Full wwPDB X-ray Structure Validation Report (i)

Sep 16, 2026 – 07:24 am BST

PDB ID	:	6FKR / pdb_00006fkr
Title	:	Crystal structure of the dolphin proline-rich antimicrobial peptide Tur1A bound to the Thermus thermophilus 70S ribosome
Authors	:	Mardirossian, M.; Perebaskine, N.; Benincasa, M.; Gambato, S.; Hofmann, S.; Huter, P.; Muller, C.; Hilpert, K.; Innis, C.A.; Tossi, A.; Wilson, D.N.
Deposited on	:	2018-01-24
Resolution	:	3.20 Å(reported)

This is a Full wwPDB X-ray Structure Validation Report for a publicly released PDB entry.

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

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

The following versions of software and data (see references (1)) were used in the production of this report:

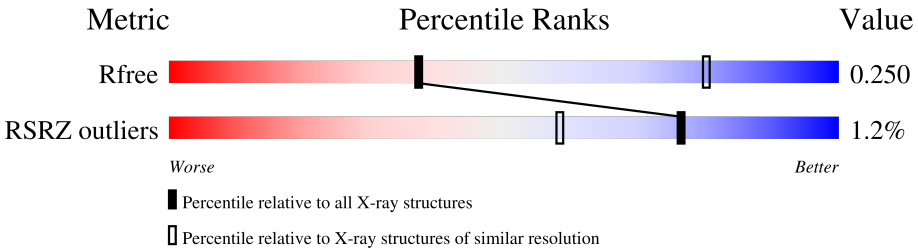
MolProbity	:	FAILED
Mogul	:	1.8.4, CSD as541be (2020)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.015 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.50

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
X-RAY DIFFRACTION

The reported resolution of this entry is 3.20 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	1466 (3.20-3.20)
RSRZ outliers	180081	1466 (3.20-3.20)

MolProbity failed to run properly - the sequence quality summary graphics cannot be shown.

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	1A	3252	-	-	-	X
55	MG	1A	3528	-	-	-	X
55	MG	1A	3553	-	-	-	X
55	MG	1A	3556	-	-	-	X
55	MG	1A	3584	-	-	-	X
55	MG	1D	303	-	-	-	X
55	MG	1a	1661	-	-	-	X
55	MG	2A	3492	-	-	-	X
55	MG	2A	3594	-	-	-	X
55	MG	2A	3911	-	-	-	X
55	MG	2A	3931	-	-	-	X
55	MG	2a	1739	-	-	-	X

2 Entry composition (i)

There are 58 unique types of molecules in this entry. The entry contains 294294 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

- Molecule 1 is a RNA chain called 23S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	1A	2872	Total	C	N	O	P	0	0	0
			61872	27540	11574	19886	2872			
1	2A	2872	Total	C	N	O	P	0	0	0
			61872	27540	11574	19886	2872			

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
1A	652R	G	C	conflict	GB 37223181
1A	1227	G	UNK	conflict	GB 37223181
2A	652R	G	C	conflict	GB 37223181
2A	1227	G	UNK	conflict	GB 37223181

- Molecule 2 is a RNA chain called 5S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	1B	120	Total	C	N	O	P	0	0	0
			2575	1145	476	834	120			
2	2B	120	Total	C	N	O	P	0	0	0
			2575	1145	476	834	120			

- Molecule 3 is a protein called 50S ribosomal protein L2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	1D	275	Total	C	N	O	S	0	0	0
			2131	1346	422	360	3			
3	2D	275	Total	C	N	O	S	0	0	0
			2131	1346	422	360	3			

- Molecule 4 is a protein called 50S ribosomal protein L3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	1E	204	Total	C	N	O	S	0	0	0
			1559	985	298	270	6			
4	2E	204	Total	C	N	O	S	0	0	0
			1559	985	298	270	6			

- Molecule 5 is a protein called 50S ribosomal protein L4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	1F	203	Total	C	N	O	S	0	0	1
			1584	1009	298	275	2			
5	2F	203	Total	C	N	O	S	0	0	1
			1584	1009	298	275	2			

- Molecule 6 is a protein called 50S ribosomal protein L5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	1G	181	Total	C	N	O	S	0	0	0
			1426	916	253	253	4			
6	2G	181	Total	C	N	O	S	0	0	0
			1426	916	253	253	4			

- Molecule 7 is a protein called 50S ribosomal protein L6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	1H	174	Total	C	N	O	S	0	0	0
			1330	845	248	236	1			
7	2H	174	Total	C	N	O	S	0	0	0
			1330	845	248	236	1			

- Molecule 8 is a protein called 50S ribosomal protein L9.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	1I	147	Total	C	N	O	S	0	0	0
			1094	699	191	203	1			
8	2I	147	Total	C	N	O	S	0	0	0
			1094	699	191	203	1			

- Molecule 9 is a protein called 50S ribosomal protein L13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	1N	140	Total	C	N	O	S	0	0	0
			1121	722	208	187	4			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	2N	140	Total	C	N	O	S	0	0	0
			1121	722	208	187	4			

- Molecule 10 is a protein called 50S ribosomal protein L14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	1O	122	Total	C	N	O	S	0	0	0
			933	588	171	170	4			
10	2O	122	Total	C	N	O	S	0	0	0
			933	588	171	170	4			

- Molecule 11 is a protein called 50S ribosomal protein L15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	1P	149	Total	C	N	O	S	0	0	0
			1135	706	230	196	3			
11	2P	149	Total	C	N	O	S	0	0	0
			1135	706	230	196	3			

- Molecule 12 is a protein called 50S ribosomal protein L16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	1Q	141	Total	C	N	O	S	0	0	0
			1122	715	212	188	7			
12	2Q	141	Total	C	N	O	S	0	0	0
			1122	715	212	188	7			

- Molecule 13 is a protein called 50S ribosomal protein L17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	1R	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			
13	2R	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			

- Molecule 14 is a protein called 50S ribosomal protein L18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
14	1S	110	Total	C	N	O	0	0	0
			877	553	175	149			
14	2S	110	Total	C	N	O	0	0	0
			877	553	175	149			

- Molecule 15 is a protein called 50S ribosomal protein L19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	1T	131	Total	C	N	O	S	0	0	0
			1091	680	225	185	1			
15	2T	131	Total	C	N	O	S	0	0	0
			1091	680	225	185	1			

- Molecule 16 is a protein called 50S ribosomal protein L20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	1U	116	Total	C	N	O	S	0	0	0
			959	608	201	149	1			
16	2U	116	Total	C	N	O	S	0	0	0
			959	608	201	149	1			

- Molecule 17 is a protein called 50S ribosomal protein L21.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	1V	101	Total	C	N	O	S	0	0	0
			775	498	141	135	1			
17	2V	101	Total	C	N	O	S	0	0	0
			775	498	141	135	1			

- Molecule 18 is a protein called 50S ribosomal protein L22.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
18	1W	112	Total	C	N	O	S	0	0	0
			886	557	174	153	2			
18	2W	112	Total	C	N	O	S	0	0	0
			886	557	174	153	2			

- Molecule 19 is a protein called 50S ribosomal protein L23.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
19	1X	95	Total	C	N	O	S	0	0	0
			750	488	135	126	1			
19	2X	95	Total	C	N	O	S	0	0	0
			750	488	135	126	1			

- Molecule 20 is a protein called 50S ribosomal protein L24.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	1Y	107	Total	C	N	O	S	0	0	0
			810	520	153	131	6			
20	2Y	107	Total	C	N	O	S	0	0	0
			810	520	153	131	6			

- Molecule 21 is a protein called 50S ribosomal protein L25.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	1Z	203	Total	C	N	O	S	0	0	0
			1587	1011	282	292	2			
21	2Z	203	Total	C	N	O	S	0	0	0
			1587	1011	282	292	2			

- Molecule 22 is a protein called 50S ribosomal protein L27.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	10	77	Total	C	N	O	S	0	0	0
			608	375	129	103	1			
22	20	77	Total	C	N	O	S	0	0	0
			608	375	129	103	1			

- Molecule 23 is a protein called 50S ribosomal protein L28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	11	97	Total	C	N	O	S	0	0	0
			754	475	148	130	1			
23	21	97	Total	C	N	O	S	0	0	0
			754	475	148	130	1			

- Molecule 24 is a protein called 50S ribosomal protein L29.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	12	70	Total	C	N	O	S	0	0	0
			588	365	118	103	2			
24	22	70	Total	C	N	O	S	0	0	0
			588	365	118	103	2			

- Molecule 25 is a protein called 50S ribosomal protein L30.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
25	13	59	Total	C	N	O	0	0	0
			469	298	90	81			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
25	23	59	Total	C	N	O	0	0	0
			469	298	90	81			

- Molecule 26 is a protein called 50S ribosomal protein L31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	14	69	Total	C	N	O	S	0	0	0
			546	346	96	99	5			
26	24	69	Total	C	N	O	S	0	0	0
			546	346	96	99	5			

- Molecule 27 is a protein called 50S ribosomal protein L32.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	15	59	Total	C	N	O	S	0	0	0
			459	288	90	76	5			
27	25	59	Total	C	N	O	S	0	0	0
			459	288	90	76	5			

- Molecule 28 is a protein called 50S ribosomal protein L33.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	16	53	Total	C	N	O	S	0	0	0
			453	281	91	77	4			
28	26	53	Total	C	N	O	S	0	0	0
			453	281	91	77	4			

- Molecule 29 is a protein called 50S ribosomal protein L34.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	17	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			
29	27	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			

- Molecule 30 is a protein called 50S ribosomal protein L35.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	18	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			
30	28	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			

- Molecule 31 is a protein called 50S ribosomal protein L36.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	19	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			
31	29	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			

- Molecule 32 is a RNA chain called 16 ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	1a	1500	Total	C	N	O	P	0	0	0
			32246	14358	5975	10413	1500			
32	2a	1500	Total	C	N	O	P	0	0	0
			32246	14358	5975	10413	1500			

- Molecule 33 is a protein called 30S ribosomal protein S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	1b	231	Total	C	N	O	S	0	0	0
			1842	1175	330	332	5			
33	2b	231	Total	C	N	O	S	0	0	0
			1842	1175	330	332	5			

- Molecule 34 is a protein called 30S ribosomal protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	1c	206	Total	C	N	O	S	0	0	0
			1558	979	305	273	1			
34	2c	206	Total	C	N	O	S	0	0	0
			1558	979	305	273	1			

- Molecule 35 is a protein called 30S ribosomal protein S4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	1d	208	Total	C	N	O	S	0	0	0
			1665	1043	329	286	7			
35	2d	208	Total	C	N	O	S	0	0	0
			1665	1043	329	286	7			

- Molecule 36 is a protein called 30S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	1e	148	Total	C	N	O	S	0	0	0
			1133	716	214	199	4			
36	2e	148	Total	C	N	O	S	0	0	0
			1133	716	214	199	4			

- Molecule 37 is a protein called 30S ribosomal protein S6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	1f	100	Total	C	N	O	S	0	0	0
			814	516	144	151	3			
37	2f	100	Total	C	N	O	S	0	0	0
			814	516	144	151	3			

- Molecule 38 is a protein called 30S ribosomal protein S7.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	1g	155	Total	C	N	O	S	0	0	0
			1235	769	244	216	6			
38	2g	155	Total	C	N	O	S	0	0	0
			1235	769	244	216	6			

- Molecule 39 is a protein called 30S ribosomal protein S8.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	1h	137	Total	C	N	O	S	0	0	0
			1098	694	210	192	2			
39	2h	137	Total	C	N	O	S	0	0	0
			1098	694	210	192	2			

- Molecule 40 is a protein called 30S ribosomal protein S9.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
40	1i	127	Total	C	N	O	0	0	0
			986	625	193	168			
40	2i	127	Total	C	N	O	0	0	0
			986	625	193	168			

- Molecule 41 is a protein called 30S ribosomal protein S10.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
41	1j	97	Total	C	N	O	0	0	0
			719	446	142	131			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
41	2j	97	Total 719	C 446	N 142	O 131	0	0	0

- Molecule 42 is a protein called 30S ribosomal protein S11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	1k	114	Total 834	C 520	N 156	O 155	S 3	0	0	0
42	2k	114	Total 834	C 520	N 156	O 155	S 3	0	0	0

- Molecule 43 is a protein called 30S ribosomal protein S12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	1l	122	Total 932	C 586	N 185	O 159	S 2	0	0	0
43	2l	122	Total 932	C 586	N 185	O 159	S 2	0	0	0

- Molecule 44 is a protein called 30S ribosomal protein S13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	1m	116	Total 914	C 564	N 189	O 159	S 2	0	0	0
44	2m	116	Total 914	C 564	N 189	O 159	S 2	0	0	0

- Molecule 45 is a protein called 30S ribosomal protein S14 type Z.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
45	1n	60	Total 492	C 312	N 104	O 72	S 4	0	0	0
45	2n	60	Total 492	C 312	N 104	O 72	S 4	0	0	0

- Molecule 46 is a protein called 30S ribosomal protein S15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	1o	88	Total 728	C 456	N 144	O 126	S 2	0	0	0
46	2o	88	Total 728	C 456	N 144	O 126	S 2	0	0	0

- Molecule 47 is a protein called 30S ribosomal protein S16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	1p	82	Total	C	N	O	S	0	0	0
			681	433	134	113	1			
47	2p	82	Total	C	N	O	S	0	0	0
			681	433	134	113	1			

- Molecule 48 is a protein called 30S ribosomal protein S17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
48	1q	99	Total	C	N	O	S	0	0	0
			823	528	151	142	2			
48	2q	99	Total	C	N	O	S	0	0	0
			823	528	151	142	2			

- Molecule 49 is a protein called 30S ribosomal protein S18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
49	1r	68	Total	C	N	O	0	0	0
			555	355	108	92			
49	2r	68	Total	C	N	O	0	0	0
			555	355	108	92			

- Molecule 50 is a protein called 30S ribosomal protein S19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	1s	83	Total	C	N	O	S	0	0	0
			648	415	120	111	2			
50	2s	83	Total	C	N	O	S	0	0	0
			648	415	120	111	2			

- Molecule 51 is a protein called 30S ribosomal protein S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
51	1t	96	Total	C	N	O	S	0	0	0
			732	449	157	124	2			
51	2t	96	Total	C	N	O	S	0	0	0
			732	449	157	124	2			

- Molecule 52 is a protein called 30S ribosomal protein Thx.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
52	1u	23	Total 199	C 122	N 48	O 29	0	0	0
52	2u	23	Total 199	C 122	N 48	O 29	0	0	0

- Molecule 53 is a protein called Tur1A peptide.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
53	1y	22	Total 168	C 111	N 34	O 23	0	0	0

- Molecule 54 is a protein called Ribosome-associated inhibitor A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	1z	97	Total 764	C 478	N 144	O 139	S 3	0	0	0
54	2z	97	Total 764	C 478	N 144	O 139	S 3	0	0	0

- Molecule 55 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	1A	957	Total 957	Mg 957	0	0
55	1B	28	Total 28	Mg 28	0	0
55	1D	17	Total 17	Mg 17	0	0
55	1E	5	Total 5	Mg 5	0	0
55	1F	14	Total 14	Mg 14	0	0
55	1G	3	Total 3	Mg 3	0	0
55	1H	2	Total 2	Mg 2	0	0
55	1N	4	Total 4	Mg 4	0	0
55	1P	4	Total 4	Mg 4	0	0
55	1Q	4	Total 4	Mg 4	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
55	1R	4	Total Mg 4 4	0	0
55	1T	2	Total Mg 2 2	0	0
55	1U	5	Total Mg 5 5	0	0
55	1V	3	Total Mg 3 3	0	0
55	1W	3	Total Mg 3 3	0	0
55	1X	2	Total Mg 2 2	0	0
55	1Y	1	Total Mg 1 1	0	0
55	10	7	Total Mg 7 7	0	0
55	11	4	Total Mg 4 4	0	0
55	13	2	Total Mg 2 2	0	0
55	15	5	Total Mg 5 5	0	0
55	17	2	Total Mg 2 2	0	0
55	18	3	Total Mg 3 3	0	0
55	19	3	Total Mg 3 3	0	0
55	1a	245	Total Mg 245 245	0	0
55	1b	1	Total Mg 1 1	0	0
55	1d	5	Total Mg 5 5	0	0
55	1e	1	Total Mg 1 1	0	0
55	1f	1	Total Mg 1 1	0	0
55	1g	1	Total Mg 1 1	0	0
55	1h	1	Total Mg 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
55	1i	1	Total Mg 1 1	0	0
55	1k	1	Total Mg 1 1	0	0
55	1l	2	Total Mg 2 2	0	0
55	1n	1	Total Mg 1 1	0	0
55	1o	2	Total Mg 2 2	0	0
55	1t	1	Total Mg 1 1	0	0
55	2A	971	Total Mg 971 971	0	0
55	2B	26	Total Mg 26 26	0	0
55	2D	17	Total Mg 17 17	0	0
55	2E	6	Total Mg 6 6	0	0
55	2F	11	Total Mg 11 11	0	0
55	2G	3	Total Mg 3 3	0	0
55	2H	2	Total Mg 2 2	0	0
55	2N	3	Total Mg 3 3	0	0
55	2P	2	Total Mg 2 2	0	0
55	2Q	4	Total Mg 4 4	0	0
55	2R	3	Total Mg 3 3	0	0
55	2S	1	Total Mg 1 1	0	0
55	2T	3	Total Mg 3 3	0	0
55	2U	5	Total Mg 5 5	0	0
55	2V	5	Total Mg 5 5	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
55	2W	3	Total Mg 3 3	0	0
55	2X	2	Total Mg 2 2	0	0
55	2Y	1	Total Mg 1 1	0	0
55	20	5	Total Mg 5 5	0	0
55	21	1	Total Mg 1 1	0	0
55	23	2	Total Mg 2 2	0	0
55	25	4	Total Mg 4 4	0	0
55	27	2	Total Mg 2 2	0	0
55	28	2	Total Mg 2 2	0	0
55	29	3	Total Mg 3 3	0	0
55	2a	242	Total Mg 242 242	0	0
55	2b	1	Total Mg 1 1	0	0
55	2d	3	Total Mg 3 3	0	0
55	2e	1	Total Mg 1 1	0	0
55	2f	1	Total Mg 1 1	0	0
55	2g	1	Total Mg 1 1	0	0
55	2h	2	Total Mg 2 2	0	0
55	2i	1	Total Mg 1 1	0	0
55	2l	2	Total Mg 2 2	0	0
55	2o	2	Total Mg 2 2	0	0
55	2t	2	Total Mg 2 2	0	0

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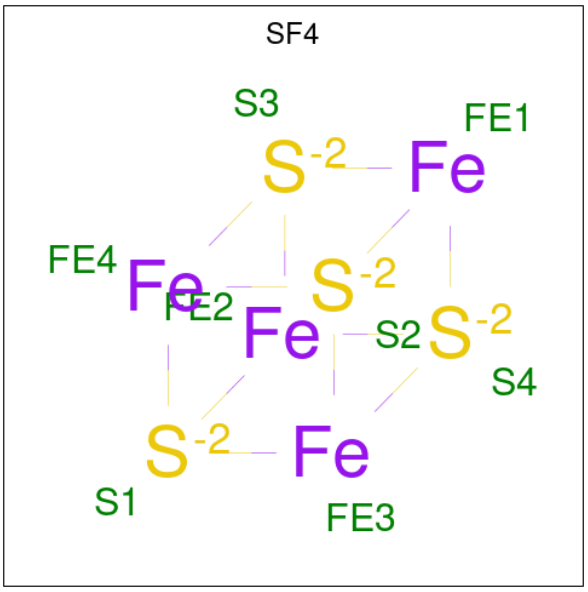
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
55	2z	2	Total Mg 2 2	0	0

- Molecule 56 is ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	1Y	1	Total Zn 1 1	0	0
56	14	1	Total Zn 1 1	0	0
56	15	1	Total Zn 1 1	0	0
56	16	1	Total Zn 1 1	0	0
56	19	1	Total Zn 1 1	0	0
56	1n	1	Total Zn 1 1	0	0
56	2Y	1	Total Zn 1 1	0	0
56	24	1	Total Zn 1 1	0	0
56	25	1	Total Zn 1 1	0	0
56	26	1	Total Zn 1 1	0	0
56	29	1	Total Zn 1 1	0	0
56	2n	1	Total Zn 1 1	0	0

- Molecule 57 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	1d	1	Total Fe S 8 4 4	0	0
57	2d	1	Total Fe S 8 4 4	0	0

- Molecule 58 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	1A	1782	Total O 1782 1782	0	0
58	1B	45	Total O 45 45	0	0
58	1D	15	Total O 15 15	0	0
58	1E	18	Total O 18 18	0	0
58	1F	14	Total O 14 14	0	0
58	1G	2	Total O 2 2	0	0
58	1H	5	Total O 5 5	0	0
58	1N	7	Total O 7 7	0	0
58	1P	12	Total O 12 12	0	0
58	1Q	6	Total O 6 6	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	1R	6	Total O 6 6	0	0
58	1T	5	Total O 5 5	0	0
58	1U	7	Total O 7 7	0	0
58	1V	3	Total O 3 3	0	0
58	1W	1	Total O 1 1	0	0
58	1X	6	Total O 6 6	0	0
58	1Y	5	Total O 5 5	0	0
58	10	6	Total O 6 6	0	0
58	11	2	Total O 2 2	0	0
58	13	2	Total O 2 2	0	0
58	15	2	Total O 2 2	0	0
58	16	2	Total O 2 2	0	0
58	17	2	Total O 2 2	0	0
58	18	9	Total O 9 9	0	0
58	19	2	Total O 2 2	0	0
58	1a	406	Total O 406 406	0	0
58	1d	8	Total O 8 8	0	0
58	1e	4	Total O 4 4	0	0
58	1f	1	Total O 1 1	0	0
58	1h	1	Total O 1 1	0	0
58	1j	1	Total O 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	1l	3	Total O 3 3	0	0
58	1m	3	Total O 3 3	0	0
58	1n	1	Total O 1 1	0	0
58	1o	1	Total O 1 1	0	0
58	1p	1	Total O 1 1	0	0
58	1t	1	Total O 1 1	0	0
58	1z	3	Total O 3 3	0	0
58	2A	1771	Total O 1771 1771	0	0
58	2B	46	Total O 46 46	0	0
58	2D	14	Total O 14 14	0	0
58	2E	20	Total O 20 20	0	0
58	2F	12	Total O 12 12	0	0
58	2G	2	Total O 2 2	0	0
58	2H	4	Total O 4 4	0	0
58	2N	7	Total O 7 7	0	0
58	2P	11	Total O 11 11	0	0
58	2Q	7	Total O 7 7	0	0
58	2R	6	Total O 6 6	0	0
58	2T	5	Total O 5 5	0	0
58	2U	8	Total O 8 8	0	0
58	2V	5	Total O 5 5	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	2W	2	Total O 2 2	0	0
58	2X	7	Total O 7 7	0	0
58	2Y	5	Total O 5 5	0	0
58	20	8	Total O 8 8	0	0
58	21	2	Total O 2 2	0	0
58	23	2	Total O 2 2	0	0
58	25	4	Total O 4 4	0	0
58	26	2	Total O 2 2	0	0
58	27	2	Total O 2 2	0	0
58	28	11	Total O 11 11	0	0
58	29	2	Total O 2 2	0	0
58	2a	404	Total O 404 404	0	0
58	2d	8	Total O 8 8	0	0
58	2e	6	Total O 6 6	0	0
58	2f	1	Total O 1 1	0	0
58	2h	1	Total O 1 1	0	0
58	2j	1	Total O 1 1	0	0
58	2l	3	Total O 3 3	0	0
58	2m	2	Total O 2 2	0	0
58	2n	1	Total O 1 1	0	0
58	2o	3	Total O 3 3	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	2p	1	Total O 1 1	0	0
58	2z	4	Total O 4 4	0	0

MolProbity failed to run properly - this section is therefore empty.

3 Data and refinement statistics (i)

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α, β, γ	209.68Å 449.25Å 621.90Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.76 – 3.20 49.76 – 3.20	Depositor EDS
% Data completeness (in resolution range)	98.6 (49.76-3.20) 98.6 (49.76-3.20)	Depositor EDS
R_{merge}	0.39	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	1.28 (at 3.19Å)	Xtriage
Refinement program	PHENIX 1.8.1_1168	Depositor
R, R_{free}	0.190 , 0.252 0.191 , 0.250	Depositor DCC
R_{free} test set	47082 reflections (5.00%)	wwPDB-VP
Wilson B-factor (Å^2)	75.9	Xtriage
Anisotropy	0.208	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.28 , 56.4	EDS
L-test for twinning[2]	$< \|L\| > = 0.46$, $< L^2 > = 0.29$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.94	EDS
Total number of atoms	294294	wwPDB-VP
Average B, all atoms (Å^2)	57.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.68% of the height of the origin peak. No significant pseudotranslation is detected.*

[1] Intensities estimated from amplitudes.

[2] Theoretical values of $< |L| >$, $< L^2 >$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

4 Model quality

4.1 Standard geometry

MolProbity failed to run properly - this section is therefore empty.

4.2 Too-close contacts

MolProbity failed to run properly - this section is therefore empty.

4.3 Torsion angles

4.3.1 Protein backbone

MolProbity failed to run properly - this section is therefore empty.

4.3.2 Protein sidechains

MolProbity failed to run properly - this section is therefore empty.

4.3.3 RNA

MolProbity failed to run properly - this section is therefore empty.

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

48 non-standard protein/DNA/RNA residues are modelled in this entry.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
1	OMG	1A	2251	1	23,26,27	1.60	5 (21%)	33,38,41	2.11	10 (30%)
1	PSU	1A	1911	1	18,21,22	1.32	3 (16%)	22,30,33	1.72	6 (27%)
32	2MG	1a	1207	32,55	23,26,27	2.22	5 (21%)	32,38,41	2.41	12 (37%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
32	5MC	1a	1404	32	18,22,23	1.01	1 (5%)	26,32,35	1.43	5 (19%)
32	5MC	2a	967	32	18,22,23	0.76	0	26,32,35	1.35	4 (15%)
32	M2G	1a	966	32	24,27,28	1.95	5 (20%)	35,40,43	1.67	7 (20%)
32	4OC	1a	1402	32	20,23,24	2.52	8 (40%)	26,32,35	1.15	2 (7%)
32	MA6	2a	1519	32	23,26,27	1.03	2 (8%)	34,38,41	4.13	13 (38%)
1	5MU	2A	1939	1	19,22,23	1.39	2 (10%)	28,32,35	1.65	4 (14%)
32	5MC	1a	1407	32	18,22,23	1.34	2 (11%)	26,32,35	1.22	4 (15%)
32	PSU	1a	516	32,55	18,21,22	1.28	3 (16%)	22,30,33	1.83	6 (27%)
1	PSU	1A	2605	1	18,21,22	1.92	5 (27%)	22,30,33	1.34	3 (13%)
1	2MU	2A	2552	1,55	19,22,24	6.67	10 (52%)	26,31,36	2.67	9 (34%)
1	PSU	2A	2605	1	18,21,22	1.65	2 (11%)	22,30,33	1.80	3 (13%)
1	4OC	2A	1920	1	19,22,24	2.46	7 (36%)	26,31,35	0.82	0
43	0TD	1l	92	43	7,9,10	2.42	2 (28%)	6,11,13	3.59	4 (66%)
1	5MU	1A	1939	1	19,22,23	1.45	4 (21%)	28,32,35	1.55	4 (14%)
32	7MG	2a	527	32,55	22,26,27	2.53	8 (36%)	29,39,42	1.98	8 (27%)
1	4OC	1A	1920	1	19,22,24	2.41	7 (36%)	26,31,35	1.40	4 (15%)
1	PSU	1A	1917	1	18,21,22	1.11	1 (5%)	22,30,33	1.63	5 (22%)
1	2MU	1A	2552	1,55	19,22,24	6.54	9 (47%)	26,31,36	2.87	10 (38%)
32	5MC	2a	1407	32	18,22,23	1.13	2 (11%)	26,32,35	1.26	2 (7%)
1	OMG	2A	2251	1	23,26,27	1.71	2 (8%)	33,38,41	2.47	13 (39%)
1	5MU	1A	1915	1	19,22,23	1.14	1 (5%)	28,32,35	1.59	6 (21%)
1	5MC	2A	1942	1	18,22,23	1.03	1 (5%)	26,32,35	1.20	3 (11%)
32	UR3	2a	1498	32	19,22,23	2.02	4 (21%)	26,32,35	1.37	4 (15%)
1	2MA	2A	2503	1,55	22,25,26	2.37	7 (31%)	33,37,40	2.45	6 (18%)
1	5MC	1A	1942	1	18,22,23	1.58	4 (22%)	26,32,35	1.23	3 (11%)
32	5MC	2a	1400	32	18,22,23	1.29	2 (11%)	26,32,35	1.53	5 (19%)
32	5MC	2a	1404	32	18,22,23	0.99	1 (5%)	26,32,35	1.38	3 (11%)
32	MA6	2a	1518	32	23,26,27	1.25	4 (17%)	34,38,41	4.03	15 (44%)
32	7MG	1a	527	32,55	22,26,27	2.24	7 (31%)	29,39,42	1.75	8 (27%)
32	5MC	1a	1400	32	18,22,23	1.37	1 (5%)	26,32,35	1.88	6 (23%)
32	5MC	1a	967	32	18,22,23	0.91	0	26,32,35	1.24	4 (15%)
32	PSU	2a	516	32,55	18,21,22	1.68	4 (22%)	22,30,33	2.18	4 (18%)
32	M2G	2a	966	32	24,27,28	1.97	5 (20%)	35,40,43	1.40	7 (20%)
32	UR3	1a	1498	32	19,22,23	2.03	4 (21%)	26,32,35	1.36	2 (7%)
32	4OC	2a	1402	32	20,23,24	2.40	8 (40%)	26,32,35	1.33	2 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
1	5MC	2A	1962	1,55	18,22,23	1.29	3 (16%)	26,32,35	1.26	3 (11%)
1	5MC	1A	1962	1,55	18,22,23	0.94	0	26,32,35	1.69	4 (15%)
32	MA6	1a	1519	32	23,26,27	1.21	3 (13%)	34,38,41	4.65	13 (38%)
1	PSU	2A	1917	1	18,21,22	1.15	1 (5%)	22,30,33	1.63	5 (22%)
32	2MG	2a	1207	32,55	23,26,27	2.11	4 (17%)	32,38,41	2.41	12 (37%)
1	5MU	2A	1915	1	19,22,23	1.49	2 (10%)	28,32,35	1.37	3 (10%)
32	MA6	1a	1518	32	23,26,27	1.23	2 (8%)	34,38,41	4.60	13 (38%)
43	0TD	2l	92	43	7,9,10	2.46	1 (14%)	6,11,13	3.00	3 (50%)
1	PSU	2A	1911	1	18,21,22	1.71	3 (16%)	22,30,33	1.32	3 (13%)
1	2MA	1A	2503	1,55	22,25,26	2.51	7 (31%)	33,37,40	3.07	9 (27%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	OMG	1A	2251	1	-	1/9/27/28	0/3/3/3
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32,55	-	0/9/27/28	0/3/3/3
32	5MC	1a	1404	32	-	2/7/25/26	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
32	4OC	1a	1402	32	-	2/9/29/30	0/2/2/2
32	MA6	2a	1519	32	-	3/11/29/30	0/3/3/3
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
32	PSU	1a	516	32,55	-	0/7/25/26	0/2/2/2
1	PSU	1A	2605	1	-	0/7/25/26	0/2/2/2
1	2MU	2A	2552	1,55	-	0/9/27/28	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
1	4OC	2A	1920	1	-	0/9/27/30	0/2/2/2
43	0TD	1l	92	43	-	5/7/12/14	-
1	5MU	1A	1939	1	-	0/7/25/26	0/2/2/2
32	7MG	2a	527	32,55	-	2/7/37/38	0/3/3/3
1	4OC	1A	1920	1	-	2/9/27/30	0/2/2/2
1	PSU	1A	1917	1	-	3/7/25/26	0/2/2/2
1	2MU	1A	2552	1,55	-	0/9/27/28	0/2/2/2
32	5MC	2a	1407	32	-	1/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	OMG	2A	2251	1	-	1/9/27/28	0/3/3/3
1	5MU	1A	1915	1	-	2/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
32	UR3	2a	1498	32	-	2/7/25/26	0/2/2/2
1	2MA	2A	2503	1,55	-	2/7/25/26	0/3/3/3
1	5MC	1A	1942	1	-	2/7/25/26	0/2/2/2
32	5MC	2a	1400	32	-	2/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	1/11/29/30	0/3/3/3
32	7MG	1a	527	32,55	-	2/7/37/38	0/3/3/3
32	5MC	1a	1400	32	-	2/7/25/26	0/2/2/2
32	5MC	1a	967	32	-	0/7/25/26	0/2/2/2
32	PSU	2a	516	32,55	-	0/7/25/26	0/2/2/2
32	M2G	2a	966	32	-	2/11/29/30	0/3/3/3
32	UR3	1a	1498	32	-	1/7/25/26	0/2/2/2
32	4OC	2a	1402	32	-	0/9/29/30	0/2/2/2
1	5MC	2A	1962	1,55	-	4/7/25/26	0/2/2/2
1	5MC	1A	1962	1,55	-	1/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	2/11/29/30	0/3/3/3
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32,55	-	0/9/27/28	0/3/3/3
1	5MU	2A	1915	1	-	2/7/25/26	0/2/2/2
32	MA6	1a	1518	32	-	3/11/29/30	0/3/3/3
43	0TD	2l	92	43	-	3/7/12/14	-
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
1	2MA	1A	2503	1,55	-	1/7/25/26	0/3/3/3

