD2	-5.19	103.81	109.00
1	16	102	ASP	N-CA-C	-5.19	105.62	111.28
2	17	149	HIS	CE1-NE2-CD2	-5.19	103.81	109.00
1	2A	102	ASP	N-CA-C	-5.19	105.62	111.28
2	2B	149	HIS	CE1-NE2-CD2	-5.19	103.81	109.00
1	2Q	28	GLY	CA-C-O	-5.19	115.40	120.75
1	2U	28	GLY	CA-C-O	-5.19	115.40	120.75
1	2Y	28	GLY	CA-C-O	-5.19	115.40	120.75
1	3Q	102	ASP	N-CA-C	-5.19	105.62	111.28
2	3R	149	HIS	CE1-NE2-CD2	-5.19	103.81	109.00
1	3U	102	ASP	N-CA-C	-5.19	105.62	111.28
2	3V	149	HIS	CE1-NE2-CD2	-5.19	103.81	109.00
1	3Y	102	ASP	N-CA-C	-5.19	105.62	111.28
2	3Z	149	HIS	CE1-NE2-CD2	-5.19	103.81	109.00
1	42	28	GLY	CA-C-O	-5.19	115.40	120.75
1	46	28	GLY	CA-C-O	-5.19	115.40	120.75
1	5A	28	GLY	CA-C-O	-5.19	115.40	120.75
1	5E	102	ASP	N-CA-C	-5.19	105.62	111.28
2	5F	149	HIS	CE1-NE2-CD2	-5.19	103.81	109.00
1	5I	102	ASP	N-CA-C	-5.19	105.62	111.28
2	5J	149	HIS	CE1-NE2-CD2	-5.19	103.81	109.00
1	5M	102	ASP	N-CA-C	-5.19	105.62	111.28
2	5N	149	HIS	CE1-NE2-CD2	-5.19	103.81	109.00
1	52	28	GLY	CA-C-O	-5.19	115.40	120.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	56	28	GLY	CA-C-O	-5.19	115.40	120.75
1	6A	28	GLY	CA-C-O	-5.19	115.40	120.75
1	62	102	ASP	N-CA-C	-5.19	105.62	111.28
2	63	149	HIS	CE1-NE2-CD2	-5.19	103.81	109.00
1	66	102	ASP	N-CA-C	-5.19	105.62	111.28
2	67	149	HIS	CE1-NE2-CD2	-5.19	103.81	109.00
1	7A	102	ASP	N-CA-C	-5.19	105.62	111.28
2	7B	149	HIS	CE1-NE2-CD2	-5.19	103.81	109.00
1	1E	102	ASP	N-CA-C	-5.19	105.62	111.28
2	13	215	GLN	CB-CA-C	-5.19	100.83	109.55
2	17	215	GLN	CB-CA-C	-5.19	100.83	109.55
2	2B	215	GLN	CB-CA-C	-5.19	100.83	109.55
1	2M	102	ASP	N-CA-C	-5.19	105.62	111.28
1	22	102	ASP	N-CA-C	-5.19	105.62	111.28
1	3M	102	ASP	N-CA-C	-5.19	105.62	111.28
2	3R	215	GLN	CB-CA-C	-5.19	100.83	109.55
2	3V	215	GLN	CB-CA-C	-5.19	100.83	109.55
2	3Z	215	GLN	CB-CA-C	-5.19	100.83	109.55
1	36	102	ASP	N-CA-C	-5.19	105.62	111.28
1	4I	102	ASP	N-CA-C	-5.19	105.62	111.28
1	4Q	102	ASP	N-CA-C	-5.19	105.62	111.28
2	5F	215	GLN	CB-CA-C	-5.19	100.83	109.55
2	5J	215	GLN	CB-CA-C	-5.19	100.83	109.55
2	5N	215	GLN	CB-CA-C	-5.19	100.83	109.55
1	5Y	102	ASP	N-CA-C	-5.19	105.62	111.28
1	6E	102	ASP	N-CA-C	-5.19	105.62	111.28
1	6Y	102	ASP	N-CA-C	-5.19	105.62	111.28
2	63	215	GLN	CB-CA-C	-5.19	100.83	109.55
2	67	215	GLN	CB-CA-C	-5.19	100.83	109.55
2	7B	215	GLN	CB-CA-C	-5.19	100.83	109.55
1	7I	102	ASP	N-CA-C	-5.19	105.62	111.28
1	7U	102	ASP	N-CA-C	-5.19	105.62	111.28
4	1H	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
1	1M	37	ALA	CB-CA-C	5.18	117.06	110.22
1	2I	37	ALA	CB-CA-C	5.18	117.06	110.22
4	2P	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
4	25	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
1	3A	37	ALA	CB-CA-C	5.18	117.06	110.22
1	3I	37	ALA	CB-CA-C	5.18	117.06	110.22
4	3P	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
1	32	37	ALA	CB-CA-C	5.18	117.06	110.22
4	39	104	HIS	CB-CG-CD2	-5.18	124.46	131.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	37	ALA	CB-CA-C	5.18	117.06	110.22
4	4L	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
4	4T	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
1	4Y	37	ALA	CB-CA-C	5.18	117.06	110.22
1	5U	37	ALA	CB-CA-C	5.18	117.06	110.22
4	51	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
4	6H	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
1	6M	37	ALA	CB-CA-C	5.18	117.06	110.22
1	6U	37	ALA	CB-CA-C	5.18	117.06	110.22
4	61	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
1	7E	37	ALA	CB-CA-C	5.18	117.06	110.22
4	7L	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
1	7Q	37	ALA	CB-CA-C	5.18	117.06	110.22
4	7X	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
2	1B	57	LYS	N-CA-CB	-5.18	102.48	110.20
4	1D	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
2	1J	57	LYS	N-CA-CB	-5.18	102.48	110.20
4	1L	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
2	2F	57	LYS	N-CA-CB	-5.18	102.48	110.20
4	2H	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
2	27	57	LYS	N-CA-CB	-5.18	102.48	110.20
4	29	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
2	3F	57	LYS	N-CA-CB	-5.18	102.48	110.20
4	3H	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
2	4B	57	LYS	N-CA-CB	-5.18	102.48	110.20
4	4D	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
2	4N	57	LYS	N-CA-CB	-5.18	102.48	110.20
4	4P	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
2	4V	57	LYS	N-CA-CB	-5.18	102.48	110.20
4	4X	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
2	5R	57	LYS	N-CA-CB	-5.18	102.48	110.20
4	5T	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
2	6J	57	LYS	N-CA-CB	-5.18	102.48	110.20
4	6L	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
2	6R	57	LYS	N-CA-CB	-5.18	102.48	110.20
4	6T	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
2	7N	57	LYS	N-CA-CB	-5.18	102.48	110.20
4	7P	104	HIS	CB-CG-CD2	-5.18	124.46	131.20
1	12	37	ALA	CB-CA-C	5.18	117.06	110.22
1	12	172	PHE	N-CA-CB	-5.18	101.73	110.49
1	16	37	ALA	CB-CA-C	5.18	117.06	110.22
1	16	172	PHE	N-CA-CB	-5.18	101.73	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	37	ALA	CB-CA-C	5.18	117.06	110.22
1	2A	172	PHE	N-CA-CB	-5.18	101.73	110.49
1	3Q	37	ALA	CB-CA-C	5.18	117.06	110.22
1	3Q	172	PHE	N-CA-CB	-5.18	101.73	110.49
1	3U	37	ALA	CB-CA-C	5.18	117.06	110.22
1	3U	172	PHE	N-CA-CB	-5.18	101.73	110.49
1	3Y	37	ALA	CB-CA-C	5.18	117.06	110.22
1	3Y	172	PHE	N-CA-CB	-5.18	101.73	110.49
1	5E	37	ALA	CB-CA-C	5.18	117.06	110.22
1	5E	172	PHE	N-CA-CB	-5.18	101.73	110.49
1	5I	37	ALA	CB-CA-C	5.18	117.06	110.22
1	5I	172	PHE	N-CA-CB	-5.18	101.73	110.49
1	5M	37	ALA	CB-CA-C	5.18	117.06	110.22
1	5M	172	PHE	N-CA-CB	-5.18	101.73	110.49
1	62	37	ALA	CB-CA-C	5.18	117.06	110.22
1	62	172	PHE	N-CA-CB	-5.18	101.73	110.49
1	66	37	ALA	CB-CA-C	5.18	117.06	110.22
1	66	172	PHE	N-CA-CB	-5.18	101.73	110.49
1	7A	37	ALA	CB-CA-C	5.18	117.06	110.22
1	7A	172	PHE	N-CA-CB	-5.18	101.73	110.49
1	1Q	102	ASP	N-CA-C	-5.18	105.63	111.28
1	1Q	133	ASN	CA-CB-CG	-5.18	107.42	112.60
2	1R	71	ALA	N-CA-C	5.18	116.01	108.14
1	1U	102	ASP	N-CA-C	-5.18	105.63	111.28
1	1U	133	ASN	CA-CB-CG	-5.18	107.42	112.60
2	1V	71	ALA	N-CA-C	5.18	116.01	108.14
1	1Y	102	ASP	N-CA-C	-5.18	105.63	111.28
1	1Y	133	ASN	CA-CB-CG	-5.18	107.42	112.60
2	1Z	71	ALA	N-CA-C	5.18	116.01	108.14
1	2Q	102	ASP	N-CA-C	-5.18	105.63	111.28
1	2Q	133	ASN	CA-CB-CG	-5.18	107.42	112.60
2	2R	71	ALA	N-CA-C	5.18	116.01	108.14
1	2U	102	ASP	N-CA-C	-5.18	105.63	111.28
1	2U	133	ASN	CA-CB-CG	-5.18	107.42	112.60
2	2V	71	ALA	N-CA-C	5.18	116.01	108.14
1	2Y	102	ASP	N-CA-C	-5.18	105.63	111.28
1	2Y	133	ASN	CA-CB-CG	-5.18	107.42	112.60
2	2Z	71	ALA	N-CA-C	5.18	116.01	108.14
1	42	102	ASP	N-CA-C	-5.18	105.63	111.28
1	42	133	ASN	CA-CB-CG	-5.18	107.42	112.60
2	43	71	ALA	N-CA-C	5.18	116.01	108.14
1	46	102	ASP	N-CA-C	-5.18	105.63	111.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	46	133	ASN	CA-CB-CG	-5.18	107.42	112.60
2	47	71	ALA	N-CA-C	5.18	116.01	108.14
1	5A	102	ASP	N-CA-C	-5.18	105.63	111.28
1	5A	133	ASN	CA-CB-CG	-5.18	107.42	112.60
2	5B	71	ALA	N-CA-C	5.18	116.01	108.14
1	52	102	ASP	N-CA-C	-5.18	105.63	111.28
1	52	133	ASN	CA-CB-CG	-5.18	107.42	112.60
2	53	71	ALA	N-CA-C	5.18	116.01	108.14
1	56	102	ASP	N-CA-C	-5.18	105.63	111.28
1	56	133	ASN	CA-CB-CG	-5.18	107.42	112.60
2	57	71	ALA	N-CA-C	5.18	116.01	108.14
1	6A	102	ASP	N-CA-C	-5.18	105.63	111.28
1	6A	133	ASN	CA-CB-CG	-5.18	107.42	112.60
2	6B	71	ALA	N-CA-C	5.18	116.01	108.14
2	1F	71	ALA	N-CA-C	5.18	116.01	108.14
2	2N	71	ALA	N-CA-C	5.18	116.01	108.14
2	23	71	ALA	N-CA-C	5.18	116.01	108.14
2	3N	71	ALA	N-CA-C	5.18	116.01	108.14
2	37	71	ALA	N-CA-C	5.18	116.01	108.14
2	4J	71	ALA	N-CA-C	5.18	116.01	108.14
2	4R	71	ALA	N-CA-C	5.18	116.01	108.14
2	5Z	71	ALA	N-CA-C	5.18	116.01	108.14
2	6F	71	ALA	N-CA-C	5.18	116.01	108.14
2	6Z	71	ALA	N-CA-C	5.18	116.01	108.14
2	7J	71	ALA	N-CA-C	5.18	116.01	108.14
2	7V	71	ALA	N-CA-C	5.18	116.01	108.14
2	1N	71	ALA	N-CA-C	5.17	116.01	108.14
2	2J	71	ALA	N-CA-C	5.17	116.01	108.14
2	3B	71	ALA	N-CA-C	5.17	116.01	108.14
2	3J	71	ALA	N-CA-C	5.17	116.01	108.14
2	33	71	ALA	N-CA-C	5.17	116.01	108.14
2	4F	71	ALA	N-CA-C	5.17	116.01	108.14
2	4Z	71	ALA	N-CA-C	5.17	116.01	108.14
2	5V	71	ALA	N-CA-C	5.17	116.01	108.14
2	6N	71	ALA	N-CA-C	5.17	116.01	108.14
2	6V	71	ALA	N-CA-C	5.17	116.01	108.14
2	7F	71	ALA	N-CA-C	5.17	116.01	108.14
2	7R	71	ALA	N-CA-C	5.17	116.01	108.14
1	1A	102	ASP	N-CA-C	-5.17	105.64	111.28
1	1I	102	ASP	N-CA-C	-5.17	105.64	111.28
1	2E	102	ASP	N-CA-C	-5.17	105.64	111.28
1	26	102	ASP	N-CA-C	-5.17	105.64	111.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3E	102	ASP	N-CA-C	-5.17	105.64	111.28
1	4A	102	ASP	N-CA-C	-5.17	105.64	111.28
1	4M	102	ASP	N-CA-C	-5.17	105.64	111.28
1	4U	102	ASP	N-CA-C	-5.17	105.64	111.28
1	5Q	102	ASP	N-CA-C	-5.17	105.64	111.28
1	6I	102	ASP	N-CA-C	-5.17	105.64	111.28
1	6Q	102	ASP	N-CA-C	-5.17	105.64	111.28
1	7M	102	ASP	N-CA-C	-5.17	105.64	111.28
1	1E	172	PHE	N-CA-CB	-5.17	101.75	110.49
1	1M	102	ASP	N-CA-C	-5.17	105.65	111.28
2	1N	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
1	1Q	37	ALA	CB-CA-C	5.17	117.04	110.22
1	1U	37	ALA	CB-CA-C	5.17	117.04	110.22
1	1Y	37	ALA	CB-CA-C	5.17	117.04	110.22
1	12	133	ASN	CA-CB-CG	-5.17	107.43	112.60
1	16	133	ASN	CA-CB-CG	-5.17	107.43	112.60
1	2A	133	ASN	CA-CB-CG	-5.17	107.43	112.60
1	2I	102	ASP	N-CA-C	-5.17	105.65	111.28
2	2J	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
1	2M	172	PHE	N-CA-CB	-5.17	101.75	110.49
1	2Q	37	ALA	CB-CA-C	5.17	117.04	110.22
1	2U	37	ALA	CB-CA-C	5.17	117.04	110.22
1	2Y	37	ALA	CB-CA-C	5.17	117.04	110.22
1	22	172	PHE	N-CA-CB	-5.17	101.75	110.49
1	3A	102	ASP	N-CA-C	-5.17	105.65	111.28
2	3B	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
1	3I	102	ASP	N-CA-C	-5.17	105.65	111.28
2	3J	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
1	3M	172	PHE	N-CA-CB	-5.17	101.75	110.49
1	3Q	133	ASN	CA-CB-CG	-5.17	107.43	112.60
1	3U	133	ASN	CA-CB-CG	-5.17	107.43	112.60
1	3Y	133	ASN	CA-CB-CG	-5.17	107.43	112.60
1	32	102	ASP	N-CA-C	-5.17	105.65	111.28
2	33	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
1	36	172	PHE	N-CA-CB	-5.17	101.75	110.49
1	4E	102	ASP	N-CA-C	-5.17	105.65	111.28
2	4F	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
1	4I	172	PHE	N-CA-CB	-5.17	101.75	110.49
1	4Q	172	PHE	N-CA-CB	-5.17	101.75	110.49
1	4Y	102	ASP	N-CA-C	-5.17	105.65	111.28
2	4Z	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
1	42	37	ALA	CB-CA-C	5.17	117.04	110.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	46	37	ALA	CB-CA-C	5.17	117.04	110.22
1	5A	37	ALA	CB-CA-C	5.17	117.04	110.22
1	5E	133	ASN	CA-CB-CG	-5.17	107.43	112.60
1	5I	133	ASN	CA-CB-CG	-5.17	107.43	112.60
1	5M	133	ASN	CA-CB-CG	-5.17	107.43	112.60
1	5U	102	ASP	N-CA-C	-5.17	105.65	111.28
2	5V	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
1	5Y	172	PHE	N-CA-CB	-5.17	101.75	110.49
1	52	37	ALA	CB-CA-C	5.17	117.04	110.22
1	56	37	ALA	CB-CA-C	5.17	117.04	110.22
1	6A	37	ALA	CB-CA-C	5.17	117.04	110.22
1	6E	172	PHE	N-CA-CB	-5.17	101.75	110.49
1	6M	102	ASP	N-CA-C	-5.17	105.65	111.28
2	6N	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
1	6U	102	ASP	N-CA-C	-5.17	105.65	111.28
2	6V	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
1	6Y	172	PHE	N-CA-CB	-5.17	101.75	110.49
1	62	133	ASN	CA-CB-CG	-5.17	107.43	112.60
1	66	133	ASN	CA-CB-CG	-5.17	107.43	112.60
1	7A	133	ASN	CA-CB-CG	-5.17	107.43	112.60
1	7E	102	ASP	N-CA-C	-5.17	105.65	111.28
2	7F	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
1	7I	172	PHE	N-CA-CB	-5.17	101.75	110.49
1	7Q	102	ASP	N-CA-C	-5.17	105.65	111.28
2	7R	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
1	7U	172	PHE	N-CA-CB	-5.17	101.75	110.49
2	1F	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
4	15	104	HIS	CB-CG-CD2	-5.17	124.48	131.20
4	19	104	HIS	CB-CG-CD2	-5.17	124.48	131.20
4	2D	104	HIS	CB-CG-CD2	-5.17	124.48	131.20
2	2N	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
2	23	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
2	3N	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
4	3T	104	HIS	CB-CG-CD2	-5.17	124.48	131.20
4	3X	104	HIS	CB-CG-CD2	-5.17	124.48	131.20
4	31	104	HIS	CB-CG-CD2	-5.17	124.48	131.20
2	37	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
2	4J	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
2	4R	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
4	5H	104	HIS	CB-CG-CD2	-5.17	124.48	131.20
4	5L	104	HIS	CB-CG-CD2	-5.17	124.48	131.20
4	5P	104	HIS	CB-CG-CD2	-5.17	124.48	131.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5Z	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
2	6F	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
2	6Z	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
4	65	104	HIS	CB-CG-CD2	-5.17	124.48	131.20
4	69	104	HIS	CB-CG-CD2	-5.17	124.48	131.20
4	7D	104	HIS	CB-CG-CD2	-5.17	124.48	131.20
2	7J	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
2	7V	149	HIS	CE1-NE2-CD2	-5.17	103.83	109.00
1	1A	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	1I	172	PHE	N-CA-CB	-5.16	101.77	110.49
2	13	71	ALA	N-CA-C	5.16	115.99	108.14
2	17	71	ALA	N-CA-C	5.16	115.99	108.14
2	2B	71	ALA	N-CA-C	5.16	115.99	108.14
1	2E	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	26	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	3E	172	PHE	N-CA-CB	-5.16	101.77	110.49
2	3R	71	ALA	N-CA-C	5.16	115.99	108.14
2	3V	71	ALA	N-CA-C	5.16	115.99	108.14
2	3Z	71	ALA	N-CA-C	5.16	115.99	108.14
1	4A	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	4M	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	4U	172	PHE	N-CA-CB	-5.16	101.77	110.49
2	5F	71	ALA	N-CA-C	5.16	115.99	108.14
2	5J	71	ALA	N-CA-C	5.16	115.99	108.14
2	5N	71	ALA	N-CA-C	5.16	115.99	108.14
1	5Q	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	6I	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	6Q	172	PHE	N-CA-CB	-5.16	101.77	110.49
2	63	71	ALA	N-CA-C	5.16	115.99	108.14
2	67	71	ALA	N-CA-C	5.16	115.99	108.14
2	7B	71	ALA	N-CA-C	5.16	115.99	108.14
1	7M	172	PHE	N-CA-CB	-5.16	101.77	110.49
2	1B	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	1J	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	2F	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	27	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	3F	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	4B	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	4N	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	4V	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	5R	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	6J	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	7N	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
1	1Q	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	1U	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	1Y	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	2Q	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	2U	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	2Y	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	42	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	46	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	5A	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	52	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	56	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	6A	172	PHE	N-CA-CB	-5.16	101.77	110.49
1	1M	54	ASN	CA-CB-CG	-5.16	107.44	112.60
2	1R	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	1V	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	1Z	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
1	2I	54	ASN	CA-CB-CG	-5.16	107.44	112.60
2	2R	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	2V	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	2Z	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
1	3A	54	ASN	CA-CB-CG	-5.16	107.44	112.60
1	3I	54	ASN	CA-CB-CG	-5.16	107.44	112.60
1	32	54	ASN	CA-CB-CG	-5.16	107.44	112.60
1	4E	54	ASN	CA-CB-CG	-5.16	107.44	112.60
1	4Y	54	ASN	CA-CB-CG	-5.16	107.44	112.60
2	43	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	47	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	5B	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
1	5U	54	ASN	CA-CB-CG	-5.16	107.44	112.60
2	53	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	57	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
2	6B	149	HIS	CE1-NE2-CD2	-5.16	103.84	109.00
1	6M	54	ASN	CA-CB-CG	-5.16	107.44	112.60
1	6U	54	ASN	CA-CB-CG	-5.16	107.44	112.60
1	7E	54	ASN	CA-CB-CG	-5.16	107.44	112.60
1	7Q	54	ASN	CA-CB-CG	-5.16	107.44	112.60
4	1T	104	HIS	CB-CG-CD2	-5.16	124.50	131.20
4	1X	104	HIS	CB-CG-CD2	-5.16	124.50	131.20
4	11	104	HIS	CB-CG-CD2	-5.16	124.50	131.20
2	13	34	ASP	CB-CA-C	5.16	119.76	111.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	17	34	ASP	CB-CA-C	5.16	119.76	111.05
2	2B	34	ASP	CB-CA-C	5.16	119.76	111.05
4	2T	104	HIS	CB-CG-CD2	-5.16	124.50	131.20
4	2X	104	HIS	CB-CG-CD2	-5.16	124.50	131.20
4	21	104	HIS	CB-CG-CD2	-5.16	124.50	131.20
2	3R	34	ASP	CB-CA-C	5.16	119.76	111.05
2	3V	34	ASP	CB-CA-C	5.16	119.76	111.05
2	3Z	34	ASP	CB-CA-C	5.16	119.76	111.05
4	45	104	HIS	CB-CG-CD2	-5.16	124.50	131.20
4	49	104	HIS	CB-CG-CD2	-5.16	124.50	131.20
4	5D	104	HIS	CB-CG-CD2	-5.16	124.50	131.20
2	5F	34	ASP	CB-CA-C	5.16	119.76	111.05
2	5J	34	ASP	CB-CA-C	5.16	119.76	111.05
2	5N	34	ASP	CB-CA-C	5.16	119.76	111.05
4	55	104	HIS	CB-CG-CD2	-5.16	124.50	131.20
4	59	104	HIS	CB-CG-CD2	-5.16	124.50	131.20
4	6D	104	HIS	CB-CG-CD2	-5.16	124.50	131.20
2	63	34	ASP	CB-CA-C	5.16	119.76	111.05
2	67	34	ASP	CB-CA-C	5.16	119.76	111.05
2	7B	34	ASP	CB-CA-C	5.16	119.76	111.05
4	1P	104	HIS	CB-CG-CD2	-5.15	124.50	131.20
4	2L	104	HIS	CB-CG-CD2	-5.15	124.50	131.20
4	3D	104	HIS	CB-CG-CD2	-5.15	124.50	131.20
4	3L	104	HIS	CB-CG-CD2	-5.15	124.50	131.20
4	35	104	HIS	CB-CG-CD2	-5.15	124.50	131.20
4	4H	104	HIS	CB-CG-CD2	-5.15	124.50	131.20
4	41	104	HIS	CB-CG-CD2	-5.15	124.50	131.20
4	5X	104	HIS	CB-CG-CD2	-5.15	124.50	131.20
4	6P	104	HIS	CB-CG-CD2	-5.15	124.50	131.20
4	6X	104	HIS	CB-CG-CD2	-5.15	124.50	131.20
4	7H	104	HIS	CB-CG-CD2	-5.15	124.50	131.20
4	7T	104	HIS	CB-CG-CD2	-5.15	124.50	131.20
2	1F	34	ASP	CB-CA-C	5.15	119.75	111.05
1	1M	172	PHE	N-CA-CB	-5.15	101.79	110.49
1	2I	172	PHE	N-CA-CB	-5.15	101.79	110.49
2	2N	34	ASP	CB-CA-C	5.15	119.75	111.05
2	23	34	ASP	CB-CA-C	5.15	119.75	111.05
1	3A	172	PHE	N-CA-CB	-5.15	101.79	110.49
1	3I	172	PHE	N-CA-CB	-5.15	101.79	110.49
2	3N	34	ASP	CB-CA-C	5.15	119.75	111.05
1	32	172	PHE	N-CA-CB	-5.15	101.79	110.49
2	37	34	ASP	CB-CA-C	5.15	119.75	111.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4E	172	PHE	N-CA-CB	-5.15	101.79	110.49
2	4J	34	ASP	CB-CA-C	5.15	119.75	111.05
2	4R	34	ASP	CB-CA-C	5.15	119.75	111.05
1	4Y	172	PHE	N-CA-CB	-5.15	101.79	110.49
1	5U	172	PHE	N-CA-CB	-5.15	101.79	110.49
2	5Z	34	ASP	CB-CA-C	5.15	119.75	111.05
2	6F	34	ASP	CB-CA-C	5.15	119.75	111.05
1	6M	172	PHE	N-CA-CB	-5.15	101.79	110.49
1	6U	172	PHE	N-CA-CB	-5.15	101.79	110.49
2	6Z	34	ASP	CB-CA-C	5.15	119.75	111.05
1	7E	172	PHE	N-CA-CB	-5.15	101.79	110.49
2	7J	34	ASP	CB-CA-C	5.15	119.75	111.05
1	7Q	172	PHE	N-CA-CB	-5.15	101.79	110.49
2	7V	34	ASP	CB-CA-C	5.15	119.75	111.05
2	1R	34	ASP	CB-CA-C	5.15	119.75	111.05
2	1V	34	ASP	CB-CA-C	5.15	119.75	111.05
2	1Z	34	ASP	CB-CA-C	5.15	119.75	111.05
2	2R	34	ASP	CB-CA-C	5.15	119.75	111.05
2	2V	34	ASP	CB-CA-C	5.15	119.75	111.05
2	2Z	34	ASP	CB-CA-C	5.15	119.75	111.05
2	43	34	ASP	CB-CA-C	5.15	119.75	111.05
2	47	34	ASP	CB-CA-C	5.15	119.75	111.05
2	5B	34	ASP	CB-CA-C	5.15	119.75	111.05
2	53	34	ASP	CB-CA-C	5.15	119.75	111.05
2	57	34	ASP	CB-CA-C	5.15	119.75	111.05
2	6B	34	ASP	CB-CA-C	5.15	119.75	111.05
1	1E	51	LEU	O-C-N	5.14	128.77	122.75
1	2M	51	LEU	O-C-N	5.14	128.77	122.75
1	22	51	LEU	O-C-N	5.14	128.77	122.75
1	3M	51	LEU	O-C-N	5.14	128.77	122.75
1	36	51	LEU	O-C-N	5.14	128.77	122.75
1	4I	51	LEU	O-C-N	5.14	128.77	122.75
1	4Q	51	LEU	O-C-N	5.14	128.77	122.75
1	5Y	51	LEU	O-C-N	5.14	128.77	122.75
1	6E	51	LEU	O-C-N	5.14	128.77	122.75
1	6Y	51	LEU	O-C-N	5.14	128.77	122.75
1	7I	51	LEU	O-C-N	5.14	128.77	122.75
1	7U	51	LEU	O-C-N	5.14	128.77	122.75
1	1A	133	ASN	CA-CB-CG	-5.14	107.46	112.60
2	1B	34	ASP	CB-CA-C	5.14	119.74	111.05
1	1E	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	1I	133	ASN	CA-CB-CG	-5.14	107.46	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1J	34	ASP	CB-CA-C	5.14	119.74	111.05
1	2E	133	ASN	CA-CB-CG	-5.14	107.46	112.60
2	2F	34	ASP	CB-CA-C	5.14	119.74	111.05
1	2M	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	22	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	26	133	ASN	CA-CB-CG	-5.14	107.46	112.60
2	27	34	ASP	CB-CA-C	5.14	119.74	111.05
1	3E	133	ASN	CA-CB-CG	-5.14	107.46	112.60
2	3F	34	ASP	CB-CA-C	5.14	119.74	111.05
1	3M	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	36	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	4A	133	ASN	CA-CB-CG	-5.14	107.46	112.60
2	4B	34	ASP	CB-CA-C	5.14	119.74	111.05
1	4I	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	4M	133	ASN	CA-CB-CG	-5.14	107.46	112.60
2	4N	34	ASP	CB-CA-C	5.14	119.74	111.05
1	4Q	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	4U	133	ASN	CA-CB-CG	-5.14	107.46	112.60
2	4V	34	ASP	CB-CA-C	5.14	119.74	111.05
1	5Q	133	ASN	CA-CB-CG	-5.14	107.46	112.60
2	5R	34	ASP	CB-CA-C	5.14	119.74	111.05
1	5Y	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	6E	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	6I	133	ASN	CA-CB-CG	-5.14	107.46	112.60
2	6J	34	ASP	CB-CA-C	5.14	119.74	111.05
1	6Q	133	ASN	CA-CB-CG	-5.14	107.46	112.60
2	6R	34	ASP	CB-CA-C	5.14	119.74	111.05
1	6Y	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	7I	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	7M	133	ASN	CA-CB-CG	-5.14	107.46	112.60
2	7N	34	ASP	CB-CA-C	5.14	119.74	111.05
1	7U	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	12	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	16	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	2A	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	3Q	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	3U	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	3Y	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	5E	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	5I	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	5M	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	62	54	ASN	CA-CB-CG	-5.14	107.46	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	66	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	7A	54	ASN	CA-CB-CG	-5.14	107.46	112.60
1	1Q	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	1U	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	1Y	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	12	38	PRO	N-CA-C	5.13	123.05	112.47
1	16	38	PRO	N-CA-C	5.13	123.05	112.47
1	2A	38	PRO	N-CA-C	5.13	123.05	112.47
1	2Q	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	2U	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	2Y	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	3Q	38	PRO	N-CA-C	5.13	123.05	112.47
1	3U	38	PRO	N-CA-C	5.13	123.05	112.47
1	3Y	38	PRO	N-CA-C	5.13	123.05	112.47
1	42	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	46	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	5A	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	5E	38	PRO	N-CA-C	5.13	123.05	112.47
1	5I	38	PRO	N-CA-C	5.13	123.05	112.47
1	5M	38	PRO	N-CA-C	5.13	123.05	112.47
1	52	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	56	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	6A	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	62	38	PRO	N-CA-C	5.13	123.05	112.47
1	66	38	PRO	N-CA-C	5.13	123.05	112.47
1	7A	38	PRO	N-CA-C	5.13	123.05	112.47
1	1E	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	1M	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	2I	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	2M	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	22	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	3A	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	3I	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	3M	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	32	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	36	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	4E	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	4I	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	4Q	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	4Y	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	5U	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	5Y	133	ASN	CA-CB-CG	-5.13	107.47	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6E	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	6M	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	6U	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	6Y	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	7E	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	7I	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	7Q	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	7U	133	ASN	CA-CB-CG	-5.13	107.47	112.60
1	1A	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	1I	54	ASN	CA-CB-CG	-5.13	107.47	112.60
2	1R	36	SER	CA-C-O	5.13	125.84	119.79
2	1V	36	SER	CA-C-O	5.13	125.84	119.79
2	1Z	36	SER	CA-C-O	5.13	125.84	119.79
1	2E	54	ASN	CA-CB-CG	-5.13	107.47	112.60
2	2R	36	SER	CA-C-O	5.13	125.84	119.79
2	2V	36	SER	CA-C-O	5.13	125.84	119.79
2	2Z	36	SER	CA-C-O	5.13	125.84	119.79
1	26	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	3E	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	4A	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	4M	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	4U	54	ASN	CA-CB-CG	-5.13	107.47	112.60
2	43	36	SER	CA-C-O	5.13	125.84	119.79
2	47	36	SER	CA-C-O	5.13	125.84	119.79
2	5B	36	SER	CA-C-O	5.13	125.84	119.79
1	5Q	54	ASN	CA-CB-CG	-5.13	107.47	112.60
2	53	36	SER	CA-C-O	5.13	125.84	119.79
2	57	36	SER	CA-C-O	5.13	125.84	119.79
2	6B	36	SER	CA-C-O	5.13	125.84	119.79
1	6I	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	6Q	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	7M	54	ASN	CA-CB-CG	-5.13	107.47	112.60
1	1M	51	LEU	O-C-N	5.13	128.75	122.75
2	1N	36	SER	CA-C-O	5.13	125.84	119.79
1	1Q	38	PRO	N-CA-C	5.13	123.04	112.47
1	1U	38	PRO	N-CA-C	5.13	123.04	112.47
1	1Y	38	PRO	N-CA-C	5.13	123.04	112.47
1	2I	51	LEU	O-C-N	5.13	128.75	122.75
2	2J	36	SER	CA-C-O	5.13	125.84	119.79
1	2Q	38	PRO	N-CA-C	5.13	123.04	112.47
1	2U	38	PRO	N-CA-C	5.13	123.04	112.47
1	2Y	38	PRO	N-CA-C	5.13	123.04	112.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3A	51	LEU	O-C-N	5.13	128.75	122.75
2	3B	36	SER	CA-C-O	5.13	125.84	119.79
1	3I	51	LEU	O-C-N	5.13	128.75	122.75
2	3J	36	SER	CA-C-O	5.13	125.84	119.79
1	32	51	LEU	O-C-N	5.13	128.75	122.75
2	33	36	SER	CA-C-O	5.13	125.84	119.79
1	4E	51	LEU	O-C-N	5.13	128.75	122.75
2	4F	36	SER	CA-C-O	5.13	125.84	119.79
1	4Y	51	LEU	O-C-N	5.13	128.75	122.75
2	4Z	36	SER	CA-C-O	5.13	125.84	119.79
1	42	38	PRO	N-CA-C	5.13	123.04	112.47
1	46	38	PRO	N-CA-C	5.13	123.04	112.47
1	5A	38	PRO	N-CA-C	5.13	123.04	112.47
1	5U	51	LEU	O-C-N	5.13	128.75	122.75
2	5V	36	SER	CA-C-O	5.13	125.84	119.79
1	52	38	PRO	N-CA-C	5.13	123.04	112.47
1	56	38	PRO	N-CA-C	5.13	123.04	112.47
1	6A	38	PRO	N-CA-C	5.13	123.04	112.47
1	6M	51	LEU	O-C-N	5.13	128.75	122.75
2	6N	36	SER	CA-C-O	5.13	125.84	119.79
1	6U	51	LEU	O-C-N	5.13	128.75	122.75
2	6V	36	SER	CA-C-O	5.13	125.84	119.79
1	7E	51	LEU	O-C-N	5.13	128.75	122.75
2	7F	36	SER	CA-C-O	5.13	125.84	119.79
1	7Q	51	LEU	O-C-N	5.13	128.75	122.75
2	7R	36	SER	CA-C-O	5.13	125.84	119.79
4	15	19[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	15	19[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	19	19[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	19	19[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	2D	19[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	2D	19[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	3T	19[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	3T	19[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	3X	19[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	3X	19[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	31	19[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	31	19[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	5H	19[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	5H	19[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	5L	19[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	5L	19[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	5P	19[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	5P	19[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	65	19[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	65	19[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	69	19[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	69	19[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	7D	19[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	7D	19[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
1	1E	38	PRO	N-CA-C	5.12	123.02	112.47
1	1E	130	ARG	N-CA-C	-5.12	101.05	109.40
4	1T	67[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	1T	67[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	1X	67[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	1X	67[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	11	67[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	11	67[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
1	2M	38	PRO	N-CA-C	5.12	123.02	112.47
1	2M	130	ARG	N-CA-C	-5.12	101.05	109.40
4	2T	67[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	2T	67[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	2X	67[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	2X	67[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	21	67[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	21	67[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
1	22	38	PRO	N-CA-C	5.12	123.02	112.47
1	22	130	ARG	N-CA-C	-5.12	101.05	109.40
1	3M	38	PRO	N-CA-C	5.12	123.02	112.47
1	3M	130	ARG	N-CA-C	-5.12	101.05	109.40
1	36	38	PRO	N-CA-C	5.12	123.02	112.47
1	36	130	ARG	N-CA-C	-5.12	101.05	109.40
1	4I	38	PRO	N-CA-C	5.12	123.02	112.47
1	4I	130	ARG	N-CA-C	-5.12	101.05	109.40
1	4Q	38	PRO	N-CA-C	5.12	123.02	112.47
1	4Q	130	ARG	N-CA-C	-5.12	101.05	109.40
4	45	67[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	45	67[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	49	67[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	49	67[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	5D	67[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	5D	67[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
1	5Y	38	PRO	N-CA-C	5.12	123.02	112.47
1	5Y	130	ARG	N-CA-C	-5.12	101.05	109.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	55	67[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	55	67[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	59	67[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	59	67[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	6D	67[1]	ARG	NE-CZ-NH2	5.12	123.81	119.20
4	6D	67[2]	ARG	NE-CZ-NH2	5.12	123.81	119.20
1	6E	38	PRO	N-CA-C	5.12	123.02	112.47
1	6E	130	ARG	N-CA-C	-5.12	101.05	109.40
1	6Y	38	PRO	N-CA-C	5.12	123.02	112.47
1	6Y	130	ARG	N-CA-C	-5.12	101.05	109.40
1	7I	38	PRO	N-CA-C	5.12	123.02	112.47
1	7I	130	ARG	N-CA-C	-5.12	101.05	109.40
1	7U	38	PRO	N-CA-C	5.12	123.02	112.47
1	7U	130	ARG	N-CA-C	-5.12	101.05	109.40
1	1A	38	PRO	N-CA-C	5.12	123.02	112.47
1	1I	38	PRO	N-CA-C	5.12	123.02	112.47
1	1M	38	PRO	N-CA-C	5.12	123.01	112.47
1	2E	38	PRO	N-CA-C	5.12	123.02	112.47
1	2I	38	PRO	N-CA-C	5.12	123.01	112.47
1	26	38	PRO	N-CA-C	5.12	123.02	112.47
1	3A	38	PRO	N-CA-C	5.12	123.01	112.47
1	3E	38	PRO	N-CA-C	5.12	123.02	112.47
1	3I	38	PRO	N-CA-C	5.12	123.01	112.47
1	32	38	PRO	N-CA-C	5.12	123.01	112.47
1	4A	38	PRO	N-CA-C	5.12	123.02	112.47
1	4E	38	PRO	N-CA-C	5.12	123.01	112.47
1	4M	38	PRO	N-CA-C	5.12	123.02	112.47
1	4U	38	PRO	N-CA-C	5.12	123.02	112.47
1	4Y	38	PRO	N-CA-C	5.12	123.01	112.47
1	5Q	38	PRO	N-CA-C	5.12	123.02	112.47
1	5U	38	PRO	N-CA-C	5.12	123.01	112.47
1	6I	38	PRO	N-CA-C	5.12	123.02	112.47
1	6M	38	PRO	N-CA-C	5.12	123.01	112.47
1	6Q	38	PRO	N-CA-C	5.12	123.02	112.47
1	6U	38	PRO	N-CA-C	5.12	123.01	112.47
1	7E	38	PRO	N-CA-C	5.12	123.01	112.47
1	7M	38	PRO	N-CA-C	5.12	123.02	112.47
1	7Q	38	PRO	N-CA-C	5.12	123.01	112.47
1	1A	130	ARG	N-CA-C	-5.12	101.06	109.40
1	1I	130	ARG	N-CA-C	-5.12	101.06	109.40
1	1Q	130	ARG	N-CA-C	-5.12	101.06	109.40
1	1U	130	ARG	N-CA-C	-5.12	101.06	109.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1Y	130	ARG	N-CA-C	-5.12	101.06	109.40
1	2E	130	ARG	N-CA-C	-5.12	101.06	109.40
1	2Q	130	ARG	N-CA-C	-5.12	101.06	109.40
1	2U	130	ARG	N-CA-C	-5.12	101.06	109.40
1	2Y	130	ARG	N-CA-C	-5.12	101.06	109.40
1	26	130	ARG	N-CA-C	-5.12	101.06	109.40
1	3E	130	ARG	N-CA-C	-5.12	101.06	109.40
1	4A	130	ARG	N-CA-C	-5.12	101.06	109.40
1	4M	130	ARG	N-CA-C	-5.12	101.06	109.40
1	4U	130	ARG	N-CA-C	-5.12	101.06	109.40
1	42	130	ARG	N-CA-C	-5.12	101.06	109.40
1	46	130	ARG	N-CA-C	-5.12	101.06	109.40
1	5A	130	ARG	N-CA-C	-5.12	101.06	109.40
1	5Q	130	ARG	N-CA-C	-5.12	101.06	109.40
1	52	130	ARG	N-CA-C	-5.12	101.06	109.40
1	56	130	ARG	N-CA-C	-5.12	101.06	109.40
1	6A	130	ARG	N-CA-C	-5.12	101.06	109.40
1	6I	130	ARG	N-CA-C	-5.12	101.06	109.40
1	6Q	130	ARG	N-CA-C	-5.12	101.06	109.40
1	7M	130	ARG	N-CA-C	-5.12	101.06	109.40
4	1H	19[1]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	1H	19[2]	ARG	NE-CZ-NH2	5.11	123.80	119.20
1	12	75	VAL	CB-CA-C	-5.11	102.51	110.69
1	12	130	ARG	N-CA-C	-5.11	101.06	109.40
1	16	75	VAL	CB-CA-C	-5.11	102.51	110.69
1	16	130	ARG	N-CA-C	-5.11	101.06	109.40
1	2A	75	VAL	CB-CA-C	-5.11	102.51	110.69
1	2A	130	ARG	N-CA-C	-5.11	101.06	109.40
4	2P	19[1]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	2P	19[2]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	25	19[1]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	25	19[2]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	3P	19[1]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	3P	19[2]	ARG	NE-CZ-NH2	5.11	123.80	119.20
1	3Q	75	VAL	CB-CA-C	-5.11	102.51	110.69
1	3Q	130	ARG	N-CA-C	-5.11	101.06	109.40
1	3U	75	VAL	CB-CA-C	-5.11	102.51	110.69
1	3U	130	ARG	N-CA-C	-5.11	101.06	109.40
1	3Y	75	VAL	CB-CA-C	-5.11	102.51	110.69
1	3Y	130	ARG	N-CA-C	-5.11	101.06	109.40
4	39	19[1]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	39	19[2]	ARG	NE-CZ-NH2	5.11	123.80	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	4L	19[1]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	4L	19[2]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	4T	19[1]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	4T	19[2]	ARG	NE-CZ-NH2	5.11	123.80	119.20
1	5E	75	VAL	CB-CA-C	-5.11	102.51	110.69
1	5E	130	ARG	N-CA-C	-5.11	101.06	109.40
1	5I	75	VAL	CB-CA-C	-5.11	102.51	110.69
1	5I	130	ARG	N-CA-C	-5.11	101.06	109.40
1	5M	75	VAL	CB-CA-C	-5.11	102.51	110.69
1	5M	130	ARG	N-CA-C	-5.11	101.06	109.40
4	51	19[1]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	51	19[2]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	6H	19[1]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	6H	19[2]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	61	19[1]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	61	19[2]	ARG	NE-CZ-NH2	5.11	123.80	119.20
1	62	75	VAL	CB-CA-C	-5.11	102.51	110.69
1	62	130	ARG	N-CA-C	-5.11	101.06	109.40
1	66	75	VAL	CB-CA-C	-5.11	102.51	110.69
1	66	130	ARG	N-CA-C	-5.11	101.06	109.40
1	7A	75	VAL	CB-CA-C	-5.11	102.51	110.69
1	7A	130	ARG	N-CA-C	-5.11	101.06	109.40
4	7L	19[1]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	7L	19[2]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	7X	19[1]	ARG	NE-CZ-NH2	5.11	123.80	119.20
4	7X	19[2]	ARG	NE-CZ-NH2	5.11	123.80	119.20
2	1N	34	ASP	CB-CA-C	5.11	119.68	111.05
2	2J	34	ASP	CB-CA-C	5.11	119.68	111.05
2	3B	34	ASP	CB-CA-C	5.11	119.68	111.05
2	3J	34	ASP	CB-CA-C	5.11	119.68	111.05
2	33	34	ASP	CB-CA-C	5.11	119.68	111.05
2	4F	34	ASP	CB-CA-C	5.11	119.68	111.05
2	4Z	34	ASP	CB-CA-C	5.11	119.68	111.05
2	5V	34	ASP	CB-CA-C	5.11	119.68	111.05
2	6N	34	ASP	CB-CA-C	5.11	119.68	111.05
2	6V	34	ASP	CB-CA-C	5.11	119.68	111.05
2	7F	34	ASP	CB-CA-C	5.11	119.68	111.05
2	7R	34	ASP	CB-CA-C	5.11	119.68	111.05
1	1E	75	VAL	CB-CA-C	-5.11	102.52	110.69
1	2M	75	VAL	CB-CA-C	-5.11	102.52	110.69
1	22	75	VAL	CB-CA-C	-5.11	102.52	110.69
1	3M	75	VAL	CB-CA-C	-5.11	102.52	110.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36	75	VAL	CB-CA-C	-5.11	102.52	110.69
1	4I	75	VAL	CB-CA-C	-5.11	102.52	110.69
1	4Q	75	VAL	CB-CA-C	-5.11	102.52	110.69
1	5Y	75	VAL	CB-CA-C	-5.11	102.52	110.69
1	6E	75	VAL	CB-CA-C	-5.11	102.52	110.69
1	6Y	75	VAL	CB-CA-C	-5.11	102.52	110.69
1	7I	75	VAL	CB-CA-C	-5.11	102.52	110.69
1	7U	75	VAL	CB-CA-C	-5.11	102.52	110.69
4	1D	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	1D	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	1L	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	1L	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
1	1Q	75	VAL	CB-CA-C	-5.10	102.53	110.69
1	1U	75	VAL	CB-CA-C	-5.10	102.53	110.69
1	1Y	75	VAL	CB-CA-C	-5.10	102.53	110.69
4	2H	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	2H	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
1	2Q	75	VAL	CB-CA-C	-5.10	102.53	110.69
1	2U	75	VAL	CB-CA-C	-5.10	102.53	110.69
1	2Y	75	VAL	CB-CA-C	-5.10	102.53	110.69
4	29	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	29	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	3H	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	3H	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	4D	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	4D	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	4P	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	4P	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	4X	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	4X	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
1	42	75	VAL	CB-CA-C	-5.10	102.53	110.69
1	46	75	VAL	CB-CA-C	-5.10	102.53	110.69
1	5A	75	VAL	CB-CA-C	-5.10	102.53	110.69
4	5T	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	5T	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
1	52	75	VAL	CB-CA-C	-5.10	102.53	110.69
1	56	75	VAL	CB-CA-C	-5.10	102.53	110.69
1	6A	75	VAL	CB-CA-C	-5.10	102.53	110.69
4	6L	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	6L	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	6T	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	6T	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	7P	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	7P	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
1	1M	130	ARG	N-CA-C	-5.10	101.09	109.40
4	1T	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	1T	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	1X	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	1X	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	11	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	11	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
2	13	10	GLN	CG-CD-OE1	-5.10	110.60	120.80
2	17	10	GLN	CG-CD-OE1	-5.10	110.60	120.80
2	2B	10	GLN	CG-CD-OE1	-5.10	110.60	120.80
1	2I	130	ARG	N-CA-C	-5.10	101.09	109.40
4	2T	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	2T	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	2X	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	2X	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	21	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	21	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
1	3A	130	ARG	N-CA-C	-5.10	101.09	109.40
1	3I	130	ARG	N-CA-C	-5.10	101.09	109.40
2	3R	10	GLN	CG-CD-OE1	-5.10	110.60	120.80
2	3V	10	GLN	CG-CD-OE1	-5.10	110.60	120.80
2	3Z	10	GLN	CG-CD-OE1	-5.10	110.60	120.80
1	32	130	ARG	N-CA-C	-5.10	101.09	109.40
1	4E	130	ARG	N-CA-C	-5.10	101.09	109.40
1	4Y	130	ARG	N-CA-C	-5.10	101.09	109.40
4	45	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	45	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	49	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	49	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	5D	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	5D	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
2	5F	10	GLN	CG-CD-OE1	-5.10	110.60	120.80
2	5J	10	GLN	CG-CD-OE1	-5.10	110.60	120.80
2	5N	10	GLN	CG-CD-OE1	-5.10	110.60	120.80
1	5U	130	ARG	N-CA-C	-5.10	101.09	109.40
4	55	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	55	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	59	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	59	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
4	6D	19[1]	ARG	NE-CZ-NH2	5.10	123.79	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	6D	19[2]	ARG	NE-CZ-NH2	5.10	123.79	119.20
1	6M	130	ARG	N-CA-C	-5.10	101.09	109.40
1	6U	130	ARG	N-CA-C	-5.10	101.09	109.40
2	63	10	GLN	CG-CD-OE1	-5.10	110.60	120.80
2	67	10	GLN	CG-CD-OE1	-5.10	110.60	120.80
2	7B	10	GLN	CG-CD-OE1	-5.10	110.60	120.80
1	7E	130	ARG	N-CA-C	-5.10	101.09	109.40
1	7Q	130	ARG	N-CA-C	-5.10	101.09	109.40
2	1B	36	SER	CA-C-O	5.09	125.80	119.79
2	1J	36	SER	CA-C-O	5.09	125.80	119.79
1	12	51	LEU	O-C-N	5.09	128.71	122.75
1	16	51	LEU	O-C-N	5.09	128.71	122.75
1	2A	51	LEU	O-C-N	5.09	128.71	122.75
2	2F	36	SER	CA-C-O	5.09	125.80	119.79
2	27	36	SER	CA-C-O	5.09	125.80	119.79
2	3F	36	SER	CA-C-O	5.09	125.80	119.79
1	3Q	51	LEU	O-C-N	5.09	128.71	122.75
1	3U	51	LEU	O-C-N	5.09	128.71	122.75
1	3Y	51	LEU	O-C-N	5.09	128.71	122.75
2	4B	36	SER	CA-C-O	5.09	125.80	119.79
2	4N	36	SER	CA-C-O	5.09	125.80	119.79
2	4V	36	SER	CA-C-O	5.09	125.80	119.79
1	5E	51	LEU	O-C-N	5.09	128.71	122.75
1	5I	51	LEU	O-C-N	5.09	128.71	122.75
1	5M	51	LEU	O-C-N	5.09	128.71	122.75
2	5R	36	SER	CA-C-O	5.09	125.80	119.79
2	6J	36	SER	CA-C-O	5.09	125.80	119.79
2	6R	36	SER	CA-C-O	5.09	125.80	119.79
1	62	51	LEU	O-C-N	5.09	128.71	122.75
1	66	51	LEU	O-C-N	5.09	128.71	122.75
1	7A	51	LEU	O-C-N	5.09	128.71	122.75
2	7N	36	SER	CA-C-O	5.09	125.80	119.79
1	1A	75	VAL	CB-CA-C	-5.09	102.54	110.69
1	1I	75	VAL	CB-CA-C	-5.09	102.54	110.69
1	1M	75	VAL	CB-CA-C	-5.09	102.54	110.69
2	1N	35	PHE	CZ-CE2-CD2	-5.09	110.83	120.00
2	13	36	SER	CA-C-O	5.09	125.80	119.79
2	17	36	SER	CA-C-O	5.09	125.80	119.79
2	2B	36	SER	CA-C-O	5.09	125.80	119.79
1	2E	75	VAL	CB-CA-C	-5.09	102.54	110.69
1	2I	75	VAL	CB-CA-C	-5.09	102.54	110.69
2	2J	35	PHE	CZ-CE2-CD2	-5.09	110.83	120.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	26	75	VAL	CB-CA-C	-5.09	102.54	110.69
1	3A	75	VAL	CB-CA-C	-5.09	102.54	110.69
2	3B	35	PHE	CZ-CE2-CD2	-5.09	110.83	120.00
1	3E	75	VAL	CB-CA-C	-5.09	102.54	110.69
1	3I	75	VAL	CB-CA-C	-5.09	102.54	110.69
2	3J	35	PHE	CZ-CE2-CD2	-5.09	110.83	120.00
2	3R	36	SER	CA-C-O	5.09	125.80	119.79
2	3V	36	SER	CA-C-O	5.09	125.80	119.79
2	3Z	36	SER	CA-C-O	5.09	125.80	119.79
1	32	75	VAL	CB-CA-C	-5.09	102.54	110.69
2	33	35	PHE	CZ-CE2-CD2	-5.09	110.83	120.00
1	4A	75	VAL	CB-CA-C	-5.09	102.54	110.69
1	4E	75	VAL	CB-CA-C	-5.09	102.54	110.69
2	4F	35	PHE	CZ-CE2-CD2	-5.09	110.83	120.00
1	4M	75	VAL	CB-CA-C	-5.09	102.54	110.69
1	4U	75	VAL	CB-CA-C	-5.09	102.54	110.69
1	4Y	75	VAL	CB-CA-C	-5.09	102.54	110.69
2	4Z	35	PHE	CZ-CE2-CD2	-5.09	110.83	120.00
2	5F	36	SER	CA-C-O	5.09	125.80	119.79
2	5J	36	SER	CA-C-O	5.09	125.80	119.79
2	5N	36	SER	CA-C-O	5.09	125.80	119.79
1	5Q	75	VAL	CB-CA-C	-5.09	102.54	110.69
1	5U	75	VAL	CB-CA-C	-5.09	102.54	110.69
2	5V	35	PHE	CZ-CE2-CD2	-5.09	110.83	120.00
1	6I	75	VAL	CB-CA-C	-5.09	102.54	110.69
1	6M	75	VAL	CB-CA-C	-5.09	102.54	110.69
2	6N	35	PHE	CZ-CE2-CD2	-5.09	110.83	120.00
1	6Q	75	VAL	CB-CA-C	-5.09	102.54	110.69
1	6U	75	VAL	CB-CA-C	-5.09	102.54	110.69
2	6V	35	PHE	CZ-CE2-CD2	-5.09	110.83	120.00
2	63	36	SER	CA-C-O	5.09	125.80	119.79
2	67	36	SER	CA-C-O	5.09	125.80	119.79
2	7B	36	SER	CA-C-O	5.09	125.80	119.79
1	7E	75	VAL	CB-CA-C	-5.09	102.54	110.69
2	7F	35	PHE	CZ-CE2-CD2	-5.09	110.83	120.00
1	7M	75	VAL	CB-CA-C	-5.09	102.54	110.69
1	7Q	75	VAL	CB-CA-C	-5.09	102.54	110.69
2	7R	35	PHE	CZ-CE2-CD2	-5.09	110.83	120.00
2	1F	36	SER	CA-C-O	5.09	125.80	119.79
2	1N	70	TRP	CA-CB-CG	5.09	123.27	113.60
2	1R	10	GLN	CG-CD-OE1	-5.09	110.62	120.80
2	1V	10	GLN	CG-CD-OE1	-5.09	110.62	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1Z	10	GLN	CG-CD-OE1	-5.09	110.62	120.80
4	15	67[1]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	15	67[2]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	19	67[1]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	19	67[2]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	2D	67[1]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	2D	67[2]	ARG	NE-CZ-NH2	5.09	123.78	119.20
2	2J	70	TRP	CA-CB-CG	5.09	123.27	113.60
2	2N	36	SER	CA-C-O	5.09	125.80	119.79
2	2R	10	GLN	CG-CD-OE1	-5.09	110.62	120.80
2	2V	10	GLN	CG-CD-OE1	-5.09	110.62	120.80
2	2Z	10	GLN	CG-CD-OE1	-5.09	110.62	120.80
2	23	36	SER	CA-C-O	5.09	125.80	119.79
2	3B	70	TRP	CA-CB-CG	5.09	123.27	113.60
2	3J	70	TRP	CA-CB-CG	5.09	123.27	113.60
2	3N	36	SER	CA-C-O	5.09	125.80	119.79
4	3T	67[1]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	3T	67[2]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	3X	67[1]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	3X	67[2]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	31	67[1]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	31	67[2]	ARG	NE-CZ-NH2	5.09	123.78	119.20
2	33	70	TRP	CA-CB-CG	5.09	123.27	113.60
2	37	36	SER	CA-C-O	5.09	125.80	119.79
2	4F	70	TRP	CA-CB-CG	5.09	123.27	113.60
2	4J	36	SER	CA-C-O	5.09	125.80	119.79
2	4R	36	SER	CA-C-O	5.09	125.80	119.79
2	4Z	70	TRP	CA-CB-CG	5.09	123.27	113.60
2	43	10	GLN	CG-CD-OE1	-5.09	110.62	120.80
2	47	10	GLN	CG-CD-OE1	-5.09	110.62	120.80
2	5B	10	GLN	CG-CD-OE1	-5.09	110.62	120.80
4	5H	67[1]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	5H	67[2]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	5L	67[1]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	5L	67[2]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	5P	67[1]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	5P	67[2]	ARG	NE-CZ-NH2	5.09	123.78	119.20
2	5V	70	TRP	CA-CB-CG	5.09	123.27	113.60
2	5Z	36	SER	CA-C-O	5.09	125.80	119.79
2	53	10	GLN	CG-CD-OE1	-5.09	110.62	120.80
2	57	10	GLN	CG-CD-OE1	-5.09	110.62	120.80
2	6B	10	GLN	CG-CD-OE1	-5.09	110.62	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6F	36	SER	CA-C-O	5.09	125.80	119.79
2	6N	70	TRP	CA-CB-CG	5.09	123.27	113.60
2	6V	70	TRP	CA-CB-CG	5.09	123.27	113.60
2	6Z	36	SER	CA-C-O	5.09	125.80	119.79
4	65	67[1]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	65	67[2]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	69	67[1]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	69	67[2]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	7D	67[1]	ARG	NE-CZ-NH2	5.09	123.78	119.20
4	7D	67[2]	ARG	NE-CZ-NH2	5.09	123.78	119.20
2	7F	70	TRP	CA-CB-CG	5.09	123.27	113.60
2	7J	36	SER	CA-C-O	5.09	125.80	119.79
2	7R	70	TRP	CA-CB-CG	5.09	123.27	113.60
2	7V	36	SER	CA-C-O	5.09	125.80	119.79
2	1R	223	ASP	CB-CG-OD2	-5.09	106.70	118.40
2	1V	223	ASP	CB-CG-OD2	-5.09	106.70	118.40
2	1Z	223	ASP	CB-CG-OD2	-5.09	106.70	118.40
2	13	35	PHE	CZ-CE2-CD2	-5.09	110.84	120.00
2	17	35	PHE	CZ-CE2-CD2	-5.09	110.84	120.00
2	2B	35	PHE	CZ-CE2-CD2	-5.09	110.84	120.00
2	2R	223	ASP	CB-CG-OD2	-5.09	106.70	118.40
2	2V	223	ASP	CB-CG-OD2	-5.09	106.70	118.40
2	2Z	223	ASP	CB-CG-OD2	-5.09	106.70	118.40
2	3R	35	PHE	CZ-CE2-CD2	-5.09	110.84	120.00
2	3V	35	PHE	CZ-CE2-CD2	-5.09	110.84	120.00
2	3Z	35	PHE	CZ-CE2-CD2	-5.09	110.84	120.00
2	43	223	ASP	CB-CG-OD2	-5.09	106.70	118.40
2	47	223	ASP	CB-CG-OD2	-5.09	106.70	118.40
2	5B	223	ASP	CB-CG-OD2	-5.09	106.70	118.40
2	5F	35	PHE	CZ-CE2-CD2	-5.09	110.84	120.00
2	5J	35	PHE	CZ-CE2-CD2	-5.09	110.84	120.00
2	5N	35	PHE	CZ-CE2-CD2	-5.09	110.84	120.00
2	53	223	ASP	CB-CG-OD2	-5.09	106.70	118.40
2	57	223	ASP	CB-CG-OD2	-5.09	106.70	118.40
2	6B	223	ASP	CB-CG-OD2	-5.09	106.70	118.40
2	63	35	PHE	CZ-CE2-CD2	-5.09	110.84	120.00
2	67	35	PHE	CZ-CE2-CD2	-5.09	110.84	120.00
2	7B	35	PHE	CZ-CE2-CD2	-5.09	110.84	120.00
4	1P	19[1]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	1P	19[2]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	2L	19[1]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	2L	19[2]	ARG	NE-CZ-NH2	5.08	123.78	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	3D	19[1]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	3D	19[2]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	3L	19[1]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	3L	19[2]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	35	19[1]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	35	19[2]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	4H	19[1]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	4H	19[2]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	41	19[1]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	41	19[2]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	5X	19[1]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	5X	19[2]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	6P	19[1]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	6P	19[2]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	6X	19[1]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	6X	19[2]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	7H	19[1]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	7H	19[2]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	7T	19[1]	ARG	NE-CZ-NH2	5.08	123.78	119.20
4	7T	19[2]	ARG	NE-CZ-NH2	5.08	123.78	119.20
1	1A	51	LEU	O-C-N	5.08	128.70	122.75
2	1F	167	VAL	CA-C-N	5.08	131.25	121.54
2	1F	167	VAL	C-N-CA	5.08	131.25	121.54
1	1I	51	LEU	O-C-N	5.08	128.70	122.75
2	13	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	17	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	2B	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
1	2E	51	LEU	O-C-N	5.08	128.70	122.75
2	2N	167	VAL	CA-C-N	5.08	131.25	121.54
2	2N	167	VAL	C-N-CA	5.08	131.25	121.54
2	23	167	VAL	CA-C-N	5.08	131.25	121.54
2	23	167	VAL	C-N-CA	5.08	131.25	121.54
1	26	51	LEU	O-C-N	5.08	128.70	122.75
1	3E	51	LEU	O-C-N	5.08	128.70	122.75
2	3N	167	VAL	CA-C-N	5.08	131.25	121.54
2	3N	167	VAL	C-N-CA	5.08	131.25	121.54
2	3R	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	3V	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	3Z	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	37	167	VAL	CA-C-N	5.08	131.25	121.54
2	37	167	VAL	C-N-CA	5.08	131.25	121.54
1	4A	51	LEU	O-C-N	5.08	128.70	122.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4J	167	VAL	CA-C-N	5.08	131.25	121.54
2	4J	167	VAL	C-N-CA	5.08	131.25	121.54
1	4M	51	LEU	O-C-N	5.08	128.70	122.75
2	4R	167	VAL	CA-C-N	5.08	131.25	121.54
2	4R	167	VAL	C-N-CA	5.08	131.25	121.54
1	4U	51	LEU	O-C-N	5.08	128.70	122.75
2	5F	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	5J	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	5N	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
1	5Q	51	LEU	O-C-N	5.08	128.70	122.75
2	5Z	167	VAL	CA-C-N	5.08	131.25	121.54
2	5Z	167	VAL	C-N-CA	5.08	131.25	121.54
2	6F	167	VAL	CA-C-N	5.08	131.25	121.54
2	6F	167	VAL	C-N-CA	5.08	131.25	121.54
1	6I	51	LEU	O-C-N	5.08	128.70	122.75
1	6Q	51	LEU	O-C-N	5.08	128.70	122.75
2	6Z	167	VAL	CA-C-N	5.08	131.25	121.54
2	6Z	167	VAL	C-N-CA	5.08	131.25	121.54
2	63	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	67	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	7B	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	7J	167	VAL	CA-C-N	5.08	131.25	121.54
2	7J	167	VAL	C-N-CA	5.08	131.25	121.54
1	7M	51	LEU	O-C-N	5.08	128.70	122.75
2	7V	167	VAL	CA-C-N	5.08	131.25	121.54
2	7V	167	VAL	C-N-CA	5.08	131.25	121.54
2	1B	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	1J	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	2F	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	27	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	3F	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	4B	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	4N	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	4V	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	5R	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	6J	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	6R	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	7N	223	ASP	CB-CG-OD2	-5.08	106.71	118.40
2	1B	10	GLN	CG-CD-OE1	-5.08	110.64	120.80
2	1F	223	ASP	CB-CG-OD2	-5.08	106.72	118.40
2	1J	10	GLN	CG-CD-OE1	-5.08	110.64	120.80
2	1N	116	ASN	CA-CB-CG	-5.08	107.52	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	1R	167	VAL	CA-C-N	5.08	131.24	121.54
2	1R	167	VAL	C-N-CA	5.08	131.24	121.54
2	1V	167	VAL	CA-C-N	5.08	131.24	121.54
2	1V	167	VAL	C-N-CA	5.08	131.24	121.54
2	1Z	167	VAL	CA-C-N	5.08	131.24	121.54
2	1Z	167	VAL	C-N-CA	5.08	131.24	121.54
2	2F	10	GLN	CG-CD-OE1	-5.08	110.64	120.80
2	2J	116	ASN	CA-CB-CG	-5.08	107.52	112.60
2	2N	223	ASP	CB-CG-OD2	-5.08	106.72	118.40
2	2R	167	VAL	CA-C-N	5.08	131.24	121.54
2	2R	167	VAL	C-N-CA	5.08	131.24	121.54
2	2V	167	VAL	CA-C-N	5.08	131.24	121.54
2	2V	167	VAL	C-N-CA	5.08	131.24	121.54
2	2Z	167	VAL	CA-C-N	5.08	131.24	121.54
2	2Z	167	VAL	C-N-CA	5.08	131.24	121.54
2	23	223	ASP	CB-CG-OD2	-5.08	106.72	118.40
2	27	10	GLN	CG-CD-OE1	-5.08	110.64	120.80
2	3B	116	ASN	CA-CB-CG	-5.08	107.52	112.60
2	3F	10	GLN	CG-CD-OE1	-5.08	110.64	120.80
2	3J	116	ASN	CA-CB-CG	-5.08	107.52	112.60
2	3N	223	ASP	CB-CG-OD2	-5.08	106.72	118.40
2	33	116	ASN	CA-CB-CG	-5.08	107.52	112.60
2	37	223	ASP	CB-CG-OD2	-5.08	106.72	118.40
2	4B	10	GLN	CG-CD-OE1	-5.08	110.64	120.80
2	4F	116	ASN	CA-CB-CG	-5.08	107.52	112.60
2	4J	223	ASP	CB-CG-OD2	-5.08	106.72	118.40
2	4N	10	GLN	CG-CD-OE1	-5.08	110.64	120.80
2	4R	223	ASP	CB-CG-OD2	-5.08	106.72	118.40
2	4V	10	GLN	CG-CD-OE1	-5.08	110.64	120.80
2	4Z	116	ASN	CA-CB-CG	-5.08	107.52	112.60
2	43	167	VAL	CA-C-N	5.08	131.24	121.54
2	43	167	VAL	C-N-CA	5.08	131.24	121.54
2	47	167	VAL	CA-C-N	5.08	131.24	121.54
2	47	167	VAL	C-N-CA	5.08	131.24	121.54
2	5B	167	VAL	CA-C-N	5.08	131.24	121.54
2	5B	167	VAL	C-N-CA	5.08	131.24	121.54
2	5R	10	GLN	CG-CD-OE1	-5.08	110.64	120.80
2	5V	116	ASN	CA-CB-CG	-5.08	107.52	112.60
2	5Z	223	ASP	CB-CG-OD2	-5.08	106.72	118.40
2	53	167	VAL	CA-C-N	5.08	131.24	121.54
2	53	167	VAL	C-N-CA	5.08	131.24	121.54
2	57	167	VAL	CA-C-N	5.08	131.24	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	167	VAL	C-N-CA	5.08	131.24	121.54
2	6B	167	VAL	CA-C-N	5.08	131.24	121.54
2	6B	167	VAL	C-N-CA	5.08	131.24	121.54
2	6F	223	ASP	CB-CG-OD2	-5.08	106.72	118.40
2	6J	10	GLN	CG-CD-OE1	-5.08	110.64	120.80
2	6N	116	ASN	CA-CB-CG	-5.08	107.52	112.60
2	6R	10	GLN	CG-CD-OE1	-5.08	110.64	120.80
2	6V	116	ASN	CA-CB-CG	-5.08	107.52	112.60
2	6Z	223	ASP	CB-CG-OD2	-5.08	106.72	118.40
2	7F	116	ASN	CA-CB-CG	-5.08	107.52	112.60
2	7J	223	ASP	CB-CG-OD2	-5.08	106.72	118.40
2	7N	10	GLN	CG-CD-OE1	-5.08	110.64	120.80
2	7R	116	ASN	CA-CB-CG	-5.08	107.52	112.60
2	7V	223	ASP	CB-CG-OD2	-5.08	106.72	118.40
2	1B	35	PHE	CZ-CE2-CD2	-5.08	110.86	120.00
2	1B	167	VAL	CA-C-N	5.08	131.24	121.54
2	1B	167	VAL	C-N-CA	5.08	131.24	121.54
2	1F	70	TRP	CA-CB-CG	5.08	123.25	113.60
2	1J	35	PHE	CZ-CE2-CD2	-5.08	110.86	120.00
2	1J	167	VAL	CA-C-N	5.08	131.24	121.54
2	1J	167	VAL	C-N-CA	5.08	131.24	121.54
2	1N	30	PRO	N-CD-CG	-5.08	95.59	103.20
2	13	167	VAL	CA-C-N	5.08	131.24	121.54
2	13	167	VAL	C-N-CA	5.08	131.24	121.54
2	17	167	VAL	CA-C-N	5.08	131.24	121.54
2	17	167	VAL	C-N-CA	5.08	131.24	121.54
2	2B	167	VAL	CA-C-N	5.08	131.24	121.54
2	2B	167	VAL	C-N-CA	5.08	131.24	121.54
2	2F	35	PHE	CZ-CE2-CD2	-5.08	110.86	120.00
2	2F	167	VAL	CA-C-N	5.08	131.24	121.54
2	2F	167	VAL	C-N-CA	5.08	131.24	121.54
2	2J	30	PRO	N-CD-CG	-5.08	95.59	103.20
2	2N	70	TRP	CA-CB-CG	5.08	123.25	113.60
2	23	70	TRP	CA-CB-CG	5.08	123.25	113.60
2	27	35	PHE	CZ-CE2-CD2	-5.08	110.86	120.00
2	27	167	VAL	CA-C-N	5.08	131.24	121.54
2	27	167	VAL	C-N-CA	5.08	131.24	121.54
2	3B	30	PRO	N-CD-CG	-5.08	95.59	103.20
2	3F	35	PHE	CZ-CE2-CD2	-5.08	110.86	120.00
2	3F	167	VAL	CA-C-N	5.08	131.24	121.54
2	3F	167	VAL	C-N-CA	5.08	131.24	121.54
2	3J	30	PRO	N-CD-CG	-5.08	95.59	103.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3N	70	TRP	CA-CB-CG	5.08	123.25	113.60
2	3R	167	VAL	CA-C-N	5.08	131.24	121.54
2	3R	167	VAL	C-N-CA	5.08	131.24	121.54
2	3V	167	VAL	CA-C-N	5.08	131.24	121.54
2	3V	167	VAL	C-N-CA	5.08	131.24	121.54
2	3Z	167	VAL	CA-C-N	5.08	131.24	121.54
2	3Z	167	VAL	C-N-CA	5.08	131.24	121.54
2	33	30	PRO	N-CD-CG	-5.08	95.59	103.20
2	37	70	TRP	CA-CB-CG	5.08	123.25	113.60
2	4B	35	PHE	CZ-CE2-CD2	-5.08	110.86	120.00
2	4B	167	VAL	CA-C-N	5.08	131.24	121.54
2	4B	167	VAL	C-N-CA	5.08	131.24	121.54
2	4F	30	PRO	N-CD-CG	-5.08	95.59	103.20
2	4J	70	TRP	CA-CB-CG	5.08	123.25	113.60
2	4N	35	PHE	CZ-CE2-CD2	-5.08	110.86	120.00
2	4N	167	VAL	CA-C-N	5.08	131.24	121.54
2	4N	167	VAL	C-N-CA	5.08	131.24	121.54
2	4R	70	TRP	CA-CB-CG	5.08	123.25	113.60
2	4V	35	PHE	CZ-CE2-CD2	-5.08	110.86	120.00
2	4V	167	VAL	CA-C-N	5.08	131.24	121.54
2	4V	167	VAL	C-N-CA	5.08	131.24	121.54
2	4Z	30	PRO	N-CD-CG	-5.08	95.59	103.20
2	5F	167	VAL	CA-C-N	5.08	131.24	121.54
2	5F	167	VAL	C-N-CA	5.08	131.24	121.54
2	5J	167	VAL	CA-C-N	5.08	131.24	121.54
2	5J	167	VAL	C-N-CA	5.08	131.24	121.54
2	5N	167	VAL	CA-C-N	5.08	131.24	121.54
2	5N	167	VAL	C-N-CA	5.08	131.24	121.54
2	5R	35	PHE	CZ-CE2-CD2	-5.08	110.86	120.00
2	5R	167	VAL	CA-C-N	5.08	131.24	121.54
2	5R	167	VAL	C-N-CA	5.08	131.24	121.54
2	5V	30	PRO	N-CD-CG	-5.08	95.59	103.20
2	5Z	70	TRP	CA-CB-CG	5.08	123.25	113.60
2	6F	70	TRP	CA-CB-CG	5.08	123.25	113.60
2	6J	35	PHE	CZ-CE2-CD2	-5.08	110.86	120.00
2	6J	167	VAL	CA-C-N	5.08	131.24	121.54
2	6J	167	VAL	C-N-CA	5.08	131.24	121.54
2	6N	30	PRO	N-CD-CG	-5.08	95.59	103.20
2	6R	35	PHE	CZ-CE2-CD2	-5.08	110.86	120.00
2	6R	167	VAL	CA-C-N	5.08	131.24	121.54
2	6R	167	VAL	C-N-CA	5.08	131.24	121.54
2	6V	30	PRO	N-CD-CG	-5.08	95.59	103.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6Z	70	TRP	CA-CB-CG	5.08	123.25	113.60
2	63	167	VAL	CA-C-N	5.08	131.24	121.54
2	63	167	VAL	C-N-CA	5.08	131.24	121.54
2	67	167	VAL	CA-C-N	5.08	131.24	121.54
2	67	167	VAL	C-N-CA	5.08	131.24	121.54
2	7B	167	VAL	CA-C-N	5.08	131.24	121.54
2	7B	167	VAL	C-N-CA	5.08	131.24	121.54
2	7F	30	PRO	N-CD-CG	-5.08	95.59	103.20
2	7J	70	TRP	CA-CB-CG	5.08	123.25	113.60
2	7N	35	PHE	CZ-CE2-CD2	-5.08	110.86	120.00
2	7N	167	VAL	CA-C-N	5.08	131.24	121.54
2	7N	167	VAL	C-N-CA	5.08	131.24	121.54
2	7R	30	PRO	N-CD-CG	-5.08	95.59	103.20
2	7V	70	TRP	CA-CB-CG	5.08	123.25	113.60
2	1B	70	TRP	CA-CB-CG	5.07	123.24	113.60
2	1F	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	1J	70	TRP	CA-CB-CG	5.07	123.24	113.60
2	13	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	17	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	2B	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	2F	70	TRP	CA-CB-CG	5.07	123.24	113.60
2	2N	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	23	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	27	70	TRP	CA-CB-CG	5.07	123.24	113.60
2	3F	70	TRP	CA-CB-CG	5.07	123.24	113.60
2	3N	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	3R	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	3V	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	3Z	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	37	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	4B	70	TRP	CA-CB-CG	5.07	123.24	113.60
2	4J	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	4N	70	TRP	CA-CB-CG	5.07	123.24	113.60
2	4R	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	4V	70	TRP	CA-CB-CG	5.07	123.24	113.60
2	5F	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	5J	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	5N	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	5R	70	TRP	CA-CB-CG	5.07	123.24	113.60
2	5Z	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	6F	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	6J	70	TRP	CA-CB-CG	5.07	123.24	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6R	70	TRP	CA-CB-CG	5.07	123.24	113.60
2	6Z	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	63	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	67	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	7B	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	7J	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	7N	70	TRP	CA-CB-CG	5.07	123.24	113.60
2	7V	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	1F	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	2N	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	23	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	3N	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	37	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	4J	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	4R	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	5Z	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	6F	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	6Z	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	7J	30	PRO	N-CD-CG	-5.07	95.59	103.20
2	7V	30	PRO	N-CD-CG	-5.07	95.59	103.20
1	1E	79	THR	CA-C-N	5.07	132.44	121.64
1	1E	79	THR	C-N-CA	5.07	132.44	121.64
2	1N	167	VAL	CA-C-N	5.07	131.23	121.54
2	1N	167	VAL	C-N-CA	5.07	131.23	121.54
2	1N	223	ASP	CB-CG-OD2	-5.07	106.74	118.40
2	1R	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	1V	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	1Z	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	2J	167	VAL	CA-C-N	5.07	131.23	121.54
2	2J	167	VAL	C-N-CA	5.07	131.23	121.54
2	2J	223	ASP	CB-CG-OD2	-5.07	106.74	118.40
1	2M	79	THR	CA-C-N	5.07	132.44	121.64
1	2M	79	THR	C-N-CA	5.07	132.44	121.64
2	2R	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	2V	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	2Z	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
1	22	79	THR	CA-C-N	5.07	132.44	121.64
1	22	79	THR	C-N-CA	5.07	132.44	121.64
2	3B	167	VAL	CA-C-N	5.07	131.23	121.54
2	3B	167	VAL	C-N-CA	5.07	131.23	121.54
2	3B	223	ASP	CB-CG-OD2	-5.07	106.74	118.40
2	3J	167	VAL	CA-C-N	5.07	131.23	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3J	167	VAL	C-N-CA	5.07	131.23	121.54
2	3J	223	ASP	CB-CG-OD2	-5.07	106.74	118.40
1	3M	79	THR	CA-C-N	5.07	132.44	121.64
1	3M	79	THR	C-N-CA	5.07	132.44	121.64
2	33	167	VAL	CA-C-N	5.07	131.23	121.54
2	33	167	VAL	C-N-CA	5.07	131.23	121.54
2	33	223	ASP	CB-CG-OD2	-5.07	106.74	118.40
1	36	79	THR	CA-C-N	5.07	132.44	121.64
1	36	79	THR	C-N-CA	5.07	132.44	121.64
2	4F	167	VAL	CA-C-N	5.07	131.23	121.54
2	4F	167	VAL	C-N-CA	5.07	131.23	121.54
2	4F	223	ASP	CB-CG-OD2	-5.07	106.74	118.40
1	4I	79	THR	CA-C-N	5.07	132.44	121.64
1	4I	79	THR	C-N-CA	5.07	132.44	121.64
1	4Q	79	THR	CA-C-N	5.07	132.44	121.64
1	4Q	79	THR	C-N-CA	5.07	132.44	121.64
2	4Z	167	VAL	CA-C-N	5.07	131.23	121.54
2	4Z	167	VAL	C-N-CA	5.07	131.23	121.54
2	4Z	223	ASP	CB-CG-OD2	-5.07	106.74	118.40
2	43	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	47	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	5B	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	5V	167	VAL	CA-C-N	5.07	131.23	121.54
2	5V	167	VAL	C-N-CA	5.07	131.23	121.54
2	5V	223	ASP	CB-CG-OD2	-5.07	106.74	118.40
1	5Y	79	THR	CA-C-N	5.07	132.44	121.64
1	5Y	79	THR	C-N-CA	5.07	132.44	121.64
2	53	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	57	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
2	6B	35	PHE	CZ-CE2-CD2	-5.07	110.87	120.00
1	6E	79	THR	CA-C-N	5.07	132.44	121.64
1	6E	79	THR	C-N-CA	5.07	132.44	121.64
2	6N	167	VAL	CA-C-N	5.07	131.23	121.54
2	6N	167	VAL	C-N-CA	5.07	131.23	121.54
2	6N	223	ASP	CB-CG-OD2	-5.07	106.74	118.40
2	6V	167	VAL	CA-C-N	5.07	131.23	121.54
2	6V	167	VAL	C-N-CA	5.07	131.23	121.54
2	6V	223	ASP	CB-CG-OD2	-5.07	106.74	118.40
1	6Y	79	THR	CA-C-N	5.07	132.44	121.64
1	6Y	79	THR	C-N-CA	5.07	132.44	121.64
2	7F	167	VAL	CA-C-N	5.07	131.23	121.54
2	7F	167	VAL	C-N-CA	5.07	131.23	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7F	223	ASP	CB-CG-OD2	-5.07	106.74	118.40
1	7I	79	THR	CA-C-N	5.07	132.44	121.64
1	7I	79	THR	C-N-CA	5.07	132.44	121.64
2	7R	167	VAL	CA-C-N	5.07	131.23	121.54
2	7R	167	VAL	C-N-CA	5.07	131.23	121.54
2	7R	223	ASP	CB-CG-OD2	-5.07	106.74	118.40
1	7U	79	THR	CA-C-N	5.07	132.44	121.64
1	7U	79	THR	C-N-CA	5.07	132.44	121.64
2	1R	30	PRO	N-CD-CG	-5.07	95.60	103.20
2	1V	30	PRO	N-CD-CG	-5.07	95.60	103.20
2	1Z	30	PRO	N-CD-CG	-5.07	95.60	103.20
2	2R	30	PRO	N-CD-CG	-5.07	95.60	103.20
2	2V	30	PRO	N-CD-CG	-5.07	95.60	103.20
2	2Z	30	PRO	N-CD-CG	-5.07	95.60	103.20
2	43	30	PRO	N-CD-CG	-5.07	95.60	103.20
2	47	30	PRO	N-CD-CG	-5.07	95.60	103.20
2	5B	30	PRO	N-CD-CG	-5.07	95.60	103.20
2	53	30	PRO	N-CD-CG	-5.07	95.60	103.20
2	57	30	PRO	N-CD-CG	-5.07	95.60	103.20
2	6B	30	PRO	N-CD-CG	-5.07	95.60	103.20
4	1D	67[1]	ARG	NE-CZ-NH2	5.07	123.76	119.20
4	1D	67[2]	ARG	NE-CZ-NH2	5.07	123.76	119.20
2	1F	10	GLN	CG-CD-OE1	-5.07	110.66	120.80
4	1L	67[1]	ARG	NE-CZ-NH2	5.07	123.76	119.20
4	1L	67[2]	ARG	NE-CZ-NH2	5.07	123.76	119.20
1	1M	79	THR	CA-C-N	5.07	132.44	121.64
1	1M	79	THR	C-N-CA	5.07	132.44	121.64
2	13	70	TRP	CA-CB-CG	5.07	123.23	113.60
2	17	70	TRP	CA-CB-CG	5.07	123.23	113.60
2	2B	70	TRP	CA-CB-CG	5.07	123.23	113.60
4	2H	67[1]	ARG	NE-CZ-NH2	5.07	123.76	119.20
4	2H	67[2]	ARG	NE-CZ-NH2	5.07	123.76	119.20
1	2I	79	THR	CA-C-N	5.07	132.44	121.64
1	2I	79	THR	C-N-CA	5.07	132.44	121.64
2	2N	10	GLN	CG-CD-OE1	-5.07	110.66	120.80
2	23	10	GLN	CG-CD-OE1	-5.07	110.66	120.80
4	29	67[1]	ARG	NE-CZ-NH2	5.07	123.76	119.20
4	29	67[2]	ARG	NE-CZ-NH2	5.07	123.76	119.20
1	3A	79	THR	CA-C-N	5.07	132.44	121.64
1	3A	79	THR	C-N-CA	5.07	132.44	121.64
4	3H	67[1]	ARG	NE-CZ-NH2	5.07	123.76	119.20
4	3H	67[2]	ARG	NE-CZ-NH2	5.07	123.76	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3I	79	THR	CA-C-N	5.07	132.44	121.64
1	3I	79	THR	C-N-CA	5.07	132.44	121.64
2	3N	10	GLN	CG-CD-OE1	-5.07	110.66	120.80
2	3R	70	TRP	CA-CB-CG	5.07	123.23	113.60
2	3V	70	TRP	CA-CB-CG	5.07	123.23	113.60
2	3Z	70	TRP	CA-CB-CG	5.07	123.23	113.60
1	32	79	THR	CA-C-N	5.07	132.44	121.64
1	32	79	THR	C-N-CA	5.07	132.44	121.64
2	37	10	GLN	CG-CD-OE1	-5.07	110.66	120.80
4	4D	67[1]	ARG	NE-CZ-NH2	5.07	123.76	119.20
4	4D	67[2]	ARG	NE-CZ-NH2	5.07	123.76	119.20
1	4E	79	THR	CA-C-N	5.07	132.44	121.64
1	4E	79	THR	C-N-CA	5.07	132.44	121.64
2	4J	10	GLN	CG-CD-OE1	-5.07	110.66	120.80
4	4P	67[1]	ARG	NE-CZ-NH2	5.07	123.76	119.20
4	4P	67[2]	ARG	NE-CZ-NH2	5.07	123.76	119.20
2	4R	10	GLN	CG-CD-OE1	-5.07	110.66	120.80
4	4X	67[1]	ARG	NE-CZ-NH2	5.07	123.76	119.20
4	4X	67[2]	ARG	NE-CZ-NH2	5.07	123.76	119.20
1	4Y	79	THR	CA-C-N	5.07	132.44	121.64
1	4Y	79	THR	C-N-CA	5.07	132.44	121.64
2	5F	70	TRP	CA-CB-CG	5.07	123.23	113.60
2	5J	70	TRP	CA-CB-CG	5.07	123.23	113.60
2	5N	70	TRP	CA-CB-CG	5.07	123.23	113.60
4	5T	67[1]	ARG	NE-CZ-NH2	5.07	123.76	119.20
4	5T	67[2]	ARG	NE-CZ-NH2	5.07	123.76	119.20
1	5U	79	THR	CA-C-N	5.07	132.44	121.64
1	5U	79	THR	C-N-CA	5.07	132.44	121.64
2	5Z	10	GLN	CG-CD-OE1	-5.07	110.66	120.80
2	6F	10	GLN	CG-CD-OE1	-5.07	110.66	120.80
4	6L	67[1]	ARG	NE-CZ-NH2	5.07	123.76	119.20
4	6L	67[2]	ARG	NE-CZ-NH2	5.07	123.76	119.20
1	6M	79	THR	CA-C-N	5.07	132.44	121.64
1	6M	79	THR	C-N-CA	5.07	132.44	121.64
4	6T	67[1]	ARG	NE-CZ-NH2	5.07	123.76	119.20
4	6T	67[2]	ARG	NE-CZ-NH2	5.07	123.76	119.20
1	6U	79	THR	CA-C-N	5.07	132.44	121.64
1	6U	79	THR	C-N-CA	5.07	132.44	121.64
2	6Z	10	GLN	CG-CD-OE1	-5.07	110.66	120.80
2	63	70	TRP	CA-CB-CG	5.07	123.23	113.60
2	67	70	TRP	CA-CB-CG	5.07	123.23	113.60
2	7B	70	TRP	CA-CB-CG	5.07	123.23	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7E	79	THR	CA-C-N	5.07	132.44	121.64
1	7E	79	THR	C-N-CA	5.07	132.44	121.64
2	7J	10	GLN	CG-CD-OE1	-5.07	110.66	120.80
4	7P	67[1]	ARG	NE-CZ-NH2	5.07	123.76	119.20
4	7P	67[2]	ARG	NE-CZ-NH2	5.07	123.76	119.20
1	7Q	79	THR	CA-C-N	5.07	132.44	121.64
1	7Q	79	THR	C-N-CA	5.07	132.44	121.64
2	7V	10	GLN	CG-CD-OE1	-5.07	110.66	120.80
2	1B	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	1J	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	1N	10	GLN	CG-CD-OE1	-5.06	110.67	120.80
2	2F	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	2J	10	GLN	CG-CD-OE1	-5.06	110.67	120.80
2	27	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	3B	10	GLN	CG-CD-OE1	-5.06	110.67	120.80
2	3F	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	3J	10	GLN	CG-CD-OE1	-5.06	110.67	120.80
2	33	10	GLN	CG-CD-OE1	-5.06	110.67	120.80
2	4B	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	4F	10	GLN	CG-CD-OE1	-5.06	110.67	120.80
2	4N	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	4V	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	4Z	10	GLN	CG-CD-OE1	-5.06	110.67	120.80
2	5R	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	5V	10	GLN	CG-CD-OE1	-5.06	110.67	120.80
2	6J	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	6N	10	GLN	CG-CD-OE1	-5.06	110.67	120.80
2	6R	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	6V	10	GLN	CG-CD-OE1	-5.06	110.67	120.80
2	7F	10	GLN	CG-CD-OE1	-5.06	110.67	120.80
2	7N	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	7R	10	GLN	CG-CD-OE1	-5.06	110.67	120.80
2	1B	30	PRO	N-CD-CG	-5.06	95.61	103.20
2	1J	30	PRO	N-CD-CG	-5.06	95.61	103.20
2	1R	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	1V	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	1Z	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	2F	30	PRO	N-CD-CG	-5.06	95.61	103.20
2	2R	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	2V	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	2Z	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	27	30	PRO	N-CD-CG	-5.06	95.61	103.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3F	30	PRO	N-CD-CG	-5.06	95.61	103.20
2	4B	30	PRO	N-CD-CG	-5.06	95.61	103.20
2	4N	30	PRO	N-CD-CG	-5.06	95.61	103.20
2	4V	30	PRO	N-CD-CG	-5.06	95.61	103.20
2	43	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	47	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	5B	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	5R	30	PRO	N-CD-CG	-5.06	95.61	103.20
2	53	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	57	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	6B	116	ASN	CA-CB-CG	-5.06	107.54	112.60
2	6J	30	PRO	N-CD-CG	-5.06	95.61	103.20
2	6R	30	PRO	N-CD-CG	-5.06	95.61	103.20
2	7N	30	PRO	N-CD-CG	-5.06	95.61	103.20
4	1H	67[1]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	1H	67[2]	ARG	NE-CZ-NH2	5.06	123.75	119.20
2	1R	70	TRP	CA-CB-CG	5.06	123.21	113.60
2	1V	70	TRP	CA-CB-CG	5.06	123.21	113.60
2	1Z	70	TRP	CA-CB-CG	5.06	123.21	113.60
4	2P	67[1]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	2P	67[2]	ARG	NE-CZ-NH2	5.06	123.75	119.20
2	2R	70	TRP	CA-CB-CG	5.06	123.21	113.60
2	2V	70	TRP	CA-CB-CG	5.06	123.21	113.60
2	2Z	70	TRP	CA-CB-CG	5.06	123.21	113.60
4	25	67[1]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	25	67[2]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	3P	67[1]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	3P	67[2]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	39	67[1]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	39	67[2]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	4L	67[1]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	4L	67[2]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	4T	67[1]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	4T	67[2]	ARG	NE-CZ-NH2	5.06	123.75	119.20
2	43	70	TRP	CA-CB-CG	5.06	123.21	113.60
2	47	70	TRP	CA-CB-CG	5.06	123.21	113.60
2	5B	70	TRP	CA-CB-CG	5.06	123.21	113.60
4	51	67[1]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	51	67[2]	ARG	NE-CZ-NH2	5.06	123.75	119.20
2	53	70	TRP	CA-CB-CG	5.06	123.21	113.60
2	57	70	TRP	CA-CB-CG	5.06	123.21	113.60
2	6B	70	TRP	CA-CB-CG	5.06	123.21	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	6H	67[1]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	6H	67[2]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	61	67[1]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	61	67[2]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	7L	67[1]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	7L	67[2]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	7X	67[1]	ARG	NE-CZ-NH2	5.06	123.75	119.20
4	7X	67[2]	ARG	NE-CZ-NH2	5.06	123.75	119.20
1	1Q	51	LEU	O-C-N	5.05	128.66	122.75
1	1U	51	LEU	O-C-N	5.05	128.66	122.75
1	1Y	51	LEU	O-C-N	5.05	128.66	122.75
1	2Q	51	LEU	O-C-N	5.05	128.66	122.75
1	2U	51	LEU	O-C-N	5.05	128.66	122.75
1	2Y	51	LEU	O-C-N	5.05	128.66	122.75
1	42	51	LEU	O-C-N	5.05	128.66	122.75
1	46	51	LEU	O-C-N	5.05	128.66	122.75
1	5A	51	LEU	O-C-N	5.05	128.66	122.75
1	52	51	LEU	O-C-N	5.05	128.66	122.75
1	56	51	LEU	O-C-N	5.05	128.66	122.75
1	6A	51	LEU	O-C-N	5.05	128.66	122.75
2	1F	76	ILE	CB-CA-C	5.05	118.45	111.38
2	2N	76	ILE	CB-CA-C	5.05	118.45	111.38
2	23	76	ILE	CB-CA-C	5.05	118.45	111.38
2	3N	76	ILE	CB-CA-C	5.05	118.45	111.38
2	37	76	ILE	CB-CA-C	5.05	118.45	111.38
2	4J	76	ILE	CB-CA-C	5.05	118.45	111.38
2	4R	76	ILE	CB-CA-C	5.05	118.45	111.38
2	5Z	76	ILE	CB-CA-C	5.05	118.45	111.38
2	6F	76	ILE	CB-CA-C	5.05	118.45	111.38
2	6Z	76	ILE	CB-CA-C	5.05	118.45	111.38
2	7J	76	ILE	CB-CA-C	5.05	118.45	111.38
2	7V	76	ILE	CB-CA-C	5.05	118.45	111.38
1	1A	79	THR	CA-C-N	5.05	132.39	121.64
1	1A	79	THR	C-N-CA	5.05	132.39	121.64
1	1I	79	THR	CA-C-N	5.05	132.39	121.64
1	1I	79	THR	C-N-CA	5.05	132.39	121.64
1	2E	79	THR	CA-C-N	5.05	132.39	121.64
1	2E	79	THR	C-N-CA	5.05	132.39	121.64
1	26	79	THR	CA-C-N	5.05	132.39	121.64
1	26	79	THR	C-N-CA	5.05	132.39	121.64
1	3E	79	THR	CA-C-N	5.05	132.39	121.64
1	3E	79	THR	C-N-CA	5.05	132.39	121.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4A	79	THR	CA-C-N	5.05	132.39	121.64
1	4A	79	THR	C-N-CA	5.05	132.39	121.64
1	4M	79	THR	CA-C-N	5.05	132.39	121.64
1	4M	79	THR	C-N-CA	5.05	132.39	121.64
1	4U	79	THR	CA-C-N	5.05	132.39	121.64
1	4U	79	THR	C-N-CA	5.05	132.39	121.64
1	5Q	79	THR	CA-C-N	5.05	132.39	121.64
1	5Q	79	THR	C-N-CA	5.05	132.39	121.64
1	6I	79	THR	CA-C-N	5.05	132.39	121.64
1	6I	79	THR	C-N-CA	5.05	132.39	121.64
1	6Q	79	THR	CA-C-N	5.05	132.39	121.64
1	6Q	79	THR	C-N-CA	5.05	132.39	121.64
1	7M	79	THR	CA-C-N	5.05	132.39	121.64
1	7M	79	THR	C-N-CA	5.05	132.39	121.64
1	1Q	79	THR	CA-C-N	5.04	132.38	121.64
1	1Q	79	THR	C-N-CA	5.04	132.38	121.64
4	1T	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	1T	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
1	1U	79	THR	CA-C-N	5.04	132.38	121.64
1	1U	79	THR	C-N-CA	5.04	132.38	121.64
4	1X	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	1X	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
1	1Y	79	THR	CA-C-N	5.04	132.38	121.64
1	1Y	79	THR	C-N-CA	5.04	132.38	121.64
4	11	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	11	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
2	13	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	17	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	2B	116	ASN	CA-CB-CG	-5.04	107.56	112.60
1	2Q	79	THR	CA-C-N	5.04	132.38	121.64
1	2Q	79	THR	C-N-CA	5.04	132.38	121.64
4	2T	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	2T	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
1	2U	79	THR	CA-C-N	5.04	132.38	121.64
1	2U	79	THR	C-N-CA	5.04	132.38	121.64
4	2X	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	2X	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
1	2Y	79	THR	CA-C-N	5.04	132.38	121.64
1	2Y	79	THR	C-N-CA	5.04	132.38	121.64
4	21	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	21	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
2	3R	116	ASN	CA-CB-CG	-5.04	107.56	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3V	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	3Z	116	ASN	CA-CB-CG	-5.04	107.56	112.60
1	42	79	THR	CA-C-N	5.04	132.38	121.64
1	42	79	THR	C-N-CA	5.04	132.38	121.64
4	45	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	45	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
1	46	79	THR	CA-C-N	5.04	132.38	121.64
1	46	79	THR	C-N-CA	5.04	132.38	121.64
4	49	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	49	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
1	5A	79	THR	CA-C-N	5.04	132.38	121.64
1	5A	79	THR	C-N-CA	5.04	132.38	121.64
4	5D	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	5D	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
2	5F	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	5J	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	5N	116	ASN	CA-CB-CG	-5.04	107.56	112.60
1	52	79	THR	CA-C-N	5.04	132.38	121.64
1	52	79	THR	C-N-CA	5.04	132.38	121.64
4	55	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	55	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
1	56	79	THR	CA-C-N	5.04	132.38	121.64
1	56	79	THR	C-N-CA	5.04	132.38	121.64
4	59	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	59	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
1	6A	79	THR	CA-C-N	5.04	132.38	121.64
1	6A	79	THR	C-N-CA	5.04	132.38	121.64
4	6D	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	6D	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
2	63	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	67	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	7B	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	1F	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	1N	76	ILE	CB-CA-C	5.04	118.44	111.38
2	13	82	PRO	N-CA-C	-5.04	106.84	113.65
2	17	82	PRO	N-CA-C	-5.04	106.84	113.65
2	2B	82	PRO	N-CA-C	-5.04	106.84	113.65
2	2J	76	ILE	CB-CA-C	5.04	118.44	111.38
2	2N	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	23	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	3B	76	ILE	CB-CA-C	5.04	118.44	111.38
2	3J	76	ILE	CB-CA-C	5.04	118.44	111.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3N	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	3R	82	PRO	N-CA-C	-5.04	106.84	113.65
2	3V	82	PRO	N-CA-C	-5.04	106.84	113.65
2	3Z	82	PRO	N-CA-C	-5.04	106.84	113.65
2	33	76	ILE	CB-CA-C	5.04	118.44	111.38
2	37	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	4F	76	ILE	CB-CA-C	5.04	118.44	111.38
2	4J	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	4R	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	4Z	76	ILE	CB-CA-C	5.04	118.44	111.38
2	5F	82	PRO	N-CA-C	-5.04	106.84	113.65
2	5J	82	PRO	N-CA-C	-5.04	106.84	113.65
2	5N	82	PRO	N-CA-C	-5.04	106.84	113.65
2	5V	76	ILE	CB-CA-C	5.04	118.44	111.38
2	5Z	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	6F	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	6N	76	ILE	CB-CA-C	5.04	118.44	111.38
2	6V	76	ILE	CB-CA-C	5.04	118.44	111.38
2	6Z	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	63	82	PRO	N-CA-C	-5.04	106.84	113.65
2	67	82	PRO	N-CA-C	-5.04	106.84	113.65
2	7B	82	PRO	N-CA-C	-5.04	106.84	113.65
2	7F	76	ILE	CB-CA-C	5.04	118.44	111.38
2	7J	116	ASN	CA-CB-CG	-5.04	107.56	112.60
2	7R	76	ILE	CB-CA-C	5.04	118.44	111.38
2	7V	116	ASN	CA-CB-CG	-5.04	107.56	112.60
4	15	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	15	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	19	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	19	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	2D	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	2D	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	3T	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	3T	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	3X	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	3X	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	31	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	31	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	5H	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	5H	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	5L	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	5L	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	5P	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	5P	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	65	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	65	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	69	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	69	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	7D	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	7D	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	1D	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	1D	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	1L	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	1L	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
1	12	79	THR	CA-C-N	5.04	132.37	121.64
1	12	79	THR	C-N-CA	5.04	132.37	121.64
1	16	79	THR	CA-C-N	5.04	132.37	121.64
1	16	79	THR	C-N-CA	5.04	132.37	121.64
1	2A	79	THR	CA-C-N	5.04	132.37	121.64
1	2A	79	THR	C-N-CA	5.04	132.37	121.64
4	2H	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	2H	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	29	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	29	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	3H	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	3H	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
1	3Q	79	THR	CA-C-N	5.04	132.37	121.64
1	3Q	79	THR	C-N-CA	5.04	132.37	121.64
1	3U	79	THR	CA-C-N	5.04	132.37	121.64
1	3U	79	THR	C-N-CA	5.04	132.37	121.64
1	3Y	79	THR	CA-C-N	5.04	132.37	121.64
1	3Y	79	THR	C-N-CA	5.04	132.37	121.64
4	4D	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	4D	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	4P	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	4P	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	4X	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	4X	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
1	5E	79	THR	CA-C-N	5.04	132.37	121.64
1	5E	79	THR	C-N-CA	5.04	132.37	121.64
1	5I	79	THR	CA-C-N	5.04	132.37	121.64
1	5I	79	THR	C-N-CA	5.04	132.37	121.64
1	5M	79	THR	CA-C-N	5.04	132.37	121.64
1	5M	79	THR	C-N-CA	5.04	132.37	121.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	5T	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	5T	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	6L	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	6L	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	6T	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	6T	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
1	62	79	THR	CA-C-N	5.04	132.37	121.64
1	62	79	THR	C-N-CA	5.04	132.37	121.64
1	66	79	THR	CA-C-N	5.04	132.37	121.64
1	66	79	THR	C-N-CA	5.04	132.37	121.64
1	7A	79	THR	CA-C-N	5.04	132.37	121.64
1	7A	79	THR	C-N-CA	5.04	132.37	121.64
4	7P	3[1]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
4	7P	3[2]	GLN	OE1-CD-NE2	-5.04	117.56	122.60
2	1F	82	PRO	N-CA-C	-5.03	106.85	113.65
2	1N	82	PRO	N-CA-C	-5.03	106.86	113.65
4	1P	67[1]	ARG	NE-CZ-NH2	5.03	123.73	119.20
4	1P	67[2]	ARG	NE-CZ-NH2	5.03	123.73	119.20
2	2J	82	PRO	N-CA-C	-5.03	106.86	113.65
4	2L	67[1]	ARG	NE-CZ-NH2	5.03	123.73	119.20
4	2L	67[2]	ARG	NE-CZ-NH2	5.03	123.73	119.20
2	2N	82	PRO	N-CA-C	-5.03	106.85	113.65
2	23	82	PRO	N-CA-C	-5.03	106.85	113.65
2	3B	82	PRO	N-CA-C	-5.03	106.86	113.65
4	3D	67[1]	ARG	NE-CZ-NH2	5.03	123.73	119.20
4	3D	67[2]	ARG	NE-CZ-NH2	5.03	123.73	119.20
2	3J	82	PRO	N-CA-C	-5.03	106.86	113.65
4	3L	67[1]	ARG	NE-CZ-NH2	5.03	123.73	119.20
4	3L	67[2]	ARG	NE-CZ-NH2	5.03	123.73	119.20
2	3N	82	PRO	N-CA-C	-5.03	106.85	113.65
2	33	82	PRO	N-CA-C	-5.03	106.86	113.65
4	35	67[1]	ARG	NE-CZ-NH2	5.03	123.73	119.20
4	35	67[2]	ARG	NE-CZ-NH2	5.03	123.73	119.20
2	37	82	PRO	N-CA-C	-5.03	106.85	113.65
2	4F	82	PRO	N-CA-C	-5.03	106.86	113.65
4	4H	67[1]	ARG	NE-CZ-NH2	5.03	123.73	119.20
4	4H	67[2]	ARG	NE-CZ-NH2	5.03	123.73	119.20
2	4J	82	PRO	N-CA-C	-5.03	106.85	113.65
2	4R	82	PRO	N-CA-C	-5.03	106.85	113.65
2	4Z	82	PRO	N-CA-C	-5.03	106.86	113.65
4	41	67[1]	ARG	NE-CZ-NH2	5.03	123.73	119.20
4	41	67[2]	ARG	NE-CZ-NH2	5.03	123.73	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5V	82	PRO	N-CA-C	-5.03	106.86	113.65
4	5X	67[1]	ARG	NE-CZ-NH2	5.03	123.73	119.20
4	5X	67[2]	ARG	NE-CZ-NH2	5.03	123.73	119.20
2	5Z	82	PRO	N-CA-C	-5.03	106.85	113.65
2	6F	82	PRO	N-CA-C	-5.03	106.85	113.65
2	6N	82	PRO	N-CA-C	-5.03	106.86	113.65
4	6P	67[1]	ARG	NE-CZ-NH2	5.03	123.73	119.20
4	6P	67[2]	ARG	NE-CZ-NH2	5.03	123.73	119.20
2	6V	82	PRO	N-CA-C	-5.03	106.86	113.65
4	6X	67[1]	ARG	NE-CZ-NH2	5.03	123.73	119.20
4	6X	67[2]	ARG	NE-CZ-NH2	5.03	123.73	119.20
2	6Z	82	PRO	N-CA-C	-5.03	106.85	113.65
2	7F	82	PRO	N-CA-C	-5.03	106.86	113.65
4	7H	67[1]	ARG	NE-CZ-NH2	5.03	123.73	119.20
4	7H	67[2]	ARG	NE-CZ-NH2	5.03	123.73	119.20
2	7J	82	PRO	N-CA-C	-5.03	106.85	113.65
2	7R	82	PRO	N-CA-C	-5.03	106.86	113.65
4	7T	67[1]	ARG	NE-CZ-NH2	5.03	123.73	119.20
4	7T	67[2]	ARG	NE-CZ-NH2	5.03	123.73	119.20
2	7V	82	PRO	N-CA-C	-5.03	106.85	113.65
2	1R	82	PRO	N-CA-C	-5.03	106.86	113.65
2	1V	82	PRO	N-CA-C	-5.03	106.86	113.65
2	1Z	82	PRO	N-CA-C	-5.03	106.86	113.65
2	13	1	ALA	N-CA-C	-5.03	96.92	111.00
2	17	1	ALA	N-CA-C	-5.03	96.92	111.00
2	2B	1	ALA	N-CA-C	-5.03	96.92	111.00
2	2R	82	PRO	N-CA-C	-5.03	106.86	113.65
2	2V	82	PRO	N-CA-C	-5.03	106.86	113.65
2	2Z	82	PRO	N-CA-C	-5.03	106.86	113.65
2	3R	1	ALA	N-CA-C	-5.03	96.92	111.00
2	3V	1	ALA	N-CA-C	-5.03	96.92	111.00
2	3Z	1	ALA	N-CA-C	-5.03	96.92	111.00
2	43	82	PRO	N-CA-C	-5.03	106.86	113.65
2	47	82	PRO	N-CA-C	-5.03	106.86	113.65
2	5B	82	PRO	N-CA-C	-5.03	106.86	113.65
2	5F	1	ALA	N-CA-C	-5.03	96.92	111.00
2	5J	1	ALA	N-CA-C	-5.03	96.92	111.00
2	5N	1	ALA	N-CA-C	-5.03	96.92	111.00
2	53	82	PRO	N-CA-C	-5.03	106.86	113.65
2	57	82	PRO	N-CA-C	-5.03	106.86	113.65
2	6B	82	PRO	N-CA-C	-5.03	106.86	113.65
2	63	1	ALA	N-CA-C	-5.03	96.92	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	67	1	ALA	N-CA-C	-5.03	96.92	111.00
2	7B	1	ALA	N-CA-C	-5.03	96.92	111.00
4	1P	3[1]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	1P	3[2]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	2L	3[1]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	2L	3[2]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	3D	3[1]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	3D	3[2]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	3L	3[1]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	3L	3[2]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	35	3[1]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	35	3[2]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	4H	3[1]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	4H	3[2]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	41	3[1]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	41	3[2]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	5X	3[1]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	5X	3[2]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	6P	3[1]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	6P	3[2]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	6X	3[1]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	6X	3[2]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	7H	3[1]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	7H	3[2]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	7T	3[1]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
4	7T	3[2]	GLN	OE1-CD-NE2	-5.03	117.57	122.60
2	1B	82	PRO	N-CA-C	-5.03	106.87	113.65
2	1J	82	PRO	N-CA-C	-5.03	106.87	113.65
2	2F	82	PRO	N-CA-C	-5.03	106.87	113.65
2	27	82	PRO	N-CA-C	-5.03	106.87	113.65
2	3F	82	PRO	N-CA-C	-5.03	106.87	113.65
2	4B	82	PRO	N-CA-C	-5.03	106.87	113.65
2	4N	82	PRO	N-CA-C	-5.03	106.87	113.65
2	4V	82	PRO	N-CA-C	-5.03	106.87	113.65
2	5R	82	PRO	N-CA-C	-5.03	106.87	113.65
2	6J	82	PRO	N-CA-C	-5.03	106.87	113.65
2	6R	82	PRO	N-CA-C	-5.03	106.87	113.65
2	7N	82	PRO	N-CA-C	-5.03	106.87	113.65
1	1A	89	PHE	CA-C-N	5.02	138.35	121.27
1	1A	89	PHE	C-N-CA	5.02	138.35	121.27
1	1I	89	PHE	CA-C-N	5.02	138.35	121.27
1	1I	89	PHE	C-N-CA	5.02	138.35	121.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2E	89	PHE	CA-C-N	5.02	138.35	121.27
1	2E	89	PHE	C-N-CA	5.02	138.35	121.27
1	26	89	PHE	CA-C-N	5.02	138.35	121.27
1	26	89	PHE	C-N-CA	5.02	138.35	121.27
1	3E	89	PHE	CA-C-N	5.02	138.35	121.27
1	3E	89	PHE	C-N-CA	5.02	138.35	121.27
1	4A	89	PHE	CA-C-N	5.02	138.35	121.27
1	4A	89	PHE	C-N-CA	5.02	138.35	121.27
1	4M	89	PHE	CA-C-N	5.02	138.35	121.27
1	4M	89	PHE	C-N-CA	5.02	138.35	121.27
1	4U	89	PHE	CA-C-N	5.02	138.35	121.27
1	4U	89	PHE	C-N-CA	5.02	138.35	121.27
1	5Q	89	PHE	CA-C-N	5.02	138.35	121.27
1	5Q	89	PHE	C-N-CA	5.02	138.35	121.27
1	6I	89	PHE	CA-C-N	5.02	138.35	121.27
1	6I	89	PHE	C-N-CA	5.02	138.35	121.27
1	6Q	89	PHE	CA-C-N	5.02	138.35	121.27
1	6Q	89	PHE	C-N-CA	5.02	138.35	121.27
1	7M	89	PHE	CA-C-N	5.02	138.35	121.27
1	7M	89	PHE	C-N-CA	5.02	138.35	121.27
2	1F	1	ALA	N-CA-C	-5.02	96.94	111.00
2	1N	1	ALA	N-CA-C	-5.02	96.94	111.00
2	1R	71	ALA	N-CA-CB	-5.02	103.13	111.57
2	1V	71	ALA	N-CA-CB	-5.02	103.13	111.57
2	1Z	71	ALA	N-CA-CB	-5.02	103.13	111.57
2	2J	1	ALA	N-CA-C	-5.02	96.94	111.00
2	2N	1	ALA	N-CA-C	-5.02	96.94	111.00
2	2R	71	ALA	N-CA-CB	-5.02	103.13	111.57
2	2V	71	ALA	N-CA-CB	-5.02	103.13	111.57
2	2Z	71	ALA	N-CA-CB	-5.02	103.13	111.57
2	23	1	ALA	N-CA-C	-5.02	96.94	111.00
2	3B	1	ALA	N-CA-C	-5.02	96.94	111.00
2	3J	1	ALA	N-CA-C	-5.02	96.94	111.00
2	3N	1	ALA	N-CA-C	-5.02	96.94	111.00
2	33	1	ALA	N-CA-C	-5.02	96.94	111.00
2	37	1	ALA	N-CA-C	-5.02	96.94	111.00
2	4F	1	ALA	N-CA-C	-5.02	96.94	111.00
2	4J	1	ALA	N-CA-C	-5.02	96.94	111.00
2	4R	1	ALA	N-CA-C	-5.02	96.94	111.00
2	4Z	1	ALA	N-CA-C	-5.02	96.94	111.00
2	43	71	ALA	N-CA-CB	-5.02	103.13	111.57
2	47	71	ALA	N-CA-CB	-5.02	103.13	111.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	5B	71	ALA	N-CA-CB	-5.02	103.13	111.57
2	5V	1	ALA	N-CA-C	-5.02	96.94	111.00
2	5Z	1	ALA	N-CA-C	-5.02	96.94	111.00
2	53	71	ALA	N-CA-CB	-5.02	103.13	111.57
2	57	71	ALA	N-CA-CB	-5.02	103.13	111.57
2	6B	71	ALA	N-CA-CB	-5.02	103.13	111.57
2	6F	1	ALA	N-CA-C	-5.02	96.94	111.00
2	6N	1	ALA	N-CA-C	-5.02	96.94	111.00
2	6V	1	ALA	N-CA-C	-5.02	96.94	111.00
2	6Z	1	ALA	N-CA-C	-5.02	96.94	111.00
2	7F	1	ALA	N-CA-C	-5.02	96.94	111.00
2	7J	1	ALA	N-CA-C	-5.02	96.94	111.00
2	7R	1	ALA	N-CA-C	-5.02	96.94	111.00
2	7V	1	ALA	N-CA-C	-5.02	96.94	111.00
2	1B	1	ALA	N-CA-C	-5.02	96.94	111.00
2	1J	1	ALA	N-CA-C	-5.02	96.94	111.00
1	1Q	89	PHE	CA-C-N	5.02	138.34	121.27
1	1Q	89	PHE	C-N-CA	5.02	138.34	121.27
1	1U	89	PHE	CA-C-N	5.02	138.34	121.27
1	1U	89	PHE	C-N-CA	5.02	138.34	121.27
1	1Y	89	PHE	CA-C-N	5.02	138.34	121.27
1	1Y	89	PHE	C-N-CA	5.02	138.34	121.27
2	2F	1	ALA	N-CA-C	-5.02	96.94	111.00
1	2Q	89	PHE	CA-C-N	5.02	138.34	121.27
1	2Q	89	PHE	C-N-CA	5.02	138.34	121.27
1	2U	89	PHE	CA-C-N	5.02	138.34	121.27
1	2U	89	PHE	C-N-CA	5.02	138.34	121.27
1	2Y	89	PHE	CA-C-N	5.02	138.34	121.27
1	2Y	89	PHE	C-N-CA	5.02	138.34	121.27
2	27	1	ALA	N-CA-C	-5.02	96.94	111.00
2	3F	1	ALA	N-CA-C	-5.02	96.94	111.00
2	4B	1	ALA	N-CA-C	-5.02	96.94	111.00
2	4N	1	ALA	N-CA-C	-5.02	96.94	111.00
2	4V	1	ALA	N-CA-C	-5.02	96.94	111.00
1	42	89	PHE	CA-C-N	5.02	138.34	121.27
1	42	89	PHE	C-N-CA	5.02	138.34	121.27
1	46	89	PHE	CA-C-N	5.02	138.34	121.27
1	46	89	PHE	C-N-CA	5.02	138.34	121.27
1	5A	89	PHE	CA-C-N	5.02	138.34	121.27
1	5A	89	PHE	C-N-CA	5.02	138.34	121.27
2	5R	1	ALA	N-CA-C	-5.02	96.94	111.00
1	52	89	PHE	CA-C-N	5.02	138.34	121.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	52	89	PHE	C-N-CA	5.02	138.34	121.27
1	56	89	PHE	CA-C-N	5.02	138.34	121.27
1	56	89	PHE	C-N-CA	5.02	138.34	121.27
1	6A	89	PHE	CA-C-N	5.02	138.34	121.27
1	6A	89	PHE	C-N-CA	5.02	138.34	121.27
2	6J	1	ALA	N-CA-C	-5.02	96.94	111.00
2	6R	1	ALA	N-CA-C	-5.02	96.94	111.00
2	7N	1	ALA	N-CA-C	-5.02	96.94	111.00
1	1E	154	SER	CB-CA-C	5.02	115.48	109.31
4	1H	3[1]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
4	1H	3[2]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
2	1R	1	ALA	N-CA-C	-5.02	96.95	111.00
2	1V	1	ALA	N-CA-C	-5.02	96.95	111.00
2	1Z	1	ALA	N-CA-C	-5.02	96.95	111.00
1	2M	154	SER	CB-CA-C	5.02	115.48	109.31
4	2P	3[1]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
4	2P	3[2]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
2	2R	1	ALA	N-CA-C	-5.02	96.95	111.00
2	2V	1	ALA	N-CA-C	-5.02	96.95	111.00
2	2Z	1	ALA	N-CA-C	-5.02	96.95	111.00
1	22	154	SER	CB-CA-C	5.02	115.48	109.31
4	25	3[1]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
4	25	3[2]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
1	3M	154	SER	CB-CA-C	5.02	115.48	109.31
4	3P	3[1]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
4	3P	3[2]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
1	36	154	SER	CB-CA-C	5.02	115.48	109.31
4	39	3[1]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
4	39	3[2]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
1	4I	154	SER	CB-CA-C	5.02	115.48	109.31
4	4L	3[1]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
4	4L	3[2]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
1	4Q	154	SER	CB-CA-C	5.02	115.48	109.31
4	4T	3[1]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
4	4T	3[2]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
2	43	1	ALA	N-CA-C	-5.02	96.95	111.00
2	47	1	ALA	N-CA-C	-5.02	96.95	111.00
2	5B	1	ALA	N-CA-C	-5.02	96.95	111.00
1	5Y	154	SER	CB-CA-C	5.02	115.48	109.31
4	51	3[1]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
4	51	3[2]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
2	53	1	ALA	N-CA-C	-5.02	96.95	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	57	1	ALA	N-CA-C	-5.02	96.95	111.00
2	6B	1	ALA	N-CA-C	-5.02	96.95	111.00
1	6E	154	SER	CB-CA-C	5.02	115.48	109.31
4	6H	3[1]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
4	6H	3[2]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
1	6Y	154	SER	CB-CA-C	5.02	115.48	109.31
4	61	3[1]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
4	61	3[2]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
1	7I	154	SER	CB-CA-C	5.02	115.48	109.31
4	7L	3[1]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
4	7L	3[2]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
1	7U	154	SER	CB-CA-C	5.02	115.48	109.31
4	7X	3[1]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
4	7X	3[2]	GLN	OE1-CD-NE2	-5.02	117.58	122.60
2	1B	76	ILE	CB-CA-C	5.02	118.40	111.38
1	1E	89	PHE	CA-C-N	5.02	138.33	121.27
1	1E	89	PHE	C-N-CA	5.02	138.33	121.27
2	1J	76	ILE	CB-CA-C	5.02	118.40	111.38
1	1M	89	PHE	CA-C-N	5.02	138.33	121.27
1	1M	89	PHE	C-N-CA	5.02	138.33	121.27
2	2F	76	ILE	CB-CA-C	5.02	118.40	111.38
1	2I	89	PHE	CA-C-N	5.02	138.33	121.27
1	2I	89	PHE	C-N-CA	5.02	138.33	121.27
1	2M	89	PHE	CA-C-N	5.02	138.33	121.27
1	2M	89	PHE	C-N-CA	5.02	138.33	121.27
1	22	89	PHE	CA-C-N	5.02	138.33	121.27
1	22	89	PHE	C-N-CA	5.02	138.33	121.27
2	27	76	ILE	CB-CA-C	5.02	118.40	111.38
1	3A	89	PHE	CA-C-N	5.02	138.33	121.27
1	3A	89	PHE	C-N-CA	5.02	138.33	121.27
2	3F	76	ILE	CB-CA-C	5.02	118.40	111.38
1	3I	89	PHE	CA-C-N	5.02	138.33	121.27
1	3I	89	PHE	C-N-CA	5.02	138.33	121.27
1	3M	89	PHE	CA-C-N	5.02	138.33	121.27
1	3M	89	PHE	C-N-CA	5.02	138.33	121.27
1	32	89	PHE	CA-C-N	5.02	138.33	121.27
1	32	89	PHE	C-N-CA	5.02	138.33	121.27
1	36	89	PHE	CA-C-N	5.02	138.33	121.27
1	36	89	PHE	C-N-CA	5.02	138.33	121.27
2	4B	76	ILE	CB-CA-C	5.02	118.40	111.38
1	4E	89	PHE	CA-C-N	5.02	138.33	121.27
1	4E	89	PHE	C-N-CA	5.02	138.33	121.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4I	89	PHE	CA-C-N	5.02	138.33	121.27
1	4I	89	PHE	C-N-CA	5.02	138.33	121.27
2	4N	76	ILE	CB-CA-C	5.02	118.40	111.38
1	4Q	89	PHE	CA-C-N	5.02	138.33	121.27
1	4Q	89	PHE	C-N-CA	5.02	138.33	121.27
2	4V	76	ILE	CB-CA-C	5.02	118.40	111.38
1	4Y	89	PHE	CA-C-N	5.02	138.33	121.27
1	4Y	89	PHE	C-N-CA	5.02	138.33	121.27
2	5R	76	ILE	CB-CA-C	5.02	118.40	111.38
1	5U	89	PHE	CA-C-N	5.02	138.33	121.27
1	5U	89	PHE	C-N-CA	5.02	138.33	121.27
1	5Y	89	PHE	CA-C-N	5.02	138.33	121.27
1	5Y	89	PHE	C-N-CA	5.02	138.33	121.27
1	6E	89	PHE	CA-C-N	5.02	138.33	121.27
1	6E	89	PHE	C-N-CA	5.02	138.33	121.27
2	6J	76	ILE	CB-CA-C	5.02	118.40	111.38
1	6M	89	PHE	CA-C-N	5.02	138.33	121.27
1	6M	89	PHE	C-N-CA	5.02	138.33	121.27
2	6R	76	ILE	CB-CA-C	5.02	118.40	111.38
1	6U	89	PHE	CA-C-N	5.02	138.33	121.27
1	6U	89	PHE	C-N-CA	5.02	138.33	121.27
1	6Y	89	PHE	CA-C-N	5.02	138.33	121.27
1	6Y	89	PHE	C-N-CA	5.02	138.33	121.27
1	7E	89	PHE	CA-C-N	5.02	138.33	121.27
1	7E	89	PHE	C-N-CA	5.02	138.33	121.27
1	7I	89	PHE	CA-C-N	5.02	138.33	121.27
1	7I	89	PHE	C-N-CA	5.02	138.33	121.27
2	7N	76	ILE	CB-CA-C	5.02	118.40	111.38
1	7Q	89	PHE	CA-C-N	5.02	138.33	121.27
1	7Q	89	PHE	C-N-CA	5.02	138.33	121.27
1	7U	89	PHE	CA-C-N	5.02	138.33	121.27
1	7U	89	PHE	C-N-CA	5.02	138.33	121.27
1	12	89	PHE	CA-C-N	5.02	138.32	121.27
1	12	89	PHE	C-N-CA	5.02	138.32	121.27
2	13	76	ILE	CB-CA-C	5.02	118.40	111.38
1	16	89	PHE	CA-C-N	5.02	138.32	121.27
1	16	89	PHE	C-N-CA	5.02	138.32	121.27
2	17	76	ILE	CB-CA-C	5.02	118.40	111.38
1	2A	89	PHE	CA-C-N	5.02	138.32	121.27
1	2A	89	PHE	C-N-CA	5.02	138.32	121.27
2	2B	76	ILE	CB-CA-C	5.02	118.40	111.38
1	3Q	89	PHE	CA-C-N	5.02	138.32	121.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3Q	89	PHE	C-N-CA	5.02	138.32	121.27
2	3R	76	ILE	CB-CA-C	5.02	118.40	111.38
1	3U	89	PHE	CA-C-N	5.02	138.32	121.27
1	3U	89	PHE	C-N-CA	5.02	138.32	121.27
2	3V	76	ILE	CB-CA-C	5.02	118.40	111.38
1	3Y	89	PHE	CA-C-N	5.02	138.32	121.27
1	3Y	89	PHE	C-N-CA	5.02	138.32	121.27
2	3Z	76	ILE	CB-CA-C	5.02	118.40	111.38
1	5E	89	PHE	CA-C-N	5.02	138.32	121.27
1	5E	89	PHE	C-N-CA	5.02	138.32	121.27
2	5F	76	ILE	CB-CA-C	5.02	118.40	111.38
1	5I	89	PHE	CA-C-N	5.02	138.32	121.27
1	5I	89	PHE	C-N-CA	5.02	138.32	121.27
2	5J	76	ILE	CB-CA-C	5.02	118.40	111.38
1	5M	89	PHE	CA-C-N	5.02	138.32	121.27
1	5M	89	PHE	C-N-CA	5.02	138.32	121.27
2	5N	76	ILE	CB-CA-C	5.02	118.40	111.38
1	62	89	PHE	CA-C-N	5.02	138.32	121.27
1	62	89	PHE	C-N-CA	5.02	138.32	121.27
2	63	76	ILE	CB-CA-C	5.02	118.40	111.38
1	66	89	PHE	CA-C-N	5.02	138.32	121.27
1	66	89	PHE	C-N-CA	5.02	138.32	121.27
2	67	76	ILE	CB-CA-C	5.02	118.40	111.38
1	7A	89	PHE	CA-C-N	5.02	138.32	121.27
1	7A	89	PHE	C-N-CA	5.02	138.32	121.27
2	7B	76	ILE	CB-CA-C	5.02	118.40	111.38
2	1B	71	ALA	N-CA-CB	-5.01	103.14	111.57
2	1J	71	ALA	N-CA-CB	-5.01	103.14	111.57
2	2F	71	ALA	N-CA-CB	-5.01	103.14	111.57
2	27	71	ALA	N-CA-CB	-5.01	103.14	111.57
2	3F	71	ALA	N-CA-CB	-5.01	103.14	111.57
2	4B	71	ALA	N-CA-CB	-5.01	103.14	111.57
2	4N	71	ALA	N-CA-CB	-5.01	103.14	111.57
2	4V	71	ALA	N-CA-CB	-5.01	103.14	111.57
2	5R	71	ALA	N-CA-CB	-5.01	103.14	111.57
2	6J	71	ALA	N-CA-CB	-5.01	103.14	111.57
2	6R	71	ALA	N-CA-CB	-5.01	103.14	111.57
2	7N	71	ALA	N-CA-CB	-5.01	103.14	111.57
2	1N	71	ALA	N-CA-CB	-5.01	103.15	111.57
2	2J	71	ALA	N-CA-CB	-5.01	103.15	111.57
2	3B	71	ALA	N-CA-CB	-5.01	103.15	111.57
2	3J	71	ALA	N-CA-CB	-5.01	103.15	111.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33	71	ALA	N-CA-CB	-5.01	103.15	111.57
2	4F	71	ALA	N-CA-CB	-5.01	103.15	111.57
2	4Z	71	ALA	N-CA-CB	-5.01	103.15	111.57
2	5V	71	ALA	N-CA-CB	-5.01	103.15	111.57
2	6N	71	ALA	N-CA-CB	-5.01	103.15	111.57
2	6V	71	ALA	N-CA-CB	-5.01	103.15	111.57
2	7F	71	ALA	N-CA-CB	-5.01	103.15	111.57
2	7R	71	ALA	N-CA-CB	-5.01	103.15	111.57
2	1N	105	CYS	N-CA-C	5.01	117.06	108.90
1	12	150	TYR	CB-CG-CD1	-5.01	113.29	120.80
1	16	150	TYR	CB-CG-CD1	-5.01	113.29	120.80
1	2A	150	TYR	CB-CG-CD1	-5.01	113.29	120.80
2	2J	105	CYS	N-CA-C	5.01	117.06	108.90
2	3B	105	CYS	N-CA-C	5.01	117.06	108.90
2	3J	105	CYS	N-CA-C	5.01	117.06	108.90
1	3Q	150	TYR	CB-CG-CD1	-5.01	113.29	120.80
1	3U	150	TYR	CB-CG-CD1	-5.01	113.29	120.80
1	3Y	150	TYR	CB-CG-CD1	-5.01	113.29	120.80
2	33	105	CYS	N-CA-C	5.01	117.06	108.90
2	4F	105	CYS	N-CA-C	5.01	117.06	108.90
2	4Z	105	CYS	N-CA-C	5.01	117.06	108.90
1	5E	150	TYR	CB-CG-CD1	-5.01	113.29	120.80
1	5I	150	TYR	CB-CG-CD1	-5.01	113.29	120.80
1	5M	150	TYR	CB-CG-CD1	-5.01	113.29	120.80
2	5V	105	CYS	N-CA-C	5.01	117.06	108.90
2	6N	105	CYS	N-CA-C	5.01	117.06	108.90
2	6V	105	CYS	N-CA-C	5.01	117.06	108.90
1	62	150	TYR	CB-CG-CD1	-5.01	113.29	120.80
1	66	150	TYR	CB-CG-CD1	-5.01	113.29	120.80
1	7A	150	TYR	CB-CG-CD1	-5.01	113.29	120.80
2	7F	105	CYS	N-CA-C	5.01	117.06	108.90
2	7R	105	CYS	N-CA-C	5.01	117.06	108.90
2	1F	71	ALA	N-CA-CB	-5.01	103.16	111.57
2	2N	71	ALA	N-CA-CB	-5.01	103.16	111.57
2	23	71	ALA	N-CA-CB	-5.01	103.16	111.57
2	3N	71	ALA	N-CA-CB	-5.01	103.16	111.57
2	37	71	ALA	N-CA-CB	-5.01	103.16	111.57
2	4J	71	ALA	N-CA-CB	-5.01	103.16	111.57
2	4R	71	ALA	N-CA-CB	-5.01	103.16	111.57
2	5Z	71	ALA	N-CA-CB	-5.01	103.16	111.57
2	6F	71	ALA	N-CA-CB	-5.01	103.16	111.57
2	6Z	71	ALA	N-CA-CB	-5.01	103.16	111.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	7J	71	ALA	N-CA-CB	-5.01	103.16	111.57
2	7V	71	ALA	N-CA-CB	-5.01	103.16	111.57
2	1R	105	CYS	N-CA-C	5.00	117.05	108.90
2	1V	105	CYS	N-CA-C	5.00	117.05	108.90
2	1Z	105	CYS	N-CA-C	5.00	117.05	108.90
2	2R	105	CYS	N-CA-C	5.00	117.05	108.90
2	2V	105	CYS	N-CA-C	5.00	117.05	108.90
2	2Z	105	CYS	N-CA-C	5.00	117.05	108.90
2	43	105	CYS	N-CA-C	5.00	117.05	108.90
2	47	105	CYS	N-CA-C	5.00	117.05	108.90
2	5B	105	CYS	N-CA-C	5.00	117.05	108.90
2	53	105	CYS	N-CA-C	5.00	117.05	108.90
2	57	105	CYS	N-CA-C	5.00	117.05	108.90
2	6B	105	CYS	N-CA-C	5.00	117.05	108.90