All (174) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	2552	2MU	C4-N3	-15.00	1.11	1.38
1	2A	2552	2MU	C4-N3	-14.99	1.11	1.38
1	2A	2552	2MU	C5-C4	14.95	1.76	1.43
1	1A	2552	2MU	C5-C4	14.26	1.75	1.43
1	2A	2552	2MU	C6-C5	-10.48	1.10	1.35
1	1A	2552	2MU	C6-C5	-10.24	1.11	1.35
1	1A	2552	2MU	C3'-C2'	-9.39	1.32	1.52
1	2A	2552	2MU	C3'-C2'	-8.34	1.34	1.52
1	2A	2552	2MU	C6-N1	7.83	1.56	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	2552	2MU	C6-N1	7.69	1.56	1.38
1	2A	2503	2MA	C4-N3	7.12	1.43	1.34
1	1A	2503	2MA	C4-N3	6.72	1.42	1.34
1	1A	2552	2MU	O4'-C4'	-6.71	1.30	1.45
1	2A	2552	2MU	O4'-C4'	-6.62	1.30	1.45
1	2A	2552	2MU	O4'-C1'	6.42	1.57	1.42
32	2a	527	7MG	C8-N9	6.23	1.49	1.46
1	2A	2552	2MU	C1'-N1	-6.18	1.29	1.47
1	2A	1920	4OC	C4-N4	5.77	1.47	1.33
32	1a	1402	4OC	C4-N4	5.70	1.47	1.35
32	1a	1207	2MG	C2-N3	5.63	1.42	1.31
1	1A	2552	2MU	O4'-C1'	5.62	1.55	1.42
32	1a	527	7MG	C8-N9	5.59	1.49	1.46
1	1A	2552	2MU	C1'-N1	-5.56	1.31	1.47
43	2l	92	0TD	CB-SB	-5.55	1.76	1.82
43	1l	92	0TD	CB-SB	-5.46	1.76	1.82
32	2a	527	7MG	C5-N7	5.41	1.41	1.35
1	1A	1920	4OC	C4-N4	5.28	1.46	1.33
32	2a	1207	2MG	C2-N3	5.27	1.42	1.31
32	1a	1498	UR3	C6-C5	5.12	1.46	1.35
32	2a	1498	UR3	C6-C5	5.05	1.46	1.35
1	1A	2503	2MA	C2-N1	5.03	1.43	1.34
32	2a	1402	4OC	C4-N4	4.97	1.46	1.35
32	2a	516	PSU	C2-N1	4.94	1.43	1.36
1	2A	2251	OMG	C4-N3	4.93	1.46	1.34
32	1a	527	7MG	C5-N7	4.93	1.41	1.35
1	2A	1920	4OC	C6-C5	4.92	1.46	1.35
32	2a	966	M2G	C2-N3	4.90	1.44	1.32
32	1a	1498	UR3	C2-N1	4.90	1.45	1.38
1	1A	1920	4OC	C2-N3	4.86	1.46	1.36
32	1a	1400	5MC	C2-N1	4.86	1.50	1.40
32	1a	966	M2G	C2-N3	4.85	1.44	1.32
32	1a	966	M2G	C4-N3	4.81	1.45	1.34
1	2A	2605	PSU	C2-N1	4.72	1.43	1.36
32	2a	1207	2MG	C2-N1	4.70	1.44	1.36
32	1a	1207	2MG	C4-N3	4.69	1.45	1.34
1	2A	1915	5MU	C2-N1	4.69	1.46	1.38
32	2a	966	M2G	C4-N3	4.68	1.45	1.34
1	2A	1920	4OC	C2-N3	4.67	1.45	1.36
32	2a	527	7MG	C4-N3	4.66	1.45	1.34
32	1a	1207	2MG	C2-N2	4.64	1.43	1.33
1	1A	2503	2MA	C2-N3	4.63	1.42	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	2a	1498	UR3	C2-N3	4.62	1.47	1.39
32	1a	1207	2MG	C2-N1	4.51	1.43	1.36
1	2A	1939	5MU	C5M-C5	-4.43	1.39	1.50
32	1a	1402	4OC	C6-C5	4.41	1.45	1.35
1	1A	1920	4OC	C6-C5	4.41	1.45	1.35
32	2a	1207	2MG	C4-N3	4.39	1.44	1.34
1	1A	2605	PSU	C2-N1	4.37	1.42	1.36
32	2a	527	7MG	C2-N3	4.34	1.43	1.33
32	2a	1498	UR3	C2-N1	4.29	1.44	1.38
1	2A	1911	PSU	C2-N1	4.27	1.42	1.36
32	1a	1402	4OC	C2-N3	4.26	1.45	1.36
1	2A	2503	2MA	C2-N3	4.24	1.41	1.34
32	1a	966	M2G	C2-N2	4.22	1.43	1.35
32	2a	1207	2MG	C2-N2	4.20	1.42	1.33
1	1A	2251	OMG	C4-N3	4.20	1.44	1.34
32	2a	1402	4OC	C2-N3	4.18	1.44	1.36
1	2A	2251	OMG	C2-N3	4.16	1.43	1.33
32	2a	1402	4OC	C6-C5	4.16	1.44	1.35
32	1a	527	7MG	C4-N3	4.08	1.43	1.34
1	1A	1920	4OC	C2-N1	4.04	1.48	1.40
1	2A	2552	2MU	C3'-C4'	4.03	1.63	1.53
1	2A	2503	2MA	C2-N1	4.00	1.41	1.34
32	2a	966	M2G	C2-N2	3.98	1.42	1.35
1	1A	1942	5MC	C2-N1	-3.92	1.31	1.40
32	2a	1400	5MC	C2-N1	3.85	1.48	1.40
1	1A	1939	5MU	C4-C5	-3.85	1.38	1.44
1	1A	1915	5MU	C2-N1	3.82	1.44	1.38
32	2a	1402	4OC	O2-C2	-3.80	1.16	1.23
32	1a	1402	4OC	C2-N1	3.79	1.48	1.40
1	1A	2251	OMG	C2-N3	3.78	1.42	1.33
32	2a	1402	4OC	C4-N3	3.77	1.39	1.32
1	1A	1911	PSU	C2-N1	3.68	1.41	1.36
1	2A	1911	PSU	C6-N1	3.68	1.42	1.36
32	1a	1407	5MC	C2-N1	3.66	1.47	1.40
32	1a	527	7MG	C2-N3	3.66	1.42	1.33
32	1a	1498	UR3	C2-N3	3.54	1.45	1.39
32	1a	1402	4OC	C4-N3	3.49	1.38	1.32
32	1a	1402	4OC	C5-C4	3.47	1.48	1.40
1	1A	2552	2MU	C3'-C4'	3.47	1.61	1.53
32	1a	1518	MA6	C5-C4	-3.44	1.32	1.39
1	2A	1911	PSU	C4-N3	3.40	1.45	1.38
1	1A	2605	PSU	C6-N1	3.40	1.41	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	2503	2MA	C4-N9	-3.39	1.30	1.37
32	2a	1518	MA6	C6-N6	3.37	1.46	1.36
1	2A	1917	PSU	C2-N1	3.23	1.41	1.36
32	1a	1518	MA6	C5-C6	-3.21	1.33	1.41
1	2A	1962	5MC	C4-N4	3.20	1.42	1.34
32	2a	1402	4OC	C5-C4	3.16	1.47	1.40
1	2A	1915	5MU	C2-N3	3.08	1.43	1.38
1	1A	2503	2MA	C6-N1	3.01	1.39	1.35
32	1a	516	PSU	C6-N1	2.99	1.41	1.36
1	1A	1917	PSU	C2-N1	2.99	1.40	1.36
1	2A	2605	PSU	C6-N1	2.98	1.41	1.36
32	1a	1402	4OC	O2-C2	-2.95	1.18	1.23
1	2A	1920	4OC	O2-C2	-2.93	1.18	1.23
1	2A	2503	2MA	C4-N9	-2.93	1.31	1.37
32	2a	966	M2G	C2-N1	2.92	1.44	1.36
32	2a	527	7MG	C2-N2	2.86	1.41	1.34
32	2a	1407	5MC	C2-N1	2.85	1.46	1.40
32	2a	516	PSU	C6-N1	2.85	1.41	1.36
32	1a	527	7MG	C5-C6	2.84	1.50	1.43
32	2a	527	7MG	C5-C6	2.84	1.50	1.43
32	2a	516	PSU	O4'-C1'	-2.83	1.39	1.43
32	1a	1519	MA6	C5-C6	-2.82	1.34	1.41
1	2A	1920	4OC	C5-C4	2.81	1.49	1.42
1	1A	1920	4OC	C4-N3	2.77	1.40	1.34
1	2A	1962	5MC	C2-N3	2.76	1.41	1.36
1	2A	1942	5MC	CM5-C5	-2.73	1.43	1.50
1	1A	2605	PSU	O4'-C1'	-2.72	1.40	1.43
1	1A	2503	2MA	C5-C4	-2.71	1.33	1.39
32	2a	1402	4OC	CM4-N4	-2.69	1.40	1.45
32	1a	516	PSU	C2-N1	2.68	1.40	1.36
1	1A	1939	5MU	C5M-C5	-2.67	1.44	1.50
1	1A	2605	PSU	O4-C4	-2.67	1.18	1.23
1	2A	1920	4OC	C4-N3	2.66	1.39	1.34
1	1A	1939	5MU	C2-N1	-2.66	1.34	1.38
1	1A	1920	4OC	O2-C2	-2.64	1.18	1.23
32	1a	966	M2G	C5-N7	-2.62	1.34	1.39
32	2a	1519	MA6	C6-N6	2.56	1.44	1.36
1	1A	2251	OMG	C8-N7	2.55	1.39	1.32
1	2A	1920	4OC	C2-N1	2.54	1.45	1.40
1	1A	1942	5MC	C4-N3	-2.53	1.30	1.34
1	2A	1939	5MU	C2-N3	2.53	1.42	1.38
32	2a	1404	5MC	CM5-C5	-2.53	1.44	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	2a	527	7MG	C2-N1	2.52	1.43	1.37
32	2a	1402	4OC	C2-N1	2.51	1.45	1.40
1	2A	2503	2MA	C8-N7	2.48	1.36	1.31
32	1a	1402	4OC	CM4-N4	-2.46	1.41	1.45
1	2A	2552	2MU	O2'-C2'	2.45	1.48	1.42
32	1a	516	PSU	O4'-C1'	-2.40	1.40	1.43
32	2a	1518	MA6	C5-C4	-2.38	1.34	1.39
32	1a	966	M2G	C2-N1	2.37	1.42	1.36
1	2A	2503	2MA	C5-C6	2.32	1.47	1.41
1	1A	1911	PSU	C4-C5	2.32	1.50	1.44
1	1A	2251	OMG	O6-C6	-2.31	1.19	1.23
1	2A	1962	5MC	CM5-C5	-2.30	1.45	1.50
32	1a	1519	MA6	C5-N7	-2.29	1.34	1.39
32	2a	1407	5MC	C6-C5	2.28	1.38	1.34
32	2a	966	M2G	C5-C6	2.27	1.52	1.44
32	2a	527	7MG	C4-N9	2.26	1.40	1.37
32	2a	1519	MA6	C5-C6	-2.24	1.35	1.41
32	1a	527	7MG	C2-N2	2.20	1.39	1.34
32	1a	1404	5MC	CM5-C5	-2.19	1.45	1.50
1	2A	2503	2MA	C6-N6	-2.19	1.28	1.34
1	1A	2503	2MA	C8-N7	2.19	1.35	1.31
1	1A	1920	4OC	C5-C4	2.18	1.47	1.42
32	1a	1407	5MC	C6-C5	2.17	1.38	1.34
32	2a	516	PSU	C1'-C5	-2.16	1.45	1.50
1	1A	1911	PSU	C4-N3	2.16	1.42	1.38
32	1a	1498	UR3	C3U-N3	-2.16	1.43	1.47
43	1l	92	0TD	CA-N	-2.11	1.41	1.47
1	1A	2251	OMG	C2-N2	2.11	1.39	1.34
32	1a	1207	2MG	C5-N7	-2.09	1.35	1.39
32	1a	527	7MG	C2-N1	2.08	1.42	1.37
1	1A	1942	5MC	CM5-C5	-2.06	1.45	1.50
1	1A	2605	PSU	O2-C2	2.06	1.27	1.23
32	2a	1498	UR3	C3U-N3	-2.05	1.43	1.47
32	1a	1519	MA6	C6-N6	2.05	1.42	1.36
32	2a	1518	MA6	C5-C6	-2.04	1.36	1.41
1	1A	1939	5MU	C2-N3	2.04	1.41	1.38
32	2a	1518	MA6	C2-N1	2.03	1.37	1.33
1	1A	1942	5MC	C6-N1	-2.02	1.34	1.38
32	2a	1400	5MC	CM5-C5	-2.01	1.45	1.50

All (284) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
32	1a	1518	MA6	N1-C6-N6	-20.10	95.10	117.08
32	1a	1519	MA6	N1-C6-N6	-19.44	95.83	117.08
32	2a	1519	MA6	N1-C6-N6	-17.16	98.32	117.08
32	2a	1518	MA6	N1-C6-N6	-16.09	99.49	117.08
32	1a	1519	MA6	C5-C6-N6	12.19	146.53	125.30
32	2a	1518	MA6	C5-C6-N6	10.26	143.18	125.30
1	1A	2503	2MA	C1'-N9-C8	-10.21	104.09	127.14
32	1a	1518	MA6	C5-C6-N6	10.21	143.08	125.30
32	2a	1519	MA6	C5-C6-N6	10.18	143.03	125.30
1	2A	2503	2MA	C1'-N9-C8	-9.21	106.35	127.14
32	2a	516	PSU	C6-C5-C4	7.96	123.77	118.20
1	2A	2552	2MU	C5-C4-N3	7.25	125.69	114.84
1	1A	2503	2MA	C4-N9-C1'	7.11	143.53	126.59
1	2A	2503	2MA	C4-N9-C1'	7.03	143.34	126.59
32	1a	1519	MA6	C4-C5-C6	7.02	123.74	115.88
1	1A	2552	2MU	C5-C4-N3	6.93	125.21	114.84
32	1a	1207	2MG	C2-N3-C4	6.79	120.46	112.04
1	2A	2251	OMG	C1'-N9-C8	-6.57	108.00	126.70
1	1A	2503	2MA	N9-C8-N7	-6.51	105.01	113.91
1	1A	2552	2MU	C4-N3-C2	-6.41	118.12	126.58
32	2a	1207	2MG	C2-N3-C4	6.36	119.93	112.04
32	2a	1519	MA6	C4-C5-C6	6.21	122.83	115.88
1	2A	2552	2MU	C4-N3-C2	-6.17	118.44	126.58
32	1a	1518	MA6	N1-C2-N3	-6.11	119.04	128.60
1	1A	2503	2MA	C4-N9-C8	6.05	112.29	105.73
32	2a	1519	MA6	C5-C4-N3	-6.04	118.87	126.75
1	2A	2605	PSU	C6-C5-C4	5.98	122.38	118.20
32	1a	1519	MA6	C5-C4-N3	-5.87	119.09	126.75
32	2a	1518	MA6	C4-C5-C6	5.85	122.43	115.88
1	2A	1939	5MU	C6-C5-C4	5.83	122.91	118.03
1	1A	2552	2MU	N3-C2-N1	5.81	122.61	114.89
32	1a	1518	MA6	C4-N9-C1'	-5.65	113.13	126.59
32	1a	966	M2G	C5-C4-N3	-5.55	119.45	128.46
32	1a	1207	2MG	C5-C4-N3	-5.41	119.68	128.46
1	1A	2503	2MA	N6-C6-N1	5.27	124.48	117.03
32	2a	527	7MG	C5-C6-N1	5.13	120.03	110.99
43	1l	92	0TD	CSB-SB-CB	5.06	111.59	102.44
43	1l	92	0TD	CB-CA-N	-5.04	98.36	109.10
32	2a	1518	MA6	N1-C2-N3	-4.97	120.83	128.60
1	1A	2251	OMG	C5-C4-N3	-4.96	120.42	128.46
1	1A	2552	2MU	O4-C4-C5	-4.93	116.48	125.16
32	1a	1518	MA6	C5-C4-N3	-4.85	120.42	126.75
32	2a	1207	2MG	C5-C4-N3	-4.84	120.60	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
32	1a	1518	MA6	C1'-N9-C8	4.82	138.03	127.14
1	1A	2552	2MU	O2-C2-N1	-4.79	116.42	122.79
32	2a	1518	MA6	C5-C4-N3	-4.70	120.61	126.75
1	1A	1962	5MC	C5-C6-N1	-4.69	118.51	123.34
32	1a	516	PSU	C6-C5-C4	4.68	121.47	118.20
32	2a	1519	MA6	N3-C4-N9	4.61	134.68	127.08
1	1A	1962	5MC	C5-C4-N3	4.59	126.63	121.67
1	1A	2251	OMG	C2-N3-C4	4.58	120.46	112.30
32	2a	1207	2MG	C1'-N9-C4	-4.56	112.95	126.50
32	1a	1400	5MC	C5-C4-N3	4.55	126.59	121.67
1	2A	2251	OMG	C1'-N9-C4	4.55	140.01	126.50
1	2A	2552	2MU	O2-C2-N1	-4.53	116.77	122.79
43	2l	92	0TD	CSB-SB-CB	4.53	110.63	102.44
1	1A	2251	OMG	C1'-N9-C8	-4.51	113.84	126.70
1	1A	1939	5MU	C6-C5-C4	4.49	121.78	118.03
32	1a	1519	MA6	N1-C2-N3	-4.47	121.60	128.60
32	2a	966	M2G	C5-C4-N3	-4.44	121.25	128.46
1	1A	1917	PSU	C6-C5-C4	4.44	121.30	118.20
32	1a	1400	5MC	C5-C6-N1	-4.36	118.85	123.34
1	2A	2503	2MA	N9-C8-N7	-4.34	107.98	113.91
1	1A	1911	PSU	C6-C5-C4	4.33	121.23	118.20
1	2A	2552	2MU	N3-C2-N1	4.33	120.64	114.89
32	1a	1518	MA6	N9-C8-N7	-4.31	108.02	113.91
32	2a	1207	2MG	C1'-N9-C8	4.30	138.95	126.70
1	2A	2251	OMG	C5-C4-N3	-4.25	121.56	128.46
1	2A	2503	2MA	C4-N9-C8	4.23	110.31	105.73
32	2a	1400	5MC	C5-C6-N1	-4.21	119.00	123.34
32	2a	527	7MG	C2-N3-C4	4.15	119.69	112.30
1	2A	2251	OMG	O6-C6-C5	-4.12	115.66	126.60
32	2a	1518	MA6	N9-C8-N7	-4.12	108.28	113.91
32	2a	1400	5MC	C5-C4-N3	4.12	126.11	121.67
32	2a	1519	MA6	N1-C2-N3	-4.09	122.21	128.60
43	1l	92	0TD	OD2-CG-CB	4.08	121.97	113.15
1	2A	2251	OMG	N9-C8-N7	-4.07	105.73	113.39
32	1a	1404	5MC	C5-C6-N1	-4.01	119.21	123.34
32	1a	1498	UR3	C4-N3-C2	-3.96	120.84	124.56
1	1A	1939	5MU	C4-N3-C2	-3.96	122.23	127.35
1	1A	1942	5MC	C5-C6-N1	-3.96	119.27	123.34
1	2A	1911	PSU	C6-C5-C4	3.89	120.92	118.20
32	1a	527	7MG	C5-C6-N1	3.89	117.84	110.99
1	2A	1939	5MU	C4-N3-C2	-3.86	122.35	127.35
32	2a	1518	MA6	C2-N1-C6	3.85	120.86	111.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
32	2a	1404	5MC	C5-C6-N1	-3.85	119.37	123.34
1	1A	2605	PSU	C6-C5-C4	3.84	120.88	118.20
1	1A	2251	OMG	C1'-N9-C4	3.84	137.90	126.50
32	2a	1518	MA6	C4-N9-C1'	-3.83	117.46	126.59
32	1a	1519	MA6	C2-N1-C6	3.83	120.80	111.75
32	2a	967	5MC	C5-C4-N3	3.83	125.80	121.67
32	1a	1519	MA6	N3-C4-N9	3.80	133.34	127.08
32	1a	1207	2MG	C1'-N9-C4	-3.79	115.25	126.50
1	2A	2251	OMG	N9-C4-N3	3.76	133.48	125.94
43	2l	92	0TD	OD2-CG-CB	3.75	121.26	113.15
1	2A	1915	5MU	C6-C5-C4	3.75	121.17	118.03
32	2a	527	7MG	C5-C4-N3	-3.69	121.09	128.13
1	1A	2503	2MA	C5-C6-N6	-3.69	115.40	123.43
1	2A	1917	PSU	C6-C5-C4	3.68	120.77	118.20
32	1a	527	7MG	C2-N3-C4	3.68	118.85	112.30
32	2a	1519	MA6	C6-C5-N7	-3.61	127.22	133.28
32	1a	527	7MG	C5-C4-N9	3.60	111.03	106.35
32	2a	1207	2MG	C2-N1-C6	-3.60	120.34	124.48
32	2a	1498	UR3	C1'-N1-C2	3.58	123.03	116.99
32	1a	966	M2G	N9-C4-N3	3.58	133.13	125.94
1	1A	1962	5MC	C4-N3-C2	-3.57	115.86	120.69
1	2A	2552	2MU	O4-C4-C5	-3.56	118.90	125.16
32	2a	967	5MC	C5-C6-N1	-3.56	119.68	123.34
1	1A	1915	5MU	C6-C5-C4	3.56	121.01	118.03
1	1A	1920	4OC	C1'-N1-C2	3.54	126.33	118.42
32	1a	516	PSU	C6-N1-C2	-3.52	119.08	122.68
32	1a	1518	MA6	N3-C4-N9	3.52	132.89	127.08
32	2a	1518	MA6	N3-C4-N9	3.51	132.87	127.08
1	2A	2251	OMG	C2-N1-C6	-3.50	118.72	125.10
32	1a	527	7MG	C5-C4-N3	-3.49	121.47	128.13
32	1a	1519	MA6	N9-C8-N7	-3.48	109.16	113.91
32	1a	1518	MA6	C2-N3-C4	3.47	119.95	111.75
32	1a	516	PSU	N1-C2-N3	3.46	119.05	115.13
1	2A	2251	OMG	C2-N3-C4	3.43	118.41	112.30
32	2a	1402	4OC	CM2-O2'-C2'	3.42	123.51	114.52
1	2A	1962	5MC	C5-C6-N1	-3.39	119.85	123.34
32	1a	967	5MC	C5-C4-N3	3.38	125.32	121.67
32	1a	1207	2MG	C1'-N9-C8	3.37	136.30	126.70
32	1a	1404	5MC	C5-C4-N3	3.37	125.31	121.67
32	1a	1518	MA6	C2-N1-C6	3.37	119.70	111.75
32	2a	1404	5MC	C5-C4-N3	3.36	125.30	121.67
1	1A	2503	2MA	CM2-C2-N1	3.36	122.40	117.15

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	1942	5MC	C5-C6-N1	-3.36	119.88	123.34
32	2a	1407	5MC	C5-C4-N3	3.34	125.28	121.67
32	1a	967	5MC	C5-C6-N1	-3.31	119.93	123.34
43	2l	92	0TD	CB-CA-N	-3.31	102.05	109.10
32	1a	1207	2MG	N9-C4-N3	3.29	132.56	125.94
32	1a	1207	2MG	C2-N1-C6	-3.28	120.70	124.48
32	1a	1519	MA6	C4-N9-C1'	-3.24	118.88	126.59
32	1a	966	M2G	C2-N3-C4	3.23	118.49	112.51
32	2a	1519	MA6	C2-N1-C6	3.21	119.33	111.75
32	1a	1519	MA6	C6-C5-N7	-3.21	127.90	133.28
1	2A	1917	PSU	O2-C2-N1	-3.17	119.30	122.79
32	1a	1400	5MC	CM5-C5-C6	-3.16	118.63	122.85
32	1a	1207	2MG	N9-C8-N7	-3.15	107.45	113.39
1	1A	1920	4OC	C1'-N1-C6	-3.15	113.97	120.84
1	2A	1915	5MU	C4-N3-C2	-3.14	123.29	127.35
1	2A	1962	5MC	C4-N3-C2	-3.13	116.45	120.69
32	1a	966	M2G	O6-C6-C5	-3.11	118.34	126.60
1	2A	2552	2MU	C6-C5-C4	-3.10	115.28	119.52
1	1A	2251	OMG	C5-C6-N1	3.06	120.95	113.19
32	2a	527	7MG	C5-C4-N9	3.05	110.31	106.35
1	2A	2251	OMG	C8-N9-C4	3.05	111.85	106.05
32	1a	1400	5MC	N4-C4-N3	-3.05	112.92	118.48
32	1a	1407	5MC	C5-C6-N1	-3.03	120.22	123.34
1	2A	1939	5MU	C5-C6-N1	-3.03	120.22	123.34
32	2a	1518	MA6	C6-C5-N7	-3.02	128.22	133.28
32	1a	1519	MA6	C5-N7-C8	3.02	107.80	103.51
32	2a	1404	5MC	C4-N3-C2	-3.01	116.62	120.69
32	2a	1519	MA6	C4-N9-C1'	-3.01	119.43	126.59
1	1A	1939	5MU	O4-C4-C5	-3.00	121.42	124.90
32	1a	1519	MA6	C1'-N9-C8	3.00	133.91	127.14
1	1A	2251	OMG	C2-N1-C6	-2.98	119.66	125.10
1	1A	1911	PSU	N1-C2-N3	2.96	118.49	115.13
1	2A	2251	OMG	C5-C6-N1	2.96	120.70	113.19
32	2a	1207	2MG	N9-C8-N7	-2.95	107.84	113.39
32	2a	1519	MA6	N9-C8-N7	-2.95	109.88	113.91
32	1a	1400	5MC	C4-N3-C2	-2.93	116.72	120.69
32	1a	1404	5MC	C4-N3-C2	-2.92	116.74	120.69
32	1a	1400	5MC	C1'-N1-C6	-2.91	116.28	121.12
32	2a	1518	MA6	C1'-N9-C8	2.91	133.70	127.14
32	2a	527	7MG	C4-C5-N7	2.90	109.56	105.53
1	1A	1911	PSU	O2-C2-N1	-2.87	119.63	122.79
32	1a	1498	UR3	C1'-N1-C2	2.87	121.84	116.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
32	2a	527	7MG	O6-C6-C5	-2.87	120.51	127.54
32	1a	1207	2MG	N1-C2-N3	-2.86	119.52	123.95
32	1a	1518	MA6	C4-C5-C6	2.86	119.08	115.88
32	2a	1498	UR3	C4-N3-C2	-2.85	121.88	124.56
32	2a	1518	MA6	C4-N9-C8	2.84	108.80	105.73
1	1A	2552	2MU	C6-C5-C4	-2.82	115.67	119.52
32	1a	1518	MA6	C4-N9-C8	2.81	108.78	105.73
32	1a	1402	4OC	O2-C2-N3	-2.81	117.76	122.33
32	2a	516	PSU	O4'-C1'-C2'	2.80	109.10	105.14
1	2A	2605	PSU	C6-N1-C2	-2.80	119.82	122.68
32	2a	967	5MC	C4-N3-C2	-2.80	116.91	120.69
32	1a	1407	5MC	C5-C4-N3	2.78	124.68	121.67
1	1A	1915	5MU	C4-N3-C2	-2.77	123.77	127.35
1	2A	1942	5MC	C5-C4-N3	2.76	124.65	121.67
1	1A	1911	PSU	O4-C4-N3	-2.75	114.84	120.12
32	1a	967	5MC	C4-N3-C2	-2.74	116.98	120.69
1	2A	1917	PSU	O4-C4-N3	-2.73	114.88	120.12
1	1A	2251	OMG	N9-C8-N7	-2.73	108.24	113.39
32	1a	527	7MG	C4-C5-N7	2.71	109.30	105.53
32	2a	1519	MA6	C2-N3-C4	2.71	118.15	111.75
32	1a	1207	2MG	O3'-C3'-C2'	2.70	120.57	111.82
32	2a	516	PSU	N1-C2-N3	2.68	118.17	115.13
32	2a	1518	MA6	C2-N3-C4	2.68	118.08	111.75
32	1a	516	PSU	O4-C4-N3	-2.68	114.98	120.12
32	2a	1519	MA6	C1'-N9-C8	2.67	133.16	127.14
32	1a	966	M2G	C5-C6-N1	2.67	119.97	113.19
32	2a	527	7MG	C2-N1-C6	-2.67	120.24	125.10
1	2A	2605	PSU	N1-C2-N3	2.66	118.15	115.13
32	2a	1400	5MC	C4-N3-C2	-2.66	117.09	120.69
1	2A	2552	2MU	O4-C4-N3	-2.66	115.41	119.31
1	2A	2552	2MU	C4'-O4'-C1'	-2.66	103.61	109.47
32	2a	516	PSU	C6-N1-C2	-2.64	119.98	122.68
1	1A	2605	PSU	O4-C4-N3	-2.62	115.10	120.12
1	1A	1917	PSU	O2-C2-N1	-2.61	119.92	122.79
32	2a	1400	5MC	N4-C4-N3	-2.60	113.73	118.48
32	2a	1498	UR3	C3U-N3-C2	2.60	121.87	117.31
1	1A	1917	PSU	O4-C4-N3	-2.56	115.20	120.12
1	2A	1917	PSU	N1-C2-N3	2.56	118.03	115.13
1	1A	2251	OMG	N9-C4-N3	2.55	131.06	125.94
32	2a	966	M2G	N9-C4-N3	2.54	131.04	125.94
32	1a	1207	2MG	C8-N7-C5	2.54	108.83	104.24
32	2a	966	M2G	C2-N3-C4	2.53	117.19	112.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1A	1911	PSU	O4-C4-C5	2.49	130.57	124.05
32	2a	1518	MA6	C5-N7-C8	2.49	107.05	103.51
32	2a	1402	4OC	C6-C5-C4	2.49	120.01	116.96
1	2A	1917	PSU	C4-N3-C2	-2.49	122.75	126.34
32	1a	1404	5MC	CM5-C5-C6	-2.49	119.53	122.85
1	1A	2552	2MU	C6-N1-C2	-2.49	117.81	120.99
1	1A	2552	2MU	C1'-N1-C2	2.47	122.04	117.57
1	1A	2251	OMG	O6-C6-C5	-2.45	120.10	126.60
32	2a	1207	2MG	N9-C4-N3	2.44	130.84	125.94
32	1a	516	PSU	O4'-C1'-C2'	2.44	108.58	105.14
1	2A	1939	5MU	C5M-C5-C6	-2.42	119.62	122.85
1	1A	1920	4OC	O2-C2-N3	-2.41	118.41	122.33
32	1a	1207	2MG	C5-C6-N1	2.41	119.30	113.19
1	1A	2503	2MA	C5-N7-C8	2.39	106.91	103.51
1	2A	1942	5MC	C4-N3-C2	-2.37	117.48	120.69
1	1A	2552	2MU	C4'-O4'-C1'	-2.37	104.23	109.47
32	1a	966	M2G	CM2-N2-CM1	2.37	123.11	115.77
1	2A	2251	OMG	CM2-O2'-C2'	-2.37	108.31	114.52
1	1A	1915	5MU	O4-C4-N3	-2.37	115.58	120.12
32	1a	1519	MA6	C2-N3-C4	2.36	117.34	111.75
32	2a	966	M2G	N9-C8-N7	-2.36	108.95	113.39
32	1a	1404	5MC	N4-C4-N3	-2.35	114.19	118.48
32	2a	1498	UR3	C6-N1-C2	-2.35	119.69	121.79
32	2a	1207	2MG	C5-C6-N1	2.34	119.14	113.19
1	1A	1915	5MU	C1'-N1-C2	2.33	121.79	117.57
1	2A	1915	5MU	C1'-N1-C2	2.33	121.79	117.57
1	1A	2251	OMG	N2-C2-N1	2.32	121.65	116.71
32	2a	1207	2MG	N1-C2-N3	-2.32	120.37	123.95
1	1A	1920	4OC	CM2-O2'-C2'	2.30	120.57	114.52
32	2a	1407	5MC	C4-N3-C2	-2.29	117.59	120.69
32	1a	966	M2G	N9-C8-N7	-2.27	109.11	113.39
32	2a	1207	2MG	C8-N7-C5	2.27	108.34	104.24
32	2a	1207	2MG	CM2-N2-C2	-2.26	118.86	123.86
1	1A	1942	5MC	C4-N3-C2	-2.26	117.63	120.69
43	1l	92	0TD	OD1-CG-CB	-2.25	117.73	122.44
1	2A	2503	2MA	CM2-C2-N3	2.25	120.66	117.15
1	1A	2552	2MU	C3'-C2'-C1'	2.25	107.11	102.89
1	1A	1942	5MC	CM5-C5-C6	-2.24	119.85	122.85
32	2a	966	M2G	CM2-N2-CM1	2.24	122.70	115.77
32	2a	967	5MC	N4-C4-N3	-2.23	114.41	118.48
1	2A	2503	2MA	N6-C6-N1	2.21	120.16	117.03
1	2A	2552	2MU	O5'-C5'-C4'	-2.21	101.47	108.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
32	2a	966	M2G	C5-C6-N1	2.21	118.80	113.19
32	2a	1518	MA6	C9-N6-C6	2.20	126.10	120.40
1	1A	1915	5MU	O4-C4-C5	2.18	127.42	124.90
1	1A	1911	PSU	C4-N3-C2	-2.17	123.21	126.34
32	2a	966	M2G	O6-C6-C5	-2.16	120.88	126.60
32	2a	1207	2MG	C4-C5-N7	-2.15	107.31	110.72
1	2A	1962	5MC	CM5-C5-C6	-2.15	119.98	122.85
32	1a	527	7MG	N2-C2-N1	2.14	121.26	116.71
32	1a	1402	4OC	C6-C5-C4	2.13	119.57	116.96
1	1A	1962	5MC	C5-C4-N4	-2.13	118.29	121.48
32	1a	1407	5MC	C4-N3-C2	-2.12	117.82	120.69
32	1a	516	PSU	O4-C4-C5	2.12	129.60	124.05
1	1A	2605	PSU	O2'-C2'-C3'	-2.11	105.01	111.82
1	1A	1917	PSU	O4-C4-C5	2.10	129.56	124.05
1	1A	1915	5MU	C5M-C5-C6	-2.10	120.05	122.85
32	2a	527	7MG	N9-C4-N3	2.09	128.59	125.47
32	1a	1407	5MC	N4-C4-N3	-2.09	114.67	118.48
1	1A	1939	5MU	C5-C6-N1	-2.07	121.21	123.34
32	2a	1519	MA6	C5-N7-C8	2.06	106.43	103.51
1	2A	1911	PSU	O4-C4-N3	-2.05	116.18	120.12
1	2A	2251	OMG	O2'-C2'-C1'	-2.05	105.08	109.08
1	2A	1911	PSU	O4'-C1'-C2'	2.05	108.04	105.14
32	2a	1400	5MC	CM5-C5-C6	-2.04	120.12	122.85
32	1a	967	5MC	N4-C4-N3	-2.03	114.77	118.48
1	1A	2503	2MA	N3-C2-N1	-2.02	122.01	125.72
1	2A	2251	OMG	C8-N7-C5	2.02	107.89	104.24
1	1A	1917	PSU	N1-C2-N3	2.01	117.41	115.13
32	1a	1518	MA6	C10-N6-C6	-2.01	115.18	120.40
32	1a	527	7MG	O6-C6-C5	-2.01	122.60	127.54
32	1a	527	7MG	N9-C8-N7	2.01	106.25	103.38
32	1a	1207	2MG	C4-C5-N7	-2.01	107.55	110.72

There are no chirality outliers.

All (56) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	1A	1915	5MU	O4'-C1'-N1-C2
1	1A	1915	5MU	O4'-C1'-N1-C6
1	1A	1917	PSU	C2'-C1'-C5-C4
1	1A	1917	PSU	O4'-C4'-C5'-O5'
43	1l	92	0TD	CA-CB-SB-CSB
43	1l	92	0TD	SB-CB-CG-OD2

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Mol	Chain	Res	Type	Atoms
1	2A	1915	5MU	O4'-C1'-N1-C2
1	2A	1915	5MU	O4'-C1'-N1-C6
1	2A	2251	OMG	C1'-C2'-O2'-CM2
32	2a	527	7MG	C3'-C4'-C5'-O5'
43	2l	92	0TD	CA-CB-SB-CSB
1	1A	1917	PSU	C3'-C4'-C5'-O5'
1	1A	1942	5MC	O4'-C4'-C5'-O5'
32	1a	1400	5MC	O4'-C4'-C5'-O5'
32	1a	1402	4OC	O4'-C4'-C5'-O5'
32	1a	1400	5MC	C3'-C4'-C5'-O5'
32	2a	527	7MG	O4'-C4'-C5'-O5'
32	2a	1400	5MC	O4'-C4'-C5'-O5'
32	2a	1519	MA6	O4'-C4'-C5'-O5'
32	2a	1519	MA6	C3'-C4'-C5'-O5'
1	1A	1942	5MC	C3'-C4'-C5'-O5'
32	1a	1402	4OC	C3'-C4'-C5'-O5'
32	1a	1518	MA6	O4'-C4'-C5'-O5'
32	1a	1518	MA6	C3'-C4'-C5'-O5'
32	2a	1400	5MC	C3'-C4'-C5'-O5'
32	1a	1404	5MC	O4'-C4'-C5'-O5'
32	1a	1518	MA6	C5-C6-N6-C9
32	2a	1518	MA6	C5-C6-N6-C9
32	1a	1404	5MC	C3'-C4'-C5'-O5'
1	2A	1962	5MC	C2'-C1'-N1-C6
1	2A	2503	2MA	O4'-C4'-C5'-O5'
43	1l	92	0TD	SB-CB-CG-OD1
43	1l	92	0TD	CA-CB-CG-OD1
1	1A	2251	OMG	C4'-C5'-O5'-P
32	1a	1519	MA6	O4'-C4'-C5'-O5'
32	2a	1498	UR3	O4'-C4'-C5'-O5'
32	1a	1498	UR3	O4'-C4'-C5'-O5'
1	1A	1920	4OC	C2'-C1'-N1-C6
32	2a	1519	MA6	C4'-C5'-O5'-P
1	2A	1962	5MC	O4'-C1'-N1-C6
1	1A	1962	5MC	O4'-C4'-C5'-O5'
1	1A	1920	4OC	C2'-C1'-N1-C2
32	1a	527	7MG	C4'-C5'-O5'-P
1	1A	2503	2MA	O4'-C4'-C5'-O5'
32	1a	1519	MA6	C3'-C4'-C5'-O5'
32	2a	966	M2G	O4'-C4'-C5'-O5'
43	1l	92	0TD	CG-CB-SB-CSB
43	2l	92	0TD	CG-CB-SB-CSB

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Mol	Chain	Res	Type	Atoms
1	2A	1962	5MC	C2'-C1'-N1-C2
32	2a	1407	5MC	C2'-C1'-N1-C2
1	2A	1962	5MC	O4'-C1'-N1-C2
32	1a	527	7MG	C3'-C4'-C5'-O5'
1	2A	2503	2MA	C3'-C4'-C5'-O5'
32	2a	1498	UR3	C3'-C4'-C5'-O5'
43	2l	92	0TD	SB-CB-CG-OD1
32	2a	966	M2G	C3'-C4'-C5'-O5'

There are no ring outliers.

No monomer is involved in short contacts.

4.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

4.6 Ligand geometry (i)

Of 2708 ligands modelled in this entry, 2706 are monoatomic - leaving 2 for Mogul analysis.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
57	SF4	2d	501	35	0,12,12	-	-	-		
57	SF4	1d	302	35	0,12,12	-	-	-		

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
57	SF4	2d	501	35	-	-	0/6/5/5
57	SF4	1d	302	35	-	-	0/6/5/5

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

4.7 Other polymers (i)

There are no such residues in this entry.

4.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

5 Fit of model and data

5.1 Protein, DNA and RNA chains

In the following table, the column labelled '#RSRZ> 2' contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled 'Q< 0.9' lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
1	1A	2861/2901 (98%)	-0.92	37 (1%) 75 55	9, 28, 117, 139	0
1	2A	2861/2901 (98%)	-0.74	32 (1%) 78 61	23, 45, 119, 140	0
2	1B	120/120 (100%)	-0.94	0 100 100	20, 48, 70, 100	0
2	2B	120/120 (100%)	-0.44	0 100 100	47, 69, 82, 106	0
3	1D	275/275 (100%)	-0.66	2 (0%) 84 69	12, 26, 43, 74	0
3	2D	275/275 (100%)	-0.47	1 (0%) 88 79	21, 38, 51, 72	0
4	1E	204/204 (100%)	-0.66	1 (0%) 87 76	10, 29, 55, 71	0
4	2E	204/204 (100%)	-0.51	0 100 100	22, 44, 63, 82	0
5	1F	203/203 (100%)	-0.62	0 100 100	8, 31, 65, 93	0
5	2F	203/203 (100%)	-0.43	0 100 100	23, 52, 77, 96	0
6	1G	181/181 (100%)	-0.22	0 100 100	43, 68, 90, 101	0
6	2G	181/181 (100%)	0.19	1 (0%) 85 73	66, 84, 98, 106	0
7	1H	174/174 (100%)	-0.55	0 100 100	26, 43, 62, 76	0
7	2H	174/174 (100%)	-0.03	0 100 100	52, 72, 82, 93	0
8	1I	147/147 (100%)	-0.20	0 100 100	37, 73, 88, 93	0
8	2I	147/147 (100%)	0.32	7 (4%) 35 22	47, 85, 97, 102	0
9	1N	140/140 (100%)	-0.72	0 100 100	17, 28, 59, 66	0
9	2N	140/140 (100%)	-0.42	0 100 100	33, 49, 70, 79	0
10	1O	122/122 (100%)	-0.73	0 100 100	16, 29, 48, 57	0
10	2O	122/122 (100%)	-0.58	0 100 100	29, 41, 59, 66	0
11	1P	149/149 (100%)	-0.55	0 100 100	8, 37, 57, 83	0
11	2P	149/149 (100%)	-0.31	0 100 100	28, 55, 78, 86	0
12	1Q	141/141 (100%)	-0.48	0 100 100	20, 32, 46, 72	0
12	2Q	141/141 (100%)	-0.27	0 100 100	35, 50, 64, 81	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
13	1R	118/118 (100%)	-0.74	0 100 100	14, 23, 39, 58	0
13	2R	118/118 (100%)	-0.47	0 100 100	27, 38, 53, 66	0
14	1S	110/110 (100%)	-0.48	0 100 100	29, 45, 60, 69	0
14	2S	110/110 (100%)	0.06	1 (0%) 81 64	50, 64, 79, 82	0
15	1T	131/131 (100%)	-0.55	2 (1%) 72 52	23, 35, 71, 88	0
15	2T	131/131 (100%)	-0.42	1 (0%) 82 67	33, 47, 80, 92	0
16	1U	116/116 (100%)	-0.69	0 100 100	10, 19, 39, 60	0
16	2U	116/116 (100%)	-0.44	0 100 100	27, 44, 60, 66	0
17	1V	101/101 (100%)	-0.77	0 100 100	11, 29, 50, 65	0
17	2V	101/101 (100%)	-0.39	0 100 100	24, 54, 70, 75	0
18	1W	112/112 (100%)	-0.67	0 100 100	10, 19, 42, 99	0
18	2W	112/112 (100%)	-0.56	0 100 100	23, 34, 57, 97	0
19	1X	95/95 (100%)	-0.57	1 (1%) 78 61	17, 27, 51, 68	0
19	2X	95/95 (100%)	-0.14	1 (1%) 78 61	35, 46, 66, 76	0
20	1Y	107/107 (100%)	-0.45	1 (0%) 81 64	23, 41, 68, 78	0
20	2Y	107/107 (100%)	0.06	1 (0%) 81 64	43, 61, 78, 87	0
21	1Z	203/203 (100%)	-0.36	1 (0%) 87 76	32, 57, 79, 96	0
21	2Z	203/203 (100%)	-0.18	2 (0%) 79 63	53, 71, 89, 104	0
22	10	77/77 (100%)	-0.63	0 100 100	20, 30, 52, 63	0
22	20	77/77 (100%)	-0.11	1 (1%) 75 55	37, 48, 62, 70	0
23	11	97/97 (100%)	-0.47	1 (1%) 79 63	17, 36, 68, 83	0
23	21	97/97 (100%)	-0.25	1 (1%) 79 63	30, 46, 74, 85	0
24	12	70/70 (100%)	-0.37	1 (1%) 73 54	26, 41, 57, 87	0
24	22	70/70 (100%)	-0.22	0 100 100	47, 61, 74, 84	0
25	13	59/59 (100%)	-0.50	1 (1%) 69 49	16, 26, 60, 79	0
25	23	59/59 (100%)	-0.39	0 100 100	36, 48, 71, 93	0
26	14	69/69 (100%)	-0.08	2 (2%) 53 35	62, 92, 109, 110	0
26	24	69/69 (100%)	0.31	1 (1%) 73 54	76, 100, 113, 119	0
27	15	59/59 (100%)	-0.73	0 100 100	10, 24, 45, 62	0
27	25	59/59 (100%)	-0.55	0 100 100	26, 40, 59, 82	0
28	16	53/53 (100%)	-0.66	0 100 100	28, 37, 50, 57	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
28	26	53/53 (100%)	-0.51	0 100 100	41, 52, 62, 70	0
29	17	48/48 (100%)	-0.58	0 100 100	12, 17, 50, 59	0
29	27	48/48 (100%)	-0.37	1 (2%) 63 43	24, 31, 56, 72	0
30	18	64/64 (100%)	-0.66	0 100 100	15, 22, 35, 42	0
30	28	64/64 (100%)	-0.25	0 100 100	32, 39, 51, 57	0
31	19	37/37 (100%)	-0.44	0 100 100	28, 36, 59, 63	0
31	29	37/37 (100%)	0.31	1 (2%) 56 36	47, 54, 70, 73	0
32	1a	1488/1507 (98%)	-0.38	8 (0%) 87 76	27, 76, 115, 143	0
32	2a	1488/1507 (98%)	-0.32	15 (1%) 79 63	33, 79, 116, 143	0
33	1b	231/231 (100%)	0.09	2 (0%) 81 64	70, 88, 100, 113	0
33	2b	231/231 (100%)	0.19	6 (2%) 57 37	75, 91, 104, 113	0
34	1c	206/206 (100%)	0.09	3 (1%) 72 52	72, 89, 100, 105	0
34	2c	206/206 (100%)	0.22	6 (2%) 53 35	82, 93, 104, 109	0
35	1d	208/208 (100%)	0.26	3 (1%) 73 54	57, 80, 93, 98	0
35	2d	208/208 (100%)	0.27	3 (1%) 73 54	61, 81, 94, 103	0
36	1e	148/148 (100%)	-0.29	1 (0%) 84 69	45, 69, 83, 94	0
36	2e	148/148 (100%)	-0.07	0 100 100	50, 72, 85, 100	0
37	1f	100/100 (100%)	-0.25	0 100 100	52, 71, 81, 86	0
37	2f	100/100 (100%)	-0.18	0 100 100	54, 71, 84, 88	0
38	1g	155/155 (100%)	-0.09	0 100 100	72, 84, 95, 105	0
38	2g	155/155 (100%)	0.14	2 (1%) 75 55	78, 88, 98, 106	0
39	1h	137/137 (100%)	-0.12	2 (1%) 72 52	50, 69, 79, 87	0
39	2h	137/137 (100%)	0.08	3 (2%) 62 42	56, 73, 82, 94	0
40	1i	127/127 (100%)	0.52	5 (3%) 43 27	68, 96, 105, 108	0
40	2i	127/127 (100%)	0.76	11 (8%) 16 11	77, 99, 108, 112	0
41	1j	97/97 (100%)	0.59	4 (4%) 41 25	75, 97, 107, 113	0
41	2j	97/97 (100%)	0.75	9 (9%) 14 9	81, 100, 109, 112	0
42	1k	114/114 (100%)	-0.40	0 100 100	39, 64, 81, 90	0
42	2k	114/114 (100%)	-0.10	1 (0%) 81 64	52, 71, 85, 98	0
43	1l	121/122 (99%)	-0.10	2 (1%) 69 49	42, 61, 77, 87	0
43	2l	121/122 (99%)	0.06	1 (0%) 82 67	50, 66, 79, 88	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
44	1m	116/116 (100%)	0.01	1 (0%) 81 64	71, 89, 97, 99	0
44	2m	116/116 (100%)	0.62	8 (6%) 23 14	79, 97, 104, 109	0
45	1n	60/60 (100%)	0.61	3 (5%) 34 22	70, 86, 94, 100	0
45	2n	60/60 (100%)	0.83	5 (8%) 17 11	82, 92, 100, 102	0
46	1o	88/88 (100%)	-0.07	1 (1%) 78 61	46, 66, 83, 91	0
46	2o	88/88 (100%)	-0.15	0 100 100	52, 68, 88, 93	0
47	1p	82/82 (100%)	0.24	1 (1%) 76 58	64, 78, 92, 100	0
47	2p	82/82 (100%)	0.41	3 (3%) 45 28	65, 75, 91, 101	0
48	1q	99/99 (100%)	0.15	2 (2%) 65 45	52, 68, 79, 84	0
48	2q	99/99 (100%)	0.06	1 (1%) 79 63	53, 69, 81, 86	0
49	1r	68/68 (100%)	-0.35	0 100 100	53, 66, 81, 91	0
49	2r	68/68 (100%)	-0.25	0 100 100	54, 69, 86, 94	0
50	1s	83/83 (100%)	0.42	1 (1%) 76 58	78, 94, 102, 108	0
50	2s	83/83 (100%)	0.85	7 (8%) 17 11	84, 101, 111, 116	0
51	1t	96/96 (100%)	0.31	4 (4%) 40 25	65, 76, 90, 95	0
51	2t	96/96 (100%)	0.24	4 (4%) 40 25	60, 75, 90, 93	0
52	1u	23/23 (100%)	0.86	2 (8%) 16 11	78, 84, 90, 94	0
52	2u	23/23 (100%)	1.35	5 (21%) 2 2	82, 90, 97, 99	0
53	1y	22/22 (100%)	0.62	4 (18%) 3 3	16, 39, 78, 90	0
54	1z	97/97 (100%)	0.01	2 (2%) 63 43	52, 63, 79, 84	0
54	2z	97/97 (100%)	0.65	6 (6%) 26 17	63, 75, 85, 93	0
All	All	20796/20916 (99%)	-0.38	249 (1%) 76 58	8, 58, 104, 143	0

All (249) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	1A	1087	G	9.4
1	1A	1081	U	7.7
1	1A	1089	G	6.9
1	1A	1077	A	6.3
40	2i	128	ARG	6.3
32	2a	1036	G	6.1
1	1A	1092	C	6.0
1	1A	1091	G	6.0
23	21	2	SER	5.9

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Mol	Chain	Res	Type	RSRZ
1	1A	1080	C	5.9
40	1i	106	ALA	5.7
51	2t	9	ASN	5.6
1	1A	1088	A	5.5
54	2z	98	ALA	5.3
1	1A	1082	U	5.3
1	1A	1090	U	5.0
1	1A	1079	C	4.9
1	1A	1074	G	4.6
29	27	48	LYS	4.5
1	1A	1072	C	4.5
1	1A	1076	C	4.4
1	2A	1076	C	4.4
23	11	2	SER	4.4
1	1A	1078	U	4.3
53	1y	17	PRO	4.3
1	1A	1067	A	4.3
1	1A	1066	U	4.3
1	1A	1086	A	4.2
32	2a	1028	C	4.2
1	1A	1064	C	4.1
1	1A	1075	C	4.1
1	1A	1103	A	4.0
1	1A	1083	U	4.0
1	1A	1104	C	3.9
20	1Y	1	MET	3.9
1	1A	1102	C	3.9
24	12	70	GLN	3.9
8	2I	108	THR	3.8
8	2I	77	LEU	3.8
53	1y	22	PRO	3.8
51	1t	103	GLY	3.8
45	2n	2	ALA	3.7
41	2j	47	PHE	3.7
8	2I	107	VAL	3.7
40	1i	128	ARG	3.7
54	2z	97	ALA	3.6
51	2t	103	GLY	3.5
54	1z	98	ALA	3.5
51	1t	10	LEU	3.5
32	1a	1036	G	3.4
32	2a	1030(B)	C	3.3

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Mol	Chain	Res	Type	RSRZ
38	2g	9	VAL	3.3
41	1j	10	GLY	3.3
8	2I	111	PRO	3.3
44	2m	2	ALA	3.3
40	2i	126	SER	3.3
54	1z	95	ARG	3.3
1	1A	1093	G	3.3
1	2A	2896	C	3.2
32	2a	1257	U	3.2
40	2i	109	VAL	3.2
41	2j	62	HIS	3.2
41	2j	63	PHE	3.2
1	1A	1071	G	3.1
32	2a	79	G	3.1
40	2i	127	LYS	3.1
35	2d	157	LEU	3.1
1	1A	1063	G	3.1
32	2a	1037	C	3.0
40	1i	46	ALA	3.0
39	2h	131	GLY	3.0
33	2b	70	PHE	3.0
41	1j	76	ASN	3.0
44	2m	93	ARG	2.9
50	2s	27	GLU	2.9
47	2p	82	GLN	2.9
1	2A	275	G	2.9
48	1q	93	GLN	2.9
34	2c	158	GLY	2.9
33	2b	163	PHE	2.9
14	2S	20	ARG	2.9
1	2A	1087	G	2.9
32	2a	1030(A)	G	2.9
48	1q	7	THR	2.9
1	2A	2148	G	2.9
32	2a	78	G	2.9
32	2a	1027	C	2.8
26	14	52	THR	2.8
8	2I	147	GLN	2.8
1	2A	2156	G	2.8
48	2q	24	GLU	2.8
50	2s	9	VAL	2.8
40	2i	14	VAL	2.8

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Mol	Chain	Res	Type	RSRZ
33	1b	214	ILE	2.8
42	2k	13	GLN	2.8
52	2u	7	ARG	2.8
3	2D	276	LYS	2.8
40	2i	102	LEU	2.8
1	1A	548	A	2.8
15	1T	130	ALA	2.8
44	1m	115	LYS	2.7
53	1y	21	PRO	2.7
50	2s	12	ASP	2.7
44	2m	102	ARG	2.7
39	2h	112	LEU	2.7
1	2A	2802	G	2.7
1	1A	1084	A	2.7
1	2A	2176	A	2.7
32	1a	1286	A	2.7
45	1n	2	ALA	2.7
41	2j	76	ASN	2.7
34	2c	2	GLY	2.7
1	2A	2165	G	2.7
32	2a	1029	C	2.6
1	2A	2124	G	2.6
1	2A	2125	G	2.6
32	1a	1030(C)	G	2.6
4	1E	163	GLU	2.6
35	1d	21	LEU	2.6
1	2A	2155	G	2.6
33	1b	187	LEU	2.6
35	1d	11	LEU	2.6
40	2i	110	GLU	2.6
44	2m	66	LEU	2.5
45	1n	16	PHE	2.5
1	1A	1057	A	2.5
1	2A	2147	G	2.5
22	20	74	ARG	2.5
33	2b	101	MET	2.5
1	2A	2169	A	2.5
32	2a	1202	G	2.5
51	1t	11	SER	2.5
1	2A	1064	C	2.5
20	2Y	1	MET	2.5
54	2z	35	ILE	2.4

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Mol	Chain	Res	Type	RSRZ
32	1a	1035	A	2.4
32	1a	1030(B)	C	2.4
44	2m	87	TYR	2.4
41	1j	66	ARG	2.4
47	2p	59	TRP	2.4
1	2A	888	C	2.4
1	2A	2108	C	2.4
1	2A	2140	C	2.4
32	1a	1030(A)	G	2.4
32	1a	1031	G	2.4
21	2Z	203	GLU	2.4
46	1o	3	ILE	2.4
34	1c	196	LEU	2.4
34	2c	5	ILE	2.4
47	2p	3	LYS	2.4
50	2s	71	LEU	2.4
1	1A	2117	A	2.4
41	2j	33	GLN	2.3
34	2c	207	VAL	2.3
1	2A	548	A	2.3
44	2m	100	GLY	2.3
41	2j	32	ALA	2.3
34	1c	193	TYR	2.3
45	2n	21	TYR	2.3
1	2A	2139	C	2.3
44	2m	90	LEU	2.3
31	29	37	GLY	2.3
45	2n	13	THR	2.3
53	1y	19	PHE	2.3
41	2j	59	SER	2.3
40	2i	66	ARG	2.3
21	2Z	192	ALA	2.3
1	2A	34	C	2.3
35	1d	4	TYR	2.3
45	2n	34	TYR	2.3
52	2u	6	ARG	2.3
15	1T	131	ALA	2.2
39	2h	2	LEU	2.2
8	2I	93	THR	2.2
52	1u	24	ARG	2.2
50	1s	13	ASP	2.2
50	2s	2	PRO	2.2

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Mol	Chain	Res	Type	RSRZ
1	2A	2160	G	2.2
1	2A	2168	G	2.2
3	1D	275	LYS	2.2
50	2s	68	GLY	2.2
19	2X	68	ARG	2.2
54	2z	2	THR	2.2
39	1h	95	VAL	2.2
1	1A	275	G	2.2
6	2G	163	ALA	2.2
45	1n	5	ALA	2.2
52	2u	23	PRO	2.2
32	1a	1030	C	2.2
33	2b	97	TRP	2.2
41	1j	32	ALA	2.2
36	1e	22	GLY	2.2
1	2A	2126	A	2.2
32	2a	1035	A	2.2
1	1A	1058	G	2.2
1	1A	2805	G	2.2
1	2A	2162	G	2.2
34	1c	207	VAL	2.1
43	1l	47	LYS	2.1
51	2t	10	LEU	2.1
1	2A	2110	G	2.1
15	2T	131	ALA	2.1
33	2b	99	GLY	2.1
34	2c	155	GLY	2.1
32	2a	999	C	2.1
43	2l	99	HIS	2.1
1	2A	2109	U	2.1
51	2t	14	LYS	2.1
52	2u	24	ARG	2.1
47	1p	82	GLN	2.1
51	1t	18	GLN	2.1
21	1Z	193	GLU	2.1
26	14	59	PHE	2.1
1	1A	2108	C	2.1
1	2A	2174	C	2.1
52	1u	14	TRP	2.1
39	1h	133	LEU	2.1
52	2u	8	THR	2.1
44	2m	6	GLY	2.1

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Mol	Chain	Res	Type	RSRZ
34	2c	90	GLU	2.1
41	2j	37	PRO	2.1
1	2A	229	A	2.1
3	1D	276	LYS	2.1
40	1i	107	ARG	2.1
54	2z	81	LEU	2.1
50	2s	13	ASP	2.1
1	1A	2803	C	2.1
1	2A	2803	C	2.1
32	2a	378	G	2.1
26	24	54	GLY	2.1
25	13	2	PRO	2.1
35	2d	179	GLU	2.1
43	1l	126	LYS	2.0
40	2i	81	ILE	2.0
1	1A	1085	A	2.0
1	2A	2170	A	2.0
40	2i	15	ALA	2.0
45	2n	5	ALA	2.0
1	2A	2107	C	2.0
40	1i	127	LYS	2.0
19	1X	95	LEU	2.0
33	2b	137	ARG	2.0
41	2j	75	ILE	2.0
32	2a	1000	U	2.0
54	2z	21	ALA	2.0
35	2d	54	TYR	2.0
38	2g	82	GLY	2.0
40	2i	11	LYS	2.0
8	2I	101	LEU	2.0

5.2 Non-standard residues in protein, DNA, RNA chains (i)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
32	2MG	2a	1207	24/25	0.84	0.10	91,98,105,108	0
32	PSU	2a	516	20/21	0.86	0.11	72,81,90,91	0
1	5MU	2A	1915	21/22	0.87	0.07	86,95,109,116	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
1	5MU	1A	1915	21/22	0.89	0.09	81,89,96,98	0
1	PSU	2A	1917	20/21	0.90	0.06	76,81,94,98	0
1	PSU	2A	1911	20/21	0.90	0.07	65,72,79,80	0
32	PSU	1a	516	20/21	0.90	0.09	69,78,82,84	0
1	PSU	1A	1911	20/21	0.91	0.08	64,69,74,74	0
32	7MG	2a	527	24/25	0.91	0.12	61,66,74,77	0
1	PSU	1A	1917	20/21	0.91	0.07	61,75,81,85	0
32	M2G	2a	966	25/26	0.92	0.10	65,73,81,86	0
32	5MC	2a	967	21/22	0.92	0.10	65,74,83,89	0
32	2MG	1a	1207	24/25	0.92	0.07	82,91,97,98	0
1	4OC	2A	1920	21/23	0.93	0.08	55,67,70,73	0
32	5MC	2a	1400	21/22	0.93	0.11	64,68,73,77	0
32	M2G	1a	966	25/26	0.94	0.08	56,64,75,80	0
32	5MC	1a	967	21/22	0.94	0.09	61,69,81,82	0
32	7MG	1a	527	24/25	0.94	0.10	52,56,64,67	0
32	5MC	1a	1400	21/22	0.94	0.09	51,55,58,60	0
32	4OC	1a	1402	22/23	0.94	0.09	51,55,61,63	0
32	UR3	1a	1498	21/22	0.95	0.08	39,50,58,61	0
43	0TD	1l	92	10/11	0.95	0.09	64,66,69,72	0
32	4OC	2a	1402	22/23	0.95	0.08	56,59,64,70	0
32	5MC	2a	1404	21/22	0.95	0.08	47,54,61,64	0
32	5MC	2a	1407	21/22	0.95	0.07	50,59,65,66	0
1	2MA	2A	2503	23/24	0.96	0.08	19,23,26,34	0
1	4OC	1A	1920	21/23	0.96	0.07	47,60,68,69	0
32	5MC	1a	1404	21/22	0.96	0.07	42,50,53,57	0
32	5MC	1a	1407	21/22	0.96	0.08	38,55,60,63	0
1	5MC	2A	1962	21/22	0.96	0.07	32,41,48,55	0
32	UR3	2a	1498	21/22	0.96	0.08	47,52,58,61	0
32	MA6	2a	1518	24/25	0.96	0.08	43,53,58,61	0
43	0TD	2l	92	10/11	0.96	0.08	64,71,79,83	0
1	OMG	1A	2251	24/25	0.97	0.07	17,21,27,28	0
1	OMG	2A	2251	24/25	0.97	0.07	29,34,37,43	0
1	5MC	1A	1942	21/22	0.97	0.06	19,27,30,36	0
1	PSU	2A	2605	20/21	0.97	0.07	21,28,33,36	0
32	MA6	1a	1518	24/25	0.97	0.07	36,42,45,48	0
1	5MC	1A	1962	21/22	0.97	0.07	25,29,32,41	0
1	5MU	2A	1939	21/22	0.97	0.07	26,31,36,40	0
32	MA6	2a	1519	24/25	0.97	0.11	44,51,54,55	0
1	5MC	2A	1942	21/22	0.97	0.05	37,44,48,50	0
1	2MA	1A	2503	23/24	0.98	0.06	7,11,12,12	0
1	2MU	1A	2552	21/23	0.98	0.07	15,19,22,25	0
32	MA6	1a	1519	24/25	0.98	0.06	34,40,44,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
1	2MU	2A	2552	21/23	0.98	0.05	24,29,32,34	0
1	PSU	1A	2605	20/21	0.98	0.06	11,17,22,26	0
1	5MU	1A	1939	21/22	0.98	0.06	14,22,25,27	0

5.3 Carbohydrates (i)

There are no oligosaccharides in this entry.