All (720) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
1	1A	13	ALA	CA
1	1A	17	THR	CA
1	1A	41	ILE	CA
1	1A	66	ARG	CA
1	1A	97	SER	CA
2	1B	8	VAL	CA
2	1B	58	LEU	CA
2	1B	91[A]	LYS	CA
2	1B	91[B]	LYS	CA
2	1B	107	PHE	CA
3	1C	2	ILE	CB
4	1D	93	LEU	CA
1	1E	13	ALA	CA
1	1E	17	THR	CA
1	1E	41	ILE	CA
1	1E	66	ARG	CA
1	1E	97	SER	CA
2	1F	8	VAL	CA
2	1F	58	LEU	CA
2	1F	91[A]	LYS	CA
2	1F	91[B]	LYS	CA
2	1F	107	PHE	CA
3	1G	2	ILE	CB
4	1H	93	LEU	CA

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Mol	Chain	Res	Type	Atom
1	1I	13	ALA	CA
1	1I	17	THR	CA
1	1I	41	ILE	CA
1	1I	66	ARG	CA
1	1I	97	SER	CA
2	1J	8	VAL	CA
2	1J	58	LEU	CA
2	1J	91[A]	LYS	CA
2	1J	91[B]	LYS	CA
2	1J	107	PHE	CA
3	1K	2	ILE	CB
4	1L	93	LEU	CA
1	1M	13	ALA	CA
1	1M	17	THR	CA
1	1M	41	ILE	CA
1	1M	66	ARG	CA
1	1M	97	SER	CA
2	1N	8	VAL	CA
2	1N	58	LEU	CA
2	1N	91[A]	LYS	CA
2	1N	91[B]	LYS	CA
2	1N	107	PHE	CA
3	1O	2	ILE	CB
4	1P	93	LEU	CA
1	1Q	13	ALA	CA
1	1Q	17	THR	CA
1	1Q	41	ILE	CA
1	1Q	66	ARG	CA
1	1Q	97	SER	CA
2	1R	8	VAL	CA
2	1R	58	LEU	CA
2	1R	91[A]	LYS	CA
2	1R	91[B]	LYS	CA
2	1R	107	PHE	CA
3	1S	2	ILE	CB
4	1T	93	LEU	CA
1	1U	13	ALA	CA
1	1U	17	THR	CA
1	1U	41	ILE	CA
1	1U	66	ARG	CA
1	1U	97	SER	CA
2	1V	8	VAL	CA

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Mol	Chain	Res	Type	Atom
2	1V	58	LEU	CA
2	1V	91[A]	LYS	CA
2	1V	91[B]	LYS	CA
2	1V	107	PHE	CA
3	1W	2	ILE	CB
4	1X	93	LEU	CA
1	1Y	13	ALA	CA
1	1Y	17	THR	CA
1	1Y	41	ILE	CA
1	1Y	66	ARG	CA
1	1Y	97	SER	CA
2	1Z	8	VAL	CA
2	1Z	58	LEU	CA
2	1Z	91[A]	LYS	CA
2	1Z	91[B]	LYS	CA
2	1Z	107	PHE	CA
3	10	2	ILE	CB
4	11	93	LEU	CA
1	12	13	ALA	CA
1	12	17	THR	CA
1	12	41	ILE	CA
1	12	66	ARG	CA
1	12	97	SER	CA
2	13	8	VAL	CA
2	13	58	LEU	CA
2	13	91[A]	LYS	CA
2	13	91[B]	LYS	CA
2	13	107	PHE	CA
3	14	2	ILE	CB
4	15	93	LEU	CA
1	16	13	ALA	CA
1	16	17	THR	CA
1	16	41	ILE	CA
1	16	66	ARG	CA
1	16	97	SER	CA
2	17	8	VAL	CA
2	17	58	LEU	CA
2	17	91[A]	LYS	CA
2	17	91[B]	LYS	CA
2	17	107	PHE	CA
3	18	2	ILE	CB
4	19	93	LEU	CA

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Mol	Chain	Res	Type	Atom
1	2A	13	ALA	CA
1	2A	17	THR	CA
1	2A	41	ILE	CA
1	2A	66	ARG	CA
1	2A	97	SER	CA
2	2B	8	VAL	CA
2	2B	58	LEU	CA
2	2B	91[A]	LYS	CA
2	2B	91[B]	LYS	CA
2	2B	107	PHE	CA
3	2C	2	ILE	CB
4	2D	93	LEU	CA
1	2E	13	ALA	CA
1	2E	17	THR	CA
1	2E	41	ILE	CA
1	2E	66	ARG	CA
1	2E	97	SER	CA
2	2F	8	VAL	CA
2	2F	58	LEU	CA
2	2F	91[A]	LYS	CA
2	2F	91[B]	LYS	CA
2	2F	107	PHE	CA
3	2G	2	ILE	CB
4	2H	93	LEU	CA
1	2I	13	ALA	CA
1	2I	17	THR	CA
1	2I	41	ILE	CA
1	2I	66	ARG	CA
1	2I	97	SER	CA
2	2J	8	VAL	CA
2	2J	58	LEU	CA
2	2J	91[A]	LYS	CA
2	2J	91[B]	LYS	CA
2	2J	107	PHE	CA
3	2K	2	ILE	CB
4	2L	93	LEU	CA
1	2M	13	ALA	CA
1	2M	17	THR	CA
1	2M	41	ILE	CA
1	2M	66	ARG	CA
1	2M	97	SER	CA
2	2N	8	VAL	CA

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Mol	Chain	Res	Type	Atom
2	2N	58	LEU	CA
2	2N	91[A]	LYS	CA
2	2N	91[B]	LYS	CA
2	2N	107	PHE	CA
3	2O	2	ILE	CB
4	2P	93	LEU	CA
1	2Q	13	ALA	CA
1	2Q	17	THR	CA
1	2Q	41	ILE	CA
1	2Q	66	ARG	CA
1	2Q	97	SER	CA
2	2R	8	VAL	CA
2	2R	58	LEU	CA
2	2R	91[A]	LYS	CA
2	2R	91[B]	LYS	CA
2	2R	107	PHE	CA
3	2S	2	ILE	CB
4	2T	93	LEU	CA
1	2U	13	ALA	CA
1	2U	17	THR	CA
1	2U	41	ILE	CA
1	2U	66	ARG	CA
1	2U	97	SER	CA
2	2V	8	VAL	CA
2	2V	58	LEU	CA
2	2V	91[A]	LYS	CA
2	2V	91[B]	LYS	CA
2	2V	107	PHE	CA
3	2W	2	ILE	CB
4	2X	93	LEU	CA
1	2Y	13	ALA	CA
1	2Y	17	THR	CA
1	2Y	41	ILE	CA
1	2Y	66	ARG	CA
1	2Y	97	SER	CA
2	2Z	8	VAL	CA
2	2Z	58	LEU	CA
2	2Z	91[A]	LYS	CA
2	2Z	91[B]	LYS	CA
2	2Z	107	PHE	CA
3	20	2	ILE	CB
4	21	93	LEU	CA

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Mol	Chain	Res	Type	Atom
1	22	13	ALA	CA
1	22	17	THR	CA
1	22	41	ILE	CA
1	22	66	ARG	CA
1	22	97	SER	CA
2	23	8	VAL	CA
2	23	58	LEU	CA
2	23	91[A]	LYS	CA
2	23	91[B]	LYS	CA
2	23	107	PHE	CA
3	24	2	ILE	CB
4	25	93	LEU	CA
1	26	13	ALA	CA
1	26	17	THR	CA
1	26	41	ILE	CA
1	26	66	ARG	CA
1	26	97	SER	CA
2	27	8	VAL	CA
2	27	58	LEU	CA
2	27	91[A]	LYS	CA
2	27	91[B]	LYS	CA
2	27	107	PHE	CA
3	28	2	ILE	CB
4	29	93	LEU	CA
1	3A	13	ALA	CA
1	3A	17	THR	CA
1	3A	41	ILE	CA
1	3A	66	ARG	CA
1	3A	97	SER	CA
2	3B	8	VAL	CA
2	3B	58	LEU	CA
2	3B	91[A]	LYS	CA
2	3B	91[B]	LYS	CA
2	3B	107	PHE	CA
3	3C	2	ILE	CB
4	3D	93	LEU	CA
1	3E	13	ALA	CA
1	3E	17	THR	CA
1	3E	41	ILE	CA
1	3E	66	ARG	CA
1	3E	97	SER	CA
2	3F	8	VAL	CA

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Mol	Chain	Res	Type	Atom
2	3F	58	LEU	CA
2	3F	91[A]	LYS	CA
2	3F	91[B]	LYS	CA
2	3F	107	PHE	CA
3	3G	2	ILE	CB
4	3H	93	LEU	CA
1	3I	13	ALA	CA
1	3I	17	THR	CA
1	3I	41	ILE	CA
1	3I	66	ARG	CA
1	3I	97	SER	CA
2	3J	8	VAL	CA
2	3J	58	LEU	CA
2	3J	91[A]	LYS	CA
2	3J	91[B]	LYS	CA
2	3J	107	PHE	CA
3	3K	2	ILE	CB
4	3L	93	LEU	CA
1	3M	13	ALA	CA
1	3M	17	THR	CA
1	3M	41	ILE	CA
1	3M	66	ARG	CA
1	3M	97	SER	CA
2	3N	8	VAL	CA
2	3N	58	LEU	CA
2	3N	91[A]	LYS	CA
2	3N	91[B]	LYS	CA
2	3N	107	PHE	CA
3	3O	2	ILE	CB
4	3P	93	LEU	CA
1	3Q	13	ALA	CA
1	3Q	17	THR	CA
1	3Q	41	ILE	CA
1	3Q	66	ARG	CA
1	3Q	97	SER	CA
2	3R	8	VAL	CA
2	3R	58	LEU	CA
2	3R	91[A]	LYS	CA
2	3R	91[B]	LYS	CA
2	3R	107	PHE	CA
3	3S	2	ILE	CB
4	3T	93	LEU	CA

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Mol	Chain	Res	Type	Atom
1	3U	13	ALA	CA
1	3U	17	THR	CA
1	3U	41	ILE	CA
1	3U	66	ARG	CA
1	3U	97	SER	CA
2	3V	8	VAL	CA
2	3V	58	LEU	CA
2	3V	91[A]	LYS	CA
2	3V	91[B]	LYS	CA
2	3V	107	PHE	CA
3	3W	2	ILE	CB
4	3X	93	LEU	CA
1	3Y	13	ALA	CA
1	3Y	17	THR	CA
1	3Y	41	ILE	CA
1	3Y	66	ARG	CA
1	3Y	97	SER	CA
2	3Z	8	VAL	CA
2	3Z	58	LEU	CA
2	3Z	91[A]	LYS	CA
2	3Z	91[B]	LYS	CA
2	3Z	107	PHE	CA
3	30	2	ILE	CB
4	31	93	LEU	CA
1	32	13	ALA	CA
1	32	17	THR	CA
1	32	41	ILE	CA
1	32	66	ARG	CA
1	32	97	SER	CA
2	33	8	VAL	CA
2	33	58	LEU	CA
2	33	91[A]	LYS	CA
2	33	91[B]	LYS	CA
2	33	107	PHE	CA
3	34	2	ILE	CB
4	35	93	LEU	CA
1	36	13	ALA	CA
1	36	17	THR	CA
1	36	41	ILE	CA
1	36	66	ARG	CA
1	36	97	SER	CA
2	37	8	VAL	CA

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Mol	Chain	Res	Type	Atom
2	37	58	LEU	CA
2	37	91[A]	LYS	CA
2	37	91[B]	LYS	CA
2	37	107	PHE	CA
3	38	2	ILE	CB
4	39	93	LEU	CA
1	4A	13	ALA	CA
1	4A	17	THR	CA
1	4A	41	ILE	CA
1	4A	66	ARG	CA
1	4A	97	SER	CA
2	4B	8	VAL	CA
2	4B	58	LEU	CA
2	4B	91[A]	LYS	CA
2	4B	91[B]	LYS	CA
2	4B	107	PHE	CA
3	4C	2	ILE	CB
4	4D	93	LEU	CA
1	4E	13	ALA	CA
1	4E	17	THR	CA
1	4E	41	ILE	CA
1	4E	66	ARG	CA
1	4E	97	SER	CA
2	4F	8	VAL	CA
2	4F	58	LEU	CA
2	4F	91[A]	LYS	CA
2	4F	91[B]	LYS	CA
2	4F	107	PHE	CA
3	4G	2	ILE	CB
4	4H	93	LEU	CA
1	4I	13	ALA	CA
1	4I	17	THR	CA
1	4I	41	ILE	CA
1	4I	66	ARG	CA
1	4I	97	SER	CA
2	4J	8	VAL	CA
2	4J	58	LEU	CA
2	4J	91[A]	LYS	CA
2	4J	91[B]	LYS	CA
2	4J	107	PHE	CA
3	4K	2	ILE	CB
4	4L	93	LEU	CA

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Mol	Chain	Res	Type	Atom
1	4M	13	ALA	CA
1	4M	17	THR	CA
1	4M	41	ILE	CA
1	4M	66	ARG	CA
1	4M	97	SER	CA
2	4N	8	VAL	CA
2	4N	58	LEU	CA
2	4N	91[A]	LYS	CA
2	4N	91[B]	LYS	CA
2	4N	107	PHE	CA
3	4O	2	ILE	CB
4	4P	93	LEU	CA
1	4Q	13	ALA	CA
1	4Q	17	THR	CA
1	4Q	41	ILE	CA
1	4Q	66	ARG	CA
1	4Q	97	SER	CA
2	4R	8	VAL	CA
2	4R	58	LEU	CA
2	4R	91[A]	LYS	CA
2	4R	91[B]	LYS	CA
2	4R	107	PHE	CA
3	4S	2	ILE	CB
4	4T	93	LEU	CA
1	4U	13	ALA	CA
1	4U	17	THR	CA
1	4U	41	ILE	CA
1	4U	66	ARG	CA
1	4U	97	SER	CA
2	4V	8	VAL	CA
2	4V	58	LEU	CA
2	4V	91[A]	LYS	CA
2	4V	91[B]	LYS	CA
2	4V	107	PHE	CA
3	4W	2	ILE	CB
4	4X	93	LEU	CA
1	4Y	13	ALA	CA
1	4Y	17	THR	CA
1	4Y	41	ILE	CA
1	4Y	66	ARG	CA
1	4Y	97	SER	CA
2	4Z	8	VAL	CA

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Mol	Chain	Res	Type	Atom
2	4Z	58	LEU	CA
2	4Z	91[A]	LYS	CA
2	4Z	91[B]	LYS	CA
2	4Z	107	PHE	CA
3	40	2	ILE	CB
4	41	93	LEU	CA
1	42	13	ALA	CA
1	42	17	THR	CA
1	42	41	ILE	CA
1	42	66	ARG	CA
1	42	97	SER	CA
2	43	8	VAL	CA
2	43	58	LEU	CA
2	43	91[A]	LYS	CA
2	43	91[B]	LYS	CA
2	43	107	PHE	CA
3	44	2	ILE	CB
4	45	93	LEU	CA
1	46	13	ALA	CA
1	46	17	THR	CA
1	46	41	ILE	CA
1	46	66	ARG	CA
1	46	97	SER	CA
2	47	8	VAL	CA
2	47	58	LEU	CA
2	47	91[A]	LYS	CA
2	47	91[B]	LYS	CA
2	47	107	PHE	CA
3	48	2	ILE	CB
4	49	93	LEU	CA
1	5A	13	ALA	CA
1	5A	17	THR	CA
1	5A	41	ILE	CA
1	5A	66	ARG	CA
1	5A	97	SER	CA
2	5B	8	VAL	CA
2	5B	58	LEU	CA
2	5B	91[A]	LYS	CA
2	5B	91[B]	LYS	CA
2	5B	107	PHE	CA
3	5C	2	ILE	CB
4	5D	93	LEU	CA

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Mol	Chain	Res	Type	Atom
1	5E	13	ALA	CA
1	5E	17	THR	CA
1	5E	41	ILE	CA
1	5E	66	ARG	CA
1	5E	97	SER	CA
2	5F	8	VAL	CA
2	5F	58	LEU	CA
2	5F	91[A]	LYS	CA
2	5F	91[B]	LYS	CA
2	5F	107	PHE	CA
3	5G	2	ILE	CB
4	5H	93	LEU	CA
1	5I	13	ALA	CA
1	5I	17	THR	CA
1	5I	41	ILE	CA
1	5I	66	ARG	CA
1	5I	97	SER	CA
2	5J	8	VAL	CA
2	5J	58	LEU	CA
2	5J	91[A]	LYS	CA
2	5J	91[B]	LYS	CA
2	5J	107	PHE	CA
3	5K	2	ILE	CB
4	5L	93	LEU	CA
1	5M	13	ALA	CA
1	5M	17	THR	CA
1	5M	41	ILE	CA
1	5M	66	ARG	CA
1	5M	97	SER	CA
2	5N	8	VAL	CA
2	5N	58	LEU	CA
2	5N	91[A]	LYS	CA
2	5N	91[B]	LYS	CA
2	5N	107	PHE	CA
3	5O	2	ILE	CB
4	5P	93	LEU	CA
1	5Q	13	ALA	CA
1	5Q	17	THR	CA
1	5Q	41	ILE	CA
1	5Q	66	ARG	CA
1	5Q	97	SER	CA
2	5R	8	VAL	CA

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Mol	Chain	Res	Type	Atom
2	5R	58	LEU	CA
2	5R	91[A]	LYS	CA
2	5R	91[B]	LYS	CA
2	5R	107	PHE	CA
3	5S	2	ILE	CB
4	5T	93	LEU	CA
1	5U	13	ALA	CA
1	5U	17	THR	CA
1	5U	41	ILE	CA
1	5U	66	ARG	CA
1	5U	97	SER	CA
2	5V	8	VAL	CA
2	5V	58	LEU	CA
2	5V	91[A]	LYS	CA
2	5V	91[B]	LYS	CA
2	5V	107	PHE	CA
3	5W	2	ILE	CB
4	5X	93	LEU	CA
1	5Y	13	ALA	CA
1	5Y	17	THR	CA
1	5Y	41	ILE	CA
1	5Y	66	ARG	CA
1	5Y	97	SER	CA
2	5Z	8	VAL	CA
2	5Z	58	LEU	CA
2	5Z	91[A]	LYS	CA
2	5Z	91[B]	LYS	CA
2	5Z	107	PHE	CA
3	50	2	ILE	CB
4	51	93	LEU	CA
1	52	13	ALA	CA
1	52	17	THR	CA
1	52	41	ILE	CA
1	52	66	ARG	CA
1	52	97	SER	CA
2	53	8	VAL	CA
2	53	58	LEU	CA
2	53	91[A]	LYS	CA
2	53	91[B]	LYS	CA
2	53	107	PHE	CA
3	54	2	ILE	CB
4	55	93	LEU	CA

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Mol	Chain	Res	Type	Atom
1	56	13	ALA	CA
1	56	17	THR	CA
1	56	41	ILE	CA
1	56	66	ARG	CA
1	56	97	SER	CA
2	57	8	VAL	CA
2	57	58	LEU	CA
2	57	91[A]	LYS	CA
2	57	91[B]	LYS	CA
2	57	107	PHE	CA
3	58	2	ILE	CB
4	59	93	LEU	CA
1	6A	13	ALA	CA
1	6A	17	THR	CA
1	6A	41	ILE	CA
1	6A	66	ARG	CA
1	6A	97	SER	CA
2	6B	8	VAL	CA
2	6B	58	LEU	CA
2	6B	91[A]	LYS	CA
2	6B	91[B]	LYS	CA
2	6B	107	PHE	CA
3	6C	2	ILE	CB
4	6D	93	LEU	CA
1	6E	13	ALA	CA
1	6E	17	THR	CA
1	6E	41	ILE	CA
1	6E	66	ARG	CA
1	6E	97	SER	CA
2	6F	8	VAL	CA
2	6F	58	LEU	CA
2	6F	91[A]	LYS	CA
2	6F	91[B]	LYS	CA
2	6F	107	PHE	CA
3	6G	2	ILE	CB
4	6H	93	LEU	CA
1	6I	13	ALA	CA
1	6I	17	THR	CA
1	6I	41	ILE	CA
1	6I	66	ARG	CA
1	6I	97	SER	CA
2	6J	8	VAL	CA

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Mol	Chain	Res	Type	Atom
2	6J	58	LEU	CA
2	6J	91[A]	LYS	CA
2	6J	91[B]	LYS	CA
2	6J	107	PHE	CA
3	6K	2	ILE	CB
4	6L	93	LEU	CA
1	6M	13	ALA	CA
1	6M	17	THR	CA
1	6M	41	ILE	CA
1	6M	66	ARG	CA
1	6M	97	SER	CA
2	6N	8	VAL	CA
2	6N	58	LEU	CA
2	6N	91[A]	LYS	CA
2	6N	91[B]	LYS	CA
2	6N	107	PHE	CA
3	6O	2	ILE	CB
4	6P	93	LEU	CA
1	6Q	13	ALA	CA
1	6Q	17	THR	CA
1	6Q	41	ILE	CA
1	6Q	66	ARG	CA
1	6Q	97	SER	CA
2	6R	8	VAL	CA
2	6R	58	LEU	CA
2	6R	91[A]	LYS	CA
2	6R	91[B]	LYS	CA
2	6R	107	PHE	CA
3	6S	2	ILE	CB
4	6T	93	LEU	CA
1	6U	13	ALA	CA
1	6U	17	THR	CA
1	6U	41	ILE	CA
1	6U	66	ARG	CA
1	6U	97	SER	CA
2	6V	8	VAL	CA
2	6V	58	LEU	CA
2	6V	91[A]	LYS	CA
2	6V	91[B]	LYS	CA
2	6V	107	PHE	CA
3	6W	2	ILE	CB
4	6X	93	LEU	CA

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Mol	Chain	Res	Type	Atom
1	6Y	13	ALA	CA
1	6Y	17	THR	CA
1	6Y	41	ILE	CA
1	6Y	66	ARG	CA
1	6Y	97	SER	CA
2	6Z	8	VAL	CA
2	6Z	58	LEU	CA
2	6Z	91[A]	LYS	CA
2	6Z	91[B]	LYS	CA
2	6Z	107	PHE	CA
3	60	2	ILE	CB
4	61	93	LEU	CA
1	62	13	ALA	CA
1	62	17	THR	CA
1	62	41	ILE	CA
1	62	66	ARG	CA
1	62	97	SER	CA
2	63	8	VAL	CA
2	63	58	LEU	CA
2	63	91[A]	LYS	CA
2	63	91[B]	LYS	CA
2	63	107	PHE	CA
3	64	2	ILE	CB
4	65	93	LEU	CA
1	66	13	ALA	CA
1	66	17	THR	CA
1	66	41	ILE	CA
1	66	66	ARG	CA
1	66	97	SER	CA
2	67	8	VAL	CA
2	67	58	LEU	CA
2	67	91[A]	LYS	CA
2	67	91[B]	LYS	CA
2	67	107	PHE	CA
3	68	2	ILE	CB
4	69	93	LEU	CA
1	7A	13	ALA	CA
1	7A	17	THR	CA
1	7A	41	ILE	CA
1	7A	66	ARG	CA
1	7A	97	SER	CA
2	7B	8	VAL	CA

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Mol	Chain	Res	Type	Atom
2	7B	58	LEU	CA
2	7B	91[A]	LYS	CA
2	7B	91[B]	LYS	CA
2	7B	107	PHE	CA
3	7C	2	ILE	CB
4	7D	93	LEU	CA
1	7E	13	ALA	CA
1	7E	17	THR	CA
1	7E	41	ILE	CA
1	7E	66	ARG	CA
1	7E	97	SER	CA
2	7F	8	VAL	CA
2	7F	58	LEU	CA
2	7F	91[A]	LYS	CA
2	7F	91[B]	LYS	CA
2	7F	107	PHE	CA
3	7G	2	ILE	CB
4	7H	93	LEU	CA
1	7I	13	ALA	CA
1	7I	17	THR	CA
1	7I	41	ILE	CA
1	7I	66	ARG	CA
1	7I	97	SER	CA
2	7J	8	VAL	CA
2	7J	58	LEU	CA
2	7J	91[A]	LYS	CA
2	7J	91[B]	LYS	CA
2	7J	107	PHE	CA
3	7K	2	ILE	CB
4	7L	93	LEU	CA
1	7M	13	ALA	CA
1	7M	17	THR	CA
1	7M	41	ILE	CA
1	7M	66	ARG	CA
1	7M	97	SER	CA
2	7N	8	VAL	CA
2	7N	58	LEU	CA
2	7N	91[A]	LYS	CA
2	7N	91[B]	LYS	CA
2	7N	107	PHE	CA
3	7O	2	ILE	CB
4	7P	93	LEU	CA

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Mol	Chain	Res	Type	Atom
1	7Q	13	ALA	CA
1	7Q	17	THR	CA
1	7Q	41	ILE	CA
1	7Q	66	ARG	CA
1	7Q	97	SER	CA
2	7R	8	VAL	CA
2	7R	58	LEU	CA
2	7R	91[A]	LYS	CA
2	7R	91[B]	LYS	CA
2	7R	107	PHE	CA
3	7S	2	ILE	CB
4	7T	93	LEU	CA
1	7U	13	ALA	CA
1	7U	17	THR	CA
1	7U	41	ILE	CA
1	7U	66	ARG	CA
1	7U	97	SER	CA
2	7V	8	VAL	CA
2	7V	58	LEU	CA
2	7V	91[A]	LYS	CA
2	7V	91[B]	LYS	CA
2	7V	107	PHE	CA
3	7W	2	ILE	CB
4	7X	93	LEU	CA

All (9120) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
4	11	27	PHE	Sidechain
1	12	1	ASP	Mainchain
1	12	13	ALA	Mainchain
1	12	14	ASP	Mainchain
1	12	146	ASN	Sidechain
1	12	147	ARG	Sidechain
1	12	149	THR	Mainchain,Peptide
1	12	150	TYR	Mainchain,Sidechain
1	12	152	SER	Mainchain
1	12	154	SER	Mainchain
1	12	155	PRO	Mainchain,Peptide
1	12	156	SER	Mainchain
1	12	16	THR	Mainchain,Peptide
1	12	166	MET	Mainchain

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Mol	Chain	Res	Type	Group
1	12	167	GLY	Mainchain,Peptide
1	12	169	ASP	Mainchain
1	12	17	THR	Mainchain,Peptide
1	12	170	ALA	Peptide
1	12	171	ARG	Mainchain
1	12	172	PHE	Mainchain,Sidechain
1	12	179	VAL	Mainchain
1	12	180	VAL	Mainchain
1	12	182	PHE	Sidechain
1	12	20	GLU	Mainchain
1	12	21	ASN	Peptide
1	12	22	HIS	Sidechain
1	12	23	GLY	Mainchain
1	12	24	VAL	Mainchain
1	12	25	ASP	Peptide
1	12	26	ALA	Mainchain,Peptide
1	12	27	LYS	Peptide
1	12	29	TYR	Sidechain
1	12	30	PHE	Mainchain,Sidechain
1	12	34	ALA	Mainchain
1	12	35	THR	Mainchain
1	12	36	THR	Mainchain
1	12	37	ALA	Mainchain
1	12	38	PRO	Mainchain
1	12	39	GLN	Mainchain,Sidechain
1	12	41	ILE	Mainchain,Peptide
1	12	43	HIS	Mainchain
1	12	47	VAL	Peptide
1	12	48	TYR	Sidechain
1	12	50	ARG	Mainchain
1	12	52	PHE	Sidechain
1	12	64	TYR	Mainchain
1	12	65	PHE	Mainchain,Peptide,Sidechain
1	12	66	ARG	Mainchain,Sidechain
1	12	79	THR	Mainchain
1	12	8	LEU	Peptide
1	12	80	PHE	Sidechain
1	12	81	ASN	Sidechain
1	12	82	ARG	Sidechain
1	12	84	ARG	Mainchain,Peptide,Sidechain
1	12	88	GLY	Peptide
1	12	89	PHE	Mainchain,Peptide,Sidechain

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Mol	Chain	Res	Type	Group
1	12	9	PHE	Sidechain
1	12	90	PHE	Sidechain
1	12	91	PRO	Mainchain
1	12	92	ASN	Peptide
1	12	94	THR	Peptide
1	12	96	ASP	Peptide,Sidechain
1	12	97	SER	Peptide
2	13	106	GLY	Mainchain
2	13	107	PHE	Peptide,Sidechain
2	13	108	HIS	Peptide
2	13	15	VAL	Mainchain
2	13	2	GLU	Mainchain
2	13	209	LEU	Mainchain
2	13	215	GLN	Sidechain
2	13	216	ASN	Mainchain,Sidechain
2	13	217	PRO	Mainchain
2	13	22	GLN	Sidechain
2	13	220	PHE	Sidechain
2	13	222	GLN	Sidechain
2	13	224	VAL	Peptide
2	13	225	ASN	Mainchain
2	13	226	ILE	Peptide
2	13	227	TYR	Sidechain
2	13	228	ASP	Mainchain
2	13	229	ASN	Sidechain
2	13	23	HIS	Mainchain,Sidechain
2	13	25	SER	Peptide
2	13	28	THR	Mainchain
2	13	29	MET	Mainchain
2	13	30	PRO	Mainchain,Peptide
2	13	31	PHE	Mainchain,Sidechain
2	13	35	PHE	Mainchain,Sidechain
2	13	36	SER	Mainchain
2	13	37	ASN	Mainchain
2	13	38	VAL	Mainchain
2	13	39	ASP	Mainchain
2	13	4	GLU	Mainchain,Peptide
2	13	40	ASN	Sidechain
2	13	41	PHE	Mainchain,Peptide,Sidechain
2	13	44	MET	Mainchain
2	13	46	TYR	Mainchain,Peptide,Sidechain
2	13	47	ASP	Sidechain

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Mol	Chain	Res	Type	Group
2	13	50	THR	Mainchain
2	13	52	ASP	Peptide
2	13	54	ASN	Mainchain,Sidechain
2	13	55	PRO	Mainchain
2	13	56	SER	Mainchain
2	13	57	LYS	Mainchain,Peptide
2	13	59	VAL	Mainchain
2	13	67	THR	Mainchain
2	13	70	TRP	Mainchain
2	13	71	ALA	Peptide
2	13	72	ARG	Peptide,Sidechain
2	13	73	GLY	Mainchain
2	13	74	TYR	Peptide,Sidechain
2	13	75	GLN	Peptide
2	13	77	THR	Mainchain
2	13	78	HIS	Sidechain
2	13	8	VAL	Mainchain,Peptide
2	13	9	VAL	Mainchain
2	13	91[B]	LYS	Mainchain
4	15	27	PHE	Sidechain
1	16	1	ASP	Mainchain
1	16	13	ALA	Mainchain
1	16	14	ASP	Mainchain
1	16	146	ASN	Sidechain
1	16	147	ARG	Sidechain
1	16	149	THR	Mainchain,Peptide
1	16	150	TYR	Mainchain,Sidechain
1	16	152	SER	Mainchain
1	16	154	SER	Mainchain
1	16	155	PRO	Mainchain,Peptide
1	16	156	SER	Mainchain
1	16	16	THR	Mainchain,Peptide
1	16	166	MET	Mainchain
1	16	167	GLY	Mainchain,Peptide
1	16	169	ASP	Mainchain
1	16	17	THR	Mainchain,Peptide
1	16	170	ALA	Peptide
1	16	171	ARG	Mainchain
1	16	172	PHE	Mainchain,Sidechain
1	16	179	VAL	Mainchain
1	16	180	VAL	Mainchain
1	16	182	PHE	Sidechain

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Mol	Chain	Res	Type	Group
1	16	20	GLU	Mainchain
1	16	21	ASN	Peptide
1	16	22	HIS	Sidechain
1	16	23	GLY	Mainchain
1	16	24	VAL	Mainchain
1	16	25	ASP	Peptide
1	16	26	ALA	Mainchain,Peptide
1	16	27	LYS	Peptide
1	16	29	TYR	Sidechain
1	16	30	PHE	Mainchain,Sidechain
1	16	34	ALA	Mainchain
1	16	35	THR	Mainchain
1	16	36	THR	Mainchain
1	16	37	ALA	Mainchain
1	16	38	PRO	Mainchain
1	16	39	GLN	Mainchain,Sidechain
1	16	41	ILE	Mainchain,Peptide
1	16	43	HIS	Mainchain
1	16	47	VAL	Peptide
1	16	48	TYR	Sidechain
1	16	50	ARG	Mainchain
1	16	52	PHE	Sidechain
1	16	64	TYR	Mainchain
1	16	65	PHE	Mainchain,Peptide,Sidechain
1	16	66	ARG	Mainchain,Sidechain
1	16	79	THR	Mainchain
1	16	8	LEU	Peptide
1	16	80	PHE	Sidechain
1	16	81	ASN	Sidechain
1	16	82	ARG	Sidechain
1	16	84	ARG	Mainchain,Peptide,Sidechain
1	16	88	GLY	Peptide
1	16	89	PHE	Mainchain,Peptide,Sidechain
1	16	9	PHE	Sidechain
1	16	90	PHE	Sidechain
1	16	91	PRO	Mainchain
1	16	92	ASN	Peptide
1	16	94	THR	Peptide
1	16	96	ASP	Peptide,Sidechain
1	16	97	SER	Peptide
2	17	106	GLY	Mainchain
2	17	107	PHE	Peptide,Sidechain

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Mol	Chain	Res	Type	Group
2	17	108	HIS	Peptide
2	17	15	VAL	Mainchain
2	17	2	GLU	Mainchain
2	17	209	LEU	Mainchain
2	17	215	GLN	Sidechain
2	17	216	ASN	Mainchain,Sidechain
2	17	217	PRO	Mainchain
2	17	22	GLN	Sidechain
2	17	220	PHE	Sidechain
2	17	222	GLN	Sidechain
2	17	224	VAL	Peptide
2	17	225	ASN	Mainchain
2	17	226	ILE	Peptide
2	17	227	TYR	Sidechain
2	17	228	ASP	Mainchain
2	17	229	ASN	Sidechain
2	17	23	HIS	Mainchain,Sidechain
2	17	25	SER	Peptide
2	17	28	THR	Mainchain
2	17	29	MET	Mainchain
2	17	30	PRO	Mainchain,Peptide
2	17	31	PHE	Mainchain,Sidechain
2	17	35	PHE	Mainchain,Sidechain
2	17	36	SER	Mainchain
2	17	37	ASN	Mainchain
2	17	38	VAL	Mainchain
2	17	39	ASP	Mainchain
2	17	4	GLU	Mainchain,Peptide
2	17	40	ASN	Sidechain
2	17	41	PHE	Mainchain,Peptide,Sidechain
2	17	44	MET	Mainchain
2	17	46	TYR	Mainchain,Peptide,Sidechain
2	17	47	ASP	Sidechain
2	17	50	THR	Mainchain
2	17	52	ASP	Peptide
2	17	54	ASN	Mainchain,Sidechain
2	17	55	PRO	Mainchain
2	17	56	SER	Mainchain
2	17	57	LYS	Mainchain,Peptide
2	17	59	VAL	Mainchain
2	17	67	THR	Mainchain
2	17	70	TRP	Mainchain

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Mol	Chain	Res	Type	Group
2	17	71	ALA	Peptide
2	17	72	ARG	Peptide,Sidechain
2	17	73	GLY	Mainchain
2	17	74	TYR	Peptide,Sidechain
2	17	75	GLN	Peptide
2	17	77	THR	Mainchain
2	17	78	HIS	Sidechain
2	17	8	VAL	Mainchain,Peptide
2	17	9	VAL	Mainchain
2	17	91[B]	LYS	Mainchain
4	19	27	PHE	Sidechain
1	1A	1	ASP	Mainchain
1	1A	13	ALA	Mainchain
1	1A	14	ASP	Mainchain
1	1A	146	ASN	Sidechain
1	1A	147	ARG	Sidechain
1	1A	149	THR	Mainchain,Peptide
1	1A	150	TYR	Mainchain,Sidechain
1	1A	152	SER	Mainchain
1	1A	154	SER	Mainchain
1	1A	155	PRO	Mainchain,Peptide
1	1A	156	SER	Mainchain
1	1A	16	THR	Mainchain,Peptide
1	1A	166	MET	Mainchain
1	1A	167	GLY	Mainchain,Peptide
1	1A	169	ASP	Mainchain
1	1A	17	THR	Mainchain,Peptide
1	1A	170	ALA	Peptide
1	1A	171	ARG	Mainchain
1	1A	172	PHE	Mainchain,Sidechain
1	1A	179	VAL	Mainchain
1	1A	180	VAL	Mainchain
1	1A	182	PHE	Sidechain
1	1A	20	GLU	Mainchain
1	1A	21	ASN	Peptide
1	1A	22	HIS	Sidechain
1	1A	23	GLY	Mainchain
1	1A	24	VAL	Mainchain
1	1A	25	ASP	Peptide
1	1A	26	ALA	Mainchain,Peptide
1	1A	27	LYS	Peptide
1	1A	29	TYR	Sidechain

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Mol	Chain	Res	Type	Group
1	1A	30	PHE	Mainchain,Sidechain
1	1A	34	ALA	Mainchain
1	1A	35	THR	Mainchain
1	1A	36	THR	Mainchain
1	1A	37	ALA	Mainchain
1	1A	38	PRO	Mainchain
1	1A	39	GLN	Mainchain,Sidechain
1	1A	41	ILE	Mainchain,Peptide
1	1A	43	HIS	Mainchain
1	1A	47	VAL	Peptide
1	1A	48	TYR	Sidechain
1	1A	50	ARG	Mainchain
1	1A	52	PHE	Sidechain
1	1A	64	TYR	Mainchain
1	1A	65	PHE	Mainchain,Peptide,Sidechain
1	1A	66	ARG	Mainchain,Sidechain
1	1A	79	THR	Mainchain
1	1A	8	LEU	Peptide
1	1A	80	PHE	Sidechain
1	1A	81	ASN	Sidechain
1	1A	82	ARG	Sidechain
1	1A	84	ARG	Mainchain,Peptide,Sidechain
1	1A	88	GLY	Peptide
1	1A	89	PHE	Mainchain,Peptide,Sidechain
1	1A	9	PHE	Sidechain
1	1A	90	PHE	Sidechain
1	1A	91	PRO	Mainchain
1	1A	92	ASN	Peptide
1	1A	94	THR	Peptide
1	1A	96	ASP	Peptide,Sidechain
1	1A	97	SER	Peptide
2	1B	106	GLY	Mainchain
2	1B	107	PHE	Peptide,Sidechain
2	1B	108	HIS	Peptide
2	1B	15	VAL	Mainchain
2	1B	2	GLU	Mainchain
2	1B	209	LEU	Mainchain
2	1B	215	GLN	Sidechain
2	1B	216	ASN	Mainchain,Sidechain
2	1B	217	PRO	Mainchain
2	1B	22	GLN	Sidechain
2	1B	220	PHE	Sidechain

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Mol	Chain	Res	Type	Group
2	1B	222	GLN	Sidechain
2	1B	224	VAL	Peptide
2	1B	225	ASN	Mainchain
2	1B	226	ILE	Peptide
2	1B	227	TYR	Sidechain
2	1B	228	ASP	Mainchain
2	1B	229	ASN	Sidechain
2	1B	23	HIS	Mainchain,Sidechain
2	1B	25	SER	Peptide
2	1B	28	THR	Mainchain
2	1B	29	MET	Mainchain
2	1B	30	PRO	Mainchain,Peptide
2	1B	31	PHE	Mainchain,Sidechain
2	1B	35	PHE	Mainchain,Sidechain
2	1B	36	SER	Mainchain
2	1B	37	ASN	Mainchain
2	1B	38	VAL	Mainchain
2	1B	39	ASP	Mainchain
2	1B	4	GLU	Mainchain,Peptide
2	1B	40	ASN	Sidechain
2	1B	41	PHE	Mainchain,Peptide,Sidechain
2	1B	44	MET	Mainchain
2	1B	46	TYR	Mainchain,Peptide,Sidechain
2	1B	47	ASP	Sidechain
2	1B	50	THR	Mainchain
2	1B	52	ASP	Peptide
2	1B	54	ASN	Mainchain,Sidechain
2	1B	55	PRO	Mainchain
2	1B	56	SER	Mainchain
2	1B	57	LYS	Mainchain,Peptide
2	1B	59	VAL	Mainchain
2	1B	67	THR	Mainchain
2	1B	70	TRP	Mainchain
2	1B	71	ALA	Peptide
2	1B	72	ARG	Peptide,Sidechain
2	1B	73	GLY	Mainchain
2	1B	74	TYR	Peptide,Sidechain
2	1B	75	GLN	Peptide
2	1B	77	THR	Mainchain
2	1B	78	HIS	Sidechain
2	1B	8	VAL	Mainchain,Peptide
2	1B	9	VAL	Mainchain

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Mol	Chain	Res	Type	Group
2	1B	91[B]	LYS	Mainchain
4	1D	27	PHE	Sidechain
1	1E	1	ASP	Mainchain
1	1E	13	ALA	Mainchain
1	1E	14	ASP	Mainchain
1	1E	146	ASN	Sidechain
1	1E	147	ARG	Sidechain
1	1E	149	THR	Mainchain,Peptide
1	1E	150	TYR	Mainchain,Sidechain
1	1E	152	SER	Mainchain
1	1E	154	SER	Mainchain
1	1E	155	PRO	Mainchain,Peptide
1	1E	156	SER	Mainchain
1	1E	16	THR	Mainchain,Peptide
1	1E	166	MET	Mainchain
1	1E	167	GLY	Mainchain,Peptide
1	1E	169	ASP	Mainchain
1	1E	17	THR	Mainchain,Peptide
1	1E	170	ALA	Peptide
1	1E	171	ARG	Mainchain
1	1E	172	PHE	Mainchain,Sidechain
1	1E	179	VAL	Mainchain
1	1E	180	VAL	Mainchain
1	1E	182	PHE	Sidechain
1	1E	20	GLU	Mainchain
1	1E	21	ASN	Peptide
1	1E	22	HIS	Sidechain
1	1E	23	GLY	Mainchain
1	1E	24	VAL	Mainchain
1	1E	25	ASP	Peptide
1	1E	26	ALA	Mainchain,Peptide
1	1E	27	LYS	Peptide
1	1E	29	TYR	Sidechain
1	1E	30	PHE	Mainchain,Sidechain
1	1E	34	ALA	Mainchain
1	1E	35	THR	Mainchain
1	1E	36	THR	Mainchain
1	1E	37	ALA	Mainchain
1	1E	38	PRO	Mainchain
1	1E	39	GLN	Mainchain,Sidechain
1	1E	41	ILE	Mainchain,Peptide
1	1E	43	HIS	Mainchain

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Mol	Chain	Res	Type	Group
1	1E	47	VAL	Peptide
1	1E	48	TYR	Sidechain
1	1E	50	ARG	Mainchain
1	1E	52	PHE	Sidechain
1	1E	64	TYR	Mainchain
1	1E	65	PHE	Mainchain,Peptide,Sidechain
1	1E	66	ARG	Mainchain,Sidechain
1	1E	79	THR	Mainchain
1	1E	8	LEU	Peptide
1	1E	80	PHE	Sidechain
1	1E	81	ASN	Sidechain
1	1E	82	ARG	Sidechain
1	1E	84	ARG	Mainchain,Peptide,Sidechain
1	1E	88	GLY	Peptide
1	1E	89	PHE	Mainchain,Peptide,Sidechain
1	1E	9	PHE	Sidechain
1	1E	90	PHE	Sidechain
1	1E	91	PRO	Mainchain
1	1E	92	ASN	Peptide
1	1E	94	THR	Peptide
1	1E	96	ASP	Peptide,Sidechain
1	1E	97	SER	Peptide
2	1F	106	GLY	Mainchain
2	1F	107	PHE	Peptide,Sidechain
2	1F	108	HIS	Peptide
2	1F	15	VAL	Mainchain
2	1F	2	GLU	Mainchain
2	1F	209	LEU	Mainchain
2	1F	215	GLN	Sidechain
2	1F	216	ASN	Mainchain,Sidechain
2	1F	217	PRO	Mainchain
2	1F	22	GLN	Sidechain
2	1F	220	PHE	Sidechain
2	1F	222	GLN	Sidechain
2	1F	224	VAL	Peptide
2	1F	225	ASN	Mainchain
2	1F	226	ILE	Peptide
2	1F	227	TYR	Sidechain
2	1F	228	ASP	Mainchain
2	1F	229	ASN	Sidechain
2	1F	23	HIS	Mainchain,Sidechain
2	1F	25	SER	Peptide

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Mol	Chain	Res	Type	Group
2	1F	28	THR	Mainchain
2	1F	29	MET	Mainchain
2	1F	30	PRO	Mainchain,Peptide
2	1F	31	PHE	Mainchain,Sidechain
2	1F	35	PHE	Mainchain,Sidechain
2	1F	36	SER	Mainchain
2	1F	37	ASN	Mainchain
2	1F	38	VAL	Mainchain
2	1F	39	ASP	Mainchain
2	1F	4	GLU	Mainchain,Peptide
2	1F	40	ASN	Sidechain
2	1F	41	PHE	Mainchain,Peptide,Sidechain
2	1F	44	MET	Mainchain
2	1F	46	TYR	Mainchain,Peptide,Sidechain
2	1F	47	ASP	Sidechain
2	1F	50	THR	Mainchain
2	1F	52	ASP	Peptide
2	1F	54	ASN	Mainchain,Sidechain
2	1F	55	PRO	Mainchain
2	1F	56	SER	Mainchain
2	1F	57	LYS	Mainchain,Peptide
2	1F	59	VAL	Mainchain
2	1F	67	THR	Mainchain
2	1F	70	TRP	Mainchain
2	1F	71	ALA	Peptide
2	1F	72	ARG	Peptide,Sidechain
2	1F	73	GLY	Mainchain
2	1F	74	TYR	Peptide,Sidechain
2	1F	75	GLN	Peptide
2	1F	77	THR	Mainchain
2	1F	78	HIS	Sidechain
2	1F	8	VAL	Mainchain,Peptide
2	1F	9	VAL	Mainchain
2	1F	91[B]	LYS	Mainchain
4	1H	27	PHE	Sidechain
1	1I	1	ASP	Mainchain
1	1I	13	ALA	Mainchain
1	1I	14	ASP	Mainchain
1	1I	146	ASN	Sidechain
1	1I	147	ARG	Sidechain
1	1I	149	THR	Mainchain,Peptide
1	1I	150	TYR	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
1	1I	152	SER	Mainchain
1	1I	154	SER	Mainchain
1	1I	155	PRO	Mainchain,Peptide
1	1I	156	SER	Mainchain
1	1I	16	THR	Mainchain,Peptide
1	1I	166	MET	Mainchain
1	1I	167	GLY	Mainchain,Peptide
1	1I	169	ASP	Mainchain
1	1I	17	THR	Mainchain,Peptide
1	1I	170	ALA	Peptide
1	1I	171	ARG	Mainchain
1	1I	172	PHE	Mainchain,Sidechain
1	1I	179	VAL	Mainchain
1	1I	180	VAL	Mainchain
1	1I	182	PHE	Sidechain
1	1I	20	GLU	Mainchain
1	1I	21	ASN	Peptide
1	1I	22	HIS	Sidechain
1	1I	23	GLY	Mainchain
1	1I	24	VAL	Mainchain
1	1I	25	ASP	Peptide
1	1I	26	ALA	Mainchain,Peptide
1	1I	27	LYS	Peptide
1	1I	29	TYR	Sidechain
1	1I	30	PHE	Mainchain,Sidechain
1	1I	34	ALA	Mainchain
1	1I	35	THR	Mainchain
1	1I	36	THR	Mainchain
1	1I	37	ALA	Mainchain
1	1I	38	PRO	Mainchain
1	1I	39	GLN	Mainchain,Sidechain
1	1I	41	ILE	Mainchain,Peptide
1	1I	43	HIS	Mainchain
1	1I	47	VAL	Peptide
1	1I	48	TYR	Sidechain
1	1I	50	ARG	Mainchain
1	1I	52	PHE	Sidechain
1	1I	64	TYR	Mainchain
1	1I	65	PHE	Mainchain,Peptide,Sidechain
1	1I	66	ARG	Mainchain,Sidechain
1	1I	79	THR	Mainchain
1	1I	8	LEU	Peptide

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Mol	Chain	Res	Type	Group
1	1I	80	PHE	Sidechain
1	1I	81	ASN	Sidechain
1	1I	82	ARG	Sidechain
1	1I	84	ARG	Mainchain,Peptide,Sidechain
1	1I	88	GLY	Peptide
1	1I	89	PHE	Mainchain,Peptide,Sidechain
1	1I	9	PHE	Sidechain
1	1I	90	PHE	Sidechain
1	1I	91	PRO	Mainchain
1	1I	92	ASN	Peptide
1	1I	94	THR	Peptide
1	1I	96	ASP	Peptide,Sidechain
1	1I	97	SER	Peptide
2	1J	106	GLY	Mainchain
2	1J	107	PHE	Peptide,Sidechain
2	1J	108	HIS	Peptide
2	1J	15	VAL	Mainchain
2	1J	2	GLU	Mainchain
2	1J	209	LEU	Mainchain
2	1J	215	GLN	Sidechain
2	1J	216	ASN	Mainchain,Sidechain
2	1J	217	PRO	Mainchain
2	1J	22	GLN	Sidechain
2	1J	220	PHE	Sidechain
2	1J	222	GLN	Sidechain
2	1J	224	VAL	Peptide
2	1J	225	ASN	Mainchain
2	1J	226	ILE	Peptide
2	1J	227	TYR	Sidechain
2	1J	228	ASP	Mainchain
2	1J	229	ASN	Sidechain
2	1J	23	HIS	Mainchain,Sidechain
2	1J	25	SER	Peptide
2	1J	28	THR	Mainchain
2	1J	29	MET	Mainchain
2	1J	30	PRO	Mainchain,Peptide
2	1J	31	PHE	Mainchain,Sidechain
2	1J	35	PHE	Mainchain,Sidechain
2	1J	36	SER	Mainchain
2	1J	37	ASN	Mainchain
2	1J	38	VAL	Mainchain
2	1J	39	ASP	Mainchain

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Mol	Chain	Res	Type	Group
2	1J	4	GLU	Mainchain,Peptide
2	1J	40	ASN	Sidechain
2	1J	41	PHE	Mainchain,Peptide,Sidechain
2	1J	44	MET	Mainchain
2	1J	46	TYR	Mainchain,Peptide,Sidechain
2	1J	47	ASP	Sidechain
2	1J	50	THR	Mainchain
2	1J	52	ASP	Peptide
2	1J	54	ASN	Mainchain,Sidechain
2	1J	55	PRO	Mainchain
2	1J	56	SER	Mainchain
2	1J	57	LYS	Mainchain,Peptide
2	1J	59	VAL	Mainchain
2	1J	67	THR	Mainchain
2	1J	70	TRP	Mainchain
2	1J	71	ALA	Peptide
2	1J	72	ARG	Peptide,Sidechain
2	1J	73	GLY	Mainchain
2	1J	74	TYR	Peptide,Sidechain
2	1J	75	GLN	Peptide
2	1J	77	THR	Mainchain
2	1J	78	HIS	Sidechain
2	1J	8	VAL	Mainchain,Peptide
2	1J	9	VAL	Mainchain
2	1J	91[B]	LYS	Mainchain
4	1L	27	PHE	Sidechain
1	1M	1	ASP	Mainchain
1	1M	13	ALA	Mainchain
1	1M	14	ASP	Mainchain
1	1M	146	ASN	Sidechain
1	1M	147	ARG	Sidechain
1	1M	149	THR	Mainchain,Peptide
1	1M	150	TYR	Mainchain,Sidechain
1	1M	152	SER	Mainchain
1	1M	154	SER	Mainchain
1	1M	155	PRO	Mainchain,Peptide
1	1M	156	SER	Mainchain
1	1M	16	THR	Mainchain,Peptide
1	1M	166	MET	Mainchain
1	1M	167	GLY	Mainchain,Peptide
1	1M	169	ASP	Mainchain
1	1M	17	THR	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
1	1M	170	ALA	Peptide
1	1M	171	ARG	Mainchain
1	1M	172	PHE	Mainchain,Sidechain
1	1M	179	VAL	Mainchain
1	1M	180	VAL	Mainchain
1	1M	182	PHE	Sidechain
1	1M	20	GLU	Mainchain
1	1M	21	ASN	Peptide
1	1M	22	HIS	Sidechain
1	1M	23	GLY	Mainchain
1	1M	24	VAL	Mainchain
1	1M	25	ASP	Peptide
1	1M	26	ALA	Mainchain,Peptide
1	1M	27	LYS	Peptide
1	1M	29	TYR	Sidechain
1	1M	30	PHE	Mainchain,Sidechain
1	1M	34	ALA	Mainchain
1	1M	35	THR	Mainchain
1	1M	36	THR	Mainchain
1	1M	37	ALA	Mainchain
1	1M	38	PRO	Mainchain
1	1M	39	GLN	Mainchain,Sidechain
1	1M	41	ILE	Mainchain,Peptide
1	1M	43	HIS	Mainchain
1	1M	47	VAL	Peptide
1	1M	48	TYR	Sidechain
1	1M	50	ARG	Mainchain
1	1M	52	PHE	Sidechain
1	1M	64	TYR	Mainchain
1	1M	65	PHE	Mainchain,Peptide,Sidechain
1	1M	66	ARG	Mainchain,Sidechain
1	1M	79	THR	Mainchain
1	1M	8	LEU	Peptide
1	1M	80	PHE	Sidechain
1	1M	81	ASN	Sidechain
1	1M	82	ARG	Sidechain
1	1M	84	ARG	Mainchain,Peptide,Sidechain
1	1M	88	GLY	Peptide
1	1M	89	PHE	Mainchain,Peptide,Sidechain
1	1M	9	PHE	Sidechain
1	1M	90	PHE	Sidechain
1	1M	91	PRO	Mainchain

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Mol	Chain	Res	Type	Group
1	1M	92	ASN	Peptide
1	1M	94	THR	Peptide
1	1M	96	ASP	Peptide,Sidechain
1	1M	97	SER	Peptide
2	1N	106	GLY	Mainchain
2	1N	107	PHE	Peptide,Sidechain
2	1N	108	HIS	Peptide
2	1N	15	VAL	Mainchain
2	1N	2	GLU	Mainchain
2	1N	209	LEU	Mainchain
2	1N	215	GLN	Sidechain
2	1N	216	ASN	Mainchain,Sidechain
2	1N	217	PRO	Mainchain
2	1N	22	GLN	Sidechain
2	1N	220	PHE	Sidechain
2	1N	222	GLN	Sidechain
2	1N	224	VAL	Peptide
2	1N	225	ASN	Mainchain
2	1N	226	ILE	Peptide
2	1N	227	TYR	Sidechain
2	1N	228	ASP	Mainchain
2	1N	229	ASN	Sidechain
2	1N	23	HIS	Mainchain,Sidechain
2	1N	25	SER	Peptide
2	1N	28	THR	Mainchain
2	1N	29	MET	Mainchain
2	1N	30	PRO	Mainchain,Peptide
2	1N	31	PHE	Mainchain,Sidechain
2	1N	35	PHE	Mainchain,Sidechain
2	1N	36	SER	Mainchain
2	1N	37	ASN	Mainchain
2	1N	38	VAL	Mainchain
2	1N	39	ASP	Mainchain
2	1N	4	GLU	Mainchain,Peptide
2	1N	40	ASN	Sidechain
2	1N	41	PHE	Mainchain,Peptide,Sidechain
2	1N	44	MET	Mainchain
2	1N	46	TYR	Mainchain,Peptide,Sidechain
2	1N	47	ASP	Sidechain
2	1N	50	THR	Mainchain
2	1N	52	ASP	Peptide
2	1N	54	ASN	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
2	1N	55	PRO	Mainchain
2	1N	56	SER	Mainchain
2	1N	57	LYS	Mainchain,Peptide
2	1N	59	VAL	Mainchain
2	1N	67	THR	Mainchain
2	1N	70	TRP	Mainchain
2	1N	71	ALA	Peptide
2	1N	72	ARG	Peptide,Sidechain
2	1N	73	GLY	Mainchain
2	1N	74	TYR	Peptide,Sidechain
2	1N	75	GLN	Peptide
2	1N	77	THR	Mainchain
2	1N	78	HIS	Sidechain
2	1N	8	VAL	Mainchain,Peptide
2	1N	9	VAL	Mainchain
2	1N	91[B]	LYS	Mainchain
4	1P	27	PHE	Sidechain
1	1Q	1	ASP	Mainchain
1	1Q	13	ALA	Mainchain
1	1Q	14	ASP	Mainchain
1	1Q	146	ASN	Sidechain
1	1Q	147	ARG	Sidechain
1	1Q	149	THR	Mainchain,Peptide
1	1Q	150	TYR	Mainchain,Sidechain
1	1Q	152	SER	Mainchain
1	1Q	154	SER	Mainchain
1	1Q	155	PRO	Mainchain,Peptide
1	1Q	156	SER	Mainchain
1	1Q	16	THR	Mainchain,Peptide
1	1Q	166	MET	Mainchain
1	1Q	167	GLY	Mainchain,Peptide
1	1Q	169	ASP	Mainchain
1	1Q	17	THR	Mainchain,Peptide
1	1Q	170	ALA	Peptide
1	1Q	171	ARG	Mainchain
1	1Q	172	PHE	Mainchain,Sidechain
1	1Q	179	VAL	Mainchain
1	1Q	180	VAL	Mainchain
1	1Q	182	PHE	Sidechain
1	1Q	20	GLU	Mainchain
1	1Q	21	ASN	Peptide
1	1Q	22	HIS	Sidechain

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Mol	Chain	Res	Type	Group
1	1Q	23	GLY	Mainchain
1	1Q	24	VAL	Mainchain
1	1Q	25	ASP	Peptide
1	1Q	26	ALA	Mainchain,Peptide
1	1Q	27	LYS	Peptide
1	1Q	29	TYR	Sidechain
1	1Q	30	PHE	Mainchain,Sidechain
1	1Q	34	ALA	Mainchain
1	1Q	35	THR	Mainchain
1	1Q	36	THR	Mainchain
1	1Q	37	ALA	Mainchain
1	1Q	38	PRO	Mainchain
1	1Q	39	GLN	Mainchain,Sidechain
1	1Q	41	ILE	Mainchain,Peptide
1	1Q	43	HIS	Mainchain
1	1Q	47	VAL	Peptide
1	1Q	48	TYR	Sidechain
1	1Q	50	ARG	Mainchain
1	1Q	52	PHE	Sidechain
1	1Q	64	TYR	Mainchain
1	1Q	65	PHE	Mainchain,Peptide,Sidechain
1	1Q	66	ARG	Mainchain,Sidechain
1	1Q	79	THR	Mainchain
1	1Q	8	LEU	Peptide
1	1Q	80	PHE	Sidechain
1	1Q	81	ASN	Sidechain
1	1Q	82	ARG	Sidechain
1	1Q	84	ARG	Mainchain,Peptide,Sidechain
1	1Q	88	GLY	Peptide
1	1Q	89	PHE	Mainchain,Peptide,Sidechain
1	1Q	9	PHE	Sidechain
1	1Q	90	PHE	Sidechain
1	1Q	91	PRO	Mainchain
1	1Q	92	ASN	Peptide
1	1Q	94	THR	Peptide
1	1Q	96	ASP	Peptide,Sidechain
1	1Q	97	SER	Peptide
2	1R	106	GLY	Mainchain
2	1R	107	PHE	Peptide,Sidechain
2	1R	108	HIS	Peptide
2	1R	15	VAL	Mainchain
2	1R	2	GLU	Mainchain

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Mol	Chain	Res	Type	Group
2	1R	209	LEU	Mainchain
2	1R	215	GLN	Sidechain
2	1R	216	ASN	Mainchain,Sidechain
2	1R	217	PRO	Mainchain
2	1R	22	GLN	Sidechain
2	1R	220	PHE	Sidechain
2	1R	222	GLN	Sidechain
2	1R	224	VAL	Peptide
2	1R	225	ASN	Mainchain
2	1R	226	ILE	Peptide
2	1R	227	TYR	Sidechain
2	1R	228	ASP	Mainchain
2	1R	229	ASN	Sidechain
2	1R	23	HIS	Mainchain,Sidechain
2	1R	25	SER	Peptide
2	1R	28	THR	Mainchain
2	1R	29	MET	Mainchain
2	1R	30	PRO	Mainchain,Peptide
2	1R	31	PHE	Mainchain,Sidechain
2	1R	35	PHE	Mainchain,Sidechain
2	1R	36	SER	Mainchain
2	1R	37	ASN	Mainchain
2	1R	38	VAL	Mainchain
2	1R	39	ASP	Mainchain
2	1R	4	GLU	Mainchain,Peptide
2	1R	40	ASN	Sidechain
2	1R	41	PHE	Mainchain,Peptide,Sidechain
2	1R	44	MET	Mainchain
2	1R	46	TYR	Mainchain,Peptide,Sidechain
2	1R	47	ASP	Sidechain
2	1R	50	THR	Mainchain
2	1R	52	ASP	Peptide
2	1R	54	ASN	Mainchain,Sidechain
2	1R	55	PRO	Mainchain
2	1R	56	SER	Mainchain
2	1R	57	LYS	Mainchain,Peptide
2	1R	59	VAL	Mainchain
2	1R	67	THR	Mainchain
2	1R	70	TRP	Mainchain
2	1R	71	ALA	Peptide
2	1R	72	ARG	Peptide,Sidechain
2	1R	73	GLY	Mainchain

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Mol	Chain	Res	Type	Group
2	1R	74	TYR	Peptide,Sidechain
2	1R	75	GLN	Peptide
2	1R	77	THR	Mainchain
2	1R	78	HIS	Sidechain
2	1R	8	VAL	Mainchain,Peptide
2	1R	9	VAL	Mainchain
2	1R	91[B]	LYS	Mainchain
4	1T	27	PHE	Sidechain
1	1U	1	ASP	Mainchain
1	1U	13	ALA	Mainchain
1	1U	14	ASP	Mainchain
1	1U	146	ASN	Sidechain
1	1U	147	ARG	Sidechain
1	1U	149	THR	Mainchain,Peptide
1	1U	150	TYR	Mainchain,Sidechain
1	1U	152	SER	Mainchain
1	1U	154	SER	Mainchain
1	1U	155	PRO	Mainchain,Peptide
1	1U	156	SER	Mainchain
1	1U	16	THR	Mainchain,Peptide
1	1U	166	MET	Mainchain
1	1U	167	GLY	Mainchain,Peptide
1	1U	169	ASP	Mainchain
1	1U	17	THR	Mainchain,Peptide
1	1U	170	ALA	Peptide
1	1U	171	ARG	Mainchain
1	1U	172	PHE	Mainchain,Sidechain
1	1U	179	VAL	Mainchain
1	1U	180	VAL	Mainchain
1	1U	182	PHE	Sidechain
1	1U	20	GLU	Mainchain
1	1U	21	ASN	Peptide
1	1U	22	HIS	Sidechain
1	1U	23	GLY	Mainchain
1	1U	24	VAL	Mainchain
1	1U	25	ASP	Peptide
1	1U	26	ALA	Mainchain,Peptide
1	1U	27	LYS	Peptide
1	1U	29	TYR	Sidechain
1	1U	30	PHE	Mainchain,Sidechain
1	1U	34	ALA	Mainchain
1	1U	35	THR	Mainchain

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Mol	Chain	Res	Type	Group
1	1U	36	THR	Mainchain
1	1U	37	ALA	Mainchain
1	1U	38	PRO	Mainchain
1	1U	39	GLN	Mainchain,Sidechain
1	1U	41	ILE	Mainchain,Peptide
1	1U	43	HIS	Mainchain
1	1U	47	VAL	Peptide
1	1U	48	TYR	Sidechain
1	1U	50	ARG	Mainchain
1	1U	52	PHE	Sidechain
1	1U	64	TYR	Mainchain
1	1U	65	PHE	Mainchain,Peptide,Sidechain
1	1U	66	ARG	Mainchain,Sidechain
1	1U	79	THR	Mainchain
1	1U	8	LEU	Peptide
1	1U	80	PHE	Sidechain
1	1U	81	ASN	Sidechain
1	1U	82	ARG	Sidechain
1	1U	84	ARG	Mainchain,Peptide,Sidechain
1	1U	88	GLY	Peptide
1	1U	89	PHE	Mainchain,Peptide,Sidechain
1	1U	9	PHE	Sidechain
1	1U	90	PHE	Sidechain
1	1U	91	PRO	Mainchain
1	1U	92	ASN	Peptide
1	1U	94	THR	Peptide
1	1U	96	ASP	Peptide,Sidechain
1	1U	97	SER	Peptide
2	1V	106	GLY	Mainchain
2	1V	107	PHE	Peptide,Sidechain
2	1V	108	HIS	Peptide
2	1V	15	VAL	Mainchain
2	1V	2	GLU	Mainchain
2	1V	209	LEU	Mainchain
2	1V	215	GLN	Sidechain
2	1V	216	ASN	Mainchain,Sidechain
2	1V	217	PRO	Mainchain
2	1V	22	GLN	Sidechain
2	1V	220	PHE	Sidechain
2	1V	222	GLN	Sidechain
2	1V	224	VAL	Peptide
2	1V	225	ASN	Mainchain

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Mol	Chain	Res	Type	Group
2	1V	226	ILE	Peptide
2	1V	227	TYR	Sidechain
2	1V	228	ASP	Mainchain
2	1V	229	ASN	Sidechain
2	1V	23	HIS	Mainchain,Sidechain
2	1V	25	SER	Peptide
2	1V	28	THR	Mainchain
2	1V	29	MET	Mainchain
2	1V	30	PRO	Mainchain,Peptide
2	1V	31	PHE	Mainchain,Sidechain
2	1V	35	PHE	Mainchain,Sidechain
2	1V	36	SER	Mainchain
2	1V	37	ASN	Mainchain
2	1V	38	VAL	Mainchain
2	1V	39	ASP	Mainchain
2	1V	4	GLU	Mainchain,Peptide
2	1V	40	ASN	Sidechain
2	1V	41	PHE	Mainchain,Peptide,Sidechain
2	1V	44	MET	Mainchain
2	1V	46	TYR	Mainchain,Peptide,Sidechain
2	1V	47	ASP	Sidechain
2	1V	50	THR	Mainchain
2	1V	52	ASP	Peptide
2	1V	54	ASN	Mainchain,Sidechain
2	1V	55	PRO	Mainchain
2	1V	56	SER	Mainchain
2	1V	57	LYS	Mainchain,Peptide
2	1V	59	VAL	Mainchain
2	1V	67	THR	Mainchain
2	1V	70	TRP	Mainchain
2	1V	71	ALA	Peptide
2	1V	72	ARG	Peptide,Sidechain
2	1V	73	GLY	Mainchain
2	1V	74	TYR	Peptide,Sidechain
2	1V	75	GLN	Peptide
2	1V	77	THR	Mainchain
2	1V	78	HIS	Sidechain
2	1V	8	VAL	Mainchain,Peptide
2	1V	9	VAL	Mainchain
2	1V	91[B]	LYS	Mainchain
4	1X	27	PHE	Sidechain
1	1Y	1	ASP	Mainchain

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Mol	Chain	Res	Type	Group
1	1Y	13	ALA	Mainchain
1	1Y	14	ASP	Mainchain
1	1Y	146	ASN	Sidechain
1	1Y	147	ARG	Sidechain
1	1Y	149	THR	Mainchain,Peptide
1	1Y	150	TYR	Mainchain,Sidechain
1	1Y	152	SER	Mainchain
1	1Y	154	SER	Mainchain
1	1Y	155	PRO	Mainchain,Peptide
1	1Y	156	SER	Mainchain
1	1Y	16	THR	Mainchain,Peptide
1	1Y	166	MET	Mainchain
1	1Y	167	GLY	Mainchain,Peptide
1	1Y	169	ASP	Mainchain
1	1Y	17	THR	Mainchain,Peptide
1	1Y	170	ALA	Peptide
1	1Y	171	ARG	Mainchain
1	1Y	172	PHE	Mainchain,Sidechain
1	1Y	179	VAL	Mainchain
1	1Y	180	VAL	Mainchain
1	1Y	182	PHE	Sidechain
1	1Y	20	GLU	Mainchain
1	1Y	21	ASN	Peptide
1	1Y	22	HIS	Sidechain
1	1Y	23	GLY	Mainchain
1	1Y	24	VAL	Mainchain
1	1Y	25	ASP	Peptide
1	1Y	26	ALA	Mainchain,Peptide
1	1Y	27	LYS	Peptide
1	1Y	29	TYR	Sidechain
1	1Y	30	PHE	Mainchain,Sidechain
1	1Y	34	ALA	Mainchain
1	1Y	35	THR	Mainchain
1	1Y	36	THR	Mainchain
1	1Y	37	ALA	Mainchain
1	1Y	38	PRO	Mainchain
1	1Y	39	GLN	Mainchain,Sidechain
1	1Y	41	ILE	Mainchain,Peptide
1	1Y	43	HIS	Mainchain
1	1Y	47	VAL	Peptide
1	1Y	48	TYR	Sidechain
1	1Y	50	ARG	Mainchain

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Mol	Chain	Res	Type	Group
1	1Y	52	PHE	Sidechain
1	1Y	64	TYR	Mainchain
1	1Y	65	PHE	Mainchain,Peptide,Sidechain
1	1Y	66	ARG	Mainchain,Sidechain
1	1Y	79	THR	Mainchain
1	1Y	8	LEU	Peptide
1	1Y	80	PHE	Sidechain
1	1Y	81	ASN	Sidechain
1	1Y	82	ARG	Sidechain
1	1Y	84	ARG	Mainchain,Peptide,Sidechain
1	1Y	88	GLY	Peptide
1	1Y	89	PHE	Mainchain,Peptide,Sidechain
1	1Y	9	PHE	Sidechain
1	1Y	90	PHE	Sidechain
1	1Y	91	PRO	Mainchain
1	1Y	92	ASN	Peptide
1	1Y	94	THR	Peptide
1	1Y	96	ASP	Peptide,Sidechain
1	1Y	97	SER	Peptide
2	1Z	106	GLY	Mainchain
2	1Z	107	PHE	Peptide,Sidechain
2	1Z	108	HIS	Peptide
2	1Z	15	VAL	Mainchain
2	1Z	2	GLU	Mainchain
2	1Z	209	LEU	Mainchain
2	1Z	215	GLN	Sidechain
2	1Z	216	ASN	Mainchain,Sidechain
2	1Z	217	PRO	Mainchain
2	1Z	22	GLN	Sidechain
2	1Z	220	PHE	Sidechain
2	1Z	222	GLN	Sidechain
2	1Z	224	VAL	Peptide
2	1Z	225	ASN	Mainchain
2	1Z	226	ILE	Peptide
2	1Z	227	TYR	Sidechain
2	1Z	228	ASP	Mainchain
2	1Z	229	ASN	Sidechain
2	1Z	23	HIS	Mainchain,Sidechain
2	1Z	25	SER	Peptide
2	1Z	28	THR	Mainchain
2	1Z	29	MET	Mainchain
2	1Z	30	PRO	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
2	1Z	31	PHE	Mainchain,Sidechain
2	1Z	35	PHE	Mainchain,Sidechain
2	1Z	36	SER	Mainchain
2	1Z	37	ASN	Mainchain
2	1Z	38	VAL	Mainchain
2	1Z	39	ASP	Mainchain
2	1Z	4	GLU	Mainchain,Peptide
2	1Z	40	ASN	Sidechain
2	1Z	41	PHE	Mainchain,Peptide,Sidechain
2	1Z	44	MET	Mainchain
2	1Z	46	TYR	Mainchain,Peptide,Sidechain
2	1Z	47	ASP	Sidechain
2	1Z	50	THR	Mainchain
2	1Z	52	ASP	Peptide
2	1Z	54	ASN	Mainchain,Sidechain
2	1Z	55	PRO	Mainchain
2	1Z	56	SER	Mainchain
2	1Z	57	LYS	Mainchain,Peptide
2	1Z	59	VAL	Mainchain
2	1Z	67	THR	Mainchain
2	1Z	70	TRP	Mainchain
2	1Z	71	ALA	Peptide
2	1Z	72	ARG	Peptide,Sidechain
2	1Z	73	GLY	Mainchain
2	1Z	74	TYR	Peptide,Sidechain
2	1Z	75	GLN	Peptide
2	1Z	77	THR	Mainchain
2	1Z	78	HIS	Sidechain
2	1Z	8	VAL	Mainchain,Peptide
2	1Z	9	VAL	Mainchain
2	1Z	91[B]	LYS	Mainchain
4	21	27	PHE	Sidechain
1	22	1	ASP	Mainchain
1	22	13	ALA	Mainchain
1	22	14	ASP	Mainchain
1	22	146	ASN	Sidechain
1	22	147	ARG	Sidechain
1	22	149	THR	Mainchain,Peptide
1	22	150	TYR	Mainchain,Sidechain
1	22	152	SER	Mainchain
1	22	154	SER	Mainchain
1	22	155	PRO	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
1	22	156	SER	Mainchain
1	22	16	THR	Mainchain,Peptide
1	22	166	MET	Mainchain
1	22	167	GLY	Mainchain,Peptide
1	22	169	ASP	Mainchain
1	22	17	THR	Mainchain,Peptide
1	22	170	ALA	Peptide
1	22	171	ARG	Mainchain
1	22	172	PHE	Mainchain,Sidechain
1	22	179	VAL	Mainchain
1	22	180	VAL	Mainchain
1	22	182	PHE	Sidechain
1	22	20	GLU	Mainchain
1	22	21	ASN	Peptide
1	22	22	HIS	Sidechain
1	22	23	GLY	Mainchain
1	22	24	VAL	Mainchain
1	22	25	ASP	Peptide
1	22	26	ALA	Mainchain,Peptide
1	22	27	LYS	Peptide
1	22	29	TYR	Sidechain
1	22	30	PHE	Mainchain,Sidechain
1	22	34	ALA	Mainchain
1	22	35	THR	Mainchain
1	22	36	THR	Mainchain
1	22	37	ALA	Mainchain
1	22	38	PRO	Mainchain
1	22	39	GLN	Mainchain,Sidechain
1	22	41	ILE	Mainchain,Peptide
1	22	43	HIS	Mainchain
1	22	47	VAL	Peptide
1	22	48	TYR	Sidechain
1	22	50	ARG	Mainchain
1	22	52	PHE	Sidechain
1	22	64	TYR	Mainchain
1	22	65	PHE	Mainchain,Peptide,Sidechain
1	22	66	ARG	Mainchain,Sidechain
1	22	79	THR	Mainchain
1	22	8	LEU	Peptide
1	22	80	PHE	Sidechain
1	22	81	ASN	Sidechain
1	22	82	ARG	Sidechain

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Mol	Chain	Res	Type	Group
1	22	84	ARG	Mainchain,Peptide,Sidechain
1	22	88	GLY	Peptide
1	22	89	PHE	Mainchain,Peptide,Sidechain
1	22	9	PHE	Sidechain
1	22	90	PHE	Sidechain
1	22	91	PRO	Mainchain
1	22	92	ASN	Peptide
1	22	94	THR	Peptide
1	22	96	ASP	Peptide,Sidechain
1	22	97	SER	Peptide
2	23	106	GLY	Mainchain
2	23	107	PHE	Peptide,Sidechain
2	23	108	HIS	Peptide
2	23	15	VAL	Mainchain
2	23	2	GLU	Mainchain
2	23	209	LEU	Mainchain
2	23	215	GLN	Sidechain
2	23	216	ASN	Mainchain,Sidechain
2	23	217	PRO	Mainchain
2	23	22	GLN	Sidechain
2	23	220	PHE	Sidechain
2	23	222	GLN	Sidechain
2	23	224	VAL	Peptide
2	23	225	ASN	Mainchain
2	23	226	ILE	Peptide
2	23	227	TYR	Sidechain
2	23	228	ASP	Mainchain
2	23	229	ASN	Sidechain
2	23	23	HIS	Mainchain,Sidechain
2	23	25	SER	Peptide
2	23	28	THR	Mainchain
2	23	29	MET	Mainchain
2	23	30	PRO	Mainchain,Peptide
2	23	31	PHE	Mainchain,Sidechain
2	23	35	PHE	Mainchain,Sidechain
2	23	36	SER	Mainchain
2	23	37	ASN	Mainchain
2	23	38	VAL	Mainchain
2	23	39	ASP	Mainchain
2	23	4	GLU	Mainchain,Peptide
2	23	40	ASN	Sidechain
2	23	41	PHE	Mainchain,Peptide,Sidechain

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Mol	Chain	Res	Type	Group
2	23	44	MET	Mainchain
2	23	46	TYR	Mainchain,Peptide,Sidechain
2	23	47	ASP	Sidechain
2	23	50	THR	Mainchain
2	23	52	ASP	Peptide
2	23	54	ASN	Mainchain,Sidechain
2	23	55	PRO	Mainchain
2	23	56	SER	Mainchain
2	23	57	LYS	Mainchain,Peptide
2	23	59	VAL	Mainchain
2	23	67	THR	Mainchain
2	23	70	TRP	Mainchain
2	23	71	ALA	Peptide
2	23	72	ARG	Peptide,Sidechain
2	23	73	GLY	Mainchain
2	23	74	TYR	Peptide,Sidechain
2	23	75	GLN	Peptide
2	23	77	THR	Mainchain
2	23	78	HIS	Sidechain
2	23	8	VAL	Mainchain,Peptide
2	23	9	VAL	Mainchain
2	23	91[B]	LYS	Mainchain
4	25	27	PHE	Sidechain
1	26	1	ASP	Mainchain
1	26	13	ALA	Mainchain
1	26	14	ASP	Mainchain
1	26	146	ASN	Sidechain
1	26	147	ARG	Sidechain
1	26	149	THR	Mainchain,Peptide
1	26	150	TYR	Mainchain,Sidechain
1	26	152	SER	Mainchain
1	26	154	SER	Mainchain
1	26	155	PRO	Mainchain,Peptide
1	26	156	SER	Mainchain
1	26	16	THR	Mainchain,Peptide
1	26	166	MET	Mainchain
1	26	167	GLY	Mainchain,Peptide
1	26	169	ASP	Mainchain
1	26	17	THR	Mainchain,Peptide
1	26	170	ALA	Peptide
1	26	171	ARG	Mainchain
1	26	172	PHE	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
1	26	179	VAL	Mainchain
1	26	180	VAL	Mainchain
1	26	182	PHE	Sidechain
1	26	20	GLU	Mainchain
1	26	21	ASN	Peptide
1	26	22	HIS	Sidechain
1	26	23	GLY	Mainchain
1	26	24	VAL	Mainchain
1	26	25	ASP	Peptide
1	26	26	ALA	Mainchain,Peptide
1	26	27	LYS	Peptide
1	26	29	TYR	Sidechain
1	26	30	PHE	Mainchain,Sidechain
1	26	34	ALA	Mainchain
1	26	35	THR	Mainchain
1	26	36	THR	Mainchain
1	26	37	ALA	Mainchain
1	26	38	PRO	Mainchain
1	26	39	GLN	Mainchain,Sidechain
1	26	41	ILE	Mainchain,Peptide
1	26	43	HIS	Mainchain
1	26	47	VAL	Peptide
1	26	48	TYR	Sidechain
1	26	50	ARG	Mainchain
1	26	52	PHE	Sidechain
1	26	64	TYR	Mainchain
1	26	65	PHE	Mainchain,Peptide,Sidechain
1	26	66	ARG	Mainchain,Sidechain
1	26	79	THR	Mainchain
1	26	8	LEU	Peptide
1	26	80	PHE	Sidechain
1	26	81	ASN	Sidechain
1	26	82	ARG	Sidechain
1	26	84	ARG	Mainchain,Peptide,Sidechain
1	26	88	GLY	Peptide
1	26	89	PHE	Mainchain,Peptide,Sidechain
1	26	9	PHE	Sidechain
1	26	90	PHE	Sidechain
1	26	91	PRO	Mainchain
1	26	92	ASN	Peptide
1	26	94	THR	Peptide
1	26	96	ASP	Peptide,Sidechain

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Mol	Chain	Res	Type	Group
1	26	97	SER	Peptide
2	27	106	GLY	Mainchain
2	27	107	PHE	Peptide,Sidechain
2	27	108	HIS	Peptide
2	27	15	VAL	Mainchain
2	27	2	GLU	Mainchain
2	27	209	LEU	Mainchain
2	27	215	GLN	Sidechain
2	27	216	ASN	Mainchain,Sidechain
2	27	217	PRO	Mainchain
2	27	22	GLN	Sidechain
2	27	220	PHE	Sidechain
2	27	222	GLN	Sidechain
2	27	224	VAL	Peptide
2	27	225	ASN	Mainchain
2	27	226	ILE	Peptide
2	27	227	TYR	Sidechain
2	27	228	ASP	Mainchain
2	27	229	ASN	Sidechain
2	27	23	HIS	Mainchain,Sidechain
2	27	25	SER	Peptide
2	27	28	THR	Mainchain
2	27	29	MET	Mainchain
2	27	30	PRO	Mainchain,Peptide
2	27	31	PHE	Mainchain,Sidechain
2	27	35	PHE	Mainchain,Sidechain
2	27	36	SER	Mainchain
2	27	37	ASN	Mainchain
2	27	38	VAL	Mainchain
2	27	39	ASP	Mainchain
2	27	4	GLU	Mainchain,Peptide
2	27	40	ASN	Sidechain
2	27	41	PHE	Mainchain,Peptide,Sidechain
2	27	44	MET	Mainchain
2	27	46	TYR	Mainchain,Peptide,Sidechain
2	27	47	ASP	Sidechain
2	27	50	THR	Mainchain
2	27	52	ASP	Peptide
2	27	54	ASN	Mainchain,Sidechain
2	27	55	PRO	Mainchain
2	27	56	SER	Mainchain
2	27	57	LYS	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
2	27	59	VAL	Mainchain
2	27	67	THR	Mainchain
2	27	70	TRP	Mainchain
2	27	71	ALA	Peptide
2	27	72	ARG	Peptide,Sidechain
2	27	73	GLY	Mainchain
2	27	74	TYR	Peptide,Sidechain
2	27	75	GLN	Peptide
2	27	77	THR	Mainchain
2	27	78	HIS	Sidechain
2	27	8	VAL	Mainchain,Peptide
2	27	9	VAL	Mainchain
2	27	91[B]	LYS	Mainchain
4	29	27	PHE	Sidechain
1	2A	1	ASP	Mainchain
1	2A	13	ALA	Mainchain
1	2A	14	ASP	Mainchain
1	2A	146	ASN	Sidechain
1	2A	147	ARG	Sidechain
1	2A	149	THR	Mainchain,Peptide
1	2A	150	TYR	Mainchain,Sidechain
1	2A	152	SER	Mainchain
1	2A	154	SER	Mainchain
1	2A	155	PRO	Mainchain,Peptide
1	2A	156	SER	Mainchain
1	2A	16	THR	Mainchain,Peptide
1	2A	166	MET	Mainchain
1	2A	167	GLY	Mainchain,Peptide
1	2A	169	ASP	Mainchain
1	2A	17	THR	Mainchain,Peptide
1	2A	170	ALA	Peptide
1	2A	171	ARG	Mainchain
1	2A	172	PHE	Mainchain,Sidechain
1	2A	179	VAL	Mainchain
1	2A	180	VAL	Mainchain
1	2A	182	PHE	Sidechain
1	2A	20	GLU	Mainchain
1	2A	21	ASN	Peptide
1	2A	22	HIS	Sidechain
1	2A	23	GLY	Mainchain
1	2A	24	VAL	Mainchain
1	2A	25	ASP	Peptide

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Mol	Chain	Res	Type	Group
1	2A	26	ALA	Mainchain,Peptide
1	2A	27	LYS	Peptide
1	2A	29	TYR	Sidechain
1	2A	30	PHE	Mainchain,Sidechain
1	2A	34	ALA	Mainchain
1	2A	35	THR	Mainchain
1	2A	36	THR	Mainchain
1	2A	37	ALA	Mainchain
1	2A	38	PRO	Mainchain
1	2A	39	GLN	Mainchain,Sidechain
1	2A	41	ILE	Mainchain,Peptide
1	2A	43	HIS	Mainchain
1	2A	47	VAL	Peptide
1	2A	48	TYR	Sidechain
1	2A	50	ARG	Mainchain
1	2A	52	PHE	Sidechain
1	2A	64	TYR	Mainchain
1	2A	65	PHE	Mainchain,Peptide,Sidechain
1	2A	66	ARG	Mainchain,Sidechain
1	2A	79	THR	Mainchain
1	2A	8	LEU	Peptide
1	2A	80	PHE	Sidechain
1	2A	81	ASN	Sidechain
1	2A	82	ARG	Sidechain
1	2A	84	ARG	Mainchain,Peptide,Sidechain
1	2A	88	GLY	Peptide
1	2A	89	PHE	Mainchain,Peptide,Sidechain
1	2A	9	PHE	Sidechain
1	2A	90	PHE	Sidechain
1	2A	91	PRO	Mainchain
1	2A	92	ASN	Peptide
1	2A	94	THR	Peptide
1	2A	96	ASP	Peptide,Sidechain
1	2A	97	SER	Peptide
2	2B	106	GLY	Mainchain
2	2B	107	PHE	Peptide,Sidechain
2	2B	108	HIS	Peptide
2	2B	15	VAL	Mainchain
2	2B	2	GLU	Mainchain
2	2B	209	LEU	Mainchain
2	2B	215	GLN	Sidechain
2	2B	216	ASN	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
2	2B	217	PRO	Mainchain
2	2B	22	GLN	Sidechain
2	2B	220	PHE	Sidechain
2	2B	222	GLN	Sidechain
2	2B	224	VAL	Peptide
2	2B	225	ASN	Mainchain
2	2B	226	ILE	Peptide
2	2B	227	TYR	Sidechain
2	2B	228	ASP	Mainchain
2	2B	229	ASN	Sidechain
2	2B	23	HIS	Mainchain,Sidechain
2	2B	25	SER	Peptide
2	2B	28	THR	Mainchain
2	2B	29	MET	Mainchain
2	2B	30	PRO	Mainchain,Peptide
2	2B	31	PHE	Mainchain,Sidechain
2	2B	35	PHE	Mainchain,Sidechain
2	2B	36	SER	Mainchain
2	2B	37	ASN	Mainchain
2	2B	38	VAL	Mainchain
2	2B	39	ASP	Mainchain
2	2B	4	GLU	Mainchain,Peptide
2	2B	40	ASN	Sidechain
2	2B	41	PHE	Mainchain,Peptide,Sidechain
2	2B	44	MET	Mainchain
2	2B	46	TYR	Mainchain,Peptide,Sidechain
2	2B	47	ASP	Sidechain
2	2B	50	THR	Mainchain
2	2B	52	ASP	Peptide
2	2B	54	ASN	Mainchain,Sidechain
2	2B	55	PRO	Mainchain
2	2B	56	SER	Mainchain
2	2B	57	LYS	Mainchain,Peptide
2	2B	59	VAL	Mainchain
2	2B	67	THR	Mainchain
2	2B	70	TRP	Mainchain
2	2B	71	ALA	Peptide
2	2B	72	ARG	Peptide,Sidechain
2	2B	73	GLY	Mainchain
2	2B	74	TYR	Peptide,Sidechain
2	2B	75	GLN	Peptide
2	2B	77	THR	Mainchain

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Mol	Chain	Res	Type	Group
2	2B	78	HIS	Sidechain
2	2B	8	VAL	Mainchain,Peptide
2	2B	9	VAL	Mainchain
2	2B	91[B]	LYS	Mainchain
4	2D	27	PHE	Sidechain
1	2E	1	ASP	Mainchain
1	2E	13	ALA	Mainchain
1	2E	14	ASP	Mainchain
1	2E	146	ASN	Sidechain
1	2E	147	ARG	Sidechain
1	2E	149	THR	Mainchain,Peptide
1	2E	150	TYR	Mainchain,Sidechain
1	2E	152	SER	Mainchain
1	2E	154	SER	Mainchain
1	2E	155	PRO	Mainchain,Peptide
1	2E	156	SER	Mainchain
1	2E	16	THR	Mainchain,Peptide
1	2E	166	MET	Mainchain
1	2E	167	GLY	Mainchain,Peptide
1	2E	169	ASP	Mainchain
1	2E	17	THR	Mainchain,Peptide
1	2E	170	ALA	Peptide
1	2E	171	ARG	Mainchain
1	2E	172	PHE	Mainchain,Sidechain
1	2E	179	VAL	Mainchain
1	2E	180	VAL	Mainchain
1	2E	182	PHE	Sidechain
1	2E	20	GLU	Mainchain
1	2E	21	ASN	Peptide
1	2E	22	HIS	Sidechain
1	2E	23	GLY	Mainchain
1	2E	24	VAL	Mainchain
1	2E	25	ASP	Peptide
1	2E	26	ALA	Mainchain,Peptide
1	2E	27	LYS	Peptide
1	2E	29	TYR	Sidechain
1	2E	30	PHE	Mainchain,Sidechain
1	2E	34	ALA	Mainchain
1	2E	35	THR	Mainchain
1	2E	36	THR	Mainchain
1	2E	37	ALA	Mainchain
1	2E	38	PRO	Mainchain

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Mol	Chain	Res	Type	Group
1	2E	39	GLN	Mainchain,Sidechain
1	2E	41	ILE	Mainchain,Peptide
1	2E	43	HIS	Mainchain
1	2E	47	VAL	Peptide
1	2E	48	TYR	Sidechain
1	2E	50	ARG	Mainchain
1	2E	52	PHE	Sidechain
1	2E	64	TYR	Mainchain
1	2E	65	PHE	Mainchain,Peptide,Sidechain
1	2E	66	ARG	Mainchain,Sidechain
1	2E	79	THR	Mainchain
1	2E	8	LEU	Peptide
1	2E	80	PHE	Sidechain
1	2E	81	ASN	Sidechain
1	2E	82	ARG	Sidechain
1	2E	84	ARG	Mainchain,Peptide,Sidechain
1	2E	88	GLY	Peptide
1	2E	89	PHE	Mainchain,Peptide,Sidechain
1	2E	9	PHE	Sidechain
1	2E	90	PHE	Sidechain
1	2E	91	PRO	Mainchain
1	2E	92	ASN	Peptide
1	2E	94	THR	Peptide
1	2E	96	ASP	Peptide,Sidechain
1	2E	97	SER	Peptide
2	2F	106	GLY	Mainchain
2	2F	107	PHE	Peptide,Sidechain
2	2F	108	HIS	Peptide
2	2F	15	VAL	Mainchain
2	2F	2	GLU	Mainchain
2	2F	209	LEU	Mainchain
2	2F	215	GLN	Sidechain
2	2F	216	ASN	Mainchain,Sidechain
2	2F	217	PRO	Mainchain
2	2F	22	GLN	Sidechain
2	2F	220	PHE	Sidechain
2	2F	222	GLN	Sidechain
2	2F	224	VAL	Peptide
2	2F	225	ASN	Mainchain
2	2F	226	ILE	Peptide
2	2F	227	TYR	Sidechain
2	2F	228	ASP	Mainchain

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Mol	Chain	Res	Type	Group
2	2F	229	ASN	Sidechain
2	2F	23	HIS	Mainchain,Sidechain
2	2F	25	SER	Peptide
2	2F	28	THR	Mainchain
2	2F	29	MET	Mainchain
2	2F	30	PRO	Mainchain,Peptide
2	2F	31	PHE	Mainchain,Sidechain
2	2F	35	PHE	Mainchain,Sidechain
2	2F	36	SER	Mainchain
2	2F	37	ASN	Mainchain
2	2F	38	VAL	Mainchain
2	2F	39	ASP	Mainchain
2	2F	4	GLU	Mainchain,Peptide
2	2F	40	ASN	Sidechain
2	2F	41	PHE	Mainchain,Peptide,Sidechain
2	2F	44	MET	Mainchain
2	2F	46	TYR	Mainchain,Peptide,Sidechain
2	2F	47	ASP	Sidechain
2	2F	50	THR	Mainchain
2	2F	52	ASP	Peptide
2	2F	54	ASN	Mainchain,Sidechain
2	2F	55	PRO	Mainchain
2	2F	56	SER	Mainchain
2	2F	57	LYS	Mainchain,Peptide
2	2F	59	VAL	Mainchain
2	2F	67	THR	Mainchain
2	2F	70	TRP	Mainchain
2	2F	71	ALA	Peptide
2	2F	72	ARG	Peptide,Sidechain
2	2F	73	GLY	Mainchain
2	2F	74	TYR	Peptide,Sidechain
2	2F	75	GLN	Peptide
2	2F	77	THR	Mainchain
2	2F	78	HIS	Sidechain
2	2F	8	VAL	Mainchain,Peptide
2	2F	9	VAL	Mainchain
2	2F	91[B]	LYS	Mainchain
4	2H	27	PHE	Sidechain
1	2I	1	ASP	Mainchain
1	2I	13	ALA	Mainchain
1	2I	14	ASP	Mainchain
1	2I	146	ASN	Sidechain

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Mol	Chain	Res	Type	Group
1	2I	147	ARG	Sidechain
1	2I	149	THR	Mainchain,Peptide
1	2I	150	TYR	Mainchain,Sidechain
1	2I	152	SER	Mainchain
1	2I	154	SER	Mainchain
1	2I	155	PRO	Mainchain,Peptide
1	2I	156	SER	Mainchain
1	2I	16	THR	Mainchain,Peptide
1	2I	166	MET	Mainchain
1	2I	167	GLY	Mainchain,Peptide
1	2I	169	ASP	Mainchain
1	2I	17	THR	Mainchain,Peptide
1	2I	170	ALA	Peptide
1	2I	171	ARG	Mainchain
1	2I	172	PHE	Mainchain,Sidechain
1	2I	179	VAL	Mainchain
1	2I	180	VAL	Mainchain
1	2I	182	PHE	Sidechain
1	2I	20	GLU	Mainchain
1	2I	21	ASN	Peptide
1	2I	22	HIS	Sidechain
1	2I	23	GLY	Mainchain
1	2I	24	VAL	Mainchain
1	2I	25	ASP	Peptide
1	2I	26	ALA	Mainchain,Peptide
1	2I	27	LYS	Peptide
1	2I	29	TYR	Sidechain
1	2I	30	PHE	Mainchain,Sidechain
1	2I	34	ALA	Mainchain
1	2I	35	THR	Mainchain
1	2I	36	THR	Mainchain
1	2I	37	ALA	Mainchain
1	2I	38	PRO	Mainchain
1	2I	39	GLN	Mainchain,Sidechain
1	2I	41	ILE	Mainchain,Peptide
1	2I	43	HIS	Mainchain
1	2I	47	VAL	Peptide
1	2I	48	TYR	Sidechain
1	2I	50	ARG	Mainchain
1	2I	52	PHE	Sidechain
1	2I	64	TYR	Mainchain
1	2I	65	PHE	Mainchain,Peptide,Sidechain

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Mol	Chain	Res	Type	Group
1	2I	66	ARG	Mainchain,Sidechain
1	2I	79	THR	Mainchain
1	2I	8	LEU	Peptide
1	2I	80	PHE	Sidechain
1	2I	81	ASN	Sidechain
1	2I	82	ARG	Sidechain
1	2I	84	ARG	Mainchain,Peptide,Sidechain
1	2I	88	GLY	Peptide
1	2I	89	PHE	Mainchain,Peptide,Sidechain
1	2I	9	PHE	Sidechain
1	2I	90	PHE	Sidechain
1	2I	91	PRO	Mainchain
1	2I	92	ASN	Peptide
1	2I	94	THR	Peptide
1	2I	96	ASP	Peptide,Sidechain
1	2I	97	SER	Peptide
2	2J	106	GLY	Mainchain
2	2J	107	PHE	Peptide,Sidechain
2	2J	108	HIS	Peptide
2	2J	15	VAL	Mainchain
2	2J	2	GLU	Mainchain
2	2J	209	LEU	Mainchain
2	2J	215	GLN	Sidechain
2	2J	216	ASN	Mainchain,Sidechain
2	2J	217	PRO	Mainchain
2	2J	22	GLN	Sidechain
2	2J	220	PHE	Sidechain
2	2J	222	GLN	Sidechain
2	2J	224	VAL	Peptide
2	2J	225	ASN	Mainchain
2	2J	226	ILE	Peptide
2	2J	227	TYR	Sidechain
2	2J	228	ASP	Mainchain
2	2J	229	ASN	Sidechain
2	2J	23	HIS	Mainchain,Sidechain
2	2J	25	SER	Peptide
2	2J	28	THR	Mainchain
2	2J	29	MET	Mainchain
2	2J	30	PRO	Mainchain,Peptide
2	2J	31	PHE	Mainchain,Sidechain
2	2J	35	PHE	Mainchain,Sidechain
2	2J	36	SER	Mainchain

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Mol	Chain	Res	Type	Group
2	2J	37	ASN	Mainchain
2	2J	38	VAL	Mainchain
2	2J	39	ASP	Mainchain
2	2J	4	GLU	Mainchain,Peptide
2	2J	40	ASN	Sidechain
2	2J	41	PHE	Mainchain,Peptide,Sidechain
2	2J	44	MET	Mainchain
2	2J	46	TYR	Mainchain,Peptide,Sidechain
2	2J	47	ASP	Sidechain
2	2J	50	THR	Mainchain
2	2J	52	ASP	Peptide
2	2J	54	ASN	Mainchain,Sidechain
2	2J	55	PRO	Mainchain
2	2J	56	SER	Mainchain
2	2J	57	LYS	Mainchain,Peptide
2	2J	59	VAL	Mainchain
2	2J	67	THR	Mainchain
2	2J	70	TRP	Mainchain
2	2J	71	ALA	Peptide
2	2J	72	ARG	Peptide,Sidechain
2	2J	73	GLY	Mainchain
2	2J	74	TYR	Peptide,Sidechain
2	2J	75	GLN	Peptide
2	2J	77	THR	Mainchain
2	2J	78	HIS	Sidechain
2	2J	8	VAL	Mainchain,Peptide
2	2J	9	VAL	Mainchain
2	2J	91[B]	LYS	Mainchain
4	2L	27	PHE	Sidechain
1	2M	1	ASP	Mainchain
1	2M	13	ALA	Mainchain
1	2M	14	ASP	Mainchain
1	2M	146	ASN	Sidechain
1	2M	147	ARG	Sidechain
1	2M	149	THR	Mainchain,Peptide
1	2M	150	TYR	Mainchain,Sidechain
1	2M	152	SER	Mainchain
1	2M	154	SER	Mainchain
1	2M	155	PRO	Mainchain,Peptide
1	2M	156	SER	Mainchain
1	2M	16	THR	Mainchain,Peptide
1	2M	166	MET	Mainchain

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Mol	Chain	Res	Type	Group
1	2M	167	GLY	Mainchain,Peptide
1	2M	169	ASP	Mainchain
1	2M	17	THR	Mainchain,Peptide
1	2M	170	ALA	Peptide
1	2M	171	ARG	Mainchain
1	2M	172	PHE	Mainchain,Sidechain
1	2M	179	VAL	Mainchain
1	2M	180	VAL	Mainchain
1	2M	182	PHE	Sidechain
1	2M	20	GLU	Mainchain
1	2M	21	ASN	Peptide
1	2M	22	HIS	Sidechain
1	2M	23	GLY	Mainchain
1	2M	24	VAL	Mainchain
1	2M	25	ASP	Peptide
1	2M	26	ALA	Mainchain,Peptide
1	2M	27	LYS	Peptide
1	2M	29	TYR	Sidechain
1	2M	30	PHE	Mainchain,Sidechain
1	2M	34	ALA	Mainchain
1	2M	35	THR	Mainchain
1	2M	36	THR	Mainchain
1	2M	37	ALA	Mainchain
1	2M	38	PRO	Mainchain
1	2M	39	GLN	Mainchain,Sidechain
1	2M	41	ILE	Mainchain,Peptide
1	2M	43	HIS	Mainchain
1	2M	47	VAL	Peptide
1	2M	48	TYR	Sidechain
1	2M	50	ARG	Mainchain
1	2M	52	PHE	Sidechain
1	2M	64	TYR	Mainchain
1	2M	65	PHE	Mainchain,Peptide,Sidechain
1	2M	66	ARG	Mainchain,Sidechain
1	2M	79	THR	Mainchain
1	2M	8	LEU	Peptide
1	2M	80	PHE	Sidechain
1	2M	81	ASN	Sidechain
1	2M	82	ARG	Sidechain
1	2M	84	ARG	Mainchain,Peptide,Sidechain
1	2M	88	GLY	Peptide
1	2M	89	PHE	Mainchain,Peptide,Sidechain

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Mol	Chain	Res	Type	Group
1	2M	9	PHE	Sidechain
1	2M	90	PHE	Sidechain
1	2M	91	PRO	Mainchain
1	2M	92	ASN	Peptide
1	2M	94	THR	Peptide
1	2M	96	ASP	Peptide,Sidechain
1	2M	97	SER	Peptide
2	2N	106	GLY	Mainchain
2	2N	107	PHE	Peptide,Sidechain
2	2N	108	HIS	Peptide
2	2N	15	VAL	Mainchain
2	2N	2	GLU	Mainchain
2	2N	209	LEU	Mainchain
2	2N	215	GLN	Sidechain
2	2N	216	ASN	Mainchain,Sidechain
2	2N	217	PRO	Mainchain
2	2N	22	GLN	Sidechain
2	2N	220	PHE	Sidechain
2	2N	222	GLN	Sidechain
2	2N	224	VAL	Peptide
2	2N	225	ASN	Mainchain
2	2N	226	ILE	Peptide
2	2N	227	TYR	Sidechain
2	2N	228	ASP	Mainchain
2	2N	229	ASN	Sidechain
2	2N	23	HIS	Mainchain,Sidechain
2	2N	25	SER	Peptide
2	2N	28	THR	Mainchain
2	2N	29	MET	Mainchain
2	2N	30	PRO	Mainchain,Peptide
2	2N	31	PHE	Mainchain,Sidechain
2	2N	35	PHE	Mainchain,Sidechain
2	2N	36	SER	Mainchain
2	2N	37	ASN	Mainchain
2	2N	38	VAL	Mainchain
2	2N	39	ASP	Mainchain
2	2N	4	GLU	Mainchain,Peptide
2	2N	40	ASN	Sidechain
2	2N	41	PHE	Mainchain,Peptide,Sidechain
2	2N	44	MET	Mainchain
2	2N	46	TYR	Mainchain,Peptide,Sidechain
2	2N	47	ASP	Sidechain

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Mol	Chain	Res	Type	Group
2	2N	50	THR	Mainchain
2	2N	52	ASP	Peptide
2	2N	54	ASN	Mainchain,Sidechain
2	2N	55	PRO	Mainchain
2	2N	56	SER	Mainchain
2	2N	57	LYS	Mainchain,Peptide
2	2N	59	VAL	Mainchain
2	2N	67	THR	Mainchain
2	2N	70	TRP	Mainchain
2	2N	71	ALA	Peptide
2	2N	72	ARG	Peptide,Sidechain
2	2N	73	GLY	Mainchain
2	2N	74	TYR	Peptide,Sidechain
2	2N	75	GLN	Peptide
2	2N	77	THR	Mainchain
2	2N	78	HIS	Sidechain
2	2N	8	VAL	Mainchain,Peptide
2	2N	9	VAL	Mainchain
2	2N	91[B]	LYS	Mainchain
4	2P	27	PHE	Sidechain
1	2Q	1	ASP	Mainchain
1	2Q	13	ALA	Mainchain
1	2Q	14	ASP	Mainchain
1	2Q	146	ASN	Sidechain
1	2Q	147	ARG	Sidechain
1	2Q	149	THR	Mainchain,Peptide
1	2Q	150	TYR	Mainchain,Sidechain
1	2Q	152	SER	Mainchain
1	2Q	154	SER	Mainchain
1	2Q	155	PRO	Mainchain,Peptide
1	2Q	156	SER	Mainchain
1	2Q	16	THR	Mainchain,Peptide
1	2Q	166	MET	Mainchain
1	2Q	167	GLY	Mainchain,Peptide
1	2Q	169	ASP	Mainchain
1	2Q	17	THR	Mainchain,Peptide
1	2Q	170	ALA	Peptide
1	2Q	171	ARG	Mainchain
1	2Q	172	PHE	Mainchain,Sidechain
1	2Q	179	VAL	Mainchain
1	2Q	180	VAL	Mainchain
1	2Q	182	PHE	Sidechain

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Mol	Chain	Res	Type	Group
1	2Q	20	GLU	Mainchain
1	2Q	21	ASN	Peptide
1	2Q	22	HIS	Sidechain
1	2Q	23	GLY	Mainchain
1	2Q	24	VAL	Mainchain
1	2Q	25	ASP	Peptide
1	2Q	26	ALA	Mainchain,Peptide
1	2Q	27	LYS	Peptide
1	2Q	29	TYR	Sidechain
1	2Q	30	PHE	Mainchain,Sidechain
1	2Q	34	ALA	Mainchain
1	2Q	35	THR	Mainchain
1	2Q	36	THR	Mainchain
1	2Q	37	ALA	Mainchain
1	2Q	38	PRO	Mainchain
1	2Q	39	GLN	Mainchain,Sidechain
1	2Q	41	ILE	Mainchain,Peptide
1	2Q	43	HIS	Mainchain
1	2Q	47	VAL	Peptide
1	2Q	48	TYR	Sidechain
1	2Q	50	ARG	Mainchain
1	2Q	52	PHE	Sidechain
1	2Q	64	TYR	Mainchain
1	2Q	65	PHE	Mainchain,Peptide,Sidechain
1	2Q	66	ARG	Mainchain,Sidechain
1	2Q	79	THR	Mainchain
1	2Q	8	LEU	Peptide
1	2Q	80	PHE	Sidechain
1	2Q	81	ASN	Sidechain
1	2Q	82	ARG	Sidechain
1	2Q	84	ARG	Mainchain,Peptide,Sidechain
1	2Q	88	GLY	Peptide
1	2Q	89	PHE	Mainchain,Peptide,Sidechain
1	2Q	9	PHE	Sidechain
1	2Q	90	PHE	Sidechain
1	2Q	91	PRO	Mainchain
1	2Q	92	ASN	Peptide
1	2Q	94	THR	Peptide
1	2Q	96	ASP	Peptide,Sidechain
1	2Q	97	SER	Peptide
2	2R	106	GLY	Mainchain
2	2R	107	PHE	Peptide,Sidechain

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Mol	Chain	Res	Type	Group
2	2R	108	HIS	Peptide
2	2R	15	VAL	Mainchain
2	2R	2	GLU	Mainchain
2	2R	209	LEU	Mainchain
2	2R	215	GLN	Sidechain
2	2R	216	ASN	Mainchain,Sidechain
2	2R	217	PRO	Mainchain
2	2R	22	GLN	Sidechain
2	2R	220	PHE	Sidechain
2	2R	222	GLN	Sidechain
2	2R	224	VAL	Peptide
2	2R	225	ASN	Mainchain
2	2R	226	ILE	Peptide
2	2R	227	TYR	Sidechain
2	2R	228	ASP	Mainchain
2	2R	229	ASN	Sidechain
2	2R	23	HIS	Mainchain,Sidechain
2	2R	25	SER	Peptide
2	2R	28	THR	Mainchain
2	2R	29	MET	Mainchain
2	2R	30	PRO	Mainchain,Peptide
2	2R	31	PHE	Mainchain,Sidechain
2	2R	35	PHE	Mainchain,Sidechain
2	2R	36	SER	Mainchain
2	2R	37	ASN	Mainchain
2	2R	38	VAL	Mainchain
2	2R	39	ASP	Mainchain
2	2R	4	GLU	Mainchain,Peptide
2	2R	40	ASN	Sidechain
2	2R	41	PHE	Mainchain,Peptide,Sidechain
2	2R	44	MET	Mainchain
2	2R	46	TYR	Mainchain,Peptide,Sidechain
2	2R	47	ASP	Sidechain
2	2R	50	THR	Mainchain
2	2R	52	ASP	Peptide
2	2R	54	ASN	Mainchain,Sidechain
2	2R	55	PRO	Mainchain
2	2R	56	SER	Mainchain
2	2R	57	LYS	Mainchain,Peptide
2	2R	59	VAL	Mainchain
2	2R	67	THR	Mainchain
2	2R	70	TRP	Mainchain

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Mol	Chain	Res	Type	Group
2	2R	71	ALA	Peptide
2	2R	72	ARG	Peptide,Sidechain
2	2R	73	GLY	Mainchain
2	2R	74	TYR	Peptide,Sidechain
2	2R	75	GLN	Peptide
2	2R	77	THR	Mainchain
2	2R	78	HIS	Sidechain
2	2R	8	VAL	Mainchain,Peptide
2	2R	9	VAL	Mainchain
2	2R	91[B]	LYS	Mainchain
4	2T	27	PHE	Sidechain
1	2U	1	ASP	Mainchain
1	2U	13	ALA	Mainchain
1	2U	14	ASP	Mainchain
1	2U	146	ASN	Sidechain
1	2U	147	ARG	Sidechain
1	2U	149	THR	Mainchain,Peptide
1	2U	150	TYR	Mainchain,Sidechain
1	2U	152	SER	Mainchain
1	2U	154	SER	Mainchain
1	2U	155	PRO	Mainchain,Peptide
1	2U	156	SER	Mainchain
1	2U	16	THR	Mainchain,Peptide
1	2U	166	MET	Mainchain
1	2U	167	GLY	Mainchain,Peptide
1	2U	169	ASP	Mainchain
1	2U	17	THR	Mainchain,Peptide
1	2U	170	ALA	Peptide
1	2U	171	ARG	Mainchain
1	2U	172	PHE	Mainchain,Sidechain
1	2U	179	VAL	Mainchain
1	2U	180	VAL	Mainchain
1	2U	182	PHE	Sidechain
1	2U	20	GLU	Mainchain
1	2U	21	ASN	Peptide
1	2U	22	HIS	Sidechain
1	2U	23	GLY	Mainchain
1	2U	24	VAL	Mainchain
1	2U	25	ASP	Peptide
1	2U	26	ALA	Mainchain,Peptide
1	2U	27	LYS	Peptide
1	2U	29	TYR	Sidechain

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Mol	Chain	Res	Type	Group
1	2U	30	PHE	Mainchain,Sidechain
1	2U	34	ALA	Mainchain
1	2U	35	THR	Mainchain
1	2U	36	THR	Mainchain
1	2U	37	ALA	Mainchain
1	2U	38	PRO	Mainchain
1	2U	39	GLN	Mainchain,Sidechain
1	2U	41	ILE	Mainchain,Peptide
1	2U	43	HIS	Mainchain
1	2U	47	VAL	Peptide
1	2U	48	TYR	Sidechain
1	2U	50	ARG	Mainchain
1	2U	52	PHE	Sidechain
1	2U	64	TYR	Mainchain
1	2U	65	PHE	Mainchain,Peptide,Sidechain
1	2U	66	ARG	Mainchain,Sidechain
1	2U	79	THR	Mainchain
1	2U	8	LEU	Peptide
1	2U	80	PHE	Sidechain
1	2U	81	ASN	Sidechain
1	2U	82	ARG	Sidechain
1	2U	84	ARG	Mainchain,Peptide,Sidechain
1	2U	88	GLY	Peptide
1	2U	89	PHE	Mainchain,Peptide,Sidechain
1	2U	9	PHE	Sidechain
1	2U	90	PHE	Sidechain
1	2U	91	PRO	Mainchain
1	2U	92	ASN	Peptide
1	2U	94	THR	Peptide
1	2U	96	ASP	Peptide,Sidechain
1	2U	97	SER	Peptide
2	2V	106	GLY	Mainchain
2	2V	107	PHE	Peptide,Sidechain
2	2V	108	HIS	Peptide
2	2V	15	VAL	Mainchain
2	2V	2	GLU	Mainchain
2	2V	209	LEU	Mainchain
2	2V	215	GLN	Sidechain
2	2V	216	ASN	Mainchain,Sidechain
2	2V	217	PRO	Mainchain
2	2V	22	GLN	Sidechain
2	2V	220	PHE	Sidechain

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Mol	Chain	Res	Type	Group
2	2V	222	GLN	Sidechain
2	2V	224	VAL	Peptide
2	2V	225	ASN	Mainchain
2	2V	226	ILE	Peptide
2	2V	227	TYR	Sidechain
2	2V	228	ASP	Mainchain
2	2V	229	ASN	Sidechain
2	2V	23	HIS	Mainchain,Sidechain
2	2V	25	SER	Peptide
2	2V	28	THR	Mainchain
2	2V	29	MET	Mainchain
2	2V	30	PRO	Mainchain,Peptide
2	2V	31	PHE	Mainchain,Sidechain
2	2V	35	PHE	Mainchain,Sidechain
2	2V	36	SER	Mainchain
2	2V	37	ASN	Mainchain
2	2V	38	VAL	Mainchain
2	2V	39	ASP	Mainchain
2	2V	4	GLU	Mainchain,Peptide
2	2V	40	ASN	Sidechain
2	2V	41	PHE	Mainchain,Peptide,Sidechain
2	2V	44	MET	Mainchain
2	2V	46	TYR	Mainchain,Peptide,Sidechain
2	2V	47	ASP	Sidechain
2	2V	50	THR	Mainchain
2	2V	52	ASP	Peptide
2	2V	54	ASN	Mainchain,Sidechain
2	2V	55	PRO	Mainchain
2	2V	56	SER	Mainchain
2	2V	57	LYS	Mainchain,Peptide
2	2V	59	VAL	Mainchain
2	2V	67	THR	Mainchain
2	2V	70	TRP	Mainchain
2	2V	71	ALA	Peptide
2	2V	72	ARG	Peptide,Sidechain
2	2V	73	GLY	Mainchain
2	2V	74	TYR	Peptide,Sidechain
2	2V	75	GLN	Peptide
2	2V	77	THR	Mainchain
2	2V	78	HIS	Sidechain
2	2V	8	VAL	Mainchain,Peptide
2	2V	9	VAL	Mainchain

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Mol	Chain	Res	Type	Group
2	2V	91[B]	LYS	Mainchain
4	2X	27	PHE	Sidechain
1	2Y	1	ASP	Mainchain
1	2Y	13	ALA	Mainchain
1	2Y	14	ASP	Mainchain
1	2Y	146	ASN	Sidechain
1	2Y	147	ARG	Sidechain
1	2Y	149	THR	Mainchain,Peptide
1	2Y	150	TYR	Mainchain,Sidechain
1	2Y	152	SER	Mainchain
1	2Y	154	SER	Mainchain
1	2Y	155	PRO	Mainchain,Peptide
1	2Y	156	SER	Mainchain
1	2Y	16	THR	Mainchain,Peptide
1	2Y	166	MET	Mainchain
1	2Y	167	GLY	Mainchain,Peptide
1	2Y	169	ASP	Mainchain
1	2Y	17	THR	Mainchain,Peptide
1	2Y	170	ALA	Peptide
1	2Y	171	ARG	Mainchain
1	2Y	172	PHE	Mainchain,Sidechain
1	2Y	179	VAL	Mainchain
1	2Y	180	VAL	Mainchain
1	2Y	182	PHE	Sidechain
1	2Y	20	GLU	Mainchain
1	2Y	21	ASN	Peptide
1	2Y	22	HIS	Sidechain
1	2Y	23	GLY	Mainchain
1	2Y	24	VAL	Mainchain
1	2Y	25	ASP	Peptide
1	2Y	26	ALA	Mainchain,Peptide
1	2Y	27	LYS	Peptide
1	2Y	29	TYR	Sidechain
1	2Y	30	PHE	Mainchain,Sidechain
1	2Y	34	ALA	Mainchain
1	2Y	35	THR	Mainchain
1	2Y	36	THR	Mainchain
1	2Y	37	ALA	Mainchain
1	2Y	38	PRO	Mainchain
1	2Y	39	GLN	Mainchain,Sidechain
1	2Y	41	ILE	Mainchain,Peptide
1	2Y	43	HIS	Mainchain

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Mol	Chain	Res	Type	Group
1	2Y	47	VAL	Peptide
1	2Y	48	TYR	Sidechain
1	2Y	50	ARG	Mainchain
1	2Y	52	PHE	Sidechain
1	2Y	64	TYR	Mainchain
1	2Y	65	PHE	Mainchain,Peptide,Sidechain
1	2Y	66	ARG	Mainchain,Sidechain
1	2Y	79	THR	Mainchain
1	2Y	8	LEU	Peptide
1	2Y	80	PHE	Sidechain
1	2Y	81	ASN	Sidechain
1	2Y	82	ARG	Sidechain
1	2Y	84	ARG	Mainchain,Peptide,Sidechain
1	2Y	88	GLY	Peptide
1	2Y	89	PHE	Mainchain,Peptide,Sidechain
1	2Y	9	PHE	Sidechain
1	2Y	90	PHE	Sidechain
1	2Y	91	PRO	Mainchain
1	2Y	92	ASN	Peptide
1	2Y	94	THR	Peptide
1	2Y	96	ASP	Peptide,Sidechain
1	2Y	97	SER	Peptide
2	2Z	106	GLY	Mainchain
2	2Z	107	PHE	Peptide,Sidechain
2	2Z	108	HIS	Peptide
2	2Z	15	VAL	Mainchain
2	2Z	2	GLU	Mainchain
2	2Z	209	LEU	Mainchain
2	2Z	215	GLN	Sidechain
2	2Z	216	ASN	Mainchain,Sidechain
2	2Z	217	PRO	Mainchain
2	2Z	22	GLN	Sidechain
2	2Z	220	PHE	Sidechain
2	2Z	222	GLN	Sidechain
2	2Z	224	VAL	Peptide
2	2Z	225	ASN	Mainchain
2	2Z	226	ILE	Peptide
2	2Z	227	TYR	Sidechain
2	2Z	228	ASP	Mainchain
2	2Z	229	ASN	Sidechain
2	2Z	23	HIS	Mainchain,Sidechain
2	2Z	25	SER	Peptide

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Mol	Chain	Res	Type	Group
2	2Z	28	THR	Mainchain
2	2Z	29	MET	Mainchain
2	2Z	30	PRO	Mainchain,Peptide
2	2Z	31	PHE	Mainchain,Sidechain
2	2Z	35	PHE	Mainchain,Sidechain
2	2Z	36	SER	Mainchain
2	2Z	37	ASN	Mainchain
2	2Z	38	VAL	Mainchain
2	2Z	39	ASP	Mainchain
2	2Z	4	GLU	Mainchain,Peptide
2	2Z	40	ASN	Sidechain
2	2Z	41	PHE	Mainchain,Peptide,Sidechain
2	2Z	44	MET	Mainchain
2	2Z	46	TYR	Mainchain,Peptide,Sidechain
2	2Z	47	ASP	Sidechain
2	2Z	50	THR	Mainchain
2	2Z	52	ASP	Peptide
2	2Z	54	ASN	Mainchain,Sidechain
2	2Z	55	PRO	Mainchain
2	2Z	56	SER	Mainchain
2	2Z	57	LYS	Mainchain,Peptide
2	2Z	59	VAL	Mainchain
2	2Z	67	THR	Mainchain
2	2Z	70	TRP	Mainchain
2	2Z	71	ALA	Peptide
2	2Z	72	ARG	Peptide,Sidechain
2	2Z	73	GLY	Mainchain
2	2Z	74	TYR	Peptide,Sidechain
2	2Z	75	GLN	Peptide
2	2Z	77	THR	Mainchain
2	2Z	78	HIS	Sidechain
2	2Z	8	VAL	Mainchain,Peptide
2	2Z	9	VAL	Mainchain
2	2Z	91[B]	LYS	Mainchain
4	31	27	PHE	Sidechain
1	32	1	ASP	Mainchain
1	32	13	ALA	Mainchain
1	32	14	ASP	Mainchain
1	32	146	ASN	Sidechain
1	32	147	ARG	Sidechain
1	32	149	THR	Mainchain,Peptide
1	32	150	TYR	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
1	32	152	SER	Mainchain
1	32	154	SER	Mainchain
1	32	155	PRO	Mainchain,Peptide
1	32	156	SER	Mainchain
1	32	16	THR	Mainchain,Peptide
1	32	166	MET	Mainchain
1	32	167	GLY	Mainchain,Peptide
1	32	169	ASP	Mainchain
1	32	17	THR	Mainchain,Peptide
1	32	170	ALA	Peptide
1	32	171	ARG	Mainchain
1	32	172	PHE	Mainchain,Sidechain
1	32	179	VAL	Mainchain
1	32	180	VAL	Mainchain
1	32	182	PHE	Sidechain
1	32	20	GLU	Mainchain
1	32	21	ASN	Peptide
1	32	22	HIS	Sidechain
1	32	23	GLY	Mainchain
1	32	24	VAL	Mainchain
1	32	25	ASP	Peptide
1	32	26	ALA	Mainchain,Peptide
1	32	27	LYS	Peptide
1	32	29	TYR	Sidechain
1	32	30	PHE	Mainchain,Sidechain
1	32	34	ALA	Mainchain
1	32	35	THR	Mainchain
1	32	36	THR	Mainchain
1	32	37	ALA	Mainchain
1	32	38	PRO	Mainchain
1	32	39	GLN	Mainchain,Sidechain
1	32	41	ILE	Mainchain,Peptide
1	32	43	HIS	Mainchain
1	32	47	VAL	Peptide
1	32	48	TYR	Sidechain
1	32	50	ARG	Mainchain
1	32	52	PHE	Sidechain
1	32	64	TYR	Mainchain
1	32	65	PHE	Mainchain,Peptide,Sidechain
1	32	66	ARG	Mainchain,Sidechain
1	32	79	THR	Mainchain
1	32	8	LEU	Peptide