5.4 Ligands (i)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2B	3016	1/1	0.01	0.34	85,85,85,85	0
55	MG	2H	8001	1/1	0.08	0.14	93,93,93,93	0
55	MG	2B	3014	1/1	0.14	0.22	76,76,76,76	0
55	MG	2A	3784	1/1	0.16	0.17	86,86,86,86	0
55	MG	2a	1747	1/1	0.20	0.26	106,106,106,106	0
55	MG	2a	1643	1/1	0.25	0.28	86,86,86,86	0
55	MG	2a	1796	1/1	0.25	0.15	95,95,95,95	0
55	MG	2A	3907	1/1	0.30	0.22	56,56,56,56	0
55	MG	2A	3764	1/1	0.32	0.17	70,70,70,70	0
55	MG	2a	1619	1/1	0.34	0.35	95,95,95,95	0
55	MG	2a	1724	1/1	0.34	0.27	96,96,96,96	0
55	MG	2A	3260	1/1	0.35	0.16	94,94,94,94	0
55	MG	2A	3279	1/1	0.38	0.11	83,83,83,83	0
55	MG	2a	1658	1/1	0.39	0.16	83,83,83,83	0
55	MG	2z	101	1/1	0.41	0.36	111,111,111,111	0
55	MG	2a	1617	1/1	0.42	0.35	83,83,83,83	0
55	MG	2B	3006	1/1	0.43	0.20	64,64,64,64	0
55	MG	1a	1752	1/1	0.43	0.25	86,86,86,86	0
55	MG	1A	3528	1/1	0.43	0.53	31,31,31,31	0
55	MG	1a	1763	1/1	0.45	0.20	91,91,91,91	0
55	MG	1a	1661	1/1	0.46	0.41	67,67,67,67	0
55	MG	2A	3515	1/1	0.47	0.26	68,68,68,68	0
55	MG	1A	3553	1/1	0.47	0.52	37,37,37,37	0
55	MG	2A	3945	1/1	0.47	0.20	81,81,81,81	0
55	MG	2A	3142	1/1	0.50	0.22	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3801	1/1	0.50	0.18	83,83,83,83	0
55	MG	2a	1779	1/1	0.51	0.20	92,92,92,92	0
55	MG	1A	3584	1/1	0.51	0.85	32,32,32,32	0
55	MG	2A	3734	1/1	0.51	0.17	81,81,81,81	0
55	MG	1A	3809	1/1	0.52	0.17	63,63,63,63	0
55	MG	2A	3146	1/1	0.53	0.25	68,68,68,68	0
55	MG	2B	3026	1/1	0.53	0.12	83,83,83,83	0
55	MG	2A	3259	1/1	0.54	0.12	82,82,82,82	0
55	MG	2A	3680	1/1	0.54	0.12	53,53,53,53	0
55	MG	2A	3923	1/1	0.54	0.26	83,83,83,83	0
55	MG	2A	3419	1/1	0.55	0.17	60,60,60,60	0
55	MG	2A	3567	1/1	0.56	0.28	53,53,53,53	0
55	MG	2a	1739	1/1	0.57	0.45	82,82,82,82	0
55	MG	2a	1806	1/1	0.58	0.22	84,84,84,84	0
55	MG	1a	1813	1/1	0.58	0.19	76,76,76,76	0
55	MG	2A	3929	1/1	0.59	0.26	58,58,58,58	0
55	MG	2a	1676	1/1	0.60	0.18	102,102,102,102	0
55	MG	1A	3480	1/1	0.60	0.24	45,45,45,45	0
55	MG	2A	3626	1/1	0.62	0.11	64,64,64,64	0
55	MG	2a	1635	1/1	0.62	0.35	63,63,63,63	0
55	MG	2A	3370	1/1	0.62	0.18	76,76,76,76	0
55	MG	2A	3022	1/1	0.62	0.18	49,49,49,49	0
55	MG	2A	3487	1/1	0.63	0.20	52,52,52,52	0
55	MG	1n	502	1/1	0.63	0.15	74,74,74,74	0
55	MG	2a	1613	1/1	0.63	0.16	72,72,72,72	0
55	MG	2a	1834	1/1	0.63	0.19	76,76,76,76	0
55	MG	2A	3007	1/1	0.63	0.22	59,59,59,59	0
55	MG	2A	3710	1/1	0.64	0.18	40,40,40,40	0
55	MG	1a	1753	1/1	0.64	0.21	81,81,81,81	0
55	MG	2A	3595	1/1	0.65	0.12	79,79,79,79	0
55	MG	1a	1835	1/1	0.65	0.10	81,81,81,81	0
55	MG	2a	1748	1/1	0.65	0.24	71,71,71,71	0
55	MG	1A	3562	1/1	0.65	0.24	63,63,63,63	0
55	MG	2a	1646	1/1	0.66	0.17	76,76,76,76	0
55	MG	2A	3176	1/1	0.66	0.23	81,81,81,81	0
55	MG	2a	1835	1/1	0.66	0.22	87,87,87,87	0
55	MG	2A	3811	1/1	0.66	0.14	65,65,65,65	0
55	MG	2A	3513	1/1	0.67	0.15	66,66,66,66	0
55	MG	1a	1845	1/1	0.67	0.31	107,107,107,107	0
55	MG	2A	3332	1/1	0.67	0.15	61,61,61,61	0
55	MG	2A	3241	1/1	0.67	0.22	72,72,72,72	0
55	MG	1a	1721	1/1	0.67	0.22	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3488	1/1	0.67	0.22	54,54,54,54	0
55	MG	2D	315	1/1	0.67	0.11	60,60,60,60	0
55	MG	2a	1663	1/1	0.67	0.26	86,86,86,86	0
55	MG	2a	1664	1/1	0.67	0.18	80,80,80,80	0
55	MG	2i	3001	1/1	0.67	0.14	73,73,73,73	0
55	MG	2A	3694	1/1	0.67	0.20	75,75,75,75	0
55	MG	2A	3888	1/1	0.68	0.21	63,63,63,63	0
55	MG	2A	3623	1/1	0.68	0.12	54,54,54,54	0
55	MG	2G	3001	1/1	0.68	0.10	92,92,92,92	0
55	MG	2a	1842	1/1	0.68	0.29	71,71,71,71	0
55	MG	1a	1663	1/1	0.68	0.19	86,86,86,86	0
55	MG	1B	217	1/1	0.68	0.17	57,57,57,57	0
55	MG	1a	1615	1/1	0.69	0.14	72,72,72,72	0
55	MG	1a	1723	1/1	0.69	0.19	55,55,55,55	0
55	MG	2A	3402	1/1	0.69	0.13	47,47,47,47	0
55	MG	1A	3660	1/1	0.69	0.16	55,55,55,55	0
55	MG	2B	3017	1/1	0.69	0.12	68,68,68,68	0
55	MG	1A	3512	1/1	0.69	0.21	59,59,59,59	0
55	MG	1a	1669	1/1	0.69	0.20	61,61,61,61	0
55	MG	2a	1828	1/1	0.69	0.12	90,90,90,90	0
55	MG	2a	1662	1/1	0.69	0.28	90,90,90,90	0
55	MG	1a	1681	1/1	0.69	0.17	59,59,59,59	0
55	MG	2a	1838	1/1	0.69	0.13	111,111,111,111	0
55	MG	2A	3727	1/1	0.69	0.24	67,67,67,67	0
55	MG	2H	8002	1/1	0.69	0.30	90,90,90,90	0
55	MG	2a	1680	1/1	0.69	0.12	82,82,82,82	0
55	MG	1a	1740	1/1	0.70	0.10	81,81,81,81	0
55	MG	1A	3047	1/1	0.70	0.17	31,31,31,31	0
55	MG	2A	3788	1/1	0.70	0.08	94,94,94,94	0
55	MG	1A	3085	1/1	0.70	0.13	32,32,32,32	0
55	MG	2a	1754	1/1	0.71	0.15	104,104,104,104	0
55	MG	2A	3061	1/1	0.71	0.15	39,39,39,39	0
55	MG	1A	3912	1/1	0.71	0.18	35,35,35,35	0
55	MG	2a	1801	1/1	0.71	0.08	86,86,86,86	0
55	MG	2A	3701	1/1	0.71	0.15	60,60,60,60	0
55	MG	2A	3299	1/1	0.71	0.10	44,44,44,44	0
55	MG	2A	3559	1/1	0.71	0.32	63,63,63,63	0
55	MG	1a	1670	1/1	0.71	0.25	55,55,55,55	0
55	MG	1a	1618	1/1	0.71	0.30	89,89,89,89	0
55	MG	1A	3864	1/1	0.71	0.16	51,51,51,51	0
55	MG	1Q	203	1/1	0.71	0.19	40,40,40,40	0
55	MG	2A	3628	1/1	0.71	0.20	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3599	1/1	0.72	0.11	52,52,52,52	0
55	MG	2A	3036	1/1	0.72	0.26	49,49,49,49	0
55	MG	2a	1787	1/1	0.72	0.13	66,66,66,66	0
55	MG	1A	3170	1/1	0.72	0.30	62,62,62,62	0
55	MG	2Y	201	1/1	0.72	0.34	61,61,61,61	0
55	MG	2a	1666	1/1	0.72	0.19	68,68,68,68	0
55	MG	2A	3800	1/1	0.72	0.26	73,73,73,73	0
55	MG	2a	1830	1/1	0.72	0.18	119,119,119,119	0
55	MG	2A	3721	1/1	0.72	0.18	47,47,47,47	0
55	MG	2A	3885	1/1	0.72	0.15	67,67,67,67	0
55	MG	2a	1730	1/1	0.72	0.12	81,81,81,81	0
55	MG	1A	3252	1/1	0.72	0.66	41,41,41,41	0
55	MG	1a	1746	1/1	0.72	0.10	55,55,55,55	0
55	MG	2A	3917	1/1	0.72	0.17	71,71,71,71	0
55	MG	1A	3669	1/1	0.73	0.16	47,47,47,47	0
55	MG	2D	317	1/1	0.73	0.20	61,61,61,61	0
55	MG	2A	3911	1/1	0.73	0.56	53,53,53,53	0
55	MG	1a	1779	1/1	0.73	0.10	81,81,81,81	0
55	MG	2A	3753	1/1	0.73	0.17	41,41,41,41	0
55	MG	1a	1647	1/1	0.73	0.19	65,65,65,65	0
55	MG	1a	1608	1/1	0.73	0.09	74,74,74,74	0
55	MG	1a	1837	1/1	0.73	0.12	93,93,93,93	0
55	MG	2A	3319	1/1	0.73	0.16	81,81,81,81	0
55	MG	1a	1685	1/1	0.73	0.34	55,55,55,55	0
55	MG	2A	3591	1/1	0.73	0.16	50,50,50,50	0
55	MG	1A	3664	1/1	0.73	0.13	31,31,31,31	0
55	MG	2l	3002	1/1	0.73	0.13	70,70,70,70	0
55	MG	2o	101	1/1	0.73	0.27	66,66,66,66	0
55	MG	2a	1647	1/1	0.73	0.25	67,67,67,67	0
55	MG	1A	3718	1/1	0.74	0.12	58,58,58,58	0
55	MG	1a	1755	1/1	0.74	0.10	76,76,76,76	0
55	MG	1A	3270	1/1	0.74	0.33	43,43,43,43	0
55	MG	1A	3865	1/1	0.74	0.13	48,48,48,48	0
55	MG	2a	1621	1/1	0.74	0.07	82,82,82,82	0
55	MG	2A	3378	1/1	0.74	0.14	72,72,72,72	0
55	MG	17	101	1/1	0.74	0.35	34,34,34,34	0
55	MG	1a	1828	1/1	0.74	0.11	74,74,74,74	0
55	MG	2A	3608	1/1	0.74	0.13	48,48,48,48	0
55	MG	2A	3469	1/1	0.74	0.21	58,58,58,58	0
55	MG	2a	1769	1/1	0.74	0.17	83,83,83,83	0
55	MG	1a	1602	1/1	0.74	0.22	78,78,78,78	0
55	MG	2A	3768	1/1	0.74	0.13	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2a	1717	1/1	0.75	0.19	90,90,90,90	0
55	MG	2G	3002	1/1	0.75	0.14	71,71,71,71	0
55	MG	1A	3934	1/1	0.75	0.17	67,67,67,67	0
55	MG	1B	211	1/1	0.75	0.27	58,58,58,58	0
55	MG	2a	1745	1/1	0.75	0.18	70,70,70,70	0
55	MG	1A	3503	1/1	0.75	0.16	60,60,60,60	0
55	MG	1a	1754	1/1	0.75	0.19	66,66,66,66	0
55	MG	1D	303	1/1	0.75	0.44	27,27,27,27	0
55	MG	2a	1618	1/1	0.75	0.17	96,96,96,96	0
55	MG	1a	1732	1/1	0.75	0.16	75,75,75,75	0
55	MG	2A	3612	1/1	0.75	0.20	65,65,65,65	0
55	MG	1A	3717	1/1	0.75	0.19	29,29,29,29	0
55	MG	2A	3503	1/1	0.76	0.14	62,62,62,62	0
55	MG	2a	1808	1/1	0.76	0.08	76,76,76,76	0
55	MG	1a	1644	1/1	0.76	0.19	70,70,70,70	0
55	MG	2A	3703	1/1	0.76	0.23	56,56,56,56	0
55	MG	2A	3777	1/1	0.76	0.15	63,63,63,63	0
55	MG	2A	3915	1/1	0.76	0.20	70,70,70,70	0
55	MG	2A	3594	1/1	0.76	1.04	43,43,43,43	0
55	MG	1A	3481	1/1	0.76	0.12	56,56,56,56	0
55	MG	2a	1782	1/1	0.76	0.09	79,79,79,79	0
55	MG	2A	3596	1/1	0.76	0.11	68,68,68,68	0
55	MG	1A	3602	1/1	0.76	0.20	46,46,46,46	0
55	MG	2A	3872	1/1	0.76	0.11	71,71,71,71	0
55	MG	2a	1805	1/1	0.77	0.21	66,66,66,66	0
55	MG	1a	1842	1/1	0.77	0.15	56,56,56,56	0
55	MG	2A	3776	1/1	0.77	0.21	69,69,69,69	0
55	MG	1A	3256	1/1	0.77	0.07	68,68,68,68	0
55	MG	1A	3264	1/1	0.77	0.15	58,58,58,58	0
55	MG	1A	3723	1/1	0.77	0.19	63,63,63,63	0
55	MG	2A	3492	1/1	0.77	0.49	41,41,41,41	0
55	MG	2A	3803	1/1	0.77	0.12	83,83,83,83	0
55	MG	2A	3331	1/1	0.77	0.21	46,46,46,46	0
55	MG	2A	3236	1/1	0.77	0.09	91,91,91,91	0
55	MG	2A	3365	1/1	0.77	0.15	72,72,72,72	0
55	MG	1A	3782	1/1	0.77	0.13	60,60,60,60	0
55	MG	1a	1750	1/1	0.77	0.10	68,68,68,68	0
55	MG	2z	102	1/1	0.77	0.17	78,78,78,78	0
55	MG	1A	3325	1/1	0.78	0.18	29,29,29,29	0
55	MG	2B	3008	1/1	0.78	0.18	69,69,69,69	0
55	MG	2a	1624	1/1	0.78	0.25	62,62,62,62	0
55	MG	2a	1773	1/1	0.78	0.14	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2a	1778	1/1	0.78	0.16	63,63,63,63	0
55	MG	1a	1724	1/1	0.78	0.28	70,70,70,70	0
55	MG	2a	1642	1/1	0.78	0.23	80,80,80,80	0
55	MG	1A	3589	1/1	0.78	0.13	72,72,72,72	0
55	MG	2A	3867	1/1	0.78	0.08	58,58,58,58	0
55	MG	2A	3326	1/1	0.78	0.07	54,54,54,54	0
55	MG	2A	3495	1/1	0.78	0.10	42,42,42,42	0
55	MG	1A	3238	1/1	0.78	0.16	20,20,20,20	0
55	MG	2E	303	1/1	0.78	0.37	37,37,37,37	0
55	MG	2A	3200	1/1	0.78	0.26	41,41,41,41	0
55	MG	1A	3617	1/1	0.78	0.10	54,54,54,54	0
55	MG	2a	1832	1/1	0.78	0.15	83,83,83,83	0
55	MG	1a	1789	1/1	0.78	0.12	117,117,117,117	0
55	MG	2A	3677	1/1	0.78	0.10	48,48,48,48	0
55	MG	1a	1720	1/1	0.78	0.22	79,79,79,79	0
55	MG	20	102	1/1	0.78	0.09	66,66,66,66	0
55	MG	2a	1603	1/1	0.78	0.09	93,93,93,93	0
55	MG	2A	3683	1/1	0.78	0.11	57,57,57,57	0
55	MG	1A	3274	1/1	0.78	0.16	79,79,79,79	0
55	MG	2a	1746	1/1	0.78	0.14	87,87,87,87	0
55	MG	2B	3005	1/1	0.78	0.09	74,74,74,74	0
55	MG	23	102	1/1	0.79	0.30	59,59,59,59	0
55	MG	1A	3255	1/1	0.79	0.13	57,57,57,57	0
55	MG	1A	3556	1/1	0.79	0.45	34,34,34,34	0
55	MG	2A	3116	1/1	0.79	0.18	45,45,45,45	0
55	MG	1a	1616	1/1	0.79	0.24	75,75,75,75	0
55	MG	2A	3939	1/1	0.79	0.30	53,53,53,53	0
55	MG	1A	3903	1/1	0.79	0.15	36,36,36,36	0
55	MG	2A	3765	1/1	0.79	0.10	67,67,67,67	0
55	MG	2A	3153	1/1	0.79	0.12	52,52,52,52	0
55	MG	2A	3174	1/1	0.79	0.24	36,36,36,36	0
55	MG	2B	3010	1/1	0.79	0.23	70,70,70,70	0
55	MG	1A	3673	1/1	0.79	0.26	40,40,40,40	0
55	MG	1A	3699	1/1	0.79	0.13	47,47,47,47	0
55	MG	1A	3122	1/1	0.79	0.17	39,39,39,39	0
55	MG	1A	3313	1/1	0.79	0.13	41,41,41,41	0
55	MG	2a	1809	1/1	0.79	0.10	68,68,68,68	0
55	MG	1A	3002	1/1	0.79	0.12	49,49,49,49	0
55	MG	1d	303	1/1	0.79	0.18	59,59,59,59	0
55	MG	1A	3328	1/1	0.79	0.14	45,45,45,45	0
55	MG	1A	3455	1/1	0.79	0.16	89,89,89,89	0
55	MG	2A	3521	1/1	0.79	0.11	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2a	1682	1/1	0.79	0.27	73,73,73,73	0
55	MG	2A	3557	1/1	0.79	0.23	77,77,77,77	0
55	MG	2A	3706	1/1	0.79	0.16	70,70,70,70	0
55	MG	2Q	203	1/1	0.79	0.24	51,51,51,51	0
55	MG	1A	3532	1/1	0.79	0.21	68,68,68,68	0
55	MG	2a	1741	1/1	0.79	0.10	66,66,66,66	0
55	MG	2A	3912	1/1	0.79	0.32	38,38,38,38	0
55	MG	1a	1677	1/1	0.80	0.14	102,102,102,102	0
55	MG	1B	209	1/1	0.80	0.07	41,41,41,41	0
55	MG	15	101	1/1	0.80	0.50	19,19,19,19	0
55	MG	1a	1705	1/1	0.80	0.15	48,48,48,48	0
55	MG	2a	1655	1/1	0.80	0.29	62,62,62,62	0
55	MG	2A	3731	1/1	0.80	0.11	65,65,65,65	0
55	MG	1A	3262	1/1	0.80	0.24	44,44,44,44	0
55	MG	2G	3003	1/1	0.80	0.15	66,66,66,66	0
55	MG	1a	1656	1/1	0.80	0.17	71,71,71,71	0
55	MG	2A	3491	1/1	0.80	0.17	38,38,38,38	0
55	MG	1A	3778	1/1	0.80	0.28	46,46,46,46	0
55	MG	1a	1778	1/1	0.80	0.19	92,92,92,92	0
55	MG	2A	3931	1/1	0.80	0.75	63,63,63,63	0
55	MG	1B	204	1/1	0.80	0.21	63,63,63,63	0
55	MG	2A	3650	1/1	0.80	0.14	71,71,71,71	0
55	MG	2A	3051	1/1	0.80	0.22	51,51,51,51	0
55	MG	2a	1738	1/1	0.80	0.17	83,83,83,83	0
55	MG	1F	301	1/1	0.80	0.09	17,17,17,17	0
55	MG	2A	3068	1/1	0.80	0.26	39,39,39,39	0
55	MG	1a	1791	1/1	0.80	0.16	64,64,64,64	0
55	MG	1G	3001	1/1	0.80	0.08	96,96,96,96	0
55	MG	2A	3857	1/1	0.80	0.24	47,47,47,47	0
55	MG	2a	1628	1/1	0.80	0.30	52,52,52,52	0
55	MG	1a	1742	1/1	0.80	0.12	60,60,60,60	0
55	MG	2a	1606	1/1	0.81	0.23	53,53,53,53	0
55	MG	1a	1650	1/1	0.81	0.22	59,59,59,59	0
55	MG	2a	1616	1/1	0.81	0.17	69,69,69,69	0
55	MG	1a	1811	1/1	0.81	0.09	61,61,61,61	0
55	MG	2A	3042	1/1	0.81	0.23	29,29,29,29	0
55	MG	2A	3964	1/1	0.81	0.13	42,42,42,42	0
55	MG	2A	3254	1/1	0.81	0.20	74,74,74,74	0
55	MG	2a	1763	1/1	0.81	0.08	73,73,73,73	0
55	MG	1a	1612	1/1	0.81	0.24	60,60,60,60	0
55	MG	1A	3656	1/1	0.81	0.33	36,36,36,36	0
55	MG	2A	3268	1/1	0.81	0.17	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1D	316	1/1	0.81	0.23	53,53,53,53	0
55	MG	2A	3668	1/1	0.81	0.21	44,44,44,44	0
55	MG	2a	1645	1/1	0.81	0.21	33,33,33,33	0
55	MG	1a	1668	1/1	0.81	0.21	60,60,60,60	0
55	MG	2A	3849	1/1	0.81	0.27	64,64,64,64	0
55	MG	2a	1652	1/1	0.81	0.14	43,43,43,43	0
55	MG	2A	3302	1/1	0.81	0.23	51,51,51,51	0
55	MG	2A	3520	1/1	0.81	0.14	54,54,54,54	0
55	MG	2a	1659	1/1	0.81	0.27	74,74,74,74	0
55	MG	2a	1827	1/1	0.81	0.15	77,77,77,77	0
55	MG	1D	317	1/1	0.81	0.12	38,38,38,38	0
55	MG	2A	3550	1/1	0.81	0.14	53,53,53,53	0
55	MG	1a	1730	1/1	0.81	0.16	48,48,48,48	0
55	MG	2A	3889	1/1	0.81	0.11	57,57,57,57	0
55	MG	1a	1642	1/1	0.81	0.14	89,89,89,89	0
55	MG	2A	3564	1/1	0.81	0.29	42,42,42,42	0
55	MG	1A	3731	1/1	0.81	0.16	60,60,60,60	0
55	MG	2a	1705	1/1	0.81	0.27	63,63,63,63	0
55	MG	2A	3590	1/1	0.81	0.49	43,43,43,43	0
55	MG	1A	3163	1/1	0.81	0.33	32,32,32,32	0
55	MG	2t	201	1/1	0.81	0.19	75,75,75,75	0
55	MG	2A	3187	1/1	0.81	0.15	63,63,63,63	0
55	MG	2A	3194	1/1	0.81	0.23	40,40,40,40	0
55	MG	2A	3462	1/1	0.82	0.29	59,59,59,59	0
55	MG	25	103	1/1	0.82	0.29	49,49,49,49	0
55	MG	2A	3729	1/1	0.82	0.11	66,66,66,66	0
55	MG	2A	3073	1/1	0.82	0.11	41,41,41,41	0
55	MG	2A	3473	1/1	0.82	0.11	66,66,66,66	0
55	MG	2A	3930	1/1	0.82	0.12	61,61,61,61	0
55	MG	2A	3742	1/1	0.82	0.14	52,52,52,52	0
55	MG	2A	3744	1/1	0.82	0.12	58,58,58,58	0
55	MG	2A	3086	1/1	0.82	0.18	61,61,61,61	0
55	MG	1A	3875	1/1	0.82	0.35	26,26,26,26	0
55	MG	1a	1674	1/1	0.82	0.22	68,68,68,68	0
55	MG	1A	3899	1/1	0.82	0.20	68,68,68,68	0
55	MG	1A	3112	1/1	0.82	0.25	46,46,46,46	0
55	MG	2a	1636	1/1	0.82	0.37	63,63,63,63	0
55	MG	1A	3558	1/1	0.82	0.47	19,19,19,19	0
55	MG	1A	3544	1/1	0.82	0.12	51,51,51,51	0
55	MG	2a	1789	1/1	0.82	0.27	51,51,51,51	0
55	MG	1A	3957	1/1	0.82	0.17	78,78,78,78	0
55	MG	1A	3650	1/1	0.82	0.31	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2B	3025	1/1	0.82	0.09	63,63,63,63	0
55	MG	2A	3672	1/1	0.82	0.08	65,65,65,65	0
55	MG	2A	3538	1/1	0.82	0.08	52,52,52,52	0
55	MG	2A	3047	1/1	0.82	0.19	39,39,39,39	0
55	MG	2A	3201	1/1	0.82	0.13	71,71,71,71	0
55	MG	2F	311	1/1	0.82	0.12	72,72,72,72	0
55	MG	1A	3081	1/1	0.82	0.28	41,41,41,41	0
55	MG	2A	3563	1/1	0.82	0.63	46,46,46,46	0
55	MG	1a	1631	1/1	0.82	0.13	61,61,61,61	0
55	MG	2A	3406	1/1	0.82	0.10	45,45,45,45	0
55	MG	2a	1677	1/1	0.82	0.09	68,68,68,68	0
55	MG	2A	3570	1/1	0.82	0.31	53,53,53,53	0
55	MG	2d	504	1/1	0.82	0.14	66,66,66,66	0
55	MG	1a	1838	1/1	0.82	0.12	27,27,27,27	0
55	MG	2a	1688	1/1	0.82	0.24	71,71,71,71	0
55	MG	2U	205	1/1	0.82	0.39	49,49,49,49	0
55	MG	2a	1709	1/1	0.82	0.15	102,102,102,102	0
55	MG	2A	3723	1/1	0.82	0.60	65,65,65,65	0
55	MG	2A	3726	1/1	0.82	0.19	73,73,73,73	0
55	MG	2A	3542	1/1	0.83	0.12	66,66,66,66	0
55	MG	2A	3549	1/1	0.83	0.08	65,65,65,65	0
55	MG	2A	3704	1/1	0.83	0.08	69,69,69,69	0
55	MG	2A	3126	1/1	0.83	0.10	71,71,71,71	0
55	MG	2a	1611	1/1	0.83	0.38	48,48,48,48	0
55	MG	1a	1749	1/1	0.83	0.15	68,68,68,68	0
55	MG	1A	3763	1/1	0.83	0.10	40,40,40,40	0
55	MG	2A	3150	1/1	0.83	1.27	34,34,34,34	0
55	MG	2a	1751	1/1	0.83	0.07	93,93,93,93	0
55	MG	1A	3474	1/1	0.83	0.64	18,18,18,18	0
55	MG	1A	3590	1/1	0.83	0.10	47,47,47,47	0
55	MG	1i	3001	1/1	0.83	0.21	74,74,74,74	0
55	MG	2A	3941	1/1	0.83	0.35	104,104,104,104	0
55	MG	2A	3571	1/1	0.83	0.15	50,50,50,50	0
55	MG	2A	3394	1/1	0.83	0.13	72,72,72,72	0
55	MG	1A	3229	1/1	0.83	0.07	42,42,42,42	0
55	MG	1a	1700	1/1	0.83	0.17	75,75,75,75	0
55	MG	1A	3253	1/1	0.83	0.10	59,59,59,59	0
55	MG	1a	1645	1/1	0.83	0.23	64,64,64,64	0
55	MG	1A	3621	1/1	0.83	0.13	58,58,58,58	0
55	MG	1A	3027	1/1	0.83	0.20	46,46,46,46	0
55	MG	18	3301	1/1	0.83	0.21	45,45,45,45	0
55	MG	1B	215	1/1	0.83	0.09	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	1605	1/1	0.83	0.16	60,60,60,60	0
55	MG	2A	3262	1/1	0.83	0.21	51,51,51,51	0
55	MG	2A	3643	1/1	0.83	0.28	49,49,49,49	0
55	MG	2A	3502	1/1	0.83	0.09	69,69,69,69	0
55	MG	2A	3658	1/1	0.83	0.25	45,45,45,45	0
55	MG	1A	3563	1/1	0.83	0.37	28,28,28,28	0
55	MG	2a	1675	1/1	0.83	0.21	44,44,44,44	0
55	MG	1A	3491	1/1	0.83	0.12	21,21,21,21	0
55	MG	2A	3675	1/1	0.83	0.13	63,63,63,63	0
55	MG	2A	3289	1/1	0.83	0.11	64,64,64,64	0
55	MG	2A	3874	1/1	0.83	0.20	67,67,67,67	0
55	MG	2A	3876	1/1	0.83	0.12	38,38,38,38	0
55	MG	2U	201	1/1	0.83	0.20	55,55,55,55	0
55	MG	2A	3097	1/1	0.83	0.16	69,69,69,69	0
55	MG	1D	315	1/1	0.83	0.06	68,68,68,68	0
55	MG	2A	3303	1/1	0.83	0.12	55,55,55,55	0
55	MG	1a	1770	1/1	0.84	0.17	53,53,53,53	0
55	MG	2B	3009	1/1	0.84	0.14	72,72,72,72	0
55	MG	1a	1772	1/1	0.84	0.22	71,71,71,71	0
55	MG	2A	3177	1/1	0.84	0.06	42,42,42,42	0
55	MG	2a	1631	1/1	0.84	0.26	56,56,56,56	0
55	MG	2A	3833	1/1	0.84	0.15	44,44,44,44	0
55	MG	2A	3017	1/1	0.84	0.22	36,36,36,36	0
55	MG	1a	1775	1/1	0.84	0.12	68,68,68,68	0
55	MG	2A	3025	1/1	0.84	0.28	42,42,42,42	0
55	MG	1A	3494	1/1	0.84	0.09	28,28,28,28	0
55	MG	1A	3804	1/1	0.84	0.19	26,26,26,26	0
55	MG	1F	310	1/1	0.84	0.15	18,18,18,18	0
55	MG	2A	3881	1/1	0.84	0.14	49,49,49,49	0
55	MG	1a	1733	1/1	0.84	0.21	67,67,67,67	0
55	MG	2A	3056	1/1	0.84	0.12	54,54,54,54	0
55	MG	1a	1671	1/1	0.84	0.10	49,49,49,49	0
55	MG	1B	202	1/1	0.84	0.17	52,52,52,52	0
55	MG	2A	3908	1/1	0.84	0.10	56,56,56,56	0
55	MG	1A	3640	1/1	0.84	0.23	35,35,35,35	0
55	MG	2R	202	1/1	0.84	0.15	43,43,43,43	0