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Mol	Chain	Res	Type	Group
1	32	80	PHE	Sidechain
1	32	81	ASN	Sidechain
1	32	82	ARG	Sidechain
1	32	84	ARG	Mainchain,Peptide,Sidechain
1	32	88	GLY	Peptide
1	32	89	PHE	Mainchain,Peptide,Sidechain
1	32	9	PHE	Sidechain
1	32	90	PHE	Sidechain
1	32	91	PRO	Mainchain
1	32	92	ASN	Peptide
1	32	94	THR	Peptide
1	32	96	ASP	Peptide,Sidechain
1	32	97	SER	Peptide
2	33	106	GLY	Mainchain
2	33	107	PHE	Peptide,Sidechain
2	33	108	HIS	Peptide
2	33	15	VAL	Mainchain
2	33	2	GLU	Mainchain
2	33	209	LEU	Mainchain
2	33	215	GLN	Sidechain
2	33	216	ASN	Mainchain,Sidechain
2	33	217	PRO	Mainchain
2	33	22	GLN	Sidechain
2	33	220	PHE	Sidechain
2	33	222	GLN	Sidechain
2	33	224	VAL	Peptide
2	33	225	ASN	Mainchain
2	33	226	ILE	Peptide
2	33	227	TYR	Sidechain
2	33	228	ASP	Mainchain
2	33	229	ASN	Sidechain
2	33	23	HIS	Mainchain,Sidechain
2	33	25	SER	Peptide
2	33	28	THR	Mainchain
2	33	29	MET	Mainchain
2	33	30	PRO	Mainchain,Peptide
2	33	31	PHE	Mainchain,Sidechain
2	33	35	PHE	Mainchain,Sidechain
2	33	36	SER	Mainchain
2	33	37	ASN	Mainchain
2	33	38	VAL	Mainchain
2	33	39	ASP	Mainchain

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Mol	Chain	Res	Type	Group
2	33	4	GLU	Mainchain,Peptide
2	33	40	ASN	Sidechain
2	33	41	PHE	Mainchain,Peptide,Sidechain
2	33	44	MET	Mainchain
2	33	46	TYR	Mainchain,Peptide,Sidechain
2	33	47	ASP	Sidechain
2	33	50	THR	Mainchain
2	33	52	ASP	Peptide
2	33	54	ASN	Mainchain,Sidechain
2	33	55	PRO	Mainchain
2	33	56	SER	Mainchain
2	33	57	LYS	Mainchain,Peptide
2	33	59	VAL	Mainchain
2	33	67	THR	Mainchain
2	33	70	TRP	Mainchain
2	33	71	ALA	Peptide
2	33	72	ARG	Peptide,Sidechain
2	33	73	GLY	Mainchain
2	33	74	TYR	Peptide,Sidechain
2	33	75	GLN	Peptide
2	33	77	THR	Mainchain
2	33	78	HIS	Sidechain
2	33	8	VAL	Mainchain,Peptide
2	33	9	VAL	Mainchain
2	33	91[B]	LYS	Mainchain
4	35	27	PHE	Sidechain
1	36	1	ASP	Mainchain
1	36	13	ALA	Mainchain
1	36	14	ASP	Mainchain
1	36	146	ASN	Sidechain
1	36	147	ARG	Sidechain
1	36	149	THR	Mainchain,Peptide
1	36	150	TYR	Mainchain,Sidechain
1	36	152	SER	Mainchain
1	36	154	SER	Mainchain
1	36	155	PRO	Mainchain,Peptide
1	36	156	SER	Mainchain
1	36	16	THR	Mainchain,Peptide
1	36	166	MET	Mainchain
1	36	167	GLY	Mainchain,Peptide
1	36	169	ASP	Mainchain
1	36	17	THR	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
1	36	170	ALA	Peptide
1	36	171	ARG	Mainchain
1	36	172	PHE	Mainchain,Sidechain
1	36	179	VAL	Mainchain
1	36	180	VAL	Mainchain
1	36	182	PHE	Sidechain
1	36	20	GLU	Mainchain
1	36	21	ASN	Peptide
1	36	22	HIS	Sidechain
1	36	23	GLY	Mainchain
1	36	24	VAL	Mainchain
1	36	25	ASP	Peptide
1	36	26	ALA	Mainchain,Peptide
1	36	27	LYS	Peptide
1	36	29	TYR	Sidechain
1	36	30	PHE	Mainchain,Sidechain
1	36	34	ALA	Mainchain
1	36	35	THR	Mainchain
1	36	36	THR	Mainchain
1	36	37	ALA	Mainchain
1	36	38	PRO	Mainchain
1	36	39	GLN	Mainchain,Sidechain
1	36	41	ILE	Mainchain,Peptide
1	36	43	HIS	Mainchain
1	36	47	VAL	Peptide
1	36	48	TYR	Sidechain
1	36	50	ARG	Mainchain
1	36	52	PHE	Sidechain
1	36	64	TYR	Mainchain
1	36	65	PHE	Mainchain,Peptide,Sidechain
1	36	66	ARG	Mainchain,Sidechain
1	36	79	THR	Mainchain
1	36	8	LEU	Peptide
1	36	80	PHE	Sidechain
1	36	81	ASN	Sidechain
1	36	82	ARG	Sidechain
1	36	84	ARG	Mainchain,Peptide,Sidechain
1	36	88	GLY	Peptide
1	36	89	PHE	Mainchain,Peptide,Sidechain
1	36	9	PHE	Sidechain
1	36	90	PHE	Sidechain
1	36	91	PRO	Mainchain

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Mol	Chain	Res	Type	Group
1	36	92	ASN	Peptide
1	36	94	THR	Peptide
1	36	96	ASP	Peptide,Sidechain
1	36	97	SER	Peptide
2	37	106	GLY	Mainchain
2	37	107	PHE	Peptide,Sidechain
2	37	108	HIS	Peptide
2	37	15	VAL	Mainchain
2	37	2	GLU	Mainchain
2	37	209	LEU	Mainchain
2	37	215	GLN	Sidechain
2	37	216	ASN	Mainchain,Sidechain
2	37	217	PRO	Mainchain
2	37	22	GLN	Sidechain
2	37	220	PHE	Sidechain
2	37	222	GLN	Sidechain
2	37	224	VAL	Peptide
2	37	225	ASN	Mainchain
2	37	226	ILE	Peptide
2	37	227	TYR	Sidechain
2	37	228	ASP	Mainchain
2	37	229	ASN	Sidechain
2	37	23	HIS	Mainchain,Sidechain
2	37	25	SER	Peptide
2	37	28	THR	Mainchain
2	37	29	MET	Mainchain
2	37	30	PRO	Mainchain,Peptide
2	37	31	PHE	Mainchain,Sidechain
2	37	35	PHE	Mainchain,Sidechain
2	37	36	SER	Mainchain
2	37	37	ASN	Mainchain
2	37	38	VAL	Mainchain
2	37	39	ASP	Mainchain
2	37	4	GLU	Mainchain,Peptide
2	37	40	ASN	Sidechain
2	37	41	PHE	Mainchain,Peptide,Sidechain
2	37	44	MET	Mainchain
2	37	46	TYR	Mainchain,Peptide,Sidechain
2	37	47	ASP	Sidechain
2	37	50	THR	Mainchain
2	37	52	ASP	Peptide
2	37	54	ASN	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
2	37	55	PRO	Mainchain
2	37	56	SER	Mainchain
2	37	57	LYS	Mainchain,Peptide
2	37	59	VAL	Mainchain
2	37	67	THR	Mainchain
2	37	70	TRP	Mainchain
2	37	71	ALA	Peptide
2	37	72	ARG	Peptide,Sidechain
2	37	73	GLY	Mainchain
2	37	74	TYR	Peptide,Sidechain
2	37	75	GLN	Peptide
2	37	77	THR	Mainchain
2	37	78	HIS	Sidechain
2	37	8	VAL	Mainchain,Peptide
2	37	9	VAL	Mainchain
2	37	91[B]	LYS	Mainchain
4	39	27	PHE	Sidechain
1	3A	1	ASP	Mainchain
1	3A	13	ALA	Mainchain
1	3A	14	ASP	Mainchain
1	3A	146	ASN	Sidechain
1	3A	147	ARG	Sidechain
1	3A	149	THR	Mainchain,Peptide
1	3A	150	TYR	Mainchain,Sidechain
1	3A	152	SER	Mainchain
1	3A	154	SER	Mainchain
1	3A	155	PRO	Mainchain,Peptide
1	3A	156	SER	Mainchain
1	3A	16	THR	Mainchain,Peptide
1	3A	166	MET	Mainchain
1	3A	167	GLY	Mainchain,Peptide
1	3A	169	ASP	Mainchain
1	3A	17	THR	Mainchain,Peptide
1	3A	170	ALA	Peptide
1	3A	171	ARG	Mainchain
1	3A	172	PHE	Mainchain,Sidechain
1	3A	179	VAL	Mainchain
1	3A	180	VAL	Mainchain
1	3A	182	PHE	Sidechain
1	3A	20	GLU	Mainchain
1	3A	21	ASN	Peptide
1	3A	22	HIS	Sidechain

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Mol	Chain	Res	Type	Group
1	3A	23	GLY	Mainchain
1	3A	24	VAL	Mainchain
1	3A	25	ASP	Peptide
1	3A	26	ALA	Mainchain,Peptide
1	3A	27	LYS	Peptide
1	3A	29	TYR	Sidechain
1	3A	30	PHE	Mainchain,Sidechain
1	3A	34	ALA	Mainchain
1	3A	35	THR	Mainchain
1	3A	36	THR	Mainchain
1	3A	37	ALA	Mainchain
1	3A	38	PRO	Mainchain
1	3A	39	GLN	Mainchain,Sidechain
1	3A	41	ILE	Mainchain,Peptide
1	3A	43	HIS	Mainchain
1	3A	47	VAL	Peptide
1	3A	48	TYR	Sidechain
1	3A	50	ARG	Mainchain
1	3A	52	PHE	Sidechain
1	3A	64	TYR	Mainchain
1	3A	65	PHE	Mainchain,Peptide,Sidechain
1	3A	66	ARG	Mainchain,Sidechain
1	3A	79	THR	Mainchain
1	3A	8	LEU	Peptide
1	3A	80	PHE	Sidechain
1	3A	81	ASN	Sidechain
1	3A	82	ARG	Sidechain
1	3A	84	ARG	Mainchain,Peptide,Sidechain
1	3A	88	GLY	Peptide
1	3A	89	PHE	Mainchain,Peptide,Sidechain
1	3A	9	PHE	Sidechain
1	3A	90	PHE	Sidechain
1	3A	91	PRO	Mainchain
1	3A	92	ASN	Peptide
1	3A	94	THR	Peptide
1	3A	96	ASP	Peptide,Sidechain
1	3A	97	SER	Peptide
2	3B	106	GLY	Mainchain
2	3B	107	PHE	Peptide,Sidechain
2	3B	108	HIS	Peptide
2	3B	15	VAL	Mainchain
2	3B	2	GLU	Mainchain

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Mol	Chain	Res	Type	Group
2	3B	209	LEU	Mainchain
2	3B	215	GLN	Sidechain
2	3B	216	ASN	Mainchain,Sidechain
2	3B	217	PRO	Mainchain
2	3B	22	GLN	Sidechain
2	3B	220	PHE	Sidechain
2	3B	222	GLN	Sidechain
2	3B	224	VAL	Peptide
2	3B	225	ASN	Mainchain
2	3B	226	ILE	Peptide
2	3B	227	TYR	Sidechain
2	3B	228	ASP	Mainchain
2	3B	229	ASN	Sidechain
2	3B	23	HIS	Mainchain,Sidechain
2	3B	25	SER	Peptide
2	3B	28	THR	Mainchain
2	3B	29	MET	Mainchain
2	3B	30	PRO	Mainchain,Peptide
2	3B	31	PHE	Mainchain,Sidechain
2	3B	35	PHE	Mainchain,Sidechain
2	3B	36	SER	Mainchain
2	3B	37	ASN	Mainchain
2	3B	38	VAL	Mainchain
2	3B	39	ASP	Mainchain
2	3B	4	GLU	Mainchain,Peptide
2	3B	40	ASN	Sidechain
2	3B	41	PHE	Mainchain,Peptide,Sidechain
2	3B	44	MET	Mainchain
2	3B	46	TYR	Mainchain,Peptide,Sidechain
2	3B	47	ASP	Sidechain
2	3B	50	THR	Mainchain
2	3B	52	ASP	Peptide
2	3B	54	ASN	Mainchain,Sidechain
2	3B	55	PRO	Mainchain
2	3B	56	SER	Mainchain
2	3B	57	LYS	Mainchain,Peptide
2	3B	59	VAL	Mainchain
2	3B	67	THR	Mainchain
2	3B	70	TRP	Mainchain
2	3B	71	ALA	Peptide
2	3B	72	ARG	Peptide,Sidechain
2	3B	73	GLY	Mainchain

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Mol	Chain	Res	Type	Group
2	3B	74	TYR	Peptide,Sidechain
2	3B	75	GLN	Peptide
2	3B	77	THR	Mainchain
2	3B	78	HIS	Sidechain
2	3B	8	VAL	Mainchain,Peptide
2	3B	9	VAL	Mainchain
2	3B	91[B]	LYS	Mainchain
4	3D	27	PHE	Sidechain
1	3E	1	ASP	Mainchain
1	3E	13	ALA	Mainchain
1	3E	14	ASP	Mainchain
1	3E	146	ASN	Sidechain
1	3E	147	ARG	Sidechain
1	3E	149	THR	Mainchain,Peptide
1	3E	150	TYR	Mainchain,Sidechain
1	3E	152	SER	Mainchain
1	3E	154	SER	Mainchain
1	3E	155	PRO	Mainchain,Peptide
1	3E	156	SER	Mainchain
1	3E	16	THR	Mainchain,Peptide
1	3E	166	MET	Mainchain
1	3E	167	GLY	Mainchain,Peptide
1	3E	169	ASP	Mainchain
1	3E	17	THR	Mainchain,Peptide
1	3E	170	ALA	Peptide
1	3E	171	ARG	Mainchain
1	3E	172	PHE	Mainchain,Sidechain
1	3E	179	VAL	Mainchain
1	3E	180	VAL	Mainchain
1	3E	182	PHE	Sidechain
1	3E	20	GLU	Mainchain
1	3E	21	ASN	Peptide
1	3E	22	HIS	Sidechain
1	3E	23	GLY	Mainchain
1	3E	24	VAL	Mainchain
1	3E	25	ASP	Peptide
1	3E	26	ALA	Mainchain,Peptide
1	3E	27	LYS	Peptide
1	3E	29	TYR	Sidechain
1	3E	30	PHE	Mainchain,Sidechain
1	3E	34	ALA	Mainchain
1	3E	35	THR	Mainchain

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Mol	Chain	Res	Type	Group
1	3E	36	THR	Mainchain
1	3E	37	ALA	Mainchain
1	3E	38	PRO	Mainchain
1	3E	39	GLN	Mainchain,Sidechain
1	3E	41	ILE	Mainchain,Peptide
1	3E	43	HIS	Mainchain
1	3E	47	VAL	Peptide
1	3E	48	TYR	Sidechain
1	3E	50	ARG	Mainchain
1	3E	52	PHE	Sidechain
1	3E	64	TYR	Mainchain
1	3E	65	PHE	Mainchain,Peptide,Sidechain
1	3E	66	ARG	Mainchain,Sidechain
1	3E	79	THR	Mainchain
1	3E	8	LEU	Peptide
1	3E	80	PHE	Sidechain
1	3E	81	ASN	Sidechain
1	3E	82	ARG	Sidechain
1	3E	84	ARG	Mainchain,Peptide,Sidechain
1	3E	88	GLY	Peptide
1	3E	89	PHE	Mainchain,Peptide,Sidechain
1	3E	9	PHE	Sidechain
1	3E	90	PHE	Sidechain
1	3E	91	PRO	Mainchain
1	3E	92	ASN	Peptide
1	3E	94	THR	Peptide
1	3E	96	ASP	Peptide,Sidechain
1	3E	97	SER	Peptide
2	3F	106	GLY	Mainchain
2	3F	107	PHE	Peptide,Sidechain
2	3F	108	HIS	Peptide
2	3F	15	VAL	Mainchain
2	3F	2	GLU	Mainchain
2	3F	209	LEU	Mainchain
2	3F	215	GLN	Sidechain
2	3F	216	ASN	Mainchain,Sidechain
2	3F	217	PRO	Mainchain
2	3F	22	GLN	Sidechain
2	3F	220	PHE	Sidechain
2	3F	222	GLN	Sidechain
2	3F	224	VAL	Peptide
2	3F	225	ASN	Mainchain

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Mol	Chain	Res	Type	Group
2	3F	226	ILE	Peptide
2	3F	227	TYR	Sidechain
2	3F	228	ASP	Mainchain
2	3F	229	ASN	Sidechain
2	3F	23	HIS	Mainchain,Sidechain
2	3F	25	SER	Peptide
2	3F	28	THR	Mainchain
2	3F	29	MET	Mainchain
2	3F	30	PRO	Mainchain,Peptide
2	3F	31	PHE	Mainchain,Sidechain
2	3F	35	PHE	Mainchain,Sidechain
2	3F	36	SER	Mainchain
2	3F	37	ASN	Mainchain
2	3F	38	VAL	Mainchain
2	3F	39	ASP	Mainchain
2	3F	4	GLU	Mainchain,Peptide
2	3F	40	ASN	Sidechain
2	3F	41	PHE	Mainchain,Peptide,Sidechain
2	3F	44	MET	Mainchain
2	3F	46	TYR	Mainchain,Peptide,Sidechain
2	3F	47	ASP	Sidechain
2	3F	50	THR	Mainchain
2	3F	52	ASP	Peptide
2	3F	54	ASN	Mainchain,Sidechain
2	3F	55	PRO	Mainchain
2	3F	56	SER	Mainchain
2	3F	57	LYS	Mainchain,Peptide
2	3F	59	VAL	Mainchain
2	3F	67	THR	Mainchain
2	3F	70	TRP	Mainchain
2	3F	71	ALA	Peptide
2	3F	72	ARG	Peptide,Sidechain
2	3F	73	GLY	Mainchain
2	3F	74	TYR	Peptide,Sidechain
2	3F	75	GLN	Peptide
2	3F	77	THR	Mainchain
2	3F	78	HIS	Sidechain
2	3F	8	VAL	Mainchain,Peptide
2	3F	9	VAL	Mainchain
2	3F	91[B]	LYS	Mainchain
4	3H	27	PHE	Sidechain
1	3I	1	ASP	Mainchain

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Mol	Chain	Res	Type	Group
1	3I	13	ALA	Mainchain
1	3I	14	ASP	Mainchain
1	3I	146	ASN	Sidechain
1	3I	147	ARG	Sidechain
1	3I	149	THR	Mainchain,Peptide
1	3I	150	TYR	Mainchain,Sidechain
1	3I	152	SER	Mainchain
1	3I	154	SER	Mainchain
1	3I	155	PRO	Mainchain,Peptide
1	3I	156	SER	Mainchain
1	3I	16	THR	Mainchain,Peptide
1	3I	166	MET	Mainchain
1	3I	167	GLY	Mainchain,Peptide
1	3I	169	ASP	Mainchain
1	3I	17	THR	Mainchain,Peptide
1	3I	170	ALA	Peptide
1	3I	171	ARG	Mainchain
1	3I	172	PHE	Mainchain,Sidechain
1	3I	179	VAL	Mainchain
1	3I	180	VAL	Mainchain
1	3I	182	PHE	Sidechain
1	3I	20	GLU	Mainchain
1	3I	21	ASN	Peptide
1	3I	22	HIS	Sidechain
1	3I	23	GLY	Mainchain
1	3I	24	VAL	Mainchain
1	3I	25	ASP	Peptide
1	3I	26	ALA	Mainchain,Peptide
1	3I	27	LYS	Peptide
1	3I	29	TYR	Sidechain
1	3I	30	PHE	Mainchain,Sidechain
1	3I	34	ALA	Mainchain
1	3I	35	THR	Mainchain
1	3I	36	THR	Mainchain
1	3I	37	ALA	Mainchain
1	3I	38	PRO	Mainchain
1	3I	39	GLN	Mainchain,Sidechain
1	3I	41	ILE	Mainchain,Peptide
1	3I	43	HIS	Mainchain
1	3I	47	VAL	Peptide
1	3I	48	TYR	Sidechain
1	3I	50	ARG	Mainchain

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Mol	Chain	Res	Type	Group
1	3I	52	PHE	Sidechain
1	3I	64	TYR	Mainchain
1	3I	65	PHE	Mainchain,Peptide,Sidechain
1	3I	66	ARG	Mainchain,Sidechain
1	3I	79	THR	Mainchain
1	3I	8	LEU	Peptide
1	3I	80	PHE	Sidechain
1	3I	81	ASN	Sidechain
1	3I	82	ARG	Sidechain
1	3I	84	ARG	Mainchain,Peptide,Sidechain
1	3I	88	GLY	Peptide
1	3I	89	PHE	Mainchain,Peptide,Sidechain
1	3I	9	PHE	Sidechain
1	3I	90	PHE	Sidechain
1	3I	91	PRO	Mainchain
1	3I	92	ASN	Peptide
1	3I	94	THR	Peptide
1	3I	96	ASP	Peptide,Sidechain
1	3I	97	SER	Peptide
2	3J	106	GLY	Mainchain
2	3J	107	PHE	Peptide,Sidechain
2	3J	108	HIS	Peptide
2	3J	15	VAL	Mainchain
2	3J	2	GLU	Mainchain
2	3J	209	LEU	Mainchain
2	3J	215	GLN	Sidechain
2	3J	216	ASN	Mainchain,Sidechain
2	3J	217	PRO	Mainchain
2	3J	22	GLN	Sidechain
2	3J	220	PHE	Sidechain
2	3J	222	GLN	Sidechain
2	3J	224	VAL	Peptide
2	3J	225	ASN	Mainchain
2	3J	226	ILE	Peptide
2	3J	227	TYR	Sidechain
2	3J	228	ASP	Mainchain
2	3J	229	ASN	Sidechain
2	3J	23	HIS	Mainchain,Sidechain
2	3J	25	SER	Peptide
2	3J	28	THR	Mainchain
2	3J	29	MET	Mainchain
2	3J	30	PRO	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
2	3J	31	PHE	Mainchain,Sidechain
2	3J	35	PHE	Mainchain,Sidechain
2	3J	36	SER	Mainchain
2	3J	37	ASN	Mainchain
2	3J	38	VAL	Mainchain
2	3J	39	ASP	Mainchain
2	3J	4	GLU	Mainchain,Peptide
2	3J	40	ASN	Sidechain
2	3J	41	PHE	Mainchain,Peptide,Sidechain
2	3J	44	MET	Mainchain
2	3J	46	TYR	Mainchain,Peptide,Sidechain
2	3J	47	ASP	Sidechain
2	3J	50	THR	Mainchain
2	3J	52	ASP	Peptide
2	3J	54	ASN	Mainchain,Sidechain
2	3J	55	PRO	Mainchain
2	3J	56	SER	Mainchain
2	3J	57	LYS	Mainchain,Peptide
2	3J	59	VAL	Mainchain
2	3J	67	THR	Mainchain
2	3J	70	TRP	Mainchain
2	3J	71	ALA	Peptide
2	3J	72	ARG	Peptide,Sidechain
2	3J	73	GLY	Mainchain
2	3J	74	TYR	Peptide,Sidechain
2	3J	75	GLN	Peptide
2	3J	77	THR	Mainchain
2	3J	78	HIS	Sidechain
2	3J	8	VAL	Mainchain,Peptide
2	3J	9	VAL	Mainchain
2	3J	91[B]	LYS	Mainchain
4	3L	27	PHE	Sidechain
1	3M	1	ASP	Mainchain
1	3M	13	ALA	Mainchain
1	3M	14	ASP	Mainchain
1	3M	146	ASN	Sidechain
1	3M	147	ARG	Sidechain
1	3M	149	THR	Mainchain,Peptide
1	3M	150	TYR	Mainchain,Sidechain
1	3M	152	SER	Mainchain
1	3M	154	SER	Mainchain
1	3M	155	PRO	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
1	3M	156	SER	Mainchain
1	3M	16	THR	Mainchain,Peptide
1	3M	166	MET	Mainchain
1	3M	167	GLY	Mainchain,Peptide
1	3M	169	ASP	Mainchain
1	3M	17	THR	Mainchain,Peptide
1	3M	170	ALA	Peptide
1	3M	171	ARG	Mainchain
1	3M	172	PHE	Mainchain,Sidechain
1	3M	179	VAL	Mainchain
1	3M	180	VAL	Mainchain
1	3M	182	PHE	Sidechain
1	3M	20	GLU	Mainchain
1	3M	21	ASN	Peptide
1	3M	22	HIS	Sidechain
1	3M	23	GLY	Mainchain
1	3M	24	VAL	Mainchain
1	3M	25	ASP	Peptide
1	3M	26	ALA	Mainchain,Peptide
1	3M	27	LYS	Peptide
1	3M	29	TYR	Sidechain
1	3M	30	PHE	Mainchain,Sidechain
1	3M	34	ALA	Mainchain
1	3M	35	THR	Mainchain
1	3M	36	THR	Mainchain
1	3M	37	ALA	Mainchain
1	3M	38	PRO	Mainchain
1	3M	39	GLN	Mainchain,Sidechain
1	3M	41	ILE	Mainchain,Peptide
1	3M	43	HIS	Mainchain
1	3M	47	VAL	Peptide
1	3M	48	TYR	Sidechain
1	3M	50	ARG	Mainchain
1	3M	52	PHE	Sidechain
1	3M	64	TYR	Mainchain
1	3M	65	PHE	Mainchain,Peptide,Sidechain
1	3M	66	ARG	Mainchain,Sidechain
1	3M	79	THR	Mainchain
1	3M	8	LEU	Peptide
1	3M	80	PHE	Sidechain
1	3M	81	ASN	Sidechain
1	3M	82	ARG	Sidechain

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Mol	Chain	Res	Type	Group
1	3M	84	ARG	Mainchain,Peptide,Sidechain
1	3M	88	GLY	Peptide
1	3M	89	PHE	Mainchain,Peptide,Sidechain
1	3M	9	PHE	Sidechain
1	3M	90	PHE	Sidechain
1	3M	91	PRO	Mainchain
1	3M	92	ASN	Peptide
1	3M	94	THR	Peptide
1	3M	96	ASP	Peptide,Sidechain
1	3M	97	SER	Peptide
2	3N	106	GLY	Mainchain
2	3N	107	PHE	Peptide,Sidechain
2	3N	108	HIS	Peptide
2	3N	15	VAL	Mainchain
2	3N	2	GLU	Mainchain
2	3N	209	LEU	Mainchain
2	3N	215	GLN	Sidechain
2	3N	216	ASN	Mainchain,Sidechain
2	3N	217	PRO	Mainchain
2	3N	22	GLN	Sidechain
2	3N	220	PHE	Sidechain
2	3N	222	GLN	Sidechain
2	3N	224	VAL	Peptide
2	3N	225	ASN	Mainchain
2	3N	226	ILE	Peptide
2	3N	227	TYR	Sidechain
2	3N	228	ASP	Mainchain
2	3N	229	ASN	Sidechain
2	3N	23	HIS	Mainchain,Sidechain
2	3N	25	SER	Peptide
2	3N	28	THR	Mainchain
2	3N	29	MET	Mainchain
2	3N	30	PRO	Mainchain,Peptide
2	3N	31	PHE	Mainchain,Sidechain
2	3N	35	PHE	Mainchain,Sidechain
2	3N	36	SER	Mainchain
2	3N	37	ASN	Mainchain
2	3N	38	VAL	Mainchain
2	3N	39	ASP	Mainchain
2	3N	4	GLU	Mainchain,Peptide
2	3N	40	ASN	Sidechain
2	3N	41	PHE	Mainchain,Peptide,Sidechain

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Mol	Chain	Res	Type	Group
2	3N	44	MET	Mainchain
2	3N	46	TYR	Mainchain,Peptide,Sidechain
2	3N	47	ASP	Sidechain
2	3N	50	THR	Mainchain
2	3N	52	ASP	Peptide
2	3N	54	ASN	Mainchain,Sidechain
2	3N	55	PRO	Mainchain
2	3N	56	SER	Mainchain
2	3N	57	LYS	Mainchain,Peptide
2	3N	59	VAL	Mainchain
2	3N	67	THR	Mainchain
2	3N	70	TRP	Mainchain
2	3N	71	ALA	Peptide
2	3N	72	ARG	Peptide,Sidechain
2	3N	73	GLY	Mainchain
2	3N	74	TYR	Peptide,Sidechain
2	3N	75	GLN	Peptide
2	3N	77	THR	Mainchain
2	3N	78	HIS	Sidechain
2	3N	8	VAL	Mainchain,Peptide
2	3N	9	VAL	Mainchain
2	3N	91[B]	LYS	Mainchain
4	3P	27	PHE	Sidechain
1	3Q	1	ASP	Mainchain
1	3Q	13	ALA	Mainchain
1	3Q	14	ASP	Mainchain
1	3Q	146	ASN	Sidechain
1	3Q	147	ARG	Sidechain
1	3Q	149	THR	Mainchain,Peptide
1	3Q	150	TYR	Mainchain,Sidechain
1	3Q	152	SER	Mainchain
1	3Q	154	SER	Mainchain
1	3Q	155	PRO	Mainchain,Peptide
1	3Q	156	SER	Mainchain
1	3Q	16	THR	Mainchain,Peptide
1	3Q	166	MET	Mainchain
1	3Q	167	GLY	Mainchain,Peptide
1	3Q	169	ASP	Mainchain
1	3Q	17	THR	Mainchain,Peptide
1	3Q	170	ALA	Peptide
1	3Q	171	ARG	Mainchain
1	3Q	172	PHE	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
1	3Q	179	VAL	Mainchain
1	3Q	180	VAL	Mainchain
1	3Q	182	PHE	Sidechain
1	3Q	20	GLU	Mainchain
1	3Q	21	ASN	Peptide
1	3Q	22	HIS	Sidechain
1	3Q	23	GLY	Mainchain
1	3Q	24	VAL	Mainchain
1	3Q	25	ASP	Peptide
1	3Q	26	ALA	Mainchain,Peptide
1	3Q	27	LYS	Peptide
1	3Q	29	TYR	Sidechain
1	3Q	30	PHE	Mainchain,Sidechain
1	3Q	34	ALA	Mainchain
1	3Q	35	THR	Mainchain
1	3Q	36	THR	Mainchain
1	3Q	37	ALA	Mainchain
1	3Q	38	PRO	Mainchain
1	3Q	39	GLN	Mainchain,Sidechain
1	3Q	41	ILE	Mainchain,Peptide
1	3Q	43	HIS	Mainchain
1	3Q	47	VAL	Peptide
1	3Q	48	TYR	Sidechain
1	3Q	50	ARG	Mainchain
1	3Q	52	PHE	Sidechain
1	3Q	64	TYR	Mainchain
1	3Q	65	PHE	Mainchain,Peptide,Sidechain
1	3Q	66	ARG	Mainchain,Sidechain
1	3Q	79	THR	Mainchain
1	3Q	8	LEU	Peptide
1	3Q	80	PHE	Sidechain
1	3Q	81	ASN	Sidechain
1	3Q	82	ARG	Sidechain
1	3Q	84	ARG	Mainchain,Peptide,Sidechain
1	3Q	88	GLY	Peptide
1	3Q	89	PHE	Mainchain,Peptide,Sidechain
1	3Q	9	PHE	Sidechain
1	3Q	90	PHE	Sidechain
1	3Q	91	PRO	Mainchain
1	3Q	92	ASN	Peptide
1	3Q	94	THR	Peptide
1	3Q	96	ASP	Peptide,Sidechain

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Mol	Chain	Res	Type	Group
1	3Q	97	SER	Peptide
2	3R	106	GLY	Mainchain
2	3R	107	PHE	Peptide,Sidechain
2	3R	108	HIS	Peptide
2	3R	15	VAL	Mainchain
2	3R	2	GLU	Mainchain
2	3R	209	LEU	Mainchain
2	3R	215	GLN	Sidechain
2	3R	216	ASN	Mainchain,Sidechain
2	3R	217	PRO	Mainchain
2	3R	22	GLN	Sidechain
2	3R	220	PHE	Sidechain
2	3R	222	GLN	Sidechain
2	3R	224	VAL	Peptide
2	3R	225	ASN	Mainchain
2	3R	226	ILE	Peptide
2	3R	227	TYR	Sidechain
2	3R	228	ASP	Mainchain
2	3R	229	ASN	Sidechain
2	3R	23	HIS	Mainchain,Sidechain
2	3R	25	SER	Peptide
2	3R	28	THR	Mainchain
2	3R	29	MET	Mainchain
2	3R	30	PRO	Mainchain,Peptide
2	3R	31	PHE	Mainchain,Sidechain
2	3R	35	PHE	Mainchain,Sidechain
2	3R	36	SER	Mainchain
2	3R	37	ASN	Mainchain
2	3R	38	VAL	Mainchain
2	3R	39	ASP	Mainchain
2	3R	4	GLU	Mainchain,Peptide
2	3R	40	ASN	Sidechain
2	3R	41	PHE	Mainchain,Peptide,Sidechain
2	3R	44	MET	Mainchain
2	3R	46	TYR	Mainchain,Peptide,Sidechain
2	3R	47	ASP	Sidechain
2	3R	50	THR	Mainchain
2	3R	52	ASP	Peptide
2	3R	54	ASN	Mainchain,Sidechain
2	3R	55	PRO	Mainchain
2	3R	56	SER	Mainchain
2	3R	57	LYS	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
2	3R	59	VAL	Mainchain
2	3R	67	THR	Mainchain
2	3R	70	TRP	Mainchain
2	3R	71	ALA	Peptide
2	3R	72	ARG	Peptide,Sidechain
2	3R	73	GLY	Mainchain
2	3R	74	TYR	Peptide,Sidechain
2	3R	75	GLN	Peptide
2	3R	77	THR	Mainchain
2	3R	78	HIS	Sidechain
2	3R	8	VAL	Mainchain,Peptide
2	3R	9	VAL	Mainchain
2	3R	91[B]	LYS	Mainchain
4	3T	27	PHE	Sidechain
1	3U	1	ASP	Mainchain
1	3U	13	ALA	Mainchain
1	3U	14	ASP	Mainchain
1	3U	146	ASN	Sidechain
1	3U	147	ARG	Sidechain
1	3U	149	THR	Mainchain,Peptide
1	3U	150	TYR	Mainchain,Sidechain
1	3U	152	SER	Mainchain
1	3U	154	SER	Mainchain
1	3U	155	PRO	Mainchain,Peptide
1	3U	156	SER	Mainchain
1	3U	16	THR	Mainchain,Peptide
1	3U	166	MET	Mainchain
1	3U	167	GLY	Mainchain,Peptide
1	3U	169	ASP	Mainchain
1	3U	17	THR	Mainchain,Peptide
1	3U	170	ALA	Peptide
1	3U	171	ARG	Mainchain
1	3U	172	PHE	Mainchain,Sidechain
1	3U	179	VAL	Mainchain
1	3U	180	VAL	Mainchain
1	3U	182	PHE	Sidechain
1	3U	20	GLU	Mainchain
1	3U	21	ASN	Peptide
1	3U	22	HIS	Sidechain
1	3U	23	GLY	Mainchain
1	3U	24	VAL	Mainchain
1	3U	25	ASP	Peptide

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Mol	Chain	Res	Type	Group
1	3U	26	ALA	Mainchain,Peptide
1	3U	27	LYS	Peptide
1	3U	29	TYR	Sidechain
1	3U	30	PHE	Mainchain,Sidechain
1	3U	34	ALA	Mainchain
1	3U	35	THR	Mainchain
1	3U	36	THR	Mainchain
1	3U	37	ALA	Mainchain
1	3U	38	PRO	Mainchain
1	3U	39	GLN	Mainchain,Sidechain
1	3U	41	ILE	Mainchain,Peptide
1	3U	43	HIS	Mainchain
1	3U	47	VAL	Peptide
1	3U	48	TYR	Sidechain
1	3U	50	ARG	Mainchain
1	3U	52	PHE	Sidechain
1	3U	64	TYR	Mainchain
1	3U	65	PHE	Mainchain,Peptide,Sidechain
1	3U	66	ARG	Mainchain,Sidechain
1	3U	79	THR	Mainchain
1	3U	8	LEU	Peptide
1	3U	80	PHE	Sidechain
1	3U	81	ASN	Sidechain
1	3U	82	ARG	Sidechain
1	3U	84	ARG	Mainchain,Peptide,Sidechain
1	3U	88	GLY	Peptide
1	3U	89	PHE	Mainchain,Peptide,Sidechain
1	3U	9	PHE	Sidechain
1	3U	90	PHE	Sidechain
1	3U	91	PRO	Mainchain
1	3U	92	ASN	Peptide
1	3U	94	THR	Peptide
1	3U	96	ASP	Peptide,Sidechain
1	3U	97	SER	Peptide
2	3V	106	GLY	Mainchain
2	3V	107	PHE	Peptide,Sidechain
2	3V	108	HIS	Peptide
2	3V	15	VAL	Mainchain
2	3V	2	GLU	Mainchain
2	3V	209	LEU	Mainchain
2	3V	215	GLN	Sidechain
2	3V	216	ASN	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
2	3V	217	PRO	Mainchain
2	3V	22	GLN	Sidechain
2	3V	220	PHE	Sidechain
2	3V	222	GLN	Sidechain
2	3V	224	VAL	Peptide
2	3V	225	ASN	Mainchain
2	3V	226	ILE	Peptide
2	3V	227	TYR	Sidechain
2	3V	228	ASP	Mainchain
2	3V	229	ASN	Sidechain
2	3V	23	HIS	Mainchain,Sidechain
2	3V	25	SER	Peptide
2	3V	28	THR	Mainchain
2	3V	29	MET	Mainchain
2	3V	30	PRO	Mainchain,Peptide
2	3V	31	PHE	Mainchain,Sidechain
2	3V	35	PHE	Mainchain,Sidechain
2	3V	36	SER	Mainchain
2	3V	37	ASN	Mainchain
2	3V	38	VAL	Mainchain
2	3V	39	ASP	Mainchain
2	3V	4	GLU	Mainchain,Peptide
2	3V	40	ASN	Sidechain
2	3V	41	PHE	Mainchain,Peptide,Sidechain
2	3V	44	MET	Mainchain
2	3V	46	TYR	Mainchain,Peptide,Sidechain
2	3V	47	ASP	Sidechain
2	3V	50	THR	Mainchain
2	3V	52	ASP	Peptide
2	3V	54	ASN	Mainchain,Sidechain
2	3V	55	PRO	Mainchain
2	3V	56	SER	Mainchain
2	3V	57	LYS	Mainchain,Peptide
2	3V	59	VAL	Mainchain
2	3V	67	THR	Mainchain
2	3V	70	TRP	Mainchain
2	3V	71	ALA	Peptide
2	3V	72	ARG	Peptide,Sidechain
2	3V	73	GLY	Mainchain
2	3V	74	TYR	Peptide,Sidechain
2	3V	75	GLN	Peptide
2	3V	77	THR	Mainchain

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Mol	Chain	Res	Type	Group
2	3V	78	HIS	Sidechain
2	3V	8	VAL	Mainchain,Peptide
2	3V	9	VAL	Mainchain
2	3V	91[B]	LYS	Mainchain
4	3X	27	PHE	Sidechain
1	3Y	1	ASP	Mainchain
1	3Y	13	ALA	Mainchain
1	3Y	14	ASP	Mainchain
1	3Y	146	ASN	Sidechain
1	3Y	147	ARG	Sidechain
1	3Y	149	THR	Mainchain,Peptide
1	3Y	150	TYR	Mainchain,Sidechain
1	3Y	152	SER	Mainchain
1	3Y	154	SER	Mainchain
1	3Y	155	PRO	Mainchain,Peptide
1	3Y	156	SER	Mainchain
1	3Y	16	THR	Mainchain,Peptide
1	3Y	166	MET	Mainchain
1	3Y	167	GLY	Mainchain,Peptide
1	3Y	169	ASP	Mainchain
1	3Y	17	THR	Mainchain,Peptide
1	3Y	170	ALA	Peptide
1	3Y	171	ARG	Mainchain
1	3Y	172	PHE	Mainchain,Sidechain
1	3Y	179	VAL	Mainchain
1	3Y	180	VAL	Mainchain
1	3Y	182	PHE	Sidechain
1	3Y	20	GLU	Mainchain
1	3Y	21	ASN	Peptide
1	3Y	22	HIS	Sidechain
1	3Y	23	GLY	Mainchain
1	3Y	24	VAL	Mainchain
1	3Y	25	ASP	Peptide
1	3Y	26	ALA	Mainchain,Peptide
1	3Y	27	LYS	Peptide
1	3Y	29	TYR	Sidechain
1	3Y	30	PHE	Mainchain,Sidechain
1	3Y	34	ALA	Mainchain
1	3Y	35	THR	Mainchain
1	3Y	36	THR	Mainchain
1	3Y	37	ALA	Mainchain
1	3Y	38	PRO	Mainchain

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Mol	Chain	Res	Type	Group
1	3Y	39	GLN	Mainchain,Sidechain
1	3Y	41	ILE	Mainchain,Peptide
1	3Y	43	HIS	Mainchain
1	3Y	47	VAL	Peptide
1	3Y	48	TYR	Sidechain
1	3Y	50	ARG	Mainchain
1	3Y	52	PHE	Sidechain
1	3Y	64	TYR	Mainchain
1	3Y	65	PHE	Mainchain,Peptide,Sidechain
1	3Y	66	ARG	Mainchain,Sidechain
1	3Y	79	THR	Mainchain
1	3Y	8	LEU	Peptide
1	3Y	80	PHE	Sidechain
1	3Y	81	ASN	Sidechain
1	3Y	82	ARG	Sidechain
1	3Y	84	ARG	Mainchain,Peptide,Sidechain
1	3Y	88	GLY	Peptide
1	3Y	89	PHE	Mainchain,Peptide,Sidechain
1	3Y	9	PHE	Sidechain
1	3Y	90	PHE	Sidechain
1	3Y	91	PRO	Mainchain
1	3Y	92	ASN	Peptide
1	3Y	94	THR	Peptide
1	3Y	96	ASP	Peptide,Sidechain
1	3Y	97	SER	Peptide
2	3Z	106	GLY	Mainchain
2	3Z	107	PHE	Peptide,Sidechain
2	3Z	108	HIS	Peptide
2	3Z	15	VAL	Mainchain
2	3Z	2	GLU	Mainchain
2	3Z	209	LEU	Mainchain
2	3Z	215	GLN	Sidechain
2	3Z	216	ASN	Mainchain,Sidechain
2	3Z	217	PRO	Mainchain
2	3Z	22	GLN	Sidechain
2	3Z	220	PHE	Sidechain
2	3Z	222	GLN	Sidechain
2	3Z	224	VAL	Peptide
2	3Z	225	ASN	Mainchain
2	3Z	226	ILE	Peptide
2	3Z	227	TYR	Sidechain
2	3Z	228	ASP	Mainchain

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Mol	Chain	Res	Type	Group
2	3Z	229	ASN	Sidechain
2	3Z	23	HIS	Mainchain,Sidechain
2	3Z	25	SER	Peptide
2	3Z	28	THR	Mainchain
2	3Z	29	MET	Mainchain
2	3Z	30	PRO	Mainchain,Peptide
2	3Z	31	PHE	Mainchain,Sidechain
2	3Z	35	PHE	Mainchain,Sidechain
2	3Z	36	SER	Mainchain
2	3Z	37	ASN	Mainchain
2	3Z	38	VAL	Mainchain
2	3Z	39	ASP	Mainchain
2	3Z	4	GLU	Mainchain,Peptide
2	3Z	40	ASN	Sidechain
2	3Z	41	PHE	Mainchain,Peptide,Sidechain
2	3Z	44	MET	Mainchain
2	3Z	46	TYR	Mainchain,Peptide,Sidechain
2	3Z	47	ASP	Sidechain
2	3Z	50	THR	Mainchain
2	3Z	52	ASP	Peptide
2	3Z	54	ASN	Mainchain,Sidechain
2	3Z	55	PRO	Mainchain
2	3Z	56	SER	Mainchain
2	3Z	57	LYS	Mainchain,Peptide
2	3Z	59	VAL	Mainchain
2	3Z	67	THR	Mainchain
2	3Z	70	TRP	Mainchain
2	3Z	71	ALA	Peptide
2	3Z	72	ARG	Peptide,Sidechain
2	3Z	73	GLY	Mainchain
2	3Z	74	TYR	Peptide,Sidechain
2	3Z	75	GLN	Peptide
2	3Z	77	THR	Mainchain
2	3Z	78	HIS	Sidechain
2	3Z	8	VAL	Mainchain,Peptide
2	3Z	9	VAL	Mainchain
2	3Z	91[B]	LYS	Mainchain
4	41	27	PHE	Sidechain
1	42	1	ASP	Mainchain
1	42	13	ALA	Mainchain
1	42	14	ASP	Mainchain
1	42	146	ASN	Sidechain

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Mol	Chain	Res	Type	Group
1	42	147	ARG	Sidechain
1	42	149	THR	Mainchain,Peptide
1	42	150	TYR	Mainchain,Sidechain
1	42	152	SER	Mainchain
1	42	154	SER	Mainchain
1	42	155	PRO	Mainchain,Peptide
1	42	156	SER	Mainchain
1	42	16	THR	Mainchain,Peptide
1	42	166	MET	Mainchain
1	42	167	GLY	Mainchain,Peptide
1	42	169	ASP	Mainchain
1	42	17	THR	Mainchain,Peptide
1	42	170	ALA	Peptide
1	42	171	ARG	Mainchain
1	42	172	PHE	Mainchain,Sidechain
1	42	179	VAL	Mainchain
1	42	180	VAL	Mainchain
1	42	182	PHE	Sidechain
1	42	20	GLU	Mainchain
1	42	21	ASN	Peptide
1	42	22	HIS	Sidechain
1	42	23	GLY	Mainchain
1	42	24	VAL	Mainchain
1	42	25	ASP	Peptide
1	42	26	ALA	Mainchain,Peptide
1	42	27	LYS	Peptide
1	42	29	TYR	Sidechain
1	42	30	PHE	Mainchain,Sidechain
1	42	34	ALA	Mainchain
1	42	35	THR	Mainchain
1	42	36	THR	Mainchain
1	42	37	ALA	Mainchain
1	42	38	PRO	Mainchain
1	42	39	GLN	Mainchain,Sidechain
1	42	41	ILE	Mainchain,Peptide
1	42	43	HIS	Mainchain
1	42	47	VAL	Peptide
1	42	48	TYR	Sidechain
1	42	50	ARG	Mainchain
1	42	52	PHE	Sidechain
1	42	64	TYR	Mainchain
1	42	65	PHE	Mainchain,Peptide,Sidechain

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Mol	Chain	Res	Type	Group
1	42	66	ARG	Mainchain,Sidechain
1	42	79	THR	Mainchain
1	42	8	LEU	Peptide
1	42	80	PHE	Sidechain
1	42	81	ASN	Sidechain
1	42	82	ARG	Sidechain
1	42	84	ARG	Mainchain,Peptide,Sidechain
1	42	88	GLY	Peptide
1	42	89	PHE	Mainchain,Peptide,Sidechain
1	42	9	PHE	Sidechain
1	42	90	PHE	Sidechain
1	42	91	PRO	Mainchain
1	42	92	ASN	Peptide
1	42	94	THR	Peptide
1	42	96	ASP	Peptide,Sidechain
1	42	97	SER	Peptide
2	43	106	GLY	Mainchain
2	43	107	PHE	Peptide,Sidechain
2	43	108	HIS	Peptide
2	43	15	VAL	Mainchain
2	43	2	GLU	Mainchain
2	43	209	LEU	Mainchain
2	43	215	GLN	Sidechain
2	43	216	ASN	Mainchain,Sidechain
2	43	217	PRO	Mainchain
2	43	22	GLN	Sidechain
2	43	220	PHE	Sidechain
2	43	222	GLN	Sidechain
2	43	224	VAL	Peptide
2	43	225	ASN	Mainchain
2	43	226	ILE	Peptide
2	43	227	TYR	Sidechain
2	43	228	ASP	Mainchain
2	43	229	ASN	Sidechain
2	43	23	HIS	Mainchain,Sidechain
2	43	25	SER	Peptide
2	43	28	THR	Mainchain
2	43	29	MET	Mainchain
2	43	30	PRO	Mainchain,Peptide
2	43	31	PHE	Mainchain,Sidechain
2	43	35	PHE	Mainchain,Sidechain
2	43	36	SER	Mainchain

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Mol	Chain	Res	Type	Group
2	43	37	ASN	Mainchain
2	43	38	VAL	Mainchain
2	43	39	ASP	Mainchain
2	43	4	GLU	Mainchain,Peptide
2	43	40	ASN	Sidechain
2	43	41	PHE	Mainchain,Peptide,Sidechain
2	43	44	MET	Mainchain
2	43	46	TYR	Mainchain,Peptide,Sidechain
2	43	47	ASP	Sidechain
2	43	50	THR	Mainchain
2	43	52	ASP	Peptide
2	43	54	ASN	Mainchain,Sidechain
2	43	55	PRO	Mainchain
2	43	56	SER	Mainchain
2	43	57	LYS	Mainchain,Peptide
2	43	59	VAL	Mainchain
2	43	67	THR	Mainchain
2	43	70	TRP	Mainchain
2	43	71	ALA	Peptide
2	43	72	ARG	Peptide,Sidechain
2	43	73	GLY	Mainchain
2	43	74	TYR	Peptide,Sidechain
2	43	75	GLN	Peptide
2	43	77	THR	Mainchain
2	43	78	HIS	Sidechain
2	43	8	VAL	Mainchain,Peptide
2	43	9	VAL	Mainchain
2	43	91[B]	LYS	Mainchain
4	45	27	PHE	Sidechain
1	46	1	ASP	Mainchain
1	46	13	ALA	Mainchain
1	46	14	ASP	Mainchain
1	46	146	ASN	Sidechain
1	46	147	ARG	Sidechain
1	46	149	THR	Mainchain,Peptide
1	46	150	TYR	Mainchain,Sidechain
1	46	152	SER	Mainchain
1	46	154	SER	Mainchain
1	46	155	PRO	Mainchain,Peptide
1	46	156	SER	Mainchain
1	46	16	THR	Mainchain,Peptide
1	46	166	MET	Mainchain

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Mol	Chain	Res	Type	Group
1	46	167	GLY	Mainchain,Peptide
1	46	169	ASP	Mainchain
1	46	17	THR	Mainchain,Peptide
1	46	170	ALA	Peptide
1	46	171	ARG	Mainchain
1	46	172	PHE	Mainchain,Sidechain
1	46	179	VAL	Mainchain
1	46	180	VAL	Mainchain
1	46	182	PHE	Sidechain
1	46	20	GLU	Mainchain
1	46	21	ASN	Peptide
1	46	22	HIS	Sidechain
1	46	23	GLY	Mainchain
1	46	24	VAL	Mainchain
1	46	25	ASP	Peptide
1	46	26	ALA	Mainchain,Peptide
1	46	27	LYS	Peptide
1	46	29	TYR	Sidechain
1	46	30	PHE	Mainchain,Sidechain
1	46	34	ALA	Mainchain
1	46	35	THR	Mainchain
1	46	36	THR	Mainchain
1	46	37	ALA	Mainchain
1	46	38	PRO	Mainchain
1	46	39	GLN	Mainchain,Sidechain
1	46	41	ILE	Mainchain,Peptide
1	46	43	HIS	Mainchain
1	46	47	VAL	Peptide
1	46	48	TYR	Sidechain
1	46	50	ARG	Mainchain
1	46	52	PHE	Sidechain
1	46	64	TYR	Mainchain
1	46	65	PHE	Mainchain,Peptide,Sidechain
1	46	66	ARG	Mainchain,Sidechain
1	46	79	THR	Mainchain
1	46	8	LEU	Peptide
1	46	80	PHE	Sidechain
1	46	81	ASN	Sidechain
1	46	82	ARG	Sidechain
1	46	84	ARG	Mainchain,Peptide,Sidechain
1	46	88	GLY	Peptide
1	46	89	PHE	Mainchain,Peptide,Sidechain

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Mol	Chain	Res	Type	Group
1	46	9	PHE	Sidechain
1	46	90	PHE	Sidechain
1	46	91	PRO	Mainchain
1	46	92	ASN	Peptide
1	46	94	THR	Peptide
1	46	96	ASP	Peptide,Sidechain
1	46	97	SER	Peptide
2	47	106	GLY	Mainchain
2	47	107	PHE	Peptide,Sidechain
2	47	108	HIS	Peptide
2	47	15	VAL	Mainchain
2	47	2	GLU	Mainchain
2	47	209	LEU	Mainchain
2	47	215	GLN	Sidechain
2	47	216	ASN	Mainchain,Sidechain
2	47	217	PRO	Mainchain
2	47	22	GLN	Sidechain
2	47	220	PHE	Sidechain
2	47	222	GLN	Sidechain
2	47	224	VAL	Peptide
2	47	225	ASN	Mainchain
2	47	226	ILE	Peptide
2	47	227	TYR	Sidechain
2	47	228	ASP	Mainchain
2	47	229	ASN	Sidechain
2	47	23	HIS	Mainchain,Sidechain
2	47	25	SER	Peptide
2	47	28	THR	Mainchain
2	47	29	MET	Mainchain
2	47	30	PRO	Mainchain,Peptide
2	47	31	PHE	Mainchain,Sidechain
2	47	35	PHE	Mainchain,Sidechain
2	47	36	SER	Mainchain
2	47	37	ASN	Mainchain
2	47	38	VAL	Mainchain
2	47	39	ASP	Mainchain
2	47	4	GLU	Mainchain,Peptide
2	47	40	ASN	Sidechain
2	47	41	PHE	Mainchain,Peptide,Sidechain
2	47	44	MET	Mainchain
2	47	46	TYR	Mainchain,Peptide,Sidechain
2	47	47	ASP	Sidechain

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Mol	Chain	Res	Type	Group
2	47	50	THR	Mainchain
2	47	52	ASP	Peptide
2	47	54	ASN	Mainchain,Sidechain
2	47	55	PRO	Mainchain
2	47	56	SER	Mainchain
2	47	57	LYS	Mainchain,Peptide
2	47	59	VAL	Mainchain
2	47	67	THR	Mainchain
2	47	70	TRP	Mainchain
2	47	71	ALA	Peptide
2	47	72	ARG	Peptide,Sidechain
2	47	73	GLY	Mainchain
2	47	74	TYR	Peptide,Sidechain
2	47	75	GLN	Peptide
2	47	77	THR	Mainchain
2	47	78	HIS	Sidechain
2	47	8	VAL	Mainchain,Peptide
2	47	9	VAL	Mainchain
2	47	91[B]	LYS	Mainchain
4	49	27	PHE	Sidechain
1	4A	1	ASP	Mainchain
1	4A	13	ALA	Mainchain
1	4A	14	ASP	Mainchain
1	4A	146	ASN	Sidechain
1	4A	147	ARG	Sidechain
1	4A	149	THR	Mainchain,Peptide
1	4A	150	TYR	Mainchain,Sidechain
1	4A	152	SER	Mainchain
1	4A	154	SER	Mainchain
1	4A	155	PRO	Mainchain,Peptide
1	4A	156	SER	Mainchain
1	4A	16	THR	Mainchain,Peptide
1	4A	166	MET	Mainchain
1	4A	167	GLY	Mainchain,Peptide
1	4A	169	ASP	Mainchain
1	4A	17	THR	Mainchain,Peptide
1	4A	170	ALA	Peptide
1	4A	171	ARG	Mainchain
1	4A	172	PHE	Mainchain,Sidechain
1	4A	179	VAL	Mainchain
1	4A	180	VAL	Mainchain
1	4A	182	PHE	Sidechain

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Mol	Chain	Res	Type	Group
1	4A	20	GLU	Mainchain
1	4A	21	ASN	Peptide
1	4A	22	HIS	Sidechain
1	4A	23	GLY	Mainchain
1	4A	24	VAL	Mainchain
1	4A	25	ASP	Peptide
1	4A	26	ALA	Mainchain,Peptide
1	4A	27	LYS	Peptide
1	4A	29	TYR	Sidechain
1	4A	30	PHE	Mainchain,Sidechain
1	4A	34	ALA	Mainchain
1	4A	35	THR	Mainchain
1	4A	36	THR	Mainchain
1	4A	37	ALA	Mainchain
1	4A	38	PRO	Mainchain
1	4A	39	GLN	Mainchain,Sidechain
1	4A	41	ILE	Mainchain,Peptide
1	4A	43	HIS	Mainchain
1	4A	47	VAL	Peptide
1	4A	48	TYR	Sidechain
1	4A	50	ARG	Mainchain
1	4A	52	PHE	Sidechain
1	4A	64	TYR	Mainchain
1	4A	65	PHE	Mainchain,Peptide,Sidechain
1	4A	66	ARG	Mainchain,Sidechain
1	4A	79	THR	Mainchain
1	4A	8	LEU	Peptide
1	4A	80	PHE	Sidechain
1	4A	81	ASN	Sidechain
1	4A	82	ARG	Sidechain
1	4A	84	ARG	Mainchain,Peptide,Sidechain
1	4A	88	GLY	Peptide
1	4A	89	PHE	Mainchain,Peptide,Sidechain
1	4A	9	PHE	Sidechain
1	4A	90	PHE	Sidechain
1	4A	91	PRO	Mainchain
1	4A	92	ASN	Peptide
1	4A	94	THR	Peptide
1	4A	96	ASP	Peptide,Sidechain
1	4A	97	SER	Peptide
2	4B	106	GLY	Mainchain
2	4B	107	PHE	Peptide,Sidechain

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Mol	Chain	Res	Type	Group
2	4B	108	HIS	Peptide
2	4B	15	VAL	Mainchain
2	4B	2	GLU	Mainchain
2	4B	209	LEU	Mainchain
2	4B	215	GLN	Sidechain
2	4B	216	ASN	Mainchain,Sidechain
2	4B	217	PRO	Mainchain
2	4B	22	GLN	Sidechain
2	4B	220	PHE	Sidechain
2	4B	222	GLN	Sidechain
2	4B	224	VAL	Peptide
2	4B	225	ASN	Mainchain
2	4B	226	ILE	Peptide
2	4B	227	TYR	Sidechain
2	4B	228	ASP	Mainchain
2	4B	229	ASN	Sidechain
2	4B	23	HIS	Mainchain,Sidechain
2	4B	25	SER	Peptide
2	4B	28	THR	Mainchain
2	4B	29	MET	Mainchain
2	4B	30	PRO	Mainchain,Peptide
2	4B	31	PHE	Mainchain,Sidechain
2	4B	35	PHE	Mainchain,Sidechain
2	4B	36	SER	Mainchain
2	4B	37	ASN	Mainchain
2	4B	38	VAL	Mainchain
2	4B	39	ASP	Mainchain
2	4B	4	GLU	Mainchain,Peptide
2	4B	40	ASN	Sidechain
2	4B	41	PHE	Mainchain,Peptide,Sidechain
2	4B	44	MET	Mainchain
2	4B	46	TYR	Mainchain,Peptide,Sidechain
2	4B	47	ASP	Sidechain
2	4B	50	THR	Mainchain
2	4B	52	ASP	Peptide
2	4B	54	ASN	Mainchain,Sidechain
2	4B	55	PRO	Mainchain
2	4B	56	SER	Mainchain
2	4B	57	LYS	Mainchain,Peptide
2	4B	59	VAL	Mainchain
2	4B	67	THR	Mainchain
2	4B	70	TRP	Mainchain

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Mol	Chain	Res	Type	Group
2	4B	71	ALA	Peptide
2	4B	72	ARG	Peptide,Sidechain
2	4B	73	GLY	Mainchain
2	4B	74	TYR	Peptide,Sidechain
2	4B	75	GLN	Peptide
2	4B	77	THR	Mainchain
2	4B	78	HIS	Sidechain
2	4B	8	VAL	Mainchain,Peptide
2	4B	9	VAL	Mainchain
2	4B	91[B]	LYS	Mainchain
4	4D	27	PHE	Sidechain
1	4E	1	ASP	Mainchain
1	4E	13	ALA	Mainchain
1	4E	14	ASP	Mainchain
1	4E	146	ASN	Sidechain
1	4E	147	ARG	Sidechain
1	4E	149	THR	Mainchain,Peptide
1	4E	150	TYR	Mainchain,Sidechain
1	4E	152	SER	Mainchain
1	4E	154	SER	Mainchain
1	4E	155	PRO	Mainchain,Peptide
1	4E	156	SER	Mainchain
1	4E	16	THR	Mainchain,Peptide
1	4E	166	MET	Mainchain
1	4E	167	GLY	Mainchain,Peptide
1	4E	169	ASP	Mainchain
1	4E	17	THR	Mainchain,Peptide
1	4E	170	ALA	Peptide
1	4E	171	ARG	Mainchain
1	4E	172	PHE	Mainchain,Sidechain
1	4E	179	VAL	Mainchain
1	4E	180	VAL	Mainchain
1	4E	182	PHE	Sidechain
1	4E	20	GLU	Mainchain
1	4E	21	ASN	Peptide
1	4E	22	HIS	Sidechain
1	4E	23	GLY	Mainchain
1	4E	24	VAL	Mainchain
1	4E	25	ASP	Peptide
1	4E	26	ALA	Mainchain,Peptide
1	4E	27	LYS	Peptide
1	4E	29	TYR	Sidechain

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Mol	Chain	Res	Type	Group
1	4E	30	PHE	Mainchain,Sidechain
1	4E	34	ALA	Mainchain
1	4E	35	THR	Mainchain
1	4E	36	THR	Mainchain
1	4E	37	ALA	Mainchain
1	4E	38	PRO	Mainchain
1	4E	39	GLN	Mainchain,Sidechain
1	4E	41	ILE	Mainchain,Peptide
1	4E	43	HIS	Mainchain
1	4E	47	VAL	Peptide
1	4E	48	TYR	Sidechain
1	4E	50	ARG	Mainchain
1	4E	52	PHE	Sidechain
1	4E	64	TYR	Mainchain
1	4E	65	PHE	Mainchain,Peptide,Sidechain
1	4E	66	ARG	Mainchain,Sidechain
1	4E	79	THR	Mainchain
1	4E	8	LEU	Peptide
1	4E	80	PHE	Sidechain
1	4E	81	ASN	Sidechain
1	4E	82	ARG	Sidechain
1	4E	84	ARG	Mainchain,Peptide,Sidechain
1	4E	88	GLY	Peptide
1	4E	89	PHE	Mainchain,Peptide,Sidechain
1	4E	9	PHE	Sidechain
1	4E	90	PHE	Sidechain
1	4E	91	PRO	Mainchain
1	4E	92	ASN	Peptide
1	4E	94	THR	Peptide
1	4E	96	ASP	Peptide,Sidechain
1	4E	97	SER	Peptide
2	4F	106	GLY	Mainchain
2	4F	107	PHE	Peptide,Sidechain
2	4F	108	HIS	Peptide
2	4F	15	VAL	Mainchain
2	4F	2	GLU	Mainchain
2	4F	209	LEU	Mainchain
2	4F	215	GLN	Sidechain
2	4F	216	ASN	Mainchain,Sidechain
2	4F	217	PRO	Mainchain
2	4F	22	GLN	Sidechain
2	4F	220	PHE	Sidechain

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Mol	Chain	Res	Type	Group
2	4F	222	GLN	Sidechain
2	4F	224	VAL	Peptide
2	4F	225	ASN	Mainchain
2	4F	226	ILE	Peptide
2	4F	227	TYR	Sidechain
2	4F	228	ASP	Mainchain
2	4F	229	ASN	Sidechain
2	4F	23	HIS	Mainchain,Sidechain
2	4F	25	SER	Peptide
2	4F	28	THR	Mainchain
2	4F	29	MET	Mainchain
2	4F	30	PRO	Mainchain,Peptide
2	4F	31	PHE	Mainchain,Sidechain
2	4F	35	PHE	Mainchain,Sidechain
2	4F	36	SER	Mainchain
2	4F	37	ASN	Mainchain
2	4F	38	VAL	Mainchain
2	4F	39	ASP	Mainchain
2	4F	4	GLU	Mainchain,Peptide
2	4F	40	ASN	Sidechain
2	4F	41	PHE	Mainchain,Peptide,Sidechain
2	4F	44	MET	Mainchain
2	4F	46	TYR	Mainchain,Peptide,Sidechain
2	4F	47	ASP	Sidechain
2	4F	50	THR	Mainchain
2	4F	52	ASP	Peptide
2	4F	54	ASN	Mainchain,Sidechain
2	4F	55	PRO	Mainchain
2	4F	56	SER	Mainchain
2	4F	57	LYS	Mainchain,Peptide
2	4F	59	VAL	Mainchain
2	4F	67	THR	Mainchain
2	4F	70	TRP	Mainchain
2	4F	71	ALA	Peptide
2	4F	72	ARG	Peptide,Sidechain
2	4F	73	GLY	Mainchain
2	4F	74	TYR	Peptide,Sidechain
2	4F	75	GLN	Peptide
2	4F	77	THR	Mainchain
2	4F	78	HIS	Sidechain
2	4F	8	VAL	Mainchain,Peptide
2	4F	9	VAL	Mainchain

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Mol	Chain	Res	Type	Group
2	4F	91[B]	LYS	Mainchain
4	4H	27	PHE	Sidechain
1	4I	1	ASP	Mainchain
1	4I	13	ALA	Mainchain
1	4I	14	ASP	Mainchain
1	4I	146	ASN	Sidechain
1	4I	147	ARG	Sidechain
1	4I	149	THR	Mainchain,Peptide
1	4I	150	TYR	Mainchain,Sidechain
1	4I	152	SER	Mainchain
1	4I	154	SER	Mainchain
1	4I	155	PRO	Mainchain,Peptide
1	4I	156	SER	Mainchain
1	4I	16	THR	Mainchain,Peptide
1	4I	166	MET	Mainchain
1	4I	167	GLY	Mainchain,Peptide
1	4I	169	ASP	Mainchain
1	4I	17	THR	Mainchain,Peptide
1	4I	170	ALA	Peptide
1	4I	171	ARG	Mainchain
1	4I	172	PHE	Mainchain,Sidechain
1	4I	179	VAL	Mainchain
1	4I	180	VAL	Mainchain
1	4I	182	PHE	Sidechain
1	4I	20	GLU	Mainchain
1	4I	21	ASN	Peptide
1	4I	22	HIS	Sidechain
1	4I	23	GLY	Mainchain
1	4I	24	VAL	Mainchain
1	4I	25	ASP	Peptide
1	4I	26	ALA	Mainchain,Peptide
1	4I	27	LYS	Peptide
1	4I	29	TYR	Sidechain
1	4I	30	PHE	Mainchain,Sidechain
1	4I	34	ALA	Mainchain
1	4I	35	THR	Mainchain
1	4I	36	THR	Mainchain
1	4I	37	ALA	Mainchain
1	4I	38	PRO	Mainchain
1	4I	39	GLN	Mainchain,Sidechain
1	4I	41	ILE	Mainchain,Peptide
1	4I	43	HIS	Mainchain

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Mol	Chain	Res	Type	Group
1	4I	47	VAL	Peptide
1	4I	48	TYR	Sidechain
1	4I	50	ARG	Mainchain
1	4I	52	PHE	Sidechain
1	4I	64	TYR	Mainchain
1	4I	65	PHE	Mainchain,Peptide,Sidechain
1	4I	66	ARG	Mainchain,Sidechain
1	4I	79	THR	Mainchain
1	4I	8	LEU	Peptide
1	4I	80	PHE	Sidechain
1	4I	81	ASN	Sidechain
1	4I	82	ARG	Sidechain
1	4I	84	ARG	Mainchain,Peptide,Sidechain
1	4I	88	GLY	Peptide
1	4I	89	PHE	Mainchain,Peptide,Sidechain
1	4I	9	PHE	Sidechain
1	4I	90	PHE	Sidechain
1	4I	91	PRO	Mainchain
1	4I	92	ASN	Peptide
1	4I	94	THR	Peptide
1	4I	96	ASP	Peptide,Sidechain
1	4I	97	SER	Peptide
2	4J	106	GLY	Mainchain
2	4J	107	PHE	Peptide,Sidechain
2	4J	108	HIS	Peptide
2	4J	15	VAL	Mainchain
2	4J	2	GLU	Mainchain
2	4J	209	LEU	Mainchain
2	4J	215	GLN	Sidechain
2	4J	216	ASN	Mainchain,Sidechain
2	4J	217	PRO	Mainchain
2	4J	22	GLN	Sidechain
2	4J	220	PHE	Sidechain
2	4J	222	GLN	Sidechain
2	4J	224	VAL	Peptide
2	4J	225	ASN	Mainchain
2	4J	226	ILE	Peptide
2	4J	227	TYR	Sidechain
2	4J	228	ASP	Mainchain
2	4J	229	ASN	Sidechain
2	4J	23	HIS	Mainchain,Sidechain
2	4J	25	SER	Peptide

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Mol	Chain	Res	Type	Group
2	4J	28	THR	Mainchain
2	4J	29	MET	Mainchain
2	4J	30	PRO	Mainchain,Peptide
2	4J	31	PHE	Mainchain,Sidechain
2	4J	35	PHE	Mainchain,Sidechain
2	4J	36	SER	Mainchain
2	4J	37	ASN	Mainchain
2	4J	38	VAL	Mainchain
2	4J	39	ASP	Mainchain
2	4J	4	GLU	Mainchain,Peptide
2	4J	40	ASN	Sidechain
2	4J	41	PHE	Mainchain,Peptide,Sidechain
2	4J	44	MET	Mainchain
2	4J	46	TYR	Mainchain,Peptide,Sidechain
2	4J	47	ASP	Sidechain
2	4J	50	THR	Mainchain
2	4J	52	ASP	Peptide
2	4J	54	ASN	Mainchain,Sidechain
2	4J	55	PRO	Mainchain
2	4J	56	SER	Mainchain
2	4J	57	LYS	Mainchain,Peptide
2	4J	59	VAL	Mainchain
2	4J	67	THR	Mainchain
2	4J	70	TRP	Mainchain
2	4J	71	ALA	Peptide
2	4J	72	ARG	Peptide,Sidechain
2	4J	73	GLY	Mainchain
2	4J	74	TYR	Peptide,Sidechain
2	4J	75	GLN	Peptide
2	4J	77	THR	Mainchain
2	4J	78	HIS	Sidechain
2	4J	8	VAL	Mainchain,Peptide
2	4J	9	VAL	Mainchain
2	4J	91[B]	LYS	Mainchain
4	4L	27	PHE	Sidechain
1	4M	1	ASP	Mainchain
1	4M	13	ALA	Mainchain
1	4M	14	ASP	Mainchain
1	4M	146	ASN	Sidechain
1	4M	147	ARG	Sidechain
1	4M	149	THR	Mainchain,Peptide
1	4M	150	TYR	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
1	4M	152	SER	Mainchain
1	4M	154	SER	Mainchain
1	4M	155	PRO	Mainchain,Peptide
1	4M	156	SER	Mainchain
1	4M	16	THR	Mainchain,Peptide
1	4M	166	MET	Mainchain
1	4M	167	GLY	Mainchain,Peptide
1	4M	169	ASP	Mainchain
1	4M	17	THR	Mainchain,Peptide
1	4M	170	ALA	Peptide
1	4M	171	ARG	Mainchain
1	4M	172	PHE	Mainchain,Sidechain
1	4M	179	VAL	Mainchain
1	4M	180	VAL	Mainchain
1	4M	182	PHE	Sidechain
1	4M	20	GLU	Mainchain
1	4M	21	ASN	Peptide
1	4M	22	HIS	Sidechain
1	4M	23	GLY	Mainchain
1	4M	24	VAL	Mainchain
1	4M	25	ASP	Peptide
1	4M	26	ALA	Mainchain,Peptide
1	4M	27	LYS	Peptide
1	4M	29	TYR	Sidechain
1	4M	30	PHE	Mainchain,Sidechain
1	4M	34	ALA	Mainchain
1	4M	35	THR	Mainchain
1	4M	36	THR	Mainchain
1	4M	37	ALA	Mainchain
1	4M	38	PRO	Mainchain
1	4M	39	GLN	Mainchain,Sidechain
1	4M	41	ILE	Mainchain,Peptide
1	4M	43	HIS	Mainchain
1	4M	47	VAL	Peptide
1	4M	48	TYR	Sidechain
1	4M	50	ARG	Mainchain
1	4M	52	PHE	Sidechain
1	4M	64	TYR	Mainchain
1	4M	65	PHE	Mainchain,Peptide,Sidechain
1	4M	66	ARG	Mainchain,Sidechain
1	4M	79	THR	Mainchain
1	4M	8	LEU	Peptide

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Mol	Chain	Res	Type	Group
1	4M	80	PHE	Sidechain
1	4M	81	ASN	Sidechain
1	4M	82	ARG	Sidechain
1	4M	84	ARG	Mainchain,Peptide,Sidechain
1	4M	88	GLY	Peptide
1	4M	89	PHE	Mainchain,Peptide,Sidechain
1	4M	9	PHE	Sidechain
1	4M	90	PHE	Sidechain
1	4M	91	PRO	Mainchain
1	4M	92	ASN	Peptide
1	4M	94	THR	Peptide
1	4M	96	ASP	Peptide,Sidechain
1	4M	97	SER	Peptide
2	4N	106	GLY	Mainchain
2	4N	107	PHE	Peptide,Sidechain
2	4N	108	HIS	Peptide
2	4N	15	VAL	Mainchain
2	4N	2	GLU	Mainchain
2	4N	209	LEU	Mainchain
2	4N	215	GLN	Sidechain
2	4N	216	ASN	Mainchain,Sidechain
2	4N	217	PRO	Mainchain
2	4N	22	GLN	Sidechain
2	4N	220	PHE	Sidechain
2	4N	222	GLN	Sidechain
2	4N	224	VAL	Peptide
2	4N	225	ASN	Mainchain
2	4N	226	ILE	Peptide
2	4N	227	TYR	Sidechain
2	4N	228	ASP	Mainchain
2	4N	229	ASN	Sidechain
2	4N	23	HIS	Mainchain,Sidechain
2	4N	25	SER	Peptide
2	4N	28	THR	Mainchain
2	4N	29	MET	Mainchain
2	4N	30	PRO	Mainchain,Peptide
2	4N	31	PHE	Mainchain,Sidechain
2	4N	35	PHE	Mainchain,Sidechain
2	4N	36	SER	Mainchain
2	4N	37	ASN	Mainchain
2	4N	38	VAL	Mainchain
2	4N	39	ASP	Mainchain

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Mol	Chain	Res	Type	Group
2	4N	4	GLU	Mainchain,Peptide
2	4N	40	ASN	Sidechain
2	4N	41	PHE	Mainchain,Peptide,Sidechain
2	4N	44	MET	Mainchain
2	4N	46	TYR	Mainchain,Peptide,Sidechain
2	4N	47	ASP	Sidechain
2	4N	50	THR	Mainchain
2	4N	52	ASP	Peptide
2	4N	54	ASN	Mainchain,Sidechain
2	4N	55	PRO	Mainchain
2	4N	56	SER	Mainchain
2	4N	57	LYS	Mainchain,Peptide
2	4N	59	VAL	Mainchain
2	4N	67	THR	Mainchain
2	4N	70	TRP	Mainchain
2	4N	71	ALA	Peptide
2	4N	72	ARG	Peptide,Sidechain
2	4N	73	GLY	Mainchain
2	4N	74	TYR	Peptide,Sidechain
2	4N	75	GLN	Peptide
2	4N	77	THR	Mainchain
2	4N	78	HIS	Sidechain
2	4N	8	VAL	Mainchain,Peptide
2	4N	9	VAL	Mainchain
2	4N	91[B]	LYS	Mainchain
4	4P	27	PHE	Sidechain
1	4Q	1	ASP	Mainchain
1	4Q	13	ALA	Mainchain
1	4Q	14	ASP	Mainchain
1	4Q	146	ASN	Sidechain
1	4Q	147	ARG	Sidechain
1	4Q	149	THR	Mainchain,Peptide
1	4Q	150	TYR	Mainchain,Sidechain
1	4Q	152	SER	Mainchain
1	4Q	154	SER	Mainchain
1	4Q	155	PRO	Mainchain,Peptide
1	4Q	156	SER	Mainchain
1	4Q	16	THR	Mainchain,Peptide
1	4Q	166	MET	Mainchain
1	4Q	167	GLY	Mainchain,Peptide
1	4Q	169	ASP	Mainchain
1	4Q	17	THR	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
1	4Q	170	ALA	Peptide
1	4Q	171	ARG	Mainchain
1	4Q	172	PHE	Mainchain,Sidechain
1	4Q	179	VAL	Mainchain
1	4Q	180	VAL	Mainchain
1	4Q	182	PHE	Sidechain
1	4Q	20	GLU	Mainchain
1	4Q	21	ASN	Peptide
1	4Q	22	HIS	Sidechain
1	4Q	23	GLY	Mainchain
1	4Q	24	VAL	Mainchain
1	4Q	25	ASP	Peptide
1	4Q	26	ALA	Mainchain,Peptide
1	4Q	27	LYS	Peptide
1	4Q	29	TYR	Sidechain
1	4Q	30	PHE	Mainchain,Sidechain
1	4Q	34	ALA	Mainchain
1	4Q	35	THR	Mainchain
1	4Q	36	THR	Mainchain
1	4Q	37	ALA	Mainchain
1	4Q	38	PRO	Mainchain
1	4Q	39	GLN	Mainchain,Sidechain
1	4Q	41	ILE	Mainchain,Peptide
1	4Q	43	HIS	Mainchain
1	4Q	47	VAL	Peptide
1	4Q	48	TYR	Sidechain
1	4Q	50	ARG	Mainchain
1	4Q	52	PHE	Sidechain
1	4Q	64	TYR	Mainchain
1	4Q	65	PHE	Mainchain,Peptide,Sidechain
1	4Q	66	ARG	Mainchain,Sidechain
1	4Q	79	THR	Mainchain
1	4Q	8	LEU	Peptide
1	4Q	80	PHE	Sidechain
1	4Q	81	ASN	Sidechain
1	4Q	82	ARG	Sidechain
1	4Q	84	ARG	Mainchain,Peptide,Sidechain
1	4Q	88	GLY	Peptide
1	4Q	89	PHE	Mainchain,Peptide,Sidechain
1	4Q	9	PHE	Sidechain
1	4Q	90	PHE	Sidechain
1	4Q	91	PRO	Mainchain

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Mol	Chain	Res	Type	Group
1	4Q	92	ASN	Peptide
1	4Q	94	THR	Peptide
1	4Q	96	ASP	Peptide,Sidechain
1	4Q	97	SER	Peptide
2	4R	106	GLY	Mainchain
2	4R	107	PHE	Peptide,Sidechain
2	4R	108	HIS	Peptide
2	4R	15	VAL	Mainchain
2	4R	2	GLU	Mainchain
2	4R	209	LEU	Mainchain
2	4R	215	GLN	Sidechain
2	4R	216	ASN	Mainchain,Sidechain
2	4R	217	PRO	Mainchain
2	4R	22	GLN	Sidechain
2	4R	220	PHE	Sidechain
2	4R	222	GLN	Sidechain
2	4R	224	VAL	Peptide
2	4R	225	ASN	Mainchain
2	4R	226	ILE	Peptide
2	4R	227	TYR	Sidechain
2	4R	228	ASP	Mainchain
2	4R	229	ASN	Sidechain
2	4R	23	HIS	Mainchain,Sidechain
2	4R	25	SER	Peptide
2	4R	28	THR	Mainchain
2	4R	29	MET	Mainchain
2	4R	30	PRO	Mainchain,Peptide
2	4R	31	PHE	Mainchain,Sidechain
2	4R	35	PHE	Mainchain,Sidechain
2	4R	36	SER	Mainchain
2	4R	37	ASN	Mainchain
2	4R	38	VAL	Mainchain
2	4R	39	ASP	Mainchain
2	4R	4	GLU	Mainchain,Peptide
2	4R	40	ASN	Sidechain
2	4R	41	PHE	Mainchain,Peptide,Sidechain
2	4R	44	MET	Mainchain
2	4R	46	TYR	Mainchain,Peptide,Sidechain
2	4R	47	ASP	Sidechain
2	4R	50	THR	Mainchain
2	4R	52	ASP	Peptide
2	4R	54	ASN	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
2	4R	55	PRO	Mainchain
2	4R	56	SER	Mainchain
2	4R	57	LYS	Mainchain,Peptide
2	4R	59	VAL	Mainchain
2	4R	67	THR	Mainchain
2	4R	70	TRP	Mainchain
2	4R	71	ALA	Peptide
2	4R	72	ARG	Peptide,Sidechain
2	4R	73	GLY	Mainchain
2	4R	74	TYR	Peptide,Sidechain
2	4R	75	GLN	Peptide
2	4R	77	THR	Mainchain
2	4R	78	HIS	Sidechain
2	4R	8	VAL	Mainchain,Peptide
2	4R	9	VAL	Mainchain
2	4R	91[B]	LYS	Mainchain
4	4T	27	PHE	Sidechain
1	4U	1	ASP	Mainchain
1	4U	13	ALA	Mainchain
1	4U	14	ASP	Mainchain
1	4U	146	ASN	Sidechain
1	4U	147	ARG	Sidechain
1	4U	149	THR	Mainchain,Peptide
1	4U	150	TYR	Mainchain,Sidechain
1	4U	152	SER	Mainchain
1	4U	154	SER	Mainchain
1	4U	155	PRO	Mainchain,Peptide
1	4U	156	SER	Mainchain
1	4U	16	THR	Mainchain,Peptide
1	4U	166	MET	Mainchain
1	4U	167	GLY	Mainchain,Peptide
1	4U	169	ASP	Mainchain
1	4U	17	THR	Mainchain,Peptide
1	4U	170	ALA	Peptide
1	4U	171	ARG	Mainchain
1	4U	172	PHE	Mainchain,Sidechain
1	4U	179	VAL	Mainchain
1	4U	180	VAL	Mainchain
1	4U	182	PHE	Sidechain
1	4U	20	GLU	Mainchain
1	4U	21	ASN	Peptide
1	4U	22	HIS	Sidechain

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Mol	Chain	Res	Type	Group
1	4U	23	GLY	Mainchain
1	4U	24	VAL	Mainchain
1	4U	25	ASP	Peptide
1	4U	26	ALA	Mainchain,Peptide
1	4U	27	LYS	Peptide
1	4U	29	TYR	Sidechain
1	4U	30	PHE	Mainchain,Sidechain
1	4U	34	ALA	Mainchain
1	4U	35	THR	Mainchain
1	4U	36	THR	Mainchain
1	4U	37	ALA	Mainchain
1	4U	38	PRO	Mainchain
1	4U	39	GLN	Mainchain,Sidechain
1	4U	41	ILE	Mainchain,Peptide
1	4U	43	HIS	Mainchain
1	4U	47	VAL	Peptide
1	4U	48	TYR	Sidechain
1	4U	50	ARG	Mainchain
1	4U	52	PHE	Sidechain
1	4U	64	TYR	Mainchain
1	4U	65	PHE	Mainchain,Peptide,Sidechain
1	4U	66	ARG	Mainchain,Sidechain
1	4U	79	THR	Mainchain
1	4U	8	LEU	Peptide
1	4U	80	PHE	Sidechain
1	4U	81	ASN	Sidechain
1	4U	82	ARG	Sidechain
1	4U	84	ARG	Mainchain,Peptide,Sidechain
1	4U	88	GLY	Peptide
1	4U	89	PHE	Mainchain,Peptide,Sidechain
1	4U	9	PHE	Sidechain
1	4U	90	PHE	Sidechain
1	4U	91	PRO	Mainchain
1	4U	92	ASN	Peptide
1	4U	94	THR	Peptide
1	4U	96	ASP	Peptide,Sidechain
1	4U	97	SER	Peptide
2	4V	106	GLY	Mainchain
2	4V	107	PHE	Peptide,Sidechain
2	4V	108	HIS	Peptide
2	4V	15	VAL	Mainchain
2	4V	2	GLU	Mainchain

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Mol	Chain	Res	Type	Group
2	4V	209	LEU	Mainchain
2	4V	215	GLN	Sidechain
2	4V	216	ASN	Mainchain,Sidechain
2	4V	217	PRO	Mainchain
2	4V	22	GLN	Sidechain
2	4V	220	PHE	Sidechain
2	4V	222	GLN	Sidechain
2	4V	224	VAL	Peptide
2	4V	225	ASN	Mainchain
2	4V	226	ILE	Peptide
2	4V	227	TYR	Sidechain
2	4V	228	ASP	Mainchain
2	4V	229	ASN	Sidechain
2	4V	23	HIS	Mainchain,Sidechain
2	4V	25	SER	Peptide
2	4V	28	THR	Mainchain
2	4V	29	MET	Mainchain
2	4V	30	PRO	Mainchain,Peptide
2	4V	31	PHE	Mainchain,Sidechain
2	4V	35	PHE	Mainchain,Sidechain
2	4V	36	SER	Mainchain
2	4V	37	ASN	Mainchain
2	4V	38	VAL	Mainchain
2	4V	39	ASP	Mainchain
2	4V	4	GLU	Mainchain,Peptide
2	4V	40	ASN	Sidechain
2	4V	41	PHE	Mainchain,Peptide,Sidechain
2	4V	44	MET	Mainchain
2	4V	46	TYR	Mainchain,Peptide,Sidechain
2	4V	47	ASP	Sidechain
2	4V	50	THR	Mainchain
2	4V	52	ASP	Peptide
2	4V	54	ASN	Mainchain,Sidechain
2	4V	55	PRO	Mainchain
2	4V	56	SER	Mainchain
2	4V	57	LYS	Mainchain,Peptide
2	4V	59	VAL	Mainchain
2	4V	67	THR	Mainchain
2	4V	70	TRP	Mainchain
2	4V	71	ALA	Peptide
2	4V	72	ARG	Peptide,Sidechain
2	4V	73	GLY	Mainchain

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Mol	Chain	Res	Type	Group
2	4V	74	TYR	Peptide,Sidechain
2	4V	75	GLN	Peptide
2	4V	77	THR	Mainchain
2	4V	78	HIS	Sidechain
2	4V	8	VAL	Mainchain,Peptide
2	4V	9	VAL	Mainchain
2	4V	91[B]	LYS	Mainchain
4	4X	27	PHE	Sidechain
1	4Y	1	ASP	Mainchain
1	4Y	13	ALA	Mainchain
1	4Y	14	ASP	Mainchain
1	4Y	146	ASN	Sidechain
1	4Y	147	ARG	Sidechain
1	4Y	149	THR	Mainchain,Peptide
1	4Y	150	TYR	Mainchain,Sidechain
1	4Y	152	SER	Mainchain
1	4Y	154	SER	Mainchain
1	4Y	155	PRO	Mainchain,Peptide
1	4Y	156	SER	Mainchain
1	4Y	16	THR	Mainchain,Peptide
1	4Y	166	MET	Mainchain
1	4Y	167	GLY	Mainchain,Peptide
1	4Y	169	ASP	Mainchain
1	4Y	17	THR	Mainchain,Peptide
1	4Y	170	ALA	Peptide
1	4Y	171	ARG	Mainchain
1	4Y	172	PHE	Mainchain,Sidechain
1	4Y	179	VAL	Mainchain
1	4Y	180	VAL	Mainchain
1	4Y	182	PHE	Sidechain
1	4Y	20	GLU	Mainchain
1	4Y	21	ASN	Peptide
1	4Y	22	HIS	Sidechain
1	4Y	23	GLY	Mainchain
1	4Y	24	VAL	Mainchain
1	4Y	25	ASP	Peptide
1	4Y	26	ALA	Mainchain,Peptide
1	4Y	27	LYS	Peptide
1	4Y	29	TYR	Sidechain
1	4Y	30	PHE	Mainchain,Sidechain
1	4Y	34	ALA	Mainchain
1	4Y	35	THR	Mainchain

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Mol	Chain	Res	Type	Group
1	4Y	36	THR	Mainchain
1	4Y	37	ALA	Mainchain
1	4Y	38	PRO	Mainchain
1	4Y	39	GLN	Mainchain,Sidechain
1	4Y	41	ILE	Mainchain,Peptide
1	4Y	43	HIS	Mainchain
1	4Y	47	VAL	Peptide
1	4Y	48	TYR	Sidechain
1	4Y	50	ARG	Mainchain
1	4Y	52	PHE	Sidechain
1	4Y	64	TYR	Mainchain
1	4Y	65	PHE	Mainchain,Peptide,Sidechain
1	4Y	66	ARG	Mainchain,Sidechain
1	4Y	79	THR	Mainchain
1	4Y	8	LEU	Peptide
1	4Y	80	PHE	Sidechain
1	4Y	81	ASN	Sidechain
1	4Y	82	ARG	Sidechain
1	4Y	84	ARG	Mainchain,Peptide,Sidechain
1	4Y	88	GLY	Peptide
1	4Y	89	PHE	Mainchain,Peptide,Sidechain
1	4Y	9	PHE	Sidechain
1	4Y	90	PHE	Sidechain
1	4Y	91	PRO	Mainchain
1	4Y	92	ASN	Peptide
1	4Y	94	THR	Peptide
1	4Y	96	ASP	Peptide,Sidechain
1	4Y	97	SER	Peptide
2	4Z	106	GLY	Mainchain
2	4Z	107	PHE	Peptide,Sidechain
2	4Z	108	HIS	Peptide
2	4Z	15	VAL	Mainchain
2	4Z	2	GLU	Mainchain
2	4Z	209	LEU	Mainchain
2	4Z	215	GLN	Sidechain
2	4Z	216	ASN	Mainchain,Sidechain
2	4Z	217	PRO	Mainchain
2	4Z	22	GLN	Sidechain
2	4Z	220	PHE	Sidechain
2	4Z	222	GLN	Sidechain
2	4Z	224	VAL	Peptide
2	4Z	225	ASN	Mainchain

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Mol	Chain	Res	Type	Group
2	4Z	226	ILE	Peptide
2	4Z	227	TYR	Sidechain
2	4Z	228	ASP	Mainchain
2	4Z	229	ASN	Sidechain
2	4Z	23	HIS	Mainchain,Sidechain
2	4Z	25	SER	Peptide
2	4Z	28	THR	Mainchain
2	4Z	29	MET	Mainchain
2	4Z	30	PRO	Mainchain,Peptide
2	4Z	31	PHE	Mainchain,Sidechain
2	4Z	35	PHE	Mainchain,Sidechain
2	4Z	36	SER	Mainchain
2	4Z	37	ASN	Mainchain
2	4Z	38	VAL	Mainchain
2	4Z	39	ASP	Mainchain
2	4Z	4	GLU	Mainchain,Peptide
2	4Z	40	ASN	Sidechain
2	4Z	41	PHE	Mainchain,Peptide,Sidechain
2	4Z	44	MET	Mainchain
2	4Z	46	TYR	Mainchain,Peptide,Sidechain
2	4Z	47	ASP	Sidechain
2	4Z	50	THR	Mainchain
2	4Z	52	ASP	Peptide
2	4Z	54	ASN	Mainchain,Sidechain
2	4Z	55	PRO	Mainchain
2	4Z	56	SER	Mainchain
2	4Z	57	LYS	Mainchain,Peptide
2	4Z	59	VAL	Mainchain
2	4Z	67	THR	Mainchain
2	4Z	70	TRP	Mainchain
2	4Z	71	ALA	Peptide
2	4Z	72	ARG	Peptide,Sidechain
2	4Z	73	GLY	Mainchain
2	4Z	74	TYR	Peptide,Sidechain
2	4Z	75	GLN	Peptide
2	4Z	77	THR	Mainchain
2	4Z	78	HIS	Sidechain
2	4Z	8	VAL	Mainchain,Peptide
2	4Z	9	VAL	Mainchain
2	4Z	91[B]	LYS	Mainchain
4	51	27	PHE	Sidechain
1	52	1	ASP	Mainchain

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Mol	Chain	Res	Type	Group
1	52	13	ALA	Mainchain
1	52	14	ASP	Mainchain
1	52	146	ASN	Sidechain
1	52	147	ARG	Sidechain
1	52	149	THR	Mainchain,Peptide
1	52	150	TYR	Mainchain,Sidechain
1	52	152	SER	Mainchain
1	52	154	SER	Mainchain
1	52	155	PRO	Mainchain,Peptide
1	52	156	SER	Mainchain
1	52	16	THR	Mainchain,Peptide
1	52	166	MET	Mainchain
1	52	167	GLY	Mainchain,Peptide
1	52	169	ASP	Mainchain
1	52	17	THR	Mainchain,Peptide
1	52	170	ALA	Peptide
1	52	171	ARG	Mainchain
1	52	172	PHE	Mainchain,Sidechain
1	52	179	VAL	Mainchain
1	52	180	VAL	Mainchain
1	52	182	PHE	Sidechain
1	52	20	GLU	Mainchain
1	52	21	ASN	Peptide
1	52	22	HIS	Sidechain
1	52	23	GLY	Mainchain
1	52	24	VAL	Mainchain
1	52	25	ASP	Peptide
1	52	26	ALA	Mainchain,Peptide
1	52	27	LYS	Peptide
1	52	29	TYR	Sidechain
1	52	30	PHE	Mainchain,Sidechain
1	52	34	ALA	Mainchain
1	52	35	THR	Mainchain
1	52	36	THR	Mainchain
1	52	37	ALA	Mainchain
1	52	38	PRO	Mainchain
1	52	39	GLN	Mainchain,Sidechain
1	52	41	ILE	Mainchain,Peptide
1	52	43	HIS	Mainchain
1	52	47	VAL	Peptide
1	52	48	TYR	Sidechain
1	52	50	ARG	Mainchain

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Mol	Chain	Res	Type	Group
1	52	52	PHE	Sidechain
1	52	64	TYR	Mainchain
1	52	65	PHE	Mainchain,Peptide,Sidechain
1	52	66	ARG	Mainchain,Sidechain
1	52	79	THR	Mainchain
1	52	8	LEU	Peptide
1	52	80	PHE	Sidechain
1	52	81	ASN	Sidechain
1	52	82	ARG	Sidechain
1	52	84	ARG	Mainchain,Peptide,Sidechain
1	52	88	GLY	Peptide
1	52	89	PHE	Mainchain,Peptide,Sidechain
1	52	9	PHE	Sidechain
1	52	90	PHE	Sidechain
1	52	91	PRO	Mainchain
1	52	92	ASN	Peptide
1	52	94	THR	Peptide
1	52	96	ASP	Peptide,Sidechain
1	52	97	SER	Peptide
2	53	106	GLY	Mainchain
2	53	107	PHE	Peptide,Sidechain
2	53	108	HIS	Peptide
2	53	15	VAL	Mainchain
2	53	2	GLU	Mainchain
2	53	209	LEU	Mainchain
2	53	215	GLN	Sidechain
2	53	216	ASN	Mainchain,Sidechain
2	53	217	PRO	Mainchain
2	53	22	GLN	Sidechain
2	53	220	PHE	Sidechain
2	53	222	GLN	Sidechain
2	53	224	VAL	Peptide
2	53	225	ASN	Mainchain
2	53	226	ILE	Peptide
2	53	227	TYR	Sidechain
2	53	228	ASP	Mainchain
2	53	229	ASN	Sidechain
2	53	23	HIS	Mainchain,Sidechain
2	53	25	SER	Peptide
2	53	28	THR	Mainchain
2	53	29	MET	Mainchain
2	53	30	PRO	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
2	53	31	PHE	Mainchain,Sidechain
2	53	35	PHE	Mainchain,Sidechain
2	53	36	SER	Mainchain
2	53	37	ASN	Mainchain
2	53	38	VAL	Mainchain
2	53	39	ASP	Mainchain
2	53	4	GLU	Mainchain,Peptide
2	53	40	ASN	Sidechain
2	53	41	PHE	Mainchain,Peptide,Sidechain
2	53	44	MET	Mainchain
2	53	46	TYR	Mainchain,Peptide,Sidechain
2	53	47	ASP	Sidechain
2	53	50	THR	Mainchain
2	53	52	ASP	Peptide
2	53	54	ASN	Mainchain,Sidechain
2	53	55	PRO	Mainchain
2	53	56	SER	Mainchain
2	53	57	LYS	Mainchain,Peptide
2	53	59	VAL	Mainchain
2	53	67	THR	Mainchain
2	53	70	TRP	Mainchain
2	53	71	ALA	Peptide
2	53	72	ARG	Peptide,Sidechain
2	53	73	GLY	Mainchain
2	53	74	TYR	Peptide,Sidechain
2	53	75	GLN	Peptide
2	53	77	THR	Mainchain
2	53	78	HIS	Sidechain
2	53	8	VAL	Mainchain,Peptide
2	53	9	VAL	Mainchain
2	53	91[B]	LYS	Mainchain
4	55	27	PHE	Sidechain
1	56	1	ASP	Mainchain
1	56	13	ALA	Mainchain
1	56	14	ASP	Mainchain
1	56	146	ASN	Sidechain
1	56	147	ARG	Sidechain
1	56	149	THR	Mainchain,Peptide
1	56	150	TYR	Mainchain,Sidechain
1	56	152	SER	Mainchain
1	56	154	SER	Mainchain
1	56	155	PRO	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
1	56	156	SER	Mainchain
1	56	16	THR	Mainchain,Peptide
1	56	166	MET	Mainchain
1	56	167	GLY	Mainchain,Peptide
1	56	169	ASP	Mainchain
1	56	17	THR	Mainchain,Peptide
1	56	170	ALA	Peptide
1	56	171	ARG	Mainchain
1	56	172	PHE	Mainchain,Sidechain
1	56	179	VAL	Mainchain
1	56	180	VAL	Mainchain
1	56	182	PHE	Sidechain
1	56	20	GLU	Mainchain
1	56	21	ASN	Peptide
1	56	22	HIS	Sidechain
1	56	23	GLY	Mainchain
1	56	24	VAL	Mainchain
1	56	25	ASP	Peptide
1	56	26	ALA	Mainchain,Peptide
1	56	27	LYS	Peptide
1	56	29	TYR	Sidechain
1	56	30	PHE	Mainchain,Sidechain
1	56	34	ALA	Mainchain
1	56	35	THR	Mainchain
1	56	36	THR	Mainchain
1	56	37	ALA	Mainchain
1	56	38	PRO	Mainchain
1	56	39	GLN	Mainchain,Sidechain
1	56	41	ILE	Mainchain,Peptide
1	56	43	HIS	Mainchain
1	56	47	VAL	Peptide
1	56	48	TYR	Sidechain
1	56	50	ARG	Mainchain
1	56	52	PHE	Sidechain
1	56	64	TYR	Mainchain
1	56	65	PHE	Mainchain,Peptide,Sidechain
1	56	66	ARG	Mainchain,Sidechain
1	56	79	THR	Mainchain
1	56	8	LEU	Peptide
1	56	80	PHE	Sidechain
1	56	81	ASN	Sidechain
1	56	82	ARG	Sidechain

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Mol	Chain	Res	Type	Group
1	56	84	ARG	Mainchain,Peptide,Sidechain
1	56	88	GLY	Peptide
1	56	89	PHE	Mainchain,Peptide,Sidechain
1	56	9	PHE	Sidechain
1	56	90	PHE	Sidechain
1	56	91	PRO	Mainchain
1	56	92	ASN	Peptide
1	56	94	THR	Peptide
1	56	96	ASP	Peptide,Sidechain
1	56	97	SER	Peptide
2	57	106	GLY	Mainchain
2	57	107	PHE	Peptide,Sidechain
2	57	108	HIS	Peptide
2	57	15	VAL	Mainchain
2	57	2	GLU	Mainchain
2	57	209	LEU	Mainchain
2	57	215	GLN	Sidechain
2	57	216	ASN	Mainchain,Sidechain
2	57	217	PRO	Mainchain
2	57	22	GLN	Sidechain
2	57	220	PHE	Sidechain
2	57	222	GLN	Sidechain
2	57	224	VAL	Peptide
2	57	225	ASN	Mainchain
2	57	226	ILE	Peptide
2	57	227	TYR	Sidechain
2	57	228	ASP	Mainchain
2	57	229	ASN	Sidechain
2	57	23	HIS	Mainchain,Sidechain
2	57	25	SER	Peptide
2	57	28	THR	Mainchain
2	57	29	MET	Mainchain
2	57	30	PRO	Mainchain,Peptide
2	57	31	PHE	Mainchain,Sidechain
2	57	35	PHE	Mainchain,Sidechain
2	57	36	SER	Mainchain
2	57	37	ASN	Mainchain
2	57	38	VAL	Mainchain
2	57	39	ASP	Mainchain
2	57	4	GLU	Mainchain,Peptide
2	57	40	ASN	Sidechain
2	57	41	PHE	Mainchain,Peptide,Sidechain

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Mol	Chain	Res	Type	Group
2	57	44	MET	Mainchain
2	57	46	TYR	Mainchain,Peptide,Sidechain
2	57	47	ASP	Sidechain
2	57	50	THR	Mainchain
2	57	52	ASP	Peptide
2	57	54	ASN	Mainchain,Sidechain
2	57	55	PRO	Mainchain
2	57	56	SER	Mainchain
2	57	57	LYS	Mainchain,Peptide
2	57	59	VAL	Mainchain
2	57	67	THR	Mainchain
2	57	70	TRP	Mainchain
2	57	71	ALA	Peptide
2	57	72	ARG	Peptide,Sidechain
2	57	73	GLY	Mainchain
2	57	74	TYR	Peptide,Sidechain
2	57	75	GLN	Peptide
2	57	77	THR	Mainchain
2	57	78	HIS	Sidechain
2	57	8	VAL	Mainchain,Peptide
2	57	9	VAL	Mainchain
2	57	91[B]	LYS	Mainchain
4	59	27	PHE	Sidechain
1	5A	1	ASP	Mainchain
1	5A	13	ALA	Mainchain
1	5A	14	ASP	Mainchain
1	5A	146	ASN	Sidechain
1	5A	147	ARG	Sidechain
1	5A	149	THR	Mainchain,Peptide
1	5A	150	TYR	Mainchain,Sidechain
1	5A	152	SER	Mainchain
1	5A	154	SER	Mainchain
1	5A	155	PRO	Mainchain,Peptide
1	5A	156	SER	Mainchain
1	5A	16	THR	Mainchain,Peptide
1	5A	166	MET	Mainchain
1	5A	167	GLY	Mainchain,Peptide
1	5A	169	ASP	Mainchain
1	5A	17	THR	Mainchain,Peptide
1	5A	170	ALA	Peptide
1	5A	171	ARG	Mainchain
1	5A	172	PHE	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
1	5A	179	VAL	Mainchain
1	5A	180	VAL	Mainchain
1	5A	182	PHE	Sidechain
1	5A	20	GLU	Mainchain
1	5A	21	ASN	Peptide
1	5A	22	HIS	Sidechain
1	5A	23	GLY	Mainchain
1	5A	24	VAL	Mainchain
1	5A	25	ASP	Peptide
1	5A	26	ALA	Mainchain,Peptide
1	5A	27	LYS	Peptide
1	5A	29	TYR	Sidechain
1	5A	30	PHE	Mainchain,Sidechain
1	5A	34	ALA	Mainchain
1	5A	35	THR	Mainchain
1	5A	36	THR	Mainchain
1	5A	37	ALA	Mainchain
1	5A	38	PRO	Mainchain
1	5A	39	GLN	Mainchain,Sidechain
1	5A	41	ILE	Mainchain,Peptide
1	5A	43	HIS	Mainchain
1	5A	47	VAL	Peptide
1	5A	48	TYR	Sidechain
1	5A	50	ARG	Mainchain
1	5A	52	PHE	Sidechain
1	5A	64	TYR	Mainchain
1	5A	65	PHE	Mainchain,Peptide,Sidechain
1	5A	66	ARG	Mainchain,Sidechain
1	5A	79	THR	Mainchain
1	5A	8	LEU	Peptide
1	5A	80	PHE	Sidechain
1	5A	81	ASN	Sidechain
1	5A	82	ARG	Sidechain
1	5A	84	ARG	Mainchain,Peptide,Sidechain
1	5A	88	GLY	Peptide
1	5A	89	PHE	Mainchain,Peptide,Sidechain
1	5A	9	PHE	Sidechain
1	5A	90	PHE	Sidechain
1	5A	91	PRO	Mainchain
1	5A	92	ASN	Peptide
1	5A	94	THR	Peptide
1	5A	96	ASP	Peptide,Sidechain

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Mol	Chain	Res	Type	Group
1	5A	97	SER	Peptide
2	5B	106	GLY	Mainchain
2	5B	107	PHE	Peptide,Sidechain
2	5B	108	HIS	Peptide
2	5B	15	VAL	Mainchain
2	5B	2	GLU	Mainchain
2	5B	209	LEU	Mainchain
2	5B	215	GLN	Sidechain
2	5B	216	ASN	Mainchain,Sidechain
2	5B	217	PRO	Mainchain
2	5B	22	GLN	Sidechain
2	5B	220	PHE	Sidechain
2	5B	222	GLN	Sidechain
2	5B	224	VAL	Peptide
2	5B	225	ASN	Mainchain
2	5B	226	ILE	Peptide
2	5B	227	TYR	Sidechain
2	5B	228	ASP	Mainchain
2	5B	229	ASN	Sidechain
2	5B	23	HIS	Mainchain,Sidechain
2	5B	25	SER	Peptide
2	5B	28	THR	Mainchain
2	5B	29	MET	Mainchain
2	5B	30	PRO	Mainchain,Peptide
2	5B	31	PHE	Mainchain,Sidechain
2	5B	35	PHE	Mainchain,Sidechain
2	5B	36	SER	Mainchain
2	5B	37	ASN	Mainchain
2	5B	38	VAL	Mainchain
2	5B	39	ASP	Mainchain
2	5B	4	GLU	Mainchain,Peptide
2	5B	40	ASN	Sidechain
2	5B	41	PHE	Mainchain,Peptide,Sidechain
2	5B	44	MET	Mainchain
2	5B	46	TYR	Mainchain,Peptide,Sidechain
2	5B	47	ASP	Sidechain
2	5B	50	THR	Mainchain
2	5B	52	ASP	Peptide
2	5B	54	ASN	Mainchain,Sidechain
2	5B	55	PRO	Mainchain
2	5B	56	SER	Mainchain
2	5B	57	LYS	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
2	5B	59	VAL	Mainchain
2	5B	67	THR	Mainchain
2	5B	70	TRP	Mainchain
2	5B	71	ALA	Peptide
2	5B	72	ARG	Peptide,Sidechain
2	5B	73	GLY	Mainchain
2	5B	74	TYR	Peptide,Sidechain
2	5B	75	GLN	Peptide
2	5B	77	THR	Mainchain
2	5B	78	HIS	Sidechain
2	5B	8	VAL	Mainchain,Peptide
2	5B	9	VAL	Mainchain
2	5B	91[B]	LYS	Mainchain
4	5D	27	PHE	Sidechain
1	5E	1	ASP	Mainchain
1	5E	13	ALA	Mainchain
1	5E	14	ASP	Mainchain
1	5E	146	ASN	Sidechain
1	5E	147	ARG	Sidechain
1	5E	149	THR	Mainchain,Peptide
1	5E	150	TYR	Mainchain,Sidechain
1	5E	152	SER	Mainchain
1	5E	154	SER	Mainchain
1	5E	155	PRO	Mainchain,Peptide
1	5E	156	SER	Mainchain
1	5E	16	THR	Mainchain,Peptide
1	5E	166	MET	Mainchain
1	5E	167	GLY	Mainchain,Peptide
1	5E	169	ASP	Mainchain
1	5E	17	THR	Mainchain,Peptide
1	5E	170	ALA	Peptide
1	5E	171	ARG	Mainchain
1	5E	172	PHE	Mainchain,Sidechain
1	5E	179	VAL	Mainchain
1	5E	180	VAL	Mainchain
1	5E	182	PHE	Sidechain
1	5E	20	GLU	Mainchain
1	5E	21	ASN	Peptide
1	5E	22	HIS	Sidechain
1	5E	23	GLY	Mainchain
1	5E	24	VAL	Mainchain
1	5E	25	ASP	Peptide

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Mol	Chain	Res	Type	Group
1	5E	26	ALA	Mainchain,Peptide
1	5E	27	LYS	Peptide
1	5E	29	TYR	Sidechain
1	5E	30	PHE	Mainchain,Sidechain
1	5E	34	ALA	Mainchain
1	5E	35	THR	Mainchain
1	5E	36	THR	Mainchain
1	5E	37	ALA	Mainchain
1	5E	38	PRO	Mainchain
1	5E	39	GLN	Mainchain,Sidechain
1	5E	41	ILE	Mainchain,Peptide
1	5E	43	HIS	Mainchain
1	5E	47	VAL	Peptide
1	5E	48	TYR	Sidechain
1	5E	50	ARG	Mainchain
1	5E	52	PHE	Sidechain
1	5E	64	TYR	Mainchain
1	5E	65	PHE	Mainchain,Peptide,Sidechain
1	5E	66	ARG	Mainchain,Sidechain
1	5E	79	THR	Mainchain
1	5E	8	LEU	Peptide
1	5E	80	PHE	Sidechain
1	5E	81	ASN	Sidechain
1	5E	82	ARG	Sidechain
1	5E	84	ARG	Mainchain,Peptide,Sidechain
1	5E	88	GLY	Peptide
1	5E	89	PHE	Mainchain,Peptide,Sidechain
1	5E	9	PHE	Sidechain
1	5E	90	PHE	Sidechain
1	5E	91	PRO	Mainchain
1	5E	92	ASN	Peptide
1	5E	94	THR	Peptide
1	5E	96	ASP	Peptide,Sidechain
1	5E	97	SER	Peptide
2	5F	106	GLY	Mainchain
2	5F	107	PHE	Peptide,Sidechain
2	5F	108	HIS	Peptide
2	5F	15	VAL	Mainchain
2	5F	2	GLU	Mainchain
2	5F	209	LEU	Mainchain
2	5F	215	GLN	Sidechain
2	5F	216	ASN	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
2	5F	217	PRO	Mainchain
2	5F	22	GLN	Sidechain
2	5F	220	PHE	Sidechain
2	5F	222	GLN	Sidechain
2	5F	224	VAL	Peptide
2	5F	225	ASN	Mainchain
2	5F	226	ILE	Peptide
2	5F	227	TYR	Sidechain
2	5F	228	ASP	Mainchain
2	5F	229	ASN	Sidechain
2	5F	23	HIS	Mainchain,Sidechain
2	5F	25	SER	Peptide
2	5F	28	THR	Mainchain
2	5F	29	MET	Mainchain
2	5F	30	PRO	Mainchain,Peptide
2	5F	31	PHE	Mainchain,Sidechain
2	5F	35	PHE	Mainchain,Sidechain
2	5F	36	SER	Mainchain
2	5F	37	ASN	Mainchain
2	5F	38	VAL	Mainchain
2	5F	39	ASP	Mainchain
2	5F	4	GLU	Mainchain,Peptide
2	5F	40	ASN	Sidechain
2	5F	41	PHE	Mainchain,Peptide,Sidechain
2	5F	44	MET	Mainchain
2	5F	46	TYR	Mainchain,Peptide,Sidechain
2	5F	47	ASP	Sidechain
2	5F	50	THR	Mainchain
2	5F	52	ASP	Peptide
2	5F	54	ASN	Mainchain,Sidechain
2	5F	55	PRO	Mainchain
2	5F	56	SER	Mainchain
2	5F	57	LYS	Mainchain,Peptide
2	5F	59	VAL	Mainchain
2	5F	67	THR	Mainchain
2	5F	70	TRP	Mainchain
2	5F	71	ALA	Peptide
2	5F	72	ARG	Peptide,Sidechain
2	5F	73	GLY	Mainchain
2	5F	74	TYR	Peptide,Sidechain
2	5F	75	GLN	Peptide
2	5F	77	THR	Mainchain

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Mol	Chain	Res	Type	Group
2	5F	78	HIS	Sidechain
2	5F	8	VAL	Mainchain,Peptide
2	5F	9	VAL	Mainchain
2	5F	91[B]	LYS	Mainchain
4	5H	27	PHE	Sidechain
1	5I	1	ASP	Mainchain
1	5I	13	ALA	Mainchain
1	5I	14	ASP	Mainchain
1	5I	146	ASN	Sidechain
1	5I	147	ARG	Sidechain
1	5I	149	THR	Mainchain,Peptide
1	5I	150	TYR	Mainchain,Sidechain
1	5I	152	SER	Mainchain
1	5I	154	SER	Mainchain
1	5I	155	PRO	Mainchain,Peptide
1	5I	156	SER	Mainchain
1	5I	16	THR	Mainchain,Peptide
1	5I	166	MET	Mainchain
1	5I	167	GLY	Mainchain,Peptide
1	5I	169	ASP	Mainchain
1	5I	17	THR	Mainchain,Peptide
1	5I	170	ALA	Peptide
1	5I	171	ARG	Mainchain
1	5I	172	PHE	Mainchain,Sidechain
1	5I	179	VAL	Mainchain
1	5I	180	VAL	Mainchain
1	5I	182	PHE	Sidechain
1	5I	20	GLU	Mainchain
1	5I	21	ASN	Peptide
1	5I	22	HIS	Sidechain
1	5I	23	GLY	Mainchain
1	5I	24	VAL	Mainchain
1	5I	25	ASP	Peptide
1	5I	26	ALA	Mainchain,Peptide
1	5I	27	LYS	Peptide
1	5I	29	TYR	Sidechain
1	5I	30	PHE	Mainchain,Sidechain
1	5I	34	ALA	Mainchain
1	5I	35	THR	Mainchain
1	5I	36	THR	Mainchain
1	5I	37	ALA	Mainchain
1	5I	38	PRO	Mainchain

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Mol	Chain	Res	Type	Group
1	5I	39	GLN	Mainchain,Sidechain
1	5I	41	ILE	Mainchain,Peptide
1	5I	43	HIS	Mainchain
1	5I	47	VAL	Peptide
1	5I	48	TYR	Sidechain
1	5I	50	ARG	Mainchain
1	5I	52	PHE	Sidechain
1	5I	64	TYR	Mainchain
1	5I	65	PHE	Mainchain,Peptide,Sidechain
1	5I	66	ARG	Mainchain,Sidechain
1	5I	79	THR	Mainchain
1	5I	8	LEU	Peptide
1	5I	80	PHE	Sidechain
1	5I	81	ASN	Sidechain
1	5I	82	ARG	Sidechain
1	5I	84	ARG	Mainchain,Peptide,Sidechain
1	5I	88	GLY	Peptide
1	5I	89	PHE	Mainchain,Peptide,Sidechain
1	5I	9	PHE	Sidechain
1	5I	90	PHE	Sidechain
1	5I	91	PRO	Mainchain
1	5I	92	ASN	Peptide
1	5I	94	THR	Peptide
1	5I	96	ASP	Peptide,Sidechain
1	5I	97	SER	Peptide
2	5J	106	GLY	Mainchain
2	5J	107	PHE	Peptide,Sidechain
2	5J	108	HIS	Peptide
2	5J	15	VAL	Mainchain
2	5J	2	GLU	Mainchain
2	5J	209	LEU	Mainchain
2	5J	215	GLN	Sidechain
2	5J	216	ASN	Mainchain,Sidechain
2	5J	217	PRO	Mainchain
2	5J	22	GLN	Sidechain
2	5J	220	PHE	Sidechain
2	5J	222	GLN	Sidechain
2	5J	224	VAL	Peptide
2	5J	225	ASN	Mainchain
2	5J	226	ILE	Peptide
2	5J	227	TYR	Sidechain
2	5J	228	ASP	Mainchain

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Mol	Chain	Res	Type	Group
2	5J	229	ASN	Sidechain
2	5J	23	HIS	Mainchain,Sidechain
2	5J	25	SER	Peptide
2	5J	28	THR	Mainchain
2	5J	29	MET	Mainchain
2	5J	30	PRO	Mainchain,Peptide
2	5J	31	PHE	Mainchain,Sidechain
2	5J	35	PHE	Mainchain,Sidechain
2	5J	36	SER	Mainchain
2	5J	37	ASN	Mainchain
2	5J	38	VAL	Mainchain
2	5J	39	ASP	Mainchain
2	5J	4	GLU	Mainchain,Peptide
2	5J	40	ASN	Sidechain
2	5J	41	PHE	Mainchain,Peptide,Sidechain
2	5J	44	MET	Mainchain
2	5J	46	TYR	Mainchain,Peptide,Sidechain
2	5J	47	ASP	Sidechain
2	5J	50	THR	Mainchain
2	5J	52	ASP	Peptide
2	5J	54	ASN	Mainchain,Sidechain
2	5J	55	PRO	Mainchain
2	5J	56	SER	Mainchain
2	5J	57	LYS	Mainchain,Peptide
2	5J	59	VAL	Mainchain
2	5J	67	THR	Mainchain
2	5J	70	TRP	Mainchain
2	5J	71	ALA	Peptide
2	5J	72	ARG	Peptide,Sidechain
2	5J	73	GLY	Mainchain
2	5J	74	TYR	Peptide,Sidechain
2	5J	75	GLN	Peptide
2	5J	77	THR	Mainchain
2	5J	78	HIS	Sidechain
2	5J	8	VAL	Mainchain,Peptide
2	5J	9	VAL	Mainchain
2	5J	91[B]	LYS	Mainchain
4	5L	27	PHE	Sidechain
1	5M	1	ASP	Mainchain
1	5M	13	ALA	Mainchain
1	5M	14	ASP	Mainchain
1	5M	146	ASN	Sidechain

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Mol	Chain	Res	Type	Group
1	5M	147	ARG	Sidechain
1	5M	149	THR	Mainchain,Peptide
1	5M	150	TYR	Mainchain,Sidechain
1	5M	152	SER	Mainchain
1	5M	154	SER	Mainchain
1	5M	155	PRO	Mainchain,Peptide
1	5M	156	SER	Mainchain
1	5M	16	THR	Mainchain,Peptide
1	5M	166	MET	Mainchain
1	5M	167	GLY	Mainchain,Peptide
1	5M	169	ASP	Mainchain
1	5M	17	THR	Mainchain,Peptide
1	5M	170	ALA	Peptide
1	5M	171	ARG	Mainchain
1	5M	172	PHE	Mainchain,Sidechain
1	5M	179	VAL	Mainchain
1	5M	180	VAL	Mainchain
1	5M	182	PHE	Sidechain
1	5M	20	GLU	Mainchain
1	5M	21	ASN	Peptide
1	5M	22	HIS	Sidechain
1	5M	23	GLY	Mainchain
1	5M	24	VAL	Mainchain
1	5M	25	ASP	Peptide
1	5M	26	ALA	Mainchain,Peptide
1	5M	27	LYS	Peptide
1	5M	29	TYR	Sidechain
1	5M	30	PHE	Mainchain,Sidechain
1	5M	34	ALA	Mainchain
1	5M	35	THR	Mainchain
1	5M	36	THR	Mainchain
1	5M	37	ALA	Mainchain
1	5M	38	PRO	Mainchain
1	5M	39	GLN	Mainchain,Sidechain
1	5M	41	ILE	Mainchain,Peptide
1	5M	43	HIS	Mainchain
1	5M	47	VAL	Peptide
1	5M	48	TYR	Sidechain
1	5M	50	ARG	Mainchain
1	5M	52	PHE	Sidechain
1	5M	64	TYR	Mainchain
1	5M	65	PHE	Mainchain,Peptide,Sidechain

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Mol	Chain	Res	Type	Group
1	5M	66	ARG	Mainchain,Sidechain
1	5M	79	THR	Mainchain
1	5M	8	LEU	Peptide
1	5M	80	PHE	Sidechain
1	5M	81	ASN	Sidechain
1	5M	82	ARG	Sidechain
1	5M	84	ARG	Mainchain,Peptide,Sidechain
1	5M	88	GLY	Peptide
1	5M	89	PHE	Mainchain,Peptide,Sidechain
1	5M	9	PHE	Sidechain
1	5M	90	PHE	Sidechain
1	5M	91	PRO	Mainchain
1	5M	92	ASN	Peptide
1	5M	94	THR	Peptide
1	5M	96	ASP	Peptide,Sidechain
1	5M	97	SER	Peptide
2	5N	106	GLY	Mainchain
2	5N	107	PHE	Peptide,Sidechain
2	5N	108	HIS	Peptide
2	5N	15	VAL	Mainchain
2	5N	2	GLU	Mainchain
2	5N	209	LEU	Mainchain
2	5N	215	GLN	Sidechain
2	5N	216	ASN	Mainchain,Sidechain
2	5N	217	PRO	Mainchain
2	5N	22	GLN	Sidechain
2	5N	220	PHE	Sidechain
2	5N	222	GLN	Sidechain
2	5N	224	VAL	Peptide
2	5N	225	ASN	Mainchain
2	5N	226	ILE	Peptide
2	5N	227	TYR	Sidechain
2	5N	228	ASP	Mainchain
2	5N	229	ASN	Sidechain
2	5N	23	HIS	Mainchain,Sidechain
2	5N	25	SER	Peptide
2	5N	28	THR	Mainchain
2	5N	29	MET	Mainchain
2	5N	30	PRO	Mainchain,Peptide
2	5N	31	PHE	Mainchain,Sidechain
2	5N	35	PHE	Mainchain,Sidechain
2	5N	36	SER	Mainchain

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Mol	Chain	Res	Type	Group
2	5N	37	ASN	Mainchain
2	5N	38	VAL	Mainchain
2	5N	39	ASP	Mainchain
2	5N	4	GLU	Mainchain,Peptide
2	5N	40	ASN	Sidechain
2	5N	41	PHE	Mainchain,Peptide,Sidechain
2	5N	44	MET	Mainchain
2	5N	46	TYR	Mainchain,Peptide,Sidechain
2	5N	47	ASP	Sidechain
2	5N	50	THR	Mainchain
2	5N	52	ASP	Peptide
2	5N	54	ASN	Mainchain,Sidechain
2	5N	55	PRO	Mainchain
2	5N	56	SER	Mainchain
2	5N	57	LYS	Mainchain,Peptide
2	5N	59	VAL	Mainchain
2	5N	67	THR	Mainchain
2	5N	70	TRP	Mainchain
2	5N	71	ALA	Peptide
2	5N	72	ARG	Peptide,Sidechain
2	5N	73	GLY	Mainchain
2	5N	74	TYR	Peptide,Sidechain
2	5N	75	GLN	Peptide
2	5N	77	THR	Mainchain
2	5N	78	HIS	Sidechain
2	5N	8	VAL	Mainchain,Peptide
2	5N	9	VAL	Mainchain
2	5N	91[B]	LYS	Mainchain
4	5P	27	PHE	Sidechain
1	5Q	1	ASP	Mainchain
1	5Q	13	ALA	Mainchain
1	5Q	14	ASP	Mainchain
1	5Q	146	ASN	Sidechain
1	5Q	147	ARG	Sidechain
1	5Q	149	THR	Mainchain,Peptide
1	5Q	150	TYR	Mainchain,Sidechain
1	5Q	152	SER	Mainchain
1	5Q	154	SER	Mainchain
1	5Q	155	PRO	Mainchain,Peptide
1	5Q	156	SER	Mainchain
1	5Q	16	THR	Mainchain,Peptide
1	5Q	166	MET	Mainchain

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Mol	Chain	Res	Type	Group
1	5Q	167	GLY	Mainchain,Peptide
1	5Q	169	ASP	Mainchain
1	5Q	17	THR	Mainchain,Peptide
1	5Q	170	ALA	Peptide
1	5Q	171	ARG	Mainchain
1	5Q	172	PHE	Mainchain,Sidechain
1	5Q	179	VAL	Mainchain
1	5Q	180	VAL	Mainchain
1	5Q	182	PHE	Sidechain
1	5Q	20	GLU	Mainchain
1	5Q	21	ASN	Peptide
1	5Q	22	HIS	Sidechain
1	5Q	23	GLY	Mainchain
1	5Q	24	VAL	Mainchain
1	5Q	25	ASP	Peptide
1	5Q	26	ALA	Mainchain,Peptide
1	5Q	27	LYS	Peptide
1	5Q	29	TYR	Sidechain
1	5Q	30	PHE	Mainchain,Sidechain
1	5Q	34	ALA	Mainchain
1	5Q	35	THR	Mainchain
1	5Q	36	THR	Mainchain
1	5Q	37	ALA	Mainchain
1	5Q	38	PRO	Mainchain
1	5Q	39	GLN	Mainchain,Sidechain
1	5Q	41	ILE	Mainchain,Peptide
1	5Q	43	HIS	Mainchain
1	5Q	47	VAL	Peptide
1	5Q	48	TYR	Sidechain
1	5Q	50	ARG	Mainchain
1	5Q	52	PHE	Sidechain
1	5Q	64	TYR	Mainchain
1	5Q	65	PHE	Mainchain,Peptide,Sidechain
1	5Q	66	ARG	Mainchain,Sidechain
1	5Q	79	THR	Mainchain
1	5Q	8	LEU	Peptide
1	5Q	80	PHE	Sidechain
1	5Q	81	ASN	Sidechain
1	5Q	82	ARG	Sidechain
1	5Q	84	ARG	Mainchain,Peptide,Sidechain
1	5Q	88	GLY	Peptide
1	5Q	89	PHE	Mainchain,Peptide,Sidechain

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Mol	Chain	Res	Type	Group
1	5Q	9	PHE	Sidechain
1	5Q	90	PHE	Sidechain
1	5Q	91	PRO	Mainchain
1	5Q	92	ASN	Peptide
1	5Q	94	THR	Peptide
1	5Q	96	ASP	Peptide,Sidechain
1	5Q	97	SER	Peptide
2	5R	106	GLY	Mainchain
2	5R	107	PHE	Peptide,Sidechain
2	5R	108	HIS	Peptide
2	5R	15	VAL	Mainchain
2	5R	2	GLU	Mainchain
2	5R	209	LEU	Mainchain
2	5R	215	GLN	Sidechain
2	5R	216	ASN	Mainchain,Sidechain
2	5R	217	PRO	Mainchain
2	5R	22	GLN	Sidechain
2	5R	220	PHE	Sidechain
2	5R	222	GLN	Sidechain
2	5R	224	VAL	Peptide
2	5R	225	ASN	Mainchain
2	5R	226	ILE	Peptide
2	5R	227	TYR	Sidechain
2	5R	228	ASP	Mainchain
2	5R	229	ASN	Sidechain
2	5R	23	HIS	Mainchain,Sidechain
2	5R	25	SER	Peptide
2	5R	28	THR	Mainchain
2	5R	29	MET	Mainchain
2	5R	30	PRO	Mainchain,Peptide
2	5R	31	PHE	Mainchain,Sidechain
2	5R	35	PHE	Mainchain,Sidechain
2	5R	36	SER	Mainchain
2	5R	37	ASN	Mainchain
2	5R	38	VAL	Mainchain
2	5R	39	ASP	Mainchain
2	5R	4	GLU	Mainchain,Peptide
2	5R	40	ASN	Sidechain
2	5R	41	PHE	Mainchain,Peptide,Sidechain
2	5R	44	MET	Mainchain
2	5R	46	TYR	Mainchain,Peptide,Sidechain
2	5R	47	ASP	Sidechain

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Mol	Chain	Res	Type	Group
2	5R	50	THR	Mainchain
2	5R	52	ASP	Peptide
2	5R	54	ASN	Mainchain,Sidechain
2	5R	55	PRO	Mainchain
2	5R	56	SER	Mainchain
2	5R	57	LYS	Mainchain,Peptide
2	5R	59	VAL	Mainchain
2	5R	67	THR	Mainchain
2	5R	70	TRP	Mainchain
2	5R	71	ALA	Peptide
2	5R	72	ARG	Peptide,Sidechain
2	5R	73	GLY	Mainchain
2	5R	74	TYR	Peptide,Sidechain
2	5R	75	GLN	Peptide
2	5R	77	THR	Mainchain
2	5R	78	HIS	Sidechain
2	5R	8	VAL	Mainchain,Peptide
2	5R	9	VAL	Mainchain
2	5R	91[B]	LYS	Mainchain
4	5T	27	PHE	Sidechain
1	5U	1	ASP	Mainchain
1	5U	13	ALA	Mainchain
1	5U	14	ASP	Mainchain
1	5U	146	ASN	Sidechain
1	5U	147	ARG	Sidechain
1	5U	149	THR	Mainchain,Peptide
1	5U	150	TYR	Mainchain,Sidechain
1	5U	152	SER	Mainchain
1	5U	154	SER	Mainchain
1	5U	155	PRO	Mainchain,Peptide
1	5U	156	SER	Mainchain
1	5U	16	THR	Mainchain,Peptide
1	5U	166	MET	Mainchain
1	5U	167	GLY	Mainchain,Peptide
1	5U	169	ASP	Mainchain
1	5U	17	THR	Mainchain,Peptide
1	5U	170	ALA	Peptide
1	5U	171	ARG	Mainchain
1	5U	172	PHE	Mainchain,Sidechain
1	5U	179	VAL	Mainchain
1	5U	180	VAL	Mainchain
1	5U	182	PHE	Sidechain

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Mol	Chain	Res	Type	Group
1	5U	20	GLU	Mainchain
1	5U	21	ASN	Peptide
1	5U	22	HIS	Sidechain
1	5U	23	GLY	Mainchain
1	5U	24	VAL	Mainchain
1	5U	25	ASP	Peptide
1	5U	26	ALA	Mainchain,Peptide
1	5U	27	LYS	Peptide
1	5U	29	TYR	Sidechain
1	5U	30	PHE	Mainchain,Sidechain
1	5U	34	ALA	Mainchain
1	5U	35	THR	Mainchain
1	5U	36	THR	Mainchain
1	5U	37	ALA	Mainchain
1	5U	38	PRO	Mainchain
1	5U	39	GLN	Mainchain,Sidechain
1	5U	41	ILE	Mainchain,Peptide
1	5U	43	HIS	Mainchain
1	5U	47	VAL	Peptide
1	5U	48	TYR	Sidechain
1	5U	50	ARG	Mainchain
1	5U	52	PHE	Sidechain
1	5U	64	TYR	Mainchain
1	5U	65	PHE	Mainchain,Peptide,Sidechain
1	5U	66	ARG	Mainchain,Sidechain
1	5U	79	THR	Mainchain
1	5U	8	LEU	Peptide
1	5U	80	PHE	Sidechain
1	5U	81	ASN	Sidechain
1	5U	82	ARG	Sidechain
1	5U	84	ARG	Mainchain,Peptide,Sidechain
1	5U	88	GLY	Peptide
1	5U	89	PHE	Mainchain,Peptide,Sidechain
1	5U	9	PHE	Sidechain
1	5U	90	PHE	Sidechain
1	5U	91	PRO	Mainchain
1	5U	92	ASN	Peptide
1	5U	94	THR	Peptide
1	5U	96	ASP	Peptide,Sidechain
1	5U	97	SER	Peptide
2	5V	106	GLY	Mainchain
2	5V	107	PHE	Peptide,Sidechain

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Mol	Chain	Res	Type	Group
2	5V	108	HIS	Peptide
2	5V	15	VAL	Mainchain
2	5V	2	GLU	Mainchain
2	5V	209	LEU	Mainchain
2	5V	215	GLN	Sidechain
2	5V	216	ASN	Mainchain,Sidechain
2	5V	217	PRO	Mainchain
2	5V	22	GLN	Sidechain
2	5V	220	PHE	Sidechain
2	5V	222	GLN	Sidechain
2	5V	224	VAL	Peptide
2	5V	225	ASN	Mainchain
2	5V	226	ILE	Peptide
2	5V	227	TYR	Sidechain
2	5V	228	ASP	Mainchain
2	5V	229	ASN	Sidechain
2	5V	23	HIS	Mainchain,Sidechain
2	5V	25	SER	Peptide
2	5V	28	THR	Mainchain
2	5V	29	MET	Mainchain
2	5V	30	PRO	Mainchain,Peptide
2	5V	31	PHE	Mainchain,Sidechain
2	5V	35	PHE	Mainchain,Sidechain
2	5V	36	SER	Mainchain
2	5V	37	ASN	Mainchain
2	5V	38	VAL	Mainchain
2	5V	39	ASP	Mainchain
2	5V	4	GLU	Mainchain,Peptide
2	5V	40	ASN	Sidechain
2	5V	41	PHE	Mainchain,Peptide,Sidechain
2	5V	44	MET	Mainchain
2	5V	46	TYR	Mainchain,Peptide,Sidechain
2	5V	47	ASP	Sidechain
2	5V	50	THR	Mainchain
2	5V	52	ASP	Peptide
2	5V	54	ASN	Mainchain,Sidechain
2	5V	55	PRO	Mainchain
2	5V	56	SER	Mainchain
2	5V	57	LYS	Mainchain,Peptide
2	5V	59	VAL	Mainchain
2	5V	67	THR	Mainchain
2	5V	70	TRP	Mainchain

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Mol	Chain	Res	Type	Group
2	5V	71	ALA	Peptide
2	5V	72	ARG	Peptide,Sidechain
2	5V	73	GLY	Mainchain
2	5V	74	TYR	Peptide,Sidechain
2	5V	75	GLN	Peptide
2	5V	77	THR	Mainchain
2	5V	78	HIS	Sidechain
2	5V	8	VAL	Mainchain,Peptide
2	5V	9	VAL	Mainchain
2	5V	91[B]	LYS	Mainchain
4	5X	27	PHE	Sidechain
1	5Y	1	ASP	Mainchain
1	5Y	13	ALA	Mainchain
1	5Y	14	ASP	Mainchain
1	5Y	146	ASN	Sidechain
1	5Y	147	ARG	Sidechain
1	5Y	149	THR	Mainchain,Peptide
1	5Y	150	TYR	Mainchain,Sidechain
1	5Y	152	SER	Mainchain
1	5Y	154	SER	Mainchain
1	5Y	155	PRO	Mainchain,Peptide
1	5Y	156	SER	Mainchain
1	5Y	16	THR	Mainchain,Peptide
1	5Y	166	MET	Mainchain
1	5Y	167	GLY	Mainchain,Peptide
1	5Y	169	ASP	Mainchain
1	5Y	17	THR	Mainchain,Peptide
1	5Y	170	ALA	Peptide
1	5Y	171	ARG	Mainchain
1	5Y	172	PHE	Mainchain,Sidechain
1	5Y	179	VAL	Mainchain
1	5Y	180	VAL	Mainchain
1	5Y	182	PHE	Sidechain
1	5Y	20	GLU	Mainchain
1	5Y	21	ASN	Peptide
1	5Y	22	HIS	Sidechain
1	5Y	23	GLY	Mainchain
1	5Y	24	VAL	Mainchain
1	5Y	25	ASP	Peptide
1	5Y	26	ALA	Mainchain,Peptide
1	5Y	27	LYS	Peptide
1	5Y	29	TYR	Sidechain

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Mol	Chain	Res	Type	Group
1	5Y	30	PHE	Mainchain,Sidechain
1	5Y	34	ALA	Mainchain
1	5Y	35	THR	Mainchain
1	5Y	36	THR	Mainchain
1	5Y	37	ALA	Mainchain
1	5Y	38	PRO	Mainchain
1	5Y	39	GLN	Mainchain,Sidechain
1	5Y	41	ILE	Mainchain,Peptide
1	5Y	43	HIS	Mainchain
1	5Y	47	VAL	Peptide
1	5Y	48	TYR	Sidechain
1	5Y	50	ARG	Mainchain
1	5Y	52	PHE	Sidechain
1	5Y	64	TYR	Mainchain
1	5Y	65	PHE	Mainchain,Peptide,Sidechain
1	5Y	66	ARG	Mainchain,Sidechain
1	5Y	79	THR	Mainchain
1	5Y	8	LEU	Peptide
1	5Y	80	PHE	Sidechain
1	5Y	81	ASN	Sidechain
1	5Y	82	ARG	Sidechain
1	5Y	84	ARG	Mainchain,Peptide,Sidechain
1	5Y	88	GLY	Peptide
1	5Y	89	PHE	Mainchain,Peptide,Sidechain
1	5Y	9	PHE	Sidechain
1	5Y	90	PHE	Sidechain
1	5Y	91	PRO	Mainchain
1	5Y	92	ASN	Peptide
1	5Y	94	THR	Peptide
1	5Y	96	ASP	Peptide,Sidechain
1	5Y	97	SER	Peptide
2	5Z	106	GLY	Mainchain
2	5Z	107	PHE	Peptide,Sidechain
2	5Z	108	HIS	Peptide
2	5Z	15	VAL	Mainchain
2	5Z	2	GLU	Mainchain
2	5Z	209	LEU	Mainchain
2	5Z	215	GLN	Sidechain
2	5Z	216	ASN	Mainchain,Sidechain
2	5Z	217	PRO	Mainchain
2	5Z	22	GLN	Sidechain
2	5Z	220	PHE	Sidechain

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Mol	Chain	Res	Type	Group
2	5Z	222	GLN	Sidechain
2	5Z	224	VAL	Peptide
2	5Z	225	ASN	Mainchain
2	5Z	226	ILE	Peptide
2	5Z	227	TYR	Sidechain
2	5Z	228	ASP	Mainchain
2	5Z	229	ASN	Sidechain
2	5Z	23	HIS	Mainchain,Sidechain
2	5Z	25	SER	Peptide
2	5Z	28	THR	Mainchain
2	5Z	29	MET	Mainchain
2	5Z	30	PRO	Mainchain,Peptide
2	5Z	31	PHE	Mainchain,Sidechain
2	5Z	35	PHE	Mainchain,Sidechain
2	5Z	36	SER	Mainchain
2	5Z	37	ASN	Mainchain
2	5Z	38	VAL	Mainchain
2	5Z	39	ASP	Mainchain
2	5Z	4	GLU	Mainchain,Peptide
2	5Z	40	ASN	Sidechain
2	5Z	41	PHE	Mainchain,Peptide,Sidechain
2	5Z	44	MET	Mainchain
2	5Z	46	TYR	Mainchain,Peptide,Sidechain
2	5Z	47	ASP	Sidechain
2	5Z	50	THR	Mainchain
2	5Z	52	ASP	Peptide
2	5Z	54	ASN	Mainchain,Sidechain
2	5Z	55	PRO	Mainchain
2	5Z	56	SER	Mainchain
2	5Z	57	LYS	Mainchain,Peptide
2	5Z	59	VAL	Mainchain
2	5Z	67	THR	Mainchain
2	5Z	70	TRP	Mainchain
2	5Z	71	ALA	Peptide
2	5Z	72	ARG	Peptide,Sidechain
2	5Z	73	GLY	Mainchain
2	5Z	74	TYR	Peptide,Sidechain
2	5Z	75	GLN	Peptide
2	5Z	77	THR	Mainchain
2	5Z	78	HIS	Sidechain
2	5Z	8	VAL	Mainchain,Peptide
2	5Z	9	VAL	Mainchain

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Mol	Chain	Res	Type	Group
2	5Z	91[B]	LYS	Mainchain
4	61	27	PHE	Sidechain
1	62	1	ASP	Mainchain
1	62	13	ALA	Mainchain
1	62	14	ASP	Mainchain
1	62	146	ASN	Sidechain
1	62	147	ARG	Sidechain
1	62	149	THR	Mainchain,Peptide
1	62	150	TYR	Mainchain,Sidechain
1	62	152	SER	Mainchain
1	62	154	SER	Mainchain
1	62	155	PRO	Mainchain,Peptide
1	62	156	SER	Mainchain
1	62	16	THR	Mainchain,Peptide
1	62	166	MET	Mainchain
1	62	167	GLY	Mainchain,Peptide
1	62	169	ASP	Mainchain
1	62	17	THR	Mainchain,Peptide
1	62	170	ALA	Peptide
1	62	171	ARG	Mainchain
1	62	172	PHE	Mainchain,Sidechain
1	62	179	VAL	Mainchain
1	62	180	VAL	Mainchain
1	62	182	PHE	Sidechain
1	62	20	GLU	Mainchain
1	62	21	ASN	Peptide
1	62	22	HIS	Sidechain
1	62	23	GLY	Mainchain
1	62	24	VAL	Mainchain
1	62	25	ASP	Peptide
1	62	26	ALA	Mainchain,Peptide
1	62	27	LYS	Peptide
1	62	29	TYR	Sidechain
1	62	30	PHE	Mainchain,Sidechain
1	62	34	ALA	Mainchain
1	62	35	THR	Mainchain
1	62	36	THR	Mainchain
1	62	37	ALA	Mainchain
1	62	38	PRO	Mainchain
1	62	39	GLN	Mainchain,Sidechain
1	62	41	ILE	Mainchain,Peptide
1	62	43	HIS	Mainchain

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Mol	Chain	Res	Type	Group
1	62	47	VAL	Peptide
1	62	48	TYR	Sidechain
1	62	50	ARG	Mainchain
1	62	52	PHE	Sidechain
1	62	64	TYR	Mainchain
1	62	65	PHE	Mainchain,Peptide,Sidechain
1	62	66	ARG	Mainchain,Sidechain
1	62	79	THR	Mainchain
1	62	8	LEU	Peptide
1	62	80	PHE	Sidechain
1	62	81	ASN	Sidechain
1	62	82	ARG	Sidechain
1	62	84	ARG	Mainchain,Peptide,Sidechain
1	62	88	GLY	Peptide
1	62	89	PHE	Mainchain,Peptide,Sidechain
1	62	9	PHE	Sidechain
1	62	90	PHE	Sidechain
1	62	91	PRO	Mainchain
1	62	92	ASN	Peptide
1	62	94	THR	Peptide
1	62	96	ASP	Peptide,Sidechain
1	62	97	SER	Peptide
2	63	106	GLY	Mainchain
2	63	107	PHE	Peptide,Sidechain
2	63	108	HIS	Peptide
2	63	15	VAL	Mainchain
2	63	2	GLU	Mainchain
2	63	209	LEU	Mainchain
2	63	215	GLN	Sidechain
2	63	216	ASN	Mainchain,Sidechain
2	63	217	PRO	Mainchain
2	63	22	GLN	Sidechain
2	63	220	PHE	Sidechain
2	63	222	GLN	Sidechain
2	63	224	VAL	Peptide
2	63	225	ASN	Mainchain
2	63	226	ILE	Peptide
2	63	227	TYR	Sidechain
2	63	228	ASP	Mainchain
2	63	229	ASN	Sidechain
2	63	23	HIS	Mainchain,Sidechain
2	63	25	SER	Peptide

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Mol	Chain	Res	Type	Group
2	63	28	THR	Mainchain
2	63	29	MET	Mainchain
2	63	30	PRO	Mainchain,Peptide
2	63	31	PHE	Mainchain,Sidechain
2	63	35	PHE	Mainchain,Sidechain
2	63	36	SER	Mainchain
2	63	37	ASN	Mainchain
2	63	38	VAL	Mainchain
2	63	39	ASP	Mainchain
2	63	4	GLU	Mainchain,Peptide
2	63	40	ASN	Sidechain
2	63	41	PHE	Mainchain,Peptide,Sidechain
2	63	44	MET	Mainchain
2	63	46	TYR	Mainchain,Peptide,Sidechain
2	63	47	ASP	Sidechain
2	63	50	THR	Mainchain
2	63	52	ASP	Peptide
2	63	54	ASN	Mainchain,Sidechain
2	63	55	PRO	Mainchain
2	63	56	SER	Mainchain
2	63	57	LYS	Mainchain,Peptide
2	63	59	VAL	Mainchain
2	63	67	THR	Mainchain
2	63	70	TRP	Mainchain
2	63	71	ALA	Peptide
2	63	72	ARG	Peptide,Sidechain
2	63	73	GLY	Mainchain
2	63	74	TYR	Peptide,Sidechain
2	63	75	GLN	Peptide
2	63	77	THR	Mainchain
2	63	78	HIS	Sidechain
2	63	8	VAL	Mainchain,Peptide
2	63	9	VAL	Mainchain
2	63	91[B]	LYS	Mainchain
4	65	27	PHE	Sidechain
1	66	1	ASP	Mainchain
1	66	13	ALA	Mainchain
1	66	14	ASP	Mainchain
1	66	146	ASN	Sidechain
1	66	147	ARG	Sidechain
1	66	149	THR	Mainchain,Peptide
1	66	150	TYR	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
1	66	152	SER	Mainchain
1	66	154	SER	Mainchain
1	66	155	PRO	Mainchain,Peptide
1	66	156	SER	Mainchain
1	66	16	THR	Mainchain,Peptide
1	66	166	MET	Mainchain
1	66	167	GLY	Mainchain,Peptide
1	66	169	ASP	Mainchain
1	66	17	THR	Mainchain,Peptide
1	66	170	ALA	Peptide
1	66	171	ARG	Mainchain
1	66	172	PHE	Mainchain,Sidechain
1	66	179	VAL	Mainchain
1	66	180	VAL	Mainchain
1	66	182	PHE	Sidechain
1	66	20	GLU	Mainchain
1	66	21	ASN	Peptide
1	66	22	HIS	Sidechain
1	66	23	GLY	Mainchain
1	66	24	VAL	Mainchain
1	66	25	ASP	Peptide
1	66	26	ALA	Mainchain,Peptide
1	66	27	LYS	Peptide
1	66	29	TYR	Sidechain
1	66	30	PHE	Mainchain,Sidechain
1	66	34	ALA	Mainchain
1	66	35	THR	Mainchain
1	66	36	THR	Mainchain
1	66	37	ALA	Mainchain
1	66	38	PRO	Mainchain
1	66	39	GLN	Mainchain,Sidechain
1	66	41	ILE	Mainchain,Peptide
1	66	43	HIS	Mainchain
1	66	47	VAL	Peptide
1	66	48	TYR	Sidechain
1	66	50	ARG	Mainchain
1	66	52	PHE	Sidechain
1	66	64	TYR	Mainchain
1	66	65	PHE	Mainchain,Peptide,Sidechain
1	66	66	ARG	Mainchain,Sidechain
1	66	79	THR	Mainchain
1	66	8	LEU	Peptide

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Mol	Chain	Res	Type	Group
1	66	80	PHE	Sidechain
1	66	81	ASN	Sidechain
1	66	82	ARG	Sidechain
1	66	84	ARG	Mainchain,Peptide,Sidechain
1	66	88	GLY	Peptide
1	66	89	PHE	Mainchain,Peptide,Sidechain
1	66	9	PHE	Sidechain
1	66	90	PHE	Sidechain
1	66	91	PRO	Mainchain
1	66	92	ASN	Peptide
1	66	94	THR	Peptide
1	66	96	ASP	Peptide,Sidechain
1	66	97	SER	Peptide
2	67	106	GLY	Mainchain
2	67	107	PHE	Peptide,Sidechain
2	67	108	HIS	Peptide
2	67	15	VAL	Mainchain
2	67	2	GLU	Mainchain
2	67	209	LEU	Mainchain
2	67	215	GLN	Sidechain
2	67	216	ASN	Mainchain,Sidechain
2	67	217	PRO	Mainchain
2	67	22	GLN	Sidechain
2	67	220	PHE	Sidechain
2	67	222	GLN	Sidechain
2	67	224	VAL	Peptide
2	67	225	ASN	Mainchain
2	67	226	ILE	Peptide
2	67	227	TYR	Sidechain
2	67	228	ASP	Mainchain
2	67	229	ASN	Sidechain
2	67	23	HIS	Mainchain,Sidechain
2	67	25	SER	Peptide
2	67	28	THR	Mainchain
2	67	29	MET	Mainchain
2	67	30	PRO	Mainchain,Peptide
2	67	31	PHE	Mainchain,Sidechain
2	67	35	PHE	Mainchain,Sidechain
2	67	36	SER	Mainchain
2	67	37	ASN	Mainchain
2	67	38	VAL	Mainchain
2	67	39	ASP	Mainchain

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Mol	Chain	Res	Type	Group
2	67	4	GLU	Mainchain,Peptide
2	67	40	ASN	Sidechain
2	67	41	PHE	Mainchain,Peptide,Sidechain
2	67	44	MET	Mainchain
2	67	46	TYR	Mainchain,Peptide,Sidechain
2	67	47	ASP	Sidechain
2	67	50	THR	Mainchain
2	67	52	ASP	Peptide
2	67	54	ASN	Mainchain,Sidechain
2	67	55	PRO	Mainchain
2	67	56	SER	Mainchain
2	67	57	LYS	Mainchain,Peptide
2	67	59	VAL	Mainchain
2	67	67	THR	Mainchain
2	67	70	TRP	Mainchain
2	67	71	ALA	Peptide
2	67	72	ARG	Peptide,Sidechain
2	67	73	GLY	Mainchain
2	67	74	TYR	Peptide,Sidechain
2	67	75	GLN	Peptide
2	67	77	THR	Mainchain
2	67	78	HIS	Sidechain
2	67	8	VAL	Mainchain,Peptide
2	67	9	VAL	Mainchain
2	67	91[B]	LYS	Mainchain
4	69	27	PHE	Sidechain
1	6A	1	ASP	Mainchain
1	6A	13	ALA	Mainchain
1	6A	14	ASP	Mainchain
1	6A	146	ASN	Sidechain
1	6A	147	ARG	Sidechain
1	6A	149	THR	Mainchain,Peptide
1	6A	150	TYR	Mainchain,Sidechain
1	6A	152	SER	Mainchain
1	6A	154	SER	Mainchain
1	6A	155	PRO	Mainchain,Peptide
1	6A	156	SER	Mainchain
1	6A	16	THR	Mainchain,Peptide
1	6A	166	MET	Mainchain
1	6A	167	GLY	Mainchain,Peptide
1	6A	169	ASP	Mainchain
1	6A	17	THR	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
1	6A	170	ALA	Peptide
1	6A	171	ARG	Mainchain
1	6A	172	PHE	Mainchain,Sidechain
1	6A	179	VAL	Mainchain
1	6A	180	VAL	Mainchain
1	6A	182	PHE	Sidechain
1	6A	20	GLU	Mainchain
1	6A	21	ASN	Peptide
1	6A	22	HIS	Sidechain
1	6A	23	GLY	Mainchain
1	6A	24	VAL	Mainchain
1	6A	25	ASP	Peptide
1	6A	26	ALA	Mainchain,Peptide
1	6A	27	LYS	Peptide
1	6A	29	TYR	Sidechain
1	6A	30	PHE	Mainchain,Sidechain
1	6A	34	ALA	Mainchain
1	6A	35	THR	Mainchain
1	6A	36	THR	Mainchain
1	6A	37	ALA	Mainchain
1	6A	38	PRO	Mainchain
1	6A	39	GLN	Mainchain,Sidechain
1	6A	41	ILE	Mainchain,Peptide
1	6A	43	HIS	Mainchain
1	6A	47	VAL	Peptide
1	6A	48	TYR	Sidechain
1	6A	50	ARG	Mainchain
1	6A	52	PHE	Sidechain
1	6A	64	TYR	Mainchain
1	6A	65	PHE	Mainchain,Peptide,Sidechain
1	6A	66	ARG	Mainchain,Sidechain
1	6A	79	THR	Mainchain
1	6A	8	LEU	Peptide
1	6A	80	PHE	Sidechain
1	6A	81	ASN	Sidechain
1	6A	82	ARG	Sidechain
1	6A	84	ARG	Mainchain,Peptide,Sidechain
1	6A	88	GLY	Peptide
1	6A	89	PHE	Mainchain,Peptide,Sidechain
1	6A	9	PHE	Sidechain
1	6A	90	PHE	Sidechain
1	6A	91	PRO	Mainchain

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Mol	Chain	Res	Type	Group
1	6A	92	ASN	Peptide
1	6A	94	THR	Peptide
1	6A	96	ASP	Peptide,Sidechain
1	6A	97	SER	Peptide
2	6B	106	GLY	Mainchain
2	6B	107	PHE	Peptide,Sidechain
2	6B	108	HIS	Peptide
2	6B	15	VAL	Mainchain
2	6B	2	GLU	Mainchain
2	6B	209	LEU	Mainchain
2	6B	215	GLN	Sidechain
2	6B	216	ASN	Mainchain,Sidechain
2	6B	217	PRO	Mainchain
2	6B	22	GLN	Sidechain
2	6B	220	PHE	Sidechain
2	6B	222	GLN	Sidechain
2	6B	224	VAL	Peptide
2	6B	225	ASN	Mainchain
2	6B	226	ILE	Peptide
2	6B	227	TYR	Sidechain
2	6B	228	ASP	Mainchain
2	6B	229	ASN	Sidechain
2	6B	23	HIS	Mainchain,Sidechain
2	6B	25	SER	Peptide
2	6B	28	THR	Mainchain
2	6B	29	MET	Mainchain
2	6B	30	PRO	Mainchain,Peptide
2	6B	31	PHE	Mainchain,Sidechain
2	6B	35	PHE	Mainchain,Sidechain
2	6B	36	SER	Mainchain
2	6B	37	ASN	Mainchain
2	6B	38	VAL	Mainchain
2	6B	39	ASP	Mainchain
2	6B	4	GLU	Mainchain,Peptide
2	6B	40	ASN	Sidechain
2	6B	41	PHE	Mainchain,Peptide,Sidechain
2	6B	44	MET	Mainchain
2	6B	46	TYR	Mainchain,Peptide,Sidechain
2	6B	47	ASP	Sidechain
2	6B	50	THR	Mainchain
2	6B	52	ASP	Peptide
2	6B	54	ASN	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
2	6B	55	PRO	Mainchain
2	6B	56	SER	Mainchain
2	6B	57	LYS	Mainchain,Peptide
2	6B	59	VAL	Mainchain
2	6B	67	THR	Mainchain
2	6B	70	TRP	Mainchain
2	6B	71	ALA	Peptide
2	6B	72	ARG	Peptide,Sidechain
2	6B	73	GLY	Mainchain
2	6B	74	TYR	Peptide,Sidechain
2	6B	75	GLN	Peptide
2	6B	77	THR	Mainchain
2	6B	78	HIS	Sidechain
2	6B	8	VAL	Mainchain,Peptide
2	6B	9	VAL	Mainchain
2	6B	91[B]	LYS	Mainchain
4	6D	27	PHE	Sidechain
1	6E	1	ASP	Mainchain
1	6E	13	ALA	Mainchain
1	6E	14	ASP	Mainchain
1	6E	146	ASN	Sidechain
1	6E	147	ARG	Sidechain
1	6E	149	THR	Mainchain,Peptide
1	6E	150	TYR	Mainchain,Sidechain
1	6E	152	SER	Mainchain
1	6E	154	SER	Mainchain
1	6E	155	PRO	Mainchain,Peptide
1	6E	156	SER	Mainchain
1	6E	16	THR	Mainchain,Peptide
1	6E	166	MET	Mainchain
1	6E	167	GLY	Mainchain,Peptide
1	6E	169	ASP	Mainchain
1	6E	17	THR	Mainchain,Peptide
1	6E	170	ALA	Peptide
1	6E	171	ARG	Mainchain
1	6E	172	PHE	Mainchain,Sidechain
1	6E	179	VAL	Mainchain
1	6E	180	VAL	Mainchain
1	6E	182	PHE	Sidechain
1	6E	20	GLU	Mainchain
1	6E	21	ASN	Peptide
1	6E	22	HIS	Sidechain

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Mol	Chain	Res	Type	Group
1	6E	23	GLY	Mainchain
1	6E	24	VAL	Mainchain
1	6E	25	ASP	Peptide
1	6E	26	ALA	Mainchain,Peptide
1	6E	27	LYS	Peptide
1	6E	29	TYR	Sidechain
1	6E	30	PHE	Mainchain,Sidechain
1	6E	34	ALA	Mainchain
1	6E	35	THR	Mainchain
1	6E	36	THR	Mainchain
1	6E	37	ALA	Mainchain
1	6E	38	PRO	Mainchain
1	6E	39	GLN	Mainchain,Sidechain
1	6E	41	ILE	Mainchain,Peptide
1	6E	43	HIS	Mainchain
1	6E	47	VAL	Peptide
1	6E	48	TYR	Sidechain
1	6E	50	ARG	Mainchain
1	6E	52	PHE	Sidechain
1	6E	64	TYR	Mainchain
1	6E	65	PHE	Mainchain,Peptide,Sidechain
1	6E	66	ARG	Mainchain,Sidechain
1	6E	79	THR	Mainchain
1	6E	8	LEU	Peptide
1	6E	80	PHE	Sidechain
1	6E	81	ASN	Sidechain
1	6E	82	ARG	Sidechain
1	6E	84	ARG	Mainchain,Peptide,Sidechain
1	6E	88	GLY	Peptide
1	6E	89	PHE	Mainchain,Peptide,Sidechain
1	6E	9	PHE	Sidechain
1	6E	90	PHE	Sidechain
1	6E	91	PRO	Mainchain
1	6E	92	ASN	Peptide
1	6E	94	THR	Peptide
1	6E	96	ASP	Peptide,Sidechain
1	6E	97	SER	Peptide
2	6F	106	GLY	Mainchain
2	6F	107	PHE	Peptide,Sidechain
2	6F	108	HIS	Peptide
2	6F	15	VAL	Mainchain
2	6F	2	GLU	Mainchain

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Mol	Chain	Res	Type	Group
2	6F	209	LEU	Mainchain
2	6F	215	GLN	Sidechain
2	6F	216	ASN	Mainchain,Sidechain
2	6F	217	PRO	Mainchain
2	6F	22	GLN	Sidechain
2	6F	220	PHE	Sidechain
2	6F	222	GLN	Sidechain
2	6F	224	VAL	Peptide
2	6F	225	ASN	Mainchain
2	6F	226	ILE	Peptide
2	6F	227	TYR	Sidechain
2	6F	228	ASP	Mainchain
2	6F	229	ASN	Sidechain
2	6F	23	HIS	Mainchain,Sidechain
2	6F	25	SER	Peptide
2	6F	28	THR	Mainchain
2	6F	29	MET	Mainchain
2	6F	30	PRO	Mainchain,Peptide
2	6F	31	PHE	Mainchain,Sidechain
2	6F	35	PHE	Mainchain,Sidechain
2	6F	36	SER	Mainchain
2	6F	37	ASN	Mainchain
2	6F	38	VAL	Mainchain
2	6F	39	ASP	Mainchain
2	6F	4	GLU	Mainchain,Peptide
2	6F	40	ASN	Sidechain
2	6F	41	PHE	Mainchain,Peptide,Sidechain
2	6F	44	MET	Mainchain
2	6F	46	TYR	Mainchain,Peptide,Sidechain
2	6F	47	ASP	Sidechain
2	6F	50	THR	Mainchain
2	6F	52	ASP	Peptide
2	6F	54	ASN	Mainchain,Sidechain
2	6F	55	PRO	Mainchain
2	6F	56	SER	Mainchain
2	6F	57	LYS	Mainchain,Peptide
2	6F	59	VAL	Mainchain
2	6F	67	THR	Mainchain
2	6F	70	TRP	Mainchain
2	6F	71	ALA	Peptide
2	6F	72	ARG	Peptide,Sidechain
2	6F	73	GLY	Mainchain

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Mol	Chain	Res	Type	Group
2	6F	74	TYR	Peptide,Sidechain
2	6F	75	GLN	Peptide
2	6F	77	THR	Mainchain
2	6F	78	HIS	Sidechain
2	6F	8	VAL	Mainchain,Peptide
2	6F	9	VAL	Mainchain
2	6F	91[B]	LYS	Mainchain
4	6H	27	PHE	Sidechain
1	6I	1	ASP	Mainchain
1	6I	13	ALA	Mainchain
1	6I	14	ASP	Mainchain
1	6I	146	ASN	Sidechain
1	6I	147	ARG	Sidechain
1	6I	149	THR	Mainchain,Peptide
1	6I	150	TYR	Mainchain,Sidechain
1	6I	152	SER	Mainchain
1	6I	154	SER	Mainchain
1	6I	155	PRO	Mainchain,Peptide
1	6I	156	SER	Mainchain
1	6I	16	THR	Mainchain,Peptide
1	6I	166	MET	Mainchain
1	6I	167	GLY	Mainchain,Peptide
1	6I	169	ASP	Mainchain
1	6I	17	THR	Mainchain,Peptide
1	6I	170	ALA	Peptide
1	6I	171	ARG	Mainchain
1	6I	172	PHE	Mainchain,Sidechain
1	6I	179	VAL	Mainchain
1	6I	180	VAL	Mainchain
1	6I	182	PHE	Sidechain
1	6I	20	GLU	Mainchain
1	6I	21	ASN	Peptide
1	6I	22	HIS	Sidechain
1	6I	23	GLY	Mainchain
1	6I	24	VAL	Mainchain
1	6I	25	ASP	Peptide
1	6I	26	ALA	Mainchain,Peptide
1	6I	27	LYS	Peptide
1	6I	29	TYR	Sidechain
1	6I	30	PHE	Mainchain,Sidechain
1	6I	34	ALA	Mainchain
1	6I	35	THR	Mainchain

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Mol	Chain	Res	Type	Group
1	6I	36	THR	Mainchain
1	6I	37	ALA	Mainchain
1	6I	38	PRO	Mainchain
1	6I	39	GLN	Mainchain,Sidechain
1	6I	41	ILE	Mainchain,Peptide
1	6I	43	HIS	Mainchain
1	6I	47	VAL	Peptide
1	6I	48	TYR	Sidechain
1	6I	50	ARG	Mainchain
1	6I	52	PHE	Sidechain
1	6I	64	TYR	Mainchain
1	6I	65	PHE	Mainchain,Peptide,Sidechain
1	6I	66	ARG	Mainchain,Sidechain
1	6I	79	THR	Mainchain
1	6I	8	LEU	Peptide
1	6I	80	PHE	Sidechain
1	6I	81	ASN	Sidechain
1	6I	82	ARG	Sidechain
1	6I	84	ARG	Mainchain,Peptide,Sidechain
1	6I	88	GLY	Peptide
1	6I	89	PHE	Mainchain,Peptide,Sidechain
1	6I	9	PHE	Sidechain
1	6I	90	PHE	Sidechain
1	6I	91	PRO	Mainchain
1	6I	92	ASN	Peptide
1	6I	94	THR	Peptide
1	6I	96	ASP	Peptide,Sidechain
1	6I	97	SER	Peptide
2	6J	106	GLY	Mainchain
2	6J	107	PHE	Peptide,Sidechain
2	6J	108	HIS	Peptide
2	6J	15	VAL	Mainchain
2	6J	2	GLU	Mainchain
2	6J	209	LEU	Mainchain
2	6J	215	GLN	Sidechain
2	6J	216	ASN	Mainchain,Sidechain
2	6J	217	PRO	Mainchain
2	6J	22	GLN	Sidechain
2	6J	220	PHE	Sidechain
2	6J	222	GLN	Sidechain
2	6J	224	VAL	Peptide
2	6J	225	ASN	Mainchain

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Mol	Chain	Res	Type	Group
2	6J	226	ILE	Peptide
2	6J	227	TYR	Sidechain
2	6J	228	ASP	Mainchain
2	6J	229	ASN	Sidechain
2	6J	23	HIS	Mainchain,Sidechain
2	6J	25	SER	Peptide
2	6J	28	THR	Mainchain
2	6J	29	MET	Mainchain
2	6J	30	PRO	Mainchain,Peptide
2	6J	31	PHE	Mainchain,Sidechain
2	6J	35	PHE	Mainchain,Sidechain
2	6J	36	SER	Mainchain
2	6J	37	ASN	Mainchain
2	6J	38	VAL	Mainchain
2	6J	39	ASP	Mainchain
2	6J	4	GLU	Mainchain,Peptide
2	6J	40	ASN	Sidechain
2	6J	41	PHE	Mainchain,Peptide,Sidechain
2	6J	44	MET	Mainchain
2	6J	46	TYR	Mainchain,Peptide,Sidechain
2	6J	47	ASP	Sidechain
2	6J	50	THR	Mainchain
2	6J	52	ASP	Peptide
2	6J	54	ASN	Mainchain,Sidechain
2	6J	55	PRO	Mainchain
2	6J	56	SER	Mainchain
2	6J	57	LYS	Mainchain,Peptide
2	6J	59	VAL	Mainchain
2	6J	67	THR	Mainchain
2	6J	70	TRP	Mainchain
2	6J	71	ALA	Peptide
2	6J	72	ARG	Peptide,Sidechain
2	6J	73	GLY	Mainchain
2	6J	74	TYR	Peptide,Sidechain
2	6J	75	GLN	Peptide
2	6J	77	THR	Mainchain
2	6J	78	HIS	Sidechain
2	6J	8	VAL	Mainchain,Peptide
2	6J	9	VAL	Mainchain
2	6J	91[B]	LYS	Mainchain
4	6L	27	PHE	Sidechain
1	6M	1	ASP	Mainchain

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Mol	Chain	Res	Type	Group
1	6M	13	ALA	Mainchain
1	6M	14	ASP	Mainchain
1	6M	146	ASN	Sidechain
1	6M	147	ARG	Sidechain
1	6M	149	THR	Mainchain,Peptide
1	6M	150	TYR	Mainchain,Sidechain
1	6M	152	SER	Mainchain
1	6M	154	SER	Mainchain
1	6M	155	PRO	Mainchain,Peptide
1	6M	156	SER	Mainchain
1	6M	16	THR	Mainchain,Peptide
1	6M	166	MET	Mainchain
1	6M	167	GLY	Mainchain,Peptide
1	6M	169	ASP	Mainchain
1	6M	17	THR	Mainchain,Peptide
1	6M	170	ALA	Peptide
1	6M	171	ARG	Mainchain
1	6M	172	PHE	Mainchain,Sidechain
1	6M	179	VAL	Mainchain
1	6M	180	VAL	Mainchain
1	6M	182	PHE	Sidechain
1	6M	20	GLU	Mainchain
1	6M	21	ASN	Peptide
1	6M	22	HIS	Sidechain
1	6M	23	GLY	Mainchain
1	6M	24	VAL	Mainchain
1	6M	25	ASP	Peptide
1	6M	26	ALA	Mainchain,Peptide
1	6M	27	LYS	Peptide
1	6M	29	TYR	Sidechain
1	6M	30	PHE	Mainchain,Sidechain
1	6M	34	ALA	Mainchain
1	6M	35	THR	Mainchain
1	6M	36	THR	Mainchain
1	6M	37	ALA	Mainchain
1	6M	38	PRO	Mainchain
1	6M	39	GLN	Mainchain,Sidechain
1	6M	41	ILE	Mainchain,Peptide
1	6M	43	HIS	Mainchain
1	6M	47	VAL	Peptide
1	6M	48	TYR	Sidechain
1	6M	50	ARG	Mainchain

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Mol	Chain	Res	Type	Group
1	6M	52	PHE	Sidechain
1	6M	64	TYR	Mainchain
1	6M	65	PHE	Mainchain,Peptide,Sidechain
1	6M	66	ARG	Mainchain,Sidechain
1	6M	79	THR	Mainchain
1	6M	8	LEU	Peptide
1	6M	80	PHE	Sidechain
1	6M	81	ASN	Sidechain
1	6M	82	ARG	Sidechain
1	6M	84	ARG	Mainchain,Peptide,Sidechain
1	6M	88	GLY	Peptide
1	6M	89	PHE	Mainchain,Peptide,Sidechain
1	6M	9	PHE	Sidechain
1	6M	90	PHE	Sidechain
1	6M	91	PRO	Mainchain
1	6M	92	ASN	Peptide
1	6M	94	THR	Peptide
1	6M	96	ASP	Peptide,Sidechain
1	6M	97	SER	Peptide
2	6N	106	GLY	Mainchain
2	6N	107	PHE	Peptide,Sidechain
2	6N	108	HIS	Peptide
2	6N	15	VAL	Mainchain
2	6N	2	GLU	Mainchain
2	6N	209	LEU	Mainchain
2	6N	215	GLN	Sidechain
2	6N	216	ASN	Mainchain,Sidechain
2	6N	217	PRO	Mainchain
2	6N	22	GLN	Sidechain
2	6N	220	PHE	Sidechain
2	6N	222	GLN	Sidechain
2	6N	224	VAL	Peptide
2	6N	225	ASN	Mainchain
2	6N	226	ILE	Peptide
2	6N	227	TYR	Sidechain
2	6N	228	ASP	Mainchain
2	6N	229	ASN	Sidechain
2	6N	23	HIS	Mainchain,Sidechain
2	6N	25	SER	Peptide
2	6N	28	THR	Mainchain
2	6N	29	MET	Mainchain
2	6N	30	PRO	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
2	6N	31	PHE	Mainchain,Sidechain
2	6N	35	PHE	Mainchain,Sidechain
2	6N	36	SER	Mainchain
2	6N	37	ASN	Mainchain
2	6N	38	VAL	Mainchain
2	6N	39	ASP	Mainchain
2	6N	4	GLU	Mainchain,Peptide
2	6N	40	ASN	Sidechain
2	6N	41	PHE	Mainchain,Peptide,Sidechain
2	6N	44	MET	Mainchain
2	6N	46	TYR	Mainchain,Peptide,Sidechain
2	6N	47	ASP	Sidechain
2	6N	50	THR	Mainchain
2	6N	52	ASP	Peptide
2	6N	54	ASN	Mainchain,Sidechain
2	6N	55	PRO	Mainchain
2	6N	56	SER	Mainchain
2	6N	57	LYS	Mainchain,Peptide
2	6N	59	VAL	Mainchain
2	6N	67	THR	Mainchain
2	6N	70	TRP	Mainchain
2	6N	71	ALA	Peptide
2	6N	72	ARG	Peptide,Sidechain
2	6N	73	GLY	Mainchain
2	6N	74	TYR	Peptide,Sidechain
2	6N	75	GLN	Peptide
2	6N	77	THR	Mainchain
2	6N	78	HIS	Sidechain
2	6N	8	VAL	Mainchain,Peptide
2	6N	9	VAL	Mainchain
2	6N	91[B]	LYS	Mainchain
4	6P	27	PHE	Sidechain
1	6Q	1	ASP	Mainchain
1	6Q	13	ALA	Mainchain
1	6Q	14	ASP	Mainchain
1	6Q	146	ASN	Sidechain
1	6Q	147	ARG	Sidechain
1	6Q	149	THR	Mainchain,Peptide
1	6Q	150	TYR	Mainchain,Sidechain
1	6Q	152	SER	Mainchain
1	6Q	154	SER	Mainchain
1	6Q	155	PRO	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
1	6Q	156	SER	Mainchain
1	6Q	16	THR	Mainchain,Peptide
1	6Q	166	MET	Mainchain
1	6Q	167	GLY	Mainchain,Peptide
1	6Q	169	ASP	Mainchain
1	6Q	17	THR	Mainchain,Peptide
1	6Q	170	ALA	Peptide
1	6Q	171	ARG	Mainchain
1	6Q	172	PHE	Mainchain,Sidechain
1	6Q	179	VAL	Mainchain
1	6Q	180	VAL	Mainchain
1	6Q	182	PHE	Sidechain
1	6Q	20	GLU	Mainchain
1	6Q	21	ASN	Peptide
1	6Q	22	HIS	Sidechain
1	6Q	23	GLY	Mainchain
1	6Q	24	VAL	Mainchain
1	6Q	25	ASP	Peptide
1	6Q	26	ALA	Mainchain,Peptide
1	6Q	27	LYS	Peptide
1	6Q	29	TYR	Sidechain
1	6Q	30	PHE	Mainchain,Sidechain
1	6Q	34	ALA	Mainchain
1	6Q	35	THR	Mainchain
1	6Q	36	THR	Mainchain
1	6Q	37	ALA	Mainchain
1	6Q	38	PRO	Mainchain
1	6Q	39	GLN	Mainchain,Sidechain
1	6Q	41	ILE	Mainchain,Peptide
1	6Q	43	HIS	Mainchain
1	6Q	47	VAL	Peptide
1	6Q	48	TYR	Sidechain
1	6Q	50	ARG	Mainchain
1	6Q	52	PHE	Sidechain
1	6Q	64	TYR	Mainchain
1	6Q	65	PHE	Mainchain,Peptide,Sidechain
1	6Q	66	ARG	Mainchain,Sidechain
1	6Q	79	THR	Mainchain
1	6Q	8	LEU	Peptide
1	6Q	80	PHE	Sidechain
1	6Q	81	ASN	Sidechain
1	6Q	82	ARG	Sidechain

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Mol	Chain	Res	Type	Group
1	6Q	84	ARG	Mainchain,Peptide,Sidechain
1	6Q	88	GLY	Peptide
1	6Q	89	PHE	Mainchain,Peptide,Sidechain
1	6Q	9	PHE	Sidechain
1	6Q	90	PHE	Sidechain
1	6Q	91	PRO	Mainchain
1	6Q	92	ASN	Peptide
1	6Q	94	THR	Peptide
1	6Q	96	ASP	Peptide,Sidechain
1	6Q	97	SER	Peptide
2	6R	106	GLY	Mainchain
2	6R	107	PHE	Peptide,Sidechain
2	6R	108	HIS	Peptide
2	6R	15	VAL	Mainchain
2	6R	2	GLU	Mainchain
2	6R	209	LEU	Mainchain
2	6R	215	GLN	Sidechain
2	6R	216	ASN	Mainchain,Sidechain
2	6R	217	PRO	Mainchain
2	6R	22	GLN	Sidechain
2	6R	220	PHE	Sidechain
2	6R	222	GLN	Sidechain
2	6R	224	VAL	Peptide
2	6R	225	ASN	Mainchain
2	6R	226	ILE	Peptide
2	6R	227	TYR	Sidechain
2	6R	228	ASP	Mainchain
2	6R	229	ASN	Sidechain
2	6R	23	HIS	Mainchain,Sidechain
2	6R	25	SER	Peptide
2	6R	28	THR	Mainchain
2	6R	29	MET	Mainchain
2	6R	30	PRO	Mainchain,Peptide
2	6R	31	PHE	Mainchain,Sidechain
2	6R	35	PHE	Mainchain,Sidechain
2	6R	36	SER	Mainchain
2	6R	37	ASN	Mainchain
2	6R	38	VAL	Mainchain
2	6R	39	ASP	Mainchain
2	6R	4	GLU	Mainchain,Peptide
2	6R	40	ASN	Sidechain
2	6R	41	PHE	Mainchain,Peptide,Sidechain

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Mol	Chain	Res	Type	Group
2	6R	44	MET	Mainchain
2	6R	46	TYR	Mainchain,Peptide,Sidechain
2	6R	47	ASP	Sidechain
2	6R	50	THR	Mainchain
2	6R	52	ASP	Peptide
2	6R	54	ASN	Mainchain,Sidechain
2	6R	55	PRO	Mainchain
2	6R	56	SER	Mainchain
2	6R	57	LYS	Mainchain,Peptide
2	6R	59	VAL	Mainchain
2	6R	67	THR	Mainchain
2	6R	70	TRP	Mainchain
2	6R	71	ALA	Peptide
2	6R	72	ARG	Peptide,Sidechain
2	6R	73	GLY	Mainchain
2	6R	74	TYR	Peptide,Sidechain
2	6R	75	GLN	Peptide
2	6R	77	THR	Mainchain
2	6R	78	HIS	Sidechain
2	6R	8	VAL	Mainchain,Peptide
2	6R	9	VAL	Mainchain
2	6R	91[B]	LYS	Mainchain
4	6T	27	PHE	Sidechain
1	6U	1	ASP	Mainchain
1	6U	13	ALA	Mainchain
1	6U	14	ASP	Mainchain
1	6U	146	ASN	Sidechain
1	6U	147	ARG	Sidechain
1	6U	149	THR	Mainchain,Peptide
1	6U	150	TYR	Mainchain,Sidechain
1	6U	152	SER	Mainchain
1	6U	154	SER	Mainchain
1	6U	155	PRO	Mainchain,Peptide
1	6U	156	SER	Mainchain
1	6U	16	THR	Mainchain,Peptide
1	6U	166	MET	Mainchain
1	6U	167	GLY	Mainchain,Peptide
1	6U	169	ASP	Mainchain
1	6U	17	THR	Mainchain,Peptide
1	6U	170	ALA	Peptide
1	6U	171	ARG	Mainchain
1	6U	172	PHE	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
1	6U	179	VAL	Mainchain
1	6U	180	VAL	Mainchain
1	6U	182	PHE	Sidechain
1	6U	20	GLU	Mainchain
1	6U	21	ASN	Peptide
1	6U	22	HIS	Sidechain
1	6U	23	GLY	Mainchain
1	6U	24	VAL	Mainchain
1	6U	25	ASP	Peptide
1	6U	26	ALA	Mainchain,Peptide
1	6U	27	LYS	Peptide
1	6U	29	TYR	Sidechain
1	6U	30	PHE	Mainchain,Sidechain
1	6U	34	ALA	Mainchain
1	6U	35	THR	Mainchain
1	6U	36	THR	Mainchain
1	6U	37	ALA	Mainchain
1	6U	38	PRO	Mainchain
1	6U	39	GLN	Mainchain,Sidechain
1	6U	41	ILE	Mainchain,Peptide
1	6U	43	HIS	Mainchain
1	6U	47	VAL	Peptide
1	6U	48	TYR	Sidechain
1	6U	50	ARG	Mainchain
1	6U	52	PHE	Sidechain
1	6U	64	TYR	Mainchain
1	6U	65	PHE	Mainchain,Peptide,Sidechain
1	6U	66	ARG	Mainchain,Sidechain
1	6U	79	THR	Mainchain
1	6U	8	LEU	Peptide
1	6U	80	PHE	Sidechain
1	6U	81	ASN	Sidechain
1	6U	82	ARG	Sidechain
1	6U	84	ARG	Mainchain,Peptide,Sidechain
1	6U	88	GLY	Peptide
1	6U	89	PHE	Mainchain,Peptide,Sidechain
1	6U	9	PHE	Sidechain
1	6U	90	PHE	Sidechain
1	6U	91	PRO	Mainchain
1	6U	92	ASN	Peptide
1	6U	94	THR	Peptide
1	6U	96	ASP	Peptide,Sidechain

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Mol	Chain	Res	Type	Group
1	6U	97	SER	Peptide
2	6V	106	GLY	Mainchain
2	6V	107	PHE	Peptide,Sidechain
2	6V	108	HIS	Peptide
2	6V	15	VAL	Mainchain
2	6V	2	GLU	Mainchain
2	6V	209	LEU	Mainchain
2	6V	215	GLN	Sidechain
2	6V	216	ASN	Mainchain,Sidechain
2	6V	217	PRO	Mainchain
2	6V	22	GLN	Sidechain
2	6V	220	PHE	Sidechain
2	6V	222	GLN	Sidechain
2	6V	224	VAL	Peptide
2	6V	225	ASN	Mainchain
2	6V	226	ILE	Peptide
2	6V	227	TYR	Sidechain
2	6V	228	ASP	Mainchain
2	6V	229	ASN	Sidechain
2	6V	23	HIS	Mainchain,Sidechain
2	6V	25	SER	Peptide
2	6V	28	THR	Mainchain
2	6V	29	MET	Mainchain
2	6V	30	PRO	Mainchain,Peptide
2	6V	31	PHE	Mainchain,Sidechain
2	6V	35	PHE	Mainchain,Sidechain
2	6V	36	SER	Mainchain
2	6V	37	ASN	Mainchain
2	6V	38	VAL	Mainchain
2	6V	39	ASP	Mainchain
2	6V	4	GLU	Mainchain,Peptide
2	6V	40	ASN	Sidechain
2	6V	41	PHE	Mainchain,Peptide,Sidechain
2	6V	44	MET	Mainchain
2	6V	46	TYR	Mainchain,Peptide,Sidechain
2	6V	47	ASP	Sidechain
2	6V	50	THR	Mainchain
2	6V	52	ASP	Peptide
2	6V	54	ASN	Mainchain,Sidechain
2	6V	55	PRO	Mainchain
2	6V	56	SER	Mainchain
2	6V	57	LYS	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
2	6V	59	VAL	Mainchain
2	6V	67	THR	Mainchain
2	6V	70	TRP	Mainchain
2	6V	71	ALA	Peptide
2	6V	72	ARG	Peptide,Sidechain
2	6V	73	GLY	Mainchain
2	6V	74	TYR	Peptide,Sidechain
2	6V	75	GLN	Peptide
2	6V	77	THR	Mainchain
2	6V	78	HIS	Sidechain
2	6V	8	VAL	Mainchain,Peptide
2	6V	9	VAL	Mainchain
2	6V	91[B]	LYS	Mainchain
4	6X	27	PHE	Sidechain
1	6Y	1	ASP	Mainchain
1	6Y	13	ALA	Mainchain
1	6Y	14	ASP	Mainchain
1	6Y	146	ASN	Sidechain
1	6Y	147	ARG	Sidechain
1	6Y	149	THR	Mainchain,Peptide
1	6Y	150	TYR	Mainchain,Sidechain
1	6Y	152	SER	Mainchain
1	6Y	154	SER	Mainchain
1	6Y	155	PRO	Mainchain,Peptide
1	6Y	156	SER	Mainchain
1	6Y	16	THR	Mainchain,Peptide
1	6Y	166	MET	Mainchain
1	6Y	167	GLY	Mainchain,Peptide
1	6Y	169	ASP	Mainchain
1	6Y	17	THR	Mainchain,Peptide
1	6Y	170	ALA	Peptide
1	6Y	171	ARG	Mainchain
1	6Y	172	PHE	Mainchain,Sidechain
1	6Y	179	VAL	Mainchain
1	6Y	180	VAL	Mainchain
1	6Y	182	PHE	Sidechain
1	6Y	20	GLU	Mainchain
1	6Y	21	ASN	Peptide
1	6Y	22	HIS	Sidechain
1	6Y	23	GLY	Mainchain
1	6Y	24	VAL	Mainchain
1	6Y	25	ASP	Peptide

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Mol	Chain	Res	Type	Group
1	6Y	26	ALA	Mainchain,Peptide
1	6Y	27	LYS	Peptide
1	6Y	29	TYR	Sidechain
1	6Y	30	PHE	Mainchain,Sidechain
1	6Y	34	ALA	Mainchain
1	6Y	35	THR	Mainchain
1	6Y	36	THR	Mainchain
1	6Y	37	ALA	Mainchain
1	6Y	38	PRO	Mainchain
1	6Y	39	GLN	Mainchain,Sidechain
1	6Y	41	ILE	Mainchain,Peptide
1	6Y	43	HIS	Mainchain
1	6Y	47	VAL	Peptide
1	6Y	48	TYR	Sidechain
1	6Y	50	ARG	Mainchain
1	6Y	52	PHE	Sidechain
1	6Y	64	TYR	Mainchain
1	6Y	65	PHE	Mainchain,Peptide,Sidechain
1	6Y	66	ARG	Mainchain,Sidechain
1	6Y	79	THR	Mainchain
1	6Y	8	LEU	Peptide
1	6Y	80	PHE	Sidechain
1	6Y	81	ASN	Sidechain
1	6Y	82	ARG	Sidechain
1	6Y	84	ARG	Mainchain,Peptide,Sidechain
1	6Y	88	GLY	Peptide
1	6Y	89	PHE	Mainchain,Peptide,Sidechain
1	6Y	9	PHE	Sidechain
1	6Y	90	PHE	Sidechain
1	6Y	91	PRO	Mainchain
1	6Y	92	ASN	Peptide
1	6Y	94	THR	Peptide
1	6Y	96	ASP	Peptide,Sidechain
1	6Y	97	SER	Peptide
2	6Z	106	GLY	Mainchain
2	6Z	107	PHE	Peptide,Sidechain
2	6Z	108	HIS	Peptide
2	6Z	15	VAL	Mainchain
2	6Z	2	GLU	Mainchain
2	6Z	209	LEU	Mainchain
2	6Z	215	GLN	Sidechain
2	6Z	216	ASN	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
2	6Z	217	PRO	Mainchain
2	6Z	22	GLN	Sidechain
2	6Z	220	PHE	Sidechain
2	6Z	222	GLN	Sidechain
2	6Z	224	VAL	Peptide
2	6Z	225	ASN	Mainchain
2	6Z	226	ILE	Peptide
2	6Z	227	TYR	Sidechain
2	6Z	228	ASP	Mainchain
2	6Z	229	ASN	Sidechain
2	6Z	23	HIS	Mainchain,Sidechain
2	6Z	25	SER	Peptide
2	6Z	28	THR	Mainchain
2	6Z	29	MET	Mainchain
2	6Z	30	PRO	Mainchain,Peptide
2	6Z	31	PHE	Mainchain,Sidechain
2	6Z	35	PHE	Mainchain,Sidechain
2	6Z	36	SER	Mainchain
2	6Z	37	ASN	Mainchain
2	6Z	38	VAL	Mainchain
2	6Z	39	ASP	Mainchain
2	6Z	4	GLU	Mainchain,Peptide
2	6Z	40	ASN	Sidechain
2	6Z	41	PHE	Mainchain,Peptide,Sidechain
2	6Z	44	MET	Mainchain
2	6Z	46	TYR	Mainchain,Peptide,Sidechain
2	6Z	47	ASP	Sidechain
2	6Z	50	THR	Mainchain
2	6Z	52	ASP	Peptide
2	6Z	54	ASN	Mainchain,Sidechain
2	6Z	55	PRO	Mainchain
2	6Z	56	SER	Mainchain
2	6Z	57	LYS	Mainchain,Peptide
2	6Z	59	VAL	Mainchain
2	6Z	67	THR	Mainchain
2	6Z	70	TRP	Mainchain
2	6Z	71	ALA	Peptide
2	6Z	72	ARG	Peptide,Sidechain
2	6Z	73	GLY	Mainchain
2	6Z	74	TYR	Peptide,Sidechain
2	6Z	75	GLN	Peptide
2	6Z	77	THR	Mainchain

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Mol	Chain	Res	Type	Group
2	6Z	78	HIS	Sidechain
2	6Z	8	VAL	Mainchain,Peptide
2	6Z	9	VAL	Mainchain
2	6Z	91[B]	LYS	Mainchain
1	7A	1	ASP	Mainchain
1	7A	13	ALA	Mainchain
1	7A	14	ASP	Mainchain
1	7A	146	ASN	Sidechain
1	7A	147	ARG	Sidechain
1	7A	149	THR	Mainchain,Peptide
1	7A	150	TYR	Mainchain,Sidechain
1	7A	152	SER	Mainchain
1	7A	154	SER	Mainchain
1	7A	155	PRO	Mainchain,Peptide
1	7A	156	SER	Mainchain
1	7A	16	THR	Mainchain,Peptide
1	7A	166	MET	Mainchain
1	7A	167	GLY	Mainchain,Peptide
1	7A	169	ASP	Mainchain
1	7A	17	THR	Mainchain,Peptide
1	7A	170	ALA	Peptide
1	7A	171	ARG	Mainchain
1	7A	172	PHE	Mainchain,Sidechain
1	7A	179	VAL	Mainchain
1	7A	180	VAL	Mainchain
1	7A	182	PHE	Sidechain
1	7A	20	GLU	Mainchain
1	7A	21	ASN	Peptide
1	7A	22	HIS	Sidechain
1	7A	23	GLY	Mainchain
1	7A	24	VAL	Mainchain
1	7A	25	ASP	Peptide
1	7A	26	ALA	Mainchain,Peptide
1	7A	27	LYS	Peptide
1	7A	29	TYR	Sidechain
1	7A	30	PHE	Mainchain,Sidechain
1	7A	34	ALA	Mainchain
1	7A	35	THR	Mainchain
1	7A	36	THR	Mainchain
1	7A	37	ALA	Mainchain
1	7A	38	PRO	Mainchain
1	7A	39	GLN	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
1	7A	41	ILE	Mainchain,Peptide
1	7A	43	HIS	Mainchain
1	7A	47	VAL	Peptide
1	7A	48	TYR	Sidechain
1	7A	50	ARG	Mainchain
1	7A	52	PHE	Sidechain
1	7A	64	TYR	Mainchain
1	7A	65	PHE	Mainchain,Peptide,Sidechain
1	7A	66	ARG	Mainchain,Sidechain
1	7A	79	THR	Mainchain
1	7A	8	LEU	Peptide
1	7A	80	PHE	Sidechain
1	7A	81	ASN	Sidechain
1	7A	82	ARG	Sidechain
1	7A	84	ARG	Mainchain,Peptide,Sidechain
1	7A	88	GLY	Peptide
1	7A	89	PHE	Mainchain,Peptide,Sidechain
1	7A	9	PHE	Sidechain
1	7A	90	PHE	Sidechain
1	7A	91	PRO	Mainchain
1	7A	92	ASN	Peptide
1	7A	94	THR	Peptide
1	7A	96	ASP	Peptide,Sidechain
1	7A	97	SER	Peptide
2	7B	106	GLY	Mainchain
2	7B	107	PHE	Peptide,Sidechain
2	7B	108	HIS	Peptide
2	7B	15	VAL	Mainchain
2	7B	2	GLU	Mainchain
2	7B	209	LEU	Mainchain
2	7B	215	GLN	Sidechain
2	7B	216	ASN	Mainchain,Sidechain
2	7B	217	PRO	Mainchain
2	7B	22	GLN	Sidechain
2	7B	220	PHE	Sidechain
2	7B	222	GLN	Sidechain
2	7B	224	VAL	Peptide
2	7B	225	ASN	Mainchain
2	7B	226	ILE	Peptide
2	7B	227	TYR	Sidechain
2	7B	228	ASP	Mainchain
2	7B	229	ASN	Sidechain

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Mol	Chain	Res	Type	Group
2	7B	23	HIS	Mainchain,Sidechain
2	7B	25	SER	Peptide
2	7B	28	THR	Mainchain
2	7B	29	MET	Mainchain
2	7B	30	PRO	Mainchain,Peptide
2	7B	31	PHE	Mainchain,Sidechain
2	7B	35	PHE	Mainchain,Sidechain
2	7B	36	SER	Mainchain
2	7B	37	ASN	Mainchain
2	7B	38	VAL	Mainchain
2	7B	39	ASP	Mainchain
2	7B	4	GLU	Mainchain,Peptide
2	7B	40	ASN	Sidechain
2	7B	41	PHE	Mainchain,Peptide,Sidechain
2	7B	44	MET	Mainchain
2	7B	46	TYR	Mainchain,Peptide,Sidechain
2	7B	47	ASP	Sidechain
2	7B	50	THR	Mainchain
2	7B	52	ASP	Peptide
2	7B	54	ASN	Mainchain,Sidechain
2	7B	55	PRO	Mainchain
2	7B	56	SER	Mainchain
2	7B	57	LYS	Mainchain,Peptide
2	7B	59	VAL	Mainchain
2	7B	67	THR	Mainchain
2	7B	70	TRP	Mainchain
2	7B	71	ALA	Peptide
2	7B	72	ARG	Peptide,Sidechain
2	7B	73	GLY	Mainchain
2	7B	74	TYR	Peptide,Sidechain
2	7B	75	GLN	Peptide
2	7B	77	THR	Mainchain
2	7B	78	HIS	Sidechain
2	7B	8	VAL	Mainchain,Peptide
2	7B	9	VAL	Mainchain
2	7B	91[B]	LYS	Mainchain
4	7D	27	PHE	Sidechain
1	7E	1	ASP	Mainchain
1	7E	13	ALA	Mainchain
1	7E	14	ASP	Mainchain
1	7E	146	ASN	Sidechain
1	7E	147	ARG	Sidechain

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Mol	Chain	Res	Type	Group
1	7E	149	THR	Mainchain,Peptide
1	7E	150	TYR	Mainchain,Sidechain
1	7E	152	SER	Mainchain
1	7E	154	SER	Mainchain
1	7E	155	PRO	Mainchain,Peptide
1	7E	156	SER	Mainchain
1	7E	16	THR	Mainchain,Peptide
1	7E	166	MET	Mainchain
1	7E	167	GLY	Mainchain,Peptide
1	7E	169	ASP	Mainchain
1	7E	17	THR	Mainchain,Peptide
1	7E	170	ALA	Peptide
1	7E	171	ARG	Mainchain
1	7E	172	PHE	Mainchain,Sidechain
1	7E	179	VAL	Mainchain
1	7E	180	VAL	Mainchain
1	7E	182	PHE	Sidechain
1	7E	20	GLU	Mainchain
1	7E	21	ASN	Peptide
1	7E	22	HIS	Sidechain
1	7E	23	GLY	Mainchain
1	7E	24	VAL	Mainchain
1	7E	25	ASP	Peptide
1	7E	26	ALA	Mainchain,Peptide
1	7E	27	LYS	Peptide
1	7E	29	TYR	Sidechain
1	7E	30	PHE	Mainchain,Sidechain
1	7E	34	ALA	Mainchain
1	7E	35	THR	Mainchain
1	7E	36	THR	Mainchain
1	7E	37	ALA	Mainchain
1	7E	38	PRO	Mainchain
1	7E	39	GLN	Mainchain,Sidechain
1	7E	41	ILE	Mainchain,Peptide
1	7E	43	HIS	Mainchain
1	7E	47	VAL	Peptide
1	7E	48	TYR	Sidechain
1	7E	50	ARG	Mainchain
1	7E	52	PHE	Sidechain
1	7E	64	TYR	Mainchain
1	7E	65	PHE	Mainchain,Peptide,Sidechain
1	7E	66	ARG	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
1	7E	79	THR	Mainchain
1	7E	8	LEU	Peptide
1	7E	80	PHE	Sidechain
1	7E	81	ASN	Sidechain
1	7E	82	ARG	Sidechain
1	7E	84	ARG	Mainchain,Peptide,Sidechain
1	7E	88	GLY	Peptide
1	7E	89	PHE	Mainchain,Peptide,Sidechain
1	7E	9	PHE	Sidechain
1	7E	90	PHE	Sidechain
1	7E	91	PRO	Mainchain
1	7E	92	ASN	Peptide
1	7E	94	THR	Peptide
1	7E	96	ASP	Peptide,Sidechain
1	7E	97	SER	Peptide
2	7F	106	GLY	Mainchain
2	7F	107	PHE	Peptide,Sidechain
2	7F	108	HIS	Peptide
2	7F	15	VAL	Mainchain
2	7F	2	GLU	Mainchain
2	7F	209	LEU	Mainchain
2	7F	215	GLN	Sidechain
2	7F	216	ASN	Mainchain,Sidechain
2	7F	217	PRO	Mainchain
2	7F	22	GLN	Sidechain
2	7F	220	PHE	Sidechain
2	7F	222	GLN	Sidechain
2	7F	224	VAL	Peptide
2	7F	225	ASN	Mainchain
2	7F	226	ILE	Peptide
2	7F	227	TYR	Sidechain
2	7F	228	ASP	Mainchain
2	7F	229	ASN	Sidechain
2	7F	23	HIS	Mainchain,Sidechain
2	7F	25	SER	Peptide
2	7F	28	THR	Mainchain
2	7F	29	MET	Mainchain
2	7F	30	PRO	Mainchain,Peptide
2	7F	31	PHE	Mainchain,Sidechain
2	7F	35	PHE	Mainchain,Sidechain
2	7F	36	SER	Mainchain
2	7F	37	ASN	Mainchain

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Mol	Chain	Res	Type	Group
2	7F	38	VAL	Mainchain
2	7F	39	ASP	Mainchain
2	7F	4	GLU	Mainchain,Peptide
2	7F	40	ASN	Sidechain
2	7F	41	PHE	Mainchain,Peptide,Sidechain
2	7F	44	MET	Mainchain
2	7F	46	TYR	Mainchain,Peptide,Sidechain
2	7F	47	ASP	Sidechain
2	7F	50	THR	Mainchain
2	7F	52	ASP	Peptide
2	7F	54	ASN	Mainchain,Sidechain
2	7F	55	PRO	Mainchain
2	7F	56	SER	Mainchain
2	7F	57	LYS	Mainchain,Peptide
2	7F	59	VAL	Mainchain
2	7F	67	THR	Mainchain
2	7F	70	TRP	Mainchain
2	7F	71	ALA	Peptide
2	7F	72	ARG	Peptide,Sidechain
2	7F	73	GLY	Mainchain
2	7F	74	TYR	Peptide,Sidechain
2	7F	75	GLN	Peptide
2	7F	77	THR	Mainchain
2	7F	78	HIS	Sidechain
2	7F	8	VAL	Mainchain,Peptide
2	7F	9	VAL	Mainchain
2	7F	91[B]	LYS	Mainchain
4	7H	27	PHE	Sidechain
1	7I	1	ASP	Mainchain
1	7I	13	ALA	Mainchain
1	7I	14	ASP	Mainchain
1	7I	146	ASN	Sidechain
1	7I	147	ARG	Sidechain
1	7I	149	THR	Mainchain,Peptide
1	7I	150	TYR	Mainchain,Sidechain
1	7I	152	SER	Mainchain
1	7I	154	SER	Mainchain
1	7I	155	PRO	Mainchain,Peptide
1	7I	156	SER	Mainchain
1	7I	16	THR	Mainchain,Peptide
1	7I	166	MET	Mainchain
1	7I	167	GLY	Mainchain,Peptide

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Mol	Chain	Res	Type	Group
1	7I	169	ASP	Mainchain
1	7I	17	THR	Mainchain,Peptide
1	7I	170	ALA	Peptide
1	7I	171	ARG	Mainchain
1	7I	172	PHE	Mainchain,Sidechain
1	7I	179	VAL	Mainchain
1	7I	180	VAL	Mainchain
1	7I	182	PHE	Sidechain
1	7I	20	GLU	Mainchain
1	7I	21	ASN	Peptide
1	7I	22	HIS	Sidechain
1	7I	23	GLY	Mainchain
1	7I	24	VAL	Mainchain
1	7I	25	ASP	Peptide
1	7I	26	ALA	Mainchain,Peptide
1	7I	27	LYS	Peptide
1	7I	29	TYR	Sidechain
1	7I	30	PHE	Mainchain,Sidechain
1	7I	34	ALA	Mainchain
1	7I	35	THR	Mainchain
1	7I	36	THR	Mainchain
1	7I	37	ALA	Mainchain
1	7I	38	PRO	Mainchain
1	7I	39	GLN	Mainchain,Sidechain
1	7I	41	ILE	Mainchain,Peptide
1	7I	43	HIS	Mainchain
1	7I	47	VAL	Peptide
1	7I	48	TYR	Sidechain
1	7I	50	ARG	Mainchain
1	7I	52	PHE	Sidechain
1	7I	64	TYR	Mainchain
1	7I	65	PHE	Mainchain,Peptide,Sidechain
1	7I	66	ARG	Mainchain,Sidechain
1	7I	79	THR	Mainchain
1	7I	8	LEU	Peptide
1	7I	80	PHE	Sidechain
1	7I	81	ASN	Sidechain
1	7I	82	ARG	Sidechain
1	7I	84	ARG	Mainchain,Peptide,Sidechain
1	7I	88	GLY	Peptide
1	7I	89	PHE	Mainchain,Peptide,Sidechain
1	7I	9	PHE	Sidechain

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Mol	Chain	Res	Type	Group
1	7I	90	PHE	Sidechain
1	7I	91	PRO	Mainchain
1	7I	92	ASN	Peptide
1	7I	94	THR	Peptide
1	7I	96	ASP	Peptide,Sidechain
1	7I	97	SER	Peptide
2	7J	106	GLY	Mainchain
2	7J	107	PHE	Peptide,Sidechain
2	7J	108	HIS	Peptide
2	7J	15	VAL	Mainchain
2	7J	2	GLU	Mainchain
2	7J	209	LEU	Mainchain
2	7J	215	GLN	Sidechain
2	7J	216	ASN	Mainchain,Sidechain
2	7J	217	PRO	Mainchain
2	7J	22	GLN	Sidechain
2	7J	220	PHE	Sidechain
2	7J	222	GLN	Sidechain
2	7J	224	VAL	Peptide
2	7J	225	ASN	Mainchain
2	7J	226	ILE	Peptide
2	7J	227	TYR	Sidechain
2	7J	228	ASP	Mainchain
2	7J	229	ASN	Sidechain
2	7J	23	HIS	Mainchain,Sidechain
2	7J	25	SER	Peptide
2	7J	28	THR	Mainchain
2	7J	29	MET	Mainchain
2	7J	30	PRO	Mainchain,Peptide
2	7J	31	PHE	Mainchain,Sidechain
2	7J	35	PHE	Mainchain,Sidechain
2	7J	36	SER	Mainchain
2	7J	37	ASN	Mainchain
2	7J	38	VAL	Mainchain
2	7J	39	ASP	Mainchain
2	7J	4	GLU	Mainchain,Peptide
2	7J	40	ASN	Sidechain
2	7J	41	PHE	Mainchain,Peptide,Sidechain
2	7J	44	MET	Mainchain
2	7J	46	TYR	Mainchain,Peptide,Sidechain
2	7J	47	ASP	Sidechain
2	7J	50	THR	Mainchain

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Mol	Chain	Res	Type	Group
2	7J	52	ASP	Peptide
2	7J	54	ASN	Mainchain,Sidechain
2	7J	55	PRO	Mainchain
2	7J	56	SER	Mainchain
2	7J	57	LYS	Mainchain,Peptide
2	7J	59	VAL	Mainchain
2	7J	67	THR	Mainchain
2	7J	70	TRP	Mainchain
2	7J	71	ALA	Peptide
2	7J	72	ARG	Peptide,Sidechain
2	7J	73	GLY	Mainchain
2	7J	74	TYR	Peptide,Sidechain
2	7J	75	GLN	Peptide
2	7J	77	THR	Mainchain
2	7J	78	HIS	Sidechain
2	7J	8	VAL	Mainchain,Peptide
2	7J	9	VAL	Mainchain
2	7J	91[B]	LYS	Mainchain
4	7L	27	PHE	Sidechain
1	7M	1	ASP	Mainchain
1	7M	13	ALA	Mainchain
1	7M	14	ASP	Mainchain
1	7M	146	ASN	Sidechain
1	7M	147	ARG	Sidechain
1	7M	149	THR	Mainchain,Peptide
1	7M	150	TYR	Mainchain,Sidechain
1	7M	152	SER	Mainchain
1	7M	154	SER	Mainchain
1	7M	155	PRO	Mainchain,Peptide
1	7M	156	SER	Mainchain
1	7M	16	THR	Mainchain,Peptide
1	7M	166	MET	Mainchain
1	7M	167	GLY	Mainchain,Peptide
1	7M	169	ASP	Mainchain
1	7M	17	THR	Mainchain,Peptide
1	7M	170	ALA	Peptide
1	7M	171	ARG	Mainchain
1	7M	172	PHE	Mainchain,Sidechain
1	7M	179	VAL	Mainchain
1	7M	180	VAL	Mainchain
1	7M	182	PHE	Sidechain
1	7M	20	GLU	Mainchain

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Mol	Chain	Res	Type	Group
1	7M	21	ASN	Peptide
1	7M	22	HIS	Sidechain
1	7M	23	GLY	Mainchain
1	7M	24	VAL	Mainchain
1	7M	25	ASP	Peptide
1	7M	26	ALA	Mainchain,Peptide
1	7M	27	LYS	Peptide
1	7M	29	TYR	Sidechain
1	7M	30	PHE	Mainchain,Sidechain
1	7M	34	ALA	Mainchain
1	7M	35	THR	Mainchain
1	7M	36	THR	Mainchain
1	7M	37	ALA	Mainchain
1	7M	38	PRO	Mainchain
1	7M	39	GLN	Mainchain,Sidechain
1	7M	41	ILE	Mainchain,Peptide
1	7M	43	HIS	Mainchain
1	7M	47	VAL	Peptide
1	7M	48	TYR	Sidechain
1	7M	50	ARG	Mainchain
1	7M	52	PHE	Sidechain
1	7M	64	TYR	Mainchain
1	7M	65	PHE	Mainchain,Peptide,Sidechain
1	7M	66	ARG	Mainchain,Sidechain
1	7M	79	THR	Mainchain
1	7M	8	LEU	Peptide
1	7M	80	PHE	Sidechain
1	7M	81	ASN	Sidechain
1	7M	82	ARG	Sidechain
1	7M	84	ARG	Mainchain,Peptide,Sidechain
1	7M	88	GLY	Peptide
1	7M	89	PHE	Mainchain,Peptide,Sidechain
1	7M	9	PHE	Sidechain
1	7M	90	PHE	Sidechain
1	7M	91	PRO	Mainchain
1	7M	92	ASN	Peptide
1	7M	94	THR	Peptide
1	7M	96	ASP	Peptide,Sidechain
1	7M	97	SER	Peptide
2	7N	106	GLY	Mainchain
2	7N	107	PHE	Peptide,Sidechain
2	7N	108	HIS	Peptide

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Mol	Chain	Res	Type	Group
2	7N	15	VAL	Mainchain
2	7N	2	GLU	Mainchain
2	7N	209	LEU	Mainchain
2	7N	215	GLN	Sidechain
2	7N	216	ASN	Mainchain,Sidechain
2	7N	217	PRO	Mainchain
2	7N	22	GLN	Sidechain
2	7N	220	PHE	Sidechain
2	7N	222	GLN	Sidechain
2	7N	224	VAL	Peptide
2	7N	225	ASN	Mainchain
2	7N	226	ILE	Peptide
2	7N	227	TYR	Sidechain
2	7N	228	ASP	Mainchain
2	7N	229	ASN	Sidechain
2	7N	23	HIS	Mainchain,Sidechain
2	7N	25	SER	Peptide
2	7N	28	THR	Mainchain
2	7N	29	MET	Mainchain
2	7N	30	PRO	Mainchain,Peptide
2	7N	31	PHE	Mainchain,Sidechain
2	7N	35	PHE	Mainchain,Sidechain
2	7N	36	SER	Mainchain
2	7N	37	ASN	Mainchain
2	7N	38	VAL	Mainchain
2	7N	39	ASP	Mainchain
2	7N	4	GLU	Mainchain,Peptide
2	7N	40	ASN	Sidechain
2	7N	41	PHE	Mainchain,Peptide,Sidechain
2	7N	44	MET	Mainchain
2	7N	46	TYR	Mainchain,Peptide,Sidechain
2	7N	47	ASP	Sidechain
2	7N	50	THR	Mainchain
2	7N	52	ASP	Peptide
2	7N	54	ASN	Mainchain,Sidechain
2	7N	55	PRO	Mainchain
2	7N	56	SER	Mainchain
2	7N	57	LYS	Mainchain,Peptide
2	7N	59	VAL	Mainchain
2	7N	67	THR	Mainchain
2	7N	70	TRP	Mainchain
2	7N	71	ALA	Peptide

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Mol	Chain	Res	Type	Group
2	7N	72	ARG	Peptide,Sidechain
2	7N	73	GLY	Mainchain
2	7N	74	TYR	Peptide,Sidechain
2	7N	75	GLN	Peptide
2	7N	77	THR	Mainchain
2	7N	78	HIS	Sidechain
2	7N	8	VAL	Mainchain,Peptide
2	7N	9	VAL	Mainchain
2	7N	91[B]	LYS	Mainchain
4	7P	27	PHE	Sidechain
1	7Q	1	ASP	Mainchain
1	7Q	13	ALA	Mainchain
1	7Q	14	ASP	Mainchain
1	7Q	146	ASN	Sidechain
1	7Q	147	ARG	Sidechain
1	7Q	149	THR	Mainchain,Peptide
1	7Q	150	TYR	Mainchain,Sidechain
1	7Q	152	SER	Mainchain
1	7Q	154	SER	Mainchain
1	7Q	155	PRO	Mainchain,Peptide
1	7Q	156	SER	Mainchain
1	7Q	16	THR	Mainchain,Peptide
1	7Q	166	MET	Mainchain
1	7Q	167	GLY	Mainchain,Peptide
1	7Q	169	ASP	Mainchain
1	7Q	17	THR	Mainchain,Peptide
1	7Q	170	ALA	Peptide
1	7Q	171	ARG	Mainchain
1	7Q	172	PHE	Mainchain,Sidechain
1	7Q	179	VAL	Mainchain
1	7Q	180	VAL	Mainchain
1	7Q	182	PHE	Sidechain
1	7Q	20	GLU	Mainchain
1	7Q	21	ASN	Peptide
1	7Q	22	HIS	Sidechain
1	7Q	23	GLY	Mainchain
1	7Q	24	VAL	Mainchain
1	7Q	25	ASP	Peptide
1	7Q	26	ALA	Mainchain,Peptide
1	7Q	27	LYS	Peptide
1	7Q	29	TYR	Sidechain
1	7Q	30	PHE	Mainchain,Sidechain

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Mol	Chain	Res	Type	Group
1	7Q	34	ALA	Mainchain
1	7Q	35	THR	Mainchain
1	7Q	36	THR	Mainchain
1	7Q	37	ALA	Mainchain
1	7Q	38	PRO	Mainchain
1	7Q	39	GLN	Mainchain,Sidechain
1	7Q	41	ILE	Mainchain,Peptide
1	7Q	43	HIS	Mainchain
1	7Q	47	VAL	Peptide
1	7Q	48	TYR	Sidechain
1	7Q	50	ARG	Mainchain
1	7Q	52	PHE	Sidechain
1	7Q	64	TYR	Mainchain
1	7Q	65	PHE	Mainchain,Peptide,Sidechain
1	7Q	66	ARG	Mainchain,Sidechain
1	7Q	79	THR	Mainchain
1	7Q	8	LEU	Peptide
1	7Q	80	PHE	Sidechain
1	7Q	81	ASN	Sidechain
1	7Q	82	ARG	Sidechain
1	7Q	84	ARG	Mainchain,Peptide,Sidechain
1	7Q	88	GLY	Peptide
1	7Q	89	PHE	Mainchain,Peptide,Sidechain
1	7Q	9	PHE	Sidechain
1	7Q	90	PHE	Sidechain
1	7Q	91	PRO	Mainchain
1	7Q	92	ASN	Peptide
1	7Q	94	THR	Peptide
1	7Q	96	ASP	Peptide,Sidechain
1	7Q	97	SER	Peptide
2	7R	106	GLY	Mainchain
2	7R	107	PHE	Peptide,Sidechain
2	7R	108	HIS	Peptide
2	7R	15	VAL	Mainchain
2	7R	2	GLU	Mainchain
2	7R	209	LEU	Mainchain
2	7R	215	GLN	Sidechain
2	7R	216	ASN	Mainchain,Sidechain
2	7R	217	PRO	Mainchain
2	7R	22	GLN	Sidechain
2	7R	220	PHE	Sidechain
2	7R	222	GLN	Sidechain

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Mol	Chain	Res	Type	Group
2	7R	224	VAL	Peptide
2	7R	225	ASN	Mainchain
2	7R	226	ILE	Peptide
2	7R	227	TYR	Sidechain
2	7R	228	ASP	Mainchain
2	7R	229	ASN	Sidechain
2	7R	23	HIS	Mainchain,Sidechain
2	7R	25	SER	Peptide
2	7R	28	THR	Mainchain
2	7R	29	MET	Mainchain
2	7R	30	PRO	Mainchain,Peptide
2	7R	31	PHE	Mainchain,Sidechain
2	7R	35	PHE	Mainchain,Sidechain
2	7R	36	SER	Mainchain
2	7R	37	ASN	Mainchain
2	7R	38	VAL	Mainchain
2	7R	39	ASP	Mainchain
2	7R	4	GLU	Mainchain,Peptide
2	7R	40	ASN	Sidechain
2	7R	41	PHE	Mainchain,Peptide,Sidechain
2	7R	44	MET	Mainchain
2	7R	46	TYR	Mainchain,Peptide,Sidechain
2	7R	47	ASP	Sidechain
2	7R	50	THR	Mainchain
2	7R	52	ASP	Peptide
2	7R	54	ASN	Mainchain,Sidechain
2	7R	55	PRO	Mainchain
2	7R	56	SER	Mainchain
2	7R	57	LYS	Mainchain,Peptide
2	7R	59	VAL	Mainchain
2	7R	67	THR	Mainchain
2	7R	70	TRP	Mainchain
2	7R	71	ALA	Peptide
2	7R	72	ARG	Peptide,Sidechain
2	7R	73	GLY	Mainchain
2	7R	74	TYR	Peptide,Sidechain
2	7R	75	GLN	Peptide
2	7R	77	THR	Mainchain
2	7R	78	HIS	Sidechain
2	7R	8	VAL	Mainchain,Peptide
2	7R	9	VAL	Mainchain
2	7R	91[B]	LYS	Mainchain

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Mol	Chain	Res	Type	Group
4	7T	27	PHE	Sidechain
1	7U	1	ASP	Mainchain
1	7U	13	ALA	Mainchain
1	7U	14	ASP	Mainchain
1	7U	146	ASN	Sidechain
1	7U	147	ARG	Sidechain
1	7U	149	THR	Mainchain,Peptide
1	7U	150	TYR	Mainchain,Sidechain
1	7U	152	SER	Mainchain
1	7U	154	SER	Mainchain
1	7U	155	PRO	Mainchain,Peptide
1	7U	156	SER	Mainchain
1	7U	16	THR	Mainchain,Peptide
1	7U	166	MET	Mainchain
1	7U	167	GLY	Mainchain,Peptide
1	7U	169	ASP	Mainchain
1	7U	17	THR	Mainchain,Peptide
1	7U	170	ALA	Peptide
1	7U	171	ARG	Mainchain
1	7U	172	PHE	Mainchain,Sidechain
1	7U	179	VAL	Mainchain
1	7U	180	VAL	Mainchain
1	7U	182	PHE	Sidechain
1	7U	20	GLU	Mainchain
1	7U	21	ASN	Peptide
1	7U	22	HIS	Sidechain
1	7U	23	GLY	Mainchain
1	7U	24	VAL	Mainchain
1	7U	25	ASP	Peptide
1	7U	26	ALA	Mainchain,Peptide
1	7U	27	LYS	Peptide
1	7U	29	TYR	Sidechain
1	7U	30	PHE	Mainchain,Sidechain
1	7U	34	ALA	Mainchain
1	7U	35	THR	Mainchain
1	7U	36	THR	Mainchain
1	7U	37	ALA	Mainchain
1	7U	38	PRO	Mainchain
1	7U	39	GLN	Mainchain,Sidechain
1	7U	41	ILE	Mainchain,Peptide
1	7U	43	HIS	Mainchain
1	7U	47	VAL	Peptide

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Mol	Chain	Res	Type	Group
1	7U	48	TYR	Sidechain
1	7U	50	ARG	Mainchain
1	7U	52	PHE	Sidechain
1	7U	64	TYR	Mainchain
1	7U	65	PHE	Mainchain,Peptide,Sidechain
1	7U	66	ARG	Mainchain,Sidechain
1	7U	79	THR	Mainchain
1	7U	8	LEU	Peptide
1	7U	80	PHE	Sidechain
1	7U	81	ASN	Sidechain
1	7U	82	ARG	Sidechain
1	7U	84	ARG	Mainchain,Peptide,Sidechain
1	7U	88	GLY	Peptide
1	7U	89	PHE	Mainchain,Peptide,Sidechain
1	7U	9	PHE	Sidechain
1	7U	90	PHE	Sidechain
1	7U	91	PRO	Mainchain
1	7U	92	ASN	Peptide
1	7U	94	THR	Peptide
1	7U	96	ASP	Peptide,Sidechain
1	7U	97	SER	Peptide
2	7V	106	GLY	Mainchain
2	7V	107	PHE	Peptide,Sidechain
2	7V	108	HIS	Peptide
2	7V	15	VAL	Mainchain
2	7V	2	GLU	Mainchain
2	7V	209	LEU	Mainchain
2	7V	215	GLN	Sidechain
2	7V	216	ASN	Mainchain,Sidechain
2	7V	217	PRO	Mainchain
2	7V	22	GLN	Sidechain
2	7V	220	PHE	Sidechain
2	7V	222	GLN	Sidechain
2	7V	224	VAL	Peptide
2	7V	225	ASN	Mainchain
2	7V	226	ILE	Peptide
2	7V	227	TYR	Sidechain
2	7V	228	ASP	Mainchain
2	7V	229	ASN	Sidechain
2	7V	23	HIS	Mainchain,Sidechain
2	7V	25	SER	Peptide
2	7V	28	THR	Mainchain

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Mol	Chain	Res	Type	Group
2	7V	29	MET	Mainchain
2	7V	30	PRO	Mainchain,Peptide
2	7V	31	PHE	Mainchain,Sidechain
2	7V	35	PHE	Mainchain,Sidechain
2	7V	36	SER	Mainchain
2	7V	37	ASN	Mainchain
2	7V	38	VAL	Mainchain
2	7V	39	ASP	Mainchain
2	7V	4	GLU	Mainchain,Peptide
2	7V	40	ASN	Sidechain
2	7V	41	PHE	Mainchain,Peptide,Sidechain
2	7V	44	MET	Mainchain
2	7V	46	TYR	Mainchain,Peptide,Sidechain
2	7V	47	ASP	Sidechain
2	7V	50	THR	Mainchain
2	7V	52	ASP	Peptide
2	7V	54	ASN	Mainchain,Sidechain
2	7V	55	PRO	Mainchain
2	7V	56	SER	Mainchain
2	7V	57	LYS	Mainchain,Peptide
2	7V	59	VAL	Mainchain
2	7V	67	THR	Mainchain
2	7V	70	TRP	Mainchain
2	7V	71	ALA	Peptide
2	7V	72	ARG	Peptide,Sidechain
2	7V	73	GLY	Mainchain
2	7V	74	TYR	Peptide,Sidechain
2	7V	75	GLN	Peptide
2	7V	77	THR	Mainchain
2	7V	78	HIS	Sidechain
2	7V	8	VAL	Mainchain,Peptide
2	7V	9	VAL	Mainchain
2	7V	91[B]	LYS	Mainchain
4	7X	27	PHE	Sidechain

5.2 Too-close contacts (i)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	12	1449	0	1392	0	0
1	16	1449	0	1392	0	0
1	1A	1449	0	1392	0	0
1	1E	1449	0	1392	0	0
1	1I	1449	0	1392	0	0
1	1M	1449	0	1392	0	0
1	1Q	1449	0	1392	0	0
1	1U	1449	0	1392	0	0
1	1Y	1449	0	1392	0	0
1	22	1449	0	1392	0	0
1	26	1449	0	1392	0	0
1	2A	1449	0	1392	0	0
1	2E	1449	0	1392	0	0
1	2I	1449	0	1392	0	0
1	2M	1449	0	1392	0	0
1	2Q	1449	0	1392	0	0
1	2U	1449	0	1392	0	0
1	2Y	1449	0	1392	0	0
1	32	1449	0	1392	0	0
1	36	1449	0	1392	0	0
1	3A	1449	0	1392	0	0
1	3E	1449	0	1392	0	0
1	3I	1449	0	1392	0	0
1	3M	1449	0	1392	0	0
1	3Q	1449	0	1392	0	0
1	3U	1449	0	1392	0	0
1	3Y	1449	0	1392	0	0
1	42	1449	0	1392	0	0
1	46	1449	0	1392	0	0
1	4A	1449	0	1392	0	0
1	4E	1449	0	1392	0	0
1	4I	1449	0	1392	0	0
1	4M	1449	0	1392	0	0
1	4Q	1449	0	1392	0	0
1	4U	1449	0	1392	0	0
1	4Y	1449	0	1392	0	0
1	52	1449	0	1392	0	0
1	56	1449	0	1392	0	0
1	5A	1449	0	1392	0	0
1	5E	1449	0	1392	0	0
1	5I	1449	0	1392	0	0
1	5M	1449	0	1392	0	0
1	5Q	1449	0	1392	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	5U	1449	0	1392	0	0
1	5Y	1449	0	1392	0	0
1	62	1449	0	1392	0	0
1	66	1449	0	1392	0	0
1	6A	1449	0	1392	0	0
1	6E	1449	0	1392	0	0
1	6I	1449	0	1392	0	0
1	6M	1449	0	1392	0	0
1	6Q	1449	0	1392	0	0
1	6U	1449	0	1392	0	0
1	6Y	1449	0	1392	0	0
1	7A	1449	0	1392	0	0
1	7E	1449	0	1392	0	0
1	7I	1449	0	1392	0	0
1	7M	1449	0	1392	0	0
1	7Q	1449	0	1392	0	0
1	7U	1449	0	1392	0	0
2	13	1810	0	1683	0	0
2	17	1810	0	1683	0	0
2	1B	1810	0	1683	0	0
2	1F	1810	0	1683	0	0
2	1J	1810	0	1683	0	0
2	1N	1810	0	1683	0	0
2	1R	1810	0	1683	0	0
2	1V	1810	0	1683	0	0
2	1Z	1810	0	1683	0	0
2	23	1810	0	1683	0	0
2	27	1810	0	1683	0	0
2	2B	1810	0	1683	0	0
2	2F	1810	0	1683	0	0
2	2J	1810	0	1683	0	0
2	2N	1810	0	1683	0	0
2	2R	1810	0	1683	0	0
2	2V	1810	0	1683	0	0
2	2Z	1810	0	1683	0	0
2	33	1810	0	1683	0	0
2	37	1810	0	1683	0	0
2	3B	1810	0	1683	0	0
2	3F	1810	0	1683	0	0
2	3J	1810	0	1683	0	0
2	3N	1810	0	1683	0	0
2	3R	1810	0	1683	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	3V	1810	0	1683	0	0
2	3Z	1810	0	1683	0	0
2	43	1810	0	1683	0	0
2	47	1810	0	1683	0	0
2	4B	1810	0	1683	0	0
2	4F	1810	0	1683	0	0
2	4J	1810	0	1683	0	0
2	4N	1810	0	1683	0	0
2	4R	1810	0	1683	0	0
2	4V	1810	0	1683	0	0
2	4Z	1810	0	1683	0	0
2	53	1810	0	1683	0	0
2	57	1810	0	1683	0	0
2	5B	1810	0	1683	0	0
2	5F	1810	0	1683	0	0
2	5J	1810	0	1683	0	0
2	5N	1810	0	1683	0	0
2	5R	1810	0	1683	0	0
2	5V	1810	0	1683	0	0
2	5Z	1810	0	1683	0	0
2	63	1810	0	1683	0	0
2	67	1810	0	1683	0	0
2	6B	1810	0	1683	0	0
2	6F	1810	0	1683	0	0
2	6J	1810	0	1683	0	0
2	6N	1810	0	1683	0	0
2	6R	1810	0	1683	0	0
2	6V	1810	0	1683	0	0
2	6Z	1810	0	1683	0	0
2	7B	1810	0	1683	0	0
2	7F	1810	0	1683	0	0
2	7J	1810	0	1683	0	0
2	7N	1810	0	1683	0	0
2	7R	1810	0	1683	0	0
2	7V	1810	0	1683	0	0
3	10	858	199	660	0	0
3	14	858	199	660	0	0
3	18	858	199	660	0	0
3	1C	858	199	660	0	0
3	1G	858	199	660	0	0
3	1K	858	199	660	0	0
3	1O	858	199	660	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	1S	858	199	660	0	0
3	1W	858	199	660	0	0
3	20	858	199	660	0	0
3	24	858	199	660	0	0
3	28	858	199	660	0	0
3	2C	858	199	660	0	0
3	2G	858	199	660	0	0
3	2K	858	199	660	0	0
3	2O	858	199	660	0	0
3	2S	858	199	660	0	0
3	2W	858	199	660	0	0
3	30	858	199	660	0	0
3	34	858	199	660	0	0
3	38	858	199	660	0	0
3	3C	858	199	660	0	0
3	3G	858	199	660	0	0
3	3K	858	199	660	0	0
3	3O	858	199	660	0	0
3	3S	858	199	660	0	0
3	3W	858	199	660	0	0
3	40	858	199	660	0	0
3	44	858	199	660	0	0
3	48	858	199	660	0	0
3	4C	858	199	660	0	0
3	4G	858	199	660	0	0
3	4K	858	199	660	0	0
3	4O	858	199	660	0	0
3	4S	858	199	660	0	0
3	4W	858	199	660	0	0
3	50	858	199	660	0	0
3	54	858	199	660	0	0
3	58	858	199	660	0	0
3	5C	858	199	660	0	0
3	5G	858	199	660	0	0
3	5K	858	199	660	0	0
3	5O	858	199	660	0	0
3	5S	858	199	660	0	0
3	5W	858	199	660	0	0
3	60	858	199	660	0	0
3	64	858	199	660	0	0
3	68	858	199	660	0	0
3	6C	858	199	660	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	6G	858	199	660	0	0
3	6K	858	199	660	0	0
3	6O	858	199	660	0	0
3	6S	858	199	660	0	0
3	6W	858	199	660	0	0
3	7C	858	199	660	0	0
3	7G	858	199	660	0	0
3	7K	858	199	660	0	0
3	7O	858	199	660	0	0
3	7S	858	199	660	0	0
3	7W	858	199	660	0	0
4	11	918	208	720	0	0
4	15	918	208	720	0	0
4	19	918	208	720	0	0
4	1D	918	208	720	0	0
4	1H	918	208	720	0	0
4	1L	918	208	720	0	0
4	1P	918	208	720	0	0
4	1T	918	208	720	0	0
4	1X	918	208	720	0	0
4	21	918	208	720	0	0
4	25	918	208	720	0	0
4	29	918	208	720	0	0
4	2D	918	208	720	0	0
4	2H	918	208	720	0	0
4	2L	918	208	720	0	0
4	2P	918	208	720	0	0
4	2T	918	208	720	0	0
4	2X	918	208	720	0	0
4	31	918	208	720	0	0
4	35	918	208	720	0	0
4	39	918	208	720	0	0
4	3D	918	208	720	0	0
4	3H	918	208	720	0	0
4	3L	918	208	720	0	0
4	3P	918	208	720	0	0
4	3T	918	208	720	0	0
4	3X	918	208	720	0	0
4	41	918	208	720	0	0
4	45	918	208	720	0	0
4	49	918	208	720	0	0
4	4D	918	208	720	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
4	4H	918	208	720	0	0
4	4L	918	208	720	0	0
4	4P	918	208	720	0	0
4	4T	918	208	720	0	0
4	4X	918	208	720	0	0
4	51	918	208	720	0	0
4	55	918	208	720	0	0
4	59	918	208	720	0	0
4	5D	918	208	720	0	0
4	5H	918	208	720	0	0
4	5L	918	208	720	0	0
4	5P	918	208	720	0	0
4	5T	918	208	720	0	0
4	5X	918	208	720	0	0
4	61	918	208	720	0	0
4	65	918	208	720	0	0
4	69	918	208	720	0	0
4	6D	918	208	720	0	0
4	6H	918	208	720	0	0
4	6L	918	208	720	0	0
4	6P	918	208	720	0	0
4	6T	918	208	720	0	0
4	6X	918	208	720	0	0
4	7D	918	208	720	0	0
4	7H	918	208	720	0	0
4	7L	918	208	720	0	0
4	7P	918	208	720	0	0
4	7T	918	208	720	0	0
4	7X	918	208	720	0	0
All	All	302100	24420	267300	0	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). Clashscore could not be calculated for this entry.

There are no clashes within the asymmetric unit.

There are no symmetry-related clashes.

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	12	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	16	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	1A	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	1E	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	1I	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	1M	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	1Q	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	1U	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	1Y	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	22	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	26	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	2A	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	2E	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	2I	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	2M	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	2Q	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	2U	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	2Y	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	32	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	36	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	3A	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	3E	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	3I	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	3M	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	3Q	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	3U	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	3Y	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	42	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	46	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	4A	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	4E	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	4I	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	4M	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	4Q	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	4U	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	4Y	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	52	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	56	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	5A	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	5E	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	5I	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	5M	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	5Q	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	5U	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	5Y	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	62	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	66	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	6A	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	6E	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	6I	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	6M	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	6Q	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	6U	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	6Y	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	7A	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	7E	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	7I	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	7M	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	7Q	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
1	7U	181/183 (99%)	142 (78%)	17 (9%)	22 (12%)	0	4
2	13	226/229 (99%)	157 (70%)	27 (12%)	42 (19%)	0	2
2	17	226/229 (99%)	157 (70%)	27 (12%)	42 (19%)	0	2
2	1B	226/229 (99%)	157 (70%)	26 (12%)	43 (19%)	0	2
2	1F	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	1J	226/229 (99%)	157 (70%)	26 (12%)	43 (19%)	0	2
2	1N	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	1R	226/229 (99%)	155 (69%)	28 (12%)	43 (19%)	0	2
2	1V	226/229 (99%)	155 (69%)	28 (12%)	43 (19%)	0	2
2	1Z	226/229 (99%)	155 (69%)	28 (12%)	43 (19%)	0	2
2	23	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	27	226/229 (99%)	157 (70%)	26 (12%)	43 (19%)	0	2
2	2B	226/229 (99%)	157 (70%)	27 (12%)	42 (19%)	0	2
2	2F	226/229 (99%)	157 (70%)	26 (12%)	43 (19%)	0	2
2	2J	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	2N	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	2R	226/229 (99%)	155 (69%)	28 (12%)	43 (19%)	0	2
2	2V	226/229 (99%)	155 (69%)	28 (12%)	43 (19%)	0	2
2	2Z	226/229 (99%)	155 (69%)	28 (12%)	43 (19%)	0	2
2	33	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	37	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	3B	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	3F	226/229 (99%)	157 (70%)	26 (12%)	43 (19%)	0	2
2	3J	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	3N	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	3R	226/229 (99%)	157 (70%)	27 (12%)	42 (19%)	0	2
2	3V	226/229 (99%)	157 (70%)	27 (12%)	42 (19%)	0	2
2	3Z	226/229 (99%)	157 (70%)	27 (12%)	42 (19%)	0	2

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	43	226/229 (99%)	155 (69%)	28 (12%)	43 (19%)	0	2
2	47	226/229 (99%)	155 (69%)	28 (12%)	43 (19%)	0	2
2	4B	226/229 (99%)	157 (70%)	26 (12%)	43 (19%)	0	2
2	4F	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	4J	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	4N	226/229 (99%)	157 (70%)	26 (12%)	43 (19%)	0	2
2	4R	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	4V	226/229 (99%)	157 (70%)	26 (12%)	43 (19%)	0	2
2	4Z	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	53	226/229 (99%)	155 (69%)	28 (12%)	43 (19%)	0	2
2	57	226/229 (99%)	155 (69%)	28 (12%)	43 (19%)	0	2
2	5B	226/229 (99%)	155 (69%)	28 (12%)	43 (19%)	0	2
2	5F	226/229 (99%)	157 (70%)	27 (12%)	42 (19%)	0	2
2	5J	226/229 (99%)	157 (70%)	27 (12%)	42 (19%)	0	2
2	5N	226/229 (99%)	157 (70%)	27 (12%)	42 (19%)	0	2
2	5R	226/229 (99%)	157 (70%)	26 (12%)	43 (19%)	0	2
2	5V	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	5Z	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	63	226/229 (99%)	157 (70%)	27 (12%)	42 (19%)	0	2
2	67	226/229 (99%)	157 (70%)	27 (12%)	42 (19%)	0	2
2	6B	226/229 (99%)	155 (69%)	28 (12%)	43 (19%)	0	2
2	6F	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	6J	226/229 (99%)	157 (70%)	26 (12%)	43 (19%)	0	2
2	6N	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	6R	226/229 (99%)	157 (70%)	26 (12%)	43 (19%)	0	2
2	6V	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	6Z	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	7B	226/229 (99%)	157 (70%)	27 (12%)	42 (19%)	0	2
2	7F	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	7J	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	7N	226/229 (99%)	157 (70%)	26 (12%)	43 (19%)	0	2

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	7R	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
2	7V	226/229 (99%)	156 (69%)	27 (12%)	43 (19%)	0	2
3	10	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	14	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	18	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	1C	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	1G	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	1K	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	1O	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	1S	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	1W	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	20	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	24	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	28	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	2C	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	2G	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	2K	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	2O	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	2S	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	2W	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	30	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	34	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	38	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	3C	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	3G	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	3K	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	3O	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	3S	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	3W	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	40	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	44	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	48	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	4C	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	4G	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	4K	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	4O	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	4S	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	4W	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	50	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	54	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	58	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	5C	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	5G	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	5K	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	5O	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	5S	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	5W	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	60	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	64	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	68	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	6C	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	6G	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	6K	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	6O	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	6S	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	6W	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	7C	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	7G	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	7K	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	7O	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	7S	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54
3	7W	124/109 (114%)	116 (94%)	7 (6%)	1 (1%)	16	54

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
4	11	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	15	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	19	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	1D	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	1H	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	1L	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	1P	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	1T	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	1X	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	21	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	25	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	29	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	2D	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	2H	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	2L	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	2P	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	2T	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	2X	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	31	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	35	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	39	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	3D	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	3H	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	3L	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	3P	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	3T	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	3X	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	41	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	45	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	49	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	4D	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
4	4H	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	4L	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	4P	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	4T	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	4X	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	51	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	55	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	59	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	5D	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	5H	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	5L	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	5P	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	5T	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	5X	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	61	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	65	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	69	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	6D	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	6H	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	6L	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	6P	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	6T	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	6X	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	7D	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	7H	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	7L	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	7P	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	7T	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
4	7X	135/122 (111%)	124 (92%)	8 (6%)	3 (2%)	5 29
All	All	39960/38580 (104%)	32292 (81%)	3540 (9%)	4128 (10%)	1 6

All (4128) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	1A	25	ASP
1	1A	50	ARG
1	1A	52	PHE
1	1A	98	THR
1	1A	104	ALA
1	1A	111	ILE
1	1A	136	PRO
2	1B	4	GLU
2	1B	6	LYS
2	1B	7	ASN
2	1B	23	HIS
2	1B	25	SER
2	1B	27	PRO
2	1B	29	MET
2	1B	45	ALA
2	1B	58	LEU
2	1B	81	LEU
2	1B	91[A]	LYS
2	1B	91[B]	LYS
2	1B	116	ASN
2	1B	133	VAL
2	1B	148	PRO
2	1B	151	LEU
2	1B	157	THR
2	1B	159	GLN
2	1B	169	ASP
2	1B	218	ARG
2	1B	226	ILE
3	1C	76	SER
4	1D	50	PRO
4	1D	65	LYS
1	1E	25	ASP
1	1E	50	ARG
1	1E	52	PHE
1	1E	98	THR
1	1E	104	ALA
1	1E	111	ILE
1	1E	136	PRO
2	1F	4	GLU
2	1F	6	LYS
2	1F	7	ASN
2	1F	23	HIS
2	1F	25	SER

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Mol	Chain	Res	Type
2	1F	27	PRO
2	1F	29	MET
2	1F	45	ALA
2	1F	58	LEU
2	1F	81	LEU
2	1F	91[A]	LYS
2	1F	91[B]	LYS
2	1F	116	ASN
2	1F	133	VAL
2	1F	148	PRO
2	1F	151	LEU
2	1F	157	THR
2	1F	159	GLN
2	1F	169	ASP
2	1F	218	ARG
2	1F	226	ILE
3	1G	76	SER
4	1H	50	PRO
4	1H	65	LYS
1	1I	25	ASP
1	1I	50	ARG
1	1I	52	PHE
1	1I	98	THR
1	1I	104	ALA
1	1I	111	ILE
1	1I	136	PRO
2	1J	4	GLU
2	1J	6	LYS
2	1J	7	ASN
2	1J	23	HIS
2	1J	25	SER
2	1J	27	PRO
2	1J	29	MET
2	1J	45	ALA
2	1J	58	LEU
2	1J	81	LEU
2	1J	91[A]	LYS
2	1J	91[B]	LYS
2	1J	116	ASN
2	1J	133	VAL
2	1J	148	PRO
2	1J	151	LEU

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Mol	Chain	Res	Type
2	1J	157	THR
2	1J	159	GLN
2	1J	169	ASP
2	1J	218	ARG
2	1J	226	ILE
3	1K	76	SER
4	1L	50	PRO
4	1L	65	LYS
1	1M	25	ASP
1	1M	50	ARG
1	1M	52	PHE
1	1M	98	THR
1	1M	104	ALA
1	1M	111	ILE
1	1M	136	PRO
2	1N	4	GLU
2	1N	6	LYS
2	1N	7	ASN
2	1N	23	HIS
2	1N	25	SER
2	1N	27	PRO
2	1N	29	MET
2	1N	45	ALA
2	1N	58	LEU
2	1N	81	LEU
2	1N	91[A]	LYS
2	1N	91[B]	LYS
2	1N	116	ASN
2	1N	133	VAL
2	1N	148	PRO
2	1N	151	LEU
2	1N	157	THR
2	1N	159	GLN
2	1N	169	ASP
2	1N	218	ARG
2	1N	226	ILE
3	1O	76	SER
4	1P	50	PRO
4	1P	65	LYS
1	1Q	25	ASP
1	1Q	50	ARG
1	1Q	52	PHE

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Mol	Chain	Res	Type
1	1Q	98	THR
1	1Q	104	ALA
1	1Q	111	ILE
1	1Q	136	PRO
2	1R	4	GLU
2	1R	6	LYS
2	1R	7	ASN
2	1R	23	HIS
2	1R	25	SER
2	1R	27	PRO
2	1R	29	MET
2	1R	45	ALA
2	1R	58	LEU
2	1R	81	LEU
2	1R	91[A]	LYS
2	1R	91[B]	LYS
2	1R	116	ASN
2	1R	133	VAL
2	1R	148	PRO
2	1R	151	LEU
2	1R	157	THR
2	1R	159	GLN
2	1R	169	ASP
2	1R	218	ARG
2	1R	226	ILE
3	1S	76	SER
4	1T	50	PRO
4	1T	65	LYS
1	1U	25	ASP
1	1U	50	ARG
1	1U	52	PHE
1	1U	98	THR
1	1U	104	ALA
1	1U	111	ILE
1	1U	136	PRO
2	1V	4	GLU
2	1V	6	LYS
2	1V	7	ASN
2	1V	23	HIS
2	1V	25	SER
2	1V	27	PRO
2	1V	29	MET

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Mol	Chain	Res	Type
2	1V	45	ALA
2	1V	58	LEU
2	1V	81	LEU
2	1V	91[A]	LYS
2	1V	91[B]	LYS
2	1V	116	ASN
2	1V	133	VAL
2	1V	148	PRO
2	1V	151	LEU
2	1V	157	THR
2	1V	159	GLN
2	1V	169	ASP
2	1V	218	ARG
2	1V	226	ILE
3	1W	76	SER
4	1X	50	PRO
4	1X	65	LYS
1	1Y	25	ASP
1	1Y	50	ARG
1	1Y	52	PHE
1	1Y	98	THR
1	1Y	104	ALA
1	1Y	111	ILE
1	1Y	136	PRO
2	1Z	4	GLU
2	1Z	6	LYS
2	1Z	7	ASN
2	1Z	23	HIS
2	1Z	25	SER
2	1Z	27	PRO
2	1Z	29	MET
2	1Z	45	ALA
2	1Z	58	LEU
2	1Z	81	LEU
2	1Z	91[A]	LYS
2	1Z	91[B]	LYS
2	1Z	116	ASN
2	1Z	133	VAL
2	1Z	148	PRO
2	1Z	151	LEU
2	1Z	157	THR
2	1Z	159	GLN

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Mol	Chain	Res	Type
2	1Z	169	ASP
2	1Z	218	ARG
2	1Z	226	ILE
3	10	76	SER
4	11	50	PRO
4	11	65	LYS
1	12	25	ASP
1	12	50	ARG
1	12	52	PHE
1	12	98	THR
1	12	104	ALA
1	12	111	ILE
1	12	136	PRO
2	13	4	GLU
2	13	6	LYS
2	13	7	ASN
2	13	23	HIS
2	13	25	SER
2	13	27	PRO
2	13	29	MET
2	13	45	ALA
2	13	58	LEU
2	13	81	LEU
2	13	91[A]	LYS
2	13	91[B]	LYS
2	13	116	ASN
2	13	133	VAL
2	13	148	PRO
2	13	151	LEU
2	13	157	THR
2	13	159	GLN
2	13	169	ASP
2	13	218	ARG
2	13	226	ILE
3	14	76	SER
4	15	50	PRO
4	15	65	LYS
1	16	25	ASP
1	16	50	ARG
1	16	52	PHE
1	16	98	THR
1	16	104	ALA

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Mol	Chain	Res	Type
1	16	111	ILE
1	16	136	PRO
2	17	4	GLU
2	17	6	LYS
2	17	7	ASN
2	17	23	HIS
2	17	25	SER
2	17	27	PRO
2	17	29	MET
2	17	45	ALA
2	17	58	LEU
2	17	81	LEU
2	17	91[A]	LYS
2	17	91[B]	LYS
2	17	116	ASN
2	17	133	VAL
2	17	148	PRO
2	17	151	LEU
2	17	157	THR
2	17	159	GLN
2	17	169	ASP
2	17	218	ARG
2	17	226	ILE
3	18	76	SER
4	19	50	PRO
4	19	65	LYS
1	2A	25	ASP
1	2A	50	ARG
1	2A	52	PHE
1	2A	98	THR
1	2A	104	ALA
1	2A	111	ILE
1	2A	136	PRO
2	2B	4	GLU
2	2B	6	LYS
2	2B	7	ASN
2	2B	23	HIS
2	2B	25	SER
2	2B	27	PRO
2	2B	29	MET
2	2B	45	ALA
2	2B	58	LEU

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Mol	Chain	Res	Type
2	2B	81	LEU
2	2B	91[A]	LYS
2	2B	91[B]	LYS
2	2B	116	ASN
2	2B	133	VAL
2	2B	148	PRO
2	2B	151	LEU
2	2B	157	THR
2	2B	159	GLN
2	2B	169	ASP
2	2B	218	ARG
2	2B	226	ILE
3	2C	76	SER
4	2D	50	PRO
4	2D	65	LYS
1	2E	25	ASP
1	2E	50	ARG
1	2E	52	PHE
1	2E	98	THR
1	2E	104	ALA
1	2E	111	ILE
1	2E	136	PRO
2	2F	4	GLU
2	2F	6	LYS
2	2F	7	ASN
2	2F	23	HIS
2	2F	25	SER
2	2F	27	PRO
2	2F	29	MET
2	2F	45	ALA
2	2F	58	LEU
2	2F	81	LEU
2	2F	91[A]	LYS
2	2F	91[B]	LYS
2	2F	116	ASN
2	2F	133	VAL
2	2F	148	PRO
2	2F	151	LEU
2	2F	157	THR
2	2F	159	GLN
2	2F	169	ASP
2	2F	218	ARG

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Mol	Chain	Res	Type
2	2F	226	ILE
3	2G	76	SER
4	2H	50	PRO
4	2H	65	LYS
1	2I	25	ASP
1	2I	50	ARG
1	2I	52	PHE
1	2I	98	THR
1	2I	104	ALA
1	2I	111	ILE
1	2I	136	PRO
2	2J	4	GLU
2	2J	6	LYS
2	2J	7	ASN
2	2J	23	HIS
2	2J	25	SER
2	2J	27	PRO
2	2J	29	MET
2	2J	45	ALA
2	2J	58	LEU
2	2J	81	LEU
2	2J	91[A]	LYS
2	2J	91[B]	LYS
2	2J	116	ASN
2	2J	133	VAL
2	2J	148	PRO
2	2J	151	LEU
2	2J	157	THR
2	2J	159	GLN
2	2J	169	ASP
2	2J	218	ARG
2	2J	226	ILE
3	2K	76	SER
4	2L	50	PRO
4	2L	65	LYS
1	2M	25	ASP
1	2M	50	ARG
1	2M	52	PHE
1	2M	98	THR
1	2M	104	ALA
1	2M	111	ILE
1	2M	136	PRO

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Mol	Chain	Res	Type
2	2N	4	GLU
2	2N	6	LYS
2	2N	7	ASN
2	2N	23	HIS
2	2N	25	SER
2	2N	27	PRO
2	2N	29	MET
2	2N	45	ALA
2	2N	58	LEU
2	2N	81	LEU
2	2N	91[A]	LYS
2	2N	91[B]	LYS
2	2N	116	ASN
2	2N	133	VAL
2	2N	148	PRO
2	2N	151	LEU
2	2N	157	THR
2	2N	159	GLN
2	2N	169	ASP
2	2N	218	ARG
2	2N	226	ILE
3	2O	76	SER
4	2P	50	PRO
4	2P	65	LYS
1	2Q	25	ASP
1	2Q	50	ARG
1	2Q	52	PHE
1	2Q	98	THR
1	2Q	104	ALA
1	2Q	111	ILE
1	2Q	136	PRO
2	2R	4	GLU
2	2R	6	LYS
2	2R	7	ASN
2	2R	23	HIS
2	2R	25	SER
2	2R	27	PRO
2	2R	29	MET
2	2R	45	ALA
2	2R	58	LEU
2	2R	81	LEU
2	2R	91[A]	LYS

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Mol	Chain	Res	Type
2	2R	91[B]	LYS
2	2R	116	ASN
2	2R	133	VAL
2	2R	148	PRO
2	2R	151	LEU
2	2R	157	THR
2	2R	159	GLN
2	2R	169	ASP
2	2R	218	ARG
2	2R	226	ILE
3	2S	76	SER
4	2T	50	PRO
4	2T	65	LYS
1	2U	25	ASP
1	2U	50	ARG
1	2U	52	PHE
1	2U	98	THR
1	2U	104	ALA
1	2U	111	ILE
1	2U	136	PRO
2	2V	4	GLU
2	2V	6	LYS
2	2V	7	ASN
2	2V	23	HIS
2	2V	25	SER
2	2V	27	PRO
2	2V	29	MET
2	2V	45	ALA
2	2V	58	LEU
2	2V	81	LEU
2	2V	91[A]	LYS
2	2V	91[B]	LYS
2	2V	116	ASN
2	2V	133	VAL
2	2V	148	PRO
2	2V	151	LEU
2	2V	157	THR
2	2V	159	GLN
2	2V	169	ASP
2	2V	218	ARG
2	2V	226	ILE
3	2W	76	SER

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Mol	Chain	Res	Type
4	2X	50	PRO
4	2X	65	LYS
1	2Y	25	ASP
1	2Y	50	ARG
1	2Y	52	PHE
1	2Y	98	THR
1	2Y	104	ALA
1	2Y	111	ILE
1	2Y	136	PRO
2	2Z	4	GLU
2	2Z	6	LYS
2	2Z	7	ASN
2	2Z	23	HIS
2	2Z	25	SER
2	2Z	27	PRO
2	2Z	29	MET
2	2Z	45	ALA
2	2Z	58	LEU
2	2Z	81	LEU
2	2Z	91[A]	LYS
2	2Z	91[B]	LYS
2	2Z	116	ASN
2	2Z	133	VAL
2	2Z	148	PRO
2	2Z	151	LEU
2	2Z	157	THR
2	2Z	159	GLN
2	2Z	169	ASP
2	2Z	218	ARG
2	2Z	226	ILE
3	20	76	SER
4	21	50	PRO
4	21	65	LYS
1	22	25	ASP
1	22	50	ARG
1	22	52	PHE
1	22	98	THR
1	22	104	ALA
1	22	111	ILE
1	22	136	PRO
2	23	4	GLU
2	23	6	LYS

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Mol	Chain	Res	Type
2	23	7	ASN
2	23	23	HIS
2	23	25	SER
2	23	27	PRO
2	23	29	MET
2	23	45	ALA
2	23	58	LEU
2	23	81	LEU
2	23	91[A]	LYS
2	23	91[B]	LYS
2	23	116	ASN
2	23	133	VAL
2	23	148	PRO
2	23	151	LEU
2	23	157	THR
2	23	159	GLN
2	23	169	ASP
2	23	218	ARG
2	23	226	ILE
3	24	76	SER
4	25	50	PRO
4	25	65	LYS
1	26	25	ASP
1	26	50	ARG
1	26	52	PHE
1	26	98	THR
1	26	104	ALA
1	26	111	ILE
1	26	136	PRO
2	27	4	GLU
2	27	6	LYS
2	27	7	ASN
2	27	23	HIS
2	27	25	SER
2	27	27	PRO
2	27	29	MET
2	27	45	ALA
2	27	58	LEU
2	27	81	LEU
2	27	91[A]	LYS
2	27	91[B]	LYS
2	27	116	ASN

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Mol	Chain	Res	Type
2	27	133	VAL
2	27	148	PRO
2	27	151	LEU
2	27	157	THR
2	27	159	GLN
2	27	169	ASP
2	27	218	ARG
2	27	226	ILE
3	28	76	SER
4	29	50	PRO
4	29	65	LYS
1	3A	25	ASP
1	3A	50	ARG
1	3A	52	PHE
1	3A	98	THR
1	3A	104	ALA
1	3A	111	ILE
1	3A	136	PRO
2	3B	4	GLU
2	3B	6	LYS
2	3B	7	ASN
2	3B	23	HIS
2	3B	25	SER
2	3B	27	PRO
2	3B	29	MET
2	3B	45	ALA
2	3B	58	LEU
2	3B	81	LEU
2	3B	91[A]	LYS
2	3B	91[B]	LYS
2	3B	116	ASN
2	3B	133	VAL
2	3B	148	PRO
2	3B	151	LEU
2	3B	157	THR
2	3B	159	GLN
2	3B	169	ASP
2	3B	218	ARG
2	3B	226	ILE
3	3C	76	SER
4	3D	50	PRO
4	3D	65	LYS

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Mol	Chain	Res	Type
1	3E	25	ASP
1	3E	50	ARG
1	3E	52	PHE
1	3E	98	THR
1	3E	104	ALA
1	3E	111	ILE
1	3E	136	PRO
2	3F	4	GLU
2	3F	6	LYS
2	3F	7	ASN
2	3F	23	HIS
2	3F	25	SER
2	3F	27	PRO
2	3F	29	MET
2	3F	45	ALA
2	3F	58	LEU
2	3F	81	LEU
2	3F	91[A]	LYS
2	3F	91[B]	LYS
2	3F	116	ASN
2	3F	133	VAL
2	3F	148	PRO
2	3F	151	LEU
2	3F	157	THR
2	3F	159	GLN
2	3F	169	ASP
2	3F	218	ARG
2	3F	226	ILE
3	3G	76	SER
4	3H	50	PRO
4	3H	65	LYS
1	3I	25	ASP
1	3I	50	ARG
1	3I	52	PHE
1	3I	98	THR
1	3I	104	ALA
1	3I	111	ILE
1	3I	136	PRO
2	3J	4	GLU
2	3J	6	LYS
2	3J	7	ASN
2	3J	23	HIS

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Mol	Chain	Res	Type
2	3J	25	SER
2	3J	27	PRO
2	3J	29	MET
2	3J	45	ALA
2	3J	58	LEU
2	3J	81	LEU
2	3J	91[A]	LYS
2	3J	91[B]	LYS
2	3J	116	ASN
2	3J	133	VAL
2	3J	148	PRO
2	3J	151	LEU
2	3J	157	THR
2	3J	159	GLN
2	3J	169	ASP
2	3J	218	ARG
2	3J	226	ILE
3	3K	76	SER
4	3L	50	PRO
4	3L	65	LYS
1	3M	25	ASP
1	3M	50	ARG
1	3M	52	PHE
1	3M	98	THR
1	3M	104	ALA
1	3M	111	ILE
1	3M	136	PRO
2	3N	4	GLU
2	3N	6	LYS
2	3N	7	ASN
2	3N	23	HIS
2	3N	25	SER
2	3N	27	PRO
2	3N	29	MET
2	3N	45	ALA
2	3N	58	LEU
2	3N	81	LEU
2	3N	91[A]	LYS
2	3N	91[B]	LYS
2	3N	116	ASN
2	3N	133	VAL
2	3N	148	PRO