55	MG	2a	1669	1/1	0.84	0.12	56,56,56,56	0
55	MG	1a	1830	1/1	0.84	0.14	56,56,56,56	0
55	MG	1A	3279	1/1	0.84	0.16	70,70,70,70	0
55	MG	2A	3508	1/1	0.84	0.09	59,59,59,59	0
55	MG	2A	3106	1/1	0.84	0.27	43,43,43,43	0
55	MG	20	104	1/1	0.84	0.10	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3687	1/1	0.84	0.10	46,46,46,46	0
55	MG	2A	3754	1/1	0.84	0.15	39,39,39,39	0
55	MG	1A	3774	1/1	0.84	0.18	54,54,54,54	0
55	MG	2g	3001	1/1	0.84	0.17	64,64,64,64	0
55	MG	2A	3644	1/1	0.84	0.23	48,48,48,48	0
55	MG	1A	3269	1/1	0.84	0.17	49,49,49,49	0
55	MG	2A	3524	1/1	0.84	0.12	74,74,74,74	0
55	MG	1A	3780	1/1	0.84	0.17	39,39,39,39	0
55	MG	1A	3907	1/1	0.84	0.38	20,20,20,20	0
55	MG	1A	3493	1/1	0.84	0.21	44,44,44,44	0
55	MG	1A	3722	1/1	0.85	0.17	49,49,49,49	0
55	MG	2A	3749	1/1	0.85	0.08	56,56,56,56	0
55	MG	2A	3504	1/1	0.85	0.48	71,71,71,71	0
55	MG	1A	3574	1/1	0.85	0.11	49,49,49,49	0
55	MG	1A	3149	1/1	0.85	0.17	15,15,15,15	0
55	MG	2A	3640	1/1	0.85	0.07	72,72,72,72	0
55	MG	2A	3149	1/1	0.85	0.27	43,43,43,43	0
55	MG	2A	3517	1/1	0.85	0.14	48,48,48,48	0
55	MG	2A	3316	1/1	0.85	0.14	32,32,32,32	0
55	MG	2A	3779	1/1	0.85	0.08	60,60,60,60	0
55	MG	2A	3781	1/1	0.85	0.54	53,53,53,53	0
55	MG	1a	1782	1/1	0.85	0.17	68,68,68,68	0
55	MG	2A	3659	1/1	0.85	0.51	45,45,45,45	0
55	MG	1G	3002	1/1	0.85	0.11	49,49,49,49	0
55	MG	2a	1638	1/1	0.85	0.17	50,50,50,50	0
55	MG	2A	3532	1/1	0.85	0.15	56,56,56,56	0
55	MG	1a	1638	1/1	0.85	0.20	30,30,30,30	0
55	MG	2A	3031	1/1	0.85	0.16	45,45,45,45	0
55	MG	1A	3466	1/1	0.85	0.10	36,36,36,36	0
55	MG	1A	3033	1/1	0.85	0.11	49,49,49,49	0
55	MG	1a	1684	1/1	0.85	0.24	44,44,44,44	0
55	MG	1A	3061	1/1	0.85	0.08	34,34,34,34	0
55	MG	2A	3396	1/1	0.85	0.20	49,49,49,49	0
55	MG	2A	3875	1/1	0.85	0.28	102,102,102,102	0
55	MG	1a	1831	1/1	0.85	0.15	66,66,66,66	0
55	MG	2A	3232	1/1	0.85	0.11	44,44,44,44	0
55	MG	2a	1822	1/1	0.85	0.07	51,51,51,51	0
55	MG	1A	3364	1/1	0.85	0.10	54,54,54,54	0
55	MG	1D	311	1/1	0.85	0.17	43,43,43,43	0
55	MG	2A	3248	1/1	0.85	0.11	44,44,44,44	0
55	MG	1A	3485	1/1	0.85	0.43	30,30,30,30	0
55	MG	1A	3514	1/1	0.85	0.11	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3515	1/1	0.85	0.26	49,49,49,49	0
55	MG	2a	1837	1/1	0.85	0.16	51,51,51,51	0
55	MG	1a	1664	1/1	0.85	0.15	67,67,67,67	0
55	MG	1d	304	1/1	0.85	0.18	68,68,68,68	0
55	MG	20	105	1/1	0.85	0.29	62,62,62,62	0
55	MG	2a	1689	1/1	0.85	0.13	63,63,63,63	0
55	MG	2a	1690	1/1	0.85	0.17	53,53,53,53	0
55	MG	2a	1694	1/1	0.85	0.15	53,53,53,53	0
55	MG	2a	1697	1/1	0.85	0.07	66,66,66,66	0
55	MG	2a	1701	1/1	0.85	0.07	84,84,84,84	0
55	MG	2A	3123	1/1	0.85	0.15	49,49,49,49	0
55	MG	2A	3743	1/1	0.85	0.14	55,55,55,55	0
55	MG	1A	3224	1/1	0.86	0.39	32,32,32,32	0
55	MG	2a	1704	1/1	0.86	0.22	63,63,63,63	0
55	MG	2A	3916	1/1	0.86	0.24	48,48,48,48	0
55	MG	1a	1611	1/1	0.86	0.12	48,48,48,48	0
55	MG	2A	3624	1/1	0.86	0.22	56,56,56,56	0
55	MG	1A	3100	1/1	0.86	0.13	43,43,43,43	0
55	MG	1a	1659	1/1	0.86	0.25	70,70,70,70	0
55	MG	2a	1607	1/1	0.86	0.21	49,49,49,49	0
55	MG	1A	3257	1/1	0.86	0.33	54,54,54,54	0
55	MG	1a	1708	1/1	0.86	0.12	63,63,63,63	0
55	MG	2A	3130	1/1	0.86	0.17	41,41,41,41	0
55	MG	2A	3132	1/1	0.86	0.12	36,36,36,36	0
55	MG	2A	3954	1/1	0.86	0.35	36,36,36,36	0
55	MG	1a	1717	1/1	0.86	0.17	49,49,49,49	0
55	MG	2B	3003	1/1	0.86	0.27	67,67,67,67	0
55	MG	1a	1662	1/1	0.86	0.09	72,72,72,72	0
55	MG	2a	1625	1/1	0.86	0.17	59,59,59,59	0
55	MG	2A	3534	1/1	0.86	0.24	43,43,43,43	0
55	MG	1A	3949	1/1	0.86	0.38	14,14,14,14	0
55	MG	2a	1774	1/1	0.86	0.08	81,81,81,81	0
55	MG	2A	3673	1/1	0.86	0.09	58,58,58,58	0
55	MG	1U	202	1/1	0.86	0.28	27,27,27,27	0
55	MG	1a	1665	1/1	0.86	0.22	75,75,75,75	0
55	MG	2B	3015	1/1	0.86	0.07	62,62,62,62	0
55	MG	2A	3806	1/1	0.86	0.64	54,54,54,54	0
55	MG	2a	1795	1/1	0.86	0.23	53,53,53,53	0
55	MG	1a	1728	1/1	0.86	0.07	69,69,69,69	0
55	MG	2A	3819	1/1	0.86	0.34	55,55,55,55	0
55	MG	1a	1667	1/1	0.86	0.25	63,63,63,63	0
55	MG	2D	308	1/1	0.86	0.20	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	1622	1/1	0.86	0.15	59,59,59,59	0
55	MG	2A	3695	1/1	0.86	0.17	39,39,39,39	0
55	MG	2A	3179	1/1	0.86	0.23	39,39,39,39	0
55	MG	2A	3032	1/1	0.86	0.16	51,51,51,51	0
55	MG	1a	1796	1/1	0.86	0.12	57,57,57,57	0
55	MG	2A	3039	1/1	0.86	0.12	45,45,45,45	0
55	MG	2a	1665	1/1	0.86	0.17	48,48,48,48	0
55	MG	1a	1798	1/1	0.86	0.13	48,48,48,48	0
55	MG	1a	1806	1/1	0.86	0.14	74,74,74,74	0
55	MG	2a	1673	1/1	0.86	0.27	61,61,61,61	0
55	MG	1A	3952	1/1	0.86	0.17	23,23,23,23	0
55	MG	2N	202	1/1	0.86	0.06	64,64,64,64	0
55	MG	2A	3052	1/1	0.86	0.48	47,47,47,47	0
55	MG	1A	3056	1/1	0.86	0.17	50,50,50,50	0
55	MG	2S	201	1/1	0.86	0.11	46,46,46,46	0
55	MG	1A	3663	1/1	0.86	0.08	77,77,77,77	0
55	MG	1A	3054	1/1	0.86	0.16	34,34,34,34	0
55	MG	2X	101	1/1	0.86	0.23	64,64,64,64	0
55	MG	2t	202	1/1	0.86	0.42	72,72,72,72	0
55	MG	2A	3606	1/1	0.86	0.37	66,66,66,66	0
55	MG	1A	3198	1/1	0.86	0.12	67,67,67,67	0
55	MG	1D	304	1/1	0.87	0.26	34,34,34,34	0
55	MG	1A	3883	1/1	0.87	0.10	39,39,39,39	0
55	MG	1A	3646	1/1	0.87	0.14	38,38,38,38	0
55	MG	2A	3691	1/1	0.87	0.08	49,49,49,49	0
55	MG	2W	3003	1/1	0.87	0.20	43,43,43,43	0
55	MG	2a	1700	1/1	0.87	0.11	68,68,68,68	0
55	MG	2A	3882	1/1	0.87	0.22	64,64,64,64	0
55	MG	2A	3102	1/1	0.87	0.17	45,45,45,45	0
55	MG	1A	3197	1/1	0.87	0.14	21,21,21,21	0
55	MG	2A	3699	1/1	0.87	0.07	56,56,56,56	0
55	MG	2A	3546	1/1	0.87	0.11	52,52,52,52	0
55	MG	2a	1722	1/1	0.87	0.10	52,52,52,52	0
55	MG	2A	3112	1/1	0.87	0.30	32,32,32,32	0
55	MG	2A	3114	1/1	0.87	0.12	43,43,43,43	0
55	MG	29	104	1/1	0.87	0.18	75,75,75,75	0
55	MG	1a	1619	1/1	0.87	0.13	52,52,52,52	0
55	MG	2A	3118	1/1	0.87	0.17	44,44,44,44	0
55	MG	2A	3561	1/1	0.87	0.20	55,55,55,55	0
55	MG	2a	1610	1/1	0.87	0.13	79,79,79,79	0
55	MG	1A	3735	1/1	0.87	0.22	63,63,63,63	0
55	MG	1A	3372	1/1	0.87	0.08	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3411	1/1	0.87	0.28	51,51,51,51	0
55	MG	1a	1759	1/1	0.87	0.08	94,94,94,94	0
55	MG	2a	1759	1/1	0.87	0.11	84,84,84,84	0
55	MG	1A	3413	1/1	0.87	0.10	39,39,39,39	0
55	MG	2a	1767	1/1	0.87	0.27	74,74,74,74	0
55	MG	2A	3932	1/1	0.87	0.22	56,56,56,56	0
55	MG	2A	3580	1/1	0.87	0.15	60,60,60,60	0
55	MG	1a	1765	1/1	0.87	0.10	81,81,81,81	0
55	MG	2a	1777	1/1	0.87	0.19	55,55,55,55	0
55	MG	1A	3020	1/1	0.87	0.10	22,22,22,22	0
55	MG	2a	1626	1/1	0.87	0.07	53,53,53,53	0
55	MG	1N	203	1/1	0.87	0.13	55,55,55,55	0
55	MG	2A	3745	1/1	0.87	0.33	48,48,48,48	0
55	MG	1a	1774	1/1	0.87	0.23	66,66,66,66	0
55	MG	2A	3165	1/1	0.87	0.15	55,55,55,55	0
55	MG	2a	1637	1/1	0.87	0.18	47,47,47,47	0
55	MG	2A	3412	1/1	0.87	0.15	68,68,68,68	0
55	MG	1A	3513	1/1	0.87	0.08	46,46,46,46	0
55	MG	1A	3786	1/1	0.87	0.10	65,65,65,65	0
55	MG	1a	1653	1/1	0.87	0.24	43,43,43,43	0
55	MG	2A	3178	1/1	0.87	0.18	37,37,37,37	0
55	MG	1A	3084	1/1	0.87	0.11	48,48,48,48	0
55	MG	1a	1784	1/1	0.87	0.19	74,74,74,74	0
55	MG	2A	3037	1/1	0.87	0.14	39,39,39,39	0
55	MG	1A	3164	1/1	0.87	0.19	23,23,23,23	0
55	MG	2A	3040	1/1	0.87	0.38	51,51,51,51	0
55	MG	2A	3213	1/1	0.87	0.26	37,37,37,37	0
55	MG	2A	3649	1/1	0.87	0.09	26,26,26,26	0
55	MG	1a	1790	1/1	0.87	0.08	76,76,76,76	0
55	MG	2A	3653	1/1	0.87	0.20	76,76,76,76	0
55	MG	1B	210	1/1	0.87	0.09	52,52,52,52	0
55	MG	2d	503	1/1	0.87	0.12	77,77,77,77	0
55	MG	2a	1668	1/1	0.87	0.48	60,60,60,60	0
55	MG	2A	3828	1/1	0.87	0.20	88,88,88,88	0
55	MG	1A	3046	1/1	0.87	0.25	40,40,40,40	0
55	MG	2A	3842	1/1	0.87	0.13	65,65,65,65	0
55	MG	1a	1604	1/1	0.87	0.22	73,73,73,73	0
55	MG	1A	3175	1/1	0.87	0.20	50,50,50,50	0
55	MG	2a	1678	1/1	0.87	0.13	60,60,60,60	0
55	MG	1A	3267	1/1	0.87	0.15	20,20,20,20	0
55	MG	1A	3330	1/1	0.87	0.17	57,57,57,57	0
55	MG	2A	3871	1/1	0.88	0.14	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3255	1/1	0.88	0.22	35,35,35,35	0
55	MG	1A	3522	1/1	0.88	0.08	71,71,71,71	0
55	MG	1A	3058	1/1	0.88	0.13	49,49,49,49	0
55	MG	1A	3078	1/1	0.88	0.37	30,30,30,30	0
55	MG	1A	3250	1/1	0.88	0.08	44,44,44,44	0
55	MG	1A	3486	1/1	0.88	0.09	35,35,35,35	0
55	MG	2A	3284	1/1	0.88	0.10	79,79,79,79	0
55	MG	2A	3619	1/1	0.88	0.15	74,74,74,74	0
55	MG	2A	3621	1/1	0.88	0.11	62,62,62,62	0
55	MG	1a	1621	1/1	0.88	0.07	38,38,38,38	0
55	MG	2a	1656	1/1	0.88	0.13	76,76,76,76	0
55	MG	1B	226	1/1	0.88	0.08	49,49,49,49	0
55	MG	2A	3034	1/1	0.88	0.09	40,40,40,40	0
55	MG	2a	1660	1/1	0.88	0.22	42,42,42,42	0
55	MG	1a	1626	1/1	0.88	0.19	47,47,47,47	0
55	MG	1B	227	1/1	0.88	0.10	29,29,29,29	0
55	MG	1a	1744	1/1	0.88	0.26	64,64,64,64	0
55	MG	1a	1636	1/1	0.88	0.17	62,62,62,62	0
55	MG	1a	1748	1/1	0.88	0.11	86,86,86,86	0
55	MG	1B	228	1/1	0.88	0.06	53,53,53,53	0
55	MG	1a	1639	1/1	0.88	0.15	63,63,63,63	0
55	MG	1a	1751	1/1	0.88	0.06	98,98,98,98	0
55	MG	2A	3372	1/1	0.88	0.16	56,56,56,56	0
55	MG	1A	3793	1/1	0.88	0.28	36,36,36,36	0
55	MG	1A	3125	1/1	0.88	0.39	26,26,26,26	0
55	MG	1A	3489	1/1	0.88	0.06	23,23,23,23	0
55	MG	1A	3668	1/1	0.88	0.10	43,43,43,43	0
55	MG	2A	3961	1/1	0.88	0.14	52,52,52,52	0
55	MG	2A	3676	1/1	0.88	0.18	62,62,62,62	0
55	MG	2A	3081	1/1	0.88	0.21	40,40,40,40	0
55	MG	2A	3679	1/1	0.88	0.13	60,60,60,60	0
55	MG	1A	3135	1/1	0.88	0.13	22,22,22,22	0
55	MG	1A	3136	1/1	0.88	0.17	31,31,31,31	0
55	MG	2A	3684	1/1	0.88	0.13	61,61,61,61	0
55	MG	1a	1654	1/1	0.88	0.19	46,46,46,46	0
55	MG	2a	1703	1/1	0.88	0.11	60,60,60,60	0
55	MG	1a	1655	1/1	0.88	0.20	35,35,35,35	0
55	MG	1A	3138	1/1	0.88	0.15	52,52,52,52	0
55	MG	2A	3481	1/1	0.88	0.29	40,40,40,40	0
55	MG	2a	1714	1/1	0.88	0.19	55,55,55,55	0
55	MG	2A	3485	1/1	0.88	0.12	60,60,60,60	0
55	MG	2B	3020	1/1	0.88	0.09	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2B	3022	1/1	0.88	0.20	68,68,68,68	0
55	MG	1F	302	1/1	0.88	0.18	29,29,29,29	0
55	MG	2a	1735	1/1	0.88	0.09	87,87,87,87	0
55	MG	2A	3488	1/1	0.88	0.07	64,64,64,64	0
55	MG	1A	3882	1/1	0.88	0.08	56,56,56,56	0
55	MG	2D	309	1/1	0.88	0.20	47,47,47,47	0
55	MG	1A	3301	1/1	0.88	0.08	32,32,32,32	0
55	MG	2A	3720	1/1	0.88	0.16	60,60,60,60	0
55	MG	1A	3509	1/1	0.88	0.09	45,45,45,45	0
55	MG	1A	3457	1/1	0.88	0.10	41,41,41,41	0
55	MG	1A	3108	1/1	0.88	0.23	24,24,24,24	0
55	MG	1A	3910	1/1	0.88	0.19	44,44,44,44	0
55	MG	2a	1755	1/1	0.88	0.09	99,99,99,99	0
55	MG	10	106	1/1	0.88	0.08	39,39,39,39	0
55	MG	10	107	1/1	0.88	0.34	40,40,40,40	0
55	MG	1a	1794	1/1	0.88	0.14	45,45,45,45	0
55	MG	2a	1768	1/1	0.88	0.08	59,59,59,59	0
55	MG	1A	3320	1/1	0.88	0.08	44,44,44,44	0
55	MG	2A	3151	1/1	0.88	0.08	37,37,37,37	0
55	MG	2A	3152	1/1	0.88	0.20	36,36,36,36	0
55	MG	15	102	1/1	0.88	0.14	33,33,33,33	0
55	MG	2A	3528	1/1	0.88	0.07	62,62,62,62	0
55	MG	1a	1672	1/1	0.88	0.26	70,70,70,70	0
55	MG	2V	204	1/1	0.88	0.16	53,53,53,53	0
55	MG	1A	3475	1/1	0.88	0.17	37,37,37,37	0
55	MG	2A	3757	1/1	0.88	0.12	60,60,60,60	0
55	MG	2A	3536	1/1	0.88	0.16	58,58,58,58	0
55	MG	20	101	1/1	0.88	0.12	48,48,48,48	0
55	MG	1A	3946	1/1	0.88	0.13	40,40,40,40	0
55	MG	1a	1680	1/1	0.88	0.26	65,65,65,65	0
55	MG	2A	3774	1/1	0.88	0.06	49,49,49,49	0
55	MG	2A	3543	1/1	0.88	0.12	57,57,57,57	0
55	MG	18	3302	1/1	0.88	0.22	24,24,24,24	0
55	MG	1a	1683	1/1	0.88	0.16	72,72,72,72	0
55	MG	1a	1601	1/1	0.88	0.16	45,45,45,45	0
55	MG	2A	3556	1/1	0.88	0.18	65,65,65,65	0
55	MG	1A	3623	1/1	0.88	0.08	59,59,59,59	0
55	MG	2A	3198	1/1	0.88	0.10	49,49,49,49	0
55	MG	1a	1603	1/1	0.88	0.14	49,49,49,49	0
55	MG	1a	1840	1/1	0.88	0.16	81,81,81,81	0
55	MG	2a	1615	1/1	0.88	0.14	80,80,80,80	0
55	MG	1A	3739	1/1	0.88	0.14	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2a	1840	1/1	0.88	0.14	59,59,59,59	0
55	MG	1A	3742	1/1	0.88	0.10	77,77,77,77	0
55	MG	1b	3001	1/1	0.88	0.09	79,79,79,79	0
55	MG	1a	1711	1/1	0.88	0.10	72,72,72,72	0
55	MG	2f	8001	1/1	0.88	0.13	75,75,75,75	0
55	MG	2a	1620	1/1	0.88	0.10	58,58,58,58	0
55	MG	2h	3002	1/1	0.88	0.10	73,73,73,73	0
55	MG	2A	3247	1/1	0.88	0.16	48,48,48,48	0
55	MG	2a	1622	1/1	0.88	0.19	51,51,51,51	0
55	MG	1A	3743	1/1	0.88	0.19	19,19,19,19	0
55	MG	1A	3635	1/1	0.88	0.14	65,65,65,65	0
55	MG	2A	3866	1/1	0.88	0.15	49,49,49,49	0
55	MG	2A	3592	1/1	0.88	0.52	43,43,43,43	0
55	MG	2A	3868	1/1	0.88	0.21	106,106,106,106	0
55	MG	2A	3041	1/1	0.89	0.11	46,46,46,46	0
55	MG	1A	3840	1/1	0.89	0.14	36,36,36,36	0
55	MG	1a	1768	1/1	0.89	0.10	75,75,75,75	0
55	MG	1A	3700	1/1	0.89	0.07	48,48,48,48	0
55	MG	1A	3297	1/1	0.89	0.28	34,34,34,34	0
55	MG	1A	3872	1/1	0.89	0.28	86,86,86,86	0
55	MG	2B	3024	1/1	0.89	0.10	62,62,62,62	0
55	MG	2A	3059	1/1	0.89	0.18	67,67,67,67	0
55	MG	2A	3562	1/1	0.89	0.45	39,39,39,39	0
55	MG	1a	1614	1/1	0.89	0.21	75,75,75,75	0
55	MG	2a	1683	1/1	0.89	0.35	48,48,48,48	0
55	MG	2a	1684	1/1	0.89	0.26	53,53,53,53	0
55	MG	1a	1678	1/1	0.89	0.14	46,46,46,46	0
55	MG	1A	3873	1/1	0.89	0.14	20,20,20,20	0
55	MG	2A	3569	1/1	0.89	0.38	46,46,46,46	0
55	MG	1A	3096	1/1	0.89	0.16	48,48,48,48	0
55	MG	2E	306	1/1	0.89	0.07	35,35,35,35	0
55	MG	2F	301	1/1	0.89	0.09	47,47,47,47	0
55	MG	1a	1682	1/1	0.89	0.17	56,56,56,56	0
55	MG	2A	3317	1/1	0.89	0.09	45,45,45,45	0
55	MG	1A	3518	1/1	0.89	0.06	50,50,50,50	0
55	MG	1A	3083	1/1	0.89	0.78	33,33,33,33	0
55	MG	1A	3730	1/1	0.89	0.15	61,61,61,61	0
55	MG	2A	3109	1/1	0.89	0.09	43,43,43,43	0
55	MG	2A	3343	1/1	0.89	0.09	39,39,39,39	0
55	MG	1a	1697	1/1	0.89	0.12	53,53,53,53	0
55	MG	2A	3113	1/1	0.89	0.15	35,35,35,35	0
55	MG	1A	3184	1/1	0.89	0.12	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2a	1731	1/1	0.89	0.10	62,62,62,62	0
55	MG	1A	3192	1/1	0.89	0.33	31,31,31,31	0
55	MG	2a	1736	1/1	0.89	0.11	46,46,46,46	0
55	MG	2A	3393	1/1	0.89	0.08	74,74,74,74	0
55	MG	1a	1630	1/1	0.89	0.21	42,42,42,42	0
55	MG	1F	303	1/1	0.89	0.28	56,56,56,56	0
55	MG	2a	1744	1/1	0.89	0.19	72,72,72,72	0
55	MG	1A	3537	1/1	0.89	0.18	54,54,54,54	0
55	MG	1F	314	1/1	0.89	0.07	47,47,47,47	0
55	MG	1A	3104	1/1	0.89	0.30	26,26,26,26	0
55	MG	2A	3415	1/1	0.89	0.11	46,46,46,46	0
55	MG	2A	3858	1/1	0.89	0.28	51,51,51,51	0
55	MG	2A	3636	1/1	0.89	0.14	67,67,67,67	0
55	MG	2A	3417	1/1	0.89	0.25	46,46,46,46	0
55	MG	2A	3641	1/1	0.89	0.44	57,57,57,57	0
55	MG	1a	1640	1/1	0.89	0.33	58,58,58,58	0
55	MG	2a	1764	1/1	0.89	0.09	67,67,67,67	0
55	MG	2a	1765	1/1	0.89	0.16	35,35,35,35	0
55	MG	2A	3439	1/1	0.89	0.08	50,50,50,50	0
55	MG	2A	3647	1/1	0.89	0.42	37,37,37,37	0
55	MG	1a	1641	1/1	0.89	0.28	37,37,37,37	0
55	MG	2a	1609	1/1	0.89	0.10	78,78,78,78	0
55	MG	1a	1727	1/1	0.89	0.18	77,77,77,77	0
55	MG	1A	3059	1/1	0.89	0.19	51,51,51,51	0
55	MG	1A	3755	1/1	0.89	0.12	58,58,58,58	0
55	MG	1A	3143	1/1	0.89	0.09	29,29,29,29	0
55	MG	2A	3660	1/1	0.89	0.59	59,59,59,59	0
55	MG	2a	1785	1/1	0.89	0.07	77,77,77,77	0
55	MG	1A	3951	1/1	0.89	0.18	50,50,50,50	0
55	MG	1a	1734	1/1	0.89	0.14	61,61,61,61	0
55	MG	2A	3169	1/1	0.89	0.35	54,54,54,54	0
55	MG	1a	1736	1/1	0.89	0.10	42,42,42,42	0
55	MG	2a	1800	1/1	0.89	0.12	68,68,68,68	0
55	MG	1X	102	1/1	0.89	0.14	49,49,49,49	0
55	MG	10	102	1/1	0.89	0.11	36,36,36,36	0
55	MG	10	104	1/1	0.89	0.10	34,34,34,34	0
55	MG	1A	3110	1/1	0.89	0.09	40,40,40,40	0
55	MG	2A	3008	1/1	0.89	0.16	40,40,40,40	0
55	MG	2A	3509	1/1	0.89	0.08	63,63,63,63	0
55	MG	2a	1630	1/1	0.89	0.15	56,56,56,56	0
55	MG	2A	3013	1/1	0.89	0.13	31,31,31,31	0
55	MG	2A	3197	1/1	0.89	0.19	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3953	1/1	0.89	0.23	22,22,22,22	0
55	MG	2A	3933	1/1	0.89	0.10	36,36,36,36	0
55	MG	1A	3954	1/1	0.89	0.17	21,21,21,21	0
55	MG	2a	1641	1/1	0.89	0.10	95,95,95,95	0
55	MG	1A	3233	1/1	0.89	0.09	33,33,33,33	0
55	MG	2A	3942	1/1	0.89	0.06	30,30,30,30	0
55	MG	2A	3944	1/1	0.89	0.18	57,57,57,57	0
55	MG	2A	3207	1/1	0.89	0.12	58,58,58,58	0
55	MG	2A	3949	1/1	0.89	0.30	37,37,37,37	0
55	MG	2A	3951	1/1	0.89	0.17	38,38,38,38	0
55	MG	2A	3526	1/1	0.89	0.09	60,60,60,60	0
55	MG	1A	3010	1/1	0.89	0.20	32,32,32,32	0
55	MG	2A	3708	1/1	0.89	0.06	63,63,63,63	0
55	MG	1A	3451	1/1	0.89	0.14	48,48,48,48	0
55	MG	1A	3670	1/1	0.89	0.26	36,36,36,36	0
55	MG	1A	3242	1/1	0.89	0.23	40,40,40,40	0
55	MG	1A	3094	1/1	0.89	0.42	23,23,23,23	0
55	MG	1A	3695	1/1	0.89	0.09	50,50,50,50	0
55	MG	1A	3284	1/1	0.89	0.17	34,34,34,34	0
55	MG	2A	3919	1/1	0.90	0.08	122,122,122,122	0
55	MG	1a	1841	1/1	0.90	0.14	52,52,52,52	0
55	MG	2A	3924	1/1	0.90	0.34	43,43,43,43	0
55	MG	2a	1651	1/1	0.90	0.20	60,60,60,60	0
55	MG	1A	3761	1/1	0.90	0.16	30,30,30,30	0
55	MG	1A	3272	1/1	0.90	0.32	22,22,22,22	0
55	MG	1a	1737	1/1	0.90	0.10	67,67,67,67	0
55	MG	2A	3450	1/1	0.90	0.27	28,28,28,28	0
55	MG	2A	3456	1/1	0.90	0.06	62,62,62,62	0
55	MG	1A	3388	1/1	0.90	0.15	45,45,45,45	0
55	MG	1A	3119	1/1	0.90	0.10	35,35,35,35	0
55	MG	1A	3017	1/1	0.90	0.36	9,9,9,9	0
55	MG	1l	3002	1/1	0.90	0.11	62,62,62,62	0
55	MG	1A	3498	1/1	0.90	0.16	46,46,46,46	0
55	MG	2A	3948	1/1	0.90	0.16	38,38,38,38	0
55	MG	2a	1667	1/1	0.90	0.25	52,52,52,52	0
55	MG	2A	3173	1/1	0.90	0.19	69,69,69,69	0
55	MG	2A	3681	1/1	0.90	0.13	82,82,82,82	0
55	MG	2a	1671	1/1	0.90	0.22	49,49,49,49	0
55	MG	2A	3002	1/1	0.90	0.12	38,38,38,38	0
55	MG	2A	3489	1/1	0.90	0.14	38,38,38,38	0
55	MG	2A	3004	1/1	0.90	0.24	54,54,54,54	0
55	MG	2A	3971	1/1	0.90	0.12	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3783	1/1	0.90	0.14	67,67,67,67	0
55	MG	1A	3080	1/1	0.90	0.26	22,22,22,22	0
55	MG	1A	3506	1/1	0.90	0.16	44,44,44,44	0
55	MG	2A	3185	1/1	0.90	0.14	51,51,51,51	0
55	MG	1A	3800	1/1	0.90	0.08	48,48,48,48	0
55	MG	2A	3507	1/1	0.90	0.08	38,38,38,38	0
55	MG	2A	3021	1/1	0.90	0.51	44,44,44,44	0
55	MG	1A	3290	1/1	0.90	0.14	21,21,21,21	0
55	MG	2A	3709	1/1	0.90	0.10	78,78,78,78	0
55	MG	1A	3217	1/1	0.90	0.09	62,62,62,62	0
55	MG	2A	3714	1/1	0.90	0.10	50,50,50,50	0
55	MG	1A	3597	1/1	0.90	0.08	67,67,67,67	0
55	MG	2B	3023	1/1	0.90	0.22	92,92,92,92	0
55	MG	1B	218	1/1	0.90	0.12	51,51,51,51	0