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Mol	Chain	Res	Type
2	3N	151	LEU
2	3N	157	THR
2	3N	159	GLN
2	3N	169	ASP
2	3N	218	ARG
2	3N	226	ILE
3	3O	76	SER
4	3P	50	PRO
4	3P	65	LYS
1	3Q	25	ASP
1	3Q	50	ARG
1	3Q	52	PHE
1	3Q	98	THR
1	3Q	104	ALA
1	3Q	111	ILE
1	3Q	136	PRO
2	3R	4	GLU
2	3R	6	LYS
2	3R	7	ASN
2	3R	23	HIS
2	3R	25	SER
2	3R	27	PRO
2	3R	29	MET
2	3R	45	ALA
2	3R	58	LEU
2	3R	81	LEU
2	3R	91[A]	LYS
2	3R	91[B]	LYS
2	3R	116	ASN
2	3R	133	VAL
2	3R	148	PRO
2	3R	151	LEU
2	3R	157	THR
2	3R	159	GLN
2	3R	169	ASP
2	3R	218	ARG
2	3R	226	ILE
3	3S	76	SER
4	3T	50	PRO
4	3T	65	LYS
1	3U	25	ASP
1	3U	50	ARG

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Mol	Chain	Res	Type
1	3U	52	PHE
1	3U	98	THR
1	3U	104	ALA
1	3U	111	ILE
1	3U	136	PRO
2	3V	4	GLU
2	3V	6	LYS
2	3V	7	ASN
2	3V	23	HIS
2	3V	25	SER
2	3V	27	PRO
2	3V	29	MET
2	3V	45	ALA
2	3V	58	LEU
2	3V	81	LEU
2	3V	91[A]	LYS
2	3V	91[B]	LYS
2	3V	116	ASN
2	3V	133	VAL
2	3V	148	PRO
2	3V	151	LEU
2	3V	157	THR
2	3V	159	GLN
2	3V	169	ASP
2	3V	218	ARG
2	3V	226	ILE
3	3W	76	SER
4	3X	50	PRO
4	3X	65	LYS
1	3Y	25	ASP
1	3Y	50	ARG
1	3Y	52	PHE
1	3Y	98	THR
1	3Y	104	ALA
1	3Y	111	ILE
1	3Y	136	PRO
2	3Z	4	GLU
2	3Z	6	LYS
2	3Z	7	ASN
2	3Z	23	HIS
2	3Z	25	SER
2	3Z	27	PRO

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Mol	Chain	Res	Type
2	3Z	29	MET
2	3Z	45	ALA
2	3Z	58	LEU
2	3Z	81	LEU
2	3Z	91[A]	LYS
2	3Z	91[B]	LYS
2	3Z	116	ASN
2	3Z	133	VAL
2	3Z	148	PRO
2	3Z	151	LEU
2	3Z	157	THR
2	3Z	159	GLN
2	3Z	169	ASP
2	3Z	218	ARG
2	3Z	226	ILE
3	30	76	SER
4	31	50	PRO
4	31	65	LYS
1	32	25	ASP
1	32	50	ARG
1	32	52	PHE
1	32	98	THR
1	32	104	ALA
1	32	111	ILE
1	32	136	PRO
2	33	4	GLU
2	33	6	LYS
2	33	7	ASN
2	33	23	HIS
2	33	25	SER
2	33	27	PRO
2	33	29	MET
2	33	45	ALA
2	33	58	LEU
2	33	81	LEU
2	33	91[A]	LYS
2	33	91[B]	LYS
2	33	116	ASN
2	33	133	VAL
2	33	148	PRO
2	33	151	LEU
2	33	157	THR

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Mol	Chain	Res	Type
2	33	159	GLN
2	33	169	ASP
2	33	218	ARG
2	33	226	ILE
3	34	76	SER
4	35	50	PRO
4	35	65	LYS
1	36	25	ASP
1	36	50	ARG
1	36	52	PHE
1	36	98	THR
1	36	104	ALA
1	36	111	ILE
1	36	136	PRO
2	37	4	GLU
2	37	6	LYS
2	37	7	ASN
2	37	23	HIS
2	37	25	SER
2	37	27	PRO
2	37	29	MET
2	37	45	ALA
2	37	58	LEU
2	37	81	LEU
2	37	91[A]	LYS
2	37	91[B]	LYS
2	37	116	ASN
2	37	133	VAL
2	37	148	PRO
2	37	151	LEU
2	37	157	THR
2	37	159	GLN
2	37	169	ASP
2	37	218	ARG
2	37	226	ILE
3	38	76	SER
4	39	50	PRO
4	39	65	LYS
1	4A	25	ASP
1	4A	50	ARG
1	4A	52	PHE
1	4A	98	THR

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Mol	Chain	Res	Type
1	4A	104	ALA
1	4A	111	ILE
1	4A	136	PRO
2	4B	4	GLU
2	4B	6	LYS
2	4B	7	ASN
2	4B	23	HIS
2	4B	25	SER
2	4B	27	PRO
2	4B	29	MET
2	4B	45	ALA
2	4B	58	LEU
2	4B	81	LEU
2	4B	91[A]	LYS
2	4B	91[B]	LYS
2	4B	116	ASN
2	4B	133	VAL
2	4B	148	PRO
2	4B	151	LEU
2	4B	157	THR
2	4B	159	GLN
2	4B	169	ASP
2	4B	218	ARG
2	4B	226	ILE
3	4C	76	SER
4	4D	50	PRO
4	4D	65	LYS
1	4E	25	ASP
1	4E	50	ARG
1	4E	52	PHE
1	4E	98	THR
1	4E	104	ALA
1	4E	111	ILE
1	4E	136	PRO
2	4F	4	GLU
2	4F	6	LYS
2	4F	7	ASN
2	4F	23	HIS
2	4F	25	SER
2	4F	27	PRO
2	4F	29	MET
2	4F	45	ALA

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Mol	Chain	Res	Type
2	4F	58	LEU
2	4F	81	LEU
2	4F	91[A]	LYS
2	4F	91[B]	LYS
2	4F	116	ASN
2	4F	133	VAL
2	4F	148	PRO
2	4F	151	LEU
2	4F	157	THR
2	4F	159	GLN
2	4F	169	ASP
2	4F	218	ARG
2	4F	226	ILE
3	4G	76	SER
4	4H	50	PRO
4	4H	65	LYS
1	4I	25	ASP
1	4I	50	ARG
1	4I	52	PHE
1	4I	98	THR
1	4I	104	ALA
1	4I	111	ILE
1	4I	136	PRO
2	4J	4	GLU
2	4J	6	LYS
2	4J	7	ASN
2	4J	23	HIS
2	4J	25	SER
2	4J	27	PRO
2	4J	29	MET
2	4J	45	ALA
2	4J	58	LEU
2	4J	81	LEU
2	4J	91[A]	LYS
2	4J	91[B]	LYS
2	4J	116	ASN
2	4J	133	VAL
2	4J	148	PRO
2	4J	151	LEU
2	4J	157	THR
2	4J	159	GLN
2	4J	169	ASP

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Mol	Chain	Res	Type
2	4J	218	ARG
2	4J	226	ILE
3	4K	76	SER
4	4L	50	PRO
4	4L	65	LYS
1	4M	25	ASP
1	4M	50	ARG
1	4M	52	PHE
1	4M	98	THR
1	4M	104	ALA
1	4M	111	ILE
1	4M	136	PRO
2	4N	4	GLU
2	4N	6	LYS
2	4N	7	ASN
2	4N	23	HIS
2	4N	25	SER
2	4N	27	PRO
2	4N	29	MET
2	4N	45	ALA
2	4N	58	LEU
2	4N	81	LEU
2	4N	91[A]	LYS
2	4N	91[B]	LYS
2	4N	116	ASN
2	4N	133	VAL
2	4N	148	PRO
2	4N	151	LEU
2	4N	157	THR
2	4N	159	GLN
2	4N	169	ASP
2	4N	218	ARG
2	4N	226	ILE
3	4O	76	SER
4	4P	50	PRO
4	4P	65	LYS
1	4Q	25	ASP
1	4Q	50	ARG
1	4Q	52	PHE
1	4Q	98	THR
1	4Q	104	ALA
1	4Q	111	ILE

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Mol	Chain	Res	Type
1	4Q	136	PRO
2	4R	4	GLU
2	4R	6	LYS
2	4R	7	ASN
2	4R	23	HIS
2	4R	25	SER
2	4R	27	PRO
2	4R	29	MET
2	4R	45	ALA
2	4R	58	LEU
2	4R	81	LEU
2	4R	91[A]	LYS
2	4R	91[B]	LYS
2	4R	116	ASN
2	4R	133	VAL
2	4R	148	PRO
2	4R	151	LEU
2	4R	157	THR
2	4R	159	GLN
2	4R	169	ASP
2	4R	218	ARG
2	4R	226	ILE
3	4S	76	SER
4	4T	50	PRO
4	4T	65	LYS
1	4U	25	ASP
1	4U	50	ARG
1	4U	52	PHE
1	4U	98	THR
1	4U	104	ALA
1	4U	111	ILE
1	4U	136	PRO
2	4V	4	GLU
2	4V	6	LYS
2	4V	7	ASN
2	4V	23	HIS
2	4V	25	SER
2	4V	27	PRO
2	4V	29	MET
2	4V	45	ALA
2	4V	58	LEU
2	4V	81	LEU

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Mol	Chain	Res	Type
2	4V	91[A]	LYS
2	4V	91[B]	LYS
2	4V	116	ASN
2	4V	133	VAL
2	4V	148	PRO
2	4V	151	LEU
2	4V	157	THR
2	4V	159	GLN
2	4V	169	ASP
2	4V	218	ARG
2	4V	226	ILE
3	4W	76	SER
4	4X	50	PRO
4	4X	65	LYS
1	4Y	25	ASP
1	4Y	50	ARG
1	4Y	52	PHE
1	4Y	98	THR
1	4Y	104	ALA
1	4Y	111	ILE
1	4Y	136	PRO
2	4Z	4	GLU
2	4Z	6	LYS
2	4Z	7	ASN
2	4Z	23	HIS
2	4Z	25	SER
2	4Z	27	PRO
2	4Z	29	MET
2	4Z	45	ALA
2	4Z	58	LEU
2	4Z	81	LEU
2	4Z	91[A]	LYS
2	4Z	91[B]	LYS
2	4Z	116	ASN
2	4Z	133	VAL
2	4Z	148	PRO
2	4Z	151	LEU
2	4Z	157	THR
2	4Z	159	GLN
2	4Z	169	ASP
2	4Z	218	ARG
2	4Z	226	ILE

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Mol	Chain	Res	Type
3	40	76	SER
4	41	50	PRO
4	41	65	LYS
1	42	25	ASP
1	42	50	ARG
1	42	52	PHE
1	42	98	THR
1	42	104	ALA
1	42	111	ILE
1	42	136	PRO
2	43	4	GLU
2	43	6	LYS
2	43	7	ASN
2	43	23	HIS
2	43	25	SER
2	43	27	PRO
2	43	29	MET
2	43	45	ALA
2	43	58	LEU
2	43	81	LEU
2	43	91[A]	LYS
2	43	91[B]	LYS
2	43	116	ASN
2	43	133	VAL
2	43	148	PRO
2	43	151	LEU
2	43	157	THR
2	43	159	GLN
2	43	169	ASP
2	43	218	ARG
2	43	226	ILE
3	44	76	SER
4	45	50	PRO
4	45	65	LYS
1	46	25	ASP
1	46	50	ARG
1	46	52	PHE
1	46	98	THR
1	46	104	ALA
1	46	111	ILE
1	46	136	PRO
2	47	4	GLU

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Mol	Chain	Res	Type
2	47	6	LYS
2	47	7	ASN
2	47	23	HIS
2	47	25	SER
2	47	27	PRO
2	47	29	MET
2	47	45	ALA
2	47	58	LEU
2	47	81	LEU
2	47	91[A]	LYS
2	47	91[B]	LYS
2	47	116	ASN
2	47	133	VAL
2	47	148	PRO
2	47	151	LEU
2	47	157	THR
2	47	159	GLN
2	47	169	ASP
2	47	218	ARG
2	47	226	ILE
3	48	76	SER
4	49	50	PRO
4	49	65	LYS
1	5A	25	ASP
1	5A	50	ARG
1	5A	52	PHE
1	5A	98	THR
1	5A	104	ALA
1	5A	111	ILE
1	5A	136	PRO
2	5B	4	GLU
2	5B	6	LYS
2	5B	7	ASN
2	5B	23	HIS
2	5B	25	SER
2	5B	27	PRO
2	5B	29	MET
2	5B	45	ALA
2	5B	58	LEU
2	5B	81	LEU
2	5B	91[A]	LYS
2	5B	91[B]	LYS

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Mol	Chain	Res	Type
2	5B	116	ASN
2	5B	133	VAL
2	5B	148	PRO
2	5B	151	LEU
2	5B	157	THR
2	5B	159	GLN
2	5B	169	ASP
2	5B	218	ARG
2	5B	226	ILE
3	5C	76	SER
4	5D	50	PRO
4	5D	65	LYS
1	5E	25	ASP
1	5E	50	ARG
1	5E	52	PHE
1	5E	98	THR
1	5E	104	ALA
1	5E	111	ILE
1	5E	136	PRO
2	5F	4	GLU
2	5F	6	LYS
2	5F	7	ASN
2	5F	23	HIS
2	5F	25	SER
2	5F	27	PRO
2	5F	29	MET
2	5F	45	ALA
2	5F	58	LEU
2	5F	81	LEU
2	5F	91[A]	LYS
2	5F	91[B]	LYS
2	5F	116	ASN
2	5F	133	VAL
2	5F	148	PRO
2	5F	151	LEU
2	5F	157	THR
2	5F	159	GLN
2	5F	169	ASP
2	5F	218	ARG
2	5F	226	ILE
3	5G	76	SER
4	5H	50	PRO

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Mol	Chain	Res	Type
4	5H	65	LYS
1	5I	25	ASP
1	5I	50	ARG
1	5I	52	PHE
1	5I	98	THR
1	5I	104	ALA
1	5I	111	ILE
1	5I	136	PRO
2	5J	4	GLU
2	5J	6	LYS
2	5J	7	ASN
2	5J	23	HIS
2	5J	25	SER
2	5J	27	PRO
2	5J	29	MET
2	5J	45	ALA
2	5J	58	LEU
2	5J	81	LEU
2	5J	91[A]	LYS
2	5J	91[B]	LYS
2	5J	116	ASN
2	5J	133	VAL
2	5J	148	PRO
2	5J	151	LEU
2	5J	157	THR
2	5J	159	GLN
2	5J	169	ASP
2	5J	218	ARG
2	5J	226	ILE
3	5K	76	SER
4	5L	50	PRO
4	5L	65	LYS
1	5M	25	ASP
1	5M	50	ARG
1	5M	52	PHE
1	5M	98	THR
1	5M	104	ALA
1	5M	111	ILE
1	5M	136	PRO
2	5N	4	GLU
2	5N	6	LYS
2	5N	7	ASN

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Mol	Chain	Res	Type
2	5N	23	HIS
2	5N	25	SER
2	5N	27	PRO
2	5N	29	MET
2	5N	45	ALA
2	5N	58	LEU
2	5N	81	LEU
2	5N	91[A]	LYS
2	5N	91[B]	LYS
2	5N	116	ASN
2	5N	133	VAL
2	5N	148	PRO
2	5N	151	LEU
2	5N	157	THR
2	5N	159	GLN
2	5N	169	ASP
2	5N	218	ARG
2	5N	226	ILE
3	5O	76	SER
4	5P	50	PRO
4	5P	65	LYS
1	5Q	25	ASP
1	5Q	50	ARG
1	5Q	52	PHE
1	5Q	98	THR
1	5Q	104	ALA
1	5Q	111	ILE
1	5Q	136	PRO
2	5R	4	GLU
2	5R	6	LYS
2	5R	7	ASN
2	5R	23	HIS
2	5R	25	SER
2	5R	27	PRO
2	5R	29	MET
2	5R	45	ALA
2	5R	58	LEU
2	5R	81	LEU
2	5R	91[A]	LYS
2	5R	91[B]	LYS
2	5R	116	ASN
2	5R	133	VAL

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Mol	Chain	Res	Type
2	5R	148	PRO
2	5R	151	LEU
2	5R	157	THR
2	5R	159	GLN
2	5R	169	ASP
2	5R	218	ARG
2	5R	226	ILE
3	5S	76	SER
4	5T	50	PRO
4	5T	65	LYS
1	5U	25	ASP
1	5U	50	ARG
1	5U	52	PHE
1	5U	98	THR
1	5U	104	ALA
1	5U	111	ILE
1	5U	136	PRO
2	5V	4	GLU
2	5V	6	LYS
2	5V	7	ASN
2	5V	23	HIS
2	5V	25	SER
2	5V	27	PRO
2	5V	29	MET
2	5V	45	ALA
2	5V	58	LEU
2	5V	81	LEU
2	5V	91[A]	LYS
2	5V	91[B]	LYS
2	5V	116	ASN
2	5V	133	VAL
2	5V	148	PRO
2	5V	151	LEU
2	5V	157	THR
2	5V	159	GLN
2	5V	169	ASP
2	5V	218	ARG
2	5V	226	ILE
3	5W	76	SER
4	5X	50	PRO
4	5X	65	LYS
1	5Y	25	ASP

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Mol	Chain	Res	Type
1	5Y	50	ARG
1	5Y	52	PHE
1	5Y	98	THR
1	5Y	104	ALA
1	5Y	111	ILE
1	5Y	136	PRO
2	5Z	4	GLU
2	5Z	6	LYS
2	5Z	7	ASN
2	5Z	23	HIS
2	5Z	25	SER
2	5Z	27	PRO
2	5Z	29	MET
2	5Z	45	ALA
2	5Z	58	LEU
2	5Z	81	LEU
2	5Z	91[A]	LYS
2	5Z	91[B]	LYS
2	5Z	116	ASN
2	5Z	133	VAL
2	5Z	148	PRO
2	5Z	151	LEU
2	5Z	157	THR
2	5Z	159	GLN
2	5Z	169	ASP
2	5Z	218	ARG
2	5Z	226	ILE
3	50	76	SER
4	51	50	PRO
4	51	65	LYS
1	52	25	ASP
1	52	50	ARG
1	52	52	PHE
1	52	98	THR
1	52	104	ALA
1	52	111	ILE
1	52	136	PRO
2	53	4	GLU
2	53	6	LYS
2	53	7	ASN
2	53	23	HIS
2	53	25	SER

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Mol	Chain	Res	Type
2	53	27	PRO
2	53	29	MET
2	53	45	ALA
2	53	58	LEU
2	53	81	LEU
2	53	91[A]	LYS
2	53	91[B]	LYS
2	53	116	ASN
2	53	133	VAL
2	53	148	PRO
2	53	151	LEU
2	53	157	THR
2	53	159	GLN
2	53	169	ASP
2	53	218	ARG
2	53	226	ILE
3	54	76	SER
4	55	50	PRO
4	55	65	LYS
1	56	25	ASP
1	56	50	ARG
1	56	52	PHE
1	56	98	THR
1	56	104	ALA
1	56	111	ILE
1	56	136	PRO
2	57	4	GLU
2	57	6	LYS
2	57	7	ASN
2	57	23	HIS
2	57	25	SER
2	57	27	PRO
2	57	29	MET
2	57	45	ALA
2	57	58	LEU
2	57	81	LEU
2	57	91[A]	LYS
2	57	91[B]	LYS
2	57	116	ASN
2	57	133	VAL
2	57	148	PRO
2	57	151	LEU

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Mol	Chain	Res	Type
2	57	157	THR
2	57	159	GLN
2	57	169	ASP
2	57	218	ARG
2	57	226	ILE
3	58	76	SER
4	59	50	PRO
4	59	65	LYS
1	6A	25	ASP
1	6A	50	ARG
1	6A	52	PHE
1	6A	98	THR
1	6A	104	ALA
1	6A	111	ILE
1	6A	136	PRO
2	6B	4	GLU
2	6B	6	LYS
2	6B	7	ASN
2	6B	23	HIS
2	6B	25	SER
2	6B	27	PRO
2	6B	29	MET
2	6B	45	ALA
2	6B	58	LEU
2	6B	81	LEU
2	6B	91[A]	LYS
2	6B	91[B]	LYS
2	6B	116	ASN
2	6B	133	VAL
2	6B	148	PRO
2	6B	151	LEU
2	6B	157	THR
2	6B	159	GLN
2	6B	169	ASP
2	6B	218	ARG
2	6B	226	ILE
3	6C	76	SER
4	6D	50	PRO
4	6D	65	LYS
1	6E	25	ASP
1	6E	50	ARG
1	6E	52	PHE

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Mol	Chain	Res	Type
1	6E	98	THR
1	6E	104	ALA
1	6E	111	ILE
1	6E	136	PRO
2	6F	4	GLU
2	6F	6	LYS
2	6F	7	ASN
2	6F	23	HIS
2	6F	25	SER
2	6F	27	PRO
2	6F	29	MET
2	6F	45	ALA
2	6F	58	LEU
2	6F	81	LEU
2	6F	91[A]	LYS
2	6F	91[B]	LYS
2	6F	116	ASN
2	6F	133	VAL
2	6F	148	PRO
2	6F	151	LEU
2	6F	157	THR
2	6F	159	GLN
2	6F	169	ASP
2	6F	218	ARG
2	6F	226	ILE
3	6G	76	SER
4	6H	50	PRO
4	6H	65	LYS
1	6I	25	ASP
1	6I	50	ARG
1	6I	52	PHE
1	6I	98	THR
1	6I	104	ALA
1	6I	111	ILE
1	6I	136	PRO
2	6J	4	GLU
2	6J	6	LYS
2	6J	7	ASN
2	6J	23	HIS
2	6J	25	SER
2	6J	27	PRO
2	6J	29	MET

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Mol	Chain	Res	Type
2	6J	45	ALA
2	6J	58	LEU
2	6J	81	LEU
2	6J	91[A]	LYS
2	6J	91[B]	LYS
2	6J	116	ASN
2	6J	133	VAL
2	6J	148	PRO
2	6J	151	LEU
2	6J	157	THR
2	6J	159	GLN
2	6J	169	ASP
2	6J	218	ARG
2	6J	226	ILE
3	6K	76	SER
4	6L	50	PRO
4	6L	65	LYS
1	6M	25	ASP
1	6M	50	ARG
1	6M	52	PHE
1	6M	98	THR
1	6M	104	ALA
1	6M	111	ILE
1	6M	136	PRO
2	6N	4	GLU
2	6N	6	LYS
2	6N	7	ASN
2	6N	23	HIS
2	6N	25	SER
2	6N	27	PRO
2	6N	29	MET
2	6N	45	ALA
2	6N	58	LEU
2	6N	81	LEU
2	6N	91[A]	LYS
2	6N	91[B]	LYS
2	6N	116	ASN
2	6N	133	VAL
2	6N	148	PRO
2	6N	151	LEU
2	6N	157	THR
2	6N	159	GLN

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Mol	Chain	Res	Type
2	6N	169	ASP
2	6N	218	ARG
2	6N	226	ILE
3	6O	76	SER
4	6P	50	PRO
4	6P	65	LYS
1	6Q	25	ASP
1	6Q	50	ARG
1	6Q	52	PHE
1	6Q	98	THR
1	6Q	104	ALA
1	6Q	111	ILE
1	6Q	136	PRO
2	6R	4	GLU
2	6R	6	LYS
2	6R	7	ASN
2	6R	23	HIS
2	6R	25	SER
2	6R	27	PRO
2	6R	29	MET
2	6R	45	ALA
2	6R	58	LEU
2	6R	81	LEU
2	6R	91[A]	LYS
2	6R	91[B]	LYS
2	6R	116	ASN
2	6R	133	VAL
2	6R	148	PRO
2	6R	151	LEU
2	6R	157	THR
2	6R	159	GLN
2	6R	169	ASP
2	6R	218	ARG
2	6R	226	ILE
3	6S	76	SER
4	6T	50	PRO
4	6T	65	LYS
1	6U	25	ASP
1	6U	50	ARG
1	6U	52	PHE
1	6U	98	THR
1	6U	104	ALA

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Mol	Chain	Res	Type
1	6U	111	ILE
1	6U	136	PRO
2	6V	4	GLU
2	6V	6	LYS
2	6V	7	ASN
2	6V	23	HIS
2	6V	25	SER
2	6V	27	PRO
2	6V	29	MET
2	6V	45	ALA
2	6V	58	LEU
2	6V	81	LEU
2	6V	91[A]	LYS
2	6V	91[B]	LYS
2	6V	116	ASN
2	6V	133	VAL
2	6V	148	PRO
2	6V	151	LEU
2	6V	157	THR
2	6V	159	GLN
2	6V	169	ASP
2	6V	218	ARG
2	6V	226	ILE
3	6W	76	SER
4	6X	50	PRO
4	6X	65	LYS
1	6Y	25	ASP
1	6Y	50	ARG
1	6Y	52	PHE
1	6Y	98	THR
1	6Y	104	ALA
1	6Y	111	ILE
1	6Y	136	PRO
2	6Z	4	GLU
2	6Z	6	LYS
2	6Z	7	ASN
2	6Z	23	HIS
2	6Z	25	SER
2	6Z	27	PRO
2	6Z	29	MET
2	6Z	45	ALA
2	6Z	58	LEU

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Mol	Chain	Res	Type
2	6Z	81	LEU
2	6Z	91[A]	LYS
2	6Z	91[B]	LYS
2	6Z	116	ASN
2	6Z	133	VAL
2	6Z	148	PRO
2	6Z	151	LEU
2	6Z	157	THR
2	6Z	159	GLN
2	6Z	169	ASP
2	6Z	218	ARG
2	6Z	226	ILE
3	60	76	SER
4	61	50	PRO
4	61	65	LYS
1	62	25	ASP
1	62	50	ARG
1	62	52	PHE
1	62	98	THR
1	62	104	ALA
1	62	111	ILE
1	62	136	PRO
2	63	4	GLU
2	63	6	LYS
2	63	7	ASN
2	63	23	HIS
2	63	25	SER
2	63	27	PRO
2	63	29	MET
2	63	45	ALA
2	63	58	LEU
2	63	81	LEU
2	63	91[A]	LYS
2	63	91[B]	LYS
2	63	116	ASN
2	63	133	VAL
2	63	148	PRO
2	63	151	LEU
2	63	157	THR
2	63	159	GLN
2	63	169	ASP
2	63	218	ARG

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Mol	Chain	Res	Type
2	63	226	ILE
3	64	76	SER
4	65	50	PRO
4	65	65	LYS
1	66	25	ASP
1	66	50	ARG
1	66	52	PHE
1	66	98	THR
1	66	104	ALA
1	66	111	ILE
1	66	136	PRO
2	67	4	GLU
2	67	6	LYS
2	67	7	ASN
2	67	23	HIS
2	67	25	SER
2	67	27	PRO
2	67	29	MET
2	67	45	ALA
2	67	58	LEU
2	67	81	LEU
2	67	91[A]	LYS
2	67	91[B]	LYS
2	67	116	ASN
2	67	133	VAL
2	67	148	PRO
2	67	151	LEU
2	67	157	THR
2	67	159	GLN
2	67	169	ASP
2	67	218	ARG
2	67	226	ILE
3	68	76	SER
4	69	50	PRO
4	69	65	LYS
1	7A	25	ASP
1	7A	50	ARG
1	7A	52	PHE
1	7A	98	THR
1	7A	104	ALA
1	7A	111	ILE
1	7A	136	PRO

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Mol	Chain	Res	Type
2	7B	4	GLU
2	7B	6	LYS
2	7B	7	ASN
2	7B	23	HIS
2	7B	25	SER
2	7B	27	PRO
2	7B	29	MET
2	7B	45	ALA
2	7B	58	LEU
2	7B	81	LEU
2	7B	91[A]	LYS
2	7B	91[B]	LYS
2	7B	116	ASN
2	7B	133	VAL
2	7B	148	PRO
2	7B	151	LEU
2	7B	157	THR
2	7B	159	GLN
2	7B	169	ASP
2	7B	218	ARG
2	7B	226	ILE
3	7C	76	SER
4	7D	50	PRO
4	7D	65	LYS
1	7E	25	ASP
1	7E	50	ARG
1	7E	52	PHE
1	7E	98	THR
1	7E	104	ALA
1	7E	111	ILE
1	7E	136	PRO
2	7F	4	GLU
2	7F	6	LYS
2	7F	7	ASN
2	7F	23	HIS
2	7F	25	SER
2	7F	27	PRO
2	7F	29	MET
2	7F	45	ALA
2	7F	58	LEU
2	7F	81	LEU
2	7F	91[A]	LYS

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Mol	Chain	Res	Type
2	7F	91[B]	LYS
2	7F	116	ASN
2	7F	133	VAL
2	7F	148	PRO
2	7F	151	LEU
2	7F	157	THR
2	7F	159	GLN
2	7F	169	ASP
2	7F	218	ARG
2	7F	226	ILE
3	7G	76	SER
4	7H	50	PRO
4	7H	65	LYS
1	7I	25	ASP
1	7I	50	ARG
1	7I	52	PHE
1	7I	98	THR
1	7I	104	ALA
1	7I	111	ILE
1	7I	136	PRO
2	7J	4	GLU
2	7J	6	LYS
2	7J	7	ASN
2	7J	23	HIS
2	7J	25	SER
2	7J	27	PRO
2	7J	29	MET
2	7J	45	ALA
2	7J	58	LEU
2	7J	81	LEU
2	7J	91[A]	LYS
2	7J	91[B]	LYS
2	7J	116	ASN
2	7J	133	VAL
2	7J	148	PRO
2	7J	151	LEU
2	7J	157	THR
2	7J	159	GLN
2	7J	169	ASP
2	7J	218	ARG
2	7J	226	ILE
3	7K	76	SER

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Mol	Chain	Res	Type
4	7L	50	PRO
4	7L	65	LYS
1	7M	25	ASP
1	7M	50	ARG
1	7M	52	PHE
1	7M	98	THR
1	7M	104	ALA
1	7M	111	ILE
1	7M	136	PRO
2	7N	4	GLU
2	7N	6	LYS
2	7N	7	ASN
2	7N	23	HIS
2	7N	25	SER
2	7N	27	PRO
2	7N	29	MET
2	7N	45	ALA
2	7N	58	LEU
2	7N	81	LEU
2	7N	91[A]	LYS
2	7N	91[B]	LYS
2	7N	116	ASN
2	7N	133	VAL
2	7N	148	PRO
2	7N	151	LEU
2	7N	157	THR
2	7N	159	GLN
2	7N	169	ASP
2	7N	218	ARG
2	7N	226	ILE
3	7O	76	SER
4	7P	50	PRO
4	7P	65	LYS
1	7Q	25	ASP
1	7Q	50	ARG
1	7Q	52	PHE
1	7Q	98	THR
1	7Q	104	ALA
1	7Q	111	ILE
1	7Q	136	PRO
2	7R	4	GLU
2	7R	6	LYS

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Mol	Chain	Res	Type
2	7R	7	ASN
2	7R	23	HIS
2	7R	25	SER
2	7R	27	PRO
2	7R	29	MET
2	7R	45	ALA
2	7R	58	LEU
2	7R	81	LEU
2	7R	91[A]	LYS
2	7R	91[B]	LYS
2	7R	116	ASN
2	7R	133	VAL
2	7R	148	PRO
2	7R	151	LEU
2	7R	157	THR
2	7R	159	GLN
2	7R	169	ASP
2	7R	218	ARG
2	7R	226	ILE
3	7S	76	SER
4	7T	50	PRO
4	7T	65	LYS
1	7U	25	ASP
1	7U	50	ARG
1	7U	52	PHE
1	7U	98	THR
1	7U	104	ALA
1	7U	111	ILE
1	7U	136	PRO
2	7V	4	GLU
2	7V	6	LYS
2	7V	7	ASN
2	7V	23	HIS
2	7V	25	SER
2	7V	27	PRO
2	7V	29	MET
2	7V	45	ALA
2	7V	58	LEU
2	7V	81	LEU
2	7V	91[A]	LYS
2	7V	91[B]	LYS
2	7V	116	ASN

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Mol	Chain	Res	Type
2	7V	133	VAL
2	7V	148	PRO
2	7V	151	LEU
2	7V	157	THR
2	7V	159	GLN
2	7V	169	ASP
2	7V	218	ARG
2	7V	226	ILE
3	7W	76	SER
4	7X	50	PRO
4	7X	65	LYS
1	1A	24	VAL
1	1A	43	HIS
1	1A	92	ASN
1	1A	168	GLN
1	1A	181	THR
2	1B	8	VAL
2	1B	37	ASN
2	1B	108	HIS
2	1B	167	VAL
2	1B	168	ALA
2	1B	180	LEU
2	1B	200	GLN
2	1B	225	ASN
1	1E	24	VAL
1	1E	43	HIS
1	1E	92	ASN
1	1E	168	GLN
1	1E	181	THR
2	1F	8	VAL
2	1F	37	ASN
2	1F	108	HIS
2	1F	167	VAL
2	1F	168	ALA
2	1F	180	LEU
2	1F	200	GLN
2	1F	225	ASN
1	1I	24	VAL
1	1I	43	HIS
1	1I	92	ASN
1	1I	168	GLN
1	1I	181	THR

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Mol	Chain	Res	Type
2	1J	8	VAL
2	1J	37	ASN
2	1J	108	HIS
2	1J	167	VAL
2	1J	168	ALA
2	1J	180	LEU
2	1J	200	GLN
2	1J	225	ASN
1	1M	24	VAL
1	1M	43	HIS
1	1M	92	ASN
1	1M	168	GLN
1	1M	181	THR
2	1N	8	VAL
2	1N	37	ASN
2	1N	108	HIS
2	1N	167	VAL
2	1N	168	ALA
2	1N	180	LEU
2	1N	200	GLN
2	1N	225	ASN
1	1Q	24	VAL
1	1Q	43	HIS
1	1Q	92	ASN
1	1Q	168	GLN
1	1Q	181	THR
2	1R	8	VAL
2	1R	37	ASN
2	1R	108	HIS
2	1R	167	VAL
2	1R	168	ALA
2	1R	180	LEU
2	1R	200	GLN
2	1R	225	ASN
1	1U	24	VAL
1	1U	43	HIS
1	1U	92	ASN
1	1U	168	GLN
1	1U	181	THR
2	1V	8	VAL
2	1V	37	ASN
2	1V	108	HIS

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Mol	Chain	Res	Type
2	1V	167	VAL
2	1V	168	ALA
2	1V	180	LEU
2	1V	200	GLN
2	1V	225	ASN
1	1Y	24	VAL
1	1Y	43	HIS
1	1Y	92	ASN
1	1Y	168	GLN
1	1Y	181	THR
2	1Z	8	VAL
2	1Z	37	ASN
2	1Z	108	HIS
2	1Z	167	VAL
2	1Z	168	ALA
2	1Z	180	LEU
2	1Z	200	GLN
2	1Z	225	ASN
1	12	24	VAL
1	12	43	HIS
1	12	92	ASN
1	12	168	GLN
1	12	181	THR
2	13	8	VAL
2	13	37	ASN
2	13	108	HIS
2	13	167	VAL
2	13	168	ALA
2	13	180	LEU
2	13	200	GLN
2	13	225	ASN
1	16	24	VAL
1	16	43	HIS
1	16	92	ASN
1	16	168	GLN
1	16	181	THR
2	17	8	VAL
2	17	37	ASN
2	17	108	HIS
2	17	167	VAL
2	17	168	ALA
2	17	180	LEU

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Mol	Chain	Res	Type
2	17	200	GLN
2	17	225	ASN
1	2A	24	VAL
1	2A	43	HIS
1	2A	92	ASN
1	2A	168	GLN
1	2A	181	THR
2	2B	8	VAL
2	2B	37	ASN
2	2B	108	HIS
2	2B	167	VAL
2	2B	168	ALA
2	2B	180	LEU
2	2B	200	GLN
2	2B	225	ASN
1	2E	24	VAL
1	2E	43	HIS
1	2E	92	ASN
1	2E	168	GLN
1	2E	181	THR
2	2F	8	VAL
2	2F	37	ASN
2	2F	108	HIS
2	2F	167	VAL
2	2F	168	ALA
2	2F	180	LEU
2	2F	200	GLN
2	2F	225	ASN
1	2I	24	VAL
1	2I	43	HIS
1	2I	92	ASN
1	2I	168	GLN
1	2I	181	THR
2	2J	8	VAL
2	2J	37	ASN
2	2J	108	HIS
2	2J	167	VAL
2	2J	168	ALA
2	2J	180	LEU
2	2J	200	GLN
2	2J	225	ASN
1	2M	24	VAL

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Mol	Chain	Res	Type
1	2M	43	HIS
1	2M	92	ASN
1	2M	168	GLN
1	2M	181	THR
2	2N	8	VAL
2	2N	37	ASN
2	2N	108	HIS
2	2N	167	VAL
2	2N	168	ALA
2	2N	180	LEU
2	2N	200	GLN
2	2N	225	ASN
1	2Q	24	VAL
1	2Q	43	HIS
1	2Q	92	ASN
1	2Q	168	GLN
1	2Q	181	THR
2	2R	8	VAL
2	2R	37	ASN
2	2R	108	HIS
2	2R	167	VAL
2	2R	168	ALA
2	2R	180	LEU
2	2R	200	GLN
2	2R	225	ASN
1	2U	24	VAL
1	2U	43	HIS
1	2U	92	ASN
1	2U	168	GLN
1	2U	181	THR
2	2V	8	VAL
2	2V	37	ASN
2	2V	108	HIS
2	2V	167	VAL
2	2V	168	ALA
2	2V	180	LEU
2	2V	200	GLN
2	2V	225	ASN
1	2Y	24	VAL
1	2Y	43	HIS
1	2Y	92	ASN
1	2Y	168	GLN

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Mol	Chain	Res	Type
1	2Y	181	THR
2	2Z	8	VAL
2	2Z	37	ASN
2	2Z	108	HIS
2	2Z	167	VAL
2	2Z	168	ALA
2	2Z	180	LEU
2	2Z	200	GLN
2	2Z	225	ASN
1	22	24	VAL
1	22	43	HIS
1	22	92	ASN
1	22	168	GLN
1	22	181	THR
2	23	8	VAL
2	23	37	ASN
2	23	108	HIS
2	23	167	VAL
2	23	168	ALA
2	23	180	LEU
2	23	200	GLN
2	23	225	ASN
1	26	24	VAL
1	26	43	HIS
1	26	92	ASN
1	26	168	GLN
1	26	181	THR
2	27	8	VAL
2	27	37	ASN
2	27	108	HIS
2	27	167	VAL
2	27	168	ALA
2	27	180	LEU
2	27	200	GLN
2	27	225	ASN
1	3A	24	VAL
1	3A	43	HIS
1	3A	92	ASN
1	3A	168	GLN
1	3A	181	THR
2	3B	8	VAL
2	3B	37	ASN

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Mol	Chain	Res	Type
2	3B	108	HIS
2	3B	167	VAL
2	3B	168	ALA
2	3B	180	LEU
2	3B	200	GLN
2	3B	225	ASN
1	3E	24	VAL
1	3E	43	HIS
1	3E	92	ASN
1	3E	168	GLN
1	3E	181	THR
2	3F	8	VAL
2	3F	37	ASN
2	3F	108	HIS
2	3F	167	VAL
2	3F	168	ALA
2	3F	180	LEU
2	3F	200	GLN
2	3F	225	ASN
1	3I	24	VAL
1	3I	43	HIS
1	3I	92	ASN
1	3I	168	GLN
1	3I	181	THR
2	3J	8	VAL
2	3J	37	ASN
2	3J	108	HIS
2	3J	167	VAL
2	3J	168	ALA
2	3J	180	LEU
2	3J	200	GLN
2	3J	225	ASN
1	3M	24	VAL
1	3M	43	HIS
1	3M	92	ASN
1	3M	168	GLN
1	3M	181	THR
2	3N	8	VAL
2	3N	37	ASN
2	3N	108	HIS
2	3N	167	VAL
2	3N	168	ALA

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Mol	Chain	Res	Type
2	3N	180	LEU
2	3N	200	GLN
2	3N	225	ASN
1	3Q	24	VAL
1	3Q	43	HIS
1	3Q	92	ASN
1	3Q	168	GLN
1	3Q	181	THR
2	3R	8	VAL
2	3R	37	ASN
2	3R	108	HIS
2	3R	167	VAL
2	3R	168	ALA
2	3R	180	LEU
2	3R	200	GLN
2	3R	225	ASN
1	3U	24	VAL
1	3U	43	HIS
1	3U	92	ASN
1	3U	168	GLN
1	3U	181	THR
2	3V	8	VAL
2	3V	37	ASN
2	3V	108	HIS
2	3V	167	VAL
2	3V	168	ALA
2	3V	180	LEU
2	3V	200	GLN
2	3V	225	ASN
1	3Y	24	VAL
1	3Y	43	HIS
1	3Y	92	ASN
1	3Y	168	GLN
1	3Y	181	THR
2	3Z	8	VAL
2	3Z	37	ASN
2	3Z	108	HIS
2	3Z	167	VAL
2	3Z	168	ALA
2	3Z	180	LEU
2	3Z	200	GLN
2	3Z	225	ASN

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Mol	Chain	Res	Type
1	32	24	VAL
1	32	43	HIS
1	32	92	ASN
1	32	168	GLN
1	32	181	THR
2	33	8	VAL
2	33	37	ASN
2	33	108	HIS
2	33	167	VAL
2	33	168	ALA
2	33	180	LEU
2	33	200	GLN
2	33	225	ASN
1	36	24	VAL
1	36	43	HIS
1	36	92	ASN
1	36	168	GLN
1	36	181	THR
2	37	8	VAL
2	37	37	ASN
2	37	108	HIS
2	37	167	VAL
2	37	168	ALA
2	37	180	LEU
2	37	200	GLN
2	37	225	ASN
1	4A	24	VAL
1	4A	43	HIS
1	4A	92	ASN
1	4A	168	GLN
1	4A	181	THR
2	4B	8	VAL
2	4B	37	ASN
2	4B	108	HIS
2	4B	167	VAL
2	4B	168	ALA
2	4B	180	LEU
2	4B	200	GLN
2	4B	225	ASN
1	4E	24	VAL
1	4E	43	HIS
1	4E	92	ASN

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Mol	Chain	Res	Type
1	4E	168	GLN
1	4E	181	THR
2	4F	8	VAL
2	4F	37	ASN
2	4F	108	HIS
2	4F	167	VAL
2	4F	168	ALA
2	4F	180	LEU
2	4F	200	GLN
2	4F	225	ASN
1	4I	24	VAL
1	4I	43	HIS
1	4I	92	ASN
1	4I	168	GLN
1	4I	181	THR
2	4J	8	VAL
2	4J	37	ASN
2	4J	108	HIS
2	4J	167	VAL
2	4J	168	ALA
2	4J	180	LEU
2	4J	200	GLN
2	4J	225	ASN
1	4M	24	VAL
1	4M	43	HIS
1	4M	92	ASN
1	4M	168	GLN
1	4M	181	THR
2	4N	8	VAL
2	4N	37	ASN
2	4N	108	HIS
2	4N	167	VAL
2	4N	168	ALA
2	4N	180	LEU
2	4N	200	GLN
2	4N	225	ASN
1	4Q	24	VAL
1	4Q	43	HIS
1	4Q	92	ASN
1	4Q	168	GLN
1	4Q	181	THR
2	4R	8	VAL

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Mol	Chain	Res	Type
2	4R	37	ASN
2	4R	108	HIS
2	4R	167	VAL
2	4R	168	ALA
2	4R	180	LEU
2	4R	200	GLN
2	4R	225	ASN
1	4U	24	VAL
1	4U	43	HIS
1	4U	92	ASN
1	4U	168	GLN
1	4U	181	THR
2	4V	8	VAL
2	4V	37	ASN
2	4V	108	HIS
2	4V	167	VAL
2	4V	168	ALA
2	4V	180	LEU
2	4V	200	GLN
2	4V	225	ASN
1	4Y	24	VAL
1	4Y	43	HIS
1	4Y	92	ASN
1	4Y	168	GLN
1	4Y	181	THR
2	4Z	8	VAL
2	4Z	37	ASN
2	4Z	108	HIS
2	4Z	167	VAL
2	4Z	168	ALA
2	4Z	180	LEU
2	4Z	200	GLN
2	4Z	225	ASN
1	42	24	VAL
1	42	43	HIS
1	42	92	ASN
1	42	168	GLN
1	42	181	THR
2	43	8	VAL
2	43	37	ASN
2	43	108	HIS
2	43	167	VAL

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Mol	Chain	Res	Type
2	43	168	ALA
2	43	180	LEU
2	43	200	GLN
2	43	225	ASN
1	46	24	VAL
1	46	43	HIS
1	46	92	ASN
1	46	168	GLN
1	46	181	THR
2	47	8	VAL
2	47	37	ASN
2	47	108	HIS
2	47	167	VAL
2	47	168	ALA
2	47	180	LEU
2	47	200	GLN
2	47	225	ASN
1	5A	24	VAL
1	5A	43	HIS
1	5A	92	ASN
1	5A	168	GLN
1	5A	181	THR
2	5B	8	VAL
2	5B	37	ASN
2	5B	108	HIS
2	5B	167	VAL
2	5B	168	ALA
2	5B	180	LEU
2	5B	200	GLN
2	5B	225	ASN
1	5E	24	VAL
1	5E	43	HIS
1	5E	92	ASN
1	5E	168	GLN
1	5E	181	THR
2	5F	8	VAL
2	5F	37	ASN
2	5F	108	HIS
2	5F	167	VAL
2	5F	168	ALA
2	5F	180	LEU
2	5F	200	GLN

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Mol	Chain	Res	Type
2	5F	225	ASN
1	5I	24	VAL
1	5I	43	HIS
1	5I	92	ASN
1	5I	168	GLN
1	5I	181	THR
2	5J	8	VAL
2	5J	37	ASN
2	5J	108	HIS
2	5J	167	VAL
2	5J	168	ALA
2	5J	180	LEU
2	5J	200	GLN
2	5J	225	ASN
1	5M	24	VAL
1	5M	43	HIS
1	5M	92	ASN
1	5M	168	GLN
1	5M	181	THR
2	5N	8	VAL
2	5N	37	ASN
2	5N	108	HIS
2	5N	167	VAL
2	5N	168	ALA
2	5N	180	LEU
2	5N	200	GLN
2	5N	225	ASN
1	5Q	24	VAL
1	5Q	43	HIS
1	5Q	92	ASN
1	5Q	168	GLN
1	5Q	181	THR
2	5R	8	VAL
2	5R	37	ASN
2	5R	108	HIS
2	5R	167	VAL
2	5R	168	ALA
2	5R	180	LEU
2	5R	200	GLN
2	5R	225	ASN
1	5U	24	VAL
1	5U	43	HIS

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Mol	Chain	Res	Type
1	5U	92	ASN
1	5U	168	GLN
1	5U	181	THR
2	5V	8	VAL
2	5V	37	ASN
2	5V	108	HIS
2	5V	167	VAL
2	5V	168	ALA
2	5V	180	LEU
2	5V	200	GLN
2	5V	225	ASN
1	5Y	24	VAL
1	5Y	43	HIS
1	5Y	92	ASN
1	5Y	168	GLN
1	5Y	181	THR
2	5Z	8	VAL
2	5Z	37	ASN
2	5Z	108	HIS
2	5Z	167	VAL
2	5Z	168	ALA
2	5Z	180	LEU
2	5Z	200	GLN
2	5Z	225	ASN
1	52	24	VAL
1	52	43	HIS
1	52	92	ASN
1	52	168	GLN
1	52	181	THR
2	53	8	VAL
2	53	37	ASN
2	53	108	HIS
2	53	167	VAL
2	53	168	ALA
2	53	180	LEU
2	53	200	GLN
2	53	225	ASN
1	56	24	VAL
1	56	43	HIS
1	56	92	ASN
1	56	168	GLN
1	56	181	THR

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Mol	Chain	Res	Type
2	57	8	VAL
2	57	37	ASN
2	57	108	HIS
2	57	167	VAL
2	57	168	ALA
2	57	180	LEU
2	57	200	GLN
2	57	225	ASN
1	6A	24	VAL
1	6A	43	HIS
1	6A	92	ASN
1	6A	168	GLN
1	6A	181	THR
2	6B	8	VAL
2	6B	37	ASN
2	6B	108	HIS
2	6B	167	VAL
2	6B	168	ALA
2	6B	180	LEU
2	6B	200	GLN
2	6B	225	ASN
1	6E	24	VAL
1	6E	43	HIS
1	6E	92	ASN
1	6E	168	GLN
1	6E	181	THR
2	6F	8	VAL
2	6F	37	ASN
2	6F	108	HIS
2	6F	167	VAL
2	6F	168	ALA
2	6F	180	LEU
2	6F	200	GLN
2	6F	225	ASN
1	6I	24	VAL
1	6I	43	HIS
1	6I	92	ASN
1	6I	168	GLN
1	6I	181	THR
2	6J	8	VAL
2	6J	37	ASN
2	6J	108	HIS

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Mol	Chain	Res	Type
2	6J	167	VAL
2	6J	168	ALA
2	6J	180	LEU
2	6J	200	GLN
2	6J	225	ASN
1	6M	24	VAL
1	6M	43	HIS
1	6M	92	ASN
1	6M	168	GLN
1	6M	181	THR
2	6N	8	VAL
2	6N	37	ASN
2	6N	108	HIS
2	6N	167	VAL
2	6N	168	ALA
2	6N	180	LEU
2	6N	200	GLN
2	6N	225	ASN
1	6Q	24	VAL
1	6Q	43	HIS
1	6Q	92	ASN
1	6Q	168	GLN
1	6Q	181	THR
2	6R	8	VAL
2	6R	37	ASN
2	6R	108	HIS
2	6R	167	VAL
2	6R	168	ALA
2	6R	180	LEU
2	6R	200	GLN
2	6R	225	ASN
1	6U	24	VAL
1	6U	43	HIS
1	6U	92	ASN
1	6U	168	GLN
1	6U	181	THR
2	6V	8	VAL
2	6V	37	ASN
2	6V	108	HIS
2	6V	167	VAL
2	6V	168	ALA
2	6V	180	LEU

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Mol	Chain	Res	Type
2	6V	200	GLN
2	6V	225	ASN
1	6Y	24	VAL
1	6Y	43	HIS
1	6Y	92	ASN
1	6Y	168	GLN
1	6Y	181	THR
2	6Z	8	VAL
2	6Z	37	ASN
2	6Z	108	HIS
2	6Z	167	VAL
2	6Z	168	ALA
2	6Z	180	LEU
2	6Z	200	GLN
2	6Z	225	ASN
1	62	24	VAL
1	62	43	HIS
1	62	92	ASN
1	62	168	GLN
1	62	181	THR
2	63	8	VAL
2	63	37	ASN
2	63	108	HIS
2	63	167	VAL
2	63	168	ALA
2	63	180	LEU
2	63	200	GLN
2	63	225	ASN
1	66	24	VAL
1	66	43	HIS
1	66	92	ASN
1	66	168	GLN
1	66	181	THR
2	67	8	VAL
2	67	37	ASN
2	67	108	HIS
2	67	167	VAL
2	67	168	ALA
2	67	180	LEU
2	67	200	GLN
2	67	225	ASN
1	7A	24	VAL

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Mol	Chain	Res	Type
1	7A	43	HIS
1	7A	92	ASN
1	7A	168	GLN
1	7A	181	THR
2	7B	8	VAL
2	7B	37	ASN
2	7B	108	HIS
2	7B	167	VAL
2	7B	168	ALA
2	7B	180	LEU
2	7B	200	GLN
2	7B	225	ASN
1	7E	24	VAL
1	7E	43	HIS
1	7E	92	ASN
1	7E	168	GLN
1	7E	181	THR
2	7F	8	VAL
2	7F	37	ASN
2	7F	108	HIS
2	7F	167	VAL
2	7F	168	ALA
2	7F	180	LEU
2	7F	200	GLN
2	7F	225	ASN
1	7I	24	VAL
1	7I	43	HIS
1	7I	92	ASN
1	7I	168	GLN
1	7I	181	THR
2	7J	8	VAL
2	7J	37	ASN
2	7J	108	HIS
2	7J	167	VAL
2	7J	168	ALA
2	7J	180	LEU
2	7J	200	GLN
2	7J	225	ASN
1	7M	24	VAL
1	7M	43	HIS
1	7M	92	ASN
1	7M	168	GLN

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Mol	Chain	Res	Type
1	7M	181	THR
2	7N	8	VAL
2	7N	37	ASN
2	7N	108	HIS
2	7N	167	VAL
2	7N	168	ALA
2	7N	180	LEU
2	7N	200	GLN
2	7N	225	ASN
1	7Q	24	VAL
1	7Q	43	HIS
1	7Q	92	ASN
1	7Q	168	GLN
1	7Q	181	THR
2	7R	8	VAL
2	7R	37	ASN
2	7R	108	HIS
2	7R	167	VAL
2	7R	168	ALA
2	7R	180	LEU
2	7R	200	GLN
2	7R	225	ASN
1	7U	24	VAL
1	7U	43	HIS
1	7U	92	ASN
1	7U	168	GLN
1	7U	181	THR
2	7V	8	VAL
2	7V	37	ASN
2	7V	108	HIS
2	7V	167	VAL
2	7V	168	ALA
2	7V	180	LEU
2	7V	200	GLN
2	7V	225	ASN
1	1A	13	ALA
1	1A	150	TYR
1	1A	174	CYS
2	1B	10	GLN
2	1B	72	ARG
2	1B	129	PRO
2	1B	138	LYS

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Mol	Chain	Res	Type
2	1B	145	THR
2	1B	171	ASN
1	1E	13	ALA
1	1E	150	TYR
1	1E	174	CYS
2	1F	10	GLN
2	1F	72	ARG
2	1F	129	PRO
2	1F	138	LYS
2	1F	145	THR
2	1F	171	ASN
1	1I	13	ALA
1	1I	150	TYR
1	1I	174	CYS
2	1J	10	GLN
2	1J	72	ARG
2	1J	129	PRO
2	1J	138	LYS
2	1J	145	THR
2	1J	171	ASN
1	1M	13	ALA
1	1M	150	TYR
1	1M	174	CYS
2	1N	10	GLN
2	1N	72	ARG
2	1N	129	PRO
2	1N	138	LYS
2	1N	145	THR
2	1N	171	ASN
1	1Q	13	ALA
1	1Q	150	TYR
1	1Q	174	CYS
2	1R	10	GLN
2	1R	72	ARG
2	1R	129	PRO
2	1R	138	LYS
2	1R	145	THR
2	1R	171	ASN
1	1U	13	ALA
1	1U	150	TYR
1	1U	174	CYS
2	1V	10	GLN

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Mol	Chain	Res	Type
2	1V	72	ARG
2	1V	129	PRO
2	1V	138	LYS
2	1V	145	THR
2	1V	171	ASN
1	1Y	13	ALA
1	1Y	150	TYR
1	1Y	174	CYS
2	1Z	10	GLN
2	1Z	72	ARG
2	1Z	129	PRO
2	1Z	138	LYS
2	1Z	145	THR
2	1Z	171	ASN
1	12	13	ALA
1	12	150	TYR
1	12	174	CYS
2	13	10	GLN
2	13	72	ARG
2	13	129	PRO
2	13	138	LYS
2	13	145	THR
2	13	171	ASN
1	16	13	ALA
1	16	150	TYR
1	16	174	CYS
2	17	10	GLN
2	17	72	ARG
2	17	129	PRO
2	17	138	LYS
2	17	145	THR
2	17	171	ASN
1	2A	13	ALA
1	2A	150	TYR
1	2A	174	CYS
2	2B	10	GLN
2	2B	72	ARG
2	2B	129	PRO
2	2B	138	LYS
2	2B	145	THR
2	2B	171	ASN
1	2E	13	ALA

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Mol	Chain	Res	Type
1	2E	150	TYR
1	2E	174	CYS
2	2F	10	GLN
2	2F	72	ARG
2	2F	129	PRO
2	2F	138	LYS
2	2F	145	THR
2	2F	171	ASN
1	2I	13	ALA
1	2I	150	TYR
1	2I	174	CYS
2	2J	10	GLN
2	2J	72	ARG
2	2J	129	PRO
2	2J	138	LYS
2	2J	145	THR
2	2J	171	ASN
1	2M	13	ALA
1	2M	150	TYR
1	2M	174	CYS
2	2N	10	GLN
2	2N	72	ARG
2	2N	129	PRO
2	2N	138	LYS
2	2N	145	THR
2	2N	171	ASN
1	2Q	13	ALA
1	2Q	150	TYR
1	2Q	174	CYS
2	2R	10	GLN
2	2R	72	ARG
2	2R	129	PRO
2	2R	138	LYS
2	2R	145	THR
2	2R	171	ASN
1	2U	13	ALA
1	2U	150	TYR
1	2U	174	CYS
2	2V	10	GLN
2	2V	72	ARG
2	2V	129	PRO
2	2V	138	LYS

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Mol	Chain	Res	Type
2	2V	145	THR
2	2V	171	ASN
1	2Y	13	ALA
1	2Y	150	TYR
1	2Y	174	CYS
2	2Z	10	GLN
2	2Z	72	ARG
2	2Z	129	PRO
2	2Z	138	LYS
2	2Z	145	THR
2	2Z	171	ASN
1	22	13	ALA
1	22	150	TYR
1	22	174	CYS
2	23	10	GLN
2	23	72	ARG
2	23	129	PRO
2	23	138	LYS
2	23	145	THR
2	23	171	ASN
1	26	13	ALA
1	26	150	TYR
1	26	174	CYS
2	27	10	GLN
2	27	72	ARG
2	27	129	PRO
2	27	138	LYS
2	27	145	THR
2	27	171	ASN
1	3A	13	ALA
1	3A	150	TYR
1	3A	174	CYS
2	3B	10	GLN
2	3B	72	ARG
2	3B	129	PRO
2	3B	138	LYS
2	3B	145	THR
2	3B	171	ASN
1	3E	13	ALA
1	3E	150	TYR
1	3E	174	CYS
2	3F	10	GLN

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Mol	Chain	Res	Type
2	3F	72	ARG
2	3F	129	PRO
2	3F	138	LYS
2	3F	145	THR
2	3F	171	ASN
1	3I	13	ALA
1	3I	150	TYR
1	3I	174	CYS
2	3J	10	GLN
2	3J	72	ARG
2	3J	129	PRO
2	3J	138	LYS
2	3J	145	THR
2	3J	171	ASN
1	3M	13	ALA
1	3M	150	TYR
1	3M	174	CYS
2	3N	10	GLN
2	3N	72	ARG
2	3N	129	PRO
2	3N	138	LYS
2	3N	145	THR
2	3N	171	ASN
1	3Q	13	ALA
1	3Q	150	TYR
1	3Q	174	CYS
2	3R	10	GLN
2	3R	72	ARG
2	3R	129	PRO
2	3R	138	LYS
2	3R	145	THR
2	3R	171	ASN
1	3U	13	ALA
1	3U	150	TYR
1	3U	174	CYS
2	3V	10	GLN
2	3V	72	ARG
2	3V	129	PRO
2	3V	138	LYS
2	3V	145	THR
2	3V	171	ASN
1	3Y	13	ALA

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Mol	Chain	Res	Type
1	3Y	150	TYR
1	3Y	174	CYS
2	3Z	10	GLN
2	3Z	72	ARG
2	3Z	129	PRO
2	3Z	138	LYS
2	3Z	145	THR
2	3Z	171	ASN
1	32	13	ALA
1	32	150	TYR
1	32	174	CYS
2	33	10	GLN
2	33	72	ARG
2	33	129	PRO
2	33	138	LYS
2	33	145	THR
2	33	171	ASN
1	36	13	ALA
1	36	150	TYR
1	36	174	CYS
2	37	10	GLN
2	37	72	ARG
2	37	129	PRO
2	37	138	LYS
2	37	145	THR
2	37	171	ASN
1	4A	13	ALA
1	4A	150	TYR
1	4A	174	CYS
2	4B	10	GLN
2	4B	72	ARG
2	4B	129	PRO
2	4B	138	LYS
2	4B	145	THR
2	4B	171	ASN
1	4E	13	ALA
1	4E	150	TYR
1	4E	174	CYS
2	4F	10	GLN
2	4F	72	ARG
2	4F	129	PRO
2	4F	138	LYS

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Mol	Chain	Res	Type
2	4F	145	THR
2	4F	171	ASN
1	4I	13	ALA
1	4I	150	TYR
1	4I	174	CYS
2	4J	10	GLN
2	4J	72	ARG
2	4J	129	PRO
2	4J	138	LYS
2	4J	145	THR
2	4J	171	ASN
1	4M	13	ALA
1	4M	150	TYR
1	4M	174	CYS
2	4N	10	GLN
2	4N	72	ARG
2	4N	129	PRO
2	4N	138	LYS
2	4N	145	THR
2	4N	171	ASN
1	4Q	13	ALA
1	4Q	150	TYR
1	4Q	174	CYS
2	4R	10	GLN
2	4R	72	ARG
2	4R	129	PRO
2	4R	138	LYS
2	4R	145	THR
2	4R	171	ASN
1	4U	13	ALA
1	4U	150	TYR
1	4U	174	CYS
2	4V	10	GLN
2	4V	72	ARG
2	4V	129	PRO
2	4V	138	LYS
2	4V	145	THR
2	4V	171	ASN
1	4Y	13	ALA
1	4Y	150	TYR
1	4Y	174	CYS
2	4Z	10	GLN

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Mol	Chain	Res	Type
2	4Z	72	ARG
2	4Z	129	PRO
2	4Z	138	LYS
2	4Z	145	THR
2	4Z	171	ASN
1	42	13	ALA
1	42	150	TYR
1	42	174	CYS
2	43	10	GLN
2	43	72	ARG
2	43	129	PRO
2	43	138	LYS
2	43	145	THR
2	43	171	ASN
1	46	13	ALA
1	46	150	TYR
1	46	174	CYS
2	47	10	GLN
2	47	72	ARG
2	47	129	PRO
2	47	138	LYS
2	47	145	THR
2	47	171	ASN
1	5A	13	ALA
1	5A	150	TYR
1	5A	174	CYS
2	5B	10	GLN
2	5B	72	ARG
2	5B	129	PRO
2	5B	138	LYS
2	5B	145	THR
2	5B	171	ASN
1	5E	13	ALA
1	5E	150	TYR
1	5E	174	CYS
2	5F	10	GLN
2	5F	72	ARG
2	5F	129	PRO
2	5F	138	LYS
2	5F	145	THR
2	5F	171	ASN
1	5I	13	ALA

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Mol	Chain	Res	Type
1	5I	150	TYR
1	5I	174	CYS
2	5J	10	GLN
2	5J	72	ARG
2	5J	129	PRO
2	5J	138	LYS
2	5J	145	THR
2	5J	171	ASN
1	5M	13	ALA
1	5M	150	TYR
1	5M	174	CYS
2	5N	10	GLN
2	5N	72	ARG
2	5N	129	PRO
2	5N	138	LYS
2	5N	145	THR
2	5N	171	ASN
1	5Q	13	ALA
1	5Q	150	TYR
1	5Q	174	CYS
2	5R	10	GLN
2	5R	72	ARG
2	5R	129	PRO
2	5R	138	LYS
2	5R	145	THR
2	5R	171	ASN
1	5U	13	ALA
1	5U	150	TYR
1	5U	174	CYS
2	5V	10	GLN
2	5V	72	ARG
2	5V	129	PRO
2	5V	138	LYS
2	5V	145	THR
2	5V	171	ASN
1	5Y	13	ALA
1	5Y	150	TYR
1	5Y	174	CYS
2	5Z	10	GLN
2	5Z	72	ARG
2	5Z	129	PRO
2	5Z	138	LYS

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Mol	Chain	Res	Type
2	5Z	145	THR
2	5Z	171	ASN
1	52	13	ALA
1	52	150	TYR
1	52	174	CYS
2	53	10	GLN
2	53	72	ARG
2	53	129	PRO
2	53	138	LYS
2	53	145	THR
2	53	171	ASN
1	56	13	ALA
1	56	150	TYR
1	56	174	CYS
2	57	10	GLN
2	57	72	ARG
2	57	129	PRO
2	57	138	LYS
2	57	145	THR
2	57	171	ASN
1	6A	13	ALA
1	6A	150	TYR
1	6A	174	CYS
2	6B	10	GLN
2	6B	72	ARG
2	6B	129	PRO
2	6B	138	LYS
2	6B	145	THR
2	6B	171	ASN
1	6E	13	ALA
1	6E	150	TYR
1	6E	174	CYS
2	6F	10	GLN
2	6F	72	ARG
2	6F	129	PRO
2	6F	138	LYS
2	6F	145	THR
2	6F	171	ASN
1	6I	13	ALA
1	6I	150	TYR
1	6I	174	CYS
2	6J	10	GLN

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Mol	Chain	Res	Type
2	6J	72	ARG
2	6J	129	PRO
2	6J	138	LYS
2	6J	145	THR
2	6J	171	ASN
1	6M	13	ALA
1	6M	150	TYR
1	6M	174	CYS
2	6N	10	GLN
2	6N	72	ARG
2	6N	129	PRO
2	6N	138	LYS
2	6N	145	THR
2	6N	171	ASN
1	6Q	13	ALA
1	6Q	150	TYR
1	6Q	174	CYS
2	6R	10	GLN
2	6R	72	ARG
2	6R	129	PRO
2	6R	138	LYS
2	6R	145	THR
2	6R	171	ASN
1	6U	13	ALA
1	6U	150	TYR
1	6U	174	CYS
2	6V	10	GLN
2	6V	72	ARG
2	6V	129	PRO
2	6V	138	LYS
2	6V	145	THR
2	6V	171	ASN
1	6Y	13	ALA
1	6Y	150	TYR
1	6Y	174	CYS
2	6Z	10	GLN
2	6Z	72	ARG
2	6Z	129	PRO
2	6Z	138	LYS
2	6Z	145	THR
2	6Z	171	ASN
1	62	13	ALA

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Mol	Chain	Res	Type
1	62	150	TYR
1	62	174	CYS
2	63	10	GLN
2	63	72	ARG
2	63	129	PRO
2	63	138	LYS
2	63	145	THR
2	63	171	ASN
1	66	13	ALA
1	66	150	TYR
1	66	174	CYS
2	67	10	GLN
2	67	72	ARG
2	67	129	PRO
2	67	138	LYS
2	67	145	THR
2	67	171	ASN
1	7A	13	ALA
1	7A	150	TYR
1	7A	174	CYS
2	7B	10	GLN
2	7B	72	ARG
2	7B	129	PRO
2	7B	138	LYS
2	7B	145	THR
2	7B	171	ASN
1	7E	13	ALA
1	7E	150	TYR
1	7E	174	CYS
2	7F	10	GLN
2	7F	72	ARG
2	7F	129	PRO
2	7F	138	LYS
2	7F	145	THR
2	7F	171	ASN
1	7I	13	ALA
1	7I	150	TYR
1	7I	174	CYS
2	7J	10	GLN
2	7J	72	ARG
2	7J	129	PRO
2	7J	138	LYS

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Mol	Chain	Res	Type
2	7J	145	THR
2	7J	171	ASN
1	7M	13	ALA
1	7M	150	TYR
1	7M	174	CYS
2	7N	10	GLN
2	7N	72	ARG
2	7N	129	PRO
2	7N	138	LYS
2	7N	145	THR
2	7N	171	ASN
1	7Q	13	ALA
1	7Q	150	TYR
1	7Q	174	CYS
2	7R	10	GLN
2	7R	72	ARG
2	7R	129	PRO
2	7R	138	LYS
2	7R	145	THR
2	7R	171	ASN
1	7U	13	ALA
1	7U	150	TYR
1	7U	174	CYS
2	7V	10	GLN
2	7V	72	ARG
2	7V	129	PRO
2	7V	138	LYS
2	7V	145	THR
2	7V	171	ASN
1	1A	17	THR
1	1A	84	ARG
1	1A	145	LEU
1	1A	156	SER
2	1B	68	PRO
2	1B	92	PRO
1	1E	17	THR
1	1E	84	ARG
1	1E	145	LEU
1	1E	156	SER
2	1F	68	PRO
2	1F	92	PRO
1	1I	17	THR

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Mol	Chain	Res	Type
1	1I	84	ARG
1	1I	145	LEU
1	1I	156	SER
2	1J	68	PRO
2	1J	92	PRO
1	1M	17	THR
1	1M	84	ARG
1	1M	145	LEU
2	1N	68	PRO
2	1N	92	PRO
1	1Q	17	THR
1	1Q	84	ARG
1	1Q	145	LEU
1	1Q	156	SER
2	1R	68	PRO
2	1R	92	PRO
1	1U	17	THR
1	1U	84	ARG
1	1U	145	LEU
1	1U	156	SER
2	1V	68	PRO
2	1V	92	PRO
1	1Y	17	THR
1	1Y	84	ARG
1	1Y	145	LEU
1	1Y	156	SER
2	1Z	68	PRO
2	1Z	92	PRO
1	12	17	THR
1	12	84	ARG
1	12	145	LEU
1	12	156	SER
2	13	68	PRO
2	13	92	PRO
1	16	17	THR
1	16	84	ARG
1	16	145	LEU
1	16	156	SER
2	17	68	PRO
2	17	92	PRO
1	2A	17	THR
1	2A	84	ARG

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Mol	Chain	Res	Type
1	2A	145	LEU
1	2A	156	SER
2	2B	68	PRO
2	2B	92	PRO
1	2E	17	THR
1	2E	84	ARG
1	2E	145	LEU
1	2E	156	SER
2	2F	68	PRO
2	2F	92	PRO
1	2I	17	THR
1	2I	84	ARG
1	2I	145	LEU
2	2J	68	PRO
2	2J	92	PRO
1	2M	17	THR
1	2M	84	ARG
1	2M	145	LEU
1	2M	156	SER
2	2N	68	PRO
2	2N	92	PRO
1	2Q	17	THR
1	2Q	84	ARG
1	2Q	145	LEU
1	2Q	156	SER
2	2R	68	PRO
2	2R	92	PRO
1	2U	17	THR
1	2U	84	ARG
1	2U	145	LEU
1	2U	156	SER
2	2V	68	PRO
2	2V	92	PRO
1	2Y	17	THR
1	2Y	84	ARG
1	2Y	145	LEU
1	2Y	156	SER
2	2Z	68	PRO
2	2Z	92	PRO
1	22	17	THR
1	22	84	ARG
1	22	145	LEU

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Mol	Chain	Res	Type
1	22	156	SER
2	23	68	PRO
2	23	92	PRO
1	26	17	THR
1	26	84	ARG
1	26	145	LEU
1	26	156	SER
2	27	68	PRO
2	27	92	PRO
1	3A	17	THR
1	3A	84	ARG
1	3A	145	LEU
2	3B	68	PRO
2	3B	92	PRO
1	3E	17	THR
1	3E	84	ARG
1	3E	145	LEU
1	3E	156	SER
2	3F	68	PRO
2	3F	92	PRO
1	3I	17	THR
1	3I	84	ARG
1	3I	145	LEU
2	3J	68	PRO
2	3J	92	PRO
1	3M	17	THR
1	3M	84	ARG
1	3M	145	LEU
1	3M	156	SER
2	3N	68	PRO
2	3N	92	PRO
1	3Q	17	THR
1	3Q	84	ARG
1	3Q	145	LEU
1	3Q	156	SER
2	3R	68	PRO
2	3R	92	PRO
1	3U	17	THR
1	3U	84	ARG
1	3U	145	LEU
1	3U	156	SER
2	3V	68	PRO

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Mol	Chain	Res	Type
2	3V	92	PRO
1	3Y	17	THR
1	3Y	84	ARG
1	3Y	145	LEU
1	3Y	156	SER
2	3Z	68	PRO
2	3Z	92	PRO
1	32	17	THR
1	32	84	ARG
1	32	145	LEU
2	33	68	PRO
2	33	92	PRO
1	36	17	THR
1	36	84	ARG
1	36	145	LEU
1	36	156	SER
2	37	68	PRO
2	37	92	PRO
1	4A	17	THR
1	4A	84	ARG
1	4A	145	LEU
1	4A	156	SER
2	4B	68	PRO
2	4B	92	PRO
1	4E	17	THR
1	4E	84	ARG
1	4E	145	LEU
2	4F	68	PRO
2	4F	92	PRO
1	4I	17	THR
1	4I	84	ARG
1	4I	145	LEU
1	4I	156	SER
2	4J	68	PRO
2	4J	92	PRO
1	4M	17	THR
1	4M	84	ARG
1	4M	145	LEU
1	4M	156	SER
2	4N	68	PRO
2	4N	92	PRO
1	4Q	17	THR

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Mol	Chain	Res	Type
1	4Q	84	ARG
1	4Q	145	LEU
1	4Q	156	SER
2	4R	68	PRO
2	4R	92	PRO
1	4U	17	THR
1	4U	84	ARG
1	4U	145	LEU
1	4U	156	SER
2	4V	68	PRO
2	4V	92	PRO
1	4Y	17	THR
1	4Y	84	ARG
1	4Y	145	LEU
2	4Z	68	PRO
2	4Z	92	PRO
1	42	17	THR
1	42	84	ARG
1	42	145	LEU
1	42	156	SER
2	43	68	PRO
2	43	92	PRO
1	46	17	THR
1	46	84	ARG
1	46	145	LEU
1	46	156	SER
2	47	68	PRO
2	47	92	PRO
1	5A	17	THR
1	5A	84	ARG
1	5A	145	LEU
1	5A	156	SER
2	5B	68	PRO
2	5B	92	PRO
1	5E	17	THR
1	5E	84	ARG
1	5E	145	LEU
1	5E	156	SER
2	5F	68	PRO
2	5F	92	PRO
1	5I	17	THR
1	5I	84	ARG

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Mol	Chain	Res	Type
1	5I	145	LEU
1	5I	156	SER
2	5J	68	PRO
2	5J	92	PRO
1	5M	17	THR
1	5M	84	ARG
1	5M	145	LEU
1	5M	156	SER
2	5N	68	PRO
2	5N	92	PRO
1	5Q	17	THR
1	5Q	84	ARG
1	5Q	145	LEU
1	5Q	156	SER
2	5R	68	PRO
2	5R	92	PRO
1	5U	17	THR
1	5U	84	ARG
1	5U	145	LEU
2	5V	68	PRO
2	5V	92	PRO
1	5Y	17	THR
1	5Y	84	ARG
1	5Y	145	LEU
1	5Y	156	SER
2	5Z	68	PRO
2	5Z	92	PRO
1	52	17	THR
1	52	84	ARG
1	52	145	LEU
1	52	156	SER
2	53	68	PRO
2	53	92	PRO
1	56	17	THR
1	56	84	ARG
1	56	145	LEU
1	56	156	SER
2	57	68	PRO
2	57	92	PRO
1	6A	17	THR
1	6A	84	ARG
1	6A	145	LEU

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Mol	Chain	Res	Type
1	6A	156	SER
2	6B	68	PRO
2	6B	92	PRO
1	6E	17	THR
1	6E	84	ARG
1	6E	145	LEU
1	6E	156	SER
2	6F	68	PRO
2	6F	92	PRO
1	6I	17	THR
1	6I	84	ARG
1	6I	145	LEU
1	6I	156	SER
2	6J	68	PRO
2	6J	92	PRO
1	6M	17	THR
1	6M	84	ARG
1	6M	145	LEU
2	6N	68	PRO
2	6N	92	PRO
1	6Q	17	THR
1	6Q	84	ARG
1	6Q	145	LEU
1	6Q	156	SER
2	6R	68	PRO
2	6R	92	PRO
1	6U	17	THR
1	6U	84	ARG
1	6U	145	LEU
2	6V	68	PRO
2	6V	92	PRO
1	6Y	17	THR
1	6Y	84	ARG
1	6Y	145	LEU
1	6Y	156	SER
2	6Z	68	PRO
2	6Z	92	PRO
1	62	17	THR
1	62	84	ARG
1	62	145	LEU
1	62	156	SER
2	63	68	PRO

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Mol	Chain	Res	Type
2	63	92	PRO
1	66	17	THR
1	66	84	ARG
1	66	145	LEU
1	66	156	SER
2	67	68	PRO
2	67	92	PRO
1	7A	17	THR
1	7A	84	ARG
1	7A	145	LEU
1	7A	156	SER
2	7B	68	PRO
2	7B	92	PRO
1	7E	17	THR
1	7E	84	ARG
1	7E	145	LEU
2	7F	68	PRO
2	7F	92	PRO
1	7I	17	THR
1	7I	84	ARG
1	7I	145	LEU
1	7I	156	SER
2	7J	68	PRO
2	7J	92	PRO
1	7M	17	THR
1	7M	84	ARG
1	7M	145	LEU
1	7M	156	SER
2	7N	68	PRO
2	7N	92	PRO
1	7Q	17	THR
1	7Q	84	ARG
1	7Q	145	LEU
2	7R	68	PRO
2	7R	92	PRO
1	7U	17	THR
1	7U	84	ARG
1	7U	145	LEU
1	7U	156	SER
2	7V	68	PRO
2	7V	92	PRO
1	1A	106	TYR

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Mol	Chain	Res	Type
1	1A	135	HIS
2	1B	136	ASP
2	1B	165	PRO
4	1D	103	SER
1	1E	106	TYR
1	1E	135	HIS
2	1F	136	ASP
2	1F	165	PRO
4	1H	103	SER
1	1I	106	TYR
1	1I	135	HIS
2	1J	136	ASP
2	1J	165	PRO
4	1L	103	SER
1	1M	106	TYR
1	1M	135	HIS
1	1M	156	SER
2	1N	136	ASP
2	1N	165	PRO
4	1P	103	SER
1	1Q	106	TYR
1	1Q	135	HIS
2	1R	136	ASP
2	1R	165	PRO
4	1T	103	SER
1	1U	106	TYR
1	1U	135	HIS
2	1V	136	ASP
2	1V	165	PRO
4	1X	103	SER
1	1Y	106	TYR
1	1Y	135	HIS
2	1Z	136	ASP
2	1Z	165	PRO
4	11	103	SER
1	12	106	TYR
1	12	135	HIS
2	13	136	ASP
2	13	165	PRO
4	15	103	SER
1	16	106	TYR
1	16	135	HIS

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Mol	Chain	Res	Type
2	17	136	ASP
2	17	165	PRO
4	19	103	SER
1	2A	106	TYR
1	2A	135	HIS
2	2B	136	ASP
2	2B	165	PRO
4	2D	103	SER
1	2E	106	TYR
1	2E	135	HIS
2	2F	136	ASP
2	2F	165	PRO
4	2H	103	SER
1	2I	106	TYR
1	2I	135	HIS
1	2I	156	SER
2	2J	136	ASP
2	2J	165	PRO
4	2L	103	SER
1	2M	106	TYR
1	2M	135	HIS
2	2N	136	ASP
2	2N	165	PRO
4	2P	103	SER
1	2Q	106	TYR
1	2Q	135	HIS
2	2R	136	ASP
2	2R	165	PRO
4	2T	103	SER
1	2U	106	TYR
1	2U	135	HIS
2	2V	136	ASP
2	2V	165	PRO
4	2X	103	SER
1	2Y	106	TYR
1	2Y	135	HIS
2	2Z	136	ASP
2	2Z	165	PRO
4	21	103	SER
1	22	106	TYR
1	22	135	HIS
2	23	136	ASP

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Mol	Chain	Res	Type
2	23	165	PRO
4	25	103	SER
1	26	106	TYR
1	26	135	HIS
2	27	136	ASP
2	27	165	PRO
4	29	103	SER
1	3A	106	TYR
1	3A	135	HIS
1	3A	156	SER
2	3B	136	ASP
2	3B	165	PRO
4	3D	103	SER
1	3E	106	TYR
1	3E	135	HIS
2	3F	136	ASP
2	3F	165	PRO
4	3H	103	SER
1	3I	106	TYR
1	3I	135	HIS
1	3I	156	SER
2	3J	136	ASP
2	3J	165	PRO
4	3L	103	SER
1	3M	106	TYR
1	3M	135	HIS
2	3N	136	ASP
2	3N	165	PRO
4	3P	103	SER
1	3Q	106	TYR
1	3Q	135	HIS
2	3R	136	ASP
2	3R	165	PRO
4	3T	103	SER
1	3U	106	TYR
1	3U	135	HIS
2	3V	136	ASP
2	3V	165	PRO
4	3X	103	SER
1	3Y	106	TYR
1	3Y	135	HIS
2	3Z	136	ASP

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Mol	Chain	Res	Type
2	3Z	165	PRO
4	31	103	SER
1	32	106	TYR
1	32	135	HIS
1	32	156	SER
2	33	136	ASP
2	33	165	PRO
4	35	103	SER
1	36	106	TYR
1	36	135	HIS
2	37	136	ASP
2	37	165	PRO
4	39	103	SER
1	4A	106	TYR
1	4A	135	HIS
2	4B	136	ASP
2	4B	165	PRO
4	4D	103	SER
1	4E	106	TYR
1	4E	135	HIS
1	4E	156	SER
2	4F	136	ASP
2	4F	165	PRO
4	4H	103	SER
1	4I	106	TYR
1	4I	135	HIS
2	4J	136	ASP
2	4J	165	PRO
4	4L	103	SER
1	4M	106	TYR
1	4M	135	HIS
2	4N	136	ASP
2	4N	165	PRO
4	4P	103	SER
1	4Q	106	TYR
1	4Q	135	HIS
2	4R	136	ASP
2	4R	165	PRO
4	4T	103	SER
1	4U	106	TYR
1	4U	135	HIS
2	4V	136	ASP

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Mol	Chain	Res	Type
2	4V	165	PRO
4	4X	103	SER
1	4Y	106	TYR
1	4Y	135	HIS
1	4Y	156	SER
2	4Z	136	ASP
2	4Z	165	PRO
4	41	103	SER
1	42	106	TYR
1	42	135	HIS
2	43	136	ASP
2	43	165	PRO
4	45	103	SER
1	46	106	TYR
1	46	135	HIS
2	47	136	ASP
2	47	165	PRO
4	49	103	SER
1	5A	106	TYR
1	5A	135	HIS
2	5B	136	ASP
2	5B	165	PRO
4	5D	103	SER
1	5E	106	TYR
1	5E	135	HIS
2	5F	136	ASP
2	5F	165	PRO
4	5H	103	SER
1	5I	106	TYR
1	5I	135	HIS
2	5J	136	ASP
2	5J	165	PRO
4	5L	103	SER
1	5M	106	TYR
1	5M	135	HIS
2	5N	136	ASP
2	5N	165	PRO
4	5P	103	SER
1	5Q	106	TYR
1	5Q	135	HIS
2	5R	136	ASP
2	5R	165	PRO

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Mol	Chain	Res	Type
4	5T	103	SER
1	5U	106	TYR
1	5U	135	HIS
1	5U	156	SER
2	5V	136	ASP
2	5V	165	PRO
4	5X	103	SER
1	5Y	106	TYR
1	5Y	135	HIS
2	5Z	136	ASP
2	5Z	165	PRO
4	51	103	SER
1	52	106	TYR
1	52	135	HIS
2	53	136	ASP
2	53	165	PRO
4	55	103	SER
1	56	106	TYR
1	56	135	HIS
2	57	136	ASP
2	57	165	PRO
4	59	103	SER
1	6A	106	TYR
1	6A	135	HIS
2	6B	136	ASP
2	6B	165	PRO
4	6D	103	SER
1	6E	106	TYR
1	6E	135	HIS
2	6F	136	ASP
2	6F	165	PRO
4	6H	103	SER
1	6I	106	TYR
1	6I	135	HIS
2	6J	136	ASP
2	6J	165	PRO
4	6L	103	SER
1	6M	106	TYR
1	6M	135	HIS
1	6M	156	SER
2	6N	136	ASP
2	6N	165	PRO

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Mol	Chain	Res	Type
4	6P	103	SER
1	6Q	106	TYR
1	6Q	135	HIS
2	6R	136	ASP
2	6R	165	PRO
4	6T	103	SER
1	6U	106	TYR
1	6U	135	HIS
1	6U	156	SER
2	6V	136	ASP
2	6V	165	PRO
4	6X	103	SER
1	6Y	106	TYR
1	6Y	135	HIS
2	6Z	136	ASP
2	6Z	165	PRO
4	61	103	SER
1	62	106	TYR
1	62	135	HIS
2	63	136	ASP
2	63	165	PRO
4	65	103	SER
1	66	106	TYR
1	66	135	HIS
2	67	136	ASP
2	67	165	PRO
4	69	103	SER
1	7A	106	TYR
1	7A	135	HIS
2	7B	136	ASP
2	7B	165	PRO
4	7D	103	SER
1	7E	106	TYR
1	7E	135	HIS
1	7E	156	SER
2	7F	136	ASP
2	7F	165	PRO
4	7H	103	SER
1	7I	106	TYR
1	7I	135	HIS
2	7J	136	ASP
2	7J	165	PRO

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Mol	Chain	Res	Type
4	7L	103	SER
1	7M	106	TYR
1	7M	135	HIS
2	7N	136	ASP
2	7N	165	PRO
4	7P	103	SER
1	7Q	106	TYR
1	7Q	135	HIS
1	7Q	156	SER
2	7R	136	ASP
2	7R	165	PRO
4	7T	103	SER
1	7U	106	TYR
1	7U	135	HIS
2	7V	136	ASP
2	7V	165	PRO
4	7X	103	SER
2	1B	166	TYR
2	1B	209	LEU
2	1F	166	TYR
2	1F	209	LEU
2	1J	166	TYR
2	1J	209	LEU
2	1N	166	TYR
2	1N	209	LEU
2	1R	166	TYR
2	1R	209	LEU
2	1V	166	TYR
2	1V	209	LEU
2	1Z	166	TYR
2	1Z	209	LEU
2	13	166	TYR
2	17	166	TYR
2	2B	166	TYR
2	2F	166	TYR
2	2F	209	LEU
2	2J	166	TYR
2	2J	209	LEU
2	2N	166	TYR
2	2N	209	LEU
2	2R	166	TYR
2	2R	209	LEU

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Mol	Chain	Res	Type
2	2V	166	TYR
2	2V	209	LEU
2	2Z	166	TYR
2	2Z	209	LEU
2	23	166	TYR
2	23	209	LEU
2	27	166	TYR
2	27	209	LEU
2	3B	166	TYR
2	3B	209	LEU
2	3F	166	TYR
2	3F	209	LEU
2	3J	166	TYR
2	3J	209	LEU
2	3N	166	TYR
2	3N	209	LEU
2	3R	166	TYR
2	3V	166	TYR
2	3Z	166	TYR
2	33	166	TYR
2	33	209	LEU
2	37	166	TYR
2	37	209	LEU
2	4B	166	TYR
2	4B	209	LEU
2	4F	166	TYR
2	4F	209	LEU
2	4J	166	TYR
2	4J	209	LEU
2	4N	166	TYR
2	4N	209	LEU
2	4R	166	TYR
2	4R	209	LEU
2	4V	166	TYR
2	4V	209	LEU
2	4Z	166	TYR
2	4Z	209	LEU
2	43	166	TYR
2	43	209	LEU
2	47	166	TYR
2	47	209	LEU
2	5B	166	TYR

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Mol	Chain	Res	Type
2	5B	209	LEU
2	5F	166	TYR
2	5J	166	TYR
2	5N	166	TYR
2	5R	166	TYR
2	5R	209	LEU
2	5V	166	TYR
2	5V	209	LEU
2	5Z	166	TYR
2	5Z	209	LEU
2	53	166	TYR
2	53	209	LEU
2	57	166	TYR
2	57	209	LEU
2	6B	166	TYR
2	6B	209	LEU
2	6F	166	TYR
2	6F	209	LEU
2	6J	166	TYR
2	6J	209	LEU
2	6N	166	TYR
2	6N	209	LEU
2	6R	166	TYR
2	6R	209	LEU
2	6V	166	TYR
2	6V	209	LEU
2	6Z	166	TYR
2	6Z	209	LEU
2	63	166	TYR
2	67	166	TYR
2	7B	166	TYR
2	7F	166	TYR
2	7F	209	LEU
2	7J	166	TYR
2	7J	209	LEU
2	7N	166	TYR
2	7N	209	LEU
2	7R	166	TYR
2	7R	209	LEU
2	7V	166	TYR
2	7V	209	LEU
2	1B	30	PRO

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Mol	Chain	Res	Type
2	1B	79	VAL
2	1F	30	PRO
2	1F	79	VAL
2	1J	30	PRO
2	1J	79	VAL
2	1N	30	PRO
2	1N	79	VAL
2	1R	30	PRO
2	1R	79	VAL
2	1V	30	PRO
2	1V	79	VAL
2	1Z	30	PRO
2	1Z	79	VAL
2	13	30	PRO
2	13	79	VAL
2	17	30	PRO
2	17	79	VAL
2	2B	30	PRO
2	2B	79	VAL
2	2F	30	PRO
2	2F	79	VAL
2	2J	30	PRO
2	2J	79	VAL
2	2N	30	PRO
2	2N	79	VAL
2	2R	30	PRO
2	2R	79	VAL
2	2V	30	PRO
2	2V	79	VAL
2	2Z	30	PRO
2	2Z	79	VAL
2	23	30	PRO
2	23	79	VAL
2	27	30	PRO
2	27	79	VAL
2	3B	30	PRO
2	3B	79	VAL
2	3F	30	PRO
2	3F	79	VAL
2	3J	30	PRO
2	3J	79	VAL
2	3N	30	PRO

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Mol	Chain	Res	Type
2	3N	79	VAL
2	3R	30	PRO
2	3R	79	VAL
2	3V	30	PRO
2	3V	79	VAL
2	3Z	30	PRO
2	3Z	79	VAL
2	33	30	PRO
2	33	79	VAL
2	37	30	PRO
2	37	79	VAL
2	4B	30	PRO
2	4B	79	VAL
2	4F	30	PRO
2	4F	79	VAL
2	4J	30	PRO
2	4J	79	VAL
2	4N	30	PRO
2	4N	79	VAL
2	4R	30	PRO
2	4R	79	VAL
2	4V	30	PRO
2	4V	79	VAL
2	4Z	30	PRO
2	4Z	79	VAL
2	43	30	PRO
2	43	79	VAL
2	47	30	PRO
2	47	79	VAL
2	5B	30	PRO
2	5B	79	VAL
2	5F	30	PRO
2	5F	79	VAL
2	5J	30	PRO
2	5J	79	VAL
2	5N	30	PRO
2	5N	79	VAL
2	5R	30	PRO
2	5R	79	VAL
2	5V	30	PRO
2	5V	79	VAL
2	5Z	30	PRO

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Mol	Chain	Res	Type
2	5Z	79	VAL
2	53	30	PRO
2	53	79	VAL
2	57	30	PRO
2	57	79	VAL
2	6B	30	PRO
2	6B	79	VAL
2	6F	30	PRO
2	6F	79	VAL
2	6J	30	PRO
2	6J	79	VAL
2	6N	30	PRO
2	6N	79	VAL
2	6R	30	PRO
2	6R	79	VAL
2	6V	30	PRO
2	6V	79	VAL
2	6Z	30	PRO
2	6Z	79	VAL
2	63	30	PRO
2	63	79	VAL
2	67	30	PRO
2	67	79	VAL
2	7B	30	PRO
2	7B	79	VAL
2	7F	30	PRO
2	7F	79	VAL
2	7J	30	PRO
2	7J	79	VAL
2	7N	30	PRO
2	7N	79	VAL
2	7R	30	PRO
2	7R	79	VAL
2	7V	30	PRO
2	7V	79	VAL
1	1A	42	VAL
1	1E	42	VAL
1	1I	42	VAL
1	1M	42	VAL
1	1Q	42	VAL
1	1U	42	VAL
1	1Y	42	VAL

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Mol	Chain	Res	Type
1	12	42	VAL
1	16	42	VAL
1	2A	42	VAL
1	2E	42	VAL
1	2I	42	VAL
1	2M	42	VAL
1	2Q	42	VAL
1	2U	42	VAL
1	2Y	42	VAL
1	22	42	VAL
1	26	42	VAL
1	3A	42	VAL
1	3E	42	VAL
1	3I	42	VAL
1	3M	42	VAL
1	3Q	42	VAL
1	3U	42	VAL
1	3Y	42	VAL
1	32	42	VAL
1	36	42	VAL
1	4A	42	VAL
1	4E	42	VAL
1	4I	42	VAL
1	4M	42	VAL
1	4Q	42	VAL
1	4U	42	VAL
1	4Y	42	VAL
1	42	42	VAL
1	46	42	VAL
1	5A	42	VAL
1	5E	42	VAL
1	5I	42	VAL
1	5M	42	VAL
1	5Q	42	VAL
1	5U	42	VAL
1	5Y	42	VAL
1	52	42	VAL
1	56	42	VAL
1	6A	42	VAL
1	6E	42	VAL
1	6I	42	VAL
1	6M	42	VAL

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Mol	Chain	Res	Type
1	6Q	42	VAL
1	6U	42	VAL
1	6Y	42	VAL
1	62	42	VAL
1	66	42	VAL
1	7A	42	VAL
1	7E	42	VAL
1	7I	42	VAL
1	7M	42	VAL
1	7Q	42	VAL
1	7U	42	VAL

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	12	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	16	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	1A	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	1E	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	1I	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	1M	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	1Q	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	1U	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	1Y	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	22	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	26	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	2A	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	2E	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	2I	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	2M	163/163 (100%)	131 (80%)	32 (20%)	1 7

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	2Q	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	2U	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	2Y	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	32	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	36	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	3A	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	3E	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	3I	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	3M	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	3Q	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	3U	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	3Y	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	42	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	46	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	4A	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	4E	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	4I	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	4M	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	4Q	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	4U	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	4Y	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	52	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	56	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	5A	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	5E	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	5I	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	5M	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	5Q	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	5U	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	5Y	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	62	163/163 (100%)	130 (80%)	33 (20%)	1 7

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	66	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	6A	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	6E	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	6I	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	6M	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	6Q	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	6U	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	6Y	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	7A	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	7E	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	7I	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	7M	163/163 (100%)	131 (80%)	32 (20%)	1 7
1	7Q	163/163 (100%)	130 (80%)	33 (20%)	1 7
1	7U	163/163 (100%)	131 (80%)	32 (20%)	1 7
2	13	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	17	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	1B	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	1F	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	1J	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	1N	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	1R	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	1V	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	1Z	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	23	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	27	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	2B	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	2F	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	2J	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	2N	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	2R	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	2V	204/203 (100%)	157 (77%)	47 (23%)	1 6

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
2	2Z	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	33	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	37	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	3B	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	3F	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	3J	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	3N	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	3R	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	3V	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	3Z	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	43	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	47	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	4B	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	4F	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	4J	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	4N	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	4R	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	4V	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	4Z	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	53	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	57	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	5B	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	5F	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	5J	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	5N	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	5R	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	5V	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	5Z	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	63	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	67	204/203 (100%)	157 (77%)	47 (23%)	1 6
2	6B	204/203 (100%)	157 (77%)	47 (23%)	1 6

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	6F	204/203 (100%)	157 (77%)	47 (23%)	1	6
2	6J	204/203 (100%)	157 (77%)	47 (23%)	1	6
2	6N	204/203 (100%)	157 (77%)	47 (23%)	1	6
2	6R	204/203 (100%)	157 (77%)	47 (23%)	1	6
2	6V	204/203 (100%)	157 (77%)	47 (23%)	1	6
2	6Z	204/203 (100%)	157 (77%)	47 (23%)	1	6
2	7B	204/203 (100%)	157 (77%)	47 (23%)	1	6
2	7F	204/203 (100%)	157 (77%)	47 (23%)	1	6
2	7J	204/203 (100%)	157 (77%)	47 (23%)	1	6
2	7N	204/203 (100%)	157 (77%)	47 (23%)	1	6
2	7R	204/203 (100%)	157 (77%)	47 (23%)	1	6
2	7V	204/203 (100%)	157 (77%)	47 (23%)	1	6
3	10	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	14	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	18	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	1C	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	1G	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	1K	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	1O	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	1S	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	1W	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	20	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	24	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	28	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	2C	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	2G	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	2K	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	2O	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	2S	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	2W	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	30	110/93 (118%)	101 (92%)	9 (8%)	10	31

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	34	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	38	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	3C	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	3G	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	3K	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	3O	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	3S	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	3W	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	40	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	44	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	48	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	4C	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	4G	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	4K	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	4O	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	4S	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	4W	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	50	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	54	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	58	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	5C	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	5G	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	5K	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	5O	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	5S	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	5W	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	60	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	64	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	68	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	6C	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	6G	110/93 (118%)	101 (92%)	9 (8%)	10	31

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	6K	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	6O	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	6S	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	6W	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	7C	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	7G	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	7K	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	7O	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	7S	110/93 (118%)	101 (92%)	9 (8%)	10	31
3	7W	110/93 (118%)	101 (92%)	9 (8%)	10	31
4	11	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	15	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	19	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	1D	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	1H	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	1L	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	1P	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	1T	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	1X	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	21	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	25	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	29	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	2D	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	2H	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	2L	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	2P	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	2T	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	2X	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	31	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	35	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	39	112/97 (116%)	92 (82%)	20 (18%)	2	9

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
4	3D	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	3H	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	3L	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	3P	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	3T	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	3X	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	41	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	45	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	49	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	4D	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	4H	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	4L	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	4P	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	4T	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	4X	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	51	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	55	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	59	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	5D	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	5H	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	5L	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	5P	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	5T	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	5X	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	61	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	65	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	69	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	6D	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	6H	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	6L	112/97 (116%)	92 (82%)	20 (18%)	2	9
4	6P	112/97 (116%)	92 (82%)	20 (18%)	2	9

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
4	6T	112/97 (116%)	92 (82%)	20 (18%)	2 9
4	6X	112/97 (116%)	92 (82%)	20 (18%)	2 9
4	7D	112/97 (116%)	92 (82%)	20 (18%)	2 9
4	7H	112/97 (116%)	92 (82%)	20 (18%)	2 9
4	7L	112/97 (116%)	92 (82%)	20 (18%)	2 9
4	7P	112/97 (116%)	92 (82%)	20 (18%)	2 9
4	7T	112/97 (116%)	92 (82%)	20 (18%)	2 9
4	7X	112/97 (116%)	92 (82%)	20 (18%)	2 9
All	All	35340/33360 (106%)	28836 (82%)	6504 (18%)	3 8

All (6504) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	1A	15	SER
1	1A	16	THR
1	1A	21	ASN
1	1A	22	HIS
1	1A	24	VAL
1	1A	27	LYS
1	1A	31	LYS
1	1A	36	THR
1	1A	41	ILE
1	1A	43	HIS
1	1A	48	TYR
1	1A	49	LEU
1	1A	65	PHE
1	1A	66	ARG
1	1A	79	THR
1	1A	82	ARG
1	1A	84	ARG
1	1A	89	PHE
1	1A	90	PHE
1	1A	95	THR
1	1A	97	SER
1	1A	111	ILE
1	1A	144	VAL
1	1A	147	ARG
1	1A	148	LEU
1	1A	150	TYR

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Mol	Chain	Res	Type
1	1A	152	SER
1	1A	154	SER
1	1A	166	MET
1	1A	171	ARG
1	1A	179	VAL
1	1A	182	PHE
2	1B	2	GLU
2	1B	6	LYS
2	1B	7	ASN
2	1B	9	VAL
2	1B	14	THR
2	1B	17	THR
2	1B	21	THR
2	1B	22	GLN
2	1B	23	HIS
2	1B	24	PRO
2	1B	25	SER
2	1B	27	PRO
2	1B	28	THR
2	1B	29	MET
2	1B	31	PHE
2	1B	36	SER
2	1B	37	ASN
2	1B	38	VAL
2	1B	39	ASP
2	1B	41	PHE
2	1B	50	THR
2	1B	56	SER
2	1B	57	LYS
2	1B	58	LEU
2	1B	60	ARG
2	1B	67	THR
2	1B	68	PRO
2	1B	70	TRP
2	1B	72	ARG
2	1B	74	TYR
2	1B	76	ILE
2	1B	78	HIS
2	1B	79	VAL
2	1B	81	LEU
2	1B	114	ASN
2	1B	162	LEU

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Mol	Chain	Res	Type
2	1B	184	LYS
2	1B	185	VAL
2	1B	191	LEU
2	1B	205	ILE
2	1B	209	LEU
2	1B	210	LEU
2	1B	215	GLN
2	1B	218	ARG
2	1B	219	VAL
2	1B	224	VAL
2	1B	227	TYR
3	1C	2	ILE
3	1C	32	THR
3	1C	33	LEU
3	1C	46	LEU
3	1C	73	LEU
3	1C	78	LEU
3	1C	83	PHE
3	1C	103	LYS
3	1C	105	GLU
4	1D	5	LEU
4	1D	12	VAL
4	1D	13[1]	GLN
4	1D	13[2]	GLN
4	1D	22	CYS
4	1D	37	ILE
4	1D	43	LYS
4	1D	50	PRO
4	1D	64	VAL
4	1D	65	LYS
4	1D	71	SER
4	1D	72[1]	ARG
4	1D	72[2]	ARG
4	1D	81	LEU
4	1D	82[1]	GLN
4	1D	82[2]	GLN
4	1D	86	LEU
4	1D	93	LEU
4	1D	117	THR
4	1D	121	VAL
1	1E	15	SER
1	1E	16	THR

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Mol	Chain	Res	Type
1	1E	21	ASN
1	1E	22	HIS
1	1E	24	VAL
1	1E	27	LYS
1	1E	31	LYS
1	1E	36	THR
1	1E	41	ILE
1	1E	43	HIS
1	1E	48	TYR
1	1E	49	LEU
1	1E	65	PHE
1	1E	66	ARG
1	1E	79	THR
1	1E	82	ARG
1	1E	84	ARG
1	1E	89	PHE
1	1E	90	PHE
1	1E	95	THR
1	1E	97	SER
1	1E	111	ILE
1	1E	144	VAL
1	1E	147	ARG
1	1E	148	LEU
1	1E	150	TYR
1	1E	152	SER
1	1E	154	SER
1	1E	166	MET
1	1E	171	ARG
1	1E	179	VAL
1	1E	182	PHE
2	1F	2	GLU
2	1F	6	LYS
2	1F	7	ASN
2	1F	9	VAL
2	1F	14	THR
2	1F	17	THR
2	1F	21	THR
2	1F	22	GLN
2	1F	23	HIS
2	1F	24	PRO
2	1F	25	SER
2	1F	27	PRO

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Mol	Chain	Res	Type
2	1F	28	THR
2	1F	29	MET
2	1F	31	PHE
2	1F	36	SER
2	1F	37	ASN
2	1F	38	VAL
2	1F	39	ASP
2	1F	41	PHE
2	1F	50	THR
2	1F	56	SER
2	1F	57	LYS
2	1F	58	LEU
2	1F	60	ARG
2	1F	67	THR
2	1F	68	PRO
2	1F	70	TRP
2	1F	72	ARG
2	1F	74	TYR
2	1F	76	ILE
2	1F	78	HIS
2	1F	79	VAL
2	1F	81	LEU
2	1F	114	ASN
2	1F	162	LEU
2	1F	184	LYS
2	1F	185	VAL
2	1F	191	LEU
2	1F	205	ILE
2	1F	209	LEU
2	1F	210	LEU
2	1F	215	GLN
2	1F	218	ARG
2	1F	219	VAL
2	1F	224	VAL
2	1F	227	TYR
3	1G	2	ILE
3	1G	32	THR
3	1G	33	LEU
3	1G	46	LEU
3	1G	73	LEU
3	1G	78	LEU
3	1G	83	PHE

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Mol	Chain	Res	Type
3	1G	103	LYS
3	1G	105	GLU
4	1H	5	LEU
4	1H	12	VAL
4	1H	13[1]	GLN
4	1H	13[2]	GLN
4	1H	22	CYS
4	1H	37	ILE
4	1H	43	LYS
4	1H	50	PRO
4	1H	64	VAL
4	1H	65	LYS
4	1H	71	SER
4	1H	72[1]	ARG
4	1H	72[2]	ARG
4	1H	81	LEU
4	1H	82[1]	GLN
4	1H	82[2]	GLN
4	1H	86	LEU
4	1H	93	LEU
4	1H	117	THR
4	1H	121	VAL
1	1I	15	SER
1	1I	16	THR
1	1I	21	ASN
1	1I	22	HIS
1	1I	24	VAL
1	1I	27	LYS
1	1I	31	LYS
1	1I	36	THR
1	1I	41	ILE
1	1I	43	HIS
1	1I	48	TYR
1	1I	49	LEU
1	1I	65	PHE
1	1I	66	ARG
1	1I	79	THR
1	1I	82	ARG
1	1I	84	ARG
1	1I	89	PHE
1	1I	90	PHE
1	1I	95	THR

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Mol	Chain	Res	Type
1	1I	97	SER
1	1I	111	ILE
1	1I	144	VAL
1	1I	147	ARG
1	1I	148	LEU
1	1I	150	TYR
1	1I	152	SER
1	1I	154	SER
1	1I	166	MET
1	1I	171	ARG
1	1I	179	VAL
1	1I	182	PHE
2	1J	2	GLU
2	1J	6	LYS
2	1J	7	ASN
2	1J	9	VAL
2	1J	14	THR
2	1J	17	THR
2	1J	21	THR
2	1J	22	GLN
2	1J	23	HIS
2	1J	24	PRO
2	1J	25	SER
2	1J	27	PRO
2	1J	28	THR
2	1J	29	MET
2	1J	31	PHE
2	1J	36	SER
2	1J	37	ASN
2	1J	38	VAL
2	1J	39	ASP
2	1J	41	PHE
2	1J	50	THR
2	1J	56	SER
2	1J	57	LYS
2	1J	58	LEU
2	1J	60	ARG
2	1J	67	THR
2	1J	68	PRO
2	1J	70	TRP
2	1J	72	ARG
2	1J	74	TYR

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Mol	Chain	Res	Type
2	1J	76	ILE
2	1J	78	HIS
2	1J	79	VAL
2	1J	81	LEU
2	1J	114	ASN
2	1J	162	LEU
2	1J	184	LYS
2	1J	185	VAL
2	1J	191	LEU
2	1J	205	ILE
2	1J	209	LEU
2	1J	210	LEU
2	1J	215	GLN
2	1J	218	ARG
2	1J	219	VAL
2	1J	224	VAL
2	1J	227	TYR
3	1K	2	ILE
3	1K	32	THR
3	1K	33	LEU
3	1K	46	LEU
3	1K	73	LEU
3	1K	78	LEU
3	1K	83	PHE
3	1K	103	LYS
3	1K	105	GLU
4	1L	5	LEU
4	1L	12	VAL
4	1L	13[1]	GLN
4	1L	13[2]	GLN
4	1L	22	CYS
4	1L	37	ILE
4	1L	43	LYS
4	1L	50	PRO
4	1L	64	VAL
4	1L	65	LYS
4	1L	71	SER
4	1L	72[1]	ARG
4	1L	72[2]	ARG
4	1L	81	LEU
4	1L	82[1]	GLN
4	1L	82[2]	GLN

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Mol	Chain	Res	Type
4	1L	86	LEU
4	1L	93	LEU
4	1L	117	THR
4	1L	121	VAL
1	1M	15	SER
1	1M	16	THR
1	1M	21	ASN
1	1M	22	HIS
1	1M	24	VAL
1	1M	27	LYS
1	1M	31	LYS
1	1M	36	THR
1	1M	41	ILE
1	1M	43	HIS
1	1M	48	TYR
1	1M	49	LEU
1	1M	52	PHE
1	1M	65	PHE
1	1M	66	ARG
1	1M	79	THR
1	1M	82	ARG
1	1M	84	ARG
1	1M	89	PHE
1	1M	90	PHE
1	1M	95	THR
1	1M	97	SER
1	1M	111	ILE
1	1M	144	VAL
1	1M	147	ARG
1	1M	148	LEU
1	1M	150	TYR
1	1M	152	SER
1	1M	154	SER
1	1M	166	MET
1	1M	171	ARG
1	1M	179	VAL
1	1M	182	PHE
2	1N	2	GLU
2	1N	6	LYS
2	1N	7	ASN
2	1N	9	VAL
2	1N	14	THR

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Mol	Chain	Res	Type
2	1N	17	THR
2	1N	21	THR
2	1N	22	GLN
2	1N	23	HIS
2	1N	24	PRO
2	1N	25	SER
2	1N	27	PRO
2	1N	28	THR
2	1N	29	MET
2	1N	31	PHE
2	1N	36	SER
2	1N	37	ASN
2	1N	38	VAL
2	1N	39	ASP
2	1N	41	PHE
2	1N	50	THR
2	1N	56	SER
2	1N	57	LYS
2	1N	58	LEU
2	1N	60	ARG
2	1N	67	THR
2	1N	68	PRO
2	1N	70	TRP
2	1N	72	ARG
2	1N	74	TYR
2	1N	76	ILE
2	1N	78	HIS
2	1N	79	VAL
2	1N	81	LEU
2	1N	114	ASN
2	1N	162	LEU
2	1N	184	LYS
2	1N	185	VAL
2	1N	191	LEU
2	1N	205	ILE
2	1N	209	LEU
2	1N	210	LEU
2	1N	215	GLN
2	1N	218	ARG
2	1N	219	VAL
2	1N	224	VAL
2	1N	227	TYR

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Mol	Chain	Res	Type
3	1O	2	ILE
3	1O	32	THR
3	1O	33	LEU
3	1O	46	LEU
3	1O	73	LEU
3	1O	78	LEU
3	1O	83	PHE
3	1O	103	LYS
3	1O	105	GLU
4	1P	5	LEU
4	1P	12	VAL
4	1P	13[1]	GLN
4	1P	13[2]	GLN
4	1P	22	CYS
4	1P	37	ILE
4	1P	43	LYS
4	1P	50	PRO
4	1P	64	VAL
4	1P	65	LYS
4	1P	71	SER
4	1P	72[1]	ARG
4	1P	72[2]	ARG
4	1P	81	LEU
4	1P	82[1]	GLN
4	1P	82[2]	GLN
4	1P	86	LEU
4	1P	93	LEU
4	1P	117	THR
4	1P	121	VAL
1	1Q	15	SER
1	1Q	16	THR
1	1Q	21	ASN
1	1Q	22	HIS
1	1Q	24	VAL
1	1Q	27	LYS
1	1Q	31	LYS
1	1Q	36	THR
1	1Q	41	ILE
1	1Q	43	HIS
1	1Q	48	TYR
1	1Q	49	LEU
1	1Q	65	PHE

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Mol	Chain	Res	Type
1	1Q	66	ARG
1	1Q	79	THR
1	1Q	82	ARG
1	1Q	84	ARG
1	1Q	89	PHE
1	1Q	90	PHE
1	1Q	95	THR
1	1Q	97	SER
1	1Q	111	ILE
1	1Q	144	VAL
1	1Q	147	ARG
1	1Q	148	LEU
1	1Q	150	TYR
1	1Q	152	SER
1	1Q	154	SER
1	1Q	166	MET
1	1Q	171	ARG
1	1Q	179	VAL
1	1Q	182	PHE
2	1R	2	GLU
2	1R	6	LYS
2	1R	7	ASN
2	1R	9	VAL
2	1R	14	THR
2	1R	17	THR
2	1R	21	THR
2	1R	22	GLN
2	1R	23	HIS
2	1R	24	PRO
2	1R	25	SER
2	1R	27	PRO
2	1R	28	THR
2	1R	29	MET
2	1R	31	PHE
2	1R	36	SER
2	1R	37	ASN
2	1R	38	VAL
2	1R	39	ASP
2	1R	41	PHE
2	1R	50	THR
2	1R	56	SER
2	1R	57	LYS

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Mol	Chain	Res	Type
2	1R	58	LEU
2	1R	60	ARG
2	1R	67	THR
2	1R	68	PRO
2	1R	70	TRP
2	1R	72	ARG
2	1R	74	TYR
2	1R	76	ILE
2	1R	78	HIS
2	1R	79	VAL
2	1R	81	LEU
2	1R	114	ASN
2	1R	162	LEU
2	1R	184	LYS
2	1R	185	VAL
2	1R	191	LEU
2	1R	205	ILE
2	1R	209	LEU
2	1R	210	LEU
2	1R	215	GLN
2	1R	218	ARG
2	1R	219	VAL
2	1R	224	VAL
2	1R	227	TYR
3	1S	2	ILE
3	1S	32	THR
3	1S	33	LEU
3	1S	46	LEU
3	1S	73	LEU
3	1S	78	LEU
3	1S	83	PHE
3	1S	103	LYS
3	1S	105	GLU
4	1T	5	LEU
4	1T	12	VAL
4	1T	13[1]	GLN
4	1T	13[2]	GLN
4	1T	22	CYS
4	1T	37	ILE
4	1T	43	LYS
4	1T	50	PRO
4	1T	64	VAL

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Mol	Chain	Res	Type
4	1T	65	LYS
4	1T	71	SER
4	1T	72[1]	ARG
4	1T	72[2]	ARG
4	1T	81	LEU
4	1T	82[1]	GLN
4	1T	82[2]	GLN
4	1T	86	LEU
4	1T	93	LEU
4	1T	117	THR
4	1T	121	VAL
1	1U	15	SER
1	1U	16	THR
1	1U	21	ASN
1	1U	22	HIS
1	1U	24	VAL
1	1U	27	LYS
1	1U	31	LYS
1	1U	36	THR
1	1U	41	ILE
1	1U	43	HIS
1	1U	48	TYR
1	1U	49	LEU
1	1U	65	PHE
1	1U	66	ARG
1	1U	79	THR
1	1U	82	ARG
1	1U	84	ARG
1	1U	89	PHE
1	1U	90	PHE
1	1U	95	THR
1	1U	97	SER
1	1U	111	ILE
1	1U	144	VAL
1	1U	147	ARG
1	1U	148	LEU
1	1U	150	TYR
1	1U	152	SER
1	1U	154	SER
1	1U	166	MET
1	1U	171	ARG
1	1U	179	VAL

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Mol	Chain	Res	Type
1	1U	182	PHE
2	1V	2	GLU
2	1V	6	LYS
2	1V	7	ASN
2	1V	9	VAL
2	1V	14	THR
2	1V	17	THR
2	1V	21	THR
2	1V	22	GLN
2	1V	23	HIS
2	1V	24	PRO
2	1V	25	SER
2	1V	27	PRO
2	1V	28	THR
2	1V	29	MET
2	1V	31	PHE
2	1V	36	SER
2	1V	37	ASN
2	1V	38	VAL
2	1V	39	ASP
2	1V	41	PHE
2	1V	50	THR
2	1V	56	SER
2	1V	57	LYS
2	1V	58	LEU
2	1V	60	ARG
2	1V	67	THR
2	1V	68	PRO
2	1V	70	TRP
2	1V	72	ARG
2	1V	74	TYR
2	1V	76	ILE
2	1V	78	HIS
2	1V	79	VAL
2	1V	81	LEU
2	1V	114	ASN
2	1V	162	LEU
2	1V	184	LYS
2	1V	185	VAL
2	1V	191	LEU
2	1V	205	ILE
2	1V	209	LEU

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Mol	Chain	Res	Type
2	1V	210	LEU
2	1V	215	GLN
2	1V	218	ARG
2	1V	219	VAL
2	1V	224	VAL
2	1V	227	TYR
3	1W	2	ILE
3	1W	32	THR
3	1W	33	LEU
3	1W	46	LEU
3	1W	73	LEU
3	1W	78	LEU
3	1W	83	PHE
3	1W	103	LYS
3	1W	105	GLU
4	1X	5	LEU
4	1X	12	VAL
4	1X	13[1]	GLN
4	1X	13[2]	GLN
4	1X	22	CYS
4	1X	37	ILE
4	1X	43	LYS
4	1X	50	PRO
4	1X	64	VAL
4	1X	65	LYS
4	1X	71	SER
4	1X	72[1]	ARG
4	1X	72[2]	ARG
4	1X	81	LEU
4	1X	82[1]	GLN
4	1X	82[2]	GLN
4	1X	86	LEU
4	1X	93	LEU
4	1X	117	THR
4	1X	121	VAL
1	1Y	15	SER
1	1Y	16	THR
1	1Y	21	ASN
1	1Y	22	HIS
1	1Y	24	VAL
1	1Y	27	LYS
1	1Y	31	LYS

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Mol	Chain	Res	Type
1	1Y	36	THR
1	1Y	41	ILE
1	1Y	43	HIS
1	1Y	48	TYR
1	1Y	49	LEU
1	1Y	65	PHE
1	1Y	66	ARG
1	1Y	79	THR
1	1Y	82	ARG
1	1Y	84	ARG
1	1Y	89	PHE
1	1Y	90	PHE
1	1Y	95	THR
1	1Y	97	SER
1	1Y	111	ILE
1	1Y	144	VAL
1	1Y	147	ARG
1	1Y	148	LEU
1	1Y	150	TYR
1	1Y	152	SER
1	1Y	154	SER
1	1Y	166	MET
1	1Y	171	ARG
1	1Y	179	VAL
1	1Y	182	PHE
2	1Z	2	GLU
2	1Z	6	LYS
2	1Z	7	ASN
2	1Z	9	VAL
2	1Z	14	THR
2	1Z	17	THR
2	1Z	21	THR
2	1Z	22	GLN
2	1Z	23	HIS
2	1Z	24	PRO
2	1Z	25	SER
2	1Z	27	PRO
2	1Z	28	THR
2	1Z	29	MET
2	1Z	31	PHE
2	1Z	36	SER
2	1Z	37	ASN

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Mol	Chain	Res	Type
2	1Z	38	VAL
2	1Z	39	ASP
2	1Z	41	PHE
2	1Z	50	THR
2	1Z	56	SER
2	1Z	57	LYS
2	1Z	58	LEU
2	1Z	60	ARG
2	1Z	67	THR
2	1Z	68	PRO
2	1Z	70	TRP
2	1Z	72	ARG
2	1Z	74	TYR
2	1Z	76	ILE
2	1Z	78	HIS
2	1Z	79	VAL
2	1Z	81	LEU
2	1Z	114	ASN
2	1Z	162	LEU
2	1Z	184	LYS
2	1Z	185	VAL
2	1Z	191	LEU
2	1Z	205	ILE
2	1Z	209	LEU
2	1Z	210	LEU
2	1Z	215	GLN
2	1Z	218	ARG
2	1Z	219	VAL
2	1Z	224	VAL
2	1Z	227	TYR
3	10	2	ILE
3	10	32	THR
3	10	33	LEU
3	10	46	LEU
3	10	73	LEU
3	10	78	LEU
3	10	83	PHE
3	10	103	LYS
3	10	105	GLU
4	11	5	LEU
4	11	12	VAL
4	11	13[1]	GLN

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Mol	Chain	Res	Type
4	11	13[2]	GLN
4	11	22	CYS
4	11	37	ILE
4	11	43	LYS
4	11	50	PRO
4	11	64	VAL
4	11	65	LYS
4	11	71	SER
4	11	72[1]	ARG
4	11	72[2]	ARG
4	11	81	LEU
4	11	82[1]	GLN
4	11	82[2]	GLN
4	11	86	LEU
4	11	93	LEU
4	11	117	THR
4	11	121	VAL
1	12	15	SER
1	12	16	THR
1	12	21	ASN
1	12	22	HIS
1	12	24	VAL
1	12	27	LYS
1	12	31	LYS
1	12	36	THR
1	12	41	ILE
1	12	43	HIS
1	12	48	TYR
1	12	49	LEU
1	12	52	PHE
1	12	65	PHE
1	12	66	ARG
1	12	79	THR
1	12	82	ARG
1	12	84	ARG
1	12	89	PHE
1	12	90	PHE
1	12	95	THR
1	12	97	SER
1	12	111	ILE
1	12	144	VAL
1	12	147	ARG

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Mol	Chain	Res	Type
1	12	148	LEU
1	12	150	TYR
1	12	152	SER
1	12	154	SER
1	12	166	MET
1	12	171	ARG
1	12	179	VAL
1	12	182	PHE
2	13	2	GLU
2	13	6	LYS
2	13	7	ASN
2	13	9	VAL
2	13	14	THR
2	13	17	THR
2	13	21	THR
2	13	22	GLN
2	13	23	HIS
2	13	24	PRO
2	13	25	SER
2	13	27	PRO
2	13	28	THR
2	13	29	MET
2	13	31	PHE
2	13	36	SER
2	13	37	ASN
2	13	38	VAL
2	13	39	ASP
2	13	41	PHE
2	13	50	THR
2	13	56	SER
2	13	57	LYS
2	13	58	LEU
2	13	60	ARG
2	13	67	THR
2	13	68	PRO
2	13	70	TRP
2	13	72	ARG
2	13	74	TYR
2	13	76	ILE
2	13	78	HIS
2	13	79	VAL
2	13	81	LEU

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Mol	Chain	Res	Type
2	13	114	ASN
2	13	162	LEU
2	13	184	LYS
2	13	185	VAL
2	13	191	LEU
2	13	205	ILE
2	13	209	LEU
2	13	210	LEU
2	13	215	GLN
2	13	218	ARG
2	13	219	VAL
2	13	224	VAL
2	13	227	TYR
3	14	2	ILE
3	14	32	THR
3	14	33	LEU
3	14	46	LEU
3	14	73	LEU
3	14	78	LEU
3	14	83	PHE
3	14	103	LYS
3	14	105	GLU
4	15	5	LEU
4	15	12	VAL
4	15	13[1]	GLN
4	15	13[2]	GLN
4	15	22	CYS
4	15	37	ILE
4	15	43	LYS
4	15	50	PRO
4	15	64	VAL
4	15	65	LYS
4	15	71	SER
4	15	72[1]	ARG
4	15	72[2]	ARG
4	15	81	LEU
4	15	82[1]	GLN
4	15	82[2]	GLN
4	15	86	LEU
4	15	93	LEU
4	15	117	THR
4	15	121	VAL

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Mol	Chain	Res	Type
1	16	15	SER
1	16	16	THR
1	16	21	ASN
1	16	22	HIS
1	16	24	VAL
1	16	27	LYS
1	16	31	LYS
1	16	36	THR
1	16	41	ILE
1	16	43	HIS
1	16	48	TYR
1	16	49	LEU
1	16	52	PHE
1	16	65	PHE
1	16	66	ARG
1	16	79	THR
1	16	82	ARG
1	16	84	ARG
1	16	89	PHE
1	16	90	PHE
1	16	95	THR
1	16	97	SER
1	16	111	ILE
1	16	144	VAL
1	16	147	ARG
1	16	148	LEU
1	16	150	TYR
1	16	152	SER
1	16	154	SER
1	16	166	MET
1	16	171	ARG
1	16	179	VAL
1	16	182	PHE
2	17	2	GLU
2	17	6	LYS
2	17	7	ASN
2	17	9	VAL
2	17	14	THR
2	17	17	THR
2	17	21	THR
2	17	22	GLN
2	17	23	HIS

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Mol	Chain	Res	Type
2	17	24	PRO
2	17	25	SER
2	17	27	PRO
2	17	28	THR
2	17	29	MET
2	17	31	PHE
2	17	36	SER
2	17	37	ASN
2	17	38	VAL
2	17	39	ASP
2	17	41	PHE
2	17	50	THR
2	17	56	SER
2	17	57	LYS
2	17	58	LEU
2	17	60	ARG
2	17	67	THR
2	17	68	PRO
2	17	70	TRP
2	17	72	ARG
2	17	74	TYR
2	17	76	ILE
2	17	78	HIS
2	17	79	VAL
2	17	81	LEU
2	17	114	ASN
2	17	162	LEU
2	17	184	LYS
2	17	185	VAL
2	17	191	LEU
2	17	205	ILE
2	17	209	LEU
2	17	210	LEU
2	17	215	GLN
2	17	218	ARG
2	17	219	VAL
2	17	224	VAL
2	17	227	TYR
3	18	2	ILE
3	18	32	THR
3	18	33	LEU
3	18	46	LEU

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Mol	Chain	Res	Type
3	18	73	LEU
3	18	78	LEU
3	18	83	PHE
3	18	103	LYS
3	18	105	GLU
4	19	5	LEU
4	19	12	VAL
4	19	13[1]	GLN
4	19	13[2]	GLN
4	19	22	CYS
4	19	37	ILE
4	19	43	LYS
4	19	50	PRO
4	19	64	VAL
4	19	65	LYS
4	19	71	SER
4	19	72[1]	ARG
4	19	72[2]	ARG
4	19	81	LEU
4	19	82[1]	GLN
4	19	82[2]	GLN
4	19	86	LEU
4	19	93	LEU
4	19	117	THR
4	19	121	VAL
1	2A	15	SER
1	2A	16	THR
1	2A	21	ASN
1	2A	22	HIS
1	2A	24	VAL
1	2A	27	LYS
1	2A	31	LYS
1	2A	36	THR
1	2A	41	ILE
1	2A	43	HIS
1	2A	48	TYR
1	2A	49	LEU
1	2A	52	PHE
1	2A	65	PHE
1	2A	66	ARG
1	2A	79	THR
1	2A	82	ARG

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Mol	Chain	Res	Type
1	2A	84	ARG
1	2A	89	PHE
1	2A	90	PHE
1	2A	95	THR
1	2A	97	SER
1	2A	111	ILE
1	2A	144	VAL
1	2A	147	ARG
1	2A	148	LEU
1	2A	150	TYR
1	2A	152	SER
1	2A	154	SER
1	2A	166	MET
1	2A	171	ARG
1	2A	179	VAL
1	2A	182	PHE
2	2B	2	GLU
2	2B	6	LYS
2	2B	7	ASN
2	2B	9	VAL
2	2B	14	THR
2	2B	17	THR
2	2B	21	THR
2	2B	22	GLN
2	2B	23	HIS
2	2B	24	PRO
2	2B	25	SER
2	2B	27	PRO
2	2B	28	THR
2	2B	29	MET
2	2B	31	PHE
2	2B	36	SER
2	2B	37	ASN
2	2B	38	VAL
2	2B	39	ASP
2	2B	41	PHE
2	2B	50	THR
2	2B	56	SER
2	2B	57	LYS
2	2B	58	LEU
2	2B	60	ARG
2	2B	67	THR