55	MG	1A	3830	1/1	0.90	0.42	21,21,21,21	0
55	MG	1A	3090	1/1	0.90	0.13	22,22,22,22	0
55	MG	2a	1710	1/1	0.90	0.19	49,49,49,49	0
55	MG	2a	1713	1/1	0.90	0.07	78,78,78,78	0
55	MG	2A	3221	1/1	0.90	0.14	30,30,30,30	0
55	MG	1A	3610	1/1	0.90	0.49	30,30,30,30	0
55	MG	2a	1719	1/1	0.90	0.11	76,76,76,76	0
55	MG	2a	1721	1/1	0.90	0.18	84,84,84,84	0
55	MG	2D	313	1/1	0.90	0.34	34,34,34,34	0
55	MG	1A	3467	1/1	0.90	0.07	23,23,23,23	0
55	MG	2a	1728	1/1	0.90	0.08	79,79,79,79	0
55	MG	2A	3238	1/1	0.90	0.25	30,30,30,30	0
55	MG	2A	3533	1/1	0.90	0.09	65,65,65,65	0
55	MG	1A	3871	1/1	0.90	0.19	48,48,48,48	0
55	MG	2A	3245	1/1	0.90	0.14	54,54,54,54	0
55	MG	2F	303	1/1	0.90	0.36	40,40,40,40	0
55	MG	2F	308	1/1	0.90	0.41	34,34,34,34	0
55	MG	1a	1771	1/1	0.90	0.10	92,92,92,92	0
55	MG	1A	3065	1/1	0.90	0.12	11,11,11,11	0
55	MG	2A	3751	1/1	0.90	0.15	77,77,77,77	0
55	MG	1A	3622	1/1	0.90	0.10	57,57,57,57	0
55	MG	2A	3048	1/1	0.90	0.67	68,68,68,68	0
55	MG	2A	3548	1/1	0.90	0.18	69,69,69,69	0
55	MG	2a	1750	1/1	0.90	0.13	72,72,72,72	0
55	MG	2A	3763	1/1	0.90	0.17	61,61,61,61	0
55	MG	1A	3074	1/1	0.90	0.17	31,31,31,31	0
55	MG	1A	3877	1/1	0.90	0.09	61,61,61,61	0
55	MG	1a	1623	1/1	0.90	0.25	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2T	203	1/1	0.90	0.22	59,59,59,59	0
55	MG	2A	3058	1/1	0.90	0.13	59,59,59,59	0
55	MG	2U	202	1/1	0.90	0.34	39,39,39,39	0
55	MG	2A	3271	1/1	0.90	0.18	34,34,34,34	0
55	MG	1A	3265	1/1	0.90	0.16	43,43,43,43	0
55	MG	2A	3283	1/1	0.90	0.13	61,61,61,61	0
55	MG	1a	1690	1/1	0.90	0.18	65,65,65,65	0
55	MG	1a	1692	1/1	0.90	0.17	53,53,53,53	0
55	MG	2A	3565	1/1	0.90	0.27	33,33,33,33	0
55	MG	1A	3637	1/1	0.90	0.13	36,36,36,36	0
55	MG	1A	3176	1/1	0.90	0.17	20,20,20,20	0
55	MG	1a	1632	1/1	0.90	0.26	57,57,57,57	0
55	MG	2A	3310	1/1	0.90	0.07	69,69,69,69	0
55	MG	2A	3091	1/1	0.90	0.31	38,38,38,38	0
55	MG	2A	3586	1/1	0.90	0.18	35,35,35,35	0
55	MG	2a	1601	1/1	0.90	0.12	66,66,66,66	0
55	MG	2A	3832	1/1	0.90	0.57	39,39,39,39	0
55	MG	1a	1635	1/1	0.90	0.10	46,46,46,46	0
55	MG	1A	3178	1/1	0.90	0.18	34,34,34,34	0
55	MG	2A	3325	1/1	0.90	0.06	76,76,76,76	0
55	MG	2A	3103	1/1	0.90	0.11	40,40,40,40	0
55	MG	1A	3905	1/1	0.90	0.12	61,61,61,61	0
55	MG	1a	1810	1/1	0.90	0.13	81,81,81,81	0
55	MG	2A	3336	1/1	0.90	0.11	57,57,57,57	0
55	MG	2A	3338	1/1	0.90	0.12	51,51,51,51	0
55	MG	1A	3335	1/1	0.90	0.12	36,36,36,36	0
55	MG	1A	3909	1/1	0.90	0.08	58,58,58,58	0
55	MG	1H	202	1/1	0.90	0.10	51,51,51,51	0
55	MG	2A	3115	1/1	0.90	0.22	31,31,31,31	0
55	MG	2A	3376	1/1	0.90	0.08	58,58,58,58	0
55	MG	2A	3879	1/1	0.90	0.11	38,38,38,38	0
55	MG	1A	3749	1/1	0.90	0.10	61,61,61,61	0
55	MG	2A	3381	1/1	0.90	0.19	47,47,47,47	0
55	MG	1A	3753	1/1	0.90	0.24	49,49,49,49	0
55	MG	2d	502	1/1	0.90	0.17	48,48,48,48	0
55	MG	2A	3632	1/1	0.90	0.12	74,74,74,74	0
55	MG	1A	3754	1/1	0.90	0.15	16,16,16,16	0
55	MG	2A	3893	1/1	0.90	0.18	55,55,55,55	0
55	MG	2a	1632	1/1	0.90	0.15	55,55,55,55	0
55	MG	2a	1634	1/1	0.90	0.05	59,59,59,59	0
55	MG	2A	3395	1/1	0.90	0.07	22,22,22,22	0
55	MG	1A	3940	1/1	0.90	0.22	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3140	1/1	0.90	0.49	32,32,32,32	0
55	MG	2A	3405	1/1	0.90	0.07	51,51,51,51	0
55	MG	1a	1651	1/1	0.90	0.11	43,43,43,43	0
55	MG	2A	3141	1/1	0.90	0.08	35,35,35,35	0
55	MG	2A	3413	1/1	0.90	0.23	36,36,36,36	0
55	MG	2A	3665	1/1	0.91	0.13	38,38,38,38	0
55	MG	1A	3148	1/1	0.91	0.12	38,38,38,38	0
55	MG	1A	3495	1/1	0.91	0.21	33,33,33,33	0
55	MG	1A	3706	1/1	0.91	0.12	20,20,20,20	0
55	MG	2A	3160	1/1	0.91	0.16	41,41,41,41	0
55	MG	2A	3164	1/1	0.91	0.10	44,44,44,44	0
55	MG	1d	301	1/1	0.91	0.08	110,110,110,110	0
55	MG	1A	3086	1/1	0.91	0.19	38,38,38,38	0
55	MG	1A	3598	1/1	0.91	0.09	61,61,61,61	0
55	MG	1d	305	1/1	0.91	0.17	59,59,59,59	0
55	MG	1e	3001	1/1	0.91	0.17	36,36,36,36	0
55	MG	1g	3001	1/1	0.91	0.13	35,35,35,35	0
55	MG	2A	3689	1/1	0.91	0.14	37,37,37,37	0
55	MG	2A	3690	1/1	0.91	0.07	43,43,43,43	0
55	MG	1A	3152	1/1	0.91	0.11	37,37,37,37	0
55	MG	2a	1670	1/1	0.91	0.17	56,56,56,56	0
55	MG	2A	3493	1/1	0.91	0.13	53,53,53,53	0
55	MG	1A	3879	1/1	0.91	0.16	33,33,33,33	0
55	MG	1A	3605	1/1	0.91	0.13	44,44,44,44	0
55	MG	1H	201	1/1	0.91	0.10	47,47,47,47	0
55	MG	1a	1648	1/1	0.91	0.16	44,44,44,44	0
55	MG	2A	3005	1/1	0.91	0.18	37,37,37,37	0
55	MG	2A	3006	1/1	0.91	0.25	42,42,42,42	0
55	MG	1a	1649	1/1	0.91	0.20	47,47,47,47	0
55	MG	1A	3218	1/1	0.91	0.05	46,46,46,46	0
55	MG	2A	3206	1/1	0.91	0.18	54,54,54,54	0
55	MG	1A	3507	1/1	0.91	0.12	47,47,47,47	0
55	MG	2A	3519	1/1	0.91	0.09	51,51,51,51	0
55	MG	2B	3021	1/1	0.91	0.12	45,45,45,45	0
55	MG	1A	3900	1/1	0.91	0.11	32,32,32,32	0
55	MG	2A	3214	1/1	0.91	0.41	32,32,32,32	0
55	MG	2A	3523	1/1	0.91	0.12	38,38,38,38	0
55	MG	1A	3395	1/1	0.91	0.08	34,34,34,34	0
55	MG	2A	3230	1/1	0.91	0.10	49,49,49,49	0
55	MG	2D	306	1/1	0.91	0.08	33,33,33,33	0
55	MG	1A	3223	1/1	0.91	0.12	31,31,31,31	0
55	MG	1A	3077	1/1	0.91	0.13	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3026	1/1	0.91	0.76	36,36,36,36	0
55	MG	1A	3005	1/1	0.91	0.11	20,20,20,20	0
55	MG	1A	3029	1/1	0.91	0.06	21,21,21,21	0
55	MG	1A	3638	1/1	0.91	0.13	49,49,49,49	0
55	MG	1A	3172	1/1	0.91	0.22	52,52,52,52	0
55	MG	2A	3250	1/1	0.91	0.15	54,54,54,54	0
55	MG	1A	3240	1/1	0.91	0.38	17,17,17,17	0
55	MG	1a	1757	1/1	0.91	0.09	83,83,83,83	0
55	MG	2A	3756	1/1	0.91	0.26	49,49,49,49	0
55	MG	2a	1729	1/1	0.91	0.15	65,65,65,65	0
55	MG	2A	3258	1/1	0.91	0.24	63,63,63,63	0
55	MG	1A	3052	1/1	0.91	0.23	34,34,34,34	0
55	MG	2A	3554	1/1	0.91	0.11	67,67,67,67	0
55	MG	1a	1760	1/1	0.91	0.10	76,76,76,76	0
55	MG	1a	1761	1/1	0.91	0.07	72,72,72,72	0
55	MG	2A	3770	1/1	0.91	0.16	47,47,47,47	0
55	MG	2A	3043	1/1	0.91	0.16	35,35,35,35	0
55	MG	2R	201	1/1	0.91	0.23	48,48,48,48	0
55	MG	1a	1666	1/1	0.91	0.31	42,42,42,42	0
55	MG	2A	3272	1/1	0.91	0.07	54,54,54,54	0
55	MG	1A	3653	1/1	0.91	0.34	21,21,21,21	0
55	MG	1A	3288	1/1	0.91	0.27	7,7,7,7	0
55	MG	2a	1749	1/1	0.91	0.13	75,75,75,75	0
55	MG	2A	3783	1/1	0.91	0.14	42,42,42,42	0
55	MG	2U	203	1/1	0.91	0.09	42,42,42,42	0
55	MG	1A	3775	1/1	0.91	0.08	52,52,52,52	0
55	MG	1A	3657	1/1	0.91	0.17	32,32,32,32	0
55	MG	2A	3795	1/1	0.91	0.15	42,42,42,42	0
55	MG	1A	3245	1/1	0.91	0.10	65,65,65,65	0
55	MG	1A	3955	1/1	0.91	0.08	19,19,19,19	0
55	MG	1A	3291	1/1	0.91	0.20	45,45,45,45	0
55	MG	1a	1675	1/1	0.91	0.07	25,25,25,25	0
55	MG	2A	3818	1/1	0.91	0.10	50,50,50,50	0
55	MG	2A	3581	1/1	0.91	0.08	55,55,55,55	0
55	MG	2a	1770	1/1	0.91	0.13	72,72,72,72	0
55	MG	1a	1676	1/1	0.91	0.16	46,46,46,46	0
55	MG	2A	3587	1/1	0.91	0.13	38,38,38,38	0
55	MG	2a	1776	1/1	0.91	0.11	60,60,60,60	0
55	MG	27	101	1/1	0.91	0.12	38,38,38,38	0
55	MG	29	102	1/1	0.91	0.69	48,48,48,48	0
55	MG	1A	3246	1/1	0.91	0.05	32,32,32,32	0
55	MG	1A	3784	1/1	0.91	0.20	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	1679	1/1	0.91	0.16	46,46,46,46	0
55	MG	2A	3852	1/1	0.91	0.11	50,50,50,50	0
55	MG	1A	3667	1/1	0.91	0.11	41,41,41,41	0
55	MG	2A	3098	1/1	0.91	0.19	50,50,50,50	0
55	MG	1A	3247	1/1	0.91	0.05	41,41,41,41	0
55	MG	1a	1792	1/1	0.91	0.07	60,60,60,60	0
55	MG	2a	1612	1/1	0.91	0.19	42,42,42,42	0
55	MG	2A	3604	1/1	0.91	0.08	49,49,49,49	0
55	MG	1A	3102	1/1	0.91	0.35	39,39,39,39	0
55	MG	2A	3107	1/1	0.91	0.34	40,40,40,40	0
55	MG	1A	3022	1/1	0.91	0.18	42,42,42,42	0
55	MG	1A	3671	1/1	0.91	0.08	42,42,42,42	0
55	MG	2a	1824	1/1	0.91	0.08	65,65,65,65	0
55	MG	1a	1800	1/1	0.91	0.15	45,45,45,45	0
55	MG	1a	1804	1/1	0.91	0.09	52,52,52,52	0
55	MG	1A	3073	1/1	0.91	0.09	36,36,36,36	0
55	MG	1A	3814	1/1	0.91	0.10	41,41,41,41	0
55	MG	1A	3685	1/1	0.91	0.18	43,43,43,43	0
55	MG	1A	3189	1/1	0.91	0.33	30,30,30,30	0
55	MG	1A	3846	1/1	0.91	0.13	29,29,29,29	0
55	MG	2A	3129	1/1	0.91	0.48	33,33,33,33	0
55	MG	2A	3901	1/1	0.91	0.11	54,54,54,54	0
55	MG	1a	1629	1/1	0.91	0.23	51,51,51,51	0
55	MG	2A	3131	1/1	0.91	0.08	44,44,44,44	0
55	MG	1a	1707	1/1	0.91	0.15	54,54,54,54	0
55	MG	2A	3137	1/1	0.91	0.15	36,36,36,36	0
55	MG	2e	201	1/1	0.91	0.22	57,57,57,57	0
55	MG	1A	3855	1/1	0.91	0.14	37,37,37,37	0
55	MG	1A	3860	1/1	0.91	0.10	54,54,54,54	0
55	MG	1A	3862	1/1	0.91	0.26	42,42,42,42	0
55	MG	2A	3918	1/1	0.91	0.15	70,70,70,70	0
55	MG	1a	1634	1/1	0.91	0.12	38,38,38,38	0
55	MG	2A	3920	1/1	0.91	0.10	54,54,54,54	0
55	MG	2a	1644	1/1	0.91	0.22	46,46,46,46	0
55	MG	2A	3423	1/1	0.91	0.06	49,49,49,49	0
55	MG	1A	3041	1/1	0.91	0.14	26,26,26,26	0
55	MG	2A	3661	1/1	0.91	0.29	37,37,37,37	0
55	MG	1A	3557	1/1	0.92	0.39	32,32,32,32	0
55	MG	2A	3334	1/1	0.92	0.14	47,47,47,47	0
55	MG	2A	3884	1/1	0.92	0.07	65,65,65,65	0
55	MG	2A	3611	1/1	0.92	0.07	47,47,47,47	0
55	MG	1A	3038	1/1	0.92	0.38	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3615	1/1	0.92	0.14	70,70,70,70	0
55	MG	1A	3014	1/1	0.92	0.10	28,28,28,28	0
55	MG	2a	1639	1/1	0.92	0.34	63,63,63,63	0
55	MG	2A	3895	1/1	0.92	0.08	55,55,55,55	0
55	MG	1F	305	1/1	0.92	0.31	18,18,18,18	0
55	MG	2A	3902	1/1	0.92	0.15	87,87,87,87	0
55	MG	2A	3903	1/1	0.92	0.10	58,58,58,58	0
55	MG	2A	3363	1/1	0.92	0.10	50,50,50,50	0
55	MG	2A	3124	1/1	0.92	0.37	48,48,48,48	0
55	MG	1F	308	1/1	0.92	0.24	39,39,39,39	0
55	MG	1A	3904	1/1	0.92	0.12	36,36,36,36	0
55	MG	2A	3914	1/1	0.92	0.11	57,57,57,57	0
55	MG	2a	1653	1/1	0.92	0.14	70,70,70,70	0
55	MG	2A	3629	1/1	0.92	0.10	48,48,48,48	0
55	MG	1A	3268	1/1	0.92	0.09	32,32,32,32	0
55	MG	1a	1729	1/1	0.92	0.26	43,43,43,43	0
55	MG	1A	3570	1/1	0.92	0.12	24,24,24,24	0
55	MG	2A	3383	1/1	0.92	0.09	46,46,46,46	0
55	MG	2a	1661	1/1	0.92	0.15	60,60,60,60	0
55	MG	2A	3392	1/1	0.92	0.15	41,41,41,41	0
55	MG	1A	3144	1/1	0.92	0.13	29,29,29,29	0
55	MG	1G	3003	1/1	0.92	0.11	43,43,43,43	0
55	MG	1A	3385	1/1	0.92	0.11	47,47,47,47	0
55	MG	1A	3588	1/1	0.92	0.43	31,31,31,31	0
55	MG	2A	3397	1/1	0.92	0.17	49,49,49,49	0
55	MG	1A	3932	1/1	0.92	0.46	24,24,24,24	0
55	MG	1h	8001	1/1	0.92	0.09	64,64,64,64	0
55	MG	1A	3243	1/1	0.92	0.08	34,34,34,34	0
55	MG	1U	201	1/1	0.92	0.12	26,26,26,26	0
55	MG	2a	1672	1/1	0.92	0.29	64,64,64,64	0
55	MG	1A	3937	1/1	0.92	0.16	19,19,19,19	0
55	MG	2A	3667	1/1	0.92	0.08	89,89,89,89	0
55	MG	2A	3156	1/1	0.92	0.29	47,47,47,47	0
55	MG	2A	3669	1/1	0.92	0.10	31,31,31,31	0
55	MG	2A	3157	1/1	0.92	0.19	51,51,51,51	0
55	MG	1t	3001	1/1	0.92	0.33	69,69,69,69	0
55	MG	2A	3420	1/1	0.92	0.06	50,50,50,50	0
55	MG	2A	3959	1/1	0.92	0.53	44,44,44,44	0
55	MG	1A	3938	1/1	0.92	0.27	21,21,21,21	0
55	MG	1a	1747	1/1	0.92	0.20	36,36,36,36	0
55	MG	10	101	1/1	0.92	0.11	36,36,36,36	0
55	MG	2A	3455	1/1	0.92	0.13	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2a	1691	1/1	0.92	0.14	59,59,59,59	0
55	MG	2a	1692	1/1	0.92	0.10	61,61,61,61	0
55	MG	2B	3004	1/1	0.92	0.06	67,67,67,67	0
55	MG	1A	3501	1/1	0.92	0.15	31,31,31,31	0
55	MG	1A	3596	1/1	0.92	0.10	46,46,46,46	0
55	MG	1A	3675	1/1	0.92	0.10	44,44,44,44	0
55	MG	2A	3471	1/1	0.92	0.09	61,61,61,61	0
55	MG	1A	3271	1/1	0.92	0.27	29,29,29,29	0
55	MG	2B	3011	1/1	0.92	0.15	89,89,89,89	0
55	MG	11	102	1/1	0.92	0.09	36,36,36,36	0
55	MG	1A	3686	1/1	0.92	0.10	22,22,22,22	0
55	MG	2A	3184	1/1	0.92	0.18	42,42,42,42	0
55	MG	1A	3016	1/1	0.92	0.42	15,15,15,15	0
55	MG	2a	1716	1/1	0.92	0.08	55,55,55,55	0
55	MG	2A	3186	1/1	0.92	0.23	50,50,50,50	0
55	MG	1a	1756	1/1	0.92	0.06	75,75,75,75	0
55	MG	2A	3188	1/1	0.92	0.29	39,39,39,39	0
55	MG	2A	3189	1/1	0.92	0.21	43,43,43,43	0
55	MG	1A	3036	1/1	0.92	0.09	56,56,56,56	0
55	MG	2a	1726	1/1	0.92	0.27	46,46,46,46	0
55	MG	2A	3501	1/1	0.92	0.21	41,41,41,41	0
55	MG	1A	3812	1/1	0.92	0.12	96,96,96,96	0
55	MG	1A	3604	1/1	0.92	0.05	25,25,25,25	0
55	MG	2A	3033	1/1	0.92	0.19	44,44,44,44	0
55	MG	2a	1733	1/1	0.92	0.15	47,47,47,47	0
55	MG	19	102	1/1	0.92	0.09	50,50,50,50	0
55	MG	2A	3202	1/1	0.92	0.14	61,61,61,61	0
55	MG	2a	1737	1/1	0.92	0.10	73,73,73,73	0
55	MG	1A	3448	1/1	0.92	0.08	41,41,41,41	0
55	MG	1A	3609	1/1	0.92	0.21	63,63,63,63	0
55	MG	2E	301	1/1	0.92	0.16	63,63,63,63	0
55	MG	2A	3212	1/1	0.92	0.17	51,51,51,51	0
55	MG	2E	305	1/1	0.92	0.10	53,53,53,53	0
55	MG	1B	206	1/1	0.92	0.18	50,50,50,50	0
55	MG	2A	3518	1/1	0.92	0.10	58,58,58,58	0
55	MG	2A	3735	1/1	0.92	0.07	103,103,103,103	0
55	MG	1A	3195	1/1	0.92	0.05	34,34,34,34	0
55	MG	2A	3218	1/1	0.92	0.22	45,45,45,45	0
55	MG	1a	1673	1/1	0.92	0.18	35,35,35,35	0
55	MG	2A	3225	1/1	0.92	0.09	30,30,30,30	0
55	MG	1A	3249	1/1	0.92	0.07	24,24,24,24	0
55	MG	1a	1606	1/1	0.92	0.19	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3126	1/1	0.92	0.06	47,47,47,47	0
55	MG	1a	1609	1/1	0.92	0.06	80,80,80,80	0
55	MG	2A	3240	1/1	0.92	0.27	37,37,37,37	0
55	MG	1A	3251	1/1	0.92	0.36	16,16,16,16	0
55	MG	2A	3758	1/1	0.92	0.06	32,32,32,32	0
55	MG	2A	3243	1/1	0.92	0.39	28,28,28,28	0
55	MG	1A	3724	1/1	0.92	0.13	47,47,47,47	0
55	MG	2A	3246	1/1	0.92	0.19	56,56,56,56	0
55	MG	2A	3055	1/1	0.92	0.40	51,51,51,51	0
55	MG	1A	3159	1/1	0.92	0.26	16,16,16,16	0
55	MG	1B	225	1/1	0.92	0.10	36,36,36,36	0
55	MG	1A	3631	1/1	0.92	0.24	70,70,70,70	0
55	MG	1A	3127	1/1	0.92	0.14	34,34,34,34	0
55	MG	2A	3066	1/1	0.92	0.14	46,46,46,46	0
55	MG	2a	1784	1/1	0.92	0.05	125,125,125,125	0
55	MG	1A	3298	1/1	0.92	0.07	34,34,34,34	0
55	MG	2A	3069	1/1	0.92	0.36	36,36,36,36	0
55	MG	2A	3261	1/1	0.92	0.09	39,39,39,39	0
55	MG	2A	3560	1/1	0.92	0.09	85,85,85,85	0
55	MG	1a	1620	1/1	0.92	0.06	77,77,77,77	0
55	MG	2A	3799	1/1	0.92	0.21	72,72,72,72	0
55	MG	2A	3265	1/1	0.92	0.10	50,50,50,50	0
55	MG	25	104	1/1	0.92	0.48	33,33,33,33	0
55	MG	1A	3128	1/1	0.92	0.07	22,22,22,22	0
55	MG	2A	3804	1/1	0.92	0.07	54,54,54,54	0
55	MG	2A	3083	1/1	0.92	0.63	35,35,35,35	0
55	MG	2a	1810	1/1	0.92	0.08	105,105,105,105	0
55	MG	2a	1814	1/1	0.92	0.07	66,66,66,66	0
55	MG	2a	1817	1/1	0.92	0.14	68,68,68,68	0
55	MG	2a	1820	1/1	0.92	0.07	51,51,51,51	0
55	MG	1a	1797	1/1	0.92	0.07	72,72,72,72	0
55	MG	2A	3816	1/1	0.92	0.08	42,42,42,42	0
55	MG	2A	3088	1/1	0.92	0.12	44,44,44,44	0
55	MG	2A	3568	1/1	0.92	0.15	53,53,53,53	0
55	MG	2a	1608	1/1	0.92	0.05	88,88,88,88	0
55	MG	2A	3824	1/1	0.92	0.08	47,47,47,47	0
55	MG	1A	3876	1/1	0.92	0.09	19,19,19,19	0
55	MG	1a	1693	1/1	0.92	0.19	44,44,44,44	0
55	MG	2a	1836	1/1	0.92	0.20	46,46,46,46	0
55	MG	1D	307	1/1	0.92	0.37	24,24,24,24	0
55	MG	2A	3296	1/1	0.92	0.10	54,54,54,54	0
55	MG	2a	1614	1/1	0.92	0.16	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	1625	1/1	0.92	0.25	54,54,54,54	0
55	MG	2A	3585	1/1	0.92	0.14	65,65,65,65	0
55	MG	1a	1704	1/1	0.92	0.05	67,67,67,67	0
55	MG	1A	3048	1/1	0.92	0.49	43,43,43,43	0
55	MG	1A	3051	1/1	0.92	0.11	18,18,18,18	0
55	MG	2A	3108	1/1	0.92	0.15	50,50,50,50	0
55	MG	1a	1826	1/1	0.92	0.09	53,53,53,53	0
55	MG	2A	3110	1/1	0.92	0.13	58,58,58,58	0
55	MG	1A	3173	1/1	0.92	0.08	49,49,49,49	0
55	MG	2l	3001	1/1	0.92	0.15	45,45,45,45	0
55	MG	1A	3092	1/1	0.92	0.14	11,11,11,11	0
55	MG	2A	3329	1/1	0.92	0.09	43,43,43,43	0
55	MG	2a	1627	1/1	0.92	0.26	25,25,25,25	0
55	MG	2A	3603	1/1	0.92	0.08	59,59,59,59	0
55	MG	2a	1629	1/1	0.92	0.17	44,44,44,44	0
55	MG	1a	1715	1/1	0.92	0.09	58,58,58,58	0
55	MG	1B	221	1/1	0.93	0.06	33,33,33,33	0
55	MG	2A	3199	1/1	0.93	0.14	32,32,32,32	0
55	MG	1A	3142	1/1	0.93	0.20	44,44,44,44	0
55	MG	1A	3285	1/1	0.93	0.11	12,12,12,12	0
55	MG	2A	3670	1/1	0.93	0.14	57,57,57,57	0
55	MG	2a	1654	1/1	0.93	0.18	42,42,42,42	0
55	MG	1A	3203	1/1	0.93	0.24	34,34,34,34	0
55	MG	2A	3204	1/1	0.93	0.16	31,31,31,31	0
55	MG	2A	3935	1/1	0.93	0.19	49,49,49,49	0
55	MG	2A	3674	1/1	0.93	0.25	55,55,55,55	0
55	MG	2A	3482	1/1	0.93	0.11	50,50,50,50	0
55	MG	1a	1783	1/1	0.93	0.12	60,60,60,60	0
55	MG	1A	3209	1/1	0.93	0.40	54,54,54,54	0
55	MG	1a	1787	1/1	0.93	0.09	60,60,60,60	0
55	MG	1A	3867	1/1	0.93	0.07	48,48,48,48	0
55	MG	2A	3490	1/1	0.93	0.15	68,68,68,68	0
55	MG	2A	3950	1/1	0.93	0.14	55,55,55,55	0
55	MG	1A	3211	1/1	0.93	0.42	20,20,20,20	0
55	MG	1A	3727	1/1	0.93	0.09	39,39,39,39	0
55	MG	2A	3688	1/1	0.93	0.05	51,51,51,51	0
55	MG	2A	3960	1/1	0.93	0.12	44,44,44,44	0
55	MG	2A	3219	1/1	0.93	0.04	68,68,68,68	0
55	MG	2A	3220	1/1	0.93	0.08	58,58,58,58	0
55	MG	2A	3500	1/1	0.93	0.06	45,45,45,45	0
55	MG	1a	1689	1/1	0.93	0.23	59,59,59,59	0
55	MG	1a	1793	1/1	0.93	0.10	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3226	1/1	0.93	0.27	41,41,41,41	0
55	MG	2A	3227	1/1	0.93	0.32	49,49,49,49	0
55	MG	1D	309	1/1	0.93	0.14	27,27,27,27	0
55	MG	1a	1795	1/1	0.93	0.11	66,66,66,66	0
55	MG	2A	3065	1/1	0.93	0.05	12,12,12,12	0
55	MG	1A	3471	1/1	0.93	0.06	46,46,46,46	0
55	MG	1A	3636	1/1	0.93	0.39	40,40,40,40	0
55	MG	1A	3098	1/1	0.93	0.32	34,34,34,34	0
55	MG	1A	3174	1/1	0.93	0.18	40,40,40,40	0
55	MG	2A	3244	1/1	0.93	0.13	29,29,29,29	0
55	MG	1A	3878	1/1	0.93	0.13	49,49,49,49	0
55	MG	2a	1693	1/1	0.93	0.13	67,67,67,67	0
55	MG	1a	1805	1/1	0.93	0.07	66,66,66,66	0
55	MG	2A	3725	1/1	0.93	0.08	40,40,40,40	0
55	MG	2A	3085	1/1	0.93	0.13	52,52,52,52	0
55	MG	1A	3221	1/1	0.93	0.22	34,34,34,34	0
55	MG	2A	3249	1/1	0.93	0.06	67,67,67,67	0
55	MG	1a	1807	1/1	0.93	0.07	98,98,98,98	0
55	MG	2A	3253	1/1	0.93	0.19	56,56,56,56	0
55	MG	2D	307	1/1	0.93	0.24	41,41,41,41	0
55	MG	2A	3089	1/1	0.93	0.12	49,49,49,49	0
55	MG	2A	3741	1/1	0.93	0.11	45,45,45,45	0
55	MG	2D	312	1/1	0.93	0.14	48,48,48,48	0
55	MG	1A	3642	1/1	0.93	0.12	29,29,29,29	0
55	MG	1A	3744	1/1	0.93	0.07	29,29,29,29	0
55	MG	1F	307	1/1	0.93	0.26	25,25,25,25	0
55	MG	2A	3100	1/1	0.93	0.07	56,56,56,56	0
55	MG	2A	3747	1/1	0.93	0.15	43,43,43,43	0
55	MG	1A	3745	1/1	0.93	0.13	28,28,28,28	0
55	MG	1A	3055	1/1	0.93	0.28	36,36,36,36	0
55	MG	2A	3104	1/1	0.93	0.14	57,57,57,57	0
55	MG	1A	3751	1/1	0.93	0.17	21,21,21,21	0
55	MG	2F	304	1/1	0.93	0.15	45,45,45,45	0
55	MG	1A	3034	1/1	0.93	0.08	18,18,18,18	0
55	MG	2A	3552	1/1	0.93	0.70	40,40,40,40	0