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Mol	Chain	Res	Type
2	2B	68	PRO
2	2B	70	TRP
2	2B	72	ARG
2	2B	74	TYR
2	2B	76	ILE
2	2B	78	HIS
2	2B	79	VAL
2	2B	81	LEU
2	2B	114	ASN
2	2B	162	LEU
2	2B	184	LYS
2	2B	185	VAL
2	2B	191	LEU
2	2B	205	ILE
2	2B	209	LEU
2	2B	210	LEU
2	2B	215	GLN
2	2B	218	ARG
2	2B	219	VAL
2	2B	224	VAL
2	2B	227	TYR
3	2C	2	ILE
3	2C	32	THR
3	2C	33	LEU
3	2C	46	LEU
3	2C	73	LEU
3	2C	78	LEU
3	2C	83	PHE
3	2C	103	LYS
3	2C	105	GLU
4	2D	5	LEU
4	2D	12	VAL
4	2D	13[1]	GLN
4	2D	13[2]	GLN
4	2D	22	CYS
4	2D	37	ILE
4	2D	43	LYS
4	2D	50	PRO
4	2D	64	VAL
4	2D	65	LYS
4	2D	71	SER
4	2D	72[1]	ARG

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Mol	Chain	Res	Type
4	2D	72[2]	ARG
4	2D	81	LEU
4	2D	82[1]	GLN
4	2D	82[2]	GLN
4	2D	86	LEU
4	2D	93	LEU
4	2D	117	THR
4	2D	121	VAL
1	2E	15	SER
1	2E	16	THR
1	2E	21	ASN
1	2E	22	HIS
1	2E	24	VAL
1	2E	27	LYS
1	2E	31	LYS
1	2E	36	THR
1	2E	41	ILE
1	2E	43	HIS
1	2E	48	TYR
1	2E	49	LEU
1	2E	65	PHE
1	2E	66	ARG
1	2E	79	THR
1	2E	82	ARG
1	2E	84	ARG
1	2E	89	PHE
1	2E	90	PHE
1	2E	95	THR
1	2E	97	SER
1	2E	111	ILE
1	2E	144	VAL
1	2E	147	ARG
1	2E	148	LEU
1	2E	150	TYR
1	2E	152	SER
1	2E	154	SER
1	2E	166	MET
1	2E	171	ARG
1	2E	179	VAL
1	2E	182	PHE
2	2F	2	GLU
2	2F	6	LYS

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Mol	Chain	Res	Type
2	2F	7	ASN
2	2F	9	VAL
2	2F	14	THR
2	2F	17	THR
2	2F	21	THR
2	2F	22	GLN
2	2F	23	HIS
2	2F	24	PRO
2	2F	25	SER
2	2F	27	PRO
2	2F	28	THR
2	2F	29	MET
2	2F	31	PHE
2	2F	36	SER
2	2F	37	ASN
2	2F	38	VAL
2	2F	39	ASP
2	2F	41	PHE
2	2F	50	THR
2	2F	56	SER
2	2F	57	LYS
2	2F	58	LEU
2	2F	60	ARG
2	2F	67	THR
2	2F	68	PRO
2	2F	70	TRP
2	2F	72	ARG
2	2F	74	TYR
2	2F	76	ILE
2	2F	78	HIS
2	2F	79	VAL
2	2F	81	LEU
2	2F	114	ASN
2	2F	162	LEU
2	2F	184	LYS
2	2F	185	VAL
2	2F	191	LEU
2	2F	205	ILE
2	2F	209	LEU
2	2F	210	LEU
2	2F	215	GLN
2	2F	218	ARG

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Mol	Chain	Res	Type
2	2F	219	VAL
2	2F	224	VAL
2	2F	227	TYR
3	2G	2	ILE
3	2G	32	THR
3	2G	33	LEU
3	2G	46	LEU
3	2G	73	LEU
3	2G	78	LEU
3	2G	83	PHE
3	2G	103	LYS
3	2G	105	GLU
4	2H	5	LEU
4	2H	12	VAL
4	2H	13[1]	GLN
4	2H	13[2]	GLN
4	2H	22	CYS
4	2H	37	ILE
4	2H	43	LYS
4	2H	50	PRO
4	2H	64	VAL
4	2H	65	LYS
4	2H	71	SER
4	2H	72[1]	ARG
4	2H	72[2]	ARG
4	2H	81	LEU
4	2H	82[1]	GLN
4	2H	82[2]	GLN
4	2H	86	LEU
4	2H	93	LEU
4	2H	117	THR
4	2H	121	VAL
1	2I	15	SER
1	2I	16	THR
1	2I	21	ASN
1	2I	22	HIS
1	2I	24	VAL
1	2I	27	LYS
1	2I	31	LYS
1	2I	36	THR
1	2I	41	ILE
1	2I	43	HIS

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Mol	Chain	Res	Type
1	2I	48	TYR
1	2I	49	LEU
1	2I	52	PHE
1	2I	65	PHE
1	2I	66	ARG
1	2I	79	THR
1	2I	82	ARG
1	2I	84	ARG
1	2I	89	PHE
1	2I	90	PHE
1	2I	95	THR
1	2I	97	SER
1	2I	111	ILE
1	2I	144	VAL
1	2I	147	ARG
1	2I	148	LEU
1	2I	150	TYR
1	2I	152	SER
1	2I	154	SER
1	2I	166	MET
1	2I	171	ARG
1	2I	179	VAL
1	2I	182	PHE
2	2J	2	GLU
2	2J	6	LYS
2	2J	7	ASN
2	2J	9	VAL
2	2J	14	THR
2	2J	17	THR
2	2J	21	THR
2	2J	22	GLN
2	2J	23	HIS
2	2J	24	PRO
2	2J	25	SER
2	2J	27	PRO
2	2J	28	THR
2	2J	29	MET
2	2J	31	PHE
2	2J	36	SER
2	2J	37	ASN
2	2J	38	VAL
2	2J	39	ASP

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Mol	Chain	Res	Type
2	2J	41	PHE
2	2J	50	THR
2	2J	56	SER
2	2J	57	LYS
2	2J	58	LEU
2	2J	60	ARG
2	2J	67	THR
2	2J	68	PRO
2	2J	70	TRP
2	2J	72	ARG
2	2J	74	TYR
2	2J	76	ILE
2	2J	78	HIS
2	2J	79	VAL
2	2J	81	LEU
2	2J	114	ASN
2	2J	162	LEU
2	2J	184	LYS
2	2J	185	VAL
2	2J	191	LEU
2	2J	205	ILE
2	2J	209	LEU
2	2J	210	LEU
2	2J	215	GLN
2	2J	218	ARG
2	2J	219	VAL
2	2J	224	VAL
2	2J	227	TYR
3	2K	2	ILE
3	2K	32	THR
3	2K	33	LEU
3	2K	46	LEU
3	2K	73	LEU
3	2K	78	LEU
3	2K	83	PHE
3	2K	103	LYS
3	2K	105	GLU
4	2L	5	LEU
4	2L	12	VAL
4	2L	13[1]	GLN
4	2L	13[2]	GLN
4	2L	22	CYS

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Mol	Chain	Res	Type
4	2L	37	ILE
4	2L	43	LYS
4	2L	50	PRO
4	2L	64	VAL
4	2L	65	LYS
4	2L	71	SER
4	2L	72[1]	ARG
4	2L	72[2]	ARG
4	2L	81	LEU
4	2L	82[1]	GLN
4	2L	82[2]	GLN
4	2L	86	LEU
4	2L	93	LEU
4	2L	117	THR
4	2L	121	VAL
1	2M	15	SER
1	2M	16	THR
1	2M	21	ASN
1	2M	22	HIS
1	2M	24	VAL
1	2M	27	LYS
1	2M	31	LYS
1	2M	36	THR
1	2M	41	ILE
1	2M	43	HIS
1	2M	48	TYR
1	2M	49	LEU
1	2M	65	PHE
1	2M	66	ARG
1	2M	79	THR
1	2M	82	ARG
1	2M	84	ARG
1	2M	89	PHE
1	2M	90	PHE
1	2M	95	THR
1	2M	97	SER
1	2M	111	ILE
1	2M	144	VAL
1	2M	147	ARG
1	2M	148	LEU
1	2M	150	TYR
1	2M	152	SER

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Mol	Chain	Res	Type
1	2M	154	SER
1	2M	166	MET
1	2M	171	ARG
1	2M	179	VAL
1	2M	182	PHE
2	2N	2	GLU
2	2N	6	LYS
2	2N	7	ASN
2	2N	9	VAL
2	2N	14	THR
2	2N	17	THR
2	2N	21	THR
2	2N	22	GLN
2	2N	23	HIS
2	2N	24	PRO
2	2N	25	SER
2	2N	27	PRO
2	2N	28	THR
2	2N	29	MET
2	2N	31	PHE
2	2N	36	SER
2	2N	37	ASN
2	2N	38	VAL
2	2N	39	ASP
2	2N	41	PHE
2	2N	50	THR
2	2N	56	SER
2	2N	57	LYS
2	2N	58	LEU
2	2N	60	ARG
2	2N	67	THR
2	2N	68	PRO
2	2N	70	TRP
2	2N	72	ARG
2	2N	74	TYR
2	2N	76	ILE
2	2N	78	HIS
2	2N	79	VAL
2	2N	81	LEU
2	2N	114	ASN
2	2N	162	LEU
2	2N	184	LYS

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Mol	Chain	Res	Type
2	2N	185	VAL
2	2N	191	LEU
2	2N	205	ILE
2	2N	209	LEU
2	2N	210	LEU
2	2N	215	GLN
2	2N	218	ARG
2	2N	219	VAL
2	2N	224	VAL
2	2N	227	TYR
3	2O	2	ILE
3	2O	32	THR
3	2O	33	LEU
3	2O	46	LEU
3	2O	73	LEU
3	2O	78	LEU
3	2O	83	PHE
3	2O	103	LYS
3	2O	105	GLU
4	2P	5	LEU
4	2P	12	VAL
4	2P	13[1]	GLN
4	2P	13[2]	GLN
4	2P	22	CYS
4	2P	37	ILE
4	2P	43	LYS
4	2P	50	PRO
4	2P	64	VAL
4	2P	65	LYS
4	2P	71	SER
4	2P	72[1]	ARG
4	2P	72[2]	ARG
4	2P	81	LEU
4	2P	82[1]	GLN
4	2P	82[2]	GLN
4	2P	86	LEU
4	2P	93	LEU
4	2P	117	THR
4	2P	121	VAL
1	2Q	15	SER
1	2Q	16	THR
1	2Q	21	ASN

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Mol	Chain	Res	Type
1	2Q	22	HIS
1	2Q	24	VAL
1	2Q	27	LYS
1	2Q	31	LYS
1	2Q	36	THR
1	2Q	41	ILE
1	2Q	43	HIS
1	2Q	48	TYR
1	2Q	49	LEU
1	2Q	65	PHE
1	2Q	66	ARG
1	2Q	79	THR
1	2Q	82	ARG
1	2Q	84	ARG
1	2Q	89	PHE
1	2Q	90	PHE
1	2Q	95	THR
1	2Q	97	SER
1	2Q	111	ILE
1	2Q	144	VAL
1	2Q	147	ARG
1	2Q	148	LEU
1	2Q	150	TYR
1	2Q	152	SER
1	2Q	154	SER
1	2Q	166	MET
1	2Q	171	ARG
1	2Q	179	VAL
1	2Q	182	PHE
2	2R	2	GLU
2	2R	6	LYS
2	2R	7	ASN
2	2R	9	VAL
2	2R	14	THR
2	2R	17	THR
2	2R	21	THR
2	2R	22	GLN
2	2R	23	HIS
2	2R	24	PRO
2	2R	25	SER
2	2R	27	PRO
2	2R	28	THR

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Mol	Chain	Res	Type
2	2R	29	MET
2	2R	31	PHE
2	2R	36	SER
2	2R	37	ASN
2	2R	38	VAL
2	2R	39	ASP
2	2R	41	PHE
2	2R	50	THR
2	2R	56	SER
2	2R	57	LYS
2	2R	58	LEU
2	2R	60	ARG
2	2R	67	THR
2	2R	68	PRO
2	2R	70	TRP
2	2R	72	ARG
2	2R	74	TYR
2	2R	76	ILE
2	2R	78	HIS
2	2R	79	VAL
2	2R	81	LEU
2	2R	114	ASN
2	2R	162	LEU
2	2R	184	LYS
2	2R	185	VAL
2	2R	191	LEU
2	2R	205	ILE
2	2R	209	LEU
2	2R	210	LEU
2	2R	215	GLN
2	2R	218	ARG
2	2R	219	VAL
2	2R	224	VAL
2	2R	227	TYR
3	2S	2	ILE
3	2S	32	THR
3	2S	33	LEU
3	2S	46	LEU
3	2S	73	LEU
3	2S	78	LEU
3	2S	83	PHE
3	2S	103	LYS

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Mol	Chain	Res	Type
3	2S	105	GLU
4	2T	5	LEU
4	2T	12	VAL
4	2T	13[1]	GLN
4	2T	13[2]	GLN
4	2T	22	CYS
4	2T	37	ILE
4	2T	43	LYS
4	2T	50	PRO
4	2T	64	VAL
4	2T	65	LYS
4	2T	71	SER
4	2T	72[1]	ARG
4	2T	72[2]	ARG
4	2T	81	LEU
4	2T	82[1]	GLN
4	2T	82[2]	GLN
4	2T	86	LEU
4	2T	93	LEU
4	2T	117	THR
4	2T	121	VAL
1	2U	15	SER
1	2U	16	THR
1	2U	21	ASN
1	2U	22	HIS
1	2U	24	VAL
1	2U	27	LYS
1	2U	31	LYS
1	2U	36	THR
1	2U	41	ILE
1	2U	43	HIS
1	2U	48	TYR
1	2U	49	LEU
1	2U	65	PHE
1	2U	66	ARG
1	2U	79	THR
1	2U	82	ARG
1	2U	84	ARG
1	2U	89	PHE
1	2U	90	PHE
1	2U	95	THR
1	2U	97	SER

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Mol	Chain	Res	Type
1	2U	111	ILE
1	2U	144	VAL
1	2U	147	ARG
1	2U	148	LEU
1	2U	150	TYR
1	2U	152	SER
1	2U	154	SER
1	2U	166	MET
1	2U	171	ARG
1	2U	179	VAL
1	2U	182	PHE
2	2V	2	GLU
2	2V	6	LYS
2	2V	7	ASN
2	2V	9	VAL
2	2V	14	THR
2	2V	17	THR
2	2V	21	THR
2	2V	22	GLN
2	2V	23	HIS
2	2V	24	PRO
2	2V	25	SER
2	2V	27	PRO
2	2V	28	THR
2	2V	29	MET
2	2V	31	PHE
2	2V	36	SER
2	2V	37	ASN
2	2V	38	VAL
2	2V	39	ASP
2	2V	41	PHE
2	2V	50	THR
2	2V	56	SER
2	2V	57	LYS
2	2V	58	LEU
2	2V	60	ARG
2	2V	67	THR
2	2V	68	PRO
2	2V	70	TRP
2	2V	72	ARG
2	2V	74	TYR
2	2V	76	ILE

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Mol	Chain	Res	Type
2	2V	78	HIS
2	2V	79	VAL
2	2V	81	LEU
2	2V	114	ASN
2	2V	162	LEU
2	2V	184	LYS
2	2V	185	VAL
2	2V	191	LEU
2	2V	205	ILE
2	2V	209	LEU
2	2V	210	LEU
2	2V	215	GLN
2	2V	218	ARG
2	2V	219	VAL
2	2V	224	VAL
2	2V	227	TYR
3	2W	2	ILE
3	2W	32	THR
3	2W	33	LEU
3	2W	46	LEU
3	2W	73	LEU
3	2W	78	LEU
3	2W	83	PHE
3	2W	103	LYS
3	2W	105	GLU
4	2X	5	LEU
4	2X	12	VAL
4	2X	13[1]	GLN
4	2X	13[2]	GLN
4	2X	22	CYS
4	2X	37	ILE
4	2X	43	LYS
4	2X	50	PRO
4	2X	64	VAL
4	2X	65	LYS
4	2X	71	SER
4	2X	72[1]	ARG
4	2X	72[2]	ARG
4	2X	81	LEU
4	2X	82[1]	GLN
4	2X	82[2]	GLN
4	2X	86	LEU

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Mol	Chain	Res	Type
4	2X	93	LEU
4	2X	117	THR
4	2X	121	VAL
1	2Y	15	SER
1	2Y	16	THR
1	2Y	21	ASN
1	2Y	22	HIS
1	2Y	24	VAL
1	2Y	27	LYS
1	2Y	31	LYS
1	2Y	36	THR
1	2Y	41	ILE
1	2Y	43	HIS
1	2Y	48	TYR
1	2Y	49	LEU
1	2Y	65	PHE
1	2Y	66	ARG
1	2Y	79	THR
1	2Y	82	ARG
1	2Y	84	ARG
1	2Y	89	PHE
1	2Y	90	PHE
1	2Y	95	THR
1	2Y	97	SER
1	2Y	111	ILE
1	2Y	144	VAL
1	2Y	147	ARG
1	2Y	148	LEU
1	2Y	150	TYR
1	2Y	152	SER
1	2Y	154	SER
1	2Y	166	MET
1	2Y	171	ARG
1	2Y	179	VAL
1	2Y	182	PHE
2	2Z	2	GLU
2	2Z	6	LYS
2	2Z	7	ASN
2	2Z	9	VAL
2	2Z	14	THR
2	2Z	17	THR
2	2Z	21	THR

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Mol	Chain	Res	Type
2	2Z	22	GLN
2	2Z	23	HIS
2	2Z	24	PRO
2	2Z	25	SER
2	2Z	27	PRO
2	2Z	28	THR
2	2Z	29	MET
2	2Z	31	PHE
2	2Z	36	SER
2	2Z	37	ASN
2	2Z	38	VAL
2	2Z	39	ASP
2	2Z	41	PHE
2	2Z	50	THR
2	2Z	56	SER
2	2Z	57	LYS
2	2Z	58	LEU
2	2Z	60	ARG
2	2Z	67	THR
2	2Z	68	PRO
2	2Z	70	TRP
2	2Z	72	ARG
2	2Z	74	TYR
2	2Z	76	ILE
2	2Z	78	HIS
2	2Z	79	VAL
2	2Z	81	LEU
2	2Z	114	ASN
2	2Z	162	LEU
2	2Z	184	LYS
2	2Z	185	VAL
2	2Z	191	LEU
2	2Z	205	ILE
2	2Z	209	LEU
2	2Z	210	LEU
2	2Z	215	GLN
2	2Z	218	ARG
2	2Z	219	VAL
2	2Z	224	VAL
2	2Z	227	TYR
3	20	2	ILE
3	20	32	THR

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Mol	Chain	Res	Type
3	20	33	LEU
3	20	46	LEU
3	20	73	LEU
3	20	78	LEU
3	20	83	PHE
3	20	103	LYS
3	20	105	GLU
4	21	5	LEU
4	21	12	VAL
4	21	13[1]	GLN
4	21	13[2]	GLN
4	21	22	CYS
4	21	37	ILE
4	21	43	LYS
4	21	50	PRO
4	21	64	VAL
4	21	65	LYS
4	21	71	SER
4	21	72[1]	ARG
4	21	72[2]	ARG
4	21	81	LEU
4	21	82[1]	GLN
4	21	82[2]	GLN
4	21	86	LEU
4	21	93	LEU
4	21	117	THR
4	21	121	VAL
1	22	15	SER
1	22	16	THR
1	22	21	ASN
1	22	22	HIS
1	22	24	VAL
1	22	27	LYS
1	22	31	LYS
1	22	36	THR
1	22	41	ILE
1	22	43	HIS
1	22	48	TYR
1	22	49	LEU
1	22	65	PHE
1	22	66	ARG
1	22	79	THR

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Mol	Chain	Res	Type
1	22	82	ARG
1	22	84	ARG
1	22	89	PHE
1	22	90	PHE
1	22	95	THR
1	22	97	SER
1	22	111	ILE
1	22	144	VAL
1	22	147	ARG
1	22	148	LEU
1	22	150	TYR
1	22	152	SER
1	22	154	SER
1	22	166	MET
1	22	171	ARG
1	22	179	VAL
1	22	182	PHE
2	23	2	GLU
2	23	6	LYS
2	23	7	ASN
2	23	9	VAL
2	23	14	THR
2	23	17	THR
2	23	21	THR
2	23	22	GLN
2	23	23	HIS
2	23	24	PRO
2	23	25	SER
2	23	27	PRO
2	23	28	THR
2	23	29	MET
2	23	31	PHE
2	23	36	SER
2	23	37	ASN
2	23	38	VAL
2	23	39	ASP
2	23	41	PHE
2	23	50	THR
2	23	56	SER
2	23	57	LYS
2	23	58	LEU
2	23	60	ARG

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Mol	Chain	Res	Type
2	23	67	THR
2	23	68	PRO
2	23	70	TRP
2	23	72	ARG
2	23	74	TYR
2	23	76	ILE
2	23	78	HIS
2	23	79	VAL
2	23	81	LEU
2	23	114	ASN
2	23	162	LEU
2	23	184	LYS
2	23	185	VAL
2	23	191	LEU
2	23	205	ILE
2	23	209	LEU
2	23	210	LEU
2	23	215	GLN
2	23	218	ARG
2	23	219	VAL
2	23	224	VAL
2	23	227	TYR
3	24	2	ILE
3	24	32	THR
3	24	33	LEU
3	24	46	LEU
3	24	73	LEU
3	24	78	LEU
3	24	83	PHE
3	24	103	LYS
3	24	105	GLU
4	25	5	LEU
4	25	12	VAL
4	25	13[1]	GLN
4	25	13[2]	GLN
4	25	22	CYS
4	25	37	ILE
4	25	43	LYS
4	25	50	PRO
4	25	64	VAL
4	25	65	LYS
4	25	71	SER

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Mol	Chain	Res	Type
4	25	72[1]	ARG
4	25	72[2]	ARG
4	25	81	LEU
4	25	82[1]	GLN
4	25	82[2]	GLN
4	25	86	LEU
4	25	93	LEU
4	25	117	THR
4	25	121	VAL
1	26	15	SER
1	26	16	THR
1	26	21	ASN
1	26	22	HIS
1	26	24	VAL
1	26	27	LYS
1	26	31	LYS
1	26	36	THR
1	26	41	ILE
1	26	43	HIS
1	26	48	TYR
1	26	49	LEU
1	26	65	PHE
1	26	66	ARG
1	26	79	THR
1	26	82	ARG
1	26	84	ARG
1	26	89	PHE
1	26	90	PHE
1	26	95	THR
1	26	97	SER
1	26	111	ILE
1	26	144	VAL
1	26	147	ARG
1	26	148	LEU
1	26	150	TYR
1	26	152	SER
1	26	154	SER
1	26	166	MET
1	26	171	ARG
1	26	179	VAL
1	26	182	PHE
2	27	2	GLU

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Mol	Chain	Res	Type
2	27	6	LYS
2	27	7	ASN
2	27	9	VAL
2	27	14	THR
2	27	17	THR
2	27	21	THR
2	27	22	GLN
2	27	23	HIS
2	27	24	PRO
2	27	25	SER
2	27	27	PRO
2	27	28	THR
2	27	29	MET
2	27	31	PHE
2	27	36	SER
2	27	37	ASN
2	27	38	VAL
2	27	39	ASP
2	27	41	PHE
2	27	50	THR
2	27	56	SER
2	27	57	LYS
2	27	58	LEU
2	27	60	ARG
2	27	67	THR
2	27	68	PRO
2	27	70	TRP
2	27	72	ARG
2	27	74	TYR
2	27	76	ILE
2	27	78	HIS
2	27	79	VAL
2	27	81	LEU
2	27	114	ASN
2	27	162	LEU
2	27	184	LYS
2	27	185	VAL
2	27	191	LEU
2	27	205	ILE
2	27	209	LEU
2	27	210	LEU
2	27	215	GLN

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Mol	Chain	Res	Type
2	27	218	ARG
2	27	219	VAL
2	27	224	VAL
2	27	227	TYR
3	28	2	ILE
3	28	32	THR
3	28	33	LEU
3	28	46	LEU
3	28	73	LEU
3	28	78	LEU
3	28	83	PHE
3	28	103	LYS
3	28	105	GLU
4	29	5	LEU
4	29	12	VAL
4	29	13[1]	GLN
4	29	13[2]	GLN
4	29	22	CYS
4	29	37	ILE
4	29	43	LYS
4	29	50	PRO
4	29	64	VAL
4	29	65	LYS
4	29	71	SER
4	29	72[1]	ARG
4	29	72[2]	ARG
4	29	81	LEU
4	29	82[1]	GLN
4	29	82[2]	GLN
4	29	86	LEU
4	29	93	LEU
4	29	117	THR
4	29	121	VAL
1	3A	15	SER
1	3A	16	THR
1	3A	21	ASN
1	3A	22	HIS
1	3A	24	VAL
1	3A	27	LYS
1	3A	31	LYS
1	3A	36	THR
1	3A	41	ILE

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Mol	Chain	Res	Type
1	3A	43	HIS
1	3A	48	TYR
1	3A	49	LEU
1	3A	52	PHE
1	3A	65	PHE
1	3A	66	ARG
1	3A	79	THR
1	3A	82	ARG
1	3A	84	ARG
1	3A	89	PHE
1	3A	90	PHE
1	3A	95	THR
1	3A	97	SER
1	3A	111	ILE
1	3A	144	VAL
1	3A	147	ARG
1	3A	148	LEU
1	3A	150	TYR
1	3A	152	SER
1	3A	154	SER
1	3A	166	MET
1	3A	171	ARG
1	3A	179	VAL
1	3A	182	PHE
2	3B	2	GLU
2	3B	6	LYS
2	3B	7	ASN
2	3B	9	VAL
2	3B	14	THR
2	3B	17	THR
2	3B	21	THR
2	3B	22	GLN
2	3B	23	HIS
2	3B	24	PRO
2	3B	25	SER
2	3B	27	PRO
2	3B	28	THR
2	3B	29	MET
2	3B	31	PHE
2	3B	36	SER
2	3B	37	ASN
2	3B	38	VAL

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Mol	Chain	Res	Type
2	3B	39	ASP
2	3B	41	PHE
2	3B	50	THR
2	3B	56	SER
2	3B	57	LYS
2	3B	58	LEU
2	3B	60	ARG
2	3B	67	THR
2	3B	68	PRO
2	3B	70	TRP
2	3B	72	ARG
2	3B	74	TYR
2	3B	76	ILE
2	3B	78	HIS
2	3B	79	VAL
2	3B	81	LEU
2	3B	114	ASN
2	3B	162	LEU
2	3B	184	LYS
2	3B	185	VAL
2	3B	191	LEU
2	3B	205	ILE
2	3B	209	LEU
2	3B	210	LEU
2	3B	215	GLN
2	3B	218	ARG
2	3B	219	VAL
2	3B	224	VAL
2	3B	227	TYR
3	3C	2	ILE
3	3C	32	THR
3	3C	33	LEU
3	3C	46	LEU
3	3C	73	LEU
3	3C	78	LEU
3	3C	83	PHE
3	3C	103	LYS
3	3C	105	GLU
4	3D	5	LEU
4	3D	12	VAL
4	3D	13[1]	GLN
4	3D	13[2]	GLN

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Mol	Chain	Res	Type
4	3D	22	CYS
4	3D	37	ILE
4	3D	43	LYS
4	3D	50	PRO
4	3D	64	VAL
4	3D	65	LYS
4	3D	71	SER
4	3D	72[1]	ARG
4	3D	72[2]	ARG
4	3D	81	LEU
4	3D	82[1]	GLN
4	3D	82[2]	GLN
4	3D	86	LEU
4	3D	93	LEU
4	3D	117	THR
4	3D	121	VAL
1	3E	15	SER
1	3E	16	THR
1	3E	21	ASN
1	3E	22	HIS
1	3E	24	VAL
1	3E	27	LYS
1	3E	31	LYS
1	3E	36	THR
1	3E	41	ILE
1	3E	43	HIS
1	3E	48	TYR
1	3E	49	LEU
1	3E	65	PHE
1	3E	66	ARG
1	3E	79	THR
1	3E	82	ARG
1	3E	84	ARG
1	3E	89	PHE
1	3E	90	PHE
1	3E	95	THR
1	3E	97	SER
1	3E	111	ILE
1	3E	144	VAL
1	3E	147	ARG
1	3E	148	LEU
1	3E	150	TYR

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Mol	Chain	Res	Type
1	3E	152	SER
1	3E	154	SER
1	3E	166	MET
1	3E	171	ARG
1	3E	179	VAL
1	3E	182	PHE
2	3F	2	GLU
2	3F	6	LYS
2	3F	7	ASN
2	3F	9	VAL
2	3F	14	THR
2	3F	17	THR
2	3F	21	THR
2	3F	22	GLN
2	3F	23	HIS
2	3F	24	PRO
2	3F	25	SER
2	3F	27	PRO
2	3F	28	THR
2	3F	29	MET
2	3F	31	PHE
2	3F	36	SER
2	3F	37	ASN
2	3F	38	VAL
2	3F	39	ASP
2	3F	41	PHE
2	3F	50	THR
2	3F	56	SER
2	3F	57	LYS
2	3F	58	LEU
2	3F	60	ARG
2	3F	67	THR
2	3F	68	PRO
2	3F	70	TRP
2	3F	72	ARG
2	3F	74	TYR
2	3F	76	ILE
2	3F	78	HIS
2	3F	79	VAL
2	3F	81	LEU
2	3F	114	ASN
2	3F	162	LEU

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Mol	Chain	Res	Type
2	3F	184	LYS
2	3F	185	VAL
2	3F	191	LEU
2	3F	205	ILE
2	3F	209	LEU
2	3F	210	LEU
2	3F	215	GLN
2	3F	218	ARG
2	3F	219	VAL
2	3F	224	VAL
2	3F	227	TYR
3	3G	2	ILE
3	3G	32	THR
3	3G	33	LEU
3	3G	46	LEU
3	3G	73	LEU
3	3G	78	LEU
3	3G	83	PHE
3	3G	103	LYS
3	3G	105	GLU
4	3H	5	LEU
4	3H	12	VAL
4	3H	13[1]	GLN
4	3H	13[2]	GLN
4	3H	22	CYS
4	3H	37	ILE
4	3H	43	LYS
4	3H	50	PRO
4	3H	64	VAL
4	3H	65	LYS
4	3H	71	SER
4	3H	72[1]	ARG
4	3H	72[2]	ARG
4	3H	81	LEU
4	3H	82[1]	GLN
4	3H	82[2]	GLN
4	3H	86	LEU
4	3H	93	LEU
4	3H	117	THR
4	3H	121	VAL
1	3I	15	SER
1	3I	16	THR

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Mol	Chain	Res	Type
1	3I	21	ASN
1	3I	22	HIS
1	3I	24	VAL
1	3I	27	LYS
1	3I	31	LYS
1	3I	36	THR
1	3I	41	ILE
1	3I	43	HIS
1	3I	48	TYR
1	3I	49	LEU
1	3I	52	PHE
1	3I	65	PHE
1	3I	66	ARG
1	3I	79	THR
1	3I	82	ARG
1	3I	84	ARG
1	3I	89	PHE
1	3I	90	PHE
1	3I	95	THR
1	3I	97	SER
1	3I	111	ILE
1	3I	144	VAL
1	3I	147	ARG
1	3I	148	LEU
1	3I	150	TYR
1	3I	152	SER
1	3I	154	SER
1	3I	166	MET
1	3I	171	ARG
1	3I	179	VAL
1	3I	182	PHE
2	3J	2	GLU
2	3J	6	LYS
2	3J	7	ASN
2	3J	9	VAL
2	3J	14	THR
2	3J	17	THR
2	3J	21	THR
2	3J	22	GLN
2	3J	23	HIS
2	3J	24	PRO
2	3J	25	SER

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Mol	Chain	Res	Type
2	3J	27	PRO
2	3J	28	THR
2	3J	29	MET
2	3J	31	PHE
2	3J	36	SER
2	3J	37	ASN
2	3J	38	VAL
2	3J	39	ASP
2	3J	41	PHE
2	3J	50	THR
2	3J	56	SER
2	3J	57	LYS
2	3J	58	LEU
2	3J	60	ARG
2	3J	67	THR
2	3J	68	PRO
2	3J	70	TRP
2	3J	72	ARG
2	3J	74	TYR
2	3J	76	ILE
2	3J	78	HIS
2	3J	79	VAL
2	3J	81	LEU
2	3J	114	ASN
2	3J	162	LEU
2	3J	184	LYS
2	3J	185	VAL
2	3J	191	LEU
2	3J	205	ILE
2	3J	209	LEU
2	3J	210	LEU
2	3J	215	GLN
2	3J	218	ARG
2	3J	219	VAL
2	3J	224	VAL
2	3J	227	TYR
3	3K	2	ILE
3	3K	32	THR
3	3K	33	LEU
3	3K	46	LEU
3	3K	73	LEU
3	3K	78	LEU

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Mol	Chain	Res	Type
3	3K	83	PHE
3	3K	103	LYS
3	3K	105	GLU
4	3L	5	LEU
4	3L	12	VAL
4	3L	13[1]	GLN
4	3L	13[2]	GLN
4	3L	22	CYS
4	3L	37	ILE
4	3L	43	LYS
4	3L	50	PRO
4	3L	64	VAL
4	3L	65	LYS
4	3L	71	SER
4	3L	72[1]	ARG
4	3L	72[2]	ARG
4	3L	81	LEU
4	3L	82[1]	GLN
4	3L	82[2]	GLN
4	3L	86	LEU
4	3L	93	LEU
4	3L	117	THR
4	3L	121	VAL
1	3M	15	SER
1	3M	16	THR
1	3M	21	ASN
1	3M	22	HIS
1	3M	24	VAL
1	3M	27	LYS
1	3M	31	LYS
1	3M	36	THR
1	3M	41	ILE
1	3M	43	HIS
1	3M	48	TYR
1	3M	49	LEU
1	3M	65	PHE
1	3M	66	ARG
1	3M	79	THR
1	3M	82	ARG
1	3M	84	ARG
1	3M	89	PHE
1	3M	90	PHE

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Mol	Chain	Res	Type
1	3M	95	THR
1	3M	97	SER
1	3M	111	ILE
1	3M	144	VAL
1	3M	147	ARG
1	3M	148	LEU
1	3M	150	TYR
1	3M	152	SER
1	3M	154	SER
1	3M	166	MET
1	3M	171	ARG
1	3M	179	VAL
1	3M	182	PHE
2	3N	2	GLU
2	3N	6	LYS
2	3N	7	ASN
2	3N	9	VAL
2	3N	14	THR
2	3N	17	THR
2	3N	21	THR
2	3N	22	GLN
2	3N	23	HIS
2	3N	24	PRO
2	3N	25	SER
2	3N	27	PRO
2	3N	28	THR
2	3N	29	MET
2	3N	31	PHE
2	3N	36	SER
2	3N	37	ASN
2	3N	38	VAL
2	3N	39	ASP
2	3N	41	PHE
2	3N	50	THR
2	3N	56	SER
2	3N	57	LYS
2	3N	58	LEU
2	3N	60	ARG
2	3N	67	THR
2	3N	68	PRO
2	3N	70	TRP
2	3N	72	ARG

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Mol	Chain	Res	Type
2	3N	74	TYR
2	3N	76	ILE
2	3N	78	HIS
2	3N	79	VAL
2	3N	81	LEU
2	3N	114	ASN
2	3N	162	LEU
2	3N	184	LYS
2	3N	185	VAL
2	3N	191	LEU
2	3N	205	ILE
2	3N	209	LEU
2	3N	210	LEU
2	3N	215	GLN
2	3N	218	ARG
2	3N	219	VAL
2	3N	224	VAL
2	3N	227	TYR
3	3O	2	ILE
3	3O	32	THR
3	3O	33	LEU
3	3O	46	LEU
3	3O	73	LEU
3	3O	78	LEU
3	3O	83	PHE
3	3O	103	LYS
3	3O	105	GLU
4	3P	5	LEU
4	3P	12	VAL
4	3P	13[1]	GLN
4	3P	13[2]	GLN
4	3P	22	CYS
4	3P	37	ILE
4	3P	43	LYS
4	3P	50	PRO
4	3P	64	VAL
4	3P	65	LYS
4	3P	71	SER
4	3P	72[1]	ARG
4	3P	72[2]	ARG
4	3P	81	LEU
4	3P	82[1]	GLN

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Mol	Chain	Res	Type
4	3P	82[2]	GLN
4	3P	86	LEU
4	3P	93	LEU
4	3P	117	THR
4	3P	121	VAL
1	3Q	15	SER
1	3Q	16	THR
1	3Q	21	ASN
1	3Q	22	HIS
1	3Q	24	VAL
1	3Q	27	LYS
1	3Q	31	LYS
1	3Q	36	THR
1	3Q	41	ILE
1	3Q	43	HIS
1	3Q	48	TYR
1	3Q	49	LEU
1	3Q	52	PHE
1	3Q	65	PHE
1	3Q	66	ARG
1	3Q	79	THR
1	3Q	82	ARG
1	3Q	84	ARG
1	3Q	89	PHE
1	3Q	90	PHE
1	3Q	95	THR
1	3Q	97	SER
1	3Q	111	ILE
1	3Q	144	VAL
1	3Q	147	ARG
1	3Q	148	LEU
1	3Q	150	TYR
1	3Q	152	SER
1	3Q	154	SER
1	3Q	166	MET
1	3Q	171	ARG
1	3Q	179	VAL
1	3Q	182	PHE
2	3R	2	GLU
2	3R	6	LYS
2	3R	7	ASN
2	3R	9	VAL

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Mol	Chain	Res	Type
2	3R	14	THR
2	3R	17	THR
2	3R	21	THR
2	3R	22	GLN
2	3R	23	HIS
2	3R	24	PRO
2	3R	25	SER
2	3R	27	PRO
2	3R	28	THR
2	3R	29	MET
2	3R	31	PHE
2	3R	36	SER
2	3R	37	ASN
2	3R	38	VAL
2	3R	39	ASP
2	3R	41	PHE
2	3R	50	THR
2	3R	56	SER
2	3R	57	LYS
2	3R	58	LEU
2	3R	60	ARG
2	3R	67	THR
2	3R	68	PRO
2	3R	70	TRP
2	3R	72	ARG
2	3R	74	TYR
2	3R	76	ILE
2	3R	78	HIS
2	3R	79	VAL
2	3R	81	LEU
2	3R	114	ASN
2	3R	162	LEU
2	3R	184	LYS
2	3R	185	VAL
2	3R	191	LEU
2	3R	205	ILE
2	3R	209	LEU
2	3R	210	LEU
2	3R	215	GLN
2	3R	218	ARG
2	3R	219	VAL
2	3R	224	VAL

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Mol	Chain	Res	Type
2	3R	227	TYR
3	3S	2	ILE
3	3S	32	THR
3	3S	33	LEU
3	3S	46	LEU
3	3S	73	LEU
3	3S	78	LEU
3	3S	83	PHE
3	3S	103	LYS
3	3S	105	GLU
4	3T	5	LEU
4	3T	12	VAL
4	3T	13[1]	GLN
4	3T	13[2]	GLN
4	3T	22	CYS
4	3T	37	ILE
4	3T	43	LYS
4	3T	50	PRO
4	3T	64	VAL
4	3T	65	LYS
4	3T	71	SER
4	3T	72[1]	ARG
4	3T	72[2]	ARG
4	3T	81	LEU
4	3T	82[1]	GLN
4	3T	82[2]	GLN
4	3T	86	LEU
4	3T	93	LEU
4	3T	117	THR
4	3T	121	VAL
1	3U	15	SER
1	3U	16	THR
1	3U	21	ASN
1	3U	22	HIS
1	3U	24	VAL
1	3U	27	LYS
1	3U	31	LYS
1	3U	36	THR
1	3U	41	ILE
1	3U	43	HIS
1	3U	48	TYR
1	3U	49	LEU

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Mol	Chain	Res	Type
1	3U	52	PHE
1	3U	65	PHE
1	3U	66	ARG
1	3U	79	THR
1	3U	82	ARG
1	3U	84	ARG
1	3U	89	PHE
1	3U	90	PHE
1	3U	95	THR
1	3U	97	SER
1	3U	111	ILE
1	3U	144	VAL
1	3U	147	ARG
1	3U	148	LEU
1	3U	150	TYR
1	3U	152	SER
1	3U	154	SER
1	3U	166	MET
1	3U	171	ARG
1	3U	179	VAL
1	3U	182	PHE
2	3V	2	GLU
2	3V	6	LYS
2	3V	7	ASN
2	3V	9	VAL
2	3V	14	THR
2	3V	17	THR
2	3V	21	THR
2	3V	22	GLN
2	3V	23	HIS
2	3V	24	PRO
2	3V	25	SER
2	3V	27	PRO
2	3V	28	THR
2	3V	29	MET
2	3V	31	PHE
2	3V	36	SER
2	3V	37	ASN
2	3V	38	VAL
2	3V	39	ASP
2	3V	41	PHE
2	3V	50	THR

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Mol	Chain	Res	Type
2	3V	56	SER
2	3V	57	LYS
2	3V	58	LEU
2	3V	60	ARG
2	3V	67	THR
2	3V	68	PRO
2	3V	70	TRP
2	3V	72	ARG
2	3V	74	TYR
2	3V	76	ILE
2	3V	78	HIS
2	3V	79	VAL
2	3V	81	LEU
2	3V	114	ASN
2	3V	162	LEU
2	3V	184	LYS
2	3V	185	VAL
2	3V	191	LEU
2	3V	205	ILE
2	3V	209	LEU
2	3V	210	LEU
2	3V	215	GLN
2	3V	218	ARG
2	3V	219	VAL
2	3V	224	VAL
2	3V	227	TYR
3	3W	2	ILE
3	3W	32	THR
3	3W	33	LEU
3	3W	46	LEU
3	3W	73	LEU
3	3W	78	LEU
3	3W	83	PHE
3	3W	103	LYS
3	3W	105	GLU
4	3X	5	LEU
4	3X	12	VAL
4	3X	13[1]	GLN
4	3X	13[2]	GLN
4	3X	22	CYS
4	3X	37	ILE
4	3X	43	LYS

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Mol	Chain	Res	Type
4	3X	50	PRO
4	3X	64	VAL
4	3X	65	LYS
4	3X	71	SER
4	3X	72[1]	ARG
4	3X	72[2]	ARG
4	3X	81	LEU
4	3X	82[1]	GLN
4	3X	82[2]	GLN
4	3X	86	LEU
4	3X	93	LEU
4	3X	117	THR
4	3X	121	VAL
1	3Y	15	SER
1	3Y	16	THR
1	3Y	21	ASN
1	3Y	22	HIS
1	3Y	24	VAL
1	3Y	27	LYS
1	3Y	31	LYS
1	3Y	36	THR
1	3Y	41	ILE
1	3Y	43	HIS
1	3Y	48	TYR
1	3Y	49	LEU
1	3Y	52	PHE
1	3Y	65	PHE
1	3Y	66	ARG
1	3Y	79	THR
1	3Y	82	ARG
1	3Y	84	ARG
1	3Y	89	PHE
1	3Y	90	PHE
1	3Y	95	THR
1	3Y	97	SER
1	3Y	111	ILE
1	3Y	144	VAL
1	3Y	147	ARG
1	3Y	148	LEU
1	3Y	150	TYR
1	3Y	152	SER
1	3Y	154	SER

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Mol	Chain	Res	Type
1	3Y	166	MET
1	3Y	171	ARG
1	3Y	179	VAL
1	3Y	182	PHE
2	3Z	2	GLU
2	3Z	6	LYS
2	3Z	7	ASN
2	3Z	9	VAL
2	3Z	14	THR
2	3Z	17	THR
2	3Z	21	THR
2	3Z	22	GLN
2	3Z	23	HIS
2	3Z	24	PRO
2	3Z	25	SER
2	3Z	27	PRO
2	3Z	28	THR
2	3Z	29	MET
2	3Z	31	PHE
2	3Z	36	SER
2	3Z	37	ASN
2	3Z	38	VAL
2	3Z	39	ASP
2	3Z	41	PHE
2	3Z	50	THR
2	3Z	56	SER
2	3Z	57	LYS
2	3Z	58	LEU
2	3Z	60	ARG
2	3Z	67	THR
2	3Z	68	PRO
2	3Z	70	TRP
2	3Z	72	ARG
2	3Z	74	TYR
2	3Z	76	ILE
2	3Z	78	HIS
2	3Z	79	VAL
2	3Z	81	LEU
2	3Z	114	ASN
2	3Z	162	LEU
2	3Z	184	LYS
2	3Z	185	VAL

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Mol	Chain	Res	Type
2	3Z	191	LEU
2	3Z	205	ILE
2	3Z	209	LEU
2	3Z	210	LEU
2	3Z	215	GLN
2	3Z	218	ARG
2	3Z	219	VAL
2	3Z	224	VAL
2	3Z	227	TYR
3	30	2	ILE
3	30	32	THR
3	30	33	LEU
3	30	46	LEU
3	30	73	LEU
3	30	78	LEU
3	30	83	PHE
3	30	103	LYS
3	30	105	GLU
4	31	5	LEU
4	31	12	VAL
4	31	13[1]	GLN
4	31	13[2]	GLN
4	31	22	CYS
4	31	37	ILE
4	31	43	LYS
4	31	50	PRO
4	31	64	VAL
4	31	65	LYS
4	31	71	SER
4	31	72[1]	ARG
4	31	72[2]	ARG
4	31	81	LEU
4	31	82[1]	GLN
4	31	82[2]	GLN
4	31	86	LEU
4	31	93	LEU
4	31	117	THR
4	31	121	VAL
1	32	15	SER
1	32	16	THR
1	32	21	ASN
1	32	22	HIS

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Mol	Chain	Res	Type
1	32	24	VAL
1	32	27	LYS
1	32	31	LYS
1	32	36	THR
1	32	41	ILE
1	32	43	HIS
1	32	48	TYR
1	32	49	LEU
1	32	52	PHE
1	32	65	PHE
1	32	66	ARG
1	32	79	THR
1	32	82	ARG
1	32	84	ARG
1	32	89	PHE
1	32	90	PHE
1	32	95	THR
1	32	97	SER
1	32	111	ILE
1	32	144	VAL
1	32	147	ARG
1	32	148	LEU
1	32	150	TYR
1	32	152	SER
1	32	154	SER
1	32	166	MET
1	32	171	ARG
1	32	179	VAL
1	32	182	PHE
2	33	2	GLU
2	33	6	LYS
2	33	7	ASN
2	33	9	VAL
2	33	14	THR
2	33	17	THR
2	33	21	THR
2	33	22	GLN
2	33	23	HIS
2	33	24	PRO
2	33	25	SER
2	33	27	PRO
2	33	28	THR

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Mol	Chain	Res	Type
2	33	29	MET
2	33	31	PHE
2	33	36	SER
2	33	37	ASN
2	33	38	VAL
2	33	39	ASP
2	33	41	PHE
2	33	50	THR
2	33	56	SER
2	33	57	LYS
2	33	58	LEU
2	33	60	ARG
2	33	67	THR
2	33	68	PRO
2	33	70	TRP
2	33	72	ARG
2	33	74	TYR
2	33	76	ILE
2	33	78	HIS
2	33	79	VAL
2	33	81	LEU
2	33	114	ASN
2	33	162	LEU
2	33	184	LYS
2	33	185	VAL
2	33	191	LEU
2	33	205	ILE
2	33	209	LEU
2	33	210	LEU
2	33	215	GLN
2	33	218	ARG
2	33	219	VAL
2	33	224	VAL
2	33	227	TYR
3	34	2	ILE
3	34	32	THR
3	34	33	LEU
3	34	46	LEU
3	34	73	LEU
3	34	78	LEU
3	34	83	PHE
3	34	103	LYS

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Mol	Chain	Res	Type
3	34	105	GLU
4	35	5	LEU
4	35	12	VAL
4	35	13[1]	GLN
4	35	13[2]	GLN
4	35	22	CYS
4	35	37	ILE
4	35	43	LYS
4	35	50	PRO
4	35	64	VAL
4	35	65	LYS
4	35	71	SER
4	35	72[1]	ARG
4	35	72[2]	ARG
4	35	81	LEU
4	35	82[1]	GLN
4	35	82[2]	GLN
4	35	86	LEU
4	35	93	LEU
4	35	117	THR
4	35	121	VAL
1	36	15	SER
1	36	16	THR
1	36	21	ASN
1	36	22	HIS
1	36	24	VAL
1	36	27	LYS
1	36	31	LYS
1	36	36	THR
1	36	41	ILE
1	36	43	HIS
1	36	48	TYR
1	36	49	LEU
1	36	65	PHE
1	36	66	ARG
1	36	79	THR
1	36	82	ARG
1	36	84	ARG
1	36	89	PHE
1	36	90	PHE
1	36	95	THR
1	36	97	SER

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Mol	Chain	Res	Type
1	36	111	ILE
1	36	144	VAL
1	36	147	ARG
1	36	148	LEU
1	36	150	TYR
1	36	152	SER
1	36	154	SER
1	36	166	MET
1	36	171	ARG
1	36	179	VAL
1	36	182	PHE
2	37	2	GLU
2	37	6	LYS
2	37	7	ASN
2	37	9	VAL
2	37	14	THR
2	37	17	THR
2	37	21	THR
2	37	22	GLN
2	37	23	HIS
2	37	24	PRO
2	37	25	SER
2	37	27	PRO
2	37	28	THR
2	37	29	MET
2	37	31	PHE
2	37	36	SER
2	37	37	ASN
2	37	38	VAL
2	37	39	ASP
2	37	41	PHE
2	37	50	THR
2	37	56	SER
2	37	57	LYS
2	37	58	LEU
2	37	60	ARG
2	37	67	THR
2	37	68	PRO
2	37	70	TRP
2	37	72	ARG
2	37	74	TYR
2	37	76	ILE

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Mol	Chain	Res	Type
2	37	78	HIS
2	37	79	VAL
2	37	81	LEU
2	37	114	ASN
2	37	162	LEU
2	37	184	LYS
2	37	185	VAL
2	37	191	LEU
2	37	205	ILE
2	37	209	LEU
2	37	210	LEU
2	37	215	GLN
2	37	218	ARG
2	37	219	VAL
2	37	224	VAL
2	37	227	TYR
3	38	2	ILE
3	38	32	THR
3	38	33	LEU
3	38	46	LEU
3	38	73	LEU
3	38	78	LEU
3	38	83	PHE
3	38	103	LYS
3	38	105	GLU
4	39	5	LEU
4	39	12	VAL
4	39	13[1]	GLN
4	39	13[2]	GLN
4	39	22	CYS
4	39	37	ILE
4	39	43	LYS
4	39	50	PRO
4	39	64	VAL
4	39	65	LYS
4	39	71	SER
4	39	72[1]	ARG
4	39	72[2]	ARG
4	39	81	LEU
4	39	82[1]	GLN
4	39	82[2]	GLN
4	39	86	LEU

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Mol	Chain	Res	Type
4	39	93	LEU
4	39	117	THR
4	39	121	VAL
1	4A	15	SER
1	4A	16	THR
1	4A	21	ASN
1	4A	22	HIS
1	4A	24	VAL
1	4A	27	LYS
1	4A	31	LYS
1	4A	36	THR
1	4A	41	ILE
1	4A	43	HIS
1	4A	48	TYR
1	4A	49	LEU
1	4A	65	PHE
1	4A	66	ARG
1	4A	79	THR
1	4A	82	ARG
1	4A	84	ARG
1	4A	89	PHE
1	4A	90	PHE
1	4A	95	THR
1	4A	97	SER
1	4A	111	ILE
1	4A	144	VAL
1	4A	147	ARG
1	4A	148	LEU
1	4A	150	TYR
1	4A	152	SER
1	4A	154	SER
1	4A	166	MET
1	4A	171	ARG
1	4A	179	VAL
1	4A	182	PHE
2	4B	2	GLU
2	4B	6	LYS
2	4B	7	ASN
2	4B	9	VAL
2	4B	14	THR
2	4B	17	THR
2	4B	21	THR

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Mol	Chain	Res	Type
2	4B	22	GLN
2	4B	23	HIS
2	4B	24	PRO
2	4B	25	SER
2	4B	27	PRO
2	4B	28	THR
2	4B	29	MET
2	4B	31	PHE
2	4B	36	SER
2	4B	37	ASN
2	4B	38	VAL
2	4B	39	ASP
2	4B	41	PHE
2	4B	50	THR
2	4B	56	SER
2	4B	57	LYS
2	4B	58	LEU
2	4B	60	ARG
2	4B	67	THR
2	4B	68	PRO
2	4B	70	TRP
2	4B	72	ARG
2	4B	74	TYR
2	4B	76	ILE
2	4B	78	HIS
2	4B	79	VAL
2	4B	81	LEU
2	4B	114	ASN
2	4B	162	LEU
2	4B	184	LYS
2	4B	185	VAL
2	4B	191	LEU
2	4B	205	ILE
2	4B	209	LEU
2	4B	210	LEU
2	4B	215	GLN
2	4B	218	ARG
2	4B	219	VAL
2	4B	224	VAL
2	4B	227	TYR
3	4C	2	ILE
3	4C	32	THR

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Mol	Chain	Res	Type
3	4C	33	LEU
3	4C	46	LEU
3	4C	73	LEU
3	4C	78	LEU
3	4C	83	PHE
3	4C	103	LYS
3	4C	105	GLU
4	4D	5	LEU
4	4D	12	VAL
4	4D	13[1]	GLN
4	4D	13[2]	GLN
4	4D	22	CYS
4	4D	37	ILE
4	4D	43	LYS
4	4D	50	PRO
4	4D	64	VAL
4	4D	65	LYS
4	4D	71	SER
4	4D	72[1]	ARG
4	4D	72[2]	ARG
4	4D	81	LEU
4	4D	82[1]	GLN
4	4D	82[2]	GLN
4	4D	86	LEU
4	4D	93	LEU
4	4D	117	THR
4	4D	121	VAL
1	4E	15	SER
1	4E	16	THR
1	4E	21	ASN
1	4E	22	HIS
1	4E	24	VAL
1	4E	27	LYS
1	4E	31	LYS
1	4E	36	THR
1	4E	41	ILE
1	4E	43	HIS
1	4E	48	TYR
1	4E	49	LEU
1	4E	52	PHE
1	4E	65	PHE
1	4E	66	ARG

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Mol	Chain	Res	Type
1	4E	79	THR
1	4E	82	ARG
1	4E	84	ARG
1	4E	89	PHE
1	4E	90	PHE
1	4E	95	THR
1	4E	97	SER
1	4E	111	ILE
1	4E	144	VAL
1	4E	147	ARG
1	4E	148	LEU
1	4E	150	TYR
1	4E	152	SER
1	4E	154	SER
1	4E	166	MET
1	4E	171	ARG
1	4E	179	VAL
1	4E	182	PHE
2	4F	2	GLU
2	4F	6	LYS
2	4F	7	ASN
2	4F	9	VAL
2	4F	14	THR
2	4F	17	THR
2	4F	21	THR
2	4F	22	GLN
2	4F	23	HIS
2	4F	24	PRO
2	4F	25	SER
2	4F	27	PRO
2	4F	28	THR
2	4F	29	MET
2	4F	31	PHE
2	4F	36	SER
2	4F	37	ASN
2	4F	38	VAL
2	4F	39	ASP
2	4F	41	PHE
2	4F	50	THR
2	4F	56	SER
2	4F	57	LYS
2	4F	58	LEU

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Mol	Chain	Res	Type
2	4F	60	ARG
2	4F	67	THR
2	4F	68	PRO
2	4F	70	TRP
2	4F	72	ARG
2	4F	74	TYR
2	4F	76	ILE
2	4F	78	HIS
2	4F	79	VAL
2	4F	81	LEU
2	4F	114	ASN
2	4F	162	LEU
2	4F	184	LYS
2	4F	185	VAL
2	4F	191	LEU
2	4F	205	ILE
2	4F	209	LEU
2	4F	210	LEU
2	4F	215	GLN
2	4F	218	ARG
2	4F	219	VAL
2	4F	224	VAL
2	4F	227	TYR
3	4G	2	ILE
3	4G	32	THR
3	4G	33	LEU
3	4G	46	LEU
3	4G	73	LEU
3	4G	78	LEU
3	4G	83	PHE
3	4G	103	LYS
3	4G	105	GLU
4	4H	5	LEU
4	4H	12	VAL
4	4H	13[1]	GLN
4	4H	13[2]	GLN
4	4H	22	CYS
4	4H	37	ILE
4	4H	43	LYS
4	4H	50	PRO
4	4H	64	VAL
4	4H	65	LYS

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Mol	Chain	Res	Type
4	4H	71	SER
4	4H	72[1]	ARG
4	4H	72[2]	ARG
4	4H	81	LEU
4	4H	82[1]	GLN
4	4H	82[2]	GLN
4	4H	86	LEU
4	4H	93	LEU
4	4H	117	THR
4	4H	121	VAL
1	4I	15	SER
1	4I	16	THR
1	4I	21	ASN
1	4I	22	HIS
1	4I	24	VAL
1	4I	27	LYS
1	4I	31	LYS
1	4I	36	THR
1	4I	41	ILE
1	4I	43	HIS
1	4I	48	TYR
1	4I	49	LEU
1	4I	65	PHE
1	4I	66	ARG
1	4I	79	THR
1	4I	82	ARG
1	4I	84	ARG
1	4I	89	PHE
1	4I	90	PHE
1	4I	95	THR
1	4I	97	SER
1	4I	111	ILE
1	4I	144	VAL
1	4I	147	ARG
1	4I	148	LEU
1	4I	150	TYR
1	4I	152	SER
1	4I	154	SER
1	4I	166	MET
1	4I	171	ARG
1	4I	179	VAL
1	4I	182	PHE

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Mol	Chain	Res	Type
2	4J	2	GLU
2	4J	6	LYS
2	4J	7	ASN
2	4J	9	VAL
2	4J	14	THR
2	4J	17	THR
2	4J	21	THR
2	4J	22	GLN
2	4J	23	HIS
2	4J	24	PRO
2	4J	25	SER
2	4J	27	PRO
2	4J	28	THR
2	4J	29	MET
2	4J	31	PHE
2	4J	36	SER
2	4J	37	ASN
2	4J	38	VAL
2	4J	39	ASP
2	4J	41	PHE
2	4J	50	THR
2	4J	56	SER
2	4J	57	LYS
2	4J	58	LEU
2	4J	60	ARG
2	4J	67	THR
2	4J	68	PRO
2	4J	70	TRP
2	4J	72	ARG
2	4J	74	TYR
2	4J	76	ILE
2	4J	78	HIS
2	4J	79	VAL
2	4J	81	LEU
2	4J	114	ASN
2	4J	162	LEU
2	4J	184	LYS
2	4J	185	VAL
2	4J	191	LEU
2	4J	205	ILE
2	4J	209	LEU
2	4J	210	LEU

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Mol	Chain	Res	Type
2	4J	215	GLN
2	4J	218	ARG
2	4J	219	VAL
2	4J	224	VAL
2	4J	227	TYR
3	4K	2	ILE
3	4K	32	THR
3	4K	33	LEU
3	4K	46	LEU
3	4K	73	LEU
3	4K	78	LEU
3	4K	83	PHE
3	4K	103	LYS
3	4K	105	GLU
4	4L	5	LEU
4	4L	12	VAL
4	4L	13[1]	GLN
4	4L	13[2]	GLN
4	4L	22	CYS
4	4L	37	ILE
4	4L	43	LYS
4	4L	50	PRO
4	4L	64	VAL
4	4L	65	LYS
4	4L	71	SER
4	4L	72[1]	ARG
4	4L	72[2]	ARG
4	4L	81	LEU
4	4L	82[1]	GLN
4	4L	82[2]	GLN
4	4L	86	LEU
4	4L	93	LEU
4	4L	117	THR
4	4L	121	VAL
1	4M	15	SER
1	4M	16	THR
1	4M	21	ASN
1	4M	22	HIS
1	4M	24	VAL
1	4M	27	LYS
1	4M	31	LYS
1	4M	36	THR

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Mol	Chain	Res	Type
1	4M	41	ILE
1	4M	43	HIS
1	4M	48	TYR
1	4M	49	LEU
1	4M	65	PHE
1	4M	66	ARG
1	4M	79	THR
1	4M	82	ARG
1	4M	84	ARG
1	4M	89	PHE
1	4M	90	PHE
1	4M	95	THR
1	4M	97	SER
1	4M	111	ILE
1	4M	144	VAL
1	4M	147	ARG
1	4M	148	LEU
1	4M	150	TYR
1	4M	152	SER
1	4M	154	SER
1	4M	166	MET
1	4M	171	ARG
1	4M	179	VAL
1	4M	182	PHE
2	4N	2	GLU
2	4N	6	LYS
2	4N	7	ASN
2	4N	9	VAL
2	4N	14	THR
2	4N	17	THR
2	4N	21	THR
2	4N	22	GLN
2	4N	23	HIS
2	4N	24	PRO
2	4N	25	SER
2	4N	27	PRO
2	4N	28	THR
2	4N	29	MET
2	4N	31	PHE
2	4N	36	SER
2	4N	37	ASN
2	4N	38	VAL

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Mol	Chain	Res	Type
2	4N	39	ASP
2	4N	41	PHE
2	4N	50	THR
2	4N	56	SER
2	4N	57	LYS
2	4N	58	LEU
2	4N	60	ARG
2	4N	67	THR
2	4N	68	PRO
2	4N	70	TRP
2	4N	72	ARG
2	4N	74	TYR
2	4N	76	ILE
2	4N	78	HIS
2	4N	79	VAL
2	4N	81	LEU
2	4N	114	ASN
2	4N	162	LEU
2	4N	184	LYS
2	4N	185	VAL
2	4N	191	LEU
2	4N	205	ILE
2	4N	209	LEU
2	4N	210	LEU
2	4N	215	GLN
2	4N	218	ARG
2	4N	219	VAL
2	4N	224	VAL
2	4N	227	TYR
3	4O	2	ILE
3	4O	32	THR
3	4O	33	LEU
3	4O	46	LEU
3	4O	73	LEU
3	4O	78	LEU
3	4O	83	PHE
3	4O	103	LYS
3	4O	105	GLU
4	4P	5	LEU
4	4P	12	VAL
4	4P	13[1]	GLN
4	4P	13[2]	GLN

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Mol	Chain	Res	Type
4	4P	22	CYS
4	4P	37	ILE
4	4P	43	LYS
4	4P	50	PRO
4	4P	64	VAL
4	4P	65	LYS
4	4P	71	SER
4	4P	72[1]	ARG
4	4P	72[2]	ARG
4	4P	81	LEU
4	4P	82[1]	GLN
4	4P	82[2]	GLN
4	4P	86	LEU
4	4P	93	LEU
4	4P	117	THR
4	4P	121	VAL
1	4Q	15	SER
1	4Q	16	THR
1	4Q	21	ASN
1	4Q	22	HIS
1	4Q	24	VAL
1	4Q	27	LYS
1	4Q	31	LYS
1	4Q	36	THR
1	4Q	41	ILE
1	4Q	43	HIS
1	4Q	48	TYR
1	4Q	49	LEU
1	4Q	65	PHE
1	4Q	66	ARG
1	4Q	79	THR
1	4Q	82	ARG
1	4Q	84	ARG
1	4Q	89	PHE
1	4Q	90	PHE
1	4Q	95	THR
1	4Q	97	SER
1	4Q	111	ILE
1	4Q	144	VAL
1	4Q	147	ARG
1	4Q	148	LEU
1	4Q	150	TYR

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Mol	Chain	Res	Type
1	4Q	152	SER
1	4Q	154	SER
1	4Q	166	MET
1	4Q	171	ARG
1	4Q	179	VAL
1	4Q	182	PHE
2	4R	2	GLU
2	4R	6	LYS
2	4R	7	ASN
2	4R	9	VAL
2	4R	14	THR
2	4R	17	THR
2	4R	21	THR
2	4R	22	GLN
2	4R	23	HIS
2	4R	24	PRO
2	4R	25	SER
2	4R	27	PRO
2	4R	28	THR
2	4R	29	MET
2	4R	31	PHE
2	4R	36	SER
2	4R	37	ASN
2	4R	38	VAL
2	4R	39	ASP
2	4R	41	PHE
2	4R	50	THR
2	4R	56	SER
2	4R	57	LYS
2	4R	58	LEU
2	4R	60	ARG
2	4R	67	THR
2	4R	68	PRO
2	4R	70	TRP
2	4R	72	ARG
2	4R	74	TYR
2	4R	76	ILE
2	4R	78	HIS
2	4R	79	VAL
2	4R	81	LEU
2	4R	114	ASN
2	4R	162	LEU

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Mol	Chain	Res	Type
2	4R	184	LYS
2	4R	185	VAL
2	4R	191	LEU
2	4R	205	ILE
2	4R	209	LEU
2	4R	210	LEU
2	4R	215	GLN
2	4R	218	ARG
2	4R	219	VAL
2	4R	224	VAL
2	4R	227	TYR
3	4S	2	ILE
3	4S	32	THR
3	4S	33	LEU
3	4S	46	LEU
3	4S	73	LEU
3	4S	78	LEU
3	4S	83	PHE
3	4S	103	LYS
3	4S	105	GLU
4	4T	5	LEU
4	4T	12	VAL
4	4T	13[1]	GLN
4	4T	13[2]	GLN
4	4T	22	CYS
4	4T	37	ILE
4	4T	43	LYS
4	4T	50	PRO
4	4T	64	VAL
4	4T	65	LYS
4	4T	71	SER
4	4T	72[1]	ARG
4	4T	72[2]	ARG
4	4T	81	LEU
4	4T	82[1]	GLN
4	4T	82[2]	GLN
4	4T	86	LEU
4	4T	93	LEU
4	4T	117	THR
4	4T	121	VAL
1	4U	15	SER
1	4U	16	THR

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Mol	Chain	Res	Type
1	4U	21	ASN
1	4U	22	HIS
1	4U	24	VAL
1	4U	27	LYS
1	4U	31	LYS
1	4U	36	THR
1	4U	41	ILE
1	4U	43	HIS
1	4U	48	TYR
1	4U	49	LEU
1	4U	65	PHE
1	4U	66	ARG
1	4U	79	THR
1	4U	82	ARG
1	4U	84	ARG
1	4U	89	PHE
1	4U	90	PHE
1	4U	95	THR
1	4U	97	SER
1	4U	111	ILE
1	4U	144	VAL
1	4U	147	ARG
1	4U	148	LEU
1	4U	150	TYR
1	4U	152	SER
1	4U	154	SER
1	4U	166	MET
1	4U	171	ARG
1	4U	179	VAL
1	4U	182	PHE
2	4V	2	GLU
2	4V	6	LYS
2	4V	7	ASN
2	4V	9	VAL
2	4V	14	THR
2	4V	17	THR
2	4V	21	THR
2	4V	22	GLN
2	4V	23	HIS
2	4V	24	PRO
2	4V	25	SER
2	4V	27	PRO

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Mol	Chain	Res	Type
2	4V	28	THR
2	4V	29	MET
2	4V	31	PHE
2	4V	36	SER
2	4V	37	ASN
2	4V	38	VAL
2	4V	39	ASP
2	4V	41	PHE
2	4V	50	THR
2	4V	56	SER
2	4V	57	LYS
2	4V	58	LEU
2	4V	60	ARG
2	4V	67	THR
2	4V	68	PRO
2	4V	70	TRP
2	4V	72	ARG
2	4V	74	TYR
2	4V	76	ILE
2	4V	78	HIS
2	4V	79	VAL
2	4V	81	LEU
2	4V	114	ASN
2	4V	162	LEU
2	4V	184	LYS
2	4V	185	VAL
2	4V	191	LEU
2	4V	205	ILE
2	4V	209	LEU
2	4V	210	LEU
2	4V	215	GLN
2	4V	218	ARG
2	4V	219	VAL
2	4V	224	VAL
2	4V	227	TYR
3	4W	2	ILE
3	4W	32	THR
3	4W	33	LEU
3	4W	46	LEU
3	4W	73	LEU
3	4W	78	LEU
3	4W	83	PHE

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Mol	Chain	Res	Type
3	4W	103	LYS
3	4W	105	GLU
4	4X	5	LEU
4	4X	12	VAL
4	4X	13[1]	GLN
4	4X	13[2]	GLN
4	4X	22	CYS
4	4X	37	ILE
4	4X	43	LYS
4	4X	50	PRO
4	4X	64	VAL
4	4X	65	LYS
4	4X	71	SER
4	4X	72[1]	ARG
4	4X	72[2]	ARG
4	4X	81	LEU
4	4X	82[1]	GLN
4	4X	82[2]	GLN
4	4X	86	LEU
4	4X	93	LEU
4	4X	117	THR
4	4X	121	VAL
1	4Y	15	SER
1	4Y	16	THR
1	4Y	21	ASN
1	4Y	22	HIS
1	4Y	24	VAL
1	4Y	27	LYS
1	4Y	31	LYS
1	4Y	36	THR
1	4Y	41	ILE
1	4Y	43	HIS
1	4Y	48	TYR
1	4Y	49	LEU
1	4Y	52	PHE
1	4Y	65	PHE
1	4Y	66	ARG
1	4Y	79	THR
1	4Y	82	ARG
1	4Y	84	ARG
1	4Y	89	PHE
1	4Y	90	PHE

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Mol	Chain	Res	Type
1	4Y	95	THR
1	4Y	97	SER
1	4Y	111	ILE
1	4Y	144	VAL
1	4Y	147	ARG
1	4Y	148	LEU
1	4Y	150	TYR
1	4Y	152	SER
1	4Y	154	SER
1	4Y	166	MET
1	4Y	171	ARG
1	4Y	179	VAL
1	4Y	182	PHE
2	4Z	2	GLU
2	4Z	6	LYS
2	4Z	7	ASN
2	4Z	9	VAL
2	4Z	14	THR
2	4Z	17	THR
2	4Z	21	THR
2	4Z	22	GLN
2	4Z	23	HIS
2	4Z	24	PRO
2	4Z	25	SER
2	4Z	27	PRO
2	4Z	28	THR
2	4Z	29	MET
2	4Z	31	PHE
2	4Z	36	SER
2	4Z	37	ASN
2	4Z	38	VAL
2	4Z	39	ASP
2	4Z	41	PHE
2	4Z	50	THR
2	4Z	56	SER
2	4Z	57	LYS
2	4Z	58	LEU
2	4Z	60	ARG
2	4Z	67	THR
2	4Z	68	PRO
2	4Z	70	TRP
2	4Z	72	ARG

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Mol	Chain	Res	Type
2	4Z	74	TYR
2	4Z	76	ILE
2	4Z	78	HIS
2	4Z	79	VAL
2	4Z	81	LEU
2	4Z	114	ASN
2	4Z	162	LEU
2	4Z	184	LYS
2	4Z	185	VAL
2	4Z	191	LEU
2	4Z	205	ILE
2	4Z	209	LEU
2	4Z	210	LEU
2	4Z	215	GLN
2	4Z	218	ARG
2	4Z	219	VAL
2	4Z	224	VAL
2	4Z	227	TYR
3	40	2	ILE
3	40	32	THR
3	40	33	LEU
3	40	46	LEU
3	40	73	LEU
3	40	78	LEU
3	40	83	PHE
3	40	103	LYS
3	40	105	GLU
4	41	5	LEU
4	41	12	VAL
4	41	13[1]	GLN
4	41	13[2]	GLN
4	41	22	CYS
4	41	37	ILE
4	41	43	LYS
4	41	50	PRO
4	41	64	VAL
4	41	65	LYS
4	41	71	SER
4	41	72[1]	ARG
4	41	72[2]	ARG
4	41	81	LEU
4	41	82[1]	GLN

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Mol	Chain	Res	Type
4	41	82[2]	GLN
4	41	86	LEU
4	41	93	LEU
4	41	117	THR
4	41	121	VAL
1	42	15	SER
1	42	16	THR
1	42	21	ASN
1	42	22	HIS
1	42	24	VAL
1	42	27	LYS
1	42	31	LYS
1	42	36	THR
1	42	41	ILE
1	42	43	HIS
1	42	48	TYR
1	42	49	LEU
1	42	65	PHE
1	42	66	ARG
1	42	79	THR
1	42	82	ARG
1	42	84	ARG
1	42	89	PHE
1	42	90	PHE
1	42	95	THR
1	42	97	SER
1	42	111	ILE
1	42	144	VAL
1	42	147	ARG
1	42	148	LEU
1	42	150	TYR
1	42	152	SER
1	42	154	SER
1	42	166	MET
1	42	171	ARG
1	42	179	VAL
1	42	182	PHE
2	43	2	GLU
2	43	6	LYS
2	43	7	ASN
2	43	9	VAL
2	43	14	THR

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Mol	Chain	Res	Type
2	43	17	THR
2	43	21	THR
2	43	22	GLN
2	43	23	HIS
2	43	24	PRO
2	43	25	SER
2	43	27	PRO
2	43	28	THR
2	43	29	MET
2	43	31	PHE
2	43	36	SER
2	43	37	ASN
2	43	38	VAL
2	43	39	ASP
2	43	41	PHE
2	43	50	THR
2	43	56	SER
2	43	57	LYS
2	43	58	LEU
2	43	60	ARG
2	43	67	THR
2	43	68	PRO
2	43	70	TRP
2	43	72	ARG
2	43	74	TYR
2	43	76	ILE
2	43	78	HIS
2	43	79	VAL
2	43	81	LEU
2	43	114	ASN
2	43	162	LEU
2	43	184	LYS
2	43	185	VAL
2	43	191	LEU
2	43	205	ILE
2	43	209	LEU
2	43	210	LEU
2	43	215	GLN
2	43	218	ARG
2	43	219	VAL
2	43	224	VAL
2	43	227	TYR

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Mol	Chain	Res	Type
3	44	2	ILE
3	44	32	THR
3	44	33	LEU
3	44	46	LEU
3	44	73	LEU
3	44	78	LEU
3	44	83	PHE
3	44	103	LYS
3	44	105	GLU
4	45	5	LEU
4	45	12	VAL
4	45	13[1]	GLN
4	45	13[2]	GLN
4	45	22	CYS
4	45	37	ILE
4	45	43	LYS
4	45	50	PRO
4	45	64	VAL
4	45	65	LYS
4	45	71	SER
4	45	72[1]	ARG
4	45	72[2]	ARG
4	45	81	LEU
4	45	82[1]	GLN
4	45	82[2]	GLN
4	45	86	LEU
4	45	93	LEU
4	45	117	THR
4	45	121	VAL
1	46	15	SER
1	46	16	THR
1	46	21	ASN
1	46	22	HIS
1	46	24	VAL
1	46	27	LYS
1	46	31	LYS
1	46	36	THR
1	46	41	ILE
1	46	43	HIS
1	46	48	TYR
1	46	49	LEU
1	46	65	PHE

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Mol	Chain	Res	Type
1	46	66	ARG
1	46	79	THR
1	46	82	ARG
1	46	84	ARG
1	46	89	PHE
1	46	90	PHE
1	46	95	THR
1	46	97	SER
1	46	111	ILE
1	46	144	VAL
1	46	147	ARG
1	46	148	LEU
1	46	150	TYR
1	46	152	SER
1	46	154	SER
1	46	166	MET
1	46	171	ARG
1	46	179	VAL
1	46	182	PHE
2	47	2	GLU
2	47	6	LYS
2	47	7	ASN
2	47	9	VAL
2	47	14	THR
2	47	17	THR
2	47	21	THR
2	47	22	GLN
2	47	23	HIS
2	47	24	PRO
2	47	25	SER
2	47	27	PRO
2	47	28	THR
2	47	29	MET
2	47	31	PHE
2	47	36	SER
2	47	37	ASN
2	47	38	VAL
2	47	39	ASP
2	47	41	PHE
2	47	50	THR
2	47	56	SER
2	47	57	LYS

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Mol	Chain	Res	Type
2	47	58	LEU
2	47	60	ARG
2	47	67	THR
2	47	68	PRO
2	47	70	TRP
2	47	72	ARG
2	47	74	TYR
2	47	76	ILE
2	47	78	HIS
2	47	79	VAL
2	47	81	LEU
2	47	114	ASN
2	47	162	LEU
2	47	184	LYS
2	47	185	VAL
2	47	191	LEU
2	47	205	ILE
2	47	209	LEU
2	47	210	LEU
2	47	215	GLN
2	47	218	ARG
2	47	219	VAL
2	47	224	VAL
2	47	227	TYR
3	48	2	ILE
3	48	32	THR
3	48	33	LEU
3	48	46	LEU
3	48	73	LEU
3	48	78	LEU
3	48	83	PHE
3	48	103	LYS
3	48	105	GLU
4	49	5	LEU
4	49	12	VAL
4	49	13[1]	GLN
4	49	13[2]	GLN
4	49	22	CYS
4	49	37	ILE
4	49	43	LYS
4	49	50	PRO
4	49	64	VAL

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Mol	Chain	Res	Type
4	49	65	LYS
4	49	71	SER
4	49	72[1]	ARG
4	49	72[2]	ARG
4	49	81	LEU
4	49	82[1]	GLN
4	49	82[2]	GLN
4	49	86	LEU
4	49	93	LEU
4	49	117	THR
4	49	121	VAL
1	5A	15	SER
1	5A	16	THR
1	5A	21	ASN
1	5A	22	HIS
1	5A	24	VAL
1	5A	27	LYS
1	5A	31	LYS
1	5A	36	THR
1	5A	41	ILE
1	5A	43	HIS
1	5A	48	TYR
1	5A	49	LEU
1	5A	65	PHE
1	5A	66	ARG
1	5A	79	THR
1	5A	82	ARG
1	5A	84	ARG
1	5A	89	PHE
1	5A	90	PHE
1	5A	95	THR
1	5A	97	SER
1	5A	111	ILE
1	5A	144	VAL
1	5A	147	ARG
1	5A	148	LEU
1	5A	150	TYR
1	5A	152	SER
1	5A	154	SER
1	5A	166	MET
1	5A	171	ARG
1	5A	179	VAL

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Mol	Chain	Res	Type
1	5A	182	PHE
2	5B	2	GLU
2	5B	6	LYS
2	5B	7	ASN
2	5B	9	VAL
2	5B	14	THR
2	5B	17	THR
2	5B	21	THR
2	5B	22	GLN
2	5B	23	HIS
2	5B	24	PRO
2	5B	25	SER
2	5B	27	PRO
2	5B	28	THR
2	5B	29	MET
2	5B	31	PHE
2	5B	36	SER
2	5B	37	ASN
2	5B	38	VAL
2	5B	39	ASP
2	5B	41	PHE
2	5B	50	THR
2	5B	56	SER
2	5B	57	LYS
2	5B	58	LEU
2	5B	60	ARG
2	5B	67	THR
2	5B	68	PRO
2	5B	70	TRP
2	5B	72	ARG
2	5B	74	TYR
2	5B	76	ILE
2	5B	78	HIS
2	5B	79	VAL
2	5B	81	LEU
2	5B	114	ASN
2	5B	162	LEU
2	5B	184	LYS
2	5B	185	VAL
2	5B	191	LEU
2	5B	205	ILE
2	5B	209	LEU

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Mol	Chain	Res	Type
2	5B	210	LEU
2	5B	215	GLN
2	5B	218	ARG
2	5B	219	VAL
2	5B	224	VAL
2	5B	227	TYR
3	5C	2	ILE
3	5C	32	THR
3	5C	33	LEU
3	5C	46	LEU
3	5C	73	LEU
3	5C	78	LEU
3	5C	83	PHE
3	5C	103	LYS
3	5C	105	GLU
4	5D	5	LEU
4	5D	12	VAL
4	5D	13[1]	GLN
4	5D	13[2]	GLN
4	5D	22	CYS
4	5D	37	ILE
4	5D	43	LYS
4	5D	50	PRO
4	5D	64	VAL
4	5D	65	LYS
4	5D	71	SER
4	5D	72[1]	ARG
4	5D	72[2]	ARG
4	5D	81	LEU
4	5D	82[1]	GLN
4	5D	82[2]	GLN
4	5D	86	LEU
4	5D	93	LEU
4	5D	117	THR
4	5D	121	VAL
1	5E	15	SER
1	5E	16	THR
1	5E	21	ASN
1	5E	22	HIS
1	5E	24	VAL
1	5E	27	LYS
1	5E	31	LYS

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Mol	Chain	Res	Type
1	5E	36	THR
1	5E	41	ILE
1	5E	43	HIS
1	5E	48	TYR
1	5E	49	LEU
1	5E	52	PHE
1	5E	65	PHE
1	5E	66	ARG
1	5E	79	THR
1	5E	82	ARG
1	5E	84	ARG
1	5E	89	PHE
1	5E	90	PHE
1	5E	95	THR
1	5E	97	SER
1	5E	111	ILE
1	5E	144	VAL
1	5E	147	ARG
1	5E	148	LEU
1	5E	150	TYR
1	5E	152	SER
1	5E	154	SER
1	5E	166	MET
1	5E	171	ARG
1	5E	179	VAL
1	5E	182	PHE
2	5F	2	GLU
2	5F	6	LYS
2	5F	7	ASN
2	5F	9	VAL
2	5F	14	THR
2	5F	17	THR
2	5F	21	THR
2	5F	22	GLN
2	5F	23	HIS
2	5F	24	PRO
2	5F	25	SER
2	5F	27	PRO
2	5F	28	THR
2	5F	29	MET
2	5F	31	PHE
2	5F	36	SER

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Mol	Chain	Res	Type
2	5F	37	ASN
2	5F	38	VAL
2	5F	39	ASP
2	5F	41	PHE
2	5F	50	THR
2	5F	56	SER
2	5F	57	LYS
2	5F	58	LEU
2	5F	60	ARG
2	5F	67	THR
2	5F	68	PRO
2	5F	70	TRP
2	5F	72	ARG
2	5F	74	TYR
2	5F	76	ILE
2	5F	78	HIS
2	5F	79	VAL
2	5F	81	LEU
2	5F	114	ASN
2	5F	162	LEU
2	5F	184	LYS
2	5F	185	VAL
2	5F	191	LEU
2	5F	205	ILE
2	5F	209	LEU
2	5F	210	LEU
2	5F	215	GLN
2	5F	218	ARG
2	5F	219	VAL
2	5F	224	VAL
2	5F	227	TYR
3	5G	2	ILE
3	5G	32	THR
3	5G	33	LEU
3	5G	46	LEU
3	5G	73	LEU
3	5G	78	LEU
3	5G	83	PHE
3	5G	103	LYS
3	5G	105	GLU
4	5H	5	LEU
4	5H	12	VAL

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Mol	Chain	Res	Type
4	5H	13[1]	GLN
4	5H	13[2]	GLN
4	5H	22	CYS
4	5H	37	ILE
4	5H	43	LYS
4	5H	50	PRO
4	5H	64	VAL
4	5H	65	LYS
4	5H	71	SER
4	5H	72[1]	ARG
4	5H	72[2]	ARG
4	5H	81	LEU
4	5H	82[1]	GLN
4	5H	82[2]	GLN
4	5H	86	LEU
4	5H	93	LEU
4	5H	117	THR
4	5H	121	VAL
1	5I	15	SER
1	5I	16	THR
1	5I	21	ASN
1	5I	22	HIS
1	5I	24	VAL
1	5I	27	LYS
1	5I	31	LYS
1	5I	36	THR
1	5I	41	ILE
1	5I	43	HIS
1	5I	48	TYR
1	5I	49	LEU
1	5I	52	PHE
1	5I	65	PHE
1	5I	66	ARG
1	5I	79	THR
1	5I	82	ARG
1	5I	84	ARG
1	5I	89	PHE
1	5I	90	PHE
1	5I	95	THR
1	5I	97	SER
1	5I	111	ILE
1	5I	144	VAL

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Mol	Chain	Res	Type
1	5I	147	ARG
1	5I	148	LEU
1	5I	150	TYR
1	5I	152	SER
1	5I	154	SER
1	5I	166	MET
1	5I	171	ARG
1	5I	179	VAL
1	5I	182	PHE
2	5J	2	GLU
2	5J	6	LYS
2	5J	7	ASN
2	5J	9	VAL
2	5J	14	THR
2	5J	17	THR
2	5J	21	THR
2	5J	22	GLN
2	5J	23	HIS
2	5J	24	PRO
2	5J	25	SER
2	5J	27	PRO
2	5J	28	THR
2	5J	29	MET
2	5J	31	PHE
2	5J	36	SER
2	5J	37	ASN
2	5J	38	VAL
2	5J	39	ASP
2	5J	41	PHE
2	5J	50	THR
2	5J	56	SER
2	5J	57	LYS
2	5J	58	LEU
2	5J	60	ARG
2	5J	67	THR
2	5J	68	PRO
2	5J	70	TRP
2	5J	72	ARG
2	5J	74	TYR
2	5J	76	ILE
2	5J	78	HIS
2	5J	79	VAL

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Mol	Chain	Res	Type
2	5J	81	LEU
2	5J	114	ASN
2	5J	162	LEU
2	5J	184	LYS
2	5J	185	VAL
2	5J	191	LEU
2	5J	205	ILE
2	5J	209	LEU
2	5J	210	LEU
2	5J	215	GLN
2	5J	218	ARG
2	5J	219	VAL
2	5J	224	VAL
2	5J	227	TYR
3	5K	2	ILE
3	5K	32	THR
3	5K	33	LEU
3	5K	46	LEU
3	5K	73	LEU
3	5K	78	LEU
3	5K	83	PHE
3	5K	103	LYS
3	5K	105	GLU
4	5L	5	LEU
4	5L	12	VAL
4	5L	13[1]	GLN
4	5L	13[2]	GLN
4	5L	22	CYS
4	5L	37	ILE
4	5L	43	LYS
4	5L	50	PRO
4	5L	64	VAL
4	5L	65	LYS
4	5L	71	SER
4	5L	72[1]	ARG
4	5L	72[2]	ARG
4	5L	81	LEU
4	5L	82[1]	GLN
4	5L	82[2]	GLN
4	5L	86	LEU
4	5L	93	LEU
4	5L	117	THR

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Mol	Chain	Res	Type
4	5L	121	VAL
1	5M	15	SER
1	5M	16	THR
1	5M	21	ASN
1	5M	22	HIS
1	5M	24	VAL
1	5M	27	LYS
1	5M	31	LYS
1	5M	36	THR
1	5M	41	ILE
1	5M	43	HIS
1	5M	48	TYR
1	5M	49	LEU
1	5M	52	PHE
1	5M	65	PHE
1	5M	66	ARG
1	5M	79	THR
1	5M	82	ARG
1	5M	84	ARG
1	5M	89	PHE
1	5M	90	PHE
1	5M	95	THR
1	5M	97	SER
1	5M	111	ILE
1	5M	144	VAL
1	5M	147	ARG
1	5M	148	LEU
1	5M	150	TYR
1	5M	152	SER
1	5M	154	SER
1	5M	166	MET
1	5M	171	ARG
1	5M	179	VAL
1	5M	182	PHE
2	5N	2	GLU
2	5N	6	LYS
2	5N	7	ASN
2	5N	9	VAL
2	5N	14	THR
2	5N	17	THR
2	5N	21	THR
2	5N	22	GLN

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Mol	Chain	Res	Type
2	5N	23	HIS
2	5N	24	PRO
2	5N	25	SER
2	5N	27	PRO
2	5N	28	THR
2	5N	29	MET
2	5N	31	PHE
2	5N	36	SER
2	5N	37	ASN
2	5N	38	VAL
2	5N	39	ASP
2	5N	41	PHE
2	5N	50	THR
2	5N	56	SER
2	5N	57	LYS
2	5N	58	LEU
2	5N	60	ARG
2	5N	67	THR
2	5N	68	PRO
2	5N	70	TRP
2	5N	72	ARG
2	5N	74	TYR
2	5N	76	ILE
2	5N	78	HIS
2	5N	79	VAL
2	5N	81	LEU
2	5N	114	ASN
2	5N	162	LEU
2	5N	184	LYS
2	5N	185	VAL
2	5N	191	LEU
2	5N	205	ILE
2	5N	209	LEU
2	5N	210	LEU
2	5N	215	GLN
2	5N	218	ARG
2	5N	219	VAL
2	5N	224	VAL
2	5N	227	TYR
3	5O	2	ILE
3	5O	32	THR
3	5O	33	LEU

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Mol	Chain	Res	Type
3	5O	46	LEU
3	5O	73	LEU
3	5O	78	LEU
3	5O	83	PHE
3	5O	103	LYS
3	5O	105	GLU
4	5P	5	LEU
4	5P	12	VAL
4	5P	13[1]	GLN
4	5P	13[2]	GLN
4	5P	22	CYS
4	5P	37	ILE
4	5P	43	LYS
4	5P	50	PRO
4	5P	64	VAL
4	5P	65	LYS
4	5P	71	SER
4	5P	72[1]	ARG
4	5P	72[2]	ARG
4	5P	81	LEU
4	5P	82[1]	GLN
4	5P	82[2]	GLN
4	5P	86	LEU
4	5P	93	LEU
4	5P	117	THR
4	5P	121	VAL
1	5Q	15	SER
1	5Q	16	THR
1	5Q	21	ASN
1	5Q	22	HIS
1	5Q	24	VAL
1	5Q	27	LYS
1	5Q	31	LYS
1	5Q	36	THR
1	5Q	41	ILE
1	5Q	43	HIS
1	5Q	48	TYR
1	5Q	49	LEU
1	5Q	65	PHE
1	5Q	66	ARG
1	5Q	79	THR
1	5Q	82	ARG

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Mol	Chain	Res	Type
1	5Q	84	ARG
1	5Q	89	PHE
1	5Q	90	PHE
1	5Q	95	THR
1	5Q	97	SER
1	5Q	111	ILE
1	5Q	144	VAL
1	5Q	147	ARG
1	5Q	148	LEU
1	5Q	150	TYR
1	5Q	152	SER
1	5Q	154	SER
1	5Q	166	MET
1	5Q	171	ARG
1	5Q	179	VAL
1	5Q	182	PHE
2	5R	2	GLU
2	5R	6	LYS
2	5R	7	ASN
2	5R	9	VAL
2	5R	14	THR
2	5R	17	THR
2	5R	21	THR
2	5R	22	GLN
2	5R	23	HIS
2	5R	24	PRO
2	5R	25	SER
2	5R	27	PRO
2	5R	28	THR
2	5R	29	MET
2	5R	31	PHE
2	5R	36	SER
2	5R	37	ASN
2	5R	38	VAL
2	5R	39	ASP
2	5R	41	PHE
2	5R	50	THR
2	5R	56	SER
2	5R	57	LYS
2	5R	58	LEU
2	5R	60	ARG
2	5R	67	THR

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Mol	Chain	Res	Type
2	5R	68	PRO
2	5R	70	TRP
2	5R	72	ARG
2	5R	74	TYR
2	5R	76	ILE
2	5R	78	HIS
2	5R	79	VAL
2	5R	81	LEU
2	5R	114	ASN
2	5R	162	LEU
2	5R	184	LYS
2	5R	185	VAL
2	5R	191	LEU
2	5R	205	ILE
2	5R	209	LEU
2	5R	210	LEU
2	5R	215	GLN
2	5R	218	ARG
2	5R	219	VAL
2	5R	224	VAL
2	5R	227	TYR
3	5S	2	ILE
3	5S	32	THR
3	5S	33	LEU
3	5S	46	LEU
3	5S	73	LEU
3	5S	78	LEU
3	5S	83	PHE
3	5S	103	LYS
3	5S	105	GLU
4	5T	5	LEU
4	5T	12	VAL
4	5T	13[1]	GLN
4	5T	13[2]	GLN
4	5T	22	CYS
4	5T	37	ILE
4	5T	43	LYS
4	5T	50	PRO
4	5T	64	VAL
4	5T	65	LYS
4	5T	71	SER
4	5T	72[1]	ARG

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Mol	Chain	Res	Type
4	5T	72[2]	ARG
4	5T	81	LEU
4	5T	82[1]	GLN
4	5T	82[2]	GLN
4	5T	86	LEU
4	5T	93	LEU
4	5T	117	THR
4	5T	121	VAL
1	5U	15	SER
1	5U	16	THR
1	5U	21	ASN
1	5U	22	HIS
1	5U	24	VAL
1	5U	27	LYS
1	5U	31	LYS
1	5U	36	THR
1	5U	41	ILE
1	5U	43	HIS
1	5U	48	TYR
1	5U	49	LEU
1	5U	52	PHE
1	5U	65	PHE
1	5U	66	ARG
1	5U	79	THR
1	5U	82	ARG
1	5U	84	ARG
1	5U	89	PHE
1	5U	90	PHE
1	5U	95	THR
1	5U	97	SER
1	5U	111	ILE
1	5U	144	VAL
1	5U	147	ARG
1	5U	148	LEU
1	5U	150	TYR
1	5U	152	SER
1	5U	154	SER
1	5U	166	MET
1	5U	171	ARG
1	5U	179	VAL
1	5U	182	PHE
2	5V	2	GLU

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Mol	Chain	Res	Type
2	5V	6	LYS
2	5V	7	ASN
2	5V	9	VAL
2	5V	14	THR
2	5V	17	THR
2	5V	21	THR
2	5V	22	GLN
2	5V	23	HIS
2	5V	24	PRO
2	5V	25	SER
2	5V	27	PRO
2	5V	28	THR
2	5V	29	MET
2	5V	31	PHE
2	5V	36	SER
2	5V	37	ASN
2	5V	38	VAL
2	5V	39	ASP
2	5V	41	PHE
2	5V	50	THR
2	5V	56	SER
2	5V	57	LYS
2	5V	58	LEU
2	5V	60	ARG
2	5V	67	THR
2	5V	68	PRO
2	5V	70	TRP
2	5V	72	ARG
2	5V	74	TYR
2	5V	76	ILE
2	5V	78	HIS
2	5V	79	VAL
2	5V	81	LEU
2	5V	114	ASN
2	5V	162	LEU
2	5V	184	LYS
2	5V	185	VAL
2	5V	191	LEU
2	5V	205	ILE
2	5V	209	LEU
2	5V	210	LEU
2	5V	215	GLN

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Mol	Chain	Res	Type
2	5V	218	ARG
2	5V	219	VAL
2	5V	224	VAL
2	5V	227	TYR
3	5W	2	ILE
3	5W	32	THR
3	5W	33	LEU
3	5W	46	LEU
3	5W	73	LEU
3	5W	78	LEU
3	5W	83	PHE
3	5W	103	LYS
3	5W	105	GLU
4	5X	5	LEU
4	5X	12	VAL
4	5X	13[1]	GLN
4	5X	13[2]	GLN
4	5X	22	CYS
4	5X	37	ILE
4	5X	43	LYS
4	5X	50	PRO
4	5X	64	VAL
4	5X	65	LYS
4	5X	71	SER
4	5X	72[1]	ARG
4	5X	72[2]	ARG
4	5X	81	LEU
4	5X	82[1]	GLN
4	5X	82[2]	GLN
4	5X	86	LEU
4	5X	93	LEU
4	5X	117	THR
4	5X	121	VAL
1	5Y	15	SER
1	5Y	16	THR
1	5Y	21	ASN
1	5Y	22	HIS
1	5Y	24	VAL
1	5Y	27	LYS
1	5Y	31	LYS
1	5Y	36	THR
1	5Y	41	ILE

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Mol	Chain	Res	Type
1	5Y	43	HIS
1	5Y	48	TYR
1	5Y	49	LEU
1	5Y	65	PHE
1	5Y	66	ARG
1	5Y	79	THR
1	5Y	82	ARG
1	5Y	84	ARG
1	5Y	89	PHE
1	5Y	90	PHE
1	5Y	95	THR
1	5Y	97	SER
1	5Y	111	ILE
1	5Y	144	VAL
1	5Y	147	ARG
1	5Y	148	LEU
1	5Y	150	TYR
1	5Y	152	SER
1	5Y	154	SER
1	5Y	166	MET
1	5Y	171	ARG
1	5Y	179	VAL
1	5Y	182	PHE
2	5Z	2	GLU
2	5Z	6	LYS
2	5Z	7	ASN
2	5Z	9	VAL
2	5Z	14	THR
2	5Z	17	THR
2	5Z	21	THR
2	5Z	22	GLN
2	5Z	23	HIS
2	5Z	24	PRO
2	5Z	25	SER
2	5Z	27	PRO
2	5Z	28	THR
2	5Z	29	MET
2	5Z	31	PHE
2	5Z	36	SER
2	5Z	37	ASN
2	5Z	38	VAL
2	5Z	39	ASP

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Mol	Chain	Res	Type
2	5Z	41	PHE
2	5Z	50	THR
2	5Z	56	SER
2	5Z	57	LYS
2	5Z	58	LEU
2	5Z	60	ARG
2	5Z	67	THR
2	5Z	68	PRO
2	5Z	70	TRP
2	5Z	72	ARG
2	5Z	74	TYR
2	5Z	76	ILE
2	5Z	78	HIS
2	5Z	79	VAL
2	5Z	81	LEU
2	5Z	114	ASN
2	5Z	162	LEU
2	5Z	184	LYS
2	5Z	185	VAL
2	5Z	191	LEU
2	5Z	205	ILE
2	5Z	209	LEU
2	5Z	210	LEU
2	5Z	215	GLN
2	5Z	218	ARG
2	5Z	219	VAL
2	5Z	224	VAL
2	5Z	227	TYR
3	50	2	ILE
3	50	32	THR
3	50	33	LEU
3	50	46	LEU
3	50	73	LEU
3	50	78	LEU
3	50	83	PHE
3	50	103	LYS
3	50	105	GLU
4	51	5	LEU
4	51	12	VAL
4	51	13[1]	GLN
4	51	13[2]	GLN
4	51	22	CYS

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Mol	Chain	Res	Type
4	51	37	ILE
4	51	43	LYS
4	51	50	PRO
4	51	64	VAL
4	51	65	LYS
4	51	71	SER
4	51	72[1]	ARG
4	51	72[2]	ARG
4	51	81	LEU
4	51	82[1]	GLN
4	51	82[2]	GLN
4	51	86	LEU
4	51	93	LEU
4	51	117	THR
4	51	121	VAL
1	52	15	SER
1	52	16	THR
1	52	21	ASN
1	52	22	HIS
1	52	24	VAL
1	52	27	LYS
1	52	31	LYS
1	52	36	THR
1	52	41	ILE
1	52	43	HIS
1	52	48	TYR
1	52	49	LEU
1	52	65	PHE
1	52	66	ARG
1	52	79	THR
1	52	82	ARG
1	52	84	ARG
1	52	89	PHE
1	52	90	PHE
1	52	95	THR
1	52	97	SER
1	52	111	ILE
1	52	144	VAL
1	52	147	ARG
1	52	148	LEU
1	52	150	TYR
1	52	152	SER

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Mol	Chain	Res	Type
1	52	154	SER
1	52	166	MET
1	52	171	ARG
1	52	179	VAL
1	52	182	PHE
2	53	2	GLU
2	53	6	LYS
2	53	7	ASN
2	53	9	VAL
2	53	14	THR
2	53	17	THR
2	53	21	THR
2	53	22	GLN
2	53	23	HIS
2	53	24	PRO
2	53	25	SER
2	53	27	PRO
2	53	28	THR
2	53	29	MET
2	53	31	PHE
2	53	36	SER
2	53	37	ASN
2	53	38	VAL
2	53	39	ASP
2	53	41	PHE
2	53	50	THR
2	53	56	SER
2	53	57	LYS
2	53	58	LEU
2	53	60	ARG
2	53	67	THR
2	53	68	PRO
2	53	70	TRP
2	53	72	ARG
2	53	74	TYR
2	53	76	ILE
2	53	78	HIS
2	53	79	VAL
2	53	81	LEU
2	53	114	ASN
2	53	162	LEU
2	53	184	LYS

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Mol	Chain	Res	Type
2	53	185	VAL
2	53	191	LEU
2	53	205	ILE
2	53	209	LEU
2	53	210	LEU
2	53	215	GLN
2	53	218	ARG
2	53	219	VAL
2	53	224	VAL
2	53	227	TYR
3	54	2	ILE
3	54	32	THR
3	54	33	LEU
3	54	46	LEU
3	54	73	LEU
3	54	78	LEU
3	54	83	PHE
3	54	103	LYS
3	54	105	GLU
4	55	5	LEU
4	55	12	VAL
4	55	13[1]	GLN
4	55	13[2]	GLN
4	55	22	CYS
4	55	37	ILE
4	55	43	LYS
4	55	50	PRO
4	55	64	VAL
4	55	65	LYS
4	55	71	SER
4	55	72[1]	ARG
4	55	72[2]	ARG
4	55	81	LEU
4	55	82[1]	GLN
4	55	82[2]	GLN
4	55	86	LEU
4	55	93	LEU
4	55	117	THR
4	55	121	VAL
1	56	15	SER
1	56	16	THR
1	56	21	ASN

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Mol	Chain	Res	Type
1	56	22	HIS
1	56	24	VAL
1	56	27	LYS
1	56	31	LYS
1	56	36	THR
1	56	41	ILE
1	56	43	HIS
1	56	48	TYR
1	56	49	LEU
1	56	65	PHE
1	56	66	ARG
1	56	79	THR
1	56	82	ARG
1	56	84	ARG
1	56	89	PHE
1	56	90	PHE
1	56	95	THR
1	56	97	SER
1	56	111	ILE
1	56	144	VAL
1	56	147	ARG
1	56	148	LEU
1	56	150	TYR
1	56	152	SER
1	56	154	SER
1	56	166	MET
1	56	171	ARG
1	56	179	VAL
1	56	182	PHE
2	57	2	GLU
2	57	6	LYS
2	57	7	ASN
2	57	9	VAL
2	57	14	THR
2	57	17	THR
2	57	21	THR
2	57	22	GLN
2	57	23	HIS
2	57	24	PRO
2	57	25	SER
2	57	27	PRO
2	57	28	THR

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Mol	Chain	Res	Type
2	57	29	MET
2	57	31	PHE
2	57	36	SER
2	57	37	ASN
2	57	38	VAL
2	57	39	ASP
2	57	41	PHE
2	57	50	THR
2	57	56	SER
2	57	57	LYS
2	57	58	LEU
2	57	60	ARG
2	57	67	THR
2	57	68	PRO
2	57	70	TRP
2	57	72	ARG
2	57	74	TYR
2	57	76	ILE
2	57	78	HIS
2	57	79	VAL
2	57	81	LEU
2	57	114	ASN
2	57	162	LEU
2	57	184	LYS
2	57	185	VAL
2	57	191	LEU
2	57	205	ILE
2	57	209	LEU
2	57	210	LEU
2	57	215	GLN
2	57	218	ARG
2	57	219	VAL
2	57	224	VAL
2	57	227	TYR
3	58	2	ILE
3	58	32	THR
3	58	33	LEU
3	58	46	LEU
3	58	73	LEU
3	58	78	LEU
3	58	83	PHE
3	58	103	LYS

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Mol	Chain	Res	Type
3	58	105	GLU
4	59	5	LEU
4	59	12	VAL
4	59	13[1]	GLN
4	59	13[2]	GLN
4	59	22	CYS
4	59	37	ILE
4	59	43	LYS
4	59	50	PRO
4	59	64	VAL
4	59	65	LYS
4	59	71	SER
4	59	72[1]	ARG
4	59	72[2]	ARG
4	59	81	LEU
4	59	82[1]	GLN
4	59	82[2]	GLN
4	59	86	LEU
4	59	93	LEU
4	59	117	THR
4	59	121	VAL
1	6A	15	SER
1	6A	16	THR
1	6A	21	ASN
1	6A	22	HIS
1	6A	24	VAL
1	6A	27	LYS
1	6A	31	LYS
1	6A	36	THR
1	6A	41	ILE
1	6A	43	HIS
1	6A	48	TYR
1	6A	49	LEU
1	6A	65	PHE
1	6A	66	ARG
1	6A	79	THR
1	6A	82	ARG
1	6A	84	ARG
1	6A	89	PHE
1	6A	90	PHE
1	6A	95	THR
1	6A	97	SER

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Mol	Chain	Res	Type
1	6A	111	ILE
1	6A	144	VAL
1	6A	147	ARG
1	6A	148	LEU
1	6A	150	TYR
1	6A	152	SER
1	6A	154	SER
1	6A	166	MET
1	6A	171	ARG
1	6A	179	VAL
1	6A	182	PHE
2	6B	2	GLU
2	6B	6	LYS
2	6B	7	ASN
2	6B	9	VAL
2	6B	14	THR
2	6B	17	THR
2	6B	21	THR
2	6B	22	GLN
2	6B	23	HIS
2	6B	24	PRO
2	6B	25	SER
2	6B	27	PRO
2	6B	28	THR
2	6B	29	MET
2	6B	31	PHE
2	6B	36	SER
2	6B	37	ASN
2	6B	38	VAL
2	6B	39	ASP
2	6B	41	PHE
2	6B	50	THR
2	6B	56	SER
2	6B	57	LYS
2	6B	58	LEU
2	6B	60	ARG
2	6B	67	THR
2	6B	68	PRO
2	6B	70	TRP
2	6B	72	ARG
2	6B	74	TYR
2	6B	76	ILE

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Mol	Chain	Res	Type
2	6B	78	HIS
2	6B	79	VAL
2	6B	81	LEU
2	6B	114	ASN
2	6B	162	LEU
2	6B	184	LYS
2	6B	185	VAL
2	6B	191	LEU
2	6B	205	ILE
2	6B	209	LEU
2	6B	210	LEU
2	6B	215	GLN
2	6B	218	ARG
2	6B	219	VAL
2	6B	224	VAL
2	6B	227	TYR
3	6C	2	ILE
3	6C	32	THR
3	6C	33	LEU
3	6C	46	LEU
3	6C	73	LEU
3	6C	78	LEU
3	6C	83	PHE
3	6C	103	LYS
3	6C	105	GLU
4	6D	5	LEU
4	6D	12	VAL
4	6D	13[1]	GLN
4	6D	13[2]	GLN
4	6D	22	CYS
4	6D	37	ILE
4	6D	43	LYS
4	6D	50	PRO
4	6D	64	VAL
4	6D	65	LYS
4	6D	71	SER
4	6D	72[1]	ARG
4	6D	72[2]	ARG
4	6D	81	LEU
4	6D	82[1]	GLN
4	6D	82[2]	GLN
4	6D	86	LEU

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Mol	Chain	Res	Type
4	6D	93	LEU
4	6D	117	THR
4	6D	121	VAL
1	6E	15	SER
1	6E	16	THR
1	6E	21	ASN
1	6E	22	HIS
1	6E	24	VAL
1	6E	27	LYS
1	6E	31	LYS
1	6E	36	THR
1	6E	41	ILE
1	6E	43	HIS
1	6E	48	TYR
1	6E	49	LEU
1	6E	65	PHE
1	6E	66	ARG
1	6E	79	THR
1	6E	82	ARG
1	6E	84	ARG
1	6E	89	PHE
1	6E	90	PHE
1	6E	95	THR
1	6E	97	SER
1	6E	111	ILE
1	6E	144	VAL
1	6E	147	ARG
1	6E	148	LEU
1	6E	150	TYR
1	6E	152	SER
1	6E	154	SER
1	6E	166	MET
1	6E	171	ARG
1	6E	179	VAL
1	6E	182	PHE
2	6F	2	GLU
2	6F	6	LYS
2	6F	7	ASN
2	6F	9	VAL
2	6F	14	THR
2	6F	17	THR
2	6F	21	THR

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Mol	Chain	Res	Type
2	6F	22	GLN
2	6F	23	HIS
2	6F	24	PRO
2	6F	25	SER
2	6F	27	PRO
2	6F	28	THR
2	6F	29	MET
2	6F	31	PHE
2	6F	36	SER
2	6F	37	ASN
2	6F	38	VAL
2	6F	39	ASP
2	6F	41	PHE
2	6F	50	THR
2	6F	56	SER
2	6F	57	LYS
2	6F	58	LEU
2	6F	60	ARG
2	6F	67	THR
2	6F	68	PRO
2	6F	70	TRP
2	6F	72	ARG
2	6F	74	TYR
2	6F	76	ILE
2	6F	78	HIS
2	6F	79	VAL
2	6F	81	LEU
2	6F	114	ASN
2	6F	162	LEU
2	6F	184	LYS
2	6F	185	VAL
2	6F	191	LEU
2	6F	205	ILE
2	6F	209	LEU
2	6F	210	LEU
2	6F	215	GLN
2	6F	218	ARG
2	6F	219	VAL
2	6F	224	VAL
2	6F	227	TYR
3	6G	2	ILE
3	6G	32	THR

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Mol	Chain	Res	Type
3	6G	33	LEU
3	6G	46	LEU
3	6G	73	LEU
3	6G	78	LEU
3	6G	83	PHE
3	6G	103	LYS
3	6G	105	GLU
4	6H	5	LEU
4	6H	12	VAL
4	6H	13[1]	GLN
4	6H	13[2]	GLN
4	6H	22	CYS
4	6H	37	ILE
4	6H	43	LYS
4	6H	50	PRO
4	6H	64	VAL
4	6H	65	LYS
4	6H	71	SER
4	6H	72[1]	ARG
4	6H	72[2]	ARG
4	6H	81	LEU
4	6H	82[1]	GLN
4	6H	82[2]	GLN
4	6H	86	LEU
4	6H	93	LEU
4	6H	117	THR
4	6H	121	VAL
1	6I	15	SER
1	6I	16	THR
1	6I	21	ASN
1	6I	22	HIS
1	6I	24	VAL
1	6I	27	LYS
1	6I	31	LYS
1	6I	36	THR
1	6I	41	ILE
1	6I	43	HIS
1	6I	48	TYR
1	6I	49	LEU
1	6I	65	PHE
1	6I	66	ARG
1	6I	79	THR

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Mol	Chain	Res	Type
1	6I	82	ARG
1	6I	84	ARG
1	6I	89	PHE
1	6I	90	PHE
1	6I	95	THR
1	6I	97	SER
1	6I	111	ILE
1	6I	144	VAL
1	6I	147	ARG
1	6I	148	LEU
1	6I	150	TYR
1	6I	152	SER
1	6I	154	SER
1	6I	166	MET
1	6I	171	ARG
1	6I	179	VAL
1	6I	182	PHE
2	6J	2	GLU
2	6J	6	LYS
2	6J	7	ASN
2	6J	9	VAL
2	6J	14	THR
2	6J	17	THR
2	6J	21	THR
2	6J	22	GLN
2	6J	23	HIS
2	6J	24	PRO
2	6J	25	SER
2	6J	27	PRO
2	6J	28	THR
2	6J	29	MET
2	6J	31	PHE
2	6J	36	SER
2	6J	37	ASN
2	6J	38	VAL
2	6J	39	ASP
2	6J	41	PHE
2	6J	50	THR
2	6J	56	SER
2	6J	57	LYS
2	6J	58	LEU
2	6J	60	ARG

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Mol	Chain	Res	Type
2	6J	67	THR
2	6J	68	PRO
2	6J	70	TRP
2	6J	72	ARG
2	6J	74	TYR
2	6J	76	ILE
2	6J	78	HIS
2	6J	79	VAL
2	6J	81	LEU
2	6J	114	ASN
2	6J	162	LEU
2	6J	184	LYS
2	6J	185	VAL
2	6J	191	LEU
2	6J	205	ILE
2	6J	209	LEU
2	6J	210	LEU
2	6J	215	GLN
2	6J	218	ARG
2	6J	219	VAL
2	6J	224	VAL
2	6J	227	TYR
3	6K	2	ILE
3	6K	32	THR
3	6K	33	LEU
3	6K	46	LEU
3	6K	73	LEU
3	6K	78	LEU
3	6K	83	PHE
3	6K	103	LYS
3	6K	105	GLU
4	6L	5	LEU
4	6L	12	VAL
4	6L	13[1]	GLN
4	6L	13[2]	GLN
4	6L	22	CYS
4	6L	37	ILE
4	6L	43	LYS
4	6L	50	PRO
4	6L	64	VAL
4	6L	65	LYS
4	6L	71	SER

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Mol	Chain	Res	Type
4	6L	72[1]	ARG
4	6L	72[2]	ARG
4	6L	81	LEU
4	6L	82[1]	GLN
4	6L	82[2]	GLN
4	6L	86	LEU
4	6L	93	LEU
4	6L	117	THR
4	6L	121	VAL
1	6M	15	SER
1	6M	16	THR
1	6M	21	ASN
1	6M	22	HIS
1	6M	24	VAL
1	6M	27	LYS
1	6M	31	LYS
1	6M	36	THR
1	6M	41	ILE
1	6M	43	HIS
1	6M	48	TYR
1	6M	49	LEU
1	6M	52	PHE
1	6M	65	PHE
1	6M	66	ARG
1	6M	79	THR
1	6M	82	ARG
1	6M	84	ARG
1	6M	89	PHE
1	6M	90	PHE
1	6M	95	THR
1	6M	97	SER
1	6M	111	ILE
1	6M	144	VAL
1	6M	147	ARG
1	6M	148	LEU
1	6M	150	TYR
1	6M	152	SER
1	6M	154	SER
1	6M	166	MET
1	6M	171	ARG
1	6M	179	VAL
1	6M	182	PHE

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Mol	Chain	Res	Type
2	6N	2	GLU
2	6N	6	LYS
2	6N	7	ASN
2	6N	9	VAL
2	6N	14	THR
2	6N	17	THR
2	6N	21	THR
2	6N	22	GLN
2	6N	23	HIS
2	6N	24	PRO
2	6N	25	SER
2	6N	27	PRO
2	6N	28	THR
2	6N	29	MET
2	6N	31	PHE
2	6N	36	SER
2	6N	37	ASN
2	6N	38	VAL
2	6N	39	ASP
2	6N	41	PHE
2	6N	50	THR
2	6N	56	SER
2	6N	57	LYS
2	6N	58	LEU
2	6N	60	ARG
2	6N	67	THR
2	6N	68	PRO
2	6N	70	TRP
2	6N	72	ARG
2	6N	74	TYR
2	6N	76	ILE
2	6N	78	HIS
2	6N	79	VAL
2	6N	81	LEU
2	6N	114	ASN
2	6N	162	LEU
2	6N	184	LYS
2	6N	185	VAL
2	6N	191	LEU
2	6N	205	ILE
2	6N	209	LEU
2	6N	210	LEU

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Mol	Chain	Res	Type
2	6N	215	GLN
2	6N	218	ARG
2	6N	219	VAL
2	6N	224	VAL
2	6N	227	TYR
3	6O	2	ILE
3	6O	32	THR
3	6O	33	LEU
3	6O	46	LEU
3	6O	73	LEU
3	6O	78	LEU
3	6O	83	PHE
3	6O	103	LYS
3	6O	105	GLU
4	6P	5	LEU
4	6P	12	VAL
4	6P	13[1]	GLN
4	6P	13[2]	GLN
4	6P	22	CYS
4	6P	37	ILE
4	6P	43	LYS
4	6P	50	PRO
4	6P	64	VAL
4	6P	65	LYS
4	6P	71	SER
4	6P	72[1]	ARG
4	6P	72[2]	ARG
4	6P	81	LEU
4	6P	82[1]	GLN
4	6P	82[2]	GLN
4	6P	86	LEU
4	6P	93	LEU
4	6P	117	THR
4	6P	121	VAL
1	6Q	15	SER
1	6Q	16	THR
1	6Q	21	ASN
1	6Q	22	HIS
1	6Q	24	VAL
1	6Q	27	LYS
1	6Q	31	LYS
1	6Q	36	THR

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Mol	Chain	Res	Type
1	6Q	41	ILE
1	6Q	43	HIS
1	6Q	48	TYR
1	6Q	49	LEU
1	6Q	65	PHE
1	6Q	66	ARG
1	6Q	79	THR
1	6Q	82	ARG
1	6Q	84	ARG
1	6Q	89	PHE
1	6Q	90	PHE
1	6Q	95	THR
1	6Q	97	SER
1	6Q	111	ILE
1	6Q	144	VAL
1	6Q	147	ARG
1	6Q	148	LEU
1	6Q	150	TYR
1	6Q	152	SER
1	6Q	154	SER
1	6Q	166	MET
1	6Q	171	ARG
1	6Q	179	VAL
1	6Q	182	PHE
2	6R	2	GLU
2	6R	6	LYS
2	6R	7	ASN
2	6R	9	VAL
2	6R	14	THR
2	6R	17	THR
2	6R	21	THR
2	6R	22	GLN
2	6R	23	HIS
2	6R	24	PRO
2	6R	25	SER
2	6R	27	PRO
2	6R	28	THR
2	6R	29	MET
2	6R	31	PHE
2	6R	36	SER
2	6R	37	ASN
2	6R	38	VAL

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Mol	Chain	Res	Type
2	6R	39	ASP
2	6R	41	PHE
2	6R	50	THR
2	6R	56	SER
2	6R	57	LYS
2	6R	58	LEU
2	6R	60	ARG
2	6R	67	THR
2	6R	68	PRO
2	6R	70	TRP
2	6R	72	ARG
2	6R	74	TYR
2	6R	76	ILE
2	6R	78	HIS
2	6R	79	VAL
2	6R	81	LEU
2	6R	114	ASN
2	6R	162	LEU
2	6R	184	LYS
2	6R	185	VAL
2	6R	191	LEU
2	6R	205	ILE
2	6R	209	LEU
2	6R	210	LEU
2	6R	215	GLN
2	6R	218	ARG
2	6R	219	VAL
2	6R	224	VAL
2	6R	227	TYR
3	6S	2	ILE
3	6S	32	THR
3	6S	33	LEU
3	6S	46	LEU
3	6S	73	LEU
3	6S	78	LEU
3	6S	83	PHE
3	6S	103	LYS
3	6S	105	GLU
4	6T	5	LEU
4	6T	12	VAL
4	6T	13[1]	GLN
4	6T	13[2]	GLN

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Mol	Chain	Res	Type
4	6T	22	CYS
4	6T	37	ILE
4	6T	43	LYS
4	6T	50	PRO
4	6T	64	VAL
4	6T	65	LYS
4	6T	71	SER
4	6T	72[1]	ARG
4	6T	72[2]	ARG
4	6T	81	LEU
4	6T	82[1]	GLN
4	6T	82[2]	GLN
4	6T	86	LEU
4	6T	93	LEU
4	6T	117	THR
4	6T	121	VAL
1	6U	15	SER
1	6U	16	THR
1	6U	21	ASN
1	6U	22	HIS
1	6U	24	VAL
1	6U	27	LYS
1	6U	31	LYS
1	6U	36	THR
1	6U	41	ILE
1	6U	43	HIS
1	6U	48	TYR
1	6U	49	LEU
1	6U	52	PHE
1	6U	65	PHE
1	6U	66	ARG
1	6U	79	THR
1	6U	82	ARG
1	6U	84	ARG
1	6U	89	PHE
1	6U	90	PHE
1	6U	95	THR
1	6U	97	SER
1	6U	111	ILE
1	6U	144	VAL
1	6U	147	ARG
1	6U	148	LEU

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Mol	Chain	Res	Type
1	6U	150	TYR
1	6U	152	SER
1	6U	154	SER
1	6U	166	MET
1	6U	171	ARG
1	6U	179	VAL
1	6U	182	PHE
2	6V	2	GLU
2	6V	6	LYS
2	6V	7	ASN
2	6V	9	VAL
2	6V	14	THR
2	6V	17	THR
2	6V	21	THR
2	6V	22	GLN
2	6V	23	HIS
2	6V	24	PRO
2	6V	25	SER
2	6V	27	PRO
2	6V	28	THR
2	6V	29	MET
2	6V	31	PHE
2	6V	36	SER
2	6V	37	ASN
2	6V	38	VAL
2	6V	39	ASP
2	6V	41	PHE
2	6V	50	THR
2	6V	56	SER
2	6V	57	LYS
2	6V	58	LEU
2	6V	60	ARG
2	6V	67	THR
2	6V	68	PRO
2	6V	70	TRP
2	6V	72	ARG
2	6V	74	TYR
2	6V	76	ILE
2	6V	78	HIS
2	6V	79	VAL
2	6V	81	LEU
2	6V	114	ASN

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Mol	Chain	Res	Type
2	6V	162	LEU
2	6V	184	LYS
2	6V	185	VAL
2	6V	191	LEU
2	6V	205	ILE
2	6V	209	LEU
2	6V	210	LEU
2	6V	215	GLN
2	6V	218	ARG
2	6V	219	VAL
2	6V	224	VAL
2	6V	227	TYR
3	6W	2	ILE
3	6W	32	THR
3	6W	33	LEU
3	6W	46	LEU
3	6W	73	LEU
3	6W	78	LEU
3	6W	83	PHE
3	6W	103	LYS
3	6W	105	GLU
4	6X	5	LEU
4	6X	12	VAL
4	6X	13[1]	GLN
4	6X	13[2]	GLN
4	6X	22	CYS
4	6X	37	ILE
4	6X	43	LYS
4	6X	50	PRO
4	6X	64	VAL
4	6X	65	LYS
4	6X	71	SER
4	6X	72[1]	ARG
4	6X	72[2]	ARG
4	6X	81	LEU
4	6X	82[1]	GLN
4	6X	82[2]	GLN
4	6X	86	LEU
4	6X	93	LEU
4	6X	117	THR
4	6X	121	VAL
1	6Y	15	SER

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Mol	Chain	Res	Type
1	6Y	16	THR
1	6Y	21	ASN
1	6Y	22	HIS
1	6Y	24	VAL
1	6Y	27	LYS
1	6Y	31	LYS
1	6Y	36	THR
1	6Y	41	ILE
1	6Y	43	HIS
1	6Y	48	TYR
1	6Y	49	LEU
1	6Y	65	PHE
1	6Y	66	ARG
1	6Y	79	THR
1	6Y	82	ARG
1	6Y	84	ARG
1	6Y	89	PHE
1	6Y	90	PHE
1	6Y	95	THR
1	6Y	97	SER
1	6Y	111	ILE
1	6Y	144	VAL
1	6Y	147	ARG
1	6Y	148	LEU
1	6Y	150	TYR
1	6Y	152	SER
1	6Y	154	SER
1	6Y	166	MET
1	6Y	171	ARG
1	6Y	179	VAL
1	6Y	182	PHE
2	6Z	2	GLU
2	6Z	6	LYS
2	6Z	7	ASN
2	6Z	9	VAL
2	6Z	14	THR
2	6Z	17	THR
2	6Z	21	THR
2	6Z	22	GLN
2	6Z	23	HIS
2	6Z	24	PRO
2	6Z	25	SER

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Mol	Chain	Res	Type
2	6Z	27	PRO
2	6Z	28	THR
2	6Z	29	MET
2	6Z	31	PHE
2	6Z	36	SER
2	6Z	37	ASN
2	6Z	38	VAL
2	6Z	39	ASP
2	6Z	41	PHE
2	6Z	50	THR
2	6Z	56	SER
2	6Z	57	LYS
2	6Z	58	LEU
2	6Z	60	ARG
2	6Z	67	THR
2	6Z	68	PRO
2	6Z	70	TRP
2	6Z	72	ARG
2	6Z	74	TYR
2	6Z	76	ILE
2	6Z	78	HIS
2	6Z	79	VAL
2	6Z	81	LEU
2	6Z	114	ASN
2	6Z	162	LEU
2	6Z	184	LYS
2	6Z	185	VAL
2	6Z	191	LEU
2	6Z	205	ILE
2	6Z	209	LEU
2	6Z	210	LEU
2	6Z	215	GLN
2	6Z	218	ARG
2	6Z	219	VAL
2	6Z	224	VAL
2	6Z	227	TYR
3	60	2	ILE
3	60	32	THR
3	60	33	LEU
3	60	46	LEU
3	60	73	LEU
3	60	78	LEU

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Mol	Chain	Res	Type
3	60	83	PHE
3	60	103	LYS
3	60	105	GLU
4	61	5	LEU
4	61	12	VAL
4	61	13[1]	GLN
4	61	13[2]	GLN
4	61	22	CYS
4	61	37	ILE
4	61	43	LYS
4	61	50	PRO
4	61	64	VAL
4	61	65	LYS
4	61	71	SER
4	61	72[1]	ARG
4	61	72[2]	ARG
4	61	81	LEU
4	61	82[1]	GLN
4	61	82[2]	GLN
4	61	86	LEU
4	61	93	LEU
4	61	117	THR
4	61	121	VAL
1	62	15	SER
1	62	16	THR
1	62	21	ASN
1	62	22	HIS
1	62	24	VAL
1	62	27	LYS
1	62	31	LYS
1	62	36	THR
1	62	41	ILE
1	62	43	HIS
1	62	48	TYR
1	62	49	LEU
1	62	52	PHE
1	62	65	PHE
1	62	66	ARG
1	62	79	THR
1	62	82	ARG
1	62	84	ARG
1	62	89	PHE

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Mol	Chain	Res	Type
1	62	90	PHE
1	62	95	THR
1	62	97	SER
1	62	111	ILE
1	62	144	VAL
1	62	147	ARG
1	62	148	LEU
1	62	150	TYR
1	62	152	SER
1	62	154	SER
1	62	166	MET
1	62	171	ARG
1	62	179	VAL
1	62	182	PHE
2	63	2	GLU
2	63	6	LYS
2	63	7	ASN
2	63	9	VAL
2	63	14	THR
2	63	17	THR
2	63	21	THR
2	63	22	GLN
2	63	23	HIS
2	63	24	PRO
2	63	25	SER
2	63	27	PRO
2	63	28	THR
2	63	29	MET
2	63	31	PHE
2	63	36	SER
2	63	37	ASN
2	63	38	VAL
2	63	39	ASP
2	63	41	PHE
2	63	50	THR
2	63	56	SER
2	63	57	LYS
2	63	58	LEU
2	63	60	ARG
2	63	67	THR
2	63	68	PRO
2	63	70	TRP