55	MG	2a	1734	1/1	0.93	0.09	79,79,79,79	0
55	MG	2A	3553	1/1	0.93	0.07	51,51,51,51	0
55	MG	2A	3761	1/1	0.93	0.10	58,58,58,58	0
55	MG	1A	3561	1/1	0.93	0.24	18,18,18,18	0
55	MG	2A	3273	1/1	0.93	0.12	50,50,50,50	0
55	MG	1A	3655	1/1	0.93	0.42	41,41,41,41	0
55	MG	2a	1740	1/1	0.93	0.28	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	1725	1/1	0.93	0.12	47,47,47,47	0
55	MG	2a	1742	1/1	0.93	0.14	51,51,51,51	0
55	MG	1A	3760	1/1	0.93	0.14	51,51,51,51	0
55	MG	1a	1643	1/1	0.93	0.15	61,61,61,61	0
55	MG	2A	3295	1/1	0.93	0.28	32,32,32,32	0
55	MG	1A	3322	1/1	0.93	0.13	30,30,30,30	0
55	MG	2A	3297	1/1	0.93	0.10	40,40,40,40	0
55	MG	2A	3298	1/1	0.93	0.07	59,59,59,59	0
55	MG	1a	1844	1/1	0.93	0.08	70,70,70,70	0
55	MG	1A	3762	1/1	0.93	0.07	50,50,50,50	0
55	MG	1A	3914	1/1	0.93	0.05	40,40,40,40	0
55	MG	2V	201	1/1	0.93	0.16	40,40,40,40	0
55	MG	2a	1756	1/1	0.93	0.13	67,67,67,67	0
55	MG	2a	1758	1/1	0.93	0.04	75,75,75,75	0
55	MG	1R	203	1/1	0.93	0.09	31,31,31,31	0
55	MG	2W	3001	1/1	0.93	0.10	27,27,27,27	0
55	MG	1T	202	1/1	0.93	0.14	60,60,60,60	0
55	MG	2A	3125	1/1	0.93	0.18	44,44,44,44	0
55	MG	2A	3318	1/1	0.93	0.17	32,32,32,32	0
55	MG	2A	3584	1/1	0.93	0.31	33,33,33,33	0
55	MG	1A	3921	1/1	0.93	0.20	35,35,35,35	0
55	MG	1A	3003	1/1	0.93	0.08	21,21,21,21	0
55	MG	1d	306	1/1	0.93	0.06	98,98,98,98	0
55	MG	2A	3589	1/1	0.93	0.18	43,43,43,43	0
55	MG	1a	1652	1/1	0.93	0.21	41,41,41,41	0
55	MG	1f	8001	1/1	0.93	0.11	68,68,68,68	0
55	MG	2A	3135	1/1	0.93	0.09	30,30,30,30	0
55	MG	28	101	1/1	0.93	0.23	36,36,36,36	0
55	MG	2A	3831	1/1	0.93	0.07	64,64,64,64	0
55	MG	1W	3003	1/1	0.93	0.10	21,21,21,21	0
55	MG	1A	3772	1/1	0.93	0.08	41,41,41,41	0
55	MG	2a	1602	1/1	0.93	0.07	60,60,60,60	0
55	MG	2a	1788	1/1	0.93	0.12	86,86,86,86	0
55	MG	1A	3565	1/1	0.93	0.15	42,42,42,42	0
55	MG	2a	1791	1/1	0.93	0.07	47,47,47,47	0
55	MG	2a	1604	1/1	0.93	0.07	81,81,81,81	0
55	MG	2A	3341	1/1	0.93	0.14	32,32,32,32	0
55	MG	1k	3001	1/1	0.93	0.14	53,53,53,53	0
55	MG	1A	3326	1/1	0.93	0.12	32,32,32,32	0
55	MG	2A	3605	1/1	0.93	0.21	55,55,55,55	0
55	MG	1a	1658	1/1	0.93	0.24	41,41,41,41	0
55	MG	1A	3012	1/1	0.93	0.23	15,15,15,15	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3001	1/1	0.93	0.11	47,47,47,47	0
55	MG	1a	1660	1/1	0.93	0.28	57,57,57,57	0
55	MG	2A	3613	1/1	0.93	0.09	33,33,33,33	0
55	MG	2a	1816	1/1	0.93	0.07	66,66,66,66	0
55	MG	2A	3873	1/1	0.93	0.08	80,80,80,80	0
55	MG	1A	3234	1/1	0.93	0.05	66,66,66,66	0
55	MG	2A	3617	1/1	0.93	0.07	59,59,59,59	0
55	MG	1A	3586	1/1	0.93	0.22	9,9,9,9	0
55	MG	1A	3266	1/1	0.93	0.22	29,29,29,29	0
55	MG	1A	3188	1/1	0.93	0.09	33,33,33,33	0
55	MG	1A	3239	1/1	0.93	0.21	46,46,46,46	0
55	MG	2A	3010	1/1	0.93	0.24	49,49,49,49	0
55	MG	2a	1623	1/1	0.93	0.17	41,41,41,41	0
55	MG	1A	3060	1/1	0.93	0.13	22,22,22,22	0
55	MG	1A	3006	1/1	0.93	0.07	21,21,21,21	0
55	MG	2A	3630	1/1	0.93	0.10	73,73,73,73	0
55	MG	2A	3891	1/1	0.93	0.09	72,72,72,72	0
55	MG	1A	3679	1/1	0.93	0.10	36,36,36,36	0
55	MG	1A	3194	1/1	0.93	0.23	39,39,39,39	0
55	MG	1A	3397	1/1	0.93	0.05	77,77,77,77	0
55	MG	1A	3409	1/1	0.93	0.12	21,21,21,21	0
55	MG	2A	3182	1/1	0.93	0.15	49,49,49,49	0
55	MG	2A	3027	1/1	0.93	0.13	42,42,42,42	0
55	MG	2A	3030	1/1	0.93	0.23	23,23,23,23	0
55	MG	1A	3691	1/1	0.93	0.09	39,39,39,39	0
55	MG	1A	3822	1/1	0.93	0.08	50,50,50,50	0
55	MG	1A	3244	1/1	0.93	0.11	30,30,30,30	0
55	MG	2A	3654	1/1	0.93	0.12	37,37,37,37	0
55	MG	2a	1640	1/1	0.93	0.33	60,60,60,60	0
55	MG	2A	3655	1/1	0.93	0.17	53,53,53,53	0
55	MG	1A	3117	1/1	0.93	0.10	72,72,72,72	0
55	MG	1A	3021	1/1	0.93	0.16	26,26,26,26	0
55	MG	2A	3195	1/1	0.93	0.29	42,42,42,42	0
55	MG	1A	3613	1/1	0.93	0.08	53,53,53,53	0
55	MG	2A	3147	1/1	0.94	0.25	38,38,38,38	0
55	MG	2A	3330	1/1	0.94	0.08	78,78,78,78	0
55	MG	1A	3508	1/1	0.94	0.05	46,46,46,46	0
55	MG	2A	3598	1/1	0.94	0.24	34,34,34,34	0
55	MG	2a	1633	1/1	0.94	0.10	47,47,47,47	0
55	MG	1o	102	1/1	0.94	0.13	29,29,29,29	0
55	MG	2A	3601	1/1	0.94	0.12	34,34,34,34	0
55	MG	2A	3878	1/1	0.94	0.21	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3333	1/1	0.94	0.08	40,40,40,40	0
55	MG	1A	3137	1/1	0.94	0.13	33,33,33,33	0
55	MG	1A	3219	1/1	0.94	0.09	30,30,30,30	0
55	MG	1A	3147	1/1	0.94	0.30	30,30,30,30	0
55	MG	2A	3155	1/1	0.94	0.22	45,45,45,45	0
55	MG	2A	3610	1/1	0.94	0.10	35,35,35,35	0
55	MG	1A	3615	1/1	0.94	0.10	52,52,52,52	0
55	MG	1A	3419	1/1	0.94	0.11	39,39,39,39	0
55	MG	1A	3726	1/1	0.94	0.06	44,44,44,44	0
55	MG	2A	3368	1/1	0.94	0.08	51,51,51,51	0
55	MG	2A	3161	1/1	0.94	0.12	31,31,31,31	0
55	MG	2a	1648	1/1	0.94	0.15	42,42,42,42	0
55	MG	2A	3618	1/1	0.94	0.09	83,83,83,83	0
55	MG	1A	3168	1/1	0.94	0.06	31,31,31,31	0
55	MG	2A	3620	1/1	0.94	0.20	65,65,65,65	0
55	MG	1F	304	1/1	0.94	0.07	31,31,31,31	0
55	MG	2A	3168	1/1	0.94	0.22	38,38,38,38	0
55	MG	1A	3728	1/1	0.94	0.14	61,61,61,61	0
55	MG	2A	3170	1/1	0.94	0.14	48,48,48,48	0
55	MG	2A	3627	1/1	0.94	0.09	68,68,68,68	0
55	MG	2A	3385	1/1	0.94	0.07	40,40,40,40	0
55	MG	2A	3386	1/1	0.94	0.06	44,44,44,44	0
55	MG	2A	3387	1/1	0.94	0.07	35,35,35,35	0
55	MG	2A	3172	1/1	0.94	0.18	54,54,54,54	0
55	MG	1F	306	1/1	0.94	0.17	26,26,26,26	0
55	MG	2A	3639	1/1	0.94	0.08	36,36,36,36	0
55	MG	1A	3450	1/1	0.94	0.06	63,63,63,63	0
55	MG	2A	3019	1/1	0.94	0.46	40,40,40,40	0
55	MG	1A	3191	1/1	0.94	0.19	31,31,31,31	0
55	MG	1A	3624	1/1	0.94	0.07	58,58,58,58	0
55	MG	1F	311	1/1	0.94	0.18	11,11,11,11	0
55	MG	2A	3404	1/1	0.94	0.08	78,78,78,78	0
55	MG	1A	3627	1/1	0.94	0.12	62,62,62,62	0
55	MG	2A	3936	1/1	0.94	0.07	35,35,35,35	0
55	MG	2A	3938	1/1	0.94	0.27	46,46,46,46	0
55	MG	2A	3652	1/1	0.94	0.07	40,40,40,40	0
55	MG	1A	3889	1/1	0.94	0.09	34,34,34,34	0
55	MG	1A	3891	1/1	0.94	0.09	34,34,34,34	0
55	MG	1A	3897	1/1	0.94	0.07	45,45,45,45	0
55	MG	1A	3525	1/1	0.94	0.08	33,33,33,33	0
55	MG	1A	3452	1/1	0.94	0.11	40,40,40,40	0
55	MG	1A	3292	1/1	0.94	0.07	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2a	1687	1/1	0.94	0.14	67,67,67,67	0
55	MG	1a	1769	1/1	0.94	0.10	62,62,62,62	0
55	MG	1N	204	1/1	0.94	0.15	73,73,73,73	0
55	MG	2A	3426	1/1	0.94	0.05	66,66,66,66	0
55	MG	2A	3957	1/1	0.94	0.11	61,61,61,61	0
55	MG	2A	3038	1/1	0.94	0.16	46,46,46,46	0
55	MG	2A	3445	1/1	0.94	0.10	55,55,55,55	0
55	MG	2A	3448	1/1	0.94	0.06	41,41,41,41	0
55	MG	2A	3449	1/1	0.94	0.06	50,50,50,50	0
55	MG	1P	204	1/1	0.94	0.06	68,68,68,68	0
55	MG	2B	3001	1/1	0.94	0.12	51,51,51,51	0
55	MG	2a	1702	1/1	0.94	0.13	52,52,52,52	0
55	MG	2A	3451	1/1	0.94	0.07	30,30,30,30	0
55	MG	1A	3456	1/1	0.94	0.08	55,55,55,55	0
55	MG	1A	3169	1/1	0.94	0.08	46,46,46,46	0
55	MG	2A	3457	1/1	0.94	0.11	55,55,55,55	0
55	MG	1A	3639	1/1	0.94	0.12	33,33,33,33	0
55	MG	1A	3552	1/1	0.94	0.09	12,12,12,12	0
55	MG	1A	3231	1/1	0.94	0.09	40,40,40,40	0
55	MG	1U	205	1/1	0.94	0.14	22,22,22,22	0
55	MG	2A	3476	1/1	0.94	0.12	56,56,56,56	0
55	MG	2A	3049	1/1	0.94	0.18	44,44,44,44	0
55	MG	2A	3211	1/1	0.94	0.19	40,40,40,40	0
55	MG	1A	3645	1/1	0.94	0.08	45,45,45,45	0
55	MG	1A	3026	1/1	0.94	0.74	22,22,22,22	0
55	MG	2a	1725	1/1	0.94	0.09	58,58,58,58	0
55	MG	1A	3916	1/1	0.94	0.08	116,116,116,116	0
55	MG	1A	3258	1/1	0.94	0.15	38,38,38,38	0
55	MG	2A	3697	1/1	0.94	0.16	33,33,33,33	0
55	MG	10	103	1/1	0.94	0.08	45,45,45,45	0
55	MG	1A	3923	1/1	0.94	0.11	26,26,26,26	0
55	MG	2A	3702	1/1	0.94	0.21	50,50,50,50	0
55	MG	1A	3259	1/1	0.94	0.13	17,17,17,17	0
55	MG	2A	3222	1/1	0.94	0.06	42,42,42,42	0
55	MG	1A	3654	1/1	0.94	0.16	35,35,35,35	0
55	MG	2A	3497	1/1	0.94	0.08	31,31,31,31	0
55	MG	2D	311	1/1	0.94	0.18	24,24,24,24	0
55	MG	2A	3498	1/1	0.94	0.07	38,38,38,38	0
55	MG	1A	3766	1/1	0.94	0.10	24,24,24,24	0
55	MG	13	102	1/1	0.94	0.32	32,32,32,32	0
55	MG	2D	316	1/1	0.94	0.33	58,58,58,58	0
55	MG	1A	3559	1/1	0.94	0.29	15,15,15,15	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3231	1/1	0.94	0.16	59,59,59,59	0
55	MG	1A	3123	1/1	0.94	0.19	24,24,24,24	0
55	MG	2A	3233	1/1	0.94	0.18	56,56,56,56	0
55	MG	2A	3235	1/1	0.94	0.06	63,63,63,63	0
55	MG	2A	3075	1/1	0.94	0.15	50,50,50,50	0
55	MG	2A	3510	1/1	0.94	0.06	43,43,43,43	0
55	MG	15	105	1/1	0.94	0.48	36,36,36,36	0
55	MG	2F	305	1/1	0.94	0.10	45,45,45,45	0
55	MG	2A	3733	1/1	0.94	0.06	62,62,62,62	0
55	MG	1A	3324	1/1	0.94	0.07	52,52,52,52	0
55	MG	1A	3236	1/1	0.94	0.12	22,22,22,22	0
55	MG	1A	3779	1/1	0.94	0.08	17,17,17,17	0
55	MG	1A	3564	1/1	0.94	0.13	25,25,25,25	0
55	MG	1A	3237	1/1	0.94	0.07	23,23,23,23	0
55	MG	1a	1809	1/1	0.94	0.06	85,85,85,85	0
55	MG	2A	3093	1/1	0.94	0.11	37,37,37,37	0
55	MG	2N	203	1/1	0.94	0.29	90,90,90,90	0
55	MG	2A	3094	1/1	0.94	0.50	42,42,42,42	0
55	MG	2Q	204	1/1	0.94	0.14	32,32,32,32	0
55	MG	2a	1771	1/1	0.94	0.07	83,83,83,83	0
55	MG	2A	3525	1/1	0.94	0.18	33,33,33,33	0
55	MG	2A	3750	1/1	0.94	0.08	75,75,75,75	0
55	MG	1A	3196	1/1	0.94	0.18	23,23,23,23	0
55	MG	2A	3527	1/1	0.94	0.09	28,28,28,28	0
55	MG	1A	3571	1/1	0.94	0.07	55,55,55,55	0
55	MG	2A	3251	1/1	0.94	0.07	60,60,60,60	0
55	MG	2a	1781	1/1	0.94	0.06	73,73,73,73	0
55	MG	1A	3151	1/1	0.94	0.06	20,20,20,20	0
55	MG	1a	1822	1/1	0.94	0.13	74,74,74,74	0
55	MG	2A	3535	1/1	0.94	0.16	50,50,50,50	0
55	MG	2a	1786	1/1	0.94	0.18	52,52,52,52	0
55	MG	2V	203	1/1	0.94	0.08	58,58,58,58	0
55	MG	1A	3579	1/1	0.94	0.09	49,49,49,49	0
55	MG	2A	3257	1/1	0.94	0.12	47,47,47,47	0
55	MG	1B	203	1/1	0.94	0.22	46,46,46,46	0
55	MG	1A	3796	1/1	0.94	0.14	33,33,33,33	0
55	MG	1A	3042	1/1	0.94	0.21	1,1,1,1	0
55	MG	2a	1797	1/1	0.94	0.07	75,75,75,75	0
55	MG	1B	207	1/1	0.94	0.27	41,41,41,41	0
55	MG	1B	208	1/1	0.94	0.10	41,41,41,41	0
55	MG	2a	1803	1/1	0.94	0.17	81,81,81,81	0
55	MG	1A	3672	1/1	0.94	0.06	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3551	1/1	0.94	0.10	60,60,60,60	0
55	MG	1A	3336	1/1	0.94	0.11	37,37,37,37	0
55	MG	2A	3270	1/1	0.94	0.27	45,45,45,45	0
55	MG	1A	3357	1/1	0.94	0.15	40,40,40,40	0
55	MG	1a	1713	1/1	0.94	0.10	36,36,36,36	0
55	MG	1a	1843	1/1	0.94	0.11	57,57,57,57	0
55	MG	2A	3796	1/1	0.94	0.10	79,79,79,79	0
55	MG	1a	1617	1/1	0.94	0.08	93,93,93,93	0
55	MG	1A	3201	1/1	0.94	0.24	29,29,29,29	0
55	MG	2A	3119	1/1	0.94	0.15	35,35,35,35	0
55	MG	2A	3286	1/1	0.94	0.06	61,61,61,61	0
55	MG	1A	3156	1/1	0.94	0.04	20,20,20,20	0
55	MG	2a	1605	1/1	0.94	0.21	82,82,82,82	0
55	MG	1A	3593	1/1	0.94	0.08	48,48,48,48	0
55	MG	2A	3814	1/1	0.94	0.07	92,92,92,92	0
55	MG	1A	3063	1/1	0.94	0.11	41,41,41,41	0
55	MG	1B	224	1/1	0.94	0.11	63,63,63,63	0
55	MG	2A	3127	1/1	0.94	0.24	29,29,29,29	0
55	MG	1A	3161	1/1	0.94	0.20	26,26,26,26	0
55	MG	1a	1624	1/1	0.94	0.18	49,49,49,49	0
55	MG	1A	3215	1/1	0.94	0.13	23,23,23,23	0
55	MG	2b	3001	1/1	0.94	0.14	68,68,68,68	0
55	MG	2A	3309	1/1	0.94	0.06	41,41,41,41	0
55	MG	1A	3179	1/1	0.94	0.29	51,51,51,51	0
55	MG	2A	3834	1/1	0.94	0.12	26,26,26,26	0
55	MG	2A	3840	1/1	0.94	0.10	39,39,39,39	0
55	MG	2A	3133	1/1	0.94	0.11	28,28,28,28	0
55	MG	2A	3845	1/1	0.94	0.38	42,42,42,42	0
55	MG	1a	1627	1/1	0.94	0.08	46,46,46,46	0
55	MG	1A	3857	1/1	0.94	0.14	52,52,52,52	0
55	MG	2A	3856	1/1	0.94	0.20	47,47,47,47	0
55	MG	1A	3398	1/1	0.94	0.06	55,55,55,55	0
55	MG	2A	3321	1/1	0.94	0.13	30,30,30,30	0
55	MG	2o	102	1/1	0.94	0.07	38,38,38,38	0
55	MG	2A	3860	1/1	0.94	0.16	58,58,58,58	0
55	MG	2A	3322	1/1	0.94	0.07	62,62,62,62	0
55	MG	1A	3705	1/1	0.94	0.11	58,58,58,58	0
55	MG	1A	3863	1/1	0.94	0.08	66,66,66,66	0
55	MG	2A	3158	1/1	0.95	0.21	37,37,37,37	0
55	MG	2A	3864	1/1	0.95	0.15	47,47,47,47	0
55	MG	1A	3858	1/1	0.95	0.10	51,51,51,51	0
55	MG	1A	3165	1/1	0.95	0.42	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3163	1/1	0.95	0.20	38,38,38,38	0
55	MG	2A	3870	1/1	0.95	0.12	48,48,48,48	0
55	MG	1A	3698	1/1	0.95	0.04	25,25,25,25	0
55	MG	1A	3166	1/1	0.95	0.24	33,33,33,33	0
55	MG	2A	3166	1/1	0.95	0.27	36,36,36,36	0
55	MG	1D	306	1/1	0.95	0.08	17,17,17,17	0
55	MG	1A	3337	1/1	0.95	0.09	25,25,25,25	0
55	MG	1a	1739	1/1	0.95	0.07	67,67,67,67	0
55	MG	1A	3213	1/1	0.95	0.12	29,29,29,29	0
55	MG	1A	3214	1/1	0.95	0.31	22,22,22,22	0
55	MG	1D	312	1/1	0.95	0.07	24,24,24,24	0
55	MG	1D	313	1/1	0.95	0.19	24,24,24,24	0
55	MG	2A	3883	1/1	0.95	0.11	71,71,71,71	0
55	MG	1A	3714	1/1	0.95	0.10	26,26,26,26	0
55	MG	1A	3716	1/1	0.95	0.05	23,23,23,23	0
55	MG	1A	3134	1/1	0.95	0.19	24,24,24,24	0
55	MG	2A	3181	1/1	0.95	0.16	36,36,36,36	0
55	MG	1E	302	1/1	0.95	0.22	18,18,18,18	0
55	MG	1a	1637	1/1	0.95	0.33	57,57,57,57	0
55	MG	1A	3376	1/1	0.95	0.12	26,26,26,26	0
55	MG	2A	3409	1/1	0.95	0.09	46,46,46,46	0
55	MG	2A	3411	1/1	0.95	0.07	49,49,49,49	0
55	MG	1A	3032	1/1	0.95	0.21	30,30,30,30	0
55	MG	1A	3611	1/1	0.95	0.08	60,60,60,60	0
55	MG	1A	3101	1/1	0.95	0.13	24,24,24,24	0
55	MG	1A	3393	1/1	0.95	0.10	34,34,34,34	0
55	MG	2A	3191	1/1	0.95	0.12	45,45,45,45	0
55	MG	2A	3193	1/1	0.95	0.16	45,45,45,45	0
55	MG	1A	3171	1/1	0.95	0.15	24,24,24,24	0
55	MG	2A	3645	1/1	0.95	0.08	33,33,33,33	0
55	MG	1a	1758	1/1	0.95	0.07	99,99,99,99	0
55	MG	2A	3432	1/1	0.95	0.06	38,38,38,38	0
55	MG	2A	3434	1/1	0.95	0.07	39,39,39,39	0
55	MG	1A	3619	1/1	0.95	0.08	45,45,45,45	0
55	MG	2A	3921	1/1	0.95	0.21	40,40,40,40	0
55	MG	1A	3220	1/1	0.95	0.14	27,27,27,27	0
55	MG	1A	3045	1/1	0.95	0.11	13,13,13,13	0
55	MG	2A	3928	1/1	0.95	0.18	35,35,35,35	0
55	MG	1A	3896	1/1	0.95	0.10	35,35,35,35	0
55	MG	1A	3103	1/1	0.95	0.18	29,29,29,29	0
55	MG	1A	3736	1/1	0.95	0.10	33,33,33,33	0
55	MG	2A	3453	1/1	0.95	0.13	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3454	1/1	0.95	0.04	38,38,38,38	0
55	MG	2A	3662	1/1	0.95	0.09	46,46,46,46	0
55	MG	2A	3664	1/1	0.95	0.11	51,51,51,51	0
55	MG	2A	3937	1/1	0.95	0.09	40,40,40,40	0
55	MG	2A	3203	1/1	0.95	0.10	36,36,36,36	0
55	MG	1A	3024	1/1	0.95	0.09	19,19,19,19	0
55	MG	1A	3226	1/1	0.95	0.09	27,27,27,27	0
55	MG	2A	3461	1/1	0.95	0.07	88,88,88,88	0
55	MG	2A	3046	1/1	0.95	0.22	50,50,50,50	0
55	MG	2A	3466	1/1	0.95	0.07	37,37,37,37	0
55	MG	2A	3947	1/1	0.95	0.17	33,33,33,33	0
55	MG	2a	1681	1/1	0.95	0.15	54,54,54,54	0
55	MG	2A	3467	1/1	0.95	0.09	30,30,30,30	0
55	MG	2A	3209	1/1	0.95	0.39	36,36,36,36	0
55	MG	1A	3414	1/1	0.95	0.07	29,29,29,29	0
55	MG	1A	3530	1/1	0.95	0.08	53,53,53,53	0
55	MG	2A	3952	1/1	0.95	0.10	27,27,27,27	0
55	MG	1N	201	1/1	0.95	0.10	39,39,39,39	0
55	MG	2A	3955	1/1	0.95	0.17	46,46,46,46	0
55	MG	2A	3678	1/1	0.95	0.17	53,53,53,53	0
55	MG	2A	3958	1/1	0.95	0.10	59,59,59,59	0
55	MG	2A	3477	1/1	0.95	0.06	32,32,32,32	0
55	MG	1A	3227	1/1	0.95	0.23	28,28,28,28	0
55	MG	1a	1776	1/1	0.95	0.06	66,66,66,66	0
55	MG	2A	3963	1/1	0.95	0.14	64,64,64,64	0
55	MG	2A	3682	1/1	0.95	0.07	49,49,49,49	0
55	MG	2A	3965	1/1	0.95	0.14	42,42,42,42	0
55	MG	2A	3967	1/1	0.95	0.46	48,48,48,48	0
55	MG	2A	3969	1/1	0.95	0.36	53,53,53,53	0
55	MG	2A	3970	1/1	0.95	0.18	54,54,54,54	0
55	MG	2A	3484	1/1	0.95	0.06	25,25,25,25	0
55	MG	1a	1657	1/1	0.95	0.05	67,67,67,67	0
55	MG	2A	3685	1/1	0.95	0.08	56,56,56,56	0
55	MG	1A	3082	1/1	0.95	0.48	32,32,32,32	0
55	MG	1a	1781	1/1	0.95	0.07	63,63,63,63	0
55	MG	1P	203	1/1	0.95	0.31	9,9,9,9	0
55	MG	2a	1718	1/1	0.95	0.06	38,38,38,38	0
55	MG	2A	3060	1/1	0.95	0.15	26,26,26,26	0
55	MG	1A	3543	1/1	0.95	0.15	52,52,52,52	0
55	MG	2A	3063	1/1	0.95	0.07	32,32,32,32	0
55	MG	2A	3696	1/1	0.95	0.09	48,48,48,48	0
55	MG	2A	3064	1/1	0.95	0.09	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3015	1/1	0.95	0.30	33,33,33,33	0
55	MG	1a	1785	1/1	0.95	0.08	96,96,96,96	0
55	MG	1A	3546	1/1	0.95	0.08	48,48,48,48	0
55	MG	2B	3018	1/1	0.95	0.07	70,70,70,70	0
55	MG	2A	3499	1/1	0.95	0.20	28,28,28,28	0
55	MG	1a	1788	1/1	0.95	0.05	70,70,70,70	0
55	MG	2A	3705	1/1	0.95	0.10	54,54,54,54	0
55	MG	1R	204	1/1	0.95	0.06	19,19,19,19	0
55	MG	1A	3915	1/1	0.95	0.12	63,63,63,63	0
55	MG	2A	3080	1/1	0.95	0.19	55,55,55,55	0
55	MG	1A	3549	1/1	0.95	0.12	40,40,40,40	0
55	MG	2D	301	1/1	0.95	0.15	46,46,46,46	0
55	MG	2D	303	1/1	0.95	0.29	41,41,41,41	0
55	MG	2A	3082	1/1	0.95	0.09	50,50,50,50	0
55	MG	1A	3759	1/1	0.95	0.07	28,28,28,28	0
55	MG	1A	3643	1/1	0.95	0.14	40,40,40,40	0
55	MG	2A	3722	1/1	0.95	0.07	63,63,63,63	0
55	MG	2D	310	1/1	0.95	0.17	40,40,40,40	0
55	MG	1V	202	1/1	0.95	0.18	19,19,19,19	0
55	MG	2A	3512	1/1	0.95	0.09	50,50,50,50	0
55	MG	1A	3930	1/1	0.95	0.14	36,36,36,36	0
55	MG	2D	314	1/1	0.95	0.05	50,50,50,50	0
55	MG	1X	101	1/1	0.95	0.10	32,32,32,32	0
55	MG	1A	3009	1/1	0.95	0.11	19,19,19,19	0
55	MG	1A	3146	1/1	0.95	0.14	22,22,22,22	0
55	MG	1A	3649	1/1	0.95	0.09	40,40,40,40	0
55	MG	2a	1757	1/1	0.95	0.08	69,69,69,69	0
55	MG	2A	3252	1/1	0.95	0.15	53,53,53,53	0
55	MG	1a	1801	1/1	0.95	0.05	69,69,69,69	0
55	MG	1A	3181	1/1	0.95	0.18	34,34,34,34	0
55	MG	1A	3183	1/1	0.95	0.33	39,39,39,39	0
55	MG	1A	3943	1/1	0.95	0.22	34,34,34,34	0
55	MG	1A	3114	1/1	0.95	0.14	18,18,18,18	0
55	MG	1A	3187	1/1	0.95	0.17	28,28,28,28	0
55	MG	2F	306	1/1	0.95	0.22	34,34,34,34	0
55	MG	2F	307	1/1	0.95	0.13	30,30,30,30	0
55	MG	2A	3746	1/1	0.95	0.16	63,63,63,63	0
55	MG	2F	309	1/1	0.95	0.34	42,42,42,42	0
55	MG	1A	3950	1/1	0.95	0.13	10,10,10,10	0
55	MG	1A	3050	1/1	0.95	0.18	29,29,29,29	0
55	MG	1A	3470	1/1	0.95	0.09	20,20,20,20	0
55	MG	15	103	1/1	0.95	0.07	19,19,19,19	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3266	1/1	0.95	0.18	41,41,41,41	0
55	MG	1a	1825	1/1	0.95	0.08	71,71,71,71	0
55	MG	1A	3007	1/1	0.95	0.11	26,26,26,26	0
55	MG	15	106	1/1	0.95	0.07	50,50,50,50	0
55	MG	2P	201	1/1	0.95	0.30	31,31,31,31	0
55	MG	1A	3150	1/1	0.95	0.14	41,41,41,41	0
55	MG	1A	3067	1/1	0.95	0.25	27,27,27,27	0
55	MG	2A	3274	1/1	0.95	0.23	51,51,51,51	0
55	MG	1a	1832	1/1	0.95	0.07	104,104,104,104	0
55	MG	2A	3117	1/1	0.95	0.19	36,36,36,36	0
55	MG	2T	202	1/1	0.95	0.06	56,56,56,56	0
55	MG	1a	1833	1/1	0.95	0.12	98,98,98,98	0
55	MG	1a	1834	1/1	0.95	0.06	60,60,60,60	0
55	MG	2A	3120	1/1	0.95	0.08	54,54,54,54	0