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Mol	Chain	Res	Type
2	63	72	ARG
2	63	74	TYR
2	63	76	ILE
2	63	78	HIS
2	63	79	VAL
2	63	81	LEU
2	63	114	ASN
2	63	162	LEU
2	63	184	LYS
2	63	185	VAL
2	63	191	LEU
2	63	205	ILE
2	63	209	LEU
2	63	210	LEU
2	63	215	GLN
2	63	218	ARG
2	63	219	VAL
2	63	224	VAL
2	63	227	TYR
3	64	2	ILE
3	64	32	THR
3	64	33	LEU
3	64	46	LEU
3	64	73	LEU
3	64	78	LEU
3	64	83	PHE
3	64	103	LYS
3	64	105	GLU
4	65	5	LEU
4	65	12	VAL
4	65	13[1]	GLN
4	65	13[2]	GLN
4	65	22	CYS
4	65	37	ILE
4	65	43	LYS
4	65	50	PRO
4	65	64	VAL
4	65	65	LYS
4	65	71	SER
4	65	72[1]	ARG
4	65	72[2]	ARG
4	65	81	LEU

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Mol	Chain	Res	Type
4	65	82[1]	GLN
4	65	82[2]	GLN
4	65	86	LEU
4	65	93	LEU
4	65	117	THR
4	65	121	VAL
1	66	15	SER
1	66	16	THR
1	66	21	ASN
1	66	22	HIS
1	66	24	VAL
1	66	27	LYS
1	66	31	LYS
1	66	36	THR
1	66	41	ILE
1	66	43	HIS
1	66	48	TYR
1	66	49	LEU
1	66	52	PHE
1	66	65	PHE
1	66	66	ARG
1	66	79	THR
1	66	82	ARG
1	66	84	ARG
1	66	89	PHE
1	66	90	PHE
1	66	95	THR
1	66	97	SER
1	66	111	ILE
1	66	144	VAL
1	66	147	ARG
1	66	148	LEU
1	66	150	TYR
1	66	152	SER
1	66	154	SER
1	66	166	MET
1	66	171	ARG
1	66	179	VAL
1	66	182	PHE
2	67	2	GLU
2	67	6	LYS
2	67	7	ASN

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Mol	Chain	Res	Type
2	67	9	VAL
2	67	14	THR
2	67	17	THR
2	67	21	THR
2	67	22	GLN
2	67	23	HIS
2	67	24	PRO
2	67	25	SER
2	67	27	PRO
2	67	28	THR
2	67	29	MET
2	67	31	PHE
2	67	36	SER
2	67	37	ASN
2	67	38	VAL
2	67	39	ASP
2	67	41	PHE
2	67	50	THR
2	67	56	SER
2	67	57	LYS
2	67	58	LEU
2	67	60	ARG
2	67	67	THR
2	67	68	PRO
2	67	70	TRP
2	67	72	ARG
2	67	74	TYR
2	67	76	ILE
2	67	78	HIS
2	67	79	VAL
2	67	81	LEU
2	67	114	ASN
2	67	162	LEU
2	67	184	LYS
2	67	185	VAL
2	67	191	LEU
2	67	205	ILE
2	67	209	LEU
2	67	210	LEU
2	67	215	GLN
2	67	218	ARG
2	67	219	VAL

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Mol	Chain	Res	Type
2	67	224	VAL
2	67	227	TYR
3	68	2	ILE
3	68	32	THR
3	68	33	LEU
3	68	46	LEU
3	68	73	LEU
3	68	78	LEU
3	68	83	PHE
3	68	103	LYS
3	68	105	GLU
4	69	5	LEU
4	69	12	VAL
4	69	13[1]	GLN
4	69	13[2]	GLN
4	69	22	CYS
4	69	37	ILE
4	69	43	LYS
4	69	50	PRO
4	69	64	VAL
4	69	65	LYS
4	69	71	SER
4	69	72[1]	ARG
4	69	72[2]	ARG
4	69	81	LEU
4	69	82[1]	GLN
4	69	82[2]	GLN
4	69	86	LEU
4	69	93	LEU
4	69	117	THR
4	69	121	VAL
1	7A	15	SER
1	7A	16	THR
1	7A	21	ASN
1	7A	22	HIS
1	7A	24	VAL
1	7A	27	LYS
1	7A	31	LYS
1	7A	36	THR
1	7A	41	ILE
1	7A	43	HIS
1	7A	48	TYR

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Mol	Chain	Res	Type
1	7A	49	LEU
1	7A	52	PHE
1	7A	65	PHE
1	7A	66	ARG
1	7A	79	THR
1	7A	82	ARG
1	7A	84	ARG
1	7A	89	PHE
1	7A	90	PHE
1	7A	95	THR
1	7A	97	SER
1	7A	111	ILE
1	7A	144	VAL
1	7A	147	ARG
1	7A	148	LEU
1	7A	150	TYR
1	7A	152	SER
1	7A	154	SER
1	7A	166	MET
1	7A	171	ARG
1	7A	179	VAL
1	7A	182	PHE
2	7B	2	GLU
2	7B	6	LYS
2	7B	7	ASN
2	7B	9	VAL
2	7B	14	THR
2	7B	17	THR
2	7B	21	THR
2	7B	22	GLN
2	7B	23	HIS
2	7B	24	PRO
2	7B	25	SER
2	7B	27	PRO
2	7B	28	THR
2	7B	29	MET
2	7B	31	PHE
2	7B	36	SER
2	7B	37	ASN
2	7B	38	VAL
2	7B	39	ASP
2	7B	41	PHE

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Mol	Chain	Res	Type
2	7B	50	THR
2	7B	56	SER
2	7B	57	LYS
2	7B	58	LEU
2	7B	60	ARG
2	7B	67	THR
2	7B	68	PRO
2	7B	70	TRP
2	7B	72	ARG
2	7B	74	TYR
2	7B	76	ILE
2	7B	78	HIS
2	7B	79	VAL
2	7B	81	LEU
2	7B	114	ASN
2	7B	162	LEU
2	7B	184	LYS
2	7B	185	VAL
2	7B	191	LEU
2	7B	205	ILE
2	7B	209	LEU
2	7B	210	LEU
2	7B	215	GLN
2	7B	218	ARG
2	7B	219	VAL
2	7B	224	VAL
2	7B	227	TYR
3	7C	2	ILE
3	7C	32	THR
3	7C	33	LEU
3	7C	46	LEU
3	7C	73	LEU
3	7C	78	LEU
3	7C	83	PHE
3	7C	103	LYS
3	7C	105	GLU
4	7D	5	LEU
4	7D	12	VAL
4	7D	13[1]	GLN
4	7D	13[2]	GLN
4	7D	22	CYS
4	7D	37	ILE

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Mol	Chain	Res	Type
4	7D	43	LYS
4	7D	50	PRO
4	7D	64	VAL
4	7D	65	LYS
4	7D	71	SER
4	7D	72[1]	ARG
4	7D	72[2]	ARG
4	7D	81	LEU
4	7D	82[1]	GLN
4	7D	82[2]	GLN
4	7D	86	LEU
4	7D	93	LEU
4	7D	117	THR
4	7D	121	VAL
1	7E	15	SER
1	7E	16	THR
1	7E	21	ASN
1	7E	22	HIS
1	7E	24	VAL
1	7E	27	LYS
1	7E	31	LYS
1	7E	36	THR
1	7E	41	ILE
1	7E	43	HIS
1	7E	48	TYR
1	7E	49	LEU
1	7E	52	PHE
1	7E	65	PHE
1	7E	66	ARG
1	7E	79	THR
1	7E	82	ARG
1	7E	84	ARG
1	7E	89	PHE
1	7E	90	PHE
1	7E	95	THR
1	7E	97	SER
1	7E	111	ILE
1	7E	144	VAL
1	7E	147	ARG
1	7E	148	LEU
1	7E	150	TYR
1	7E	152	SER

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Mol	Chain	Res	Type
1	7E	154	SER
1	7E	166	MET
1	7E	171	ARG
1	7E	179	VAL
1	7E	182	PHE
2	7F	2	GLU
2	7F	6	LYS
2	7F	7	ASN
2	7F	9	VAL
2	7F	14	THR
2	7F	17	THR
2	7F	21	THR
2	7F	22	GLN
2	7F	23	HIS
2	7F	24	PRO
2	7F	25	SER
2	7F	27	PRO
2	7F	28	THR
2	7F	29	MET
2	7F	31	PHE
2	7F	36	SER
2	7F	37	ASN
2	7F	38	VAL
2	7F	39	ASP
2	7F	41	PHE
2	7F	50	THR
2	7F	56	SER
2	7F	57	LYS
2	7F	58	LEU
2	7F	60	ARG
2	7F	67	THR
2	7F	68	PRO
2	7F	70	TRP
2	7F	72	ARG
2	7F	74	TYR
2	7F	76	ILE
2	7F	78	HIS
2	7F	79	VAL
2	7F	81	LEU
2	7F	114	ASN
2	7F	162	LEU
2	7F	184	LYS

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Mol	Chain	Res	Type
2	7F	185	VAL
2	7F	191	LEU
2	7F	205	ILE
2	7F	209	LEU
2	7F	210	LEU
2	7F	215	GLN
2	7F	218	ARG
2	7F	219	VAL
2	7F	224	VAL
2	7F	227	TYR
3	7G	2	ILE
3	7G	32	THR
3	7G	33	LEU
3	7G	46	LEU
3	7G	73	LEU
3	7G	78	LEU
3	7G	83	PHE
3	7G	103	LYS
3	7G	105	GLU
4	7H	5	LEU
4	7H	12	VAL
4	7H	13[1]	GLN
4	7H	13[2]	GLN
4	7H	22	CYS
4	7H	37	ILE
4	7H	43	LYS
4	7H	50	PRO
4	7H	64	VAL
4	7H	65	LYS
4	7H	71	SER
4	7H	72[1]	ARG
4	7H	72[2]	ARG
4	7H	81	LEU
4	7H	82[1]	GLN
4	7H	82[2]	GLN
4	7H	86	LEU
4	7H	93	LEU
4	7H	117	THR
4	7H	121	VAL
1	7I	15	SER
1	7I	16	THR
1	7I	21	ASN

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Mol	Chain	Res	Type
1	7I	22	HIS
1	7I	24	VAL
1	7I	27	LYS
1	7I	31	LYS
1	7I	36	THR
1	7I	41	ILE
1	7I	43	HIS
1	7I	48	TYR
1	7I	49	LEU
1	7I	65	PHE
1	7I	66	ARG
1	7I	79	THR
1	7I	82	ARG
1	7I	84	ARG
1	7I	89	PHE
1	7I	90	PHE
1	7I	95	THR
1	7I	97	SER
1	7I	111	ILE
1	7I	144	VAL
1	7I	147	ARG
1	7I	148	LEU
1	7I	150	TYR
1	7I	152	SER
1	7I	154	SER
1	7I	166	MET
1	7I	171	ARG
1	7I	179	VAL
1	7I	182	PHE
2	7J	2	GLU
2	7J	6	LYS
2	7J	7	ASN
2	7J	9	VAL
2	7J	14	THR
2	7J	17	THR
2	7J	21	THR
2	7J	22	GLN
2	7J	23	HIS
2	7J	24	PRO
2	7J	25	SER
2	7J	27	PRO
2	7J	28	THR

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Mol	Chain	Res	Type
2	7J	29	MET
2	7J	31	PHE
2	7J	36	SER
2	7J	37	ASN
2	7J	38	VAL
2	7J	39	ASP
2	7J	41	PHE
2	7J	50	THR
2	7J	56	SER
2	7J	57	LYS
2	7J	58	LEU
2	7J	60	ARG
2	7J	67	THR
2	7J	68	PRO
2	7J	70	TRP
2	7J	72	ARG
2	7J	74	TYR
2	7J	76	ILE
2	7J	78	HIS
2	7J	79	VAL
2	7J	81	LEU
2	7J	114	ASN
2	7J	162	LEU
2	7J	184	LYS
2	7J	185	VAL
2	7J	191	LEU
2	7J	205	ILE
2	7J	209	LEU
2	7J	210	LEU
2	7J	215	GLN
2	7J	218	ARG
2	7J	219	VAL
2	7J	224	VAL
2	7J	227	TYR
3	7K	2	ILE
3	7K	32	THR
3	7K	33	LEU
3	7K	46	LEU
3	7K	73	LEU
3	7K	78	LEU
3	7K	83	PHE
3	7K	103	LYS

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Mol	Chain	Res	Type
3	7K	105	GLU
4	7L	5	LEU
4	7L	12	VAL
4	7L	13[1]	GLN
4	7L	13[2]	GLN
4	7L	22	CYS
4	7L	37	ILE
4	7L	43	LYS
4	7L	50	PRO
4	7L	64	VAL
4	7L	65	LYS
4	7L	71	SER
4	7L	72[1]	ARG
4	7L	72[2]	ARG
4	7L	81	LEU
4	7L	82[1]	GLN
4	7L	82[2]	GLN
4	7L	86	LEU
4	7L	93	LEU
4	7L	117	THR
4	7L	121	VAL
1	7M	15	SER
1	7M	16	THR
1	7M	21	ASN
1	7M	22	HIS
1	7M	24	VAL
1	7M	27	LYS
1	7M	31	LYS
1	7M	36	THR
1	7M	41	ILE
1	7M	43	HIS
1	7M	48	TYR
1	7M	49	LEU
1	7M	65	PHE
1	7M	66	ARG
1	7M	79	THR
1	7M	82	ARG
1	7M	84	ARG
1	7M	89	PHE
1	7M	90	PHE
1	7M	95	THR
1	7M	97	SER

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Mol	Chain	Res	Type
1	7M	111	ILE
1	7M	144	VAL
1	7M	147	ARG
1	7M	148	LEU
1	7M	150	TYR
1	7M	152	SER
1	7M	154	SER
1	7M	166	MET
1	7M	171	ARG
1	7M	179	VAL
1	7M	182	PHE
2	7N	2	GLU
2	7N	6	LYS
2	7N	7	ASN
2	7N	9	VAL
2	7N	14	THR
2	7N	17	THR
2	7N	21	THR
2	7N	22	GLN
2	7N	23	HIS
2	7N	24	PRO
2	7N	25	SER
2	7N	27	PRO
2	7N	28	THR
2	7N	29	MET
2	7N	31	PHE
2	7N	36	SER
2	7N	37	ASN
2	7N	38	VAL
2	7N	39	ASP
2	7N	41	PHE
2	7N	50	THR
2	7N	56	SER
2	7N	57	LYS
2	7N	58	LEU
2	7N	60	ARG
2	7N	67	THR
2	7N	68	PRO
2	7N	70	TRP
2	7N	72	ARG
2	7N	74	TYR
2	7N	76	ILE

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Mol	Chain	Res	Type
2	7N	78	HIS
2	7N	79	VAL
2	7N	81	LEU
2	7N	114	ASN
2	7N	162	LEU
2	7N	184	LYS
2	7N	185	VAL
2	7N	191	LEU
2	7N	205	ILE
2	7N	209	LEU
2	7N	210	LEU
2	7N	215	GLN
2	7N	218	ARG
2	7N	219	VAL
2	7N	224	VAL
2	7N	227	TYR
3	7O	2	ILE
3	7O	32	THR
3	7O	33	LEU
3	7O	46	LEU
3	7O	73	LEU
3	7O	78	LEU
3	7O	83	PHE
3	7O	103	LYS
3	7O	105	GLU
4	7P	5	LEU
4	7P	12	VAL
4	7P	13[1]	GLN
4	7P	13[2]	GLN
4	7P	22	CYS
4	7P	37	ILE
4	7P	43	LYS
4	7P	50	PRO
4	7P	64	VAL
4	7P	65	LYS
4	7P	71	SER
4	7P	72[1]	ARG
4	7P	72[2]	ARG
4	7P	81	LEU
4	7P	82[1]	GLN
4	7P	82[2]	GLN
4	7P	86	LEU

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Mol	Chain	Res	Type
4	7P	93	LEU
4	7P	117	THR
4	7P	121	VAL
1	7Q	15	SER
1	7Q	16	THR
1	7Q	21	ASN
1	7Q	22	HIS
1	7Q	24	VAL
1	7Q	27	LYS
1	7Q	31	LYS
1	7Q	36	THR
1	7Q	41	ILE
1	7Q	43	HIS
1	7Q	48	TYR
1	7Q	49	LEU
1	7Q	52	PHE
1	7Q	65	PHE
1	7Q	66	ARG
1	7Q	79	THR
1	7Q	82	ARG
1	7Q	84	ARG
1	7Q	89	PHE
1	7Q	90	PHE
1	7Q	95	THR
1	7Q	97	SER
1	7Q	111	ILE
1	7Q	144	VAL
1	7Q	147	ARG
1	7Q	148	LEU
1	7Q	150	TYR
1	7Q	152	SER
1	7Q	154	SER
1	7Q	166	MET
1	7Q	171	ARG
1	7Q	179	VAL
1	7Q	182	PHE
2	7R	2	GLU
2	7R	6	LYS
2	7R	7	ASN
2	7R	9	VAL
2	7R	14	THR
2	7R	17	THR

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Mol	Chain	Res	Type
2	7R	21	THR
2	7R	22	GLN
2	7R	23	HIS
2	7R	24	PRO
2	7R	25	SER
2	7R	27	PRO
2	7R	28	THR
2	7R	29	MET
2	7R	31	PHE
2	7R	36	SER
2	7R	37	ASN
2	7R	38	VAL
2	7R	39	ASP
2	7R	41	PHE
2	7R	50	THR
2	7R	56	SER
2	7R	57	LYS
2	7R	58	LEU
2	7R	60	ARG
2	7R	67	THR
2	7R	68	PRO
2	7R	70	TRP
2	7R	72	ARG
2	7R	74	TYR
2	7R	76	ILE
2	7R	78	HIS
2	7R	79	VAL
2	7R	81	LEU
2	7R	114	ASN
2	7R	162	LEU
2	7R	184	LYS
2	7R	185	VAL
2	7R	191	LEU
2	7R	205	ILE
2	7R	209	LEU
2	7R	210	LEU
2	7R	215	GLN
2	7R	218	ARG
2	7R	219	VAL
2	7R	224	VAL
2	7R	227	TYR
3	7S	2	ILE

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Mol	Chain	Res	Type
3	7S	32	THR
3	7S	33	LEU
3	7S	46	LEU
3	7S	73	LEU
3	7S	78	LEU
3	7S	83	PHE
3	7S	103	LYS
3	7S	105	GLU
4	7T	5	LEU
4	7T	12	VAL
4	7T	13[1]	GLN
4	7T	13[2]	GLN
4	7T	22	CYS
4	7T	37	ILE
4	7T	43	LYS
4	7T	50	PRO
4	7T	64	VAL
4	7T	65	LYS
4	7T	71	SER
4	7T	72[1]	ARG
4	7T	72[2]	ARG
4	7T	81	LEU
4	7T	82[1]	GLN
4	7T	82[2]	GLN
4	7T	86	LEU
4	7T	93	LEU
4	7T	117	THR
4	7T	121	VAL
1	7U	15	SER
1	7U	16	THR
1	7U	21	ASN
1	7U	22	HIS
1	7U	24	VAL
1	7U	27	LYS
1	7U	31	LYS
1	7U	36	THR
1	7U	41	ILE
1	7U	43	HIS
1	7U	48	TYR
1	7U	49	LEU
1	7U	65	PHE
1	7U	66	ARG

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Mol	Chain	Res	Type
1	7U	79	THR
1	7U	82	ARG
1	7U	84	ARG
1	7U	89	PHE
1	7U	90	PHE
1	7U	95	THR
1	7U	97	SER
1	7U	111	ILE
1	7U	144	VAL
1	7U	147	ARG
1	7U	148	LEU
1	7U	150	TYR
1	7U	152	SER
1	7U	154	SER
1	7U	166	MET
1	7U	171	ARG
1	7U	179	VAL
1	7U	182	PHE
2	7V	2	GLU
2	7V	6	LYS
2	7V	7	ASN
2	7V	9	VAL
2	7V	14	THR
2	7V	17	THR
2	7V	21	THR
2	7V	22	GLN
2	7V	23	HIS
2	7V	24	PRO
2	7V	25	SER
2	7V	27	PRO
2	7V	28	THR
2	7V	29	MET
2	7V	31	PHE
2	7V	36	SER
2	7V	37	ASN
2	7V	38	VAL
2	7V	39	ASP
2	7V	41	PHE
2	7V	50	THR
2	7V	56	SER
2	7V	57	LYS
2	7V	58	LEU

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Mol	Chain	Res	Type
2	7V	60	ARG
2	7V	67	THR
2	7V	68	PRO
2	7V	70	TRP
2	7V	72	ARG
2	7V	74	TYR
2	7V	76	ILE
2	7V	78	HIS
2	7V	79	VAL
2	7V	81	LEU
2	7V	114	ASN
2	7V	162	LEU
2	7V	184	LYS
2	7V	185	VAL
2	7V	191	LEU
2	7V	205	ILE
2	7V	209	LEU
2	7V	210	LEU
2	7V	215	GLN
2	7V	218	ARG
2	7V	219	VAL
2	7V	224	VAL
2	7V	227	TYR
3	7W	2	ILE
3	7W	32	THR
3	7W	33	LEU
3	7W	46	LEU
3	7W	73	LEU
3	7W	78	LEU
3	7W	83	PHE
3	7W	103	LYS
3	7W	105	GLU
4	7X	5	LEU
4	7X	12	VAL
4	7X	13[1]	GLN
4	7X	13[2]	GLN
4	7X	22	CYS
4	7X	37	ILE
4	7X	43	LYS
4	7X	50	PRO
4	7X	64	VAL
4	7X	65	LYS

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Mol	Chain	Res	Type
4	7X	71	SER
4	7X	72[1]	ARG
4	7X	72[2]	ARG
4	7X	81	LEU
4	7X	82[1]	GLN
4	7X	82[2]	GLN
4	7X	86	LEU
4	7X	93	LEU
4	7X	117	THR
4	7X	121	VAL

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. There are no such sidechains identified.

5.3.3 RNA (i)

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains (i)

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

5.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

5.6 Ligand geometry (i)

There are no ligands in this entry.

5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

The following chains have linkage breaks:

Mol	Chain	Number of breaks
2	1F	28
2	2N	28
2	23	28
2	3N	28
2	37	28
2	4J	28
2	4R	28
2	5Z	28
2	6F	28
2	6Z	28
2	7J	28
2	7V	28
2	1B	27
2	1J	27
2	1N	27
2	1R	27
2	1V	27
2	1Z	27
2	13	27
2	17	27
2	2B	27
2	2F	27
2	2J	27
2	2R	27
2	2V	27
2	2Z	27
2	27	27
2	3B	27
2	3F	27
2	3J	27
2	3R	27
2	3V	27
2	3Z	27
2	33	27
2	4B	27
2	4F	27
2	4N	27
2	4V	27
2	4Z	27
2	43	27
2	47	27
2	5B	27
2	5F	27

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Mol	Chain	Number of breaks
2	5J	27
2	5N	27
2	5R	27
2	5V	27
2	53	27
2	57	27
2	6B	27
2	6J	27
2	6N	27
2	6R	27
2	6V	27
2	63	27
2	67	27
2	7B	27
2	7F	27
2	7N	27
2	7R	27
1	1A	26
1	1E	26
1	1I	26
1	1M	26
1	1Q	26
1	1U	26
1	1Y	26
1	12	26
1	16	26
1	2A	26
1	2E	26
1	2I	26
1	2M	26
1	2Q	26
1	2U	26
1	2Y	26
1	22	26
1	26	26
1	3A	26
1	3E	26
1	3I	26
1	3M	26
1	3Q	26
1	3U	26
1	3Y	26

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Mol	Chain	Number of breaks
1	32	26
1	36	26
1	4A	26
1	4E	26
1	4I	26
1	4M	26
1	4Q	26
1	4U	26
1	4Y	26
1	42	26
1	46	26
1	5A	26
1	5E	26
1	5I	26
1	5M	26
1	5Q	26
1	5U	26
1	5Y	26
1	52	26
1	56	26
1	6A	26
1	6E	26
1	6I	26
1	6M	26
1	6Q	26
1	6U	26
1	6Y	26
1	62	26
1	66	26
1	7A	26
1	7E	26
1	7I	26
1	7M	26
1	7Q	26
1	7U	26

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	1B	91[A]:LYS	C	92:PRO	N	5.21
1	1F	91[A]:LYS	C	92:PRO	N	5.21
1	1J	91[A]:LYS	C	92:PRO	N	5.21
1	1N	91[A]:LYS	C	92:PRO	N	5.21

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	1R	91[A]:LYS	C	92:PRO	N	5.21
1	1V	91[A]:LYS	C	92:PRO	N	5.21
1	1Z	91[A]:LYS	C	92:PRO	N	5.21
1	13	91[A]:LYS	C	92:PRO	N	5.21
1	17	91[A]:LYS	C	92:PRO	N	5.21
1	2B	91[A]:LYS	C	92:PRO	N	5.21
1	2F	91[A]:LYS	C	92:PRO	N	5.21
1	2J	91[A]:LYS	C	92:PRO	N	5.21
1	2N	91[A]:LYS	C	92:PRO	N	5.21
1	2R	91[A]:LYS	C	92:PRO	N	5.21
1	2V	91[A]:LYS	C	92:PRO	N	5.21
1	2Z	91[A]:LYS	C	92:PRO	N	5.21
1	23	91[A]:LYS	C	92:PRO	N	5.21
1	27	91[A]:LYS	C	92:PRO	N	5.21
1	3B	91[A]:LYS	C	92:PRO	N	5.21
1	3F	91[A]:LYS	C	92:PRO	N	5.21
1	3J	91[A]:LYS	C	92:PRO	N	5.21
1	3N	91[A]:LYS	C	92:PRO	N	5.21
1	3R	91[A]:LYS	C	92:PRO	N	5.21
1	3V	91[A]:LYS	C	92:PRO	N	5.21
1	3Z	91[A]:LYS	C	92:PRO	N	5.21
1	33	91[A]:LYS	C	92:PRO	N	5.21
1	37	91[A]:LYS	C	92:PRO	N	5.21
1	4B	91[A]:LYS	C	92:PRO	N	5.21
1	4F	91[A]:LYS	C	92:PRO	N	5.21
1	4J	91[A]:LYS	C	92:PRO	N	5.21
1	4N	91[A]:LYS	C	92:PRO	N	5.21
1	4R	91[A]:LYS	C	92:PRO	N	5.21
1	4V	91[A]:LYS	C	92:PRO	N	5.21
1	4Z	91[A]:LYS	C	92:PRO	N	5.21
1	43	91[A]:LYS	C	92:PRO	N	5.21
1	47	91[A]:LYS	C	92:PRO	N	5.21
1	5B	91[A]:LYS	C	92:PRO	N	5.21
1	5F	91[A]:LYS	C	92:PRO	N	5.21
1	5J	91[A]:LYS	C	92:PRO	N	5.21
1	5N	91[A]:LYS	C	92:PRO	N	5.21
1	5R	91[A]:LYS	C	92:PRO	N	5.21
1	5V	91[A]:LYS	C	92:PRO	N	5.21
1	5Z	91[A]:LYS	C	92:PRO	N	5.21
1	53	91[A]:LYS	C	92:PRO	N	5.21
1	57	91[A]:LYS	C	92:PRO	N	5.21
1	6B	91[A]:LYS	C	92:PRO	N	5.21

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	6F	91[A]:LYS	C	92:PRO	N	5.21
1	6J	91[A]:LYS	C	92:PRO	N	5.21
1	6N	91[A]:LYS	C	92:PRO	N	5.21
1	6R	91[A]:LYS	C	92:PRO	N	5.21
1	6V	91[A]:LYS	C	92:PRO	N	5.21
1	6Z	91[A]:LYS	C	92:PRO	N	5.21
1	63	91[A]:LYS	C	92:PRO	N	5.21
1	67	91[A]:LYS	C	92:PRO	N	5.21
1	7B	91[A]:LYS	C	92:PRO	N	5.21
1	7F	91[A]:LYS	C	92:PRO	N	5.21
1	7J	91[A]:LYS	C	92:PRO	N	5.21
1	7N	91[A]:LYS	C	92:PRO	N	5.21
1	7R	91[A]:LYS	C	92:PRO	N	5.21
1	7V	91[A]:LYS	C	92:PRO	N	5.21
1	1B	99:TYR	C	100:PHE	N	4.60
1	1F	99:TYR	C	100:PHE	N	4.60
1	1J	99:TYR	C	100:PHE	N	4.60
1	1N	99:TYR	C	100:PHE	N	4.60
1	1R	99:TYR	C	100:PHE	N	4.60
1	1V	99:TYR	C	100:PHE	N	4.60
1	1Z	99:TYR	C	100:PHE	N	4.60
1	13	99:TYR	C	100:PHE	N	4.60
1	17	99:TYR	C	100:PHE	N	4.60
1	2B	99:TYR	C	100:PHE	N	4.60
1	2F	99:TYR	C	100:PHE	N	4.60
1	2J	99:TYR	C	100:PHE	N	4.60
1	2N	99:TYR	C	100:PHE	N	4.60
1	2R	99:TYR	C	100:PHE	N	4.60
1	2V	99:TYR	C	100:PHE	N	4.60
1	2Z	99:TYR	C	100:PHE	N	4.60
1	23	99:TYR	C	100:PHE	N	4.60
1	27	99:TYR	C	100:PHE	N	4.60
1	3B	99:TYR	C	100:PHE	N	4.60
1	3F	99:TYR	C	100:PHE	N	4.60
1	3J	99:TYR	C	100:PHE	N	4.60
1	3N	99:TYR	C	100:PHE	N	4.60
1	3R	99:TYR	C	100:PHE	N	4.60
1	3V	99:TYR	C	100:PHE	N	4.60
1	3Z	99:TYR	C	100:PHE	N	4.60
1	33	99:TYR	C	100:PHE	N	4.60
1	37	99:TYR	C	100:PHE	N	4.60
1	4B	99:TYR	C	100:PHE	N	4.60

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	4F	99:TYR	C	100:PHE	N	4.60
1	4J	99:TYR	C	100:PHE	N	4.60
1	4N	99:TYR	C	100:PHE	N	4.60
1	4R	99:TYR	C	100:PHE	N	4.60
1	4V	99:TYR	C	100:PHE	N	4.60
1	4Z	99:TYR	C	100:PHE	N	4.60
1	43	99:TYR	C	100:PHE	N	4.60
1	47	99:TYR	C	100:PHE	N	4.60
1	5B	99:TYR	C	100:PHE	N	4.60
1	5F	99:TYR	C	100:PHE	N	4.60
1	5J	99:TYR	C	100:PHE	N	4.60
1	5N	99:TYR	C	100:PHE	N	4.60
1	5R	99:TYR	C	100:PHE	N	4.60
1	5V	99:TYR	C	100:PHE	N	4.60
1	5Z	99:TYR	C	100:PHE	N	4.60
1	53	99:TYR	C	100:PHE	N	4.60
1	57	99:TYR	C	100:PHE	N	4.60
1	6B	99:TYR	C	100:PHE	N	4.60
1	6F	99:TYR	C	100:PHE	N	4.60
1	6J	99:TYR	C	100:PHE	N	4.60
1	6N	99:TYR	C	100:PHE	N	4.60
1	6R	99:TYR	C	100:PHE	N	4.60
1	6V	99:TYR	C	100:PHE	N	4.60
1	6Z	99:TYR	C	100:PHE	N	4.60
1	63	99:TYR	C	100:PHE	N	4.60
1	67	99:TYR	C	100:PHE	N	4.60
1	7B	99:TYR	C	100:PHE	N	4.60
1	7F	99:TYR	C	100:PHE	N	4.60
1	7J	99:TYR	C	100:PHE	N	4.60
1	7N	99:TYR	C	100:PHE	N	4.60
1	7R	99:TYR	C	100:PHE	N	4.60
1	7V	99:TYR	C	100:PHE	N	4.60
1	1A	18:PRO	C	19:SER	N	1.98
1	1E	18:PRO	C	19:SER	N	1.98
1	1I	18:PRO	C	19:SER	N	1.98
1	1M	18:PRO	C	19:SER	N	1.98
1	1Q	18:PRO	C	19:SER	N	1.98
1	1U	18:PRO	C	19:SER	N	1.98
1	1Y	18:PRO	C	19:SER	N	1.98
1	12	18:PRO	C	19:SER	N	1.98
1	16	18:PRO	C	19:SER	N	1.98
1	2A	18:PRO	C	19:SER	N	1.98

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2E	18:PRO	C	19:SER	N	1.98
1	2I	18:PRO	C	19:SER	N	1.98
1	2M	18:PRO	C	19:SER	N	1.98
1	2Q	18:PRO	C	19:SER	N	1.98
1	2U	18:PRO	C	19:SER	N	1.98
1	2Y	18:PRO	C	19:SER	N	1.98
1	22	18:PRO	C	19:SER	N	1.98
1	26	18:PRO	C	19:SER	N	1.98
1	3A	18:PRO	C	19:SER	N	1.98
1	3E	18:PRO	C	19:SER	N	1.98
1	3I	18:PRO	C	19:SER	N	1.98
1	3M	18:PRO	C	19:SER	N	1.98
1	3Q	18:PRO	C	19:SER	N	1.98
1	3U	18:PRO	C	19:SER	N	1.98
1	3Y	18:PRO	C	19:SER	N	1.98
1	32	18:PRO	C	19:SER	N	1.98
1	36	18:PRO	C	19:SER	N	1.98
1	4A	18:PRO	C	19:SER	N	1.98
1	4E	18:PRO	C	19:SER	N	1.98
1	4I	18:PRO	C	19:SER	N	1.98
1	4M	18:PRO	C	19:SER	N	1.98
1	4Q	18:PRO	C	19:SER	N	1.98
1	4U	18:PRO	C	19:SER	N	1.98
1	4Y	18:PRO	C	19:SER	N	1.98
1	42	18:PRO	C	19:SER	N	1.98
1	46	18:PRO	C	19:SER	N	1.98
1	5A	18:PRO	C	19:SER	N	1.98
1	5E	18:PRO	C	19:SER	N	1.98
1	5I	18:PRO	C	19:SER	N	1.98
1	5M	18:PRO	C	19:SER	N	1.98
1	5Q	18:PRO	C	19:SER	N	1.98
1	5U	18:PRO	C	19:SER	N	1.98
1	5Y	18:PRO	C	19:SER	N	1.98
1	52	18:PRO	C	19:SER	N	1.98
1	56	18:PRO	C	19:SER	N	1.98
1	6A	18:PRO	C	19:SER	N	1.98
1	6E	18:PRO	C	19:SER	N	1.98
1	6I	18:PRO	C	19:SER	N	1.98
1	6M	18:PRO	C	19:SER	N	1.98
1	6Q	18:PRO	C	19:SER	N	1.98
1	6U	18:PRO	C	19:SER	N	1.98
1	6Y	18:PRO	C	19:SER	N	1.98

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	62	18:PRO	C	19:SER	N	1.98
1	66	18:PRO	C	19:SER	N	1.98
1	7A	18:PRO	C	19:SER	N	1.98
1	7E	18:PRO	C	19:SER	N	1.98
1	7I	18:PRO	C	19:SER	N	1.98
1	7M	18:PRO	C	19:SER	N	1.98
1	7Q	18:PRO	C	19:SER	N	1.98
1	7U	18:PRO	C	19:SER	N	1.98
1	1B	208:SER	C	209:LEU	N	1.93
1	1F	208:SER	C	209:LEU	N	1.93
1	1J	208:SER	C	209:LEU	N	1.93
1	1N	208:SER	C	209:LEU	N	1.93
1	1R	208:SER	C	209:LEU	N	1.93
1	1V	208:SER	C	209:LEU	N	1.93
1	1Z	208:SER	C	209:LEU	N	1.93
1	13	208:SER	C	209:LEU	N	1.93
1	17	208:SER	C	209:LEU	N	1.93
1	2B	208:SER	C	209:LEU	N	1.93
1	2F	208:SER	C	209:LEU	N	1.93
1	2J	208:SER	C	209:LEU	N	1.93
1	2N	208:SER	C	209:LEU	N	1.93
1	2R	208:SER	C	209:LEU	N	1.93
1	2V	208:SER	C	209:LEU	N	1.93
1	2Z	208:SER	C	209:LEU	N	1.93
1	23	208:SER	C	209:LEU	N	1.93
1	27	208:SER	C	209:LEU	N	1.93
1	3B	208:SER	C	209:LEU	N	1.93
1	3F	208:SER	C	209:LEU	N	1.93
1	3J	208:SER	C	209:LEU	N	1.93
1	3N	208:SER	C	209:LEU	N	1.93
1	3R	208:SER	C	209:LEU	N	1.93
1	3V	208:SER	C	209:LEU	N	1.93
1	3Z	208:SER	C	209:LEU	N	1.93
1	33	208:SER	C	209:LEU	N	1.93
1	37	208:SER	C	209:LEU	N	1.93
1	4B	208:SER	C	209:LEU	N	1.93
1	4F	208:SER	C	209:LEU	N	1.93
1	4J	208:SER	C	209:LEU	N	1.93
1	4N	208:SER	C	209:LEU	N	1.93
1	4R	208:SER	C	209:LEU	N	1.93
1	4V	208:SER	C	209:LEU	N	1.93
1	4Z	208:SER	C	209:LEU	N	1.93

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	43	208:SER	C	209:LEU	N	1.93
1	47	208:SER	C	209:LEU	N	1.93
1	5B	208:SER	C	209:LEU	N	1.93
1	5F	208:SER	C	209:LEU	N	1.93
1	5J	208:SER	C	209:LEU	N	1.93
1	5N	208:SER	C	209:LEU	N	1.93
1	5R	208:SER	C	209:LEU	N	1.93
1	5V	208:SER	C	209:LEU	N	1.93
1	5Z	208:SER	C	209:LEU	N	1.93
1	53	208:SER	C	209:LEU	N	1.93
1	57	208:SER	C	209:LEU	N	1.93
1	6B	208:SER	C	209:LEU	N	1.93
1	6F	208:SER	C	209:LEU	N	1.93
1	6J	208:SER	C	209:LEU	N	1.93
1	6N	208:SER	C	209:LEU	N	1.93
1	6R	208:SER	C	209:LEU	N	1.93
1	6V	208:SER	C	209:LEU	N	1.93
1	6Z	208:SER	C	209:LEU	N	1.93
1	63	208:SER	C	209:LEU	N	1.93
1	67	208:SER	C	209:LEU	N	1.93
1	7B	208:SER	C	209:LEU	N	1.93
1	7F	208:SER	C	209:LEU	N	1.93
1	7J	208:SER	C	209:LEU	N	1.93
1	7N	208:SER	C	209:LEU	N	1.93
1	7R	208:SER	C	209:LEU	N	1.93
1	7V	208:SER	C	209:LEU	N	1.93
1	1B	21:THR	C	22:GLN	N	1.89
1	1F	21:THR	C	22:GLN	N	1.89
1	1J	21:THR	C	22:GLN	N	1.89
1	1N	21:THR	C	22:GLN	N	1.89
1	1R	21:THR	C	22:GLN	N	1.89
1	1V	21:THR	C	22:GLN	N	1.89
1	1Z	21:THR	C	22:GLN	N	1.89
1	13	21:THR	C	22:GLN	N	1.89
1	17	21:THR	C	22:GLN	N	1.89
1	2B	21:THR	C	22:GLN	N	1.89
1	2F	21:THR	C	22:GLN	N	1.89
1	2J	21:THR	C	22:GLN	N	1.89
1	2N	21:THR	C	22:GLN	N	1.89
1	2R	21:THR	C	22:GLN	N	1.89
1	2V	21:THR	C	22:GLN	N	1.89
1	2Z	21:THR	C	22:GLN	N	1.89

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	23	21:THR	C	22:GLN	N	1.89
1	27	21:THR	C	22:GLN	N	1.89
1	3B	21:THR	C	22:GLN	N	1.89
1	3F	21:THR	C	22:GLN	N	1.89
1	3J	21:THR	C	22:GLN	N	1.89
1	3N	21:THR	C	22:GLN	N	1.89
1	3R	21:THR	C	22:GLN	N	1.89
1	3V	21:THR	C	22:GLN	N	1.89
1	3Z	21:THR	C	22:GLN	N	1.89
1	33	21:THR	C	22:GLN	N	1.89
1	37	21:THR	C	22:GLN	N	1.89
1	4B	21:THR	C	22:GLN	N	1.89
1	4F	21:THR	C	22:GLN	N	1.89
1	4J	21:THR	C	22:GLN	N	1.89
1	4N	21:THR	C	22:GLN	N	1.89
1	4R	21:THR	C	22:GLN	N	1.89
1	4V	21:THR	C	22:GLN	N	1.89
1	4Z	21:THR	C	22:GLN	N	1.89
1	43	21:THR	C	22:GLN	N	1.89
1	47	21:THR	C	22:GLN	N	1.89
1	5B	21:THR	C	22:GLN	N	1.89
1	5F	21:THR	C	22:GLN	N	1.89
1	5J	21:THR	C	22:GLN	N	1.89
1	5N	21:THR	C	22:GLN	N	1.89
1	5R	21:THR	C	22:GLN	N	1.89
1	5V	21:THR	C	22:GLN	N	1.89
1	5Z	21:THR	C	22:GLN	N	1.89
1	53	21:THR	C	22:GLN	N	1.89
1	57	21:THR	C	22:GLN	N	1.89
1	6B	21:THR	C	22:GLN	N	1.89
1	6F	21:THR	C	22:GLN	N	1.89
1	6J	21:THR	C	22:GLN	N	1.89
1	6N	21:THR	C	22:GLN	N	1.89
1	6R	21:THR	C	22:GLN	N	1.89
1	6V	21:THR	C	22:GLN	N	1.89
1	6Z	21:THR	C	22:GLN	N	1.89
1	63	21:THR	C	22:GLN	N	1.89
1	67	21:THR	C	22:GLN	N	1.89
1	7B	21:THR	C	22:GLN	N	1.89
1	7F	21:THR	C	22:GLN	N	1.89
1	7J	21:THR	C	22:GLN	N	1.89
1	7N	21:THR	C	22:GLN	N	1.89

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	7R	21:THR	C	22:GLN	N	1.89
1	7V	21:THR	C	22:GLN	N	1.89
1	1B	43:SER	C	44:MET	N	1.84
1	1F	43:SER	C	44:MET	N	1.84
1	1J	43:SER	C	44:MET	N	1.84
1	1R	43:SER	C	44:MET	N	1.84
1	1V	43:SER	C	44:MET	N	1.84
1	1Z	43:SER	C	44:MET	N	1.84
1	2F	43:SER	C	44:MET	N	1.84
1	2N	43:SER	C	44:MET	N	1.84
1	2R	43:SER	C	44:MET	N	1.84
1	2V	43:SER	C	44:MET	N	1.84
1	2Z	43:SER	C	44:MET	N	1.84
1	23	43:SER	C	44:MET	N	1.84
1	27	43:SER	C	44:MET	N	1.84
1	3F	43:SER	C	44:MET	N	1.84
1	3N	43:SER	C	44:MET	N	1.84
1	37	43:SER	C	44:MET	N	1.84
1	4B	43:SER	C	44:MET	N	1.84
1	4J	43:SER	C	44:MET	N	1.84
1	4N	43:SER	C	44:MET	N	1.84
1	4R	43:SER	C	44:MET	N	1.84
1	4V	43:SER	C	44:MET	N	1.84
1	43	43:SER	C	44:MET	N	1.84
1	47	43:SER	C	44:MET	N	1.84
1	5B	43:SER	C	44:MET	N	1.84
1	5R	43:SER	C	44:MET	N	1.84
1	5Z	43:SER	C	44:MET	N	1.84
1	53	43:SER	C	44:MET	N	1.84
1	57	43:SER	C	44:MET	N	1.84
1	6B	43:SER	C	44:MET	N	1.84
1	6F	43:SER	C	44:MET	N	1.84
1	6J	43:SER	C	44:MET	N	1.84
1	6R	43:SER	C	44:MET	N	1.84
1	6Z	43:SER	C	44:MET	N	1.84
1	7J	43:SER	C	44:MET	N	1.84
1	7N	43:SER	C	44:MET	N	1.84
1	7V	43:SER	C	44:MET	N	1.84
1	1N	43:SER	C	44:MET	N	1.83
1	13	43:SER	C	44:MET	N	1.83
1	17	43:SER	C	44:MET	N	1.83
1	2B	43:SER	C	44:MET	N	1.83

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2J	43:SER	C	44:MET	N	1.83
1	3B	43:SER	C	44:MET	N	1.83
1	3J	43:SER	C	44:MET	N	1.83
1	3R	43:SER	C	44:MET	N	1.83
1	3V	43:SER	C	44:MET	N	1.83
1	3Z	43:SER	C	44:MET	N	1.83
1	33	43:SER	C	44:MET	N	1.83
1	4F	43:SER	C	44:MET	N	1.83
1	4Z	43:SER	C	44:MET	N	1.83
1	5F	43:SER	C	44:MET	N	1.83
1	5J	43:SER	C	44:MET	N	1.83
1	5N	43:SER	C	44:MET	N	1.83
1	5V	43:SER	C	44:MET	N	1.83
1	6N	43:SER	C	44:MET	N	1.83
1	6V	43:SER	C	44:MET	N	1.83
1	63	43:SER	C	44:MET	N	1.83
1	67	43:SER	C	44:MET	N	1.83
1	7B	43:SER	C	44:MET	N	1.83
1	7F	43:SER	C	44:MET	N	1.83
1	7R	43:SER	C	44:MET	N	1.83
1	1E	147:ARG	C	148:LEU	N	1.78
1	1M	147:ARG	C	148:LEU	N	1.78
1	2I	147:ARG	C	148:LEU	N	1.78
1	2M	147:ARG	C	148:LEU	N	1.78
1	22	147:ARG	C	148:LEU	N	1.78
1	3A	147:ARG	C	148:LEU	N	1.78
1	3I	147:ARG	C	148:LEU	N	1.78
1	3M	147:ARG	C	148:LEU	N	1.78
1	32	147:ARG	C	148:LEU	N	1.78
1	36	147:ARG	C	148:LEU	N	1.78
1	4E	147:ARG	C	148:LEU	N	1.78
1	4I	147:ARG	C	148:LEU	N	1.78
1	4Q	147:ARG	C	148:LEU	N	1.78
1	4Y	147:ARG	C	148:LEU	N	1.78
1	5U	147:ARG	C	148:LEU	N	1.78
1	5Y	147:ARG	C	148:LEU	N	1.78
1	6E	147:ARG	C	148:LEU	N	1.78
1	6M	147:ARG	C	148:LEU	N	1.78
1	6U	147:ARG	C	148:LEU	N	1.78
1	6Y	147:ARG	C	148:LEU	N	1.78
1	7E	147:ARG	C	148:LEU	N	1.78
1	7I	147:ARG	C	148:LEU	N	1.78

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	7Q	147:ARG	C	148:LEU	N	1.78
1	7U	147:ARG	C	148:LEU	N	1.78
1	1A	83:GLY	C	84:ARG	N	1.77
1	1A	90:PHE	C	91:PRO	N	1.77
1	1A	147:ARG	C	148:LEU	N	1.77
1	1E	83:GLY	C	84:ARG	N	1.77
1	1E	90:PHE	C	91:PRO	N	1.77
1	1I	83:GLY	C	84:ARG	N	1.77
1	1I	90:PHE	C	91:PRO	N	1.77
1	1I	147:ARG	C	148:LEU	N	1.77
1	1M	83:GLY	C	84:ARG	N	1.77
1	1M	90:PHE	C	91:PRO	N	1.77
1	1Q	83:GLY	C	84:ARG	N	1.77
1	1Q	90:PHE	C	91:PRO	N	1.77
1	1Q	147:ARG	C	148:LEU	N	1.77
1	1U	83:GLY	C	84:ARG	N	1.77
1	1U	90:PHE	C	91:PRO	N	1.77
1	1U	147:ARG	C	148:LEU	N	1.77
1	1Y	83:GLY	C	84:ARG	N	1.77
1	1Y	90:PHE	C	91:PRO	N	1.77
1	1Y	147:ARG	C	148:LEU	N	1.77
1	12	83:GLY	C	84:ARG	N	1.77
1	12	90:PHE	C	91:PRO	N	1.77
1	12	147:ARG	C	148:LEU	N	1.77
1	16	83:GLY	C	84:ARG	N	1.77
1	16	90:PHE	C	91:PRO	N	1.77
1	16	147:ARG	C	148:LEU	N	1.77
1	2A	83:GLY	C	84:ARG	N	1.77
1	2A	90:PHE	C	91:PRO	N	1.77
1	2A	147:ARG	C	148:LEU	N	1.77
1	2E	83:GLY	C	84:ARG	N	1.77
1	2E	90:PHE	C	91:PRO	N	1.77
1	2E	147:ARG	C	148:LEU	N	1.77
1	2I	83:GLY	C	84:ARG	N	1.77
1	2I	90:PHE	C	91:PRO	N	1.77
1	2M	83:GLY	C	84:ARG	N	1.77
1	2M	90:PHE	C	91:PRO	N	1.77
1	2Q	83:GLY	C	84:ARG	N	1.77
1	2Q	90:PHE	C	91:PRO	N	1.77
1	2Q	147:ARG	C	148:LEU	N	1.77
1	2U	83:GLY	C	84:ARG	N	1.77
1	2U	90:PHE	C	91:PRO	N	1.77

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2U	147:ARG	C	148:LEU	N	1.77
1	2Y	83:GLY	C	84:ARG	N	1.77
1	2Y	90:PHE	C	91:PRO	N	1.77
1	2Y	147:ARG	C	148:LEU	N	1.77
1	22	83:GLY	C	84:ARG	N	1.77
1	22	90:PHE	C	91:PRO	N	1.77
1	26	83:GLY	C	84:ARG	N	1.77
1	26	90:PHE	C	91:PRO	N	1.77
1	26	147:ARG	C	148:LEU	N	1.77
1	3A	83:GLY	C	84:ARG	N	1.77
1	3A	90:PHE	C	91:PRO	N	1.77
1	3E	83:GLY	C	84:ARG	N	1.77
1	3E	90:PHE	C	91:PRO	N	1.77
1	3E	147:ARG	C	148:LEU	N	1.77
1	3I	83:GLY	C	84:ARG	N	1.77
1	3I	90:PHE	C	91:PRO	N	1.77
1	3M	83:GLY	C	84:ARG	N	1.77
1	3M	90:PHE	C	91:PRO	N	1.77
1	3Q	83:GLY	C	84:ARG	N	1.77
1	3Q	90:PHE	C	91:PRO	N	1.77
1	3Q	147:ARG	C	148:LEU	N	1.77
1	3U	83:GLY	C	84:ARG	N	1.77
1	3U	90:PHE	C	91:PRO	N	1.77
1	3U	147:ARG	C	148:LEU	N	1.77
1	3Y	83:GLY	C	84:ARG	N	1.77
1	3Y	90:PHE	C	91:PRO	N	1.77
1	3Y	147:ARG	C	148:LEU	N	1.77
1	32	83:GLY	C	84:ARG	N	1.77
1	32	90:PHE	C	91:PRO	N	1.77
1	36	83:GLY	C	84:ARG	N	1.77
1	36	90:PHE	C	91:PRO	N	1.77
1	4A	83:GLY	C	84:ARG	N	1.77
1	4A	90:PHE	C	91:PRO	N	1.77
1	4A	147:ARG	C	148:LEU	N	1.77
1	4E	83:GLY	C	84:ARG	N	1.77
1	4E	90:PHE	C	91:PRO	N	1.77
1	4I	83:GLY	C	84:ARG	N	1.77
1	4I	90:PHE	C	91:PRO	N	1.77
1	4M	83:GLY	C	84:ARG	N	1.77
1	4M	90:PHE	C	91:PRO	N	1.77
1	4M	147:ARG	C	148:LEU	N	1.77
1	4Q	83:GLY	C	84:ARG	N	1.77

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	4Q	90:PHE	C	91:PRO	N	1.77
1	4U	83:GLY	C	84:ARG	N	1.77
1	4U	90:PHE	C	91:PRO	N	1.77
1	4U	147:ARG	C	148:LEU	N	1.77
1	4Y	83:GLY	C	84:ARG	N	1.77
1	4Y	90:PHE	C	91:PRO	N	1.77
1	42	83:GLY	C	84:ARG	N	1.77
1	42	90:PHE	C	91:PRO	N	1.77
1	42	147:ARG	C	148:LEU	N	1.77
1	46	83:GLY	C	84:ARG	N	1.77
1	46	90:PHE	C	91:PRO	N	1.77
1	46	147:ARG	C	148:LEU	N	1.77
1	5A	83:GLY	C	84:ARG	N	1.77
1	5A	90:PHE	C	91:PRO	N	1.77
1	5A	147:ARG	C	148:LEU	N	1.77
1	5E	83:GLY	C	84:ARG	N	1.77
1	5E	90:PHE	C	91:PRO	N	1.77
1	5E	147:ARG	C	148:LEU	N	1.77
1	5I	83:GLY	C	84:ARG	N	1.77
1	5I	90:PHE	C	91:PRO	N	1.77
1	5I	147:ARG	C	148:LEU	N	1.77
1	5M	83:GLY	C	84:ARG	N	1.77
1	5M	90:PHE	C	91:PRO	N	1.77
1	5M	147:ARG	C	148:LEU	N	1.77
1	5Q	83:GLY	C	84:ARG	N	1.77
1	5Q	90:PHE	C	91:PRO	N	1.77
1	5Q	147:ARG	C	148:LEU	N	1.77
1	5U	83:GLY	C	84:ARG	N	1.77
1	5U	90:PHE	C	91:PRO	N	1.77
1	5Y	83:GLY	C	84:ARG	N	1.77
1	5Y	90:PHE	C	91:PRO	N	1.77
1	52	83:GLY	C	84:ARG	N	1.77
1	52	90:PHE	C	91:PRO	N	1.77
1	52	147:ARG	C	148:LEU	N	1.77
1	56	83:GLY	C	84:ARG	N	1.77
1	56	90:PHE	C	91:PRO	N	1.77
1	56	147:ARG	C	148:LEU	N	1.77
1	6A	83:GLY	C	84:ARG	N	1.77
1	6A	90:PHE	C	91:PRO	N	1.77
1	6A	147:ARG	C	148:LEU	N	1.77
1	6E	83:GLY	C	84:ARG	N	1.77
1	6E	90:PHE	C	91:PRO	N	1.77

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	6I	83:GLY	C	84:ARG	N	1.77
1	6I	90:PHE	C	91:PRO	N	1.77
1	6I	147:ARG	C	148:LEU	N	1.77
1	6M	83:GLY	C	84:ARG	N	1.77
1	6M	90:PHE	C	91:PRO	N	1.77
1	6Q	83:GLY	C	84:ARG	N	1.77
1	6Q	90:PHE	C	91:PRO	N	1.77
1	6Q	147:ARG	C	148:LEU	N	1.77
1	6U	83:GLY	C	84:ARG	N	1.77
1	6U	90:PHE	C	91:PRO	N	1.77
1	6Y	83:GLY	C	84:ARG	N	1.77
1	6Y	90:PHE	C	91:PRO	N	1.77
1	62	83:GLY	C	84:ARG	N	1.77
1	62	90:PHE	C	91:PRO	N	1.77
1	62	147:ARG	C	148:LEU	N	1.77
1	66	83:GLY	C	84:ARG	N	1.77
1	66	90:PHE	C	91:PRO	N	1.77
1	66	147:ARG	C	148:LEU	N	1.77
1	7A	83:GLY	C	84:ARG	N	1.77
1	7A	90:PHE	C	91:PRO	N	1.77
1	7A	147:ARG	C	148:LEU	N	1.77
1	7E	83:GLY	C	84:ARG	N	1.77
1	7E	90:PHE	C	91:PRO	N	1.77
1	7I	83:GLY	C	84:ARG	N	1.77
1	7I	90:PHE	C	91:PRO	N	1.77
1	7M	83:GLY	C	84:ARG	N	1.77
1	7M	90:PHE	C	91:PRO	N	1.77
1	7M	147:ARG	C	148:LEU	N	1.77
1	7Q	83:GLY	C	84:ARG	N	1.77
1	7Q	90:PHE	C	91:PRO	N	1.77
1	7U	83:GLY	C	84:ARG	N	1.77
1	7U	90:PHE	C	91:PRO	N	1.77
1	1A	51:LEU	C	52:PHE	N	1.72
1	1E	51:LEU	C	52:PHE	N	1.72
1	1I	51:LEU	C	52:PHE	N	1.72
1	1M	51:LEU	C	52:PHE	N	1.72
1	1Q	51:LEU	C	52:PHE	N	1.72
1	1U	51:LEU	C	52:PHE	N	1.72
1	1Y	51:LEU	C	52:PHE	N	1.72
1	12	51:LEU	C	52:PHE	N	1.72
1	16	51:LEU	C	52:PHE	N	1.72
1	2A	51:LEU	C	52:PHE	N	1.72

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2E	51:LEU	C	52:PHE	N	1.72
1	2I	51:LEU	C	52:PHE	N	1.72
1	2M	51:LEU	C	52:PHE	N	1.72
1	2Q	51:LEU	C	52:PHE	N	1.72
1	2U	51:LEU	C	52:PHE	N	1.72
1	2Y	51:LEU	C	52:PHE	N	1.72
1	22	51:LEU	C	52:PHE	N	1.72
1	26	51:LEU	C	52:PHE	N	1.72
1	3A	51:LEU	C	52:PHE	N	1.72
1	3E	51:LEU	C	52:PHE	N	1.72
1	3I	51:LEU	C	52:PHE	N	1.72
1	3M	51:LEU	C	52:PHE	N	1.72
1	3Q	51:LEU	C	52:PHE	N	1.72
1	3U	51:LEU	C	52:PHE	N	1.72
1	3Y	51:LEU	C	52:PHE	N	1.72
1	32	51:LEU	C	52:PHE	N	1.72
1	36	51:LEU	C	52:PHE	N	1.72
1	4A	51:LEU	C	52:PHE	N	1.72
1	4E	51:LEU	C	52:PHE	N	1.72
1	4I	51:LEU	C	52:PHE	N	1.72
1	4M	51:LEU	C	52:PHE	N	1.72
1	4Q	51:LEU	C	52:PHE	N	1.72
1	4U	51:LEU	C	52:PHE	N	1.72
1	4Y	51:LEU	C	52:PHE	N	1.72
1	42	51:LEU	C	52:PHE	N	1.72
1	46	51:LEU	C	52:PHE	N	1.72
1	5A	51:LEU	C	52:PHE	N	1.72
1	5E	51:LEU	C	52:PHE	N	1.72
1	5I	51:LEU	C	52:PHE	N	1.72
1	5M	51:LEU	C	52:PHE	N	1.72
1	5Q	51:LEU	C	52:PHE	N	1.72
1	5U	51:LEU	C	52:PHE	N	1.72
1	5Y	51:LEU	C	52:PHE	N	1.72
1	52	51:LEU	C	52:PHE	N	1.72
1	56	51:LEU	C	52:PHE	N	1.72
1	6A	51:LEU	C	52:PHE	N	1.72
1	6E	51:LEU	C	52:PHE	N	1.72
1	6I	51:LEU	C	52:PHE	N	1.72
1	6M	51:LEU	C	52:PHE	N	1.72
1	6Q	51:LEU	C	52:PHE	N	1.72
1	6U	51:LEU	C	52:PHE	N	1.72
1	6Y	51:LEU	C	52:PHE	N	1.72

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	62	51:LEU	C	52:PHE	N	1.72
1	66	51:LEU	C	52:PHE	N	1.72
1	7A	51:LEU	C	52:PHE	N	1.72
1	7E	51:LEU	C	52:PHE	N	1.72
1	7I	51:LEU	C	52:PHE	N	1.72
1	7M	51:LEU	C	52:PHE	N	1.72
1	7Q	51:LEU	C	52:PHE	N	1.72
1	7U	51:LEU	C	52:PHE	N	1.72
1	1A	144:VAL	C	145:LEU	N	1.70
1	1E	144:VAL	C	145:LEU	N	1.70
1	1I	144:VAL	C	145:LEU	N	1.70
1	1M	144:VAL	C	145:LEU	N	1.70
1	1Q	144:VAL	C	145:LEU	N	1.70
1	1U	144:VAL	C	145:LEU	N	1.70
1	1Y	144:VAL	C	145:LEU	N	1.70
1	12	144:VAL	C	145:LEU	N	1.70
1	16	144:VAL	C	145:LEU	N	1.70
1	2A	144:VAL	C	145:LEU	N	1.70
1	2E	144:VAL	C	145:LEU	N	1.70
1	2I	144:VAL	C	145:LEU	N	1.70
1	2M	144:VAL	C	145:LEU	N	1.70
1	2Q	144:VAL	C	145:LEU	N	1.70
1	2U	144:VAL	C	145:LEU	N	1.70
1	2Y	144:VAL	C	145:LEU	N	1.70
1	22	144:VAL	C	145:LEU	N	1.70
1	26	144:VAL	C	145:LEU	N	1.70
1	3A	144:VAL	C	145:LEU	N	1.70
1	3E	144:VAL	C	145:LEU	N	1.70
1	3I	144:VAL	C	145:LEU	N	1.70
1	3M	144:VAL	C	145:LEU	N	1.70
1	3Q	144:VAL	C	145:LEU	N	1.70
1	3U	144:VAL	C	145:LEU	N	1.70
1	3Y	144:VAL	C	145:LEU	N	1.70
1	32	144:VAL	C	145:LEU	N	1.70
1	36	144:VAL	C	145:LEU	N	1.70
1	4A	144:VAL	C	145:LEU	N	1.70
1	4E	144:VAL	C	145:LEU	N	1.70
1	4I	144:VAL	C	145:LEU	N	1.70
1	4M	144:VAL	C	145:LEU	N	1.70
1	4Q	144:VAL	C	145:LEU	N	1.70
1	4U	144:VAL	C	145:LEU	N	1.70
1	4Y	144:VAL	C	145:LEU	N	1.70

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	42	144:VAL	C	145:LEU	N	1.70
1	46	144:VAL	C	145:LEU	N	1.70
1	5A	144:VAL	C	145:LEU	N	1.70
1	5E	144:VAL	C	145:LEU	N	1.70
1	5I	144:VAL	C	145:LEU	N	1.70
1	5M	144:VAL	C	145:LEU	N	1.70
1	5Q	144:VAL	C	145:LEU	N	1.70
1	5U	144:VAL	C	145:LEU	N	1.70
1	5Y	144:VAL	C	145:LEU	N	1.70
1	52	144:VAL	C	145:LEU	N	1.70
1	56	144:VAL	C	145:LEU	N	1.70
1	6A	144:VAL	C	145:LEU	N	1.70
1	6E	144:VAL	C	145:LEU	N	1.70
1	6I	144:VAL	C	145:LEU	N	1.70
1	6M	144:VAL	C	145:LEU	N	1.70
1	6Q	144:VAL	C	145:LEU	N	1.70
1	6U	144:VAL	C	145:LEU	N	1.70
1	6Y	144:VAL	C	145:LEU	N	1.70
1	62	144:VAL	C	145:LEU	N	1.70
1	66	144:VAL	C	145:LEU	N	1.70
1	7A	144:VAL	C	145:LEU	N	1.70
1	7E	144:VAL	C	145:LEU	N	1.70
1	7I	144:VAL	C	145:LEU	N	1.70
1	7M	144:VAL	C	145:LEU	N	1.70
1	7Q	144:VAL	C	145:LEU	N	1.70
1	7U	144:VAL	C	145:LEU	N	1.70
1	1B	13:THR	C	14:THR	N	1.69
1	1F	13:THR	C	14:THR	N	1.69
1	1J	13:THR	C	14:THR	N	1.69
1	1N	13:THR	C	14:THR	N	1.69
1	1R	13:THR	C	14:THR	N	1.69
1	1V	13:THR	C	14:THR	N	1.69
1	1Z	13:THR	C	14:THR	N	1.69
1	13	13:THR	C	14:THR	N	1.69
1	17	13:THR	C	14:THR	N	1.69
1	2B	13:THR	C	14:THR	N	1.69
1	2F	13:THR	C	14:THR	N	1.69
1	2J	13:THR	C	14:THR	N	1.69
1	2N	13:THR	C	14:THR	N	1.69
1	2R	13:THR	C	14:THR	N	1.69
1	2V	13:THR	C	14:THR	N	1.69
1	2Z	13:THR	C	14:THR	N	1.69

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	23	13:THR	C	14:THR	N	1.69
1	27	13:THR	C	14:THR	N	1.69
1	3B	13:THR	C	14:THR	N	1.69
1	3F	13:THR	C	14:THR	N	1.69
1	3J	13:THR	C	14:THR	N	1.69
1	3N	13:THR	C	14:THR	N	1.69
1	3R	13:THR	C	14:THR	N	1.69
1	3V	13:THR	C	14:THR	N	1.69
1	3Z	13:THR	C	14:THR	N	1.69
1	33	13:THR	C	14:THR	N	1.69
1	37	13:THR	C	14:THR	N	1.69
1	4B	13:THR	C	14:THR	N	1.69
1	4F	13:THR	C	14:THR	N	1.69
1	4J	13:THR	C	14:THR	N	1.69
1	4N	13:THR	C	14:THR	N	1.69
1	4R	13:THR	C	14:THR	N	1.69
1	4V	13:THR	C	14:THR	N	1.69
1	4Z	13:THR	C	14:THR	N	1.69
1	43	13:THR	C	14:THR	N	1.69
1	47	13:THR	C	14:THR	N	1.69
1	5B	13:THR	C	14:THR	N	1.69
1	5F	13:THR	C	14:THR	N	1.69
1	5J	13:THR	C	14:THR	N	1.69
1	5N	13:THR	C	14:THR	N	1.69
1	5R	13:THR	C	14:THR	N	1.69
1	5V	13:THR	C	14:THR	N	1.69
1	5Z	13:THR	C	14:THR	N	1.69
1	53	13:THR	C	14:THR	N	1.69
1	57	13:THR	C	14:THR	N	1.69
1	6B	13:THR	C	14:THR	N	1.69
1	6F	13:THR	C	14:THR	N	1.69
1	6J	13:THR	C	14:THR	N	1.69
1	6N	13:THR	C	14:THR	N	1.69
1	6R	13:THR	C	14:THR	N	1.69
1	6V	13:THR	C	14:THR	N	1.69
1	6Z	13:THR	C	14:THR	N	1.69
1	63	13:THR	C	14:THR	N	1.69
1	67	13:THR	C	14:THR	N	1.69
1	7B	13:THR	C	14:THR	N	1.69
1	7F	13:THR	C	14:THR	N	1.69
1	7J	13:THR	C	14:THR	N	1.69
1	7N	13:THR	C	14:THR	N	1.69

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	7R	13:THR	C	14:THR	N	1.69
1	7V	13:THR	C	14:THR	N	1.69
1	1A	15:SER	C	16:THR	N	1.68
1	1B	3:PRO	C	4:GLU	N	1.68
1	1B	24:PRO	C	25:SER	N	1.68
1	1E	15:SER	C	16:THR	N	1.68
1	1F	3:PRO	C	4:GLU	N	1.68
1	1F	24:PRO	C	25:SER	N	1.68
1	1I	15:SER	C	16:THR	N	1.68
1	1J	3:PRO	C	4:GLU	N	1.68
1	1J	24:PRO	C	25:SER	N	1.68
1	1M	15:SER	C	16:THR	N	1.68
1	1N	3:PRO	C	4:GLU	N	1.68
1	1N	24:PRO	C	25:SER	N	1.68
1	1Q	15:SER	C	16:THR	N	1.68
1	1R	3:PRO	C	4:GLU	N	1.68
1	1R	24:PRO	C	25:SER	N	1.68
1	1U	15:SER	C	16:THR	N	1.68
1	1V	3:PRO	C	4:GLU	N	1.68
1	1V	24:PRO	C	25:SER	N	1.68
1	1Y	15:SER	C	16:THR	N	1.68
1	1Z	3:PRO	C	4:GLU	N	1.68
1	1Z	24:PRO	C	25:SER	N	1.68
1	12	15:SER	C	16:THR	N	1.68
1	13	3:PRO	C	4:GLU	N	1.68
1	13	24:PRO	C	25:SER	N	1.68
1	16	15:SER	C	16:THR	N	1.68
1	17	3:PRO	C	4:GLU	N	1.68
1	17	24:PRO	C	25:SER	N	1.68
1	2A	15:SER	C	16:THR	N	1.68
1	2B	3:PRO	C	4:GLU	N	1.68
1	2B	24:PRO	C	25:SER	N	1.68
1	2E	15:SER	C	16:THR	N	1.68
1	2F	3:PRO	C	4:GLU	N	1.68
1	2F	24:PRO	C	25:SER	N	1.68
1	2I	15:SER	C	16:THR	N	1.68
1	2J	3:PRO	C	4:GLU	N	1.68
1	2J	24:PRO	C	25:SER	N	1.68
1	2M	15:SER	C	16:THR	N	1.68
1	2N	3:PRO	C	4:GLU	N	1.68
1	2N	24:PRO	C	25:SER	N	1.68
1	2Q	15:SER	C	16:THR	N	1.68

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2R	3:PRO	C	4:GLU	N	1.68
1	2R	24:PRO	C	25:SER	N	1.68
1	2U	15:SER	C	16:THR	N	1.68
1	2V	3:PRO	C	4:GLU	N	1.68
1	2V	24:PRO	C	25:SER	N	1.68
1	2Y	15:SER	C	16:THR	N	1.68
1	2Z	3:PRO	C	4:GLU	N	1.68
1	2Z	24:PRO	C	25:SER	N	1.68
1	22	15:SER	C	16:THR	N	1.68
1	23	3:PRO	C	4:GLU	N	1.68
1	23	24:PRO	C	25:SER	N	1.68
1	26	15:SER	C	16:THR	N	1.68
1	27	3:PRO	C	4:GLU	N	1.68
1	27	24:PRO	C	25:SER	N	1.68
1	3A	15:SER	C	16:THR	N	1.68
1	3B	3:PRO	C	4:GLU	N	1.68
1	3B	24:PRO	C	25:SER	N	1.68
1	3E	15:SER	C	16:THR	N	1.68
1	3F	3:PRO	C	4:GLU	N	1.68
1	3F	24:PRO	C	25:SER	N	1.68
1	3I	15:SER	C	16:THR	N	1.68
1	3J	3:PRO	C	4:GLU	N	1.68
1	3J	24:PRO	C	25:SER	N	1.68
1	3M	15:SER	C	16:THR	N	1.68
1	3N	3:PRO	C	4:GLU	N	1.68
1	3N	24:PRO	C	25:SER	N	1.68
1	3Q	15:SER	C	16:THR	N	1.68
1	3R	3:PRO	C	4:GLU	N	1.68
1	3R	24:PRO	C	25:SER	N	1.68
1	3U	15:SER	C	16:THR	N	1.68
1	3V	3:PRO	C	4:GLU	N	1.68
1	3V	24:PRO	C	25:SER	N	1.68
1	3Y	15:SER	C	16:THR	N	1.68
1	3Z	3:PRO	C	4:GLU	N	1.68
1	3Z	24:PRO	C	25:SER	N	1.68
1	32	15:SER	C	16:THR	N	1.68
1	33	3:PRO	C	4:GLU	N	1.68
1	33	24:PRO	C	25:SER	N	1.68
1	36	15:SER	C	16:THR	N	1.68
1	37	3:PRO	C	4:GLU	N	1.68
1	37	24:PRO	C	25:SER	N	1.68
1	4A	15:SER	C	16:THR	N	1.68

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	4B	3:PRO	C	4:GLU	N	1.68
1	4B	24:PRO	C	25:SER	N	1.68
1	4E	15:SER	C	16:THR	N	1.68
1	4F	3:PRO	C	4:GLU	N	1.68
1	4F	24:PRO	C	25:SER	N	1.68
1	4I	15:SER	C	16:THR	N	1.68
1	4J	3:PRO	C	4:GLU	N	1.68
1	4J	24:PRO	C	25:SER	N	1.68
1	4M	15:SER	C	16:THR	N	1.68
1	4N	3:PRO	C	4:GLU	N	1.68
1	4N	24:PRO	C	25:SER	N	1.68
1	4Q	15:SER	C	16:THR	N	1.68
1	4R	3:PRO	C	4:GLU	N	1.68
1	4R	24:PRO	C	25:SER	N	1.68
1	4U	15:SER	C	16:THR	N	1.68
1	4V	3:PRO	C	4:GLU	N	1.68
1	4V	24:PRO	C	25:SER	N	1.68
1	4Y	15:SER	C	16:THR	N	1.68
1	4Z	3:PRO	C	4:GLU	N	1.68
1	4Z	24:PRO	C	25:SER	N	1.68
1	42	15:SER	C	16:THR	N	1.68
1	43	3:PRO	C	4:GLU	N	1.68
1	43	24:PRO	C	25:SER	N	1.68
1	46	15:SER	C	16:THR	N	1.68
1	47	3:PRO	C	4:GLU	N	1.68
1	47	24:PRO	C	25:SER	N	1.68
1	5A	15:SER	C	16:THR	N	1.68
1	5B	3:PRO	C	4:GLU	N	1.68
1	5B	24:PRO	C	25:SER	N	1.68
1	5E	15:SER	C	16:THR	N	1.68
1	5F	3:PRO	C	4:GLU	N	1.68
1	5F	24:PRO	C	25:SER	N	1.68
1	5I	15:SER	C	16:THR	N	1.68
1	5J	3:PRO	C	4:GLU	N	1.68
1	5J	24:PRO	C	25:SER	N	1.68
1	5M	15:SER	C	16:THR	N	1.68
1	5N	3:PRO	C	4:GLU	N	1.68
1	5N	24:PRO	C	25:SER	N	1.68
1	5Q	15:SER	C	16:THR	N	1.68
1	5R	3:PRO	C	4:GLU	N	1.68
1	5R	24:PRO	C	25:SER	N	1.68
1	5U	15:SER	C	16:THR	N	1.68

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	5V	3:PRO	C	4:GLU	N	1.68
1	5V	24:PRO	C	25:SER	N	1.68
1	5Y	15:SER	C	16:THR	N	1.68
1	5Z	3:PRO	C	4:GLU	N	1.68
1	5Z	24:PRO	C	25:SER	N	1.68
1	52	15:SER	C	16:THR	N	1.68
1	53	3:PRO	C	4:GLU	N	1.68
1	53	24:PRO	C	25:SER	N	1.68
1	56	15:SER	C	16:THR	N	1.68
1	57	3:PRO	C	4:GLU	N	1.68
1	57	24:PRO	C	25:SER	N	1.68
1	6A	15:SER	C	16:THR	N	1.68
1	6B	3:PRO	C	4:GLU	N	1.68
1	6B	24:PRO	C	25:SER	N	1.68
1	6E	15:SER	C	16:THR	N	1.68
1	6F	3:PRO	C	4:GLU	N	1.68
1	6F	24:PRO	C	25:SER	N	1.68
1	6I	15:SER	C	16:THR	N	1.68
1	6J	3:PRO	C	4:GLU	N	1.68
1	6J	24:PRO	C	25:SER	N	1.68
1	6M	15:SER	C	16:THR	N	1.68
1	6N	3:PRO	C	4:GLU	N	1.68
1	6N	24:PRO	C	25:SER	N	1.68
1	6Q	15:SER	C	16:THR	N	1.68
1	6R	3:PRO	C	4:GLU	N	1.68
1	6R	24:PRO	C	25:SER	N	1.68
1	6U	15:SER	C	16:THR	N	1.68
1	6V	3:PRO	C	4:GLU	N	1.68
1	6V	24:PRO	C	25:SER	N	1.68
1	6Y	15:SER	C	16:THR	N	1.68
1	6Z	3:PRO	C	4:GLU	N	1.68
1	6Z	24:PRO	C	25:SER	N	1.68
1	62	15:SER	C	16:THR	N	1.68
1	63	3:PRO	C	4:GLU	N	1.68
1	63	24:PRO	C	25:SER	N	1.68
1	66	15:SER	C	16:THR	N	1.68
1	67	3:PRO	C	4:GLU	N	1.68
1	67	24:PRO	C	25:SER	N	1.68
1	7A	15:SER	C	16:THR	N	1.68
1	7B	3:PRO	C	4:GLU	N	1.68
1	7B	24:PRO	C	25:SER	N	1.68
1	7E	15:SER	C	16:THR	N	1.68

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	7F	3:PRO	C	4:GLU	N	1.68
1	7F	24:PRO	C	25:SER	N	1.68
1	7I	15:SER	C	16:THR	N	1.68
1	7J	3:PRO	C	4:GLU	N	1.68
1	7J	24:PRO	C	25:SER	N	1.68
1	7M	15:SER	C	16:THR	N	1.68
1	7N	3:PRO	C	4:GLU	N	1.68
1	7N	24:PRO	C	25:SER	N	1.68
1	7Q	15:SER	C	16:THR	N	1.68
1	7R	3:PRO	C	4:GLU	N	1.68
1	7R	24:PRO	C	25:SER	N	1.68
1	7U	15:SER	C	16:THR	N	1.68
1	7V	3:PRO	C	4:GLU	N	1.68
1	7V	24:PRO	C	25:SER	N	1.68
1	1A	12:MET	C	13:ALA	N	1.66
1	1A	48:TYR	C	49:LEU	N	1.66
1	1E	12:MET	C	13:ALA	N	1.66
1	1E	48:TYR	C	49:LEU	N	1.66
1	1I	12:MET	C	13:ALA	N	1.66
1	1I	48:TYR	C	49:LEU	N	1.66
1	1M	12:MET	C	13:ALA	N	1.66
1	1M	48:TYR	C	49:LEU	N	1.66
1	1Q	12:MET	C	13:ALA	N	1.66
1	1Q	48:TYR	C	49:LEU	N	1.66
1	1U	12:MET	C	13:ALA	N	1.66
1	1U	48:TYR	C	49:LEU	N	1.66
1	1Y	12:MET	C	13:ALA	N	1.66
1	1Y	48:TYR	C	49:LEU	N	1.66
1	12	12:MET	C	13:ALA	N	1.66
1	12	48:TYR	C	49:LEU	N	1.66
1	16	12:MET	C	13:ALA	N	1.66
1	16	48:TYR	C	49:LEU	N	1.66
1	2A	12:MET	C	13:ALA	N	1.66
1	2A	48:TYR	C	49:LEU	N	1.66
1	2E	12:MET	C	13:ALA	N	1.66
1	2E	48:TYR	C	49:LEU	N	1.66
1	2I	12:MET	C	13:ALA	N	1.66
1	2I	48:TYR	C	49:LEU	N	1.66
1	2M	12:MET	C	13:ALA	N	1.66
1	2M	48:TYR	C	49:LEU	N	1.66
1	2Q	12:MET	C	13:ALA	N	1.66
1	2Q	48:TYR	C	49:LEU	N	1.66

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2U	12:MET	C	13:ALA	N	1.66
1	2U	48:TYR	C	49:LEU	N	1.66
1	2Y	12:MET	C	13:ALA	N	1.66
1	2Y	48:TYR	C	49:LEU	N	1.66
1	22	12:MET	C	13:ALA	N	1.66
1	22	48:TYR	C	49:LEU	N	1.66
1	26	12:MET	C	13:ALA	N	1.66
1	26	48:TYR	C	49:LEU	N	1.66
1	3A	12:MET	C	13:ALA	N	1.66
1	3A	48:TYR	C	49:LEU	N	1.66
1	3E	12:MET	C	13:ALA	N	1.66
1	3E	48:TYR	C	49:LEU	N	1.66
1	3I	12:MET	C	13:ALA	N	1.66
1	3I	48:TYR	C	49:LEU	N	1.66
1	3M	12:MET	C	13:ALA	N	1.66
1	3M	48:TYR	C	49:LEU	N	1.66
1	3Q	12:MET	C	13:ALA	N	1.66
1	3Q	48:TYR	C	49:LEU	N	1.66
1	3U	12:MET	C	13:ALA	N	1.66
1	3U	48:TYR	C	49:LEU	N	1.66
1	3Y	12:MET	C	13:ALA	N	1.66
1	3Y	48:TYR	C	49:LEU	N	1.66
1	32	12:MET	C	13:ALA	N	1.66
1	32	48:TYR	C	49:LEU	N	1.66
1	36	12:MET	C	13:ALA	N	1.66
1	36	48:TYR	C	49:LEU	N	1.66
1	4A	12:MET	C	13:ALA	N	1.66
1	4A	48:TYR	C	49:LEU	N	1.66
1	4E	12:MET	C	13:ALA	N	1.66
1	4E	48:TYR	C	49:LEU	N	1.66
1	4I	12:MET	C	13:ALA	N	1.66
1	4I	48:TYR	C	49:LEU	N	1.66
1	4M	12:MET	C	13:ALA	N	1.66
1	4M	48:TYR	C	49:LEU	N	1.66
1	4Q	12:MET	C	13:ALA	N	1.66
1	4Q	48:TYR	C	49:LEU	N	1.66
1	4U	12:MET	C	13:ALA	N	1.66
1	4U	48:TYR	C	49:LEU	N	1.66
1	4Y	12:MET	C	13:ALA	N	1.66
1	4Y	48:TYR	C	49:LEU	N	1.66
1	42	12:MET	C	13:ALA	N	1.66
1	42	48:TYR	C	49:LEU	N	1.66

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	46	12:MET	C	13:ALA	N	1.66
1	46	48:TYR	C	49:LEU	N	1.66
1	5A	12:MET	C	13:ALA	N	1.66
1	5A	48:TYR	C	49:LEU	N	1.66
1	5E	12:MET	C	13:ALA	N	1.66
1	5E	48:TYR	C	49:LEU	N	1.66
1	5I	12:MET	C	13:ALA	N	1.66
1	5I	48:TYR	C	49:LEU	N	1.66
1	5M	12:MET	C	13:ALA	N	1.66
1	5M	48:TYR	C	49:LEU	N	1.66
1	5Q	12:MET	C	13:ALA	N	1.66
1	5Q	48:TYR	C	49:LEU	N	1.66
1	5U	12:MET	C	13:ALA	N	1.66
1	5U	48:TYR	C	49:LEU	N	1.66
1	5Y	12:MET	C	13:ALA	N	1.66
1	5Y	48:TYR	C	49:LEU	N	1.66
1	52	12:MET	C	13:ALA	N	1.66
1	52	48:TYR	C	49:LEU	N	1.66
1	56	12:MET	C	13:ALA	N	1.66
1	56	48:TYR	C	49:LEU	N	1.66
1	6A	12:MET	C	13:ALA	N	1.66
1	6A	48:TYR	C	49:LEU	N	1.66
1	6E	12:MET	C	13:ALA	N	1.66
1	6E	48:TYR	C	49:LEU	N	1.66
1	6I	12:MET	C	13:ALA	N	1.66
1	6I	48:TYR	C	49:LEU	N	1.66
1	6M	12:MET	C	13:ALA	N	1.66
1	6M	48:TYR	C	49:LEU	N	1.66
1	6Q	12:MET	C	13:ALA	N	1.66
1	6Q	48:TYR	C	49:LEU	N	1.66
1	6U	12:MET	C	13:ALA	N	1.66
1	6U	48:TYR	C	49:LEU	N	1.66
1	6Y	12:MET	C	13:ALA	N	1.66
1	6Y	48:TYR	C	49:LEU	N	1.66
1	62	12:MET	C	13:ALA	N	1.66
1	62	48:TYR	C	49:LEU	N	1.66
1	66	12:MET	C	13:ALA	N	1.66
1	66	48:TYR	C	49:LEU	N	1.66
1	7A	12:MET	C	13:ALA	N	1.66
1	7A	48:TYR	C	49:LEU	N	1.66
1	7E	12:MET	C	13:ALA	N	1.66
1	7E	48:TYR	C	49:LEU	N	1.66

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	7I	12:MET	C	13:ALA	N	1.66
1	7I	48:TYR	C	49:LEU	N	1.66
1	7M	12:MET	C	13:ALA	N	1.66
1	7M	48:TYR	C	49:LEU	N	1.66
1	7Q	12:MET	C	13:ALA	N	1.66
1	7Q	48:TYR	C	49:LEU	N	1.66
1	7U	12:MET	C	13:ALA	N	1.66
1	7U	48:TYR	C	49:LEU	N	1.66
1	1A	30:PHE	C	31:LYS	N	1.65
1	1A	166:MET	C	167:GLY	N	1.65
1	1E	30:PHE	C	31:LYS	N	1.65
1	1E	166:MET	C	167:GLY	N	1.65
1	1I	30:PHE	C	31:LYS	N	1.65
1	1I	166:MET	C	167:GLY	N	1.65
1	1M	30:PHE	C	31:LYS	N	1.65
1	1M	166:MET	C	167:GLY	N	1.65
1	1Q	30:PHE	C	31:LYS	N	1.65
1	1Q	166:MET	C	167:GLY	N	1.65
1	1U	30:PHE	C	31:LYS	N	1.65
1	1U	166:MET	C	167:GLY	N	1.65
1	1Y	30:PHE	C	31:LYS	N	1.65
1	1Y	166:MET	C	167:GLY	N	1.65
1	12	30:PHE	C	31:LYS	N	1.65
1	12	166:MET	C	167:GLY	N	1.65
1	16	30:PHE	C	31:LYS	N	1.65
1	16	166:MET	C	167:GLY	N	1.65
1	2A	30:PHE	C	31:LYS	N	1.65
1	2A	166:MET	C	167:GLY	N	1.65
1	2E	30:PHE	C	31:LYS	N	1.65
1	2E	166:MET	C	167:GLY	N	1.65
1	2I	30:PHE	C	31:LYS	N	1.65
1	2I	166:MET	C	167:GLY	N	1.65
1	2M	30:PHE	C	31:LYS	N	1.65
1	2M	166:MET	C	167:GLY	N	1.65
1	2Q	30:PHE	C	31:LYS	N	1.65
1	2Q	166:MET	C	167:GLY	N	1.65
1	2U	30:PHE	C	31:LYS	N	1.65
1	2U	166:MET	C	167:GLY	N	1.65
1	2Y	30:PHE	C	31:LYS	N	1.65
1	2Y	166:MET	C	167:GLY	N	1.65
1	22	30:PHE	C	31:LYS	N	1.65
1	22	166:MET	C	167:GLY	N	1.65

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	26	30:PHE	C	31:LYS	N	1.65
1	26	166:MET	C	167:GLY	N	1.65
1	3A	30:PHE	C	31:LYS	N	1.65
1	3A	166:MET	C	167:GLY	N	1.65
1	3E	30:PHE	C	31:LYS	N	1.65
1	3E	166:MET	C	167:GLY	N	1.65
1	3I	30:PHE	C	31:LYS	N	1.65
1	3I	166:MET	C	167:GLY	N	1.65
1	3M	30:PHE	C	31:LYS	N	1.65
1	3M	166:MET	C	167:GLY	N	1.65
1	3Q	30:PHE	C	31:LYS	N	1.65
1	3Q	166:MET	C	167:GLY	N	1.65
1	3U	30:PHE	C	31:LYS	N	1.65
1	3U	166:MET	C	167:GLY	N	1.65
1	3Y	30:PHE	C	31:LYS	N	1.65
1	3Y	166:MET	C	167:GLY	N	1.65
1	32	30:PHE	C	31:LYS	N	1.65
1	32	166:MET	C	167:GLY	N	1.65
1	36	30:PHE	C	31:LYS	N	1.65
1	36	166:MET	C	167:GLY	N	1.65
1	4A	30:PHE	C	31:LYS	N	1.65
1	4A	166:MET	C	167:GLY	N	1.65
1	4E	30:PHE	C	31:LYS	N	1.65
1	4E	166:MET	C	167:GLY	N	1.65
1	4I	30:PHE	C	31:LYS	N	1.65
1	4I	166:MET	C	167:GLY	N	1.65
1	4M	30:PHE	C	31:LYS	N	1.65
1	4M	166:MET	C	167:GLY	N	1.65
1	4Q	30:PHE	C	31:LYS	N	1.65
1	4Q	166:MET	C	167:GLY	N	1.65
1	4U	30:PHE	C	31:LYS	N	1.65
1	4U	166:MET	C	167:GLY	N	1.65
1	4Y	30:PHE	C	31:LYS	N	1.65
1	4Y	166:MET	C	167:GLY	N	1.65
1	42	30:PHE	C	31:LYS	N	1.65
1	42	166:MET	C	167:GLY	N	1.65
1	46	30:PHE	C	31:LYS	N	1.65
1	46	166:MET	C	167:GLY	N	1.65
1	5A	30:PHE	C	31:LYS	N	1.65
1	5A	166:MET	C	167:GLY	N	1.65
1	5E	30:PHE	C	31:LYS	N	1.65
1	5E	166:MET	C	167:GLY	N	1.65

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	5I	30:PHE	C	31:LYS	N	1.65
1	5I	166:MET	C	167:GLY	N	1.65
1	5M	30:PHE	C	31:LYS	N	1.65
1	5M	166:MET	C	167:GLY	N	1.65
1	5Q	30:PHE	C	31:LYS	N	1.65
1	5Q	166:MET	C	167:GLY	N	1.65
1	5U	30:PHE	C	31:LYS	N	1.65
1	5U	166:MET	C	167:GLY	N	1.65
1	5Y	30:PHE	C	31:LYS	N	1.65
1	5Y	166:MET	C	167:GLY	N	1.65
1	52	30:PHE	C	31:LYS	N	1.65
1	52	166:MET	C	167:GLY	N	1.65
1	56	30:PHE	C	31:LYS	N	1.65
1	56	166:MET	C	167:GLY	N	1.65
1	6A	30:PHE	C	31:LYS	N	1.65
1	6A	166:MET	C	167:GLY	N	1.65
1	6E	30:PHE	C	31:LYS	N	1.65
1	6E	166:MET	C	167:GLY	N	1.65
1	6I	30:PHE	C	31:LYS	N	1.65
1	6I	166:MET	C	167:GLY	N	1.65
1	6M	30:PHE	C	31:LYS	N	1.65
1	6M	166:MET	C	167:GLY	N	1.65
1	6Q	30:PHE	C	31:LYS	N	1.65
1	6Q	166:MET	C	167:GLY	N	1.65
1	6U	30:PHE	C	31:LYS	N	1.65
1	6U	166:MET	C	167:GLY	N	1.65
1	6Y	30:PHE	C	31:LYS	N	1.65
1	6Y	166:MET	C	167:GLY	N	1.65
1	62	30:PHE	C	31:LYS	N	1.65
1	62	166:MET	C	167:GLY	N	1.65
1	66	30:PHE	C	31:LYS	N	1.65
1	66	166:MET	C	167:GLY	N	1.65
1	7A	30:PHE	C	31:LYS	N	1.65
1	7A	166:MET	C	167:GLY	N	1.65
1	7E	30:PHE	C	31:LYS	N	1.65
1	7E	166:MET	C	167:GLY	N	1.65
1	7I	30:PHE	C	31:LYS	N	1.65
1	7I	166:MET	C	167:GLY	N	1.65
1	7M	30:PHE	C	31:LYS	N	1.65
1	7M	166:MET	C	167:GLY	N	1.65
1	7Q	30:PHE	C	31:LYS	N	1.65
1	7Q	166:MET	C	167:GLY	N	1.65

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	7U	30:PHE	C	31:LYS	N	1.65
1	7U	166:MET	C	167:GLY	N	1.65
1	1B	9:VAL	C	10:GLN	N	1.64
1	1B	54:ASN	C	55:PRO	N	1.64
1	1F	9:VAL	C	10:GLN	N	1.64
1	1F	54:ASN	C	55:PRO	N	1.64
1	1J	9:VAL	C	10:GLN	N	1.64
1	1J	54:ASN	C	55:PRO	N	1.64
1	1N	9:VAL	C	10:GLN	N	1.64
1	1N	54:ASN	C	55:PRO	N	1.64
1	1R	9:VAL	C	10:GLN	N	1.64
1	1R	54:ASN	C	55:PRO	N	1.64
1	1V	9:VAL	C	10:GLN	N	1.64
1	1V	54:ASN	C	55:PRO	N	1.64
1	1Z	9:VAL	C	10:GLN	N	1.64
1	1Z	54:ASN	C	55:PRO	N	1.64
1	13	9:VAL	C	10:GLN	N	1.64
1	13	54:ASN	C	55:PRO	N	1.64
1	17	9:VAL	C	10:GLN	N	1.64
1	17	54:ASN	C	55:PRO	N	1.64
1	2B	9:VAL	C	10:GLN	N	1.64
1	2B	54:ASN	C	55:PRO	N	1.64
1	2F	9:VAL	C	10:GLN	N	1.64
1	2F	54:ASN	C	55:PRO	N	1.64
1	2J	9:VAL	C	10:GLN	N	1.64
1	2J	54:ASN	C	55:PRO	N	1.64
1	2N	9:VAL	C	10:GLN	N	1.64
1	2N	54:ASN	C	55:PRO	N	1.64
1	2R	9:VAL	C	10:GLN	N	1.64
1	2R	54:ASN	C	55:PRO	N	1.64
1	2V	9:VAL	C	10:GLN	N	1.64
1	2V	54:ASN	C	55:PRO	N	1.64
1	2Z	9:VAL	C	10:GLN	N	1.64
1	2Z	54:ASN	C	55:PRO	N	1.64
1	23	9:VAL	C	10:GLN	N	1.64
1	23	54:ASN	C	55:PRO	N	1.64
1	27	9:VAL	C	10:GLN	N	1.64
1	27	54:ASN	C	55:PRO	N	1.64
1	3B	9:VAL	C	10:GLN	N	1.64
1	3B	54:ASN	C	55:PRO	N	1.64
1	3F	9:VAL	C	10:GLN	N	1.64
1	3F	54:ASN	C	55:PRO	N	1.64

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	3J	9:VAL	C	10:GLN	N	1.64
1	3J	54:ASN	C	55:PRO	N	1.64
1	3N	9:VAL	C	10:GLN	N	1.64
1	3N	54:ASN	C	55:PRO	N	1.64
1	3R	9:VAL	C	10:GLN	N	1.64
1	3R	54:ASN	C	55:PRO	N	1.64
1	3V	9:VAL	C	10:GLN	N	1.64
1	3V	54:ASN	C	55:PRO	N	1.64
1	3Z	9:VAL	C	10:GLN	N	1.64
1	3Z	54:ASN	C	55:PRO	N	1.64
1	33	9:VAL	C	10:GLN	N	1.64
1	33	54:ASN	C	55:PRO	N	1.64
1	37	9:VAL	C	10:GLN	N	1.64
1	37	54:ASN	C	55:PRO	N	1.64
1	4B	9:VAL	C	10:GLN	N	1.64
1	4B	54:ASN	C	55:PRO	N	1.64
1	4F	9:VAL	C	10:GLN	N	1.64
1	4F	54:ASN	C	55:PRO	N	1.64
1	4J	9:VAL	C	10:GLN	N	1.64
1	4J	54:ASN	C	55:PRO	N	1.64
1	4N	9:VAL	C	10:GLN	N	1.64
1	4N	54:ASN	C	55:PRO	N	1.64
1	4R	9:VAL	C	10:GLN	N	1.64
1	4R	54:ASN	C	55:PRO	N	1.64
1	4V	9:VAL	C	10:GLN	N	1.64
1	4V	54:ASN	C	55:PRO	N	1.64
1	4Z	9:VAL	C	10:GLN	N	1.64
1	4Z	54:ASN	C	55:PRO	N	1.64
1	43	9:VAL	C	10:GLN	N	1.64
1	43	54:ASN	C	55:PRO	N	1.64
1	47	9:VAL	C	10:GLN	N	1.64
1	47	54:ASN	C	55:PRO	N	1.64
1	5B	9:VAL	C	10:GLN	N	1.64
1	5B	54:ASN	C	55:PRO	N	1.64
1	5F	9:VAL	C	10:GLN	N	1.64
1	5F	54:ASN	C	55:PRO	N	1.64
1	5J	9:VAL	C	10:GLN	N	1.64
1	5J	54:ASN	C	55:PRO	N	1.64
1	5N	9:VAL	C	10:GLN	N	1.64
1	5N	54:ASN	C	55:PRO	N	1.64
1	5R	9:VAL	C	10:GLN	N	1.64
1	5R	54:ASN	C	55:PRO	N	1.64

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	5V	9:VAL	C	10:GLN	N	1.64
1	5V	54:ASN	C	55:PRO	N	1.64
1	5Z	9:VAL	C	10:GLN	N	1.64
1	5Z	54:ASN	C	55:PRO	N	1.64
1	53	9:VAL	C	10:GLN	N	1.64
1	53	54:ASN	C	55:PRO	N	1.64
1	57	9:VAL	C	10:GLN	N	1.64
1	57	54:ASN	C	55:PRO	N	1.64
1	6B	9:VAL	C	10:GLN	N	1.64
1	6B	54:ASN	C	55:PRO	N	1.64
1	6F	9:VAL	C	10:GLN	N	1.64
1	6F	54:ASN	C	55:PRO	N	1.64
1	6J	9:VAL	C	10:GLN	N	1.64
1	6J	54:ASN	C	55:PRO	N	1.64
1	6N	9:VAL	C	10:GLN	N	1.64
1	6N	54:ASN	C	55:PRO	N	1.64
1	6R	9:VAL	C	10:GLN	N	1.64
1	6R	54:ASN	C	55:PRO	N	1.64
1	6V	9:VAL	C	10:GLN	N	1.64
1	6V	54:ASN	C	55:PRO	N	1.64
1	6Z	9:VAL	C	10:GLN	N	1.64
1	6Z	54:ASN	C	55:PRO	N	1.64
1	63	9:VAL	C	10:GLN	N	1.64
1	63	54:ASN	C	55:PRO	N	1.64
1	67	9:VAL	C	10:GLN	N	1.64
1	67	54:ASN	C	55:PRO	N	1.64
1	7B	9:VAL	C	10:GLN	N	1.64
1	7B	54:ASN	C	55:PRO	N	1.64
1	7F	9:VAL	C	10:GLN	N	1.64
1	7F	54:ASN	C	55:PRO	N	1.64
1	7J	9:VAL	C	10:GLN	N	1.64
1	7J	54:ASN	C	55:PRO	N	1.64
1	7N	9:VAL	C	10:GLN	N	1.64
1	7N	54:ASN	C	55:PRO	N	1.64
1	7R	9:VAL	C	10:GLN	N	1.64
1	7R	54:ASN	C	55:PRO	N	1.64
1	7V	9:VAL	C	10:GLN	N	1.64
1	7V	54:ASN	C	55:PRO	N	1.64
1	1B	29:MET	C	30:PRO	N	1.63
1	1B	75:GLN	C	76:ILE	N	1.63
1	1F	29:MET	C	30:PRO	N	1.63
1	1F	75:GLN	C	76:ILE	N	1.63

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	1J	29:MET	C	30:PRO	N	1.63
1	1J	75:GLN	C	76:ILE	N	1.63
1	1N	29:MET	C	30:PRO	N	1.63
1	1N	75:GLN	C	76:ILE	N	1.63
1	1R	29:MET	C	30:PRO	N	1.63
1	1R	75:GLN	C	76:ILE	N	1.63
1	1V	29:MET	C	30:PRO	N	1.63
1	1V	75:GLN	C	76:ILE	N	1.63
1	1Z	29:MET	C	30:PRO	N	1.63
1	1Z	75:GLN	C	76:ILE	N	1.63
1	13	29:MET	C	30:PRO	N	1.63
1	13	75:GLN	C	76:ILE	N	1.63
1	17	29:MET	C	30:PRO	N	1.63
1	17	75:GLN	C	76:ILE	N	1.63
1	2B	29:MET	C	30:PRO	N	1.63
1	2B	75:GLN	C	76:ILE	N	1.63
1	2F	29:MET	C	30:PRO	N	1.63
1	2F	75:GLN	C	76:ILE	N	1.63
1	2J	29:MET	C	30:PRO	N	1.63
1	2J	75:GLN	C	76:ILE	N	1.63
1	2N	29:MET	C	30:PRO	N	1.63
1	2N	75:GLN	C	76:ILE	N	1.63
1	2R	29:MET	C	30:PRO	N	1.63
1	2R	75:GLN	C	76:ILE	N	1.63
1	2V	29:MET	C	30:PRO	N	1.63
1	2V	75:GLN	C	76:ILE	N	1.63
1	2Z	29:MET	C	30:PRO	N	1.63
1	2Z	75:GLN	C	76:ILE	N	1.63
1	23	29:MET	C	30:PRO	N	1.63
1	23	75:GLN	C	76:ILE	N	1.63
1	27	29:MET	C	30:PRO	N	1.63
1	27	75:GLN	C	76:ILE	N	1.63
1	3B	29:MET	C	30:PRO	N	1.63
1	3B	75:GLN	C	76:ILE	N	1.63
1	3F	29:MET	C	30:PRO	N	1.63
1	3F	75:GLN	C	76:ILE	N	1.63
1	3J	29:MET	C	30:PRO	N	1.63
1	3J	75:GLN	C	76:ILE	N	1.63
1	3N	29:MET	C	30:PRO	N	1.63
1	3N	75:GLN	C	76:ILE	N	1.63
1	3R	29:MET	C	30:PRO	N	1.63
1	3R	75:GLN	C	76:ILE	N	1.63

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	3V	29:MET	C	30:PRO	N	1.63
1	3V	75:GLN	C	76:ILE	N	1.63
1	3Z	29:MET	C	30:PRO	N	1.63
1	3Z	75:GLN	C	76:ILE	N	1.63
1	33	29:MET	C	30:PRO	N	1.63
1	33	75:GLN	C	76:ILE	N	1.63
1	37	29:MET	C	30:PRO	N	1.63
1	37	75:GLN	C	76:ILE	N	1.63
1	4B	29:MET	C	30:PRO	N	1.63
1	4B	75:GLN	C	76:ILE	N	1.63
1	4F	29:MET	C	30:PRO	N	1.63
1	4F	75:GLN	C	76:ILE	N	1.63
1	4J	29:MET	C	30:PRO	N	1.63
1	4J	75:GLN	C	76:ILE	N	1.63
1	4N	29:MET	C	30:PRO	N	1.63
1	4N	75:GLN	C	76:ILE	N	1.63
1	4R	29:MET	C	30:PRO	N	1.63
1	4R	75:GLN	C	76:ILE	N	1.63
1	4V	29:MET	C	30:PRO	N	1.63
1	4V	75:GLN	C	76:ILE	N	1.63
1	4Z	29:MET	C	30:PRO	N	1.63
1	4Z	75:GLN	C	76:ILE	N	1.63
1	43	29:MET	C	30:PRO	N	1.63
1	43	75:GLN	C	76:ILE	N	1.63
1	47	29:MET	C	30:PRO	N	1.63
1	47	75:GLN	C	76:ILE	N	1.63
1	5B	29:MET	C	30:PRO	N	1.63
1	5B	75:GLN	C	76:ILE	N	1.63
1	5F	29:MET	C	30:PRO	N	1.63
1	5F	75:GLN	C	76:ILE	N	1.63
1	5J	29:MET	C	30:PRO	N	1.63
1	5J	75:GLN	C	76:ILE	N	1.63
1	5N	29:MET	C	30:PRO	N	1.63
1	5N	75:GLN	C	76:ILE	N	1.63
1	5R	29:MET	C	30:PRO	N	1.63
1	5R	75:GLN	C	76:ILE	N	1.63
1	5V	29:MET	C	30:PRO	N	1.63
1	5V	75:GLN	C	76:ILE	N	1.63
1	5Z	29:MET	C	30:PRO	N	1.63
1	5Z	75:GLN	C	76:ILE	N	1.63
1	53	29:MET	C	30:PRO	N	1.63
1	53	75:GLN	C	76:ILE	N	1.63

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	57	29:MET	C	30:PRO	N	1.63
1	57	75:GLN	C	76:ILE	N	1.63
1	6B	29:MET	C	30:PRO	N	1.63
1	6B	75:GLN	C	76:ILE	N	1.63
1	6F	29:MET	C	30:PRO	N	1.63
1	6F	75:GLN	C	76:ILE	N	1.63
1	6J	29:MET	C	30:PRO	N	1.63
1	6J	75:GLN	C	76:ILE	N	1.63
1	6N	29:MET	C	30:PRO	N	1.63
1	6N	75:GLN	C	76:ILE	N	1.63
1	6R	29:MET	C	30:PRO	N	1.63
1	6R	75:GLN	C	76:ILE	N	1.63
1	6V	29:MET	C	30:PRO	N	1.63
1	6V	75:GLN	C	76:ILE	N	1.63
1	6Z	29:MET	C	30:PRO	N	1.63
1	6Z	75:GLN	C	76:ILE	N	1.63
1	63	29:MET	C	30:PRO	N	1.63
1	63	75:GLN	C	76:ILE	N	1.63
1	67	29:MET	C	30:PRO	N	1.63
1	67	75:GLN	C	76:ILE	N	1.63
1	7B	29:MET	C	30:PRO	N	1.63
1	7B	75:GLN	C	76:ILE	N	1.63
1	7F	29:MET	C	30:PRO	N	1.63
1	7F	75:GLN	C	76:ILE	N	1.63
1	7J	29:MET	C	30:PRO	N	1.63
1	7J	75:GLN	C	76:ILE	N	1.63
1	7N	29:MET	C	30:PRO	N	1.63
1	7N	75:GLN	C	76:ILE	N	1.63
1	7R	29:MET	C	30:PRO	N	1.63
1	7R	75:GLN	C	76:ILE	N	1.63
1	7V	29:MET	C	30:PRO	N	1.63
1	7V	75:GLN	C	76:ILE	N	1.63
1	1A	43:HIS	C	44:ARG	N	1.62
1	1E	43:HIS	C	44:ARG	N	1.62
1	1I	43:HIS	C	44:ARG	N	1.62
1	1M	43:HIS	C	44:ARG	N	1.62
1	1Q	43:HIS	C	44:ARG	N	1.62
1	1U	43:HIS	C	44:ARG	N	1.62
1	1Y	43:HIS	C	44:ARG	N	1.62
1	12	43:HIS	C	44:ARG	N	1.62
1	16	43:HIS	C	44:ARG	N	1.62
1	2A	43:HIS	C	44:ARG	N	1.62

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2E	43:HIS	C	44:ARG	N	1.62
1	2I	43:HIS	C	44:ARG	N	1.62
1	2M	43:HIS	C	44:ARG	N	1.62
1	2Q	43:HIS	C	44:ARG	N	1.62
1	2U	43:HIS	C	44:ARG	N	1.62
1	2Y	43:HIS	C	44:ARG	N	1.62
1	22	43:HIS	C	44:ARG	N	1.62
1	26	43:HIS	C	44:ARG	N	1.62
1	3A	43:HIS	C	44:ARG	N	1.62
1	3E	43:HIS	C	44:ARG	N	1.62
1	3I	43:HIS	C	44:ARG	N	1.62
1	3M	43:HIS	C	44:ARG	N	1.62
1	3Q	43:HIS	C	44:ARG	N	1.62
1	3U	43:HIS	C	44:ARG	N	1.62
1	3Y	43:HIS	C	44:ARG	N	1.62
1	32	43:HIS	C	44:ARG	N	1.62
1	36	43:HIS	C	44:ARG	N	1.62
1	4A	43:HIS	C	44:ARG	N	1.62
1	4E	43:HIS	C	44:ARG	N	1.62
1	4I	43:HIS	C	44:ARG	N	1.62
1	4M	43:HIS	C	44:ARG	N	1.62
1	4Q	43:HIS	C	44:ARG	N	1.62
1	4U	43:HIS	C	44:ARG	N	1.62
1	4Y	43:HIS	C	44:ARG	N	1.62
1	42	43:HIS	C	44:ARG	N	1.62
1	46	43:HIS	C	44:ARG	N	1.62
1	5A	43:HIS	C	44:ARG	N	1.62
1	5E	43:HIS	C	44:ARG	N	1.62
1	5I	43:HIS	C	44:ARG	N	1.62
1	5M	43:HIS	C	44:ARG	N	1.62
1	5Q	43:HIS	C	44:ARG	N	1.62
1	5U	43:HIS	C	44:ARG	N	1.62
1	5Y	43:HIS	C	44:ARG	N	1.62
1	52	43:HIS	C	44:ARG	N	1.62
1	56	43:HIS	C	44:ARG	N	1.62
1	6A	43:HIS	C	44:ARG	N	1.62
1	6E	43:HIS	C	44:ARG	N	1.62
1	6I	43:HIS	C	44:ARG	N	1.62
1	6M	43:HIS	C	44:ARG	N	1.62
1	6Q	43:HIS	C	44:ARG	N	1.62
1	6U	43:HIS	C	44:ARG	N	1.62
1	6Y	43:HIS	C	44:ARG	N	1.62

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	62	43:HIS	C	44:ARG	N	1.62
1	66	43:HIS	C	44:ARG	N	1.62
1	7A	43:HIS	C	44:ARG	N	1.62
1	7E	43:HIS	C	44:ARG	N	1.62
1	7I	43:HIS	C	44:ARG	N	1.62
1	7M	43:HIS	C	44:ARG	N	1.62
1	7Q	43:HIS	C	44:ARG	N	1.62
1	7U	43:HIS	C	44:ARG	N	1.62
1	1A	155:PRO	C	156:SER	N	1.60
1	1E	155:PRO	C	156:SER	N	1.60
1	1F	14:THR	C	15:VAL	N	1.60
1	1I	155:PRO	C	156:SER	N	1.60
1	1M	155:PRO	C	156:SER	N	1.60
1	1Q	155:PRO	C	156:SER	N	1.60
1	1U	155:PRO	C	156:SER	N	1.60
1	1Y	155:PRO	C	156:SER	N	1.60
1	12	155:PRO	C	156:SER	N	1.60
1	16	155:PRO	C	156:SER	N	1.60
1	2A	155:PRO	C	156:SER	N	1.60
1	2E	155:PRO	C	156:SER	N	1.60
1	2I	155:PRO	C	156:SER	N	1.60
1	2M	155:PRO	C	156:SER	N	1.60
1	2N	14:THR	C	15:VAL	N	1.60
1	2Q	155:PRO	C	156:SER	N	1.60
1	2U	155:PRO	C	156:SER	N	1.60
1	2Y	155:PRO	C	156:SER	N	1.60
1	22	155:PRO	C	156:SER	N	1.60
1	23	14:THR	C	15:VAL	N	1.60
1	26	155:PRO	C	156:SER	N	1.60
1	3A	155:PRO	C	156:SER	N	1.60
1	3E	155:PRO	C	156:SER	N	1.60
1	3I	155:PRO	C	156:SER	N	1.60
1	3M	155:PRO	C	156:SER	N	1.60
1	3N	14:THR	C	15:VAL	N	1.60
1	3Q	155:PRO	C	156:SER	N	1.60
1	3U	155:PRO	C	156:SER	N	1.60
1	3Y	155:PRO	C	156:SER	N	1.60
1	32	155:PRO	C	156:SER	N	1.60
1	36	155:PRO	C	156:SER	N	1.60
1	37	14:THR	C	15:VAL	N	1.60
1	4A	155:PRO	C	156:SER	N	1.60
1	4E	155:PRO	C	156:SER	N	1.60

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	4I	155:PRO	C	156:SER	N	1.60
1	4J	14:THR	C	15:VAL	N	1.60
1	4M	155:PRO	C	156:SER	N	1.60
1	4Q	155:PRO	C	156:SER	N	1.60
1	4R	14:THR	C	15:VAL	N	1.60
1	4U	155:PRO	C	156:SER	N	1.60
1	4Y	155:PRO	C	156:SER	N	1.60
1	42	155:PRO	C	156:SER	N	1.60
1	46	155:PRO	C	156:SER	N	1.60
1	5A	155:PRO	C	156:SER	N	1.60
1	5E	155:PRO	C	156:SER	N	1.60
1	5I	155:PRO	C	156:SER	N	1.60
1	5M	155:PRO	C	156:SER	N	1.60
1	5Q	155:PRO	C	156:SER	N	1.60
1	5U	155:PRO	C	156:SER	N	1.60
1	5Y	155:PRO	C	156:SER	N	1.60
1	5Z	14:THR	C	15:VAL	N	1.60
1	52	155:PRO	C	156:SER	N	1.60
1	56	155:PRO	C	156:SER	N	1.60
1	6A	155:PRO	C	156:SER	N	1.60
1	6E	155:PRO	C	156:SER	N	1.60
1	6F	14:THR	C	15:VAL	N	1.60
1	6I	155:PRO	C	156:SER	N	1.60
1	6M	155:PRO	C	156:SER	N	1.60
1	6Q	155:PRO	C	156:SER	N	1.60
1	6U	155:PRO	C	156:SER	N	1.60
1	6Y	155:PRO	C	156:SER	N	1.60
1	6Z	14:THR	C	15:VAL	N	1.60
1	62	155:PRO	C	156:SER	N	1.60
1	66	155:PRO	C	156:SER	N	1.60
1	7A	155:PRO	C	156:SER	N	1.60
1	7E	155:PRO	C	156:SER	N	1.60
1	7I	155:PRO	C	156:SER	N	1.60
1	7J	14:THR	C	15:VAL	N	1.60
1	7M	155:PRO	C	156:SER	N	1.60
1	7Q	155:PRO	C	156:SER	N	1.60
1	7U	155:PRO	C	156:SER	N	1.60
1	7V	14:THR	C	15:VAL	N	1.60
1	1A	92:ASN	C	93:ALA	N	1.20
1	1E	92:ASN	C	93:ALA	N	1.20
1	1I	92:ASN	C	93:ALA	N	1.20
1	1M	92:ASN	C	93:ALA	N	1.20

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	1Q	92:ASN	C	93:ALA	N	1.20
1	1U	92:ASN	C	93:ALA	N	1.20
1	1Y	92:ASN	C	93:ALA	N	1.20
1	12	92:ASN	C	93:ALA	N	1.20
1	16	92:ASN	C	93:ALA	N	1.20
1	2A	92:ASN	C	93:ALA	N	1.20
1	2E	92:ASN	C	93:ALA	N	1.20
1	2I	92:ASN	C	93:ALA	N	1.20
1	2M	92:ASN	C	93:ALA	N	1.20
1	2Q	92:ASN	C	93:ALA	N	1.20
1	2U	92:ASN	C	93:ALA	N	1.20
1	2Y	92:ASN	C	93:ALA	N	1.20
1	22	92:ASN	C	93:ALA	N	1.20
1	26	92:ASN	C	93:ALA	N	1.20
1	3A	92:ASN	C	93:ALA	N	1.20
1	3E	92:ASN	C	93:ALA	N	1.20
1	3I	92:ASN	C	93:ALA	N	1.20
1	3M	92:ASN	C	93:ALA	N	1.20
1	3Q	92:ASN	C	93:ALA	N	1.20
1	3U	92:ASN	C	93:ALA	N	1.20
1	3Y	92:ASN	C	93:ALA	N	1.20
1	32	92:ASN	C	93:ALA	N	1.20
1	36	92:ASN	C	93:ALA	N	1.20
1	4A	92:ASN	C	93:ALA	N	1.20
1	4E	92:ASN	C	93:ALA	N	1.20
1	4I	92:ASN	C	93:ALA	N	1.20
1	4M	92:ASN	C	93:ALA	N	1.20
1	4Q	92:ASN	C	93:ALA	N	1.20
1	4U	92:ASN	C	93:ALA	N	1.20
1	4Y	92:ASN	C	93:ALA	N	1.20
1	42	92:ASN	C	93:ALA	N	1.20
1	46	92:ASN	C	93:ALA	N	1.20
1	5A	92:ASN	C	93:ALA	N	1.20
1	5E	92:ASN	C	93:ALA	N	1.20
1	5I	92:ASN	C	93:ALA	N	1.20
1	5M	92:ASN	C	93:ALA	N	1.20
1	5Q	92:ASN	C	93:ALA	N	1.20
1	5U	92:ASN	C	93:ALA	N	1.20
1	5Y	92:ASN	C	93:ALA	N	1.20
1	52	92:ASN	C	93:ALA	N	1.20
1	56	92:ASN	C	93:ALA	N	1.20
1	6A	92:ASN	C	93:ALA	N	1.20

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	6E	92:ASN	C	93:ALA	N	1.20
1	6I	92:ASN	C	93:ALA	N	1.20
1	6M	92:ASN	C	93:ALA	N	1.20
1	6Q	92:ASN	C	93:ALA	N	1.20
1	6U	92:ASN	C	93:ALA	N	1.20
1	6Y	92:ASN	C	93:ALA	N	1.20
1	62	92:ASN	C	93:ALA	N	1.20
1	66	92:ASN	C	93:ALA	N	1.20
1	7A	92:ASN	C	93:ALA	N	1.20
1	7E	92:ASN	C	93:ALA	N	1.20
1	7I	92:ASN	C	93:ALA	N	1.20
1	7M	92:ASN	C	93:ALA	N	1.20
1	7Q	92:ASN	C	93:ALA	N	1.20
1	7U	92:ASN	C	93:ALA	N	1.20
1	1A	22:HIS	C	23:GLY	N	1.19
1	1A	31:LYS	C	32:TRP	N	1.19
1	1A	36:THR	C	37:ALA	N	1.19
1	1B	17:THR	C	18:THR	N	1.19
1	1B	49:THR	C	50:THR	N	1.19
1	1E	22:HIS	C	23:GLY	N	1.19
1	1E	31:LYS	C	32:TRP	N	1.19
1	1E	36:THR	C	37:ALA	N	1.19
1	1F	17:THR	C	18:THR	N	1.19
1	1F	49:THR	C	50:THR	N	1.19
1	1I	22:HIS	C	23:GLY	N	1.19
1	1I	31:LYS	C	32:TRP	N	1.19
1	1I	36:THR	C	37:ALA	N	1.19
1	1J	17:THR	C	18:THR	N	1.19
1	1J	49:THR	C	50:THR	N	1.19
1	1M	22:HIS	C	23:GLY	N	1.19
1	1M	31:LYS	C	32:TRP	N	1.19
1	1M	36:THR	C	37:ALA	N	1.19
1	1N	17:THR	C	18:THR	N	1.19
1	1N	49:THR	C	50:THR	N	1.19
1	1Q	22:HIS	C	23:GLY	N	1.19
1	1Q	31:LYS	C	32:TRP	N	1.19
1	1Q	36:THR	C	37:ALA	N	1.19
1	1R	17:THR	C	18:THR	N	1.19
1	1R	49:THR	C	50:THR	N	1.19
1	1U	22:HIS	C	23:GLY	N	1.19
1	1U	31:LYS	C	32:TRP	N	1.19
1	1U	36:THR	C	37:ALA	N	1.19

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	1V	17:THR	C	18:THR	N	1.19
1	1V	49:THR	C	50:THR	N	1.19
1	1Y	22:HIS	C	23:GLY	N	1.19
1	1Y	31:LYS	C	32:TRP	N	1.19
1	1Y	36:THR	C	37:ALA	N	1.19
1	1Z	17:THR	C	18:THR	N	1.19
1	1Z	49:THR	C	50:THR	N	1.19
1	12	22:HIS	C	23:GLY	N	1.19
1	12	31:LYS	C	32:TRP	N	1.19
1	12	36:THR	C	37:ALA	N	1.19
1	13	17:THR	C	18:THR	N	1.19
1	13	49:THR	C	50:THR	N	1.19
1	16	22:HIS	C	23:GLY	N	1.19
1	16	31:LYS	C	32:TRP	N	1.19
1	16	36:THR	C	37:ALA	N	1.19
1	17	17:THR	C	18:THR	N	1.19
1	17	49:THR	C	50:THR	N	1.19
1	2A	22:HIS	C	23:GLY	N	1.19
1	2A	31:LYS	C	32:TRP	N	1.19
1	2A	36:THR	C	37:ALA	N	1.19
1	2B	17:THR	C	18:THR	N	1.19
1	2B	49:THR	C	50:THR	N	1.19
1	2E	22:HIS	C	23:GLY	N	1.19
1	2E	31:LYS	C	32:TRP	N	1.19
1	2E	36:THR	C	37:ALA	N	1.19
1	2F	17:THR	C	18:THR	N	1.19
1	2F	49:THR	C	50:THR	N	1.19
1	2I	22:HIS	C	23:GLY	N	1.19
1	2I	31:LYS	C	32:TRP	N	1.19
1	2I	36:THR	C	37:ALA	N	1.19
1	2J	17:THR	C	18:THR	N	1.19
1	2J	49:THR	C	50:THR	N	1.19
1	2M	22:HIS	C	23:GLY	N	1.19
1	2M	31:LYS	C	32:TRP	N	1.19
1	2M	36:THR	C	37:ALA	N	1.19
1	2N	17:THR	C	18:THR	N	1.19
1	2N	49:THR	C	50:THR	N	1.19
1	2Q	22:HIS	C	23:GLY	N	1.19
1	2Q	31:LYS	C	32:TRP	N	1.19
1	2Q	36:THR	C	37:ALA	N	1.19
1	2R	17:THR	C	18:THR	N	1.19
1	2R	49:THR	C	50:THR	N	1.19

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2U	22:HIS	C	23:GLY	N	1.19
1	2U	31:LYS	C	32:TRP	N	1.19
1	2U	36:THR	C	37:ALA	N	1.19
1	2V	17:THR	C	18:THR	N	1.19
1	2V	49:THR	C	50:THR	N	1.19
1	2Y	22:HIS	C	23:GLY	N	1.19
1	2Y	31:LYS	C	32:TRP	N	1.19
1	2Y	36:THR	C	37:ALA	N	1.19
1	2Z	17:THR	C	18:THR	N	1.19
1	2Z	49:THR	C	50:THR	N	1.19
1	22	22:HIS	C	23:GLY	N	1.19
1	22	31:LYS	C	32:TRP	N	1.19
1	22	36:THR	C	37:ALA	N	1.19
1	23	17:THR	C	18:THR	N	1.19
1	23	49:THR	C	50:THR	N	1.19
1	26	22:HIS	C	23:GLY	N	1.19
1	26	31:LYS	C	32:TRP	N	1.19
1	26	36:THR	C	37:ALA	N	1.19
1	27	17:THR	C	18:THR	N	1.19
1	27	49:THR	C	50:THR	N	1.19
1	3A	22:HIS	C	23:GLY	N	1.19
1	3A	31:LYS	C	32:TRP	N	1.19
1	3A	36:THR	C	37:ALA	N	1.19
1	3B	17:THR	C	18:THR	N	1.19
1	3B	49:THR	C	50:THR	N	1.19
1	3E	22:HIS	C	23:GLY	N	1.19
1	3E	31:LYS	C	32:TRP	N	1.19
1	3E	36:THR	C	37:ALA	N	1.19
1	3F	17:THR	C	18:THR	N	1.19
1	3F	49:THR	C	50:THR	N	1.19
1	3I	22:HIS	C	23:GLY	N	1.19
1	3I	31:LYS	C	32:TRP	N	1.19
1	3I	36:THR	C	37:ALA	N	1.19
1	3J	17:THR	C	18:THR	N	1.19
1	3J	49:THR	C	50:THR	N	1.19
1	3M	22:HIS	C	23:GLY	N	1.19
1	3M	31:LYS	C	32:TRP	N	1.19
1	3M	36:THR	C	37:ALA	N	1.19
1	3N	17:THR	C	18:THR	N	1.19
1	3N	49:THR	C	50:THR	N	1.19
1	3Q	22:HIS	C	23:GLY	N	1.19
1	3Q	31:LYS	C	32:TRP	N	1.19

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	3Q	36:THR	C	37:ALA	N	1.19
1	3R	17:THR	C	18:THR	N	1.19
1	3R	49:THR	C	50:THR	N	1.19
1	3U	22:HIS	C	23:GLY	N	1.19
1	3U	31:LYS	C	32:TRP	N	1.19
1	3U	36:THR	C	37:ALA	N	1.19
1	3V	17:THR	C	18:THR	N	1.19
1	3V	49:THR	C	50:THR	N	1.19
1	3Y	22:HIS	C	23:GLY	N	1.19
1	3Y	31:LYS	C	32:TRP	N	1.19
1	3Y	36:THR	C	37:ALA	N	1.19
1	3Z	17:THR	C	18:THR	N	1.19
1	3Z	49:THR	C	50:THR	N	1.19
1	32	22:HIS	C	23:GLY	N	1.19
1	32	31:LYS	C	32:TRP	N	1.19
1	32	36:THR	C	37:ALA	N	1.19
1	33	17:THR	C	18:THR	N	1.19
1	33	49:THR	C	50:THR	N	1.19
1	36	22:HIS	C	23:GLY	N	1.19
1	36	31:LYS	C	32:TRP	N	1.19
1	36	36:THR	C	37:ALA	N	1.19
1	37	17:THR	C	18:THR	N	1.19
1	37	49:THR	C	50:THR	N	1.19
1	4A	22:HIS	C	23:GLY	N	1.19
1	4A	31:LYS	C	32:TRP	N	1.19
1	4A	36:THR	C	37:ALA	N	1.19
1	4B	17:THR	C	18:THR	N	1.19
1	4B	49:THR	C	50:THR	N	1.19
1	4E	22:HIS	C	23:GLY	N	1.19
1	4E	31:LYS	C	32:TRP	N	1.19
1	4E	36:THR	C	37:ALA	N	1.19
1	4F	17:THR	C	18:THR	N	1.19
1	4F	49:THR	C	50:THR	N	1.19
1	4I	22:HIS	C	23:GLY	N	1.19
1	4I	31:LYS	C	32:TRP	N	1.19
1	4I	36:THR	C	37:ALA	N	1.19
1	4J	17:THR	C	18:THR	N	1.19
1	4J	49:THR	C	50:THR	N	1.19
1	4M	22:HIS	C	23:GLY	N	1.19
1	4M	31:LYS	C	32:TRP	N	1.19
1	4M	36:THR	C	37:ALA	N	1.19
1	4N	17:THR	C	18:THR	N	1.19

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	4N	49:THR	C	50:THR	N	1.19
1	4Q	22:HIS	C	23:GLY	N	1.19
1	4Q	31:LYS	C	32:TRP	N	1.19
1	4Q	36:THR	C	37:ALA	N	1.19
1	4R	17:THR	C	18:THR	N	1.19
1	4R	49:THR	C	50:THR	N	1.19
1	4U	22:HIS	C	23:GLY	N	1.19
1	4U	31:LYS	C	32:TRP	N	1.19
1	4U	36:THR	C	37:ALA	N	1.19
1	4V	17:THR	C	18:THR	N	1.19
1	4V	49:THR	C	50:THR	N	1.19
1	4Y	22:HIS	C	23:GLY	N	1.19
1	4Y	31:LYS	C	32:TRP	N	1.19
1	4Y	36:THR	C	37:ALA	N	1.19
1	4Z	17:THR	C	18:THR	N	1.19
1	4Z	49:THR	C	50:THR	N	1.19
1	42	22:HIS	C	23:GLY	N	1.19
1	42	31:LYS	C	32:TRP	N	1.19
1	42	36:THR	C	37:ALA	N	1.19
1	43	17:THR	C	18:THR	N	1.19
1	43	49:THR	C	50:THR	N	1.19
1	46	22:HIS	C	23:GLY	N	1.19
1	46	31:LYS	C	32:TRP	N	1.19
1	46	36:THR	C	37:ALA	N	1.19
1	47	17:THR	C	18:THR	N	1.19
1	47	49:THR	C	50:THR	N	1.19
1	5A	22:HIS	C	23:GLY	N	1.19
1	5A	31:LYS	C	32:TRP	N	1.19
1	5A	36:THR	C	37:ALA	N	1.19
1	5B	17:THR	C	18:THR	N	1.19
1	5B	49:THR	C	50:THR	N	1.19
1	5E	22:HIS	C	23:GLY	N	1.19
1	5E	31:LYS	C	32:TRP	N	1.19
1	5E	36:THR	C	37:ALA	N	1.19
1	5F	17:THR	C	18:THR	N	1.19
1	5F	49:THR	C	50:THR	N	1.19
1	5I	22:HIS	C	23:GLY	N	1.19
1	5I	31:LYS	C	32:TRP	N	1.19
1	5I	36:THR	C	37:ALA	N	1.19
1	5J	17:THR	C	18:THR	N	1.19
1	5J	49:THR	C	50:THR	N	1.19
1	5M	22:HIS	C	23:GLY	N	1.19

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	5M	31:LYS	C	32:TRP	N	1.19
1	5M	36:THR	C	37:ALA	N	1.19
1	5N	17:THR	C	18:THR	N	1.19
1	5N	49:THR	C	50:THR	N	1.19
1	5Q	22:HIS	C	23:GLY	N	1.19
1	5Q	31:LYS	C	32:TRP	N	1.19
1	5Q	36:THR	C	37:ALA	N	1.19
1	5R	17:THR	C	18:THR	N	1.19
1	5R	49:THR	C	50:THR	N	1.19
1	5U	22:HIS	C	23:GLY	N	1.19
1	5U	31:LYS	C	32:TRP	N	1.19
1	5U	36:THR	C	37:ALA	N	1.19
1	5V	17:THR	C	18:THR	N	1.19
1	5V	49:THR	C	50:THR	N	1.19
1	5Y	22:HIS	C	23:GLY	N	1.19
1	5Y	31:LYS	C	32:TRP	N	1.19
1	5Y	36:THR	C	37:ALA	N	1.19
1	5Z	17:THR	C	18:THR	N	1.19
1	5Z	49:THR	C	50:THR	N	1.19
1	52	22:HIS	C	23:GLY	N	1.19
1	52	31:LYS	C	32:TRP	N	1.19
1	52	36:THR	C	37:ALA	N	1.19
1	53	17:THR	C	18:THR	N	1.19
1	53	49:THR	C	50:THR	N	1.19
1	56	22:HIS	C	23:GLY	N	1.19
1	56	31:LYS	C	32:TRP	N	1.19
1	56	36:THR	C	37:ALA	N	1.19
1	57	17:THR	C	18:THR	N	1.19
1	57	49:THR	C	50:THR	N	1.19
1	6A	22:HIS	C	23:GLY	N	1.19
1	6A	31:LYS	C	32:TRP	N	1.19
1	6A	36:THR	C	37:ALA	N	1.19
1	6B	17:THR	C	18:THR	N	1.19
1	6B	49:THR	C	50:THR	N	1.19
1	6E	22:HIS	C	23:GLY	N	1.19
1	6E	31:LYS	C	32:TRP	N	1.19
1	6E	36:THR	C	37:ALA	N	1.19
1	6F	17:THR	C	18:THR	N	1.19
1	6F	49:THR	C	50:THR	N	1.19
1	6I	22:HIS	C	23:GLY	N	1.19
1	6I	31:LYS	C	32:TRP	N	1.19
1	6I	36:THR	C	37:ALA	N	1.19

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	6J	17:THR	C	18:THR	N	1.19
1	6J	49:THR	C	50:THR	N	1.19
1	6M	22:HIS	C	23:GLY	N	1.19
1	6M	31:LYS	C	32:TRP	N	1.19
1	6M	36:THR	C	37:ALA	N	1.19
1	6N	17:THR	C	18:THR	N	1.19
1	6N	49:THR	C	50:THR	N	1.19
1	6Q	22:HIS	C	23:GLY	N	1.19
1	6Q	31:LYS	C	32:TRP	N	1.19
1	6Q	36:THR	C	37:ALA	N	1.19
1	6R	17:THR	C	18:THR	N	1.19
1	6R	49:THR	C	50:THR	N	1.19
1	6U	22:HIS	C	23:GLY	N	1.19
1	6U	31:LYS	C	32:TRP	N	1.19
1	6U	36:THR	C	37:ALA	N	1.19
1	6V	17:THR	C	18:THR	N	1.19
1	6V	49:THR	C	50:THR	N	1.19
1	6Y	22:HIS	C	23:GLY	N	1.19
1	6Y	31:LYS	C	32:TRP	N	1.19
1	6Y	36:THR	C	37:ALA	N	1.19
1	6Z	17:THR	C	18:THR	N	1.19
1	6Z	49:THR	C	50:THR	N	1.19
1	62	22:HIS	C	23:GLY	N	1.19
1	62	31:LYS	C	32:TRP	N	1.19
1	62	36:THR	C	37:ALA	N	1.19
1	63	17:THR	C	18:THR	N	1.19
1	63	49:THR	C	50:THR	N	1.19
1	66	22:HIS	C	23:GLY	N	1.19
1	66	31:LYS	C	32:TRP	N	1.19
1	66	36:THR	C	37:ALA	N	1.19
1	67	17:THR	C	18:THR	N	1.19
1	67	49:THR	C	50:THR	N	1.19
1	7A	22:HIS	C	23:GLY	N	1.19
1	7A	31:LYS	C	32:TRP	N	1.19
1	7A	36:THR	C	37:ALA	N	1.19
1	7B	17:THR	C	18:THR	N	1.19
1	7B	49:THR	C	50:THR	N	1.19
1	7E	22:HIS	C	23:GLY	N	1.19
1	7E	31:LYS	C	32:TRP	N	1.19
1	7E	36:THR	C	37:ALA	N	1.19
1	7F	17:THR	C	18:THR	N	1.19
1	7F	49:THR	C	50:THR	N	1.19

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	7I	22:HIS	C	23:GLY	N	1.19
1	7I	31:LYS	C	32:TRP	N	1.19
1	7I	36:THR	C	37:ALA	N	1.19
1	7J	17:THR	C	18:THR	N	1.19
1	7J	49:THR	C	50:THR	N	1.19
1	7M	22:HIS	C	23:GLY	N	1.19
1	7M	31:LYS	C	32:TRP	N	1.19
1	7M	36:THR	C	37:ALA	N	1.19
1	7N	17:THR	C	18:THR	N	1.19
1	7N	49:THR	C	50:THR	N	1.19
1	7Q	22:HIS	C	23:GLY	N	1.19
1	7Q	31:LYS	C	32:TRP	N	1.19
1	7Q	36:THR	C	37:ALA	N	1.19
1	7R	17:THR	C	18:THR	N	1.19
1	7R	49:THR	C	50:THR	N	1.19
1	7U	22:HIS	C	23:GLY	N	1.19
1	7U	31:LYS	C	32:TRP	N	1.19
1	7U	36:THR	C	37:ALA	N	1.19
1	7V	17:THR	C	18:THR	N	1.19
1	7V	49:THR	C	50:THR	N	1.19
1	1A	76:TYR	C	77:ALA	N	1.18
1	1B	33:PRO	C	34:ASP	N	1.18
1	1B	79:VAL	C	80:GLU	N	1.18
1	1E	76:TYR	C	77:ALA	N	1.18
1	1F	33:PRO	C	34:ASP	N	1.18
1	1F	79:VAL	C	80:GLU	N	1.18
1	1I	76:TYR	C	77:ALA	N	1.18
1	1J	33:PRO	C	34:ASP	N	1.18
1	1J	79:VAL	C	80:GLU	N	1.18
1	1M	76:TYR	C	77:ALA	N	1.18
1	1N	33:PRO	C	34:ASP	N	1.18
1	1N	79:VAL	C	80:GLU	N	1.18
1	1Q	76:TYR	C	77:ALA	N	1.18
1	1R	33:PRO	C	34:ASP	N	1.18
1	1R	79:VAL	C	80:GLU	N	1.18
1	1U	76:TYR	C	77:ALA	N	1.18
1	1V	33:PRO	C	34:ASP	N	1.18
1	1V	79:VAL	C	80:GLU	N	1.18
1	1Y	76:TYR	C	77:ALA	N	1.18
1	1Z	33:PRO	C	34:ASP	N	1.18
1	1Z	79:VAL	C	80:GLU	N	1.18
1	12	76:TYR	C	77:ALA	N	1.18

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	13	33:PRO	C	34:ASP	N	1.18
1	13	79:VAL	C	80:GLU	N	1.18
1	16	76:TYR	C	77:ALA	N	1.18
1	17	33:PRO	C	34:ASP	N	1.18
1	17	79:VAL	C	80:GLU	N	1.18
1	2A	76:TYR	C	77:ALA	N	1.18
1	2B	33:PRO	C	34:ASP	N	1.18
1	2B	79:VAL	C	80:GLU	N	1.18
1	2E	76:TYR	C	77:ALA	N	1.18
1	2F	33:PRO	C	34:ASP	N	1.18
1	2F	79:VAL	C	80:GLU	N	1.18
1	2I	76:TYR	C	77:ALA	N	1.18
1	2J	33:PRO	C	34:ASP	N	1.18
1	2J	79:VAL	C	80:GLU	N	1.18
1	2M	76:TYR	C	77:ALA	N	1.18
1	2N	33:PRO	C	34:ASP	N	1.18
1	2N	79:VAL	C	80:GLU	N	1.18
1	2Q	76:TYR	C	77:ALA	N	1.18
1	2R	33:PRO	C	34:ASP	N	1.18
1	2R	79:VAL	C	80:GLU	N	1.18
1	2U	76:TYR	C	77:ALA	N	1.18
1	2V	33:PRO	C	34:ASP	N	1.18
1	2V	79:VAL	C	80:GLU	N	1.18
1	2Y	76:TYR	C	77:ALA	N	1.18
1	2Z	33:PRO	C	34:ASP	N	1.18
1	2Z	79:VAL	C	80:GLU	N	1.18
1	22	76:TYR	C	77:ALA	N	1.18
1	23	33:PRO	C	34:ASP	N	1.18
1	23	79:VAL	C	80:GLU	N	1.18
1	26	76:TYR	C	77:ALA	N	1.18
1	27	33:PRO	C	34:ASP	N	1.18
1	27	79:VAL	C	80:GLU	N	1.18
1	3A	76:TYR	C	77:ALA	N	1.18
1	3B	33:PRO	C	34:ASP	N	1.18
1	3B	79:VAL	C	80:GLU	N	1.18
1	3E	76:TYR	C	77:ALA	N	1.18
1	3F	33:PRO	C	34:ASP	N	1.18
1	3F	79:VAL	C	80:GLU	N	1.18
1	3I	76:TYR	C	77:ALA	N	1.18
1	3J	33:PRO	C	34:ASP	N	1.18
1	3J	79:VAL	C	80:GLU	N	1.18
1	3M	76:TYR	C	77:ALA	N	1.18

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	3N	33:PRO	C	34:ASP	N	1.18
1	3N	79:VAL	C	80:GLU	N	1.18
1	3Q	76:TYR	C	77:ALA	N	1.18
1	3R	33:PRO	C	34:ASP	N	1.18
1	3R	79:VAL	C	80:GLU	N	1.18
1	3U	76:TYR	C	77:ALA	N	1.18
1	3V	33:PRO	C	34:ASP	N	1.18
1	3V	79:VAL	C	80:GLU	N	1.18
1	3Y	76:TYR	C	77:ALA	N	1.18
1	3Z	33:PRO	C	34:ASP	N	1.18
1	3Z	79:VAL	C	80:GLU	N	1.18
1	32	76:TYR	C	77:ALA	N	1.18
1	33	33:PRO	C	34:ASP	N	1.18
1	33	79:VAL	C	80:GLU	N	1.18
1	36	76:TYR	C	77:ALA	N	1.18
1	37	33:PRO	C	34:ASP	N	1.18
1	37	79:VAL	C	80:GLU	N	1.18
1	4A	76:TYR	C	77:ALA	N	1.18
1	4B	33:PRO	C	34:ASP	N	1.18
1	4B	79:VAL	C	80:GLU	N	1.18
1	4E	76:TYR	C	77:ALA	N	1.18
1	4F	33:PRO	C	34:ASP	N	1.18
1	4F	79:VAL	C	80:GLU	N	1.18
1	4I	76:TYR	C	77:ALA	N	1.18
1	4J	33:PRO	C	34:ASP	N	1.18
1	4J	79:VAL	C	80:GLU	N	1.18
1	4M	76:TYR	C	77:ALA	N	1.18
1	4N	33:PRO	C	34:ASP	N	1.18
1	4N	79:VAL	C	80:GLU	N	1.18
1	4Q	76:TYR	C	77:ALA	N	1.18
1	4R	33:PRO	C	34:ASP	N	1.18
1	4R	79:VAL	C	80:GLU	N	1.18
1	4U	76:TYR	C	77:ALA	N	1.18
1	4V	33:PRO	C	34:ASP	N	1.18
1	4V	79:VAL	C	80:GLU	N	1.18
1	4Y	76:TYR	C	77:ALA	N	1.18
1	4Z	33:PRO	C	34:ASP	N	1.18
1	4Z	79:VAL	C	80:GLU	N	1.18
1	42	76:TYR	C	77:ALA	N	1.18
1	43	33:PRO	C	34:ASP	N	1.18
1	43	79:VAL	C	80:GLU	N	1.18
1	46	76:TYR	C	77:ALA	N	1.18

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	47	33:PRO	C	34:ASP	N	1.18
1	47	79:VAL	C	80:GLU	N	1.18
1	5A	76:TYR	C	77:ALA	N	1.18
1	5B	33:PRO	C	34:ASP	N	1.18
1	5B	79:VAL	C	80:GLU	N	1.18
1	5E	76:TYR	C	77:ALA	N	1.18
1	5F	33:PRO	C	34:ASP	N	1.18
1	5F	79:VAL	C	80:GLU	N	1.18
1	5I	76:TYR	C	77:ALA	N	1.18
1	5J	33:PRO	C	34:ASP	N	1.18
1	5J	79:VAL	C	80:GLU	N	1.18
1	5M	76:TYR	C	77:ALA	N	1.18
1	5N	33:PRO	C	34:ASP	N	1.18
1	5N	79:VAL	C	80:GLU	N	1.18
1	5Q	76:TYR	C	77:ALA	N	1.18
1	5R	33:PRO	C	34:ASP	N	1.18
1	5R	79:VAL	C	80:GLU	N	1.18
1	5U	76:TYR	C	77:ALA	N	1.18
1	5V	33:PRO	C	34:ASP	N	1.18
1	5V	79:VAL	C	80:GLU	N	1.18
1	5Y	76:TYR	C	77:ALA	N	1.18
1	5Z	33:PRO	C	34:ASP	N	1.18
1	5Z	79:VAL	C	80:GLU	N	1.18
1	52	76:TYR	C	77:ALA	N	1.18
1	53	33:PRO	C	34:ASP	N	1.18
1	53	79:VAL	C	80:GLU	N	1.18
1	56	76:TYR	C	77:ALA	N	1.18
1	57	33:PRO	C	34:ASP	N	1.18
1	57	79:VAL	C	80:GLU	N	1.18
1	6A	76:TYR	C	77:ALA	N	1.18
1	6B	33:PRO	C	34:ASP	N	1.18
1	6B	79:VAL	C	80:GLU	N	1.18
1	6E	76:TYR	C	77:ALA	N	1.18
1	6F	33:PRO	C	34:ASP	N	1.18
1	6F	79:VAL	C	80:GLU	N	1.18
1	6I	76:TYR	C	77:ALA	N	1.18
1	6J	33:PRO	C	34:ASP	N	1.18
1	6J	79:VAL	C	80:GLU	N	1.18
1	6M	76:TYR	C	77:ALA	N	1.18
1	6N	33:PRO	C	34:ASP	N	1.18
1	6N	79:VAL	C	80:GLU	N	1.18
1	6Q	76:TYR	C	77:ALA	N	1.18

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	6R	33:PRO	C	34:ASP	N	1.18
1	6R	79:VAL	C	80:GLU	N	1.18
1	6U	76:TYR	C	77:ALA	N	1.18
1	6V	33:PRO	C	34:ASP	N	1.18
1	6V	79:VAL	C	80:GLU	N	1.18
1	6Y	76:TYR	C	77:ALA	N	1.18
1	6Z	33:PRO	C	34:ASP	N	1.18
1	6Z	79:VAL	C	80:GLU	N	1.18
1	62	76:TYR	C	77:ALA	N	1.18
1	63	33:PRO	C	34:ASP	N	1.18
1	63	79:VAL	C	80:GLU	N	1.18
1	66	76:TYR	C	77:ALA	N	1.18
1	67	33:PRO	C	34:ASP	N	1.18
1	67	79:VAL	C	80:GLU	N	1.18
1	7A	76:TYR	C	77:ALA	N	1.18
1	7B	33:PRO	C	34:ASP	N	1.18
1	7B	79:VAL	C	80:GLU	N	1.18
1	7E	76:TYR	C	77:ALA	N	1.18
1	7F	33:PRO	C	34:ASP	N	1.18
1	7F	79:VAL	C	80:GLU	N	1.18
1	7I	76:TYR	C	77:ALA	N	1.18
1	7J	33:PRO	C	34:ASP	N	1.18
1	7J	79:VAL	C	80:GLU	N	1.18
1	7M	76:TYR	C	77:ALA	N	1.18
1	7N	33:PRO	C	34:ASP	N	1.18
1	7N	79:VAL	C	80:GLU	N	1.18
1	7Q	76:TYR	C	77:ALA	N	1.18
1	7R	33:PRO	C	34:ASP	N	1.18
1	7R	79:VAL	C	80:GLU	N	1.18
1	7U	76:TYR	C	77:ALA	N	1.18
1	7V	33:PRO	C	34:ASP	N	1.18
1	7V	79:VAL	C	80:GLU	N	1.18
1	1A	77:ALA	C	78:SER	N	1.17
1	1A	79:THR	C	80:PHE	N	1.17
1	1B	16:ASN	C	17:THR	N	1.17
1	1B	36:SER	C	37:ASN	N	1.17
1	1B	37:ASN	C	38:VAL	N	1.17
1	1E	77:ALA	C	78:SER	N	1.17
1	1E	79:THR	C	80:PHE	N	1.17
1	1F	16:ASN	C	17:THR	N	1.17
1	1F	36:SER	C	37:ASN	N	1.17
1	1F	37:ASN	C	38:VAL	N	1.17

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	1I	77:ALA	C	78:SER	N	1.17
1	1I	79:THR	C	80:PHE	N	1.17
1	1J	16:ASN	C	17:THR	N	1.17
1	1J	36:SER	C	37:ASN	N	1.17
1	1J	37:ASN	C	38:VAL	N	1.17
1	1M	77:ALA	C	78:SER	N	1.17
1	1M	79:THR	C	80:PHE	N	1.17
1	1N	16:ASN	C	17:THR	N	1.17
1	1N	36:SER	C	37:ASN	N	1.17
1	1N	37:ASN	C	38:VAL	N	1.17
1	1Q	77:ALA	C	78:SER	N	1.17
1	1Q	79:THR	C	80:PHE	N	1.17
1	1R	16:ASN	C	17:THR	N	1.17
1	1R	36:SER	C	37:ASN	N	1.17
1	1R	37:ASN	C	38:VAL	N	1.17
1	1U	77:ALA	C	78:SER	N	1.17
1	1U	79:THR	C	80:PHE	N	1.17
1	1V	16:ASN	C	17:THR	N	1.17
1	1V	36:SER	C	37:ASN	N	1.17
1	1V	37:ASN	C	38:VAL	N	1.17
1	1Y	77:ALA	C	78:SER	N	1.17
1	1Y	79:THR	C	80:PHE	N	1.17
1	1Z	16:ASN	C	17:THR	N	1.17
1	1Z	36:SER	C	37:ASN	N	1.17
1	1Z	37:ASN	C	38:VAL	N	1.17
1	12	77:ALA	C	78:SER	N	1.17
1	12	79:THR	C	80:PHE	N	1.17
1	13	16:ASN	C	17:THR	N	1.17
1	13	36:SER	C	37:ASN	N	1.17
1	13	37:ASN	C	38:VAL	N	1.17
1	16	77:ALA	C	78:SER	N	1.17
1	16	79:THR	C	80:PHE	N	1.17
1	17	16:ASN	C	17:THR	N	1.17
1	17	36:SER	C	37:ASN	N	1.17
1	17	37:ASN	C	38:VAL	N	1.17
1	2A	77:ALA	C	78:SER	N	1.17
1	2A	79:THR	C	80:PHE	N	1.17
1	2B	16:ASN	C	17:THR	N	1.17
1	2B	36:SER	C	37:ASN	N	1.17
1	2B	37:ASN	C	38:VAL	N	1.17
1	2E	77:ALA	C	78:SER	N	1.17
1	2E	79:THR	C	80:PHE	N	1.17

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2F	16:ASN	C	17:THR	N	1.17
1	2F	36:SER	C	37:ASN	N	1.17
1	2F	37:ASN	C	38:VAL	N	1.17
1	2I	77:ALA	C	78:SER	N	1.17
1	2I	79:THR	C	80:PHE	N	1.17
1	2J	16:ASN	C	17:THR	N	1.17
1	2J	36:SER	C	37:ASN	N	1.17
1	2J	37:ASN	C	38:VAL	N	1.17
1	2M	77:ALA	C	78:SER	N	1.17
1	2M	79:THR	C	80:PHE	N	1.17
1	2N	16:ASN	C	17:THR	N	1.17
1	2N	36:SER	C	37:ASN	N	1.17
1	2N	37:ASN	C	38:VAL	N	1.17
1	2Q	77:ALA	C	78:SER	N	1.17
1	2Q	79:THR	C	80:PHE	N	1.17
1	2R	16:ASN	C	17:THR	N	1.17
1	2R	36:SER	C	37:ASN	N	1.17
1	2R	37:ASN	C	38:VAL	N	1.17
1	2U	77:ALA	C	78:SER	N	1.17
1	2U	79:THR	C	80:PHE	N	1.17
1	2V	16:ASN	C	17:THR	N	1.17
1	2V	36:SER	C	37:ASN	N	1.17
1	2V	37:ASN	C	38:VAL	N	1.17
1	2Y	77:ALA	C	78:SER	N	1.17
1	2Y	79:THR	C	80:PHE	N	1.17
1	2Z	16:ASN	C	17:THR	N	1.17
1	2Z	36:SER	C	37:ASN	N	1.17
1	2Z	37:ASN	C	38:VAL	N	1.17
1	22	77:ALA	C	78:SER	N	1.17
1	22	79:THR	C	80:PHE	N	1.17
1	23	16:ASN	C	17:THR	N	1.17
1	23	36:SER	C	37:ASN	N	1.17
1	23	37:ASN	C	38:VAL	N	1.17
1	26	77:ALA	C	78:SER	N	1.17
1	26	79:THR	C	80:PHE	N	1.17
1	27	16:ASN	C	17:THR	N	1.17
1	27	36:SER	C	37:ASN	N	1.17
1	27	37:ASN	C	38:VAL	N	1.17
1	3A	77:ALA	C	78:SER	N	1.17
1	3A	79:THR	C	80:PHE	N	1.17
1	3B	16:ASN	C	17:THR	N	1.17
1	3B	36:SER	C	37:ASN	N	1.17

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	3B	37:ASN	C	38:VAL	N	1.17
1	3E	77:ALA	C	78:SER	N	1.17
1	3E	79:THR	C	80:PHE	N	1.17
1	3F	16:ASN	C	17:THR	N	1.17
1	3F	36:SER	C	37:ASN	N	1.17
1	3F	37:ASN	C	38:VAL	N	1.17
1	3I	77:ALA	C	78:SER	N	1.17
1	3I	79:THR	C	80:PHE	N	1.17
1	3J	16:ASN	C	17:THR	N	1.17
1	3J	36:SER	C	37:ASN	N	1.17
1	3J	37:ASN	C	38:VAL	N	1.17
1	3M	77:ALA	C	78:SER	N	1.17
1	3M	79:THR	C	80:PHE	N	1.17
1	3N	16:ASN	C	17:THR	N	1.17
1	3N	36:SER	C	37:ASN	N	1.17
1	3N	37:ASN	C	38:VAL	N	1.17
1	3Q	77:ALA	C	78:SER	N	1.17
1	3Q	79:THR	C	80:PHE	N	1.17
1	3R	16:ASN	C	17:THR	N	1.17
1	3R	36:SER	C	37:ASN	N	1.17
1	3R	37:ASN	C	38:VAL	N	1.17
1	3U	77:ALA	C	78:SER	N	1.17
1	3U	79:THR	C	80:PHE	N	1.17
1	3V	16:ASN	C	17:THR	N	1.17
1	3V	36:SER	C	37:ASN	N	1.17
1	3V	37:ASN	C	38:VAL	N	1.17
1	3Y	77:ALA	C	78:SER	N	1.17
1	3Y	79:THR	C	80:PHE	N	1.17
1	3Z	16:ASN	C	17:THR	N	1.17
1	3Z	36:SER	C	37:ASN	N	1.17
1	3Z	37:ASN	C	38:VAL	N	1.17
1	32	77:ALA	C	78:SER	N	1.17
1	32	79:THR	C	80:PHE	N	1.17
1	33	16:ASN	C	17:THR	N	1.17
1	33	36:SER	C	37:ASN	N	1.17
1	33	37:ASN	C	38:VAL	N	1.17
1	36	77:ALA	C	78:SER	N	1.17
1	36	79:THR	C	80:PHE	N	1.17
1	37	16:ASN	C	17:THR	N	1.17
1	37	36:SER	C	37:ASN	N	1.17
1	37	37:ASN	C	38:VAL	N	1.17
1	4A	77:ALA	C	78:SER	N	1.17

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	4A	79:THR	C	80:PHE	N	1.17
1	4B	16:ASN	C	17:THR	N	1.17
1	4B	36:SER	C	37:ASN	N	1.17
1	4B	37:ASN	C	38:VAL	N	1.17
1	4E	77:ALA	C	78:SER	N	1.17
1	4E	79:THR	C	80:PHE	N	1.17
1	4F	16:ASN	C	17:THR	N	1.17
1	4F	36:SER	C	37:ASN	N	1.17
1	4F	37:ASN	C	38:VAL	N	1.17
1	4I	77:ALA	C	78:SER	N	1.17
1	4I	79:THR	C	80:PHE	N	1.17
1	4J	16:ASN	C	17:THR	N	1.17
1	4J	36:SER	C	37:ASN	N	1.17
1	4J	37:ASN	C	38:VAL	N	1.17
1	4M	77:ALA	C	78:SER	N	1.17
1	4M	79:THR	C	80:PHE	N	1.17
1	4N	16:ASN	C	17:THR	N	1.17
1	4N	36:SER	C	37:ASN	N	1.17
1	4N	37:ASN	C	38:VAL	N	1.17
1	4Q	77:ALA	C	78:SER	N	1.17
1	4Q	79:THR	C	80:PHE	N	1.17
1	4R	16:ASN	C	17:THR	N	1.17
1	4R	36:SER	C	37:ASN	N	1.17
1	4R	37:ASN	C	38:VAL	N	1.17
1	4U	77:ALA	C	78:SER	N	1.17
1	4U	79:THR	C	80:PHE	N	1.17
1	4V	16:ASN	C	17:THR	N	1.17
1	4V	36:SER	C	37:ASN	N	1.17
1	4V	37:ASN	C	38:VAL	N	1.17
1	4Y	77:ALA	C	78:SER	N	1.17
1	4Y	79:THR	C	80:PHE	N	1.17
1	4Z	16:ASN	C	17:THR	N	1.17
1	4Z	36:SER	C	37:ASN	N	1.17
1	4Z	37:ASN	C	38:VAL	N	1.17
1	42	77:ALA	C	78:SER	N	1.17
1	42	79:THR	C	80:PHE	N	1.17
1	43	16:ASN	C	17:THR	N	1.17
1	43	36:SER	C	37:ASN	N	1.17
1	43	37:ASN	C	38:VAL	N	1.17
1	46	77:ALA	C	78:SER	N	1.17
1	46	79:THR	C	80:PHE	N	1.17
1	47	16:ASN	C	17:THR	N	1.17

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	47	36:SER	C	37:ASN	N	1.17
1	47	37:ASN	C	38:VAL	N	1.17
1	5A	77:ALA	C	78:SER	N	1.17
1	5A	79:THR	C	80:PHE	N	1.17
1	5B	16:ASN	C	17:THR	N	1.17
1	5B	36:SER	C	37:ASN	N	1.17
1	5B	37:ASN	C	38:VAL	N	1.17
1	5E	77:ALA	C	78:SER	N	1.17
1	5E	79:THR	C	80:PHE	N	1.17
1	5F	16:ASN	C	17:THR	N	1.17
1	5F	36:SER	C	37:ASN	N	1.17
1	5F	37:ASN	C	38:VAL	N	1.17
1	5I	77:ALA	C	78:SER	N	1.17
1	5I	79:THR	C	80:PHE	N	1.17
1	5J	16:ASN	C	17:THR	N	1.17
1	5J	36:SER	C	37:ASN	N	1.17
1	5J	37:ASN	C	38:VAL	N	1.17
1	5M	77:ALA	C	78:SER	N	1.17
1	5M	79:THR	C	80:PHE	N	1.17
1	5N	16:ASN	C	17:THR	N	1.17
1	5N	36:SER	C	37:ASN	N	1.17
1	5N	37:ASN	C	38:VAL	N	1.17
1	5Q	77:ALA	C	78:SER	N	1.17
1	5Q	79:THR	C	80:PHE	N	1.17
1	5R	16:ASN	C	17:THR	N	1.17
1	5R	36:SER	C	37:ASN	N	1.17
1	5R	37:ASN	C	38:VAL	N	1.17
1	5U	77:ALA	C	78:SER	N	1.17
1	5U	79:THR	C	80:PHE	N	1.17
1	5V	16:ASN	C	17:THR	N	1.17
1	5V	36:SER	C	37:ASN	N	1.17
1	5V	37:ASN	C	38:VAL	N	1.17
1	5Y	77:ALA	C	78:SER	N	1.17
1	5Y	79:THR	C	80:PHE	N	1.17
1	5Z	16:ASN	C	17:THR	N	1.17
1	5Z	36:SER	C	37:ASN	N	1.17
1	5Z	37:ASN	C	38:VAL	N	1.17
1	52	77:ALA	C	78:SER	N	1.17
1	52	79:THR	C	80:PHE	N	1.17
1	53	16:ASN	C	17:THR	N	1.17
1	53	36:SER	C	37:ASN	N	1.17
1	53	37:ASN	C	38:VAL	N	1.17

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	56	77:ALA	C	78:SER	N	1.17
1	56	79:THR	C	80:PHE	N	1.17
1	57	16:ASN	C	17:THR	N	1.17
1	57	36:SER	C	37:ASN	N	1.17
1	57	37:ASN	C	38:VAL	N	1.17
1	6A	77:ALA	C	78:SER	N	1.17
1	6A	79:THR	C	80:PHE	N	1.17
1	6B	16:ASN	C	17:THR	N	1.17
1	6B	36:SER	C	37:ASN	N	1.17
1	6B	37:ASN	C	38:VAL	N	1.17
1	6E	77:ALA	C	78:SER	N	1.17
1	6E	79:THR	C	80:PHE	N	1.17
1	6F	16:ASN	C	17:THR	N	1.17
1	6F	36:SER	C	37:ASN	N	1.17
1	6F	37:ASN	C	38:VAL	N	1.17
1	6I	77:ALA	C	78:SER	N	1.17
1	6I	79:THR	C	80:PHE	N	1.17
1	6J	16:ASN	C	17:THR	N	1.17
1	6J	36:SER	C	37:ASN	N	1.17
1	6J	37:ASN	C	38:VAL	N	1.17
1	6M	77:ALA	C	78:SER	N	1.17
1	6M	79:THR	C	80:PHE	N	1.17
1	6N	16:ASN	C	17:THR	N	1.17
1	6N	36:SER	C	37:ASN	N	1.17
1	6N	37:ASN	C	38:VAL	N	1.17
1	6Q	77:ALA	C	78:SER	N	1.17
1	6Q	79:THR	C	80:PHE	N	1.17
1	6R	16:ASN	C	17:THR	N	1.17
1	6R	36:SER	C	37:ASN	N	1.17
1	6R	37:ASN	C	38:VAL	N	1.17
1	6U	77:ALA	C	78:SER	N	1.17
1	6U	79:THR	C	80:PHE	N	1.17
1	6V	16:ASN	C	17:THR	N	1.17
1	6V	36:SER	C	37:ASN	N	1.17
1	6V	37:ASN	C	38:VAL	N	1.17
1	6Y	77:ALA	C	78:SER	N	1.17
1	6Y	79:THR	C	80:PHE	N	1.17
1	6Z	16:ASN	C	17:THR	N	1.17
1	6Z	36:SER	C	37:ASN	N	1.17
1	6Z	37:ASN	C	38:VAL	N	1.17
1	62	77:ALA	C	78:SER	N	1.17
1	62	79:THR	C	80:PHE	N	1.17

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	63	16:ASN	C	17:THR	N	1.17
1	63	36:SER	C	37:ASN	N	1.17
1	63	37:ASN	C	38:VAL	N	1.17
1	66	77:ALA	C	78:SER	N	1.17
1	66	79:THR	C	80:PHE	N	1.17
1	67	16:ASN	C	17:THR	N	1.17
1	67	36:SER	C	37:ASN	N	1.17
1	67	37:ASN	C	38:VAL	N	1.17
1	7A	77:ALA	C	78:SER	N	1.17
1	7A	79:THR	C	80:PHE	N	1.17
1	7B	16:ASN	C	17:THR	N	1.17
1	7B	36:SER	C	37:ASN	N	1.17
1	7B	37:ASN	C	38:VAL	N	1.17
1	7E	77:ALA	C	78:SER	N	1.17
1	7E	79:THR	C	80:PHE	N	1.17
1	7F	16:ASN	C	17:THR	N	1.17
1	7F	36:SER	C	37:ASN	N	1.17
1	7F	37:ASN	C	38:VAL	N	1.17
1	7I	77:ALA	C	78:SER	N	1.17
1	7I	79:THR	C	80:PHE	N	1.17
1	7J	16:ASN	C	17:THR	N	1.17
1	7J	36:SER	C	37:ASN	N	1.17
1	7J	37:ASN	C	38:VAL	N	1.17
1	7M	77:ALA	C	78:SER	N	1.17
1	7M	79:THR	C	80:PHE	N	1.17
1	7N	16:ASN	C	17:THR	N	1.17
1	7N	36:SER	C	37:ASN	N	1.17
1	7N	37:ASN	C	38:VAL	N	1.17
1	7Q	77:ALA	C	78:SER	N	1.17
1	7Q	79:THR	C	80:PHE	N	1.17
1	7R	16:ASN	C	17:THR	N	1.17
1	7R	36:SER	C	37:ASN	N	1.17
1	7R	37:ASN	C	38:VAL	N	1.17
1	7U	77:ALA	C	78:SER	N	1.17
1	7U	79:THR	C	80:PHE	N	1.17
1	7V	16:ASN	C	17:THR	N	1.17
1	7V	36:SER	C	37:ASN	N	1.17
1	7V	37:ASN	C	38:VAL	N	1.17
1	1A	170:ALA	C	171:ARG	N	1.12
1	1B	207:GLY	C	208:SER	N	1.12
1	1B	217:PRO	C	218:ARG	N	1.12
1	1E	170:ALA	C	171:ARG	N	1.12

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	1F	66:TRP	C	67:THR	N	1.12
1	1F	207:GLY	C	208:SER	N	1.12
1	1F	217:PRO	C	218:ARG	N	1.12
1	1I	170:ALA	C	171:ARG	N	1.12
1	1J	207:GLY	C	208:SER	N	1.12
1	1J	217:PRO	C	218:ARG	N	1.12
1	1M	170:ALA	C	171:ARG	N	1.12
1	1N	66:TRP	C	67:THR	N	1.12
1	1N	207:GLY	C	208:SER	N	1.12
1	1N	217:PRO	C	218:ARG	N	1.12
1	1Q	170:ALA	C	171:ARG	N	1.12
1	1R	66:TRP	C	67:THR	N	1.12
1	1R	207:GLY	C	208:SER	N	1.12
1	1R	217:PRO	C	218:ARG	N	1.12
1	1U	170:ALA	C	171:ARG	N	1.12
1	1V	66:TRP	C	67:THR	N	1.12
1	1V	207:GLY	C	208:SER	N	1.12
1	1V	217:PRO	C	218:ARG	N	1.12
1	1Y	170:ALA	C	171:ARG	N	1.12
1	1Z	66:TRP	C	67:THR	N	1.12
1	1Z	207:GLY	C	208:SER	N	1.12
1	1Z	217:PRO	C	218:ARG	N	1.12
1	12	170:ALA	C	171:ARG	N	1.12
1	13	207:GLY	C	208:SER	N	1.12
1	13	217:PRO	C	218:ARG	N	1.12
1	16	170:ALA	C	171:ARG	N	1.12
1	17	207:GLY	C	208:SER	N	1.12
1	17	217:PRO	C	218:ARG	N	1.12
1	2A	170:ALA	C	171:ARG	N	1.12
1	2B	207:GLY	C	208:SER	N	1.12
1	2B	217:PRO	C	218:ARG	N	1.12
1	2E	170:ALA	C	171:ARG	N	1.12
1	2F	207:GLY	C	208:SER	N	1.12
1	2F	217:PRO	C	218:ARG	N	1.12
1	2I	170:ALA	C	171:ARG	N	1.12
1	2J	66:TRP	C	67:THR	N	1.12
1	2J	207:GLY	C	208:SER	N	1.12
1	2J	217:PRO	C	218:ARG	N	1.12
1	2M	170:ALA	C	171:ARG	N	1.12
1	2N	66:TRP	C	67:THR	N	1.12
1	2N	207:GLY	C	208:SER	N	1.12
1	2N	217:PRO	C	218:ARG	N	1.12

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2Q	170:ALA	C	171:ARG	N	1.12
1	2R	66:TRP	C	67:THR	N	1.12
1	2R	207:GLY	C	208:SER	N	1.12
1	2R	217:PRO	C	218:ARG	N	1.12
1	2U	170:ALA	C	171:ARG	N	1.12
1	2V	66:TRP	C	67:THR	N	1.12
1	2V	207:GLY	C	208:SER	N	1.12
1	2V	217:PRO	C	218:ARG	N	1.12
1	2Y	170:ALA	C	171:ARG	N	1.12
1	2Z	66:TRP	C	67:THR	N	1.12
1	2Z	207:GLY	C	208:SER	N	1.12
1	2Z	217:PRO	C	218:ARG	N	1.12
1	22	170:ALA	C	171:ARG	N	1.12
1	23	66:TRP	C	67:THR	N	1.12
1	23	207:GLY	C	208:SER	N	1.12
1	23	217:PRO	C	218:ARG	N	1.12
1	26	170:ALA	C	171:ARG	N	1.12
1	27	207:GLY	C	208:SER	N	1.12
1	27	217:PRO	C	218:ARG	N	1.12
1	3A	170:ALA	C	171:ARG	N	1.12
1	3B	66:TRP	C	67:THR	N	1.12
1	3B	207:GLY	C	208:SER	N	1.12
1	3B	217:PRO	C	218:ARG	N	1.12
1	3E	170:ALA	C	171:ARG	N	1.12
1	3F	207:GLY	C	208:SER	N	1.12
1	3F	217:PRO	C	218:ARG	N	1.12
1	3I	170:ALA	C	171:ARG	N	1.12
1	3J	66:TRP	C	67:THR	N	1.12
1	3J	207:GLY	C	208:SER	N	1.12
1	3J	217:PRO	C	218:ARG	N	1.12
1	3M	170:ALA	C	171:ARG	N	1.12
1	3N	66:TRP	C	67:THR	N	1.12
1	3N	207:GLY	C	208:SER	N	1.12
1	3N	217:PRO	C	218:ARG	N	1.12
1	3Q	170:ALA	C	171:ARG	N	1.12
1	3R	207:GLY	C	208:SER	N	1.12
1	3R	217:PRO	C	218:ARG	N	1.12
1	3U	170:ALA	C	171:ARG	N	1.12
1	3V	207:GLY	C	208:SER	N	1.12
1	3V	217:PRO	C	218:ARG	N	1.12
1	3Y	170:ALA	C	171:ARG	N	1.12
1	3Z	207:GLY	C	208:SER	N	1.12

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	3Z	217:PRO	C	218:ARG	N	1.12
1	32	170:ALA	C	171:ARG	N	1.12
1	33	66:TRP	C	67:THR	N	1.12
1	33	207:GLY	C	208:SER	N	1.12
1	33	217:PRO	C	218:ARG	N	1.12
1	36	170:ALA	C	171:ARG	N	1.12
1	37	66:TRP	C	67:THR	N	1.12
1	37	207:GLY	C	208:SER	N	1.12
1	37	217:PRO	C	218:ARG	N	1.12
1	4A	170:ALA	C	171:ARG	N	1.12
1	4B	207:GLY	C	208:SER	N	1.12
1	4B	217:PRO	C	218:ARG	N	1.12
1	4E	170:ALA	C	171:ARG	N	1.12
1	4F	66:TRP	C	67:THR	N	1.12
1	4F	207:GLY	C	208:SER	N	1.12
1	4F	217:PRO	C	218:ARG	N	1.12
1	4I	170:ALA	C	171:ARG	N	1.12
1	4J	66:TRP	C	67:THR	N	1.12
1	4J	207:GLY	C	208:SER	N	1.12
1	4J	217:PRO	C	218:ARG	N	1.12
1	4M	170:ALA	C	171:ARG	N	1.12
1	4N	207:GLY	C	208:SER	N	1.12
1	4N	217:PRO	C	218:ARG	N	1.12
1	4Q	170:ALA	C	171:ARG	N	1.12
1	4R	66:TRP	C	67:THR	N	1.12
1	4R	207:GLY	C	208:SER	N	1.12
1	4R	217:PRO	C	218:ARG	N	1.12
1	4U	170:ALA	C	171:ARG	N	1.12
1	4V	207:GLY	C	208:SER	N	1.12
1	4V	217:PRO	C	218:ARG	N	1.12
1	4Y	170:ALA	C	171:ARG	N	1.12
1	4Z	66:TRP	C	67:THR	N	1.12
1	4Z	207:GLY	C	208:SER	N	1.12
1	4Z	217:PRO	C	218:ARG	N	1.12
1	42	170:ALA	C	171:ARG	N	1.12
1	43	66:TRP	C	67:THR	N	1.12
1	43	207:GLY	C	208:SER	N	1.12
1	43	217:PRO	C	218:ARG	N	1.12
1	46	170:ALA	C	171:ARG	N	1.12
1	47	66:TRP	C	67:THR	N	1.12
1	47	207:GLY	C	208:SER	N	1.12
1	47	217:PRO	C	218:ARG	N	1.12

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	5A	170:ALA	C	171:ARG	N	1.12
1	5B	66:TRP	C	67:THR	N	1.12
1	5B	207:GLY	C	208:SER	N	1.12
1	5B	217:PRO	C	218:ARG	N	1.12
1	5E	170:ALA	C	171:ARG	N	1.12
1	5F	207:GLY	C	208:SER	N	1.12
1	5F	217:PRO	C	218:ARG	N	1.12
1	5I	170:ALA	C	171:ARG	N	1.12
1	5J	207:GLY	C	208:SER	N	1.12
1	5J	217:PRO	C	218:ARG	N	1.12
1	5M	170:ALA	C	171:ARG	N	1.12
1	5N	207:GLY	C	208:SER	N	1.12
1	5N	217:PRO	C	218:ARG	N	1.12
1	5Q	170:ALA	C	171:ARG	N	1.12
1	5R	207:GLY	C	208:SER	N	1.12
1	5R	217:PRO	C	218:ARG	N	1.12
1	5U	170:ALA	C	171:ARG	N	1.12
1	5V	66:TRP	C	67:THR	N	1.12
1	5V	207:GLY	C	208:SER	N	1.12
1	5V	217:PRO	C	218:ARG	N	1.12
1	5Y	170:ALA	C	171:ARG	N	1.12
1	5Z	66:TRP	C	67:THR	N	1.12
1	5Z	207:GLY	C	208:SER	N	1.12
1	5Z	217:PRO	C	218:ARG	N	1.12
1	52	170:ALA	C	171:ARG	N	1.12
1	53	66:TRP	C	67:THR	N	1.12
1	53	207:GLY	C	208:SER	N	1.12
1	53	217:PRO	C	218:ARG	N	1.12
1	56	170:ALA	C	171:ARG	N	1.12
1	57	66:TRP	C	67:THR	N	1.12
1	57	207:GLY	C	208:SER	N	1.12
1	57	217:PRO	C	218:ARG	N	1.12
1	6A	170:ALA	C	171:ARG	N	1.12
1	6B	66:TRP	C	67:THR	N	1.12
1	6B	207:GLY	C	208:SER	N	1.12
1	6B	217:PRO	C	218:ARG	N	1.12
1	6E	170:ALA	C	171:ARG	N	1.12
1	6F	66:TRP	C	67:THR	N	1.12
1	6F	207:GLY	C	208:SER	N	1.12
1	6F	217:PRO	C	218:ARG	N	1.12
1	6I	170:ALA	C	171:ARG	N	1.12
1	6J	207:GLY	C	208:SER	N	1.12

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	6J	217:PRO	C	218:ARG	N	1.12
1	6M	170:ALA	C	171:ARG	N	1.12
1	6N	66:TRP	C	67:THR	N	1.12
1	6N	207:GLY	C	208:SER	N	1.12
1	6N	217:PRO	C	218:ARG	N	1.12
1	6Q	170:ALA	C	171:ARG	N	1.12
1	6R	207:GLY	C	208:SER	N	1.12
1	6R	217:PRO	C	218:ARG	N	1.12
1	6U	170:ALA	C	171:ARG	N	1.12
1	6V	66:TRP	C	67:THR	N	1.12
1	6V	207:GLY	C	208:SER	N	1.12
1	6V	217:PRO	C	218:ARG	N	1.12
1	6Y	170:ALA	C	171:ARG	N	1.12
1	6Z	66:TRP	C	67:THR	N	1.12
1	6Z	207:GLY	C	208:SER	N	1.12
1	6Z	217:PRO	C	218:ARG	N	1.12
1	62	170:ALA	C	171:ARG	N	1.12
1	63	207:GLY	C	208:SER	N	1.12
1	63	217:PRO	C	218:ARG	N	1.12
1	66	170:ALA	C	171:ARG	N	1.12
1	67	207:GLY	C	208:SER	N	1.12
1	67	217:PRO	C	218:ARG	N	1.12
1	7A	170:ALA	C	171:ARG	N	1.12
1	7B	207:GLY	C	208:SER	N	1.12
1	7B	217:PRO	C	218:ARG	N	1.12
1	7E	170:ALA	C	171:ARG	N	1.12
1	7F	66:TRP	C	67:THR	N	1.12
1	7F	207:GLY	C	208:SER	N	1.12
1	7F	217:PRO	C	218:ARG	N	1.12
1	7I	170:ALA	C	171:ARG	N	1.12
1	7J	66:TRP	C	67:THR	N	1.12
1	7J	207:GLY	C	208:SER	N	1.12
1	7J	217:PRO	C	218:ARG	N	1.12
1	7M	170:ALA	C	171:ARG	N	1.12
1	7N	207:GLY	C	208:SER	N	1.12
1	7N	217:PRO	C	218:ARG	N	1.12
1	7Q	170:ALA	C	171:ARG	N	1.12
1	7R	66:TRP	C	67:THR	N	1.12
1	7R	207:GLY	C	208:SER	N	1.12
1	7R	217:PRO	C	218:ARG	N	1.12
1	7U	170:ALA	C	171:ARG	N	1.12
1	7V	66:TRP	C	67:THR	N	1.12

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	7V	207:GLY	C	208:SER	N	1.12
1	7V	217:PRO	C	218:ARG	N	1.12
1	1B	66:TRP	C	67:THR	N	1.11
1	1J	66:TRP	C	67:THR	N	1.11
1	13	66:TRP	C	67:THR	N	1.11
1	17	66:TRP	C	67:THR	N	1.11
1	2B	66:TRP	C	67:THR	N	1.11
1	2F	66:TRP	C	67:THR	N	1.11
1	27	66:TRP	C	67:THR	N	1.11
1	3F	66:TRP	C	67:THR	N	1.11
1	3R	66:TRP	C	67:THR	N	1.11
1	3V	66:TRP	C	67:THR	N	1.11
1	3Z	66:TRP	C	67:THR	N	1.11
1	4B	66:TRP	C	67:THR	N	1.11
1	4N	66:TRP	C	67:THR	N	1.11
1	4V	66:TRP	C	67:THR	N	1.11
1	5F	66:TRP	C	67:THR	N	1.11
1	5J	66:TRP	C	67:THR	N	1.11
1	5N	66:TRP	C	67:THR	N	1.11
1	5R	66:TRP	C	67:THR	N	1.11
1	6J	66:TRP	C	67:THR	N	1.11
1	6R	66:TRP	C	67:THR	N	1.11
1	63	66:TRP	C	67:THR	N	1.11
1	67	66:TRP	C	67:THR	N	1.11
1	7B	66:TRP	C	67:THR	N	1.11
1	7N	66:TRP	C	67:THR	N	1.11
1	1A	169:ASP	C	170:ALA	N	1.10
1	1E	169:ASP	C	170:ALA	N	1.10
1	1I	169:ASP	C	170:ALA	N	1.10
1	1M	169:ASP	C	170:ALA	N	1.10
1	1Q	169:ASP	C	170:ALA	N	1.10
1	1U	169:ASP	C	170:ALA	N	1.10
1	1Y	169:ASP	C	170:ALA	N	1.10
1	12	169:ASP	C	170:ALA	N	1.10
1	16	169:ASP	C	170:ALA	N	1.10
1	2A	169:ASP	C	170:ALA	N	1.10
1	2E	169:ASP	C	170:ALA	N	1.10
1	2I	169:ASP	C	170:ALA	N	1.10
1	2M	169:ASP	C	170:ALA	N	1.10
1	2Q	169:ASP	C	170:ALA	N	1.10
1	2U	169:ASP	C	170:ALA	N	1.10
1	2Y	169:ASP	C	170:ALA	N	1.10

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	22	169:ASP	C	170:ALA	N	1.10
1	26	169:ASP	C	170:ALA	N	1.10
1	3A	169:ASP	C	170:ALA	N	1.10
1	3E	169:ASP	C	170:ALA	N	1.10
1	3I	169:ASP	C	170:ALA	N	1.10
1	3M	169:ASP	C	170:ALA	N	1.10
1	3Q	169:ASP	C	170:ALA	N	1.10
1	3U	169:ASP	C	170:ALA	N	1.10
1	3Y	169:ASP	C	170:ALA	N	1.10
1	32	169:ASP	C	170:ALA	N	1.10
1	36	169:ASP	C	170:ALA	N	1.10
1	4A	169:ASP	C	170:ALA	N	1.10
1	4E	169:ASP	C	170:ALA	N	1.10
1	4I	169:ASP	C	170:ALA	N	1.10
1	4M	169:ASP	C	170:ALA	N	1.10
1	4Q	169:ASP	C	170:ALA	N	1.10
1	4U	169:ASP	C	170:ALA	N	1.10
1	4Y	169:ASP	C	170:ALA	N	1.10
1	42	169:ASP	C	170:ALA	N	1.10
1	46	169:ASP	C	170:ALA	N	1.10
1	5A	169:ASP	C	170:ALA	N	1.10
1	5E	169:ASP	C	170:ALA	N	1.10
1	5I	169:ASP	C	170:ALA	N	1.10
1	5M	169:ASP	C	170:ALA	N	1.10
1	5Q	169:ASP	C	170:ALA	N	1.10
1	5U	169:ASP	C	170:ALA	N	1.10
1	5Y	169:ASP	C	170:ALA	N	1.10
1	52	169:ASP	C	170:ALA	N	1.10
1	56	169:ASP	C	170:ALA	N	1.10
1	6A	169:ASP	C	170:ALA	N	1.10
1	6E	169:ASP	C	170:ALA	N	1.10
1	6I	169:ASP	C	170:ALA	N	1.10
1	6M	169:ASP	C	170:ALA	N	1.10
1	6Q	169:ASP	C	170:ALA	N	1.10
1	6U	169:ASP	C	170:ALA	N	1.10
1	6Y	169:ASP	C	170:ALA	N	1.10
1	62	169:ASP	C	170:ALA	N	1.10
1	66	169:ASP	C	170:ALA	N	1.10
1	7A	169:ASP	C	170:ALA	N	1.10
1	7E	169:ASP	C	170:ALA	N	1.10
1	7I	169:ASP	C	170:ALA	N	1.10
1	7M	169:ASP	C	170:ALA	N	1.10

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	7Q	169:ASP	C	170:ALA	N	1.10
1	7U	169:ASP	C	170:ALA	N	1.10
1	1B	78:HIS	C	79:VAL	N	1.08
1	1F	78:HIS	C	79:VAL	N	1.08
1	1J	78:HIS	C	79:VAL	N	1.08
1	1N	78:HIS	C	79:VAL	N	1.08
1	1R	78:HIS	C	79:VAL	N	1.08
1	1V	78:HIS	C	79:VAL	N	1.08
1	1Z	78:HIS	C	79:VAL	N	1.08
1	13	78:HIS	C	79:VAL	N	1.08
1	17	78:HIS	C	79:VAL	N	1.08
1	2B	78:HIS	C	79:VAL	N	1.08
1	2F	78:HIS	C	79:VAL	N	1.08
1	2J	78:HIS	C	79:VAL	N	1.08
1	2N	78:HIS	C	79:VAL	N	1.08
1	2R	78:HIS	C	79:VAL	N	1.08
1	2V	78:HIS	C	79:VAL	N	1.08
1	2Z	78:HIS	C	79:VAL	N	1.08
1	23	78:HIS	C	79:VAL	N	1.08
1	27	78:HIS	C	79:VAL	N	1.08
1	3B	78:HIS	C	79:VAL	N	1.08
1	3F	78:HIS	C	79:VAL	N	1.08
1	3J	78:HIS	C	79:VAL	N	1.08
1	3N	78:HIS	C	79:VAL	N	1.08
1	3R	78:HIS	C	79:VAL	N	1.08
1	3V	78:HIS	C	79:VAL	N	1.08
1	3Z	78:HIS	C	79:VAL	N	1.08
1	33	78:HIS	C	79:VAL	N	1.08
1	37	78:HIS	C	79:VAL	N	1.08
1	4B	78:HIS	C	79:VAL	N	1.08
1	4F	78:HIS	C	79:VAL	N	1.08
1	4J	78:HIS	C	79:VAL	N	1.08
1	4N	78:HIS	C	79:VAL	N	1.08
1	4R	78:HIS	C	79:VAL	N	1.08
1	4V	78:HIS	C	79:VAL	N	1.08
1	4Z	78:HIS	C	79:VAL	N	1.08
1	43	78:HIS	C	79:VAL	N	1.08
1	47	78:HIS	C	79:VAL	N	1.08
1	5B	78:HIS	C	79:VAL	N	1.08
1	5F	78:HIS	C	79:VAL	N	1.08
1	5J	78:HIS	C	79:VAL	N	1.08
1	5N	78:HIS	C	79:VAL	N	1.08

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	5R	78:HIS	C	79:VAL	N	1.08
1	5V	78:HIS	C	79:VAL	N	1.08
1	5Z	78:HIS	C	79:VAL	N	1.08
1	53	78:HIS	C	79:VAL	N	1.08
1	57	78:HIS	C	79:VAL	N	1.08
1	6B	78:HIS	C	79:VAL	N	1.08
1	6F	78:HIS	C	79:VAL	N	1.08
1	6J	78:HIS	C	79:VAL	N	1.08
1	6N	78:HIS	C	79:VAL	N	1.08
1	6R	78:HIS	C	79:VAL	N	1.08
1	6V	78:HIS	C	79:VAL	N	1.08
1	6Z	78:HIS	C	79:VAL	N	1.08
1	63	78:HIS	C	79:VAL	N	1.08
1	67	78:HIS	C	79:VAL	N	1.08
1	7B	78:HIS	C	79:VAL	N	1.08
1	7F	78:HIS	C	79:VAL	N	1.08
1	7J	78:HIS	C	79:VAL	N	1.08
1	7N	78:HIS	C	79:VAL	N	1.08
1	7R	78:HIS	C	79:VAL	N	1.08
1	7V	78:HIS	C	79:VAL	N	1.08
1	1A	41:ILE	C	42:VAL	N	1.06
1	1E	41:ILE	C	42:VAL	N	1.06
1	1I	41:ILE	C	42:VAL	N	1.06
1	1M	41:ILE	C	42:VAL	N	1.06
1	1Q	41:ILE	C	42:VAL	N	1.06
1	1U	41:ILE	C	42:VAL	N	1.06
1	1Y	41:ILE	C	42:VAL	N	1.06
1	12	41:ILE	C	42:VAL	N	1.06
1	16	41:ILE	C	42:VAL	N	1.06
1	2A	41:ILE	C	42:VAL	N	1.06
1	2E	41:ILE	C	42:VAL	N	1.06
1	2I	41:ILE	C	42:VAL	N	1.06
1	2M	41:ILE	C	42:VAL	N	1.06
1	2Q	41:ILE	C	42:VAL	N	1.06
1	2U	41:ILE	C	42:VAL	N	1.06
1	2Y	41:ILE	C	42:VAL	N	1.06
1	22	41:ILE	C	42:VAL	N	1.06
1	26	41:ILE	C	42:VAL	N	1.06
1	3A	41:ILE	C	42:VAL	N	1.06
1	3E	41:ILE	C	42:VAL	N	1.06
1	3I	41:ILE	C	42:VAL	N	1.06
1	3M	41:ILE	C	42:VAL	N	1.06

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	3Q	41:ILE	C	42:VAL	N	1.06
1	3U	41:ILE	C	42:VAL	N	1.06
1	3Y	41:ILE	C	42:VAL	N	1.06
1	32	41:ILE	C	42:VAL	N	1.06
1	36	41:ILE	C	42:VAL	N	1.06
1	4A	41:ILE	C	42:VAL	N	1.06
1	4E	41:ILE	C	42:VAL	N	1.06
1	4I	41:ILE	C	42:VAL	N	1.06
1	4M	41:ILE	C	42:VAL	N	1.06
1	4Q	41:ILE	C	42:VAL	N	1.06
1	4U	41:ILE	C	42:VAL	N	1.06
1	4Y	41:ILE	C	42:VAL	N	1.06
1	42	41:ILE	C	42:VAL	N	1.06
1	46	41:ILE	C	42:VAL	N	1.06
1	5A	41:ILE	C	42:VAL	N	1.06
1	5E	41:ILE	C	42:VAL	N	1.06
1	5I	41:ILE	C	42:VAL	N	1.06
1	5M	41:ILE	C	42:VAL	N	1.06
1	5Q	41:ILE	C	42:VAL	N	1.06
1	5U	41:ILE	C	42:VAL	N	1.06
1	5Y	41:ILE	C	42:VAL	N	1.06
1	52	41:ILE	C	42:VAL	N	1.06
1	56	41:ILE	C	42:VAL	N	1.06
1	6A	41:ILE	C	42:VAL	N	1.06
1	6E	41:ILE	C	42:VAL	N	1.06
1	6I	41:ILE	C	42:VAL	N	1.06
1	6M	41:ILE	C	42:VAL	N	1.06
1	6Q	41:ILE	C	42:VAL	N	1.06
1	6U	41:ILE	C	42:VAL	N	1.06
1	6Y	41:ILE	C	42:VAL	N	1.06
1	62	41:ILE	C	42:VAL	N	1.06
1	66	41:ILE	C	42:VAL	N	1.06
1	7A	41:ILE	C	42:VAL	N	1.06
1	7E	41:ILE	C	42:VAL	N	1.06
1	7I	41:ILE	C	42:VAL	N	1.06
1	7M	41:ILE	C	42:VAL	N	1.06
1	7Q	41:ILE	C	42:VAL	N	1.06
1	7U	41:ILE	C	42:VAL	N	1.06
1	1M	68:SER	C	69:LEU	N	1.04
1	12	68:SER	C	69:LEU	N	1.04
1	16	68:SER	C	69:LEU	N	1.04
1	2A	68:SER	C	69:LEU	N	1.04

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2I	68:SER	C	69:LEU	N	1.04
1	3A	68:SER	C	69:LEU	N	1.04
1	3I	68:SER	C	69:LEU	N	1.04
1	3Q	68:SER	C	69:LEU	N	1.04
1	3U	68:SER	C	69:LEU	N	1.04
1	3Y	68:SER	C	69:LEU	N	1.04
1	32	68:SER	C	69:LEU	N	1.04
1	4E	68:SER	C	69:LEU	N	1.04
1	4Y	68:SER	C	69:LEU	N	1.04
1	5E	68:SER	C	69:LEU	N	1.04
1	5I	68:SER	C	69:LEU	N	1.04
1	5M	68:SER	C	69:LEU	N	1.04
1	5U	68:SER	C	69:LEU	N	1.04
1	6M	68:SER	C	69:LEU	N	1.04
1	6U	68:SER	C	69:LEU	N	1.04
1	62	68:SER	C	69:LEU	N	1.04
1	66	68:SER	C	69:LEU	N	1.04
1	7A	68:SER	C	69:LEU	N	1.04
1	7E	68:SER	C	69:LEU	N	1.04
1	7Q	68:SER	C	69:LEU	N	1.04
1	1A	68:SER	C	69:LEU	N	1.03
1	1A	182:PHE	C	183:GLN	N	1.03
1	1E	68:SER	C	69:LEU	N	1.03
1	1E	182:PHE	C	183:GLN	N	1.03
1	1I	68:SER	C	69:LEU	N	1.03
1	1I	182:PHE	C	183:GLN	N	1.03
1	1M	182:PHE	C	183:GLN	N	1.03
1	1Q	68:SER	C	69:LEU	N	1.03
1	1Q	182:PHE	C	183:GLN	N	1.03
1	1U	68:SER	C	69:LEU	N	1.03
1	1U	182:PHE	C	183:GLN	N	1.03
1	1Y	68:SER	C	69:LEU	N	1.03
1	1Y	182:PHE	C	183:GLN	N	1.03
1	12	182:PHE	C	183:GLN	N	1.03
1	16	182:PHE	C	183:GLN	N	1.03
1	2A	182:PHE	C	183:GLN	N	1.03
1	2E	68:SER	C	69:LEU	N	1.03
1	2E	182:PHE	C	183:GLN	N	1.03
1	2I	182:PHE	C	183:GLN	N	1.03
1	2M	68:SER	C	69:LEU	N	1.03
1	2M	182:PHE	C	183:GLN	N	1.03
1	2Q	68:SER	C	69:LEU	N	1.03

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2Q	182:PHE	C	183:GLN	N	1.03
1	2U	68:SER	C	69:LEU	N	1.03
1	2U	182:PHE	C	183:GLN	N	1.03
1	2Y	68:SER	C	69:LEU	N	1.03
1	2Y	182:PHE	C	183:GLN	N	1.03
1	22	68:SER	C	69:LEU	N	1.03
1	22	182:PHE	C	183:GLN	N	1.03
1	26	68:SER	C	69:LEU	N	1.03
1	26	182:PHE	C	183:GLN	N	1.03
1	3A	182:PHE	C	183:GLN	N	1.03
1	3E	68:SER	C	69:LEU	N	1.03
1	3E	182:PHE	C	183:GLN	N	1.03
1	3I	182:PHE	C	183:GLN	N	1.03
1	3M	68:SER	C	69:LEU	N	1.03
1	3M	182:PHE	C	183:GLN	N	1.03
1	3Q	182:PHE	C	183:GLN	N	1.03
1	3U	182:PHE	C	183:GLN	N	1.03
1	3Y	182:PHE	C	183:GLN	N	1.03
1	32	182:PHE	C	183:GLN	N	1.03
1	36	68:SER	C	69:LEU	N	1.03
1	36	182:PHE	C	183:GLN	N	1.03
1	4A	68:SER	C	69:LEU	N	1.03
1	4A	182:PHE	C	183:GLN	N	1.03
1	4E	182:PHE	C	183:GLN	N	1.03
1	4I	68:SER	C	69:LEU	N	1.03
1	4I	182:PHE	C	183:GLN	N	1.03
1	4M	68:SER	C	69:LEU	N	1.03
1	4M	182:PHE	C	183:GLN	N	1.03
1	4Q	68:SER	C	69:LEU	N	1.03
1	4Q	182:PHE	C	183:GLN	N	1.03
1	4U	68:SER	C	69:LEU	N	1.03
1	4U	182:PHE	C	183:GLN	N	1.03
1	4Y	182:PHE	C	183:GLN	N	1.03
1	42	68:SER	C	69:LEU	N	1.03
1	42	182:PHE	C	183:GLN	N	1.03
1	46	68:SER	C	69:LEU	N	1.03
1	46	182:PHE	C	183:GLN	N	1.03
1	5A	68:SER	C	69:LEU	N	1.03
1	5A	182:PHE	C	183:GLN	N	1.03
1	5E	182:PHE	C	183:GLN	N	1.03
1	5I	182:PHE	C	183:GLN	N	1.03
1	5M	182:PHE	C	183:GLN	N	1.03

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	5Q	68:SER	C	69:LEU	N	1.03
1	5Q	182:PHE	C	183:GLN	N	1.03
1	5U	182:PHE	C	183:GLN	N	1.03
1	5Y	68:SER	C	69:LEU	N	1.03
1	5Y	182:PHE	C	183:GLN	N	1.03
1	52	68:SER	C	69:LEU	N	1.03
1	52	182:PHE	C	183:GLN	N	1.03
1	56	68:SER	C	69:LEU	N	1.03
1	56	182:PHE	C	183:GLN	N	1.03
1	6A	68:SER	C	69:LEU	N	1.03
1	6A	182:PHE	C	183:GLN	N	1.03
1	6E	68:SER	C	69:LEU	N	1.03
1	6E	182:PHE	C	183:GLN	N	1.03
1	6I	68:SER	C	69:LEU	N	1.03
1	6I	182:PHE	C	183:GLN	N	1.03
1	6M	182:PHE	C	183:GLN	N	1.03
1	6Q	68:SER	C	69:LEU	N	1.03
1	6Q	182:PHE	C	183:GLN	N	1.03
1	6U	182:PHE	C	183:GLN	N	1.03
1	6Y	68:SER	C	69:LEU	N	1.03
1	6Y	182:PHE	C	183:GLN	N	1.03
1	62	182:PHE	C	183:GLN	N	1.03
1	66	182:PHE	C	183:GLN	N	1.03
1	7A	182:PHE	C	183:GLN	N	1.03
1	7E	182:PHE	C	183:GLN	N	1.03
1	7I	68:SER	C	69:LEU	N	1.03
1	7I	182:PHE	C	183:GLN	N	1.03
1	7M	68:SER	C	69:LEU	N	1.03
1	7M	182:PHE	C	183:GLN	N	1.03
1	7Q	182:PHE	C	183:GLN	N	1.03
1	7U	68:SER	C	69:LEU	N	1.03
1	7U	182:PHE	C	183:GLN	N	1.03
1	1B	57:LYS	C	58:LEU	N	1.02
1	1F	57:LYS	C	58:LEU	N	1.02
1	1J	57:LYS	C	58:LEU	N	1.02
1	1N	57:LYS	C	58:LEU	N	1.02
1	1R	57:LYS	C	58:LEU	N	1.02
1	1V	57:LYS	C	58:LEU	N	1.02
1	1Z	57:LYS	C	58:LEU	N	1.02
1	13	57:LYS	C	58:LEU	N	1.02
1	17	57:LYS	C	58:LEU	N	1.02
1	2B	57:LYS	C	58:LEU	N	1.02

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2F	57:LYS	C	58:LEU	N	1.02
1	2J	57:LYS	C	58:LEU	N	1.02
1	2N	57:LYS	C	58:LEU	N	1.02
1	2R	57:LYS	C	58:LEU	N	1.02
1	2V	57:LYS	C	58:LEU	N	1.02
1	2Z	57:LYS	C	58:LEU	N	1.02
1	23	57:LYS	C	58:LEU	N	1.02
1	27	57:LYS	C	58:LEU	N	1.02
1	3B	57:LYS	C	58:LEU	N	1.02
1	3F	57:LYS	C	58:LEU	N	1.02
1	3J	57:LYS	C	58:LEU	N	1.02
1	3N	57:LYS	C	58:LEU	N	1.02
1	3R	57:LYS	C	58:LEU	N	1.02
1	3V	57:LYS	C	58:LEU	N	1.02
1	3Z	57:LYS	C	58:LEU	N	1.02
1	33	57:LYS	C	58:LEU	N	1.02
1	37	57:LYS	C	58:LEU	N	1.02
1	4B	57:LYS	C	58:LEU	N	1.02
1	4F	57:LYS	C	58:LEU	N	1.02
1	4J	57:LYS	C	58:LEU	N	1.02
1	4N	57:LYS	C	58:LEU	N	1.02
1	4R	57:LYS	C	58:LEU	N	1.02
1	4V	57:LYS	C	58:LEU	N	1.02
1	4Z	57:LYS	C	58:LEU	N	1.02
1	43	57:LYS	C	58:LEU	N	1.02
1	47	57:LYS	C	58:LEU	N	1.02
1	5B	57:LYS	C	58:LEU	N	1.02
1	5F	57:LYS	C	58:LEU	N	1.02
1	5J	57:LYS	C	58:LEU	N	1.02
1	5N	57:LYS	C	58:LEU	N	1.02
1	5R	57:LYS	C	58:LEU	N	1.02
1	5V	57:LYS	C	58:LEU	N	1.02
1	5Z	57:LYS	C	58:LEU	N	1.02
1	53	57:LYS	C	58:LEU	N	1.02
1	57	57:LYS	C	58:LEU	N	1.02
1	6B	57:LYS	C	58:LEU	N	1.02
1	6F	57:LYS	C	58:LEU	N	1.02
1	6J	57:LYS	C	58:LEU	N	1.02
1	6N	57:LYS	C	58:LEU	N	1.02
1	6R	57:LYS	C	58:LEU	N	1.02
1	6V	57:LYS	C	58:LEU	N	1.02
1	6Z	57:LYS	C	58:LEU	N	1.02

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	63	57:LYS	C	58:LEU	N	1.02
1	67	57:LYS	C	58:LEU	N	1.02
1	7B	57:LYS	C	58:LEU	N	1.02
1	7F	57:LYS	C	58:LEU	N	1.02
1	7J	57:LYS	C	58:LEU	N	1.02
1	7N	57:LYS	C	58:LEU	N	1.02
1	7R	57:LYS	C	58:LEU	N	1.02
1	7V	57:LYS	C	58:LEU	N	1.02
1	1B	26:ALA	C	27:PRO	N	1.00
1	1F	26:ALA	C	27:PRO	N	1.00
1	1J	26:ALA	C	27:PRO	N	1.00
1	1N	26:ALA	C	27:PRO	N	1.00
1	1R	26:ALA	C	27:PRO	N	1.00
1	1V	26:ALA	C	27:PRO	N	1.00
1	1Z	26:ALA	C	27:PRO	N	1.00
1	13	26:ALA	C	27:PRO	N	1.00
1	17	26:ALA	C	27:PRO	N	1.00
1	2B	26:ALA	C	27:PRO	N	1.00
1	2F	26:ALA	C	27:PRO	N	1.00
1	2J	26:ALA	C	27:PRO	N	1.00
1	2N	26:ALA	C	27:PRO	N	1.00
1	2R	26:ALA	C	27:PRO	N	1.00
1	2V	26:ALA	C	27:PRO	N	1.00
1	2Z	26:ALA	C	27:PRO	N	1.00
1	23	26:ALA	C	27:PRO	N	1.00
1	27	26:ALA	C	27:PRO	N	1.00
1	3B	26:ALA	C	27:PRO	N	1.00
1	3F	26:ALA	C	27:PRO	N	1.00
1	3J	26:ALA	C	27:PRO	N	1.00
1	3N	26:ALA	C	27:PRO	N	1.00
1	3R	26:ALA	C	27:PRO	N	1.00
1	3V	26:ALA	C	27:PRO	N	1.00
1	3Z	26:ALA	C	27:PRO	N	1.00
1	33	26:ALA	C	27:PRO	N	1.00
1	37	26:ALA	C	27:PRO	N	1.00
1	4B	26:ALA	C	27:PRO	N	1.00
1	4F	26:ALA	C	27:PRO	N	1.00
1	4J	26:ALA	C	27:PRO	N	1.00
1	4N	26:ALA	C	27:PRO	N	1.00
1	4R	26:ALA	C	27:PRO	N	1.00
1	4V	26:ALA	C	27:PRO	N	1.00
1	4Z	26:ALA	C	27:PRO	N	1.00

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	43	26:ALA	C	27:PRO	N	1.00
1	47	26:ALA	C	27:PRO	N	1.00
1	5B	26:ALA	C	27:PRO	N	1.00
1	5F	26:ALA	C	27:PRO	N	1.00
1	5J	26:ALA	C	27:PRO	N	1.00
1	5N	26:ALA	C	27:PRO	N	1.00
1	5R	26:ALA	C	27:PRO	N	1.00
1	5V	26:ALA	C	27:PRO	N	1.00
1	5Z	26:ALA	C	27:PRO	N	1.00
1	53	26:ALA	C	27:PRO	N	1.00
1	57	26:ALA	C	27:PRO	N	1.00
1	6B	26:ALA	C	27:PRO	N	1.00
1	6F	26:ALA	C	27:PRO	N	1.00
1	6J	26:ALA	C	27:PRO	N	1.00
1	6N	26:ALA	C	27:PRO	N	1.00
1	6R	26:ALA	C	27:PRO	N	1.00
1	6V	26:ALA	C	27:PRO	N	1.00
1	6Z	26:ALA	C	27:PRO	N	1.00
1	63	26:ALA	C	27:PRO	N	1.00
1	67	26:ALA	C	27:PRO	N	1.00
1	7B	26:ALA	C	27:PRO	N	1.00
1	7F	26:ALA	C	27:PRO	N	1.00
1	7J	26:ALA	C	27:PRO	N	1.00
1	7N	26:ALA	C	27:PRO	N	1.00
1	7R	26:ALA	C	27:PRO	N	1.00
1	7V	26:ALA	C	27:PRO	N	1.00
1	1B	222:GLN	C	223:ASP	N	0.98
1	1F	222:GLN	C	223:ASP	N	0.98
1	1J	222:GLN	C	223:ASP	N	0.98
1	1N	222:GLN	C	223:ASP	N	0.98
1	1R	222:GLN	C	223:ASP	N	0.98
1	1V	222:GLN	C	223:ASP	N	0.98
1	1Z	222:GLN	C	223:ASP	N	0.98
1	13	222:GLN	C	223:ASP	N	0.98
1	17	222:GLN	C	223:ASP	N	0.98
1	2B	222:GLN	C	223:ASP	N	0.98
1	2F	222:GLN	C	223:ASP	N	0.98
1	2J	222:GLN	C	223:ASP	N	0.98
1	2N	222:GLN	C	223:ASP	N	0.98
1	2R	222:GLN	C	223:ASP	N	0.98
1	2V	222:GLN	C	223:ASP	N	0.98
1	2Z	222:GLN	C	223:ASP	N	0.98

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	23	222:GLN	C	223:ASP	N	0.98
1	27	222:GLN	C	223:ASP	N	0.98
1	3B	222:GLN	C	223:ASP	N	0.98
1	3F	222:GLN	C	223:ASP	N	0.98
1	3J	222:GLN	C	223:ASP	N	0.98
1	3N	222:GLN	C	223:ASP	N	0.98
1	3R	222:GLN	C	223:ASP	N	0.98
1	3V	222:GLN	C	223:ASP	N	0.98
1	3Z	222:GLN	C	223:ASP	N	0.98
1	33	222:GLN	C	223:ASP	N	0.98
1	37	222:GLN	C	223:ASP	N	0.98
1	4B	222:GLN	C	223:ASP	N	0.98
1	4F	222:GLN	C	223:ASP	N	0.98
1	4J	222:GLN	C	223:ASP	N	0.98
1	4N	222:GLN	C	223:ASP	N	0.98
1	4R	222:GLN	C	223:ASP	N	0.98
1	4V	222:GLN	C	223:ASP	N	0.98
1	4Z	222:GLN	C	223:ASP	N	0.98
1	43	222:GLN	C	223:ASP	N	0.98
1	47	222:GLN	C	223:ASP	N	0.98
1	5B	222:GLN	C	223:ASP	N	0.98
1	5F	222:GLN	C	223:ASP	N	0.98
1	5J	222:GLN	C	223:ASP	N	0.98
1	5N	222:GLN	C	223:ASP	N	0.98
1	5R	222:GLN	C	223:ASP	N	0.98
1	5V	222:GLN	C	223:ASP	N	0.98
1	5Z	222:GLN	C	223:ASP	N	0.98
1	53	222:GLN	C	223:ASP	N	0.98
1	57	222:GLN	C	223:ASP	N	0.98
1	6B	222:GLN	C	223:ASP	N	0.98
1	6F	222:GLN	C	223:ASP	N	0.98
1	6J	222:GLN	C	223:ASP	N	0.98
1	6N	222:GLN	C	223:ASP	N	0.98
1	6R	222:GLN	C	223:ASP	N	0.98
1	6V	222:GLN	C	223:ASP	N	0.98
1	6Z	222:GLN	C	223:ASP	N	0.98
1	63	222:GLN	C	223:ASP	N	0.98
1	67	222:GLN	C	223:ASP	N	0.98
1	7B	222:GLN	C	223:ASP	N	0.98
1	7F	222:GLN	C	223:ASP	N	0.98
1	7J	222:GLN	C	223:ASP	N	0.98
1	7N	222:GLN	C	223:ASP	N	0.98

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	7R	222:GLN	C	223:ASP	N	0.98
1	7V	222:GLN	C	223:ASP	N	0.98
1	1R	7:ASN	C	8:VAL	N	0.97
1	1V	7:ASN	C	8:VAL	N	0.97
1	1Z	7:ASN	C	8:VAL	N	0.97
1	13	7:ASN	C	8:VAL	N	0.97
1	17	7:ASN	C	8:VAL	N	0.97
1	2B	7:ASN	C	8:VAL	N	0.97
1	2R	7:ASN	C	8:VAL	N	0.97
1	2V	7:ASN	C	8:VAL	N	0.97
1	2Z	7:ASN	C	8:VAL	N	0.97
1	3R	7:ASN	C	8:VAL	N	0.97
1	3V	7:ASN	C	8:VAL	N	0.97
1	3Z	7:ASN	C	8:VAL	N	0.97
1	43	7:ASN	C	8:VAL	N	0.97
1	47	7:ASN	C	8:VAL	N	0.97
1	5B	7:ASN	C	8:VAL	N	0.97
1	5F	7:ASN	C	8:VAL	N	0.97
1	5J	7:ASN	C	8:VAL	N	0.97
1	5N	7:ASN	C	8:VAL	N	0.97
1	53	7:ASN	C	8:VAL	N	0.97
1	57	7:ASN	C	8:VAL	N	0.97
1	6B	7:ASN	C	8:VAL	N	0.97
1	63	7:ASN	C	8:VAL	N	0.97
1	67	7:ASN	C	8:VAL	N	0.97
1	7B	7:ASN	C	8:VAL	N	0.97
1	1B	7:ASN	C	8:VAL	N	0.96
1	1F	7:ASN	C	8:VAL	N	0.96
1	1J	7:ASN	C	8:VAL	N	0.96
1	1N	7:ASN	C	8:VAL	N	0.96
1	2F	7:ASN	C	8:VAL	N	0.96
1	2J	7:ASN	C	8:VAL	N	0.96
1	2N	7:ASN	C	8:VAL	N	0.96
1	23	7:ASN	C	8:VAL	N	0.96
1	27	7:ASN	C	8:VAL	N	0.96
1	3B	7:ASN	C	8:VAL	N	0.96
1	3F	7:ASN	C	8:VAL	N	0.96
1	3J	7:ASN	C	8:VAL	N	0.96
1	3N	7:ASN	C	8:VAL	N	0.96
1	33	7:ASN	C	8:VAL	N	0.96
1	37	7:ASN	C	8:VAL	N	0.96
1	4B	7:ASN	C	8:VAL	N	0.96

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	4F	7:ASN	C	8:VAL	N	0.96
1	4J	7:ASN	C	8:VAL	N	0.96
1	4N	7:ASN	C	8:VAL	N	0.96
1	4R	7:ASN	C	8:VAL	N	0.96
1	4V	7:ASN	C	8:VAL	N	0.96
1	4Z	7:ASN	C	8:VAL	N	0.96
1	5R	7:ASN	C	8:VAL	N	0.96
1	5V	7:ASN	C	8:VAL	N	0.96
1	5Z	7:ASN	C	8:VAL	N	0.96
1	6F	7:ASN	C	8:VAL	N	0.96
1	6J	7:ASN	C	8:VAL	N	0.96
1	6N	7:ASN	C	8:VAL	N	0.96
1	6R	7:ASN	C	8:VAL	N	0.96
1	6V	7:ASN	C	8:VAL	N	0.96
1	6Z	7:ASN	C	8:VAL	N	0.96
1	7F	7:ASN	C	8:VAL	N	0.96
1	7J	7:ASN	C	8:VAL	N	0.96
1	7N	7:ASN	C	8:VAL	N	0.96
1	7R	7:ASN	C	8:VAL	N	0.96
1	7V	7:ASN	C	8:VAL	N	0.96
1	1A	42:VAL	C	43:HIS	N	0.92
1	1E	42:VAL	C	43:HIS	N	0.92
1	1I	42:VAL	C	43:HIS	N	0.92
1	1M	42:VAL	C	43:HIS	N	0.92
1	1Q	42:VAL	C	43:HIS	N	0.92
1	1U	42:VAL	C	43:HIS	N	0.92
1	1Y	42:VAL	C	43:HIS	N	0.92
1	12	42:VAL	C	43:HIS	N	0.92
1	16	42:VAL	C	43:HIS	N	0.92
1	2A	42:VAL	C	43:HIS	N	0.92
1	2E	42:VAL	C	43:HIS	N	0.92
1	2I	42:VAL	C	43:HIS	N	0.92
1	2M	42:VAL	C	43:HIS	N	0.92
1	2Q	42:VAL	C	43:HIS	N	0.92
1	2U	42:VAL	C	43:HIS	N	0.92
1	2Y	42:VAL	C	43:HIS	N	0.92
1	22	42:VAL	C	43:HIS	N	0.92
1	26	42:VAL	C	43:HIS	N	0.92
1	3A	42:VAL	C	43:HIS	N	0.92
1	3E	42:VAL	C	43:HIS	N	0.92
1	3I	42:VAL	C	43:HIS	N	0.92
1	3M	42:VAL	C	43:HIS	N	0.92

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	3Q	42:VAL	C	43:HIS	N	0.92
1	3U	42:VAL	C	43:HIS	N	0.92
1	3Y	42:VAL	C	43:HIS	N	0.92
1	32	42:VAL	C	43:HIS	N	0.92
1	36	42:VAL	C	43:HIS	N	0.92
1	4A	42:VAL	C	43:HIS	N	0.92
1	4E	42:VAL	C	43:HIS	N	0.92
1	4I	42:VAL	C	43:HIS	N	0.92
1	4M	42:VAL	C	43:HIS	N	0.92
1	4Q	42:VAL	C	43:HIS	N	0.92
1	4U	42:VAL	C	43:HIS	N	0.92
1	4Y	42:VAL	C	43:HIS	N	0.92
1	42	42:VAL	C	43:HIS	N	0.92
1	46	42:VAL	C	43:HIS	N	0.92
1	5A	42:VAL	C	43:HIS	N	0.92
1	5E	42:VAL	C	43:HIS	N	0.92
1	5I	42:VAL	C	43:HIS	N	0.92
1	5M	42:VAL	C	43:HIS	N	0.92
1	5Q	42:VAL	C	43:HIS	N	0.92
1	5U	42:VAL	C	43:HIS	N	0.92
1	5Y	42:VAL	C	43:HIS	N	0.92
1	52	42:VAL	C	43:HIS	N	0.92
1	56	42:VAL	C	43:HIS	N	0.92
1	6A	42:VAL	C	43:HIS	N	0.92
1	6E	42:VAL	C	43:HIS	N	0.92
1	6I	42:VAL	C	43:HIS	N	0.92
1	6M	42:VAL	C	43:HIS	N	0.92
1	6Q	42:VAL	C	43:HIS	N	0.92
1	6U	42:VAL	C	43:HIS	N	0.92
1	6Y	42:VAL	C	43:HIS	N	0.92
1	62	42:VAL	C	43:HIS	N	0.92
1	66	42:VAL	C	43:HIS	N	0.92
1	7A	42:VAL	C	43:HIS	N	0.92
1	7E	42:VAL	C	43:HIS	N	0.92
1	7I	42:VAL	C	43:HIS	N	0.92
1	7M	42:VAL	C	43:HIS	N	0.92
1	7Q	42:VAL	C	43:HIS	N	0.92
1	7U	42:VAL	C	43:HIS	N	0.92

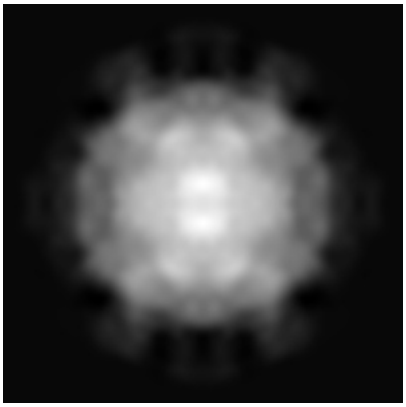
6 Map visualisation

This section contains visualisations of the EMDB entry EMD-2761. These allow visual inspection of the internal detail of the map and identification of artifacts.

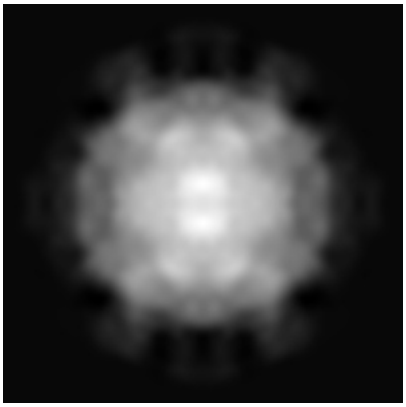
No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

6.1 Orthogonal projections

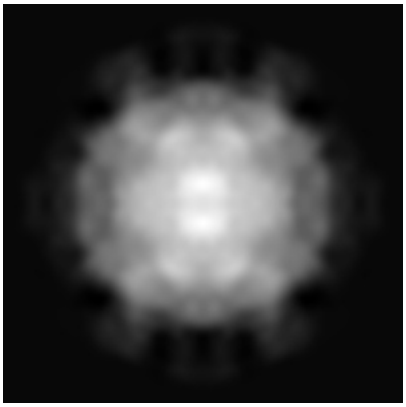
6.1.1 Primary map



X



Y

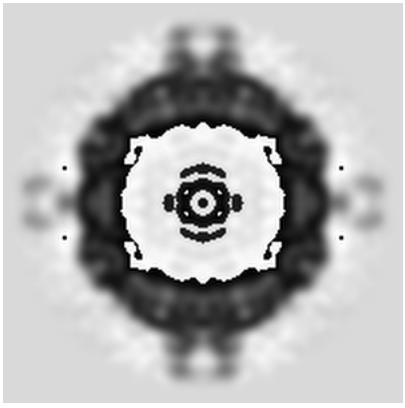


Z

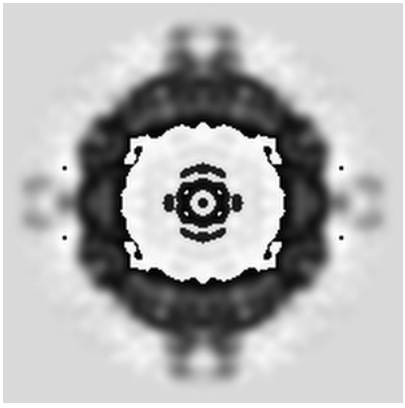
The images above show the map projected in three orthogonal directions.

6.2 Central slices

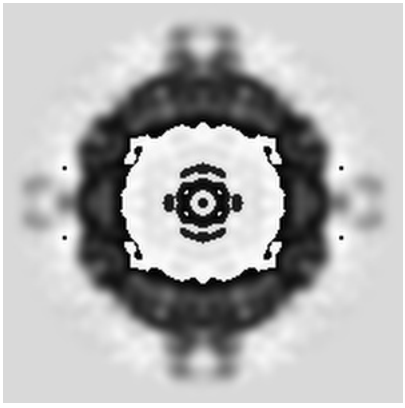
6.2.1 Primary map



X Index: 100



Y Index: 100



Z Index: 100

The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices (i)

6.3.1 Primary map



X Index: 100



Y Index: 100

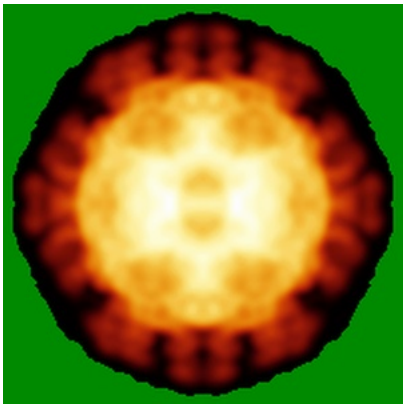


Z Index: 100

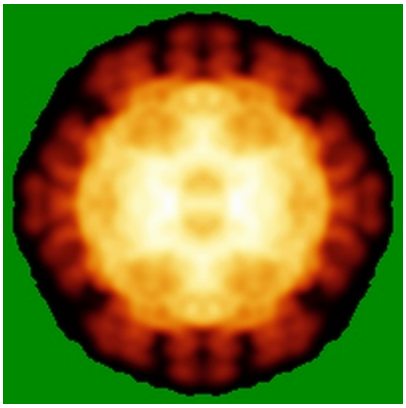
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal standard-deviation projections (False-color) (i)

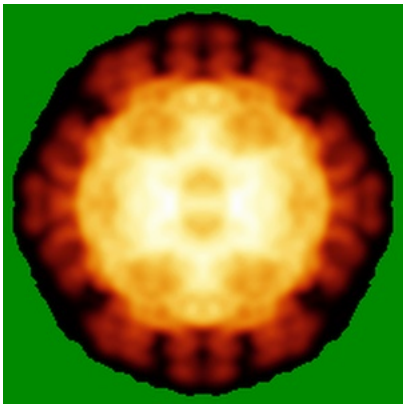
6.4.1 Primary map



X



Y

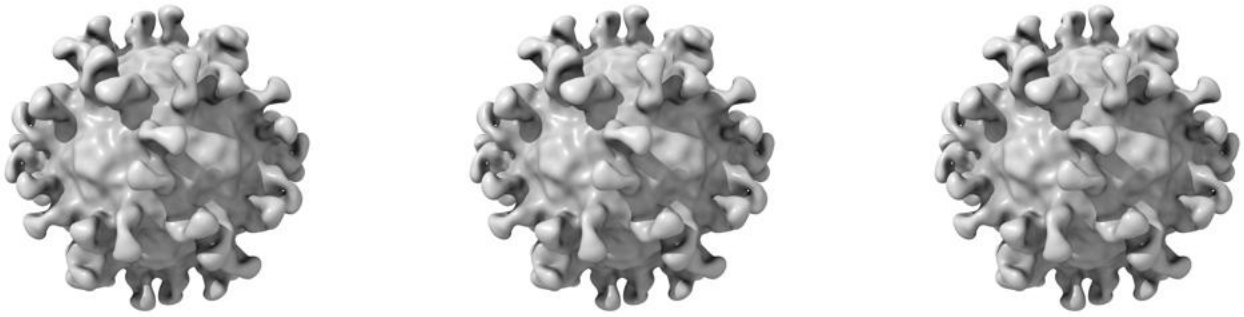


Z

The images above show the map standard deviation projections with false color in three orthogonal directions. Minimum values are shown in green, max in blue, and dark to light orange shades represent small to large values respectively.

6.5 Orthogonal surface views (i)

6.5.1 Primary map



X Y Z

The images above show the 3D surface view of the map at the recommended contour level 7999.0. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

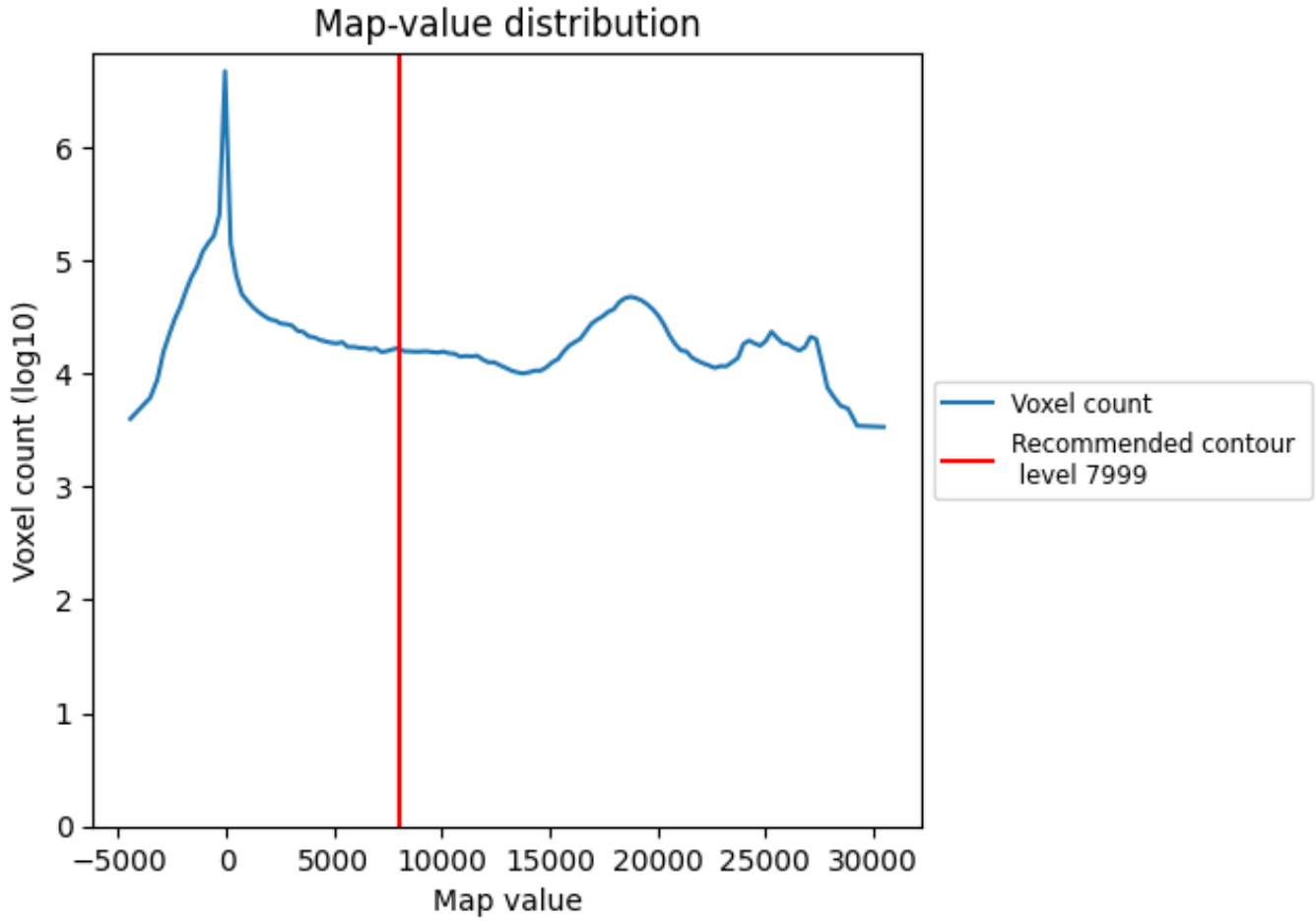
6.6 Mask visualisation (i)

This section was not generated. No masks/segmentation were deposited.

7 Map analysis

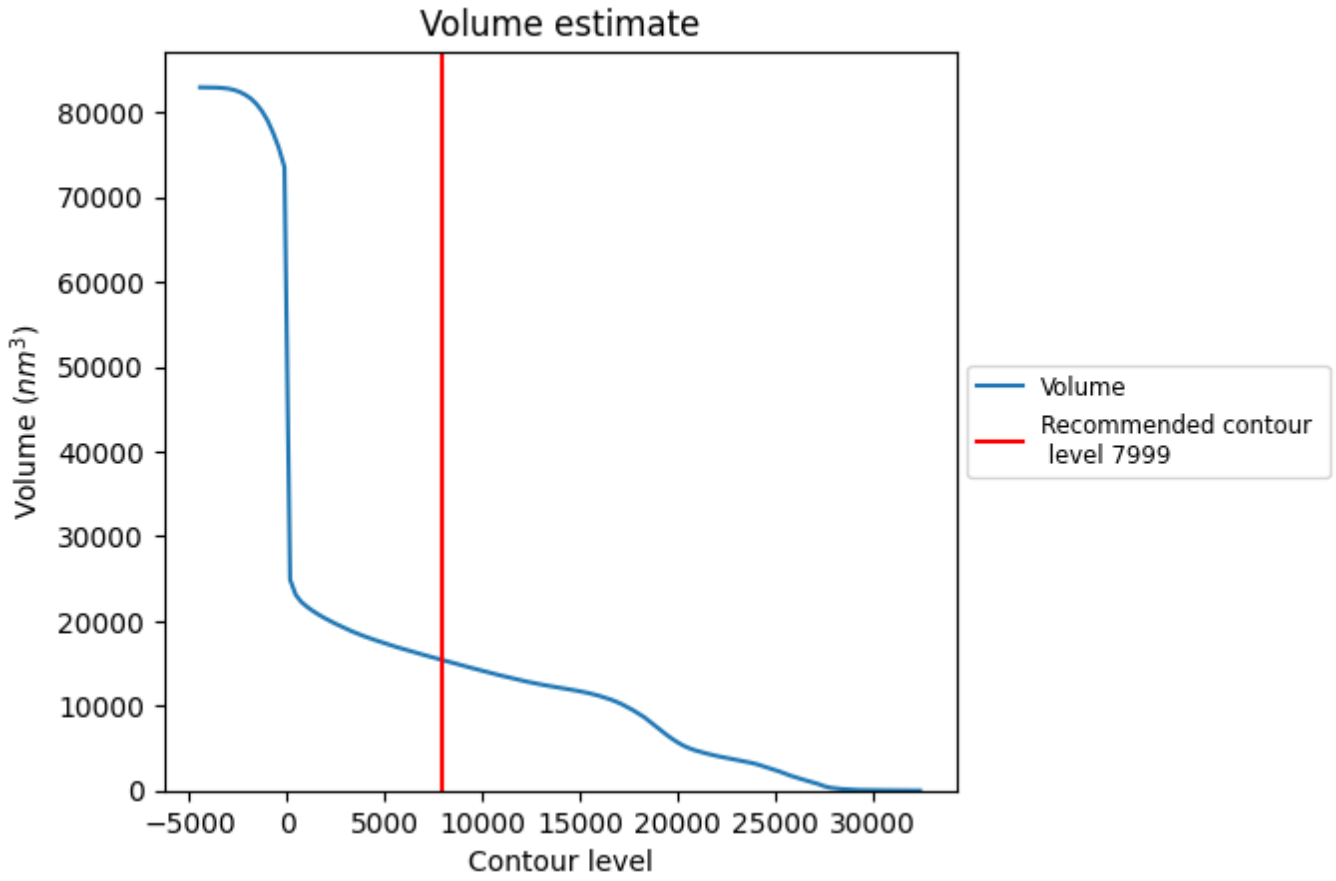
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

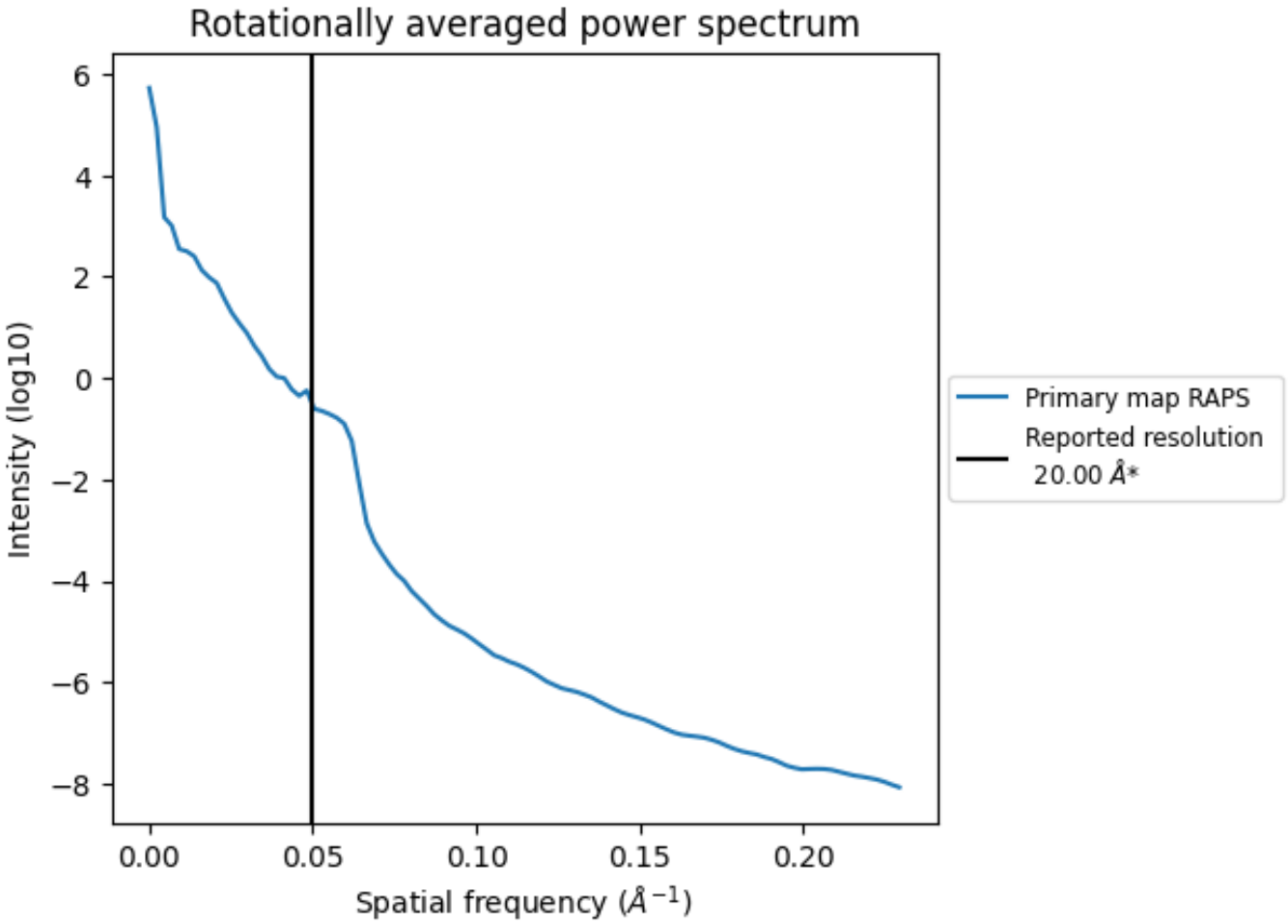
7.2 Volume estimate



The volume at the recommended contour level is 15383 nm^3; this corresponds to an approximate mass of 13896 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

7.3 Rotationally averaged power spectrum (i)

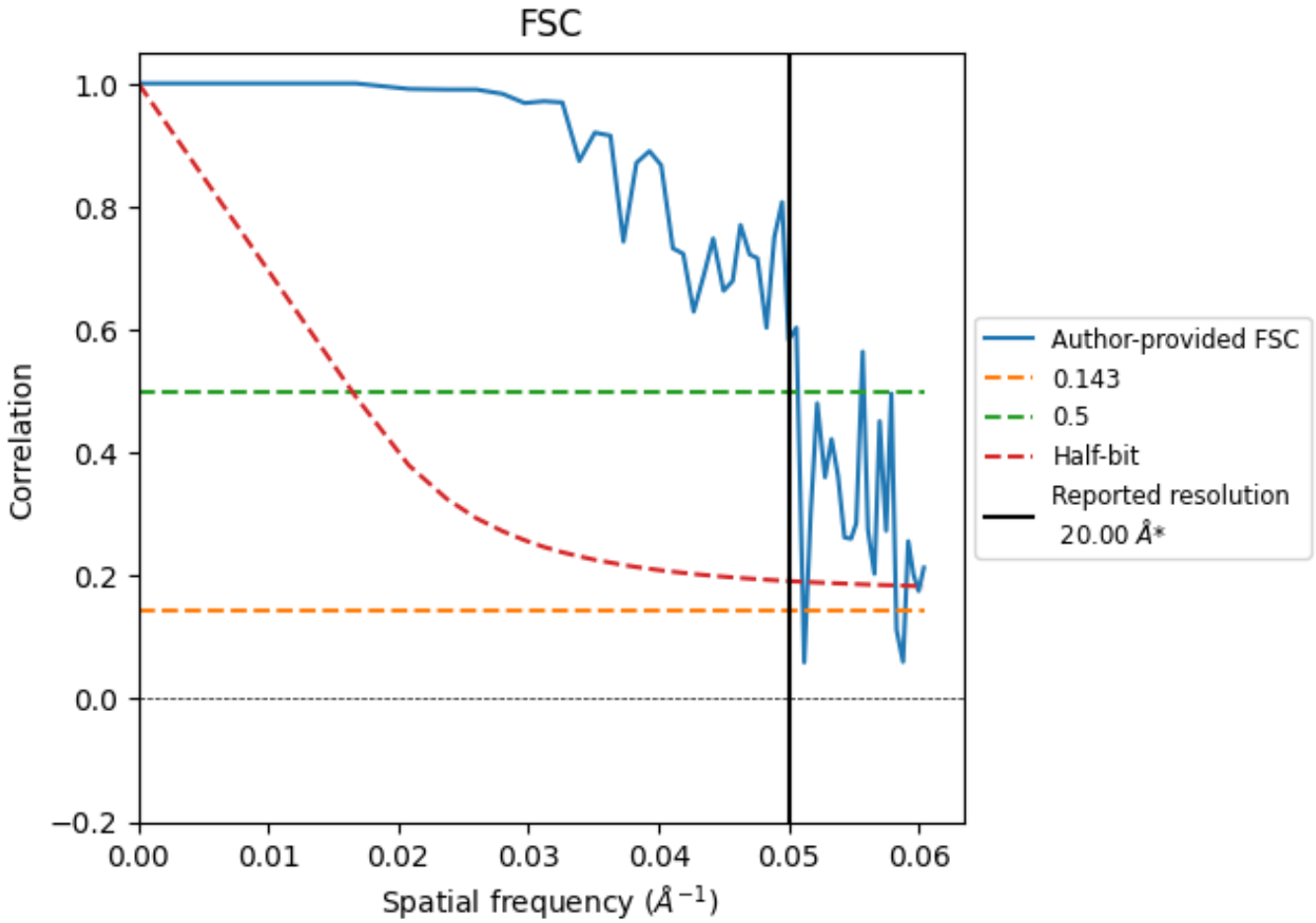


*Reported resolution corresponds to spatial frequency of 0.050 Å^{-1}

8 Fourier-Shell correlation

Fourier-Shell Correlation (FSC) is the most commonly used method to estimate the resolution of single-particle and subtomogram-averaged maps. The shape of the curve depends on the imposed symmetry, mask and whether or not the two 3D reconstructions used were processed from a common reference. The reported resolution is shown as a black line. A curve is displayed for the half-bit criterion in addition to lines showing the 0.143 gold standard cut-off and 0.5 cut-off.

8.1 FSC



*Reported resolution corresponds to spatial frequency of 0.050 Å^{-1}

8.2 Resolution estimates (i)

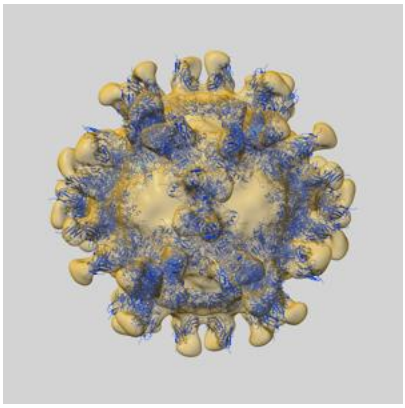
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	-	-	-
Author-provided FSC curve	19.57	19.72	19.61
Unmasked-calculated*	-	-	-

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps.

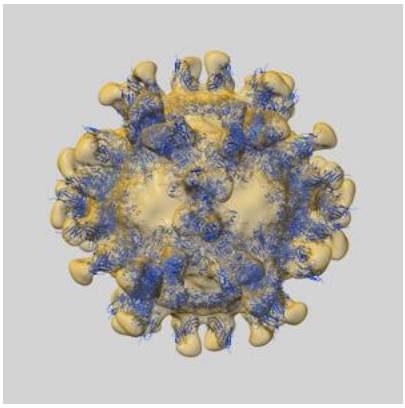
9 Map-model fit

This section contains information regarding the fit between EMDB map EMD-2761 and PDB model 4UDF. Per-residue inclusion information can be found in section 3 on page 25.

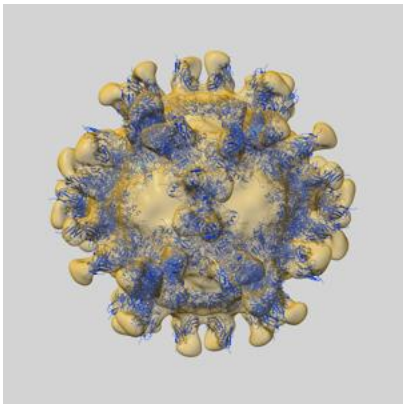
9.1 Map-model overlay



X



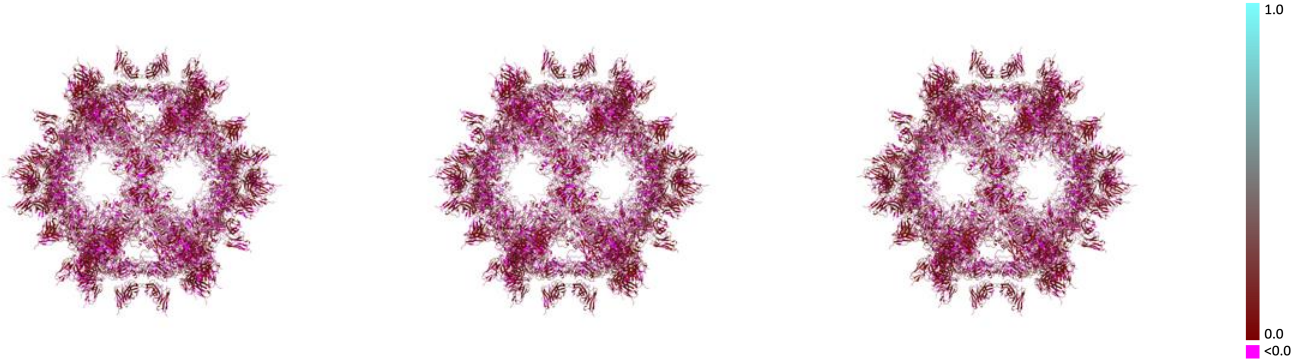
Y



Z

The images above show the 3D surface view of the map at the recommended contour level 7999.0 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

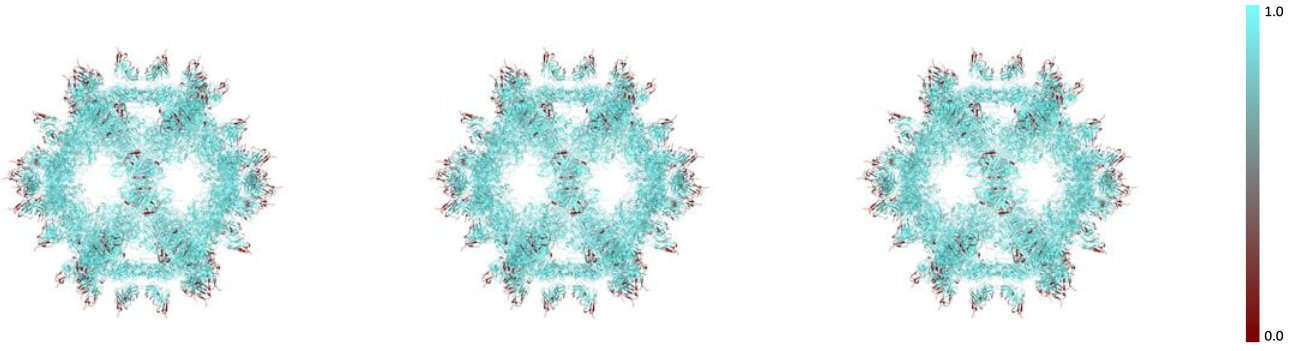
9.2 Q-score mapped to coordinate model (i)



X Y Z

The images above show the model with each residue coloured according its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions at which atoms can be resolved. Low Q-score values may therefore be expected for many entries.

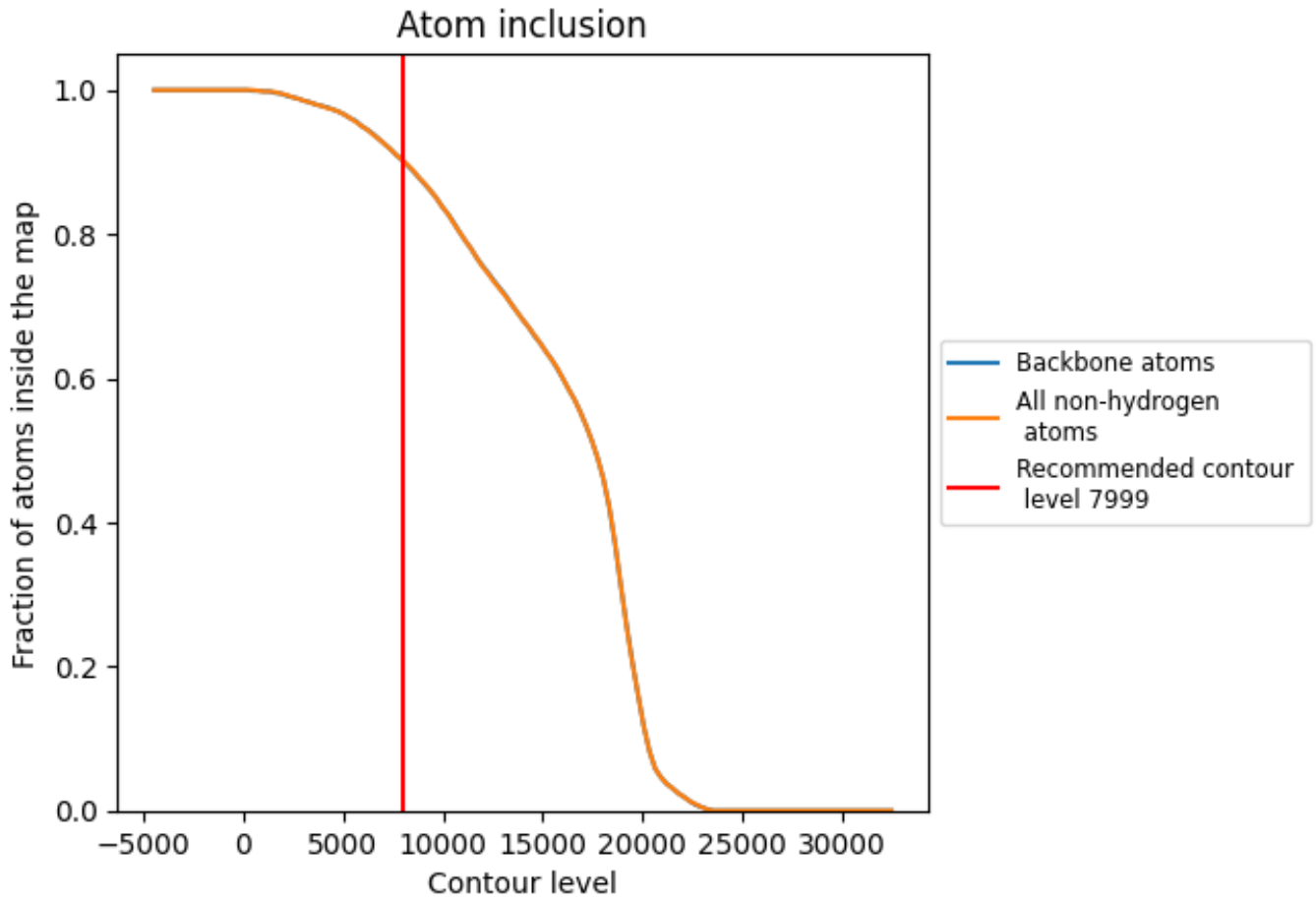
9.3 Atom inclusion mapped to coordinate model (i)



X Y Z

The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (7999).

9.4 Atom inclusion (i)



At the recommended contour level, 90% of all backbone atoms, 90% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (7999) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	0.9020	0.0570
10	0.6390	0.0440
11	0.8000	0.0460
12	0.9940	0.0680
13	0.9970	0.0550
14	0.6900	0.0530
15	0.8160	0.0400
16	0.9940	0.0760
17	0.9970	0.0550
18	0.6900	0.0660
19	0.8160	0.0590
1A	0.9940	0.0640
1B	0.9960	0.0460
1C	0.6300	0.0570
1D	0.7840	0.0460
1E	0.9920	0.0660
1F	0.9970	0.0480
1G	0.6360	0.0470
1H	0.7890	0.0450
1I	0.9940	0.0710
1J	0.9960	0.0520
1K	0.6300	0.0570
1L	0.7840	0.0520
1M	0.9940	0.0700
1N	0.9970	0.0550
1O	0.6910	0.0610
1P	0.8100	0.0570
1Q	0.9940	0.0750
1R	0.9970	0.0580
1S	0.6390	0.0580
1T	0.8000	0.0580
1U	0.9940	0.0690
1V	0.9970	0.0500
1W	0.6390	0.0520
1X	0.8000	0.0510



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Chain	Atom inclusion	Q-score
1Y	0.9940	0.0670
1Z	0.9970	0.0500
20	0.6390	0.0500
21	0.8000	0.0450
22	0.9920	0.0700
23	0.9970	0.0520
24	0.6360	0.0470
25	0.7890	0.0540
26	0.9940	0.0660
27	0.9960	0.0480
28	0.6300	0.0410
29	0.7840	0.0460
2A	0.9940	0.0710
2B	0.9970	0.0500
2C	0.6900	0.0580
2D	0.8160	0.0470
2E	0.9940	0.0750
2F	0.9960	0.0550
2G	0.6300	0.0620
2H	0.7840	0.0530
2I	0.9940	0.0640
2J	0.9970	0.0480
2K	0.6910	0.0490
2L	0.8100	0.0450
2M	0.9920	0.0690
2N	0.9970	0.0530
2O	0.6360	0.0530
2P	0.7890	0.0560
2Q	0.9940	0.0690
2R	0.9970	0.0550
2S	0.6390	0.0570
2T	0.8000	0.0520
2U	0.9940	0.0770
2V	0.9970	0.0560
2W	0.6390	0.0620
2X	0.8000	0.0590
2Y	0.9940	0.0680
2Z	0.9970	0.0490
30	0.6900	0.0520
31	0.8160	0.0560
32	0.9940	0.0620
33	0.9970	0.0470

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Chain	Atom inclusion	Q-score
34	0.6910	0.0440
35	0.8100	0.0500
36	0.9920	0.0690
37	0.9970	0.0560
38	0.6360	0.0500
39	0.7890	0.0580
3A	0.9940	0.0730
3B	0.9970	0.0560
3C	0.6910	0.0550
3D	0.8100	0.0600
3E	0.9940	0.0680
3F	0.9960	0.0470
3G	0.6300	0.0500
3H	0.7840	0.0560
3I	0.9940	0.0730
3J	0.9970	0.0560
3K	0.6910	0.0490
3L	0.8100	0.0610
3M	0.9920	0.0690
3N	0.9970	0.0510
3O	0.6360	0.0390
3P	0.7890	0.0490
3Q	0.9940	0.0720
3R	0.9970	0.0490
3S	0.6900	0.0450
3T	0.8160	0.0550
3U	0.9940	0.0690
3V	0.9970	0.0510
3W	0.6900	0.0480
3X	0.8160	0.0560
3Y	0.9940	0.0780
3Z	0.9970	0.0570
40	0.6910	0.0560
41	0.8100	0.0470
42	0.9940	0.0720
43	0.9970	0.0540
44	0.6390	0.0590
45	0.8000	0.0430
46	0.9940	0.0670
47	0.9970	0.0510
48	0.6390	0.0620
49	0.8000	0.0460

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Chain	Atom inclusion	Q-score
4A	0.9940	0.0730
4B	0.9960	0.0490
4C	0.6300	0.0540
4D	0.7840	0.0610
4E	0.9940	0.0680
4F	0.9970	0.0520
4G	0.6910	0.0480
4H	0.8100	0.0590
4I	0.9920	0.0720
4J	0.9970	0.0510
4K	0.6360	0.0500
4L	0.7890	0.0550
4M	0.9940	0.0650
4N	0.9960	0.0430
4O	0.6300	0.0450
4P	0.7840	0.0520
4Q	0.9920	0.0740
4R	0.9970	0.0590
4S	0.6360	0.0620
4T	0.7890	0.0520
4U	0.9940	0.0710
4V	0.9960	0.0470
4W	0.6300	0.0580
4X	0.7840	0.0450
4Y	0.9940	0.0650
4Z	0.9970	0.0530
50	0.6360	0.0640
51	0.7890	0.0590
52	0.9940	0.0740
53	0.9970	0.0530
54	0.6390	0.0570
55	0.8000	0.0620
56	0.9940	0.0680
57	0.9970	0.0500
58	0.6390	0.0440
59	0.8000	0.0490
5A	0.9940	0.0740
5B	0.9970	0.0550
5C	0.6390	0.0620
5D	0.8000	0.0510
5E	0.9940	0.0740
5F	0.9970	0.0590

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Chain	Atom inclusion	Q-score
5G	0.6900	0.0610
5H	0.8160	0.0600
5I	0.9940	0.0720
5J	0.9970	0.0500
5K	0.6900	0.0500
5L	0.8160	0.0490
5M	0.9940	0.0670
5N	0.9970	0.0460
5O	0.6900	0.0470
5P	0.8160	0.0480
5Q	0.9940	0.0630
5R	0.9960	0.0480
5S	0.6300	0.0480
5T	0.7840	0.0400
5U	0.9940	0.0720
5V	0.9970	0.0580
5W	0.6910	0.0570
5X	0.8100	0.0520
5Y	0.9920	0.0730
5Z	0.9970	0.0530
60	0.6360	0.0530
61	0.7890	0.0620
62	0.9940	0.0720
63	0.9970	0.0550
64	0.6900	0.0550
65	0.8160	0.0520
66	0.9940	0.0770
67	0.9970	0.0540
68	0.6900	0.0650
69	0.8160	0.0590
6A	0.9940	0.0730
6B	0.9970	0.0560
6C	0.6390	0.0500
6D	0.8000	0.0510
6E	0.9920	0.0630
6F	0.9970	0.0490
6G	0.6360	0.0450
6H	0.7890	0.0470
6I	0.9940	0.0750
6J	0.9960	0.0570
6K	0.6300	0.0550
6L	0.7840	0.0560

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Chain	Atom inclusion	Q-score
6M	0.9940	0.0700
6N	0.9970	0.0540
6O	0.6910	0.0530
6P	0.8100	0.0500
6Q	0.9940	0.0690
6R	0.9960	0.0460
6S	0.6300	0.0540
6T	0.7840	0.0510
6U	0.9940	0.0620
6V	0.9970	0.0500
6W	0.6910	0.0440
6X	0.8100	0.0470
6Y	0.9920	0.0750
6Z	0.9970	0.0590
7A	0.9940	0.0660
7B	0.9970	0.0490
7C	0.6900	0.0520
7D	0.8160	0.0430
7E	0.9940	0.0680
7F	0.9970	0.0520
7G	0.6910	0.0580
7H	0.8100	0.0480
7I	0.9920	0.0650
7J	0.9970	0.0500
7K	0.6360	0.0510
7L	0.7890	0.0440
7M	0.9940	0.0730
7N	0.9960	0.0510
7O	0.6300	0.0650
7P	0.7840	0.0540
7Q	0.9940	0.0670
7R	0.9970	0.0550
7S	0.6910	0.0630
7T	0.8100	0.0510
7U	0.9920	0.0700
7V	0.9970	0.0530
7W	0.6360	0.0600
7X	0.7890	0.0480