55	MG	2A	3121	1/1	0.95	0.10	60,60,60,60	0
55	MG	2a	1802	1/1	0.95	0.09	95,95,95,95	0
55	MG	2A	3555	1/1	0.95	0.10	54,54,54,54	0
55	MG	2A	3122	1/1	0.95	0.07	44,44,44,44	0
55	MG	2A	3780	1/1	0.95	0.06	29,29,29,29	0
55	MG	1A	3956	1/1	0.95	0.14	21,21,21,21	0
55	MG	2A	3782	1/1	0.95	0.07	58,58,58,58	0
55	MG	1A	3566	1/1	0.95	0.06	52,52,52,52	0
55	MG	19	104	1/1	0.95	0.07	58,58,58,58	0
55	MG	1a	1694	1/1	0.95	0.11	48,48,48,48	0
55	MG	1A	3476	1/1	0.95	0.11	41,41,41,41	0
55	MG	1A	3478	1/1	0.95	0.05	36,36,36,36	0
55	MG	1A	3091	1/1	0.95	0.20	18,18,18,18	0
55	MG	1B	205	1/1	0.95	0.07	49,49,49,49	0
55	MG	1A	3039	1/1	0.95	0.14	35,35,35,35	0
55	MG	25	102	1/1	0.95	0.18	41,41,41,41	0
55	MG	1A	3583	1/1	0.95	0.07	21,21,21,21	0
55	MG	1A	3802	1/1	0.95	0.08	26,26,26,26	0
55	MG	1A	3040	1/1	0.95	0.14	39,39,39,39	0
55	MG	27	102	1/1	0.95	0.06	48,48,48,48	0
55	MG	2A	3140	1/1	0.95	0.07	51,51,51,51	0
55	MG	29	101	1/1	0.95	0.06	46,46,46,46	0
55	MG	2A	3815	1/1	0.95	0.12	47,47,47,47	0
55	MG	2a	1839	1/1	0.95	0.11	62,62,62,62	0
55	MG	1a	1610	1/1	0.95	0.13	33,33,33,33	0
55	MG	1a	1716	1/1	0.95	0.04	71,71,71,71	0
55	MG	1A	3075	1/1	0.95	0.34	21,21,21,21	0
55	MG	1A	3676	1/1	0.95	0.06	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3148	1/1	0.95	0.11	35,35,35,35	0
55	MG	1A	3677	1/1	0.95	0.12	57,57,57,57	0
55	MG	1A	3162	1/1	0.95	0.12	45,45,45,45	0
55	MG	1A	3681	1/1	0.95	0.10	38,38,38,38	0
55	MG	1A	3031	1/1	0.95	0.08	22,22,22,22	0
55	MG	2h	3001	1/1	0.95	0.09	43,43,43,43	0
55	MG	2A	3837	1/1	0.95	0.07	42,42,42,42	0
55	MG	1A	3131	1/1	0.95	0.07	19,19,19,19	0
55	MG	2A	3593	1/1	0.95	0.15	37,37,37,37	0
55	MG	1l	3001	1/1	0.95	0.16	59,59,59,59	0
55	MG	2A	3848	1/1	0.95	0.09	40,40,40,40	0
55	MG	2A	3342	1/1	0.95	0.08	45,45,45,45	0
55	MG	1A	3591	1/1	0.95	0.18	60,60,60,60	0
55	MG	2A	3347	1/1	0.95	0.09	44,44,44,44	0
55	MG	1A	3207	1/1	0.95	0.32	27,27,27,27	0
55	MG	2A	3600	1/1	0.95	0.06	29,29,29,29	0
56	ZN	24	501	1/1	0.95	0.09	150,150,150,150	0
55	MG	1A	3070	1/1	0.96	0.20	24,24,24,24	0
55	MG	1A	3756	1/1	0.96	0.06	14,14,14,14	0
55	MG	23	101	1/1	0.96	0.32	56,56,56,56	0
55	MG	1A	3529	1/1	0.96	0.14	34,34,34,34	0
55	MG	2A	3057	1/1	0.96	0.12	24,24,24,24	0
55	MG	1A	3133	1/1	0.96	0.27	47,47,47,47	0
55	MG	1A	3105	1/1	0.96	0.29	33,33,33,33	0
55	MG	1A	3536	1/1	0.96	0.07	40,40,40,40	0
55	MG	1A	3107	1/1	0.96	0.07	20,20,20,20	0
55	MG	2A	3062	1/1	0.96	0.24	40,40,40,40	0
55	MG	1A	3538	1/1	0.96	0.08	48,48,48,48	0
55	MG	2A	3786	1/1	0.96	0.12	50,50,50,50	0
55	MG	1A	3768	1/1	0.96	0.06	25,25,25,25	0
55	MG	2A	3789	1/1	0.96	0.08	41,41,41,41	0
55	MG	2A	3791	1/1	0.96	0.05	63,63,63,63	0
55	MG	2A	3531	1/1	0.96	0.05	51,51,51,51	0
55	MG	1a	1764	1/1	0.96	0.04	75,75,75,75	0
55	MG	1A	3539	1/1	0.96	0.06	17,17,17,17	0
55	MG	1a	1766	1/1	0.96	0.04	62,62,62,62	0
55	MG	1a	1628	1/1	0.96	0.20	38,38,38,38	0
55	MG	2A	3070	1/1	0.96	0.12	37,37,37,37	0
55	MG	2A	3537	1/1	0.96	0.11	65,65,65,65	0
55	MG	2A	3808	1/1	0.96	0.07	48,48,48,48	0
55	MG	2A	3072	1/1	0.96	0.06	39,39,39,39	0
55	MG	2A	3541	1/1	0.96	0.10	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3442	1/1	0.96	0.06	25,25,25,25	0
55	MG	1A	3647	1/1	0.96	0.04	28,28,28,28	0
55	MG	2A	3256	1/1	0.96	0.10	45,45,45,45	0
55	MG	1A	3777	1/1	0.96	0.07	57,57,57,57	0
55	MG	1A	3446	1/1	0.96	0.05	76,76,76,76	0
55	MG	1a	1773	1/1	0.96	0.11	43,43,43,43	0
55	MG	1a	1633	1/1	0.96	0.08	34,34,34,34	0
55	MG	1A	3072	1/1	0.96	0.12	37,37,37,37	0
55	MG	1A	3449	1/1	0.96	0.06	45,45,45,45	0
55	MG	2A	3263	1/1	0.96	0.10	44,44,44,44	0
55	MG	2A	3087	1/1	0.96	0.17	43,43,43,43	0
55	MG	1A	3551	1/1	0.96	0.19	47,47,47,47	0
55	MG	2A	3267	1/1	0.96	0.15	44,44,44,44	0
55	MG	1A	3199	1/1	0.96	0.11	44,44,44,44	0
55	MG	2A	3090	1/1	0.96	0.10	46,46,46,46	0
55	MG	1A	3167	1/1	0.96	0.15	33,33,33,33	0
55	MG	2A	3850	1/1	0.96	0.10	81,81,81,81	0
55	MG	1B	219	1/1	0.96	0.06	51,51,51,51	0
55	MG	2A	3854	1/1	0.96	0.05	35,35,35,35	0
55	MG	1A	3109	1/1	0.96	0.05	19,19,19,19	0
55	MG	2A	3095	1/1	0.96	0.11	17,17,17,17	0
55	MG	2A	3276	1/1	0.96	0.07	41,41,41,41	0
55	MG	2A	3859	1/1	0.96	0.14	62,62,62,62	0
55	MG	2A	3566	1/1	0.96	0.11	26,26,26,26	0
55	MG	2A	3277	1/1	0.96	0.17	39,39,39,39	0
55	MG	2A	3865	1/1	0.96	0.07	56,56,56,56	0
55	MG	1A	3658	1/1	0.96	0.06	27,27,27,27	0
55	MG	2A	3282	1/1	0.96	0.12	41,41,41,41	0
55	MG	1A	3453	1/1	0.96	0.06	36,36,36,36	0
55	MG	1A	3798	1/1	0.96	0.10	60,60,60,60	0
55	MG	2A	3573	1/1	0.96	0.09	27,27,27,27	0
55	MG	2A	3101	1/1	0.96	0.26	36,36,36,36	0
55	MG	1A	3204	1/1	0.96	0.08	31,31,31,31	0
55	MG	2A	3294	1/1	0.96	0.06	77,77,77,77	0
55	MG	1A	3206	1/1	0.96	0.33	18,18,18,18	0
55	MG	1a	1646	1/1	0.96	0.22	47,47,47,47	0
55	MG	2a	1650	1/1	0.96	0.23	51,51,51,51	0
55	MG	1A	3665	1/1	0.96	0.11	23,23,23,23	0
55	MG	1A	3666	1/1	0.96	0.05	42,42,42,42	0
55	MG	1A	3305	1/1	0.96	0.12	47,47,47,47	0
55	MG	1A	3089	1/1	0.96	0.45	26,26,26,26	0
55	MG	1A	3314	1/1	0.96	0.05	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3304	1/1	0.96	0.06	51,51,51,51	0
55	MG	2A	3306	1/1	0.96	0.06	46,46,46,46	0
55	MG	2A	3886	1/1	0.96	0.06	55,55,55,55	0
55	MG	2A	3111	1/1	0.96	0.14	44,44,44,44	0
55	MG	1A	3818	1/1	0.96	0.10	40,40,40,40	0
55	MG	2A	3311	1/1	0.96	0.08	66,66,66,66	0
55	MG	2A	3892	1/1	0.96	0.10	61,61,61,61	0
55	MG	1A	3111	1/1	0.96	0.11	29,29,29,29	0
55	MG	2A	3894	1/1	0.96	0.10	38,38,38,38	0
55	MG	1A	3823	1/1	0.96	0.10	60,60,60,60	0
55	MG	2A	3896	1/1	0.96	0.13	45,45,45,45	0
55	MG	2A	3900	1/1	0.96	0.16	69,69,69,69	0
55	MG	1D	314	1/1	0.96	0.06	42,42,42,42	0
55	MG	2A	3602	1/1	0.96	0.09	53,53,53,53	0
55	MG	1A	3210	1/1	0.96	0.16	28,28,28,28	0
55	MG	2A	3906	1/1	0.96	0.11	79,79,79,79	0
55	MG	1a	1802	1/1	0.96	0.05	67,67,67,67	0
55	MG	2a	1674	1/1	0.96	0.13	31,31,31,31	0
55	MG	1a	1803	1/1	0.96	0.08	40,40,40,40	0
55	MG	2A	3910	1/1	0.96	0.13	37,37,37,37	0
55	MG	2A	3324	1/1	0.96	0.04	28,28,28,28	0
55	MG	1A	3141	1/1	0.96	0.14	36,36,36,36	0
55	MG	2A	3609	1/1	0.96	0.12	64,64,64,64	0
55	MG	1A	3843	1/1	0.96	0.35	25,25,25,25	0
55	MG	1A	3023	1/1	0.96	0.19	33,33,33,33	0
55	MG	1A	3848	1/1	0.96	0.12	63,63,63,63	0
55	MG	1A	3852	1/1	0.96	0.06	29,29,29,29	0
55	MG	2a	1686	1/1	0.96	0.04	78,78,78,78	0
55	MG	1A	3854	1/1	0.96	0.18	38,38,38,38	0
55	MG	1A	3057	1/1	0.96	0.18	16,16,16,16	0
55	MG	1A	3477	1/1	0.96	0.08	8,8,8,8	0
55	MG	2A	3335	1/1	0.96	0.06	77,77,77,77	0
55	MG	1a	1814	1/1	0.96	0.11	54,54,54,54	0
55	MG	2A	3926	1/1	0.96	0.08	50,50,50,50	0
55	MG	1A	3116	1/1	0.96	0.10	35,35,35,35	0
55	MG	1a	1823	1/1	0.96	0.15	51,51,51,51	0
55	MG	1A	3580	1/1	0.96	0.06	26,26,26,26	0
55	MG	1A	3582	1/1	0.96	0.08	14,14,14,14	0
55	MG	1A	3019	1/1	0.96	0.26	15,15,15,15	0
55	MG	1A	3118	1/1	0.96	0.05	35,35,35,35	0
55	MG	1A	3484	1/1	0.96	0.14	38,38,38,38	0
55	MG	2A	3367	1/1	0.96	0.05	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3631	1/1	0.96	0.04	75,75,75,75	0
55	MG	2a	1706	1/1	0.96	0.06	58,58,58,58	0
55	MG	1A	3866	1/1	0.96	0.09	79,79,79,79	0
55	MG	1A	3587	1/1	0.96	0.17	29,29,29,29	0
55	MG	2A	3637	1/1	0.96	0.08	39,39,39,39	0
55	MG	1A	3869	1/1	0.96	0.07	38,38,38,38	0
55	MG	2A	3943	1/1	0.96	0.10	38,38,38,38	0
55	MG	2A	3144	1/1	0.96	0.35	33,33,33,33	0
55	MG	2A	3145	1/1	0.96	0.12	42,42,42,42	0
55	MG	1A	3870	1/1	0.96	0.12	47,47,47,47	0
55	MG	2a	1720	1/1	0.96	0.13	60,60,60,60	0
55	MG	2A	3382	1/1	0.96	0.12	37,37,37,37	0
55	MG	1A	3692	1/1	0.96	0.07	29,29,29,29	0
55	MG	2a	1723	1/1	0.96	0.06	73,73,73,73	0
55	MG	1A	3693	1/1	0.96	0.08	20,20,20,20	0
55	MG	1A	3177	1/1	0.96	0.11	46,46,46,46	0
55	MG	1A	3697	1/1	0.96	0.09	37,37,37,37	0
55	MG	2a	1727	1/1	0.96	0.06	62,62,62,62	0
55	MG	2A	3953	1/1	0.96	0.17	48,48,48,48	0
55	MG	2A	3651	1/1	0.96	0.08	47,47,47,47	0
55	MG	2A	3388	1/1	0.96	0.06	56,56,56,56	0
55	MG	2A	3389	1/1	0.96	0.08	25,25,25,25	0
55	MG	1A	3049	1/1	0.96	0.10	22,22,22,22	0
55	MG	1A	3487	1/1	0.96	0.11	21,21,21,21	0
55	MG	1A	3008	1/1	0.96	0.15	32,32,32,32	0
55	MG	2A	3154	1/1	0.96	0.06	44,44,44,44	0
55	MG	2A	3962	1/1	0.96	0.12	32,32,32,32	0
55	MG	1Q	204	1/1	0.96	0.06	28,28,28,28	0
55	MG	1A	3359	1/1	0.96	0.03	46,46,46,46	0
55	MG	2A	3398	1/1	0.96	0.10	47,47,47,47	0
55	MG	1A	3880	1/1	0.96	0.13	54,54,54,54	0
55	MG	1A	3595	1/1	0.96	0.12	27,27,27,27	0
55	MG	2A	3159	1/1	0.96	0.06	45,45,45,45	0
55	MG	1a	1688	1/1	0.96	0.08	68,68,68,68	0
55	MG	1A	3001	1/1	0.96	0.06	23,23,23,23	0
55	MG	2A	3162	1/1	0.96	0.06	33,33,33,33	0
55	MG	2A	3671	1/1	0.96	0.07	52,52,52,52	0
55	MG	1A	3885	1/1	0.96	0.11	47,47,47,47	0
55	MG	1A	3888	1/1	0.96	0.09	60,60,60,60	0
55	MG	1A	3715	1/1	0.96	0.09	16,16,16,16	0
55	MG	1W	3001	1/1	0.96	0.14	14,14,14,14	0
55	MG	1A	3370	1/1	0.96	0.08	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3124	1/1	0.96	0.13	28,28,28,28	0
55	MG	1A	3043	1/1	0.96	0.19	10,10,10,10	0
55	MG	2A	3425	1/1	0.96	0.05	32,32,32,32	0
55	MG	2A	3171	1/1	0.96	0.09	40,40,40,40	0
55	MG	2a	1760	1/1	0.96	0.07	52,52,52,52	0
55	MG	2a	1761	1/1	0.96	0.04	77,77,77,77	0
55	MG	2A	3427	1/1	0.96	0.12	44,44,44,44	0
55	MG	2A	3428	1/1	0.96	0.11	62,62,62,62	0
55	MG	1A	3719	1/1	0.96	0.26	22,22,22,22	0
55	MG	2a	1766	1/1	0.96	0.05	94,94,94,94	0
55	MG	1a	1706	1/1	0.96	0.10	44,44,44,44	0
55	MG	1A	3603	1/1	0.96	0.10	48,48,48,48	0
55	MG	2A	3441	1/1	0.96	0.05	87,87,87,87	0
55	MG	2A	3444	1/1	0.96	0.06	36,36,36,36	0
55	MG	2A	3175	1/1	0.96	0.06	42,42,42,42	0
55	MG	1o	101	1/1	0.96	0.16	42,42,42,42	0
55	MG	1A	3902	1/1	0.96	0.12	55,55,55,55	0
55	MG	1A	3497	1/1	0.96	0.17	37,37,37,37	0
55	MG	2D	304	1/1	0.96	0.10	35,35,35,35	0
55	MG	2D	305	1/1	0.96	0.11	33,33,33,33	0
55	MG	1A	3377	1/1	0.96	0.12	16,16,16,16	0
55	MG	2a	1780	1/1	0.96	0.08	93,93,93,93	0
55	MG	2A	3180	1/1	0.96	0.10	51,51,51,51	0
55	MG	1A	3380	1/1	0.96	0.07	23,23,23,23	0
55	MG	1A	3502	1/1	0.96	0.05	36,36,36,36	0
55	MG	2A	3183	1/1	0.96	0.13	43,43,43,43	0
55	MG	11	103	1/1	0.96	0.14	44,44,44,44	0
55	MG	1A	3908	1/1	0.96	0.17	14,14,14,14	0
55	MG	1A	3185	1/1	0.96	0.15	25,25,25,25	0
55	MG	1A	3729	1/1	0.96	0.07	95,95,95,95	0
55	MG	2A	3009	1/1	0.96	0.14	31,31,31,31	0
55	MG	2a	1793	1/1	0.96	0.05	66,66,66,66	0
55	MG	1A	3612	1/1	0.96	0.06	50,50,50,50	0
55	MG	2A	3011	1/1	0.96	0.09	54,54,54,54	0
55	MG	2A	3012	1/1	0.96	0.19	34,34,34,34	0
55	MG	2a	1799	1/1	0.96	0.07	46,46,46,46	0
55	MG	2E	302	1/1	0.96	0.05	31,31,31,31	0
55	MG	2A	3717	1/1	0.96	0.06	43,43,43,43	0
55	MG	2A	3718	1/1	0.96	0.12	44,44,44,44	0
55	MG	2A	3475	1/1	0.96	0.13	39,39,39,39	0
55	MG	2a	1804	1/1	0.96	0.07	88,88,88,88	0
55	MG	1A	3153	1/1	0.96	0.36	26,26,26,26	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3015	1/1	0.96	0.20	44,44,44,44	0
55	MG	1A	3733	1/1	0.96	0.12	37,37,37,37	0
55	MG	1A	3390	1/1	0.96	0.12	36,36,36,36	0
55	MG	1A	3154	1/1	0.96	0.28	41,41,41,41	0
55	MG	1A	3064	1/1	0.96	0.03	20,20,20,20	0
55	MG	1A	3924	1/1	0.96	0.14	16,16,16,16	0
55	MG	2A	3730	1/1	0.96	0.21	43,43,43,43	0
55	MG	1A	3928	1/1	0.96	0.14	33,33,33,33	0
55	MG	2A	3732	1/1	0.96	0.10	95,95,95,95	0
55	MG	1A	3740	1/1	0.96	0.04	46,46,46,46	0
55	MG	2a	1825	1/1	0.96	0.05	97,97,97,97	0
55	MG	2a	1826	1/1	0.96	0.14	85,85,85,85	0
55	MG	2A	3029	1/1	0.96	0.05	39,39,39,39	0
55	MG	1a	1735	1/1	0.96	0.07	41,41,41,41	0
55	MG	2a	1829	1/1	0.96	0.06	64,64,64,64	0
55	MG	2A	3738	1/1	0.96	0.14	60,60,60,60	0
55	MG	1A	3018	1/1	0.96	0.42	20,20,20,20	0
55	MG	1A	3030	1/1	0.96	0.16	10,10,10,10	0
55	MG	1A	3935	1/1	0.96	0.24	20,20,20,20	0
55	MG	2P	202	1/1	0.96	0.04	84,84,84,84	0
55	MG	2A	3496	1/1	0.96	0.10	43,43,43,43	0
55	MG	1A	3403	1/1	0.96	0.06	40,40,40,40	0
55	MG	1a	1741	1/1	0.96	0.09	42,42,42,42	0
55	MG	1A	3406	1/1	0.96	0.07	38,38,38,38	0
55	MG	2a	1841	1/1	0.96	0.04	87,87,87,87	0
55	MG	2A	3216	1/1	0.96	0.15	37,37,37,37	0
55	MG	1a	1743	1/1	0.96	0.22	58,58,58,58	0
55	MG	1A	3747	1/1	0.96	0.08	27,27,27,27	0
55	MG	1a	1745	1/1	0.96	0.19	61,61,61,61	0
55	MG	1A	3941	1/1	0.96	0.08	48,48,48,48	0
55	MG	2A	3755	1/1	0.96	0.12	35,35,35,35	0
55	MG	2U	204	1/1	0.96	0.23	44,44,44,44	0
55	MG	2A	3506	1/1	0.96	0.08	55,55,55,55	0
55	MG	1A	3626	1/1	0.96	0.04	68,68,68,68	0
55	MG	2V	202	1/1	0.96	0.14	37,37,37,37	0
55	MG	1A	3944	1/1	0.96	0.24	28,28,28,28	0
55	MG	2A	3759	1/1	0.96	0.07	28,28,28,28	0
55	MG	2V	205	1/1	0.96	0.10	59,59,59,59	0
55	MG	1A	3945	1/1	0.96	0.08	22,22,22,22	0
55	MG	2W	3002	1/1	0.96	0.08	41,41,41,41	0
55	MG	1A	3407	1/1	0.96	0.18	34,34,34,34	0
55	MG	1A	3752	1/1	0.96	0.11	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3408	1/1	0.96	0.05	54,54,54,54	0
55	MG	1A	3277	1/1	0.96	0.10	37,37,37,37	0
55	MG	2A	3769	1/1	0.96	0.04	62,62,62,62	0
55	MG	1A	3887	1/1	0.97	0.12	71,71,71,71	0
55	MG	2A	3505	1/1	0.97	0.06	47,47,47,47	0
55	MG	1A	3581	1/1	0.97	0.08	24,24,24,24	0
55	MG	2A	3223	1/1	0.97	0.12	48,48,48,48	0
55	MG	2X	102	1/1	0.97	0.07	66,66,66,66	0
55	MG	2A	3224	1/1	0.97	0.20	31,31,31,31	0
55	MG	1A	3011	1/1	0.97	0.06	27,27,27,27	0
55	MG	2A	3773	1/1	0.97	0.05	46,46,46,46	0
55	MG	1a	1731	1/1	0.97	0.05	59,59,59,59	0
55	MG	1A	3890	1/1	0.97	0.06	21,21,21,21	0
55	MG	1A	3202	1/1	0.97	0.22	29,29,29,29	0
55	MG	2A	3514	1/1	0.97	0.04	59,59,59,59	0
55	MG	25	101	1/1	0.97	0.07	48,48,48,48	0
55	MG	1A	3362	1/1	0.97	0.14	38,38,38,38	0
55	MG	1A	3585	1/1	0.97	0.06	29,29,29,29	0
55	MG	2A	3044	1/1	0.97	0.07	26,26,26,26	0
55	MG	1A	3160	1/1	0.97	0.44	23,23,23,23	0
55	MG	1A	3479	1/1	0.97	0.09	39,39,39,39	0
55	MG	2A	3785	1/1	0.97	0.06	71,71,71,71	0
55	MG	1a	1738	1/1	0.97	0.09	50,50,50,50	0
55	MG	2A	3239	1/1	0.97	0.08	29,29,29,29	0
55	MG	11	101	1/1	0.97	0.03	26,26,26,26	0
55	MG	1A	3088	1/1	0.97	0.24	24,24,24,24	0
55	MG	2A	3793	1/1	0.97	0.04	52,52,52,52	0
55	MG	2A	3242	1/1	0.97	0.04	32,32,32,32	0
55	MG	1A	3028	1/1	0.97	0.15	19,19,19,19	0
55	MG	2A	3798	1/1	0.97	0.08	60,60,60,60	0
55	MG	2A	3053	1/1	0.97	0.12	37,37,37,37	0
55	MG	2A	3530	1/1	0.97	0.27	37,37,37,37	0
55	MG	2A	3801	1/1	0.97	0.06	57,57,57,57	0
55	MG	2A	3802	1/1	0.97	0.04	45,45,45,45	0
55	MG	2A	3054	1/1	0.97	0.04	31,31,31,31	0
55	MG	13	101	1/1	0.97	0.12	30,30,30,30	0
55	MG	1A	3482	1/1	0.97	0.12	37,37,37,37	0
55	MG	1A	3725	1/1	0.97	0.05	29,29,29,29	0
55	MG	1A	3906	1/1	0.97	0.05	14,14,14,14	0
55	MG	1A	3375	1/1	0.97	0.11	24,24,24,24	0
55	MG	1A	3592	1/1	0.97	0.16	23,23,23,23	0
55	MG	1A	3182	1/1	0.97	0.07	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3539	1/1	0.97	0.07	20,20,20,20	0
55	MG	2A	3540	1/1	0.97	0.06	49,49,49,49	0
55	MG	1A	3208	1/1	0.97	0.17	16,16,16,16	0
55	MG	2A	3827	1/1	0.97	0.13	48,48,48,48	0
55	MG	1A	3278	1/1	0.97	0.10	42,42,42,42	0
55	MG	2A	3829	1/1	0.97	0.19	77,77,77,77	0
55	MG	1A	3382	1/1	0.97	0.07	35,35,35,35	0
55	MG	19	101	1/1	0.97	0.10	24,24,24,24	0
55	MG	1A	3241	1/1	0.97	0.74	21,21,21,21	0
55	MG	2A	3067	1/1	0.97	0.12	41,41,41,41	0
55	MG	1A	3490	1/1	0.97	0.05	17,17,17,17	0
55	MG	2A	3838	1/1	0.97	0.08	48,48,48,48	0
55	MG	1A	3920	1/1	0.97	0.44	33,33,33,33	0
55	MG	1A	3387	1/1	0.97	0.05	54,54,54,54	0
55	MG	2A	3071	1/1	0.97	0.11	43,43,43,43	0
55	MG	1A	3492	1/1	0.97	0.14	28,28,28,28	0
55	MG	2A	3264	1/1	0.97	0.13	16,16,16,16	0
55	MG	1A	3044	1/1	0.97	0.10	21,21,21,21	0
55	MG	1A	3925	1/1	0.97	0.18	26,26,26,26	0
55	MG	2A	3853	1/1	0.97	0.05	53,53,53,53	0
55	MG	2A	3076	1/1	0.97	0.16	36,36,36,36	0
55	MG	1A	3389	1/1	0.97	0.05	8,8,8,8	0
55	MG	1a	1607	1/1	0.97	0.07	74,74,74,74	0
55	MG	1A	3025	1/1	0.97	0.38	22,22,22,22	0
55	MG	1A	3391	1/1	0.97	0.15	30,30,30,30	0
55	MG	2A	3084	1/1	0.97	0.29	38,38,38,38	0
55	MG	2A	3861	1/1	0.97	0.09	50,50,50,50	0
55	MG	2A	3862	1/1	0.97	0.05	63,63,63,63	0
55	MG	1A	3392	1/1	0.97	0.05	50,50,50,50	0
55	MG	1A	3499	1/1	0.97	0.05	33,33,33,33	0
55	MG	1A	3748	1/1	0.97	0.04	49,49,49,49	0
55	MG	1a	1613	1/1	0.97	0.08	26,26,26,26	0
55	MG	1A	3145	1/1	0.97	0.35	24,24,24,24	0
55	MG	1A	3939	1/1	0.97	0.11	24,24,24,24	0
55	MG	1A	3616	1/1	0.97	0.11	38,38,38,38	0
55	MG	2A	3572	1/1	0.97	0.06	67,67,67,67	0
55	MG	2A	3092	1/1	0.97	0.36	47,47,47,47	0
55	MG	2A	3577	1/1	0.97	0.07	69,69,69,69	0
55	MG	2a	1657	1/1	0.97	0.15	46,46,46,46	0
55	MG	2A	3578	1/1	0.97	0.08	43,43,43,43	0
55	MG	1A	3186	1/1	0.97	0.18	24,24,24,24	0
55	MG	2A	3293	1/1	0.97	0.14	7,7,7,7	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3396	1/1	0.97	0.17	35,35,35,35	0
55	MG	1A	3505	1/1	0.97	0.11	48,48,48,48	0
55	MG	1A	3068	1/1	0.97	0.24	33,33,33,33	0
55	MG	1a	1777	1/1	0.97	0.06	72,72,72,72	0
55	MG	2A	3099	1/1	0.97	0.12	43,43,43,43	0
55	MG	1A	3093	1/1	0.97	0.12	27,27,27,27	0
55	MG	1A	3947	1/1	0.97	0.26	24,24,24,24	0
55	MG	1A	3948	1/1	0.97	0.37	24,24,24,24	0
55	MG	1A	3399	1/1	0.97	0.04	30,30,30,30	0
55	MG	2A	3890	1/1	0.97	0.08	43,43,43,43	0
55	MG	1A	3293	1/1	0.97	0.05	45,45,45,45	0
55	MG	2A	3105	1/1	0.97	0.25	39,39,39,39	0
55	MG	1A	3511	1/1	0.97	0.11	46,46,46,46	0
55	MG	1A	3294	1/1	0.97	0.09	22,22,22,22	0
55	MG	1A	3632	1/1	0.97	0.07	16,16,16,16	0
55	MG	1A	3634	1/1	0.97	0.07	34,34,34,34	0
55	MG	2A	3897	1/1	0.97	0.09	52,52,52,52	0
55	MG	1A	3216	1/1	0.97	0.11	21,21,21,21	0
55	MG	1A	3069	1/1	0.97	0.31	17,17,17,17	0
55	MG	2A	3320	1/1	0.97	0.05	72,72,72,72	0
55	MG	1A	3190	1/1	0.97	0.38	36,36,36,36	0
55	MG	2A	3904	1/1	0.97	0.06	35,35,35,35	0
55	MG	1A	3517	1/1	0.97	0.08	21,21,21,21	0
55	MG	2a	1685	1/1	0.97	0.09	47,47,47,47	0
55	MG	1A	3302	1/1	0.97	0.14	43,43,43,43	0
55	MG	1A	3519	1/1	0.97	0.15	27,27,27,27	0
55	MG	2A	3909	1/1	0.97	0.05	58,58,58,58	0
55	MG	1A	3520	1/1	0.97	0.07	35,35,35,35	0
55	MG	2A	3328	1/1	0.97	0.14	39,39,39,39	0
55	MG	1A	3521	1/1	0.97	0.22	19,19,19,19	0
55	MG	2A	3913	1/1	0.97	0.05	55,55,55,55	0
55	MG	1A	3095	1/1	0.97	0.25	21,21,21,21	0
55	MG	1A	3523	1/1	0.97	0.04	12,12,12,12	0
55	MG	2a	1695	1/1	0.97	0.05	48,48,48,48	0
55	MG	1a	1799	1/1	0.97	0.06	73,73,73,73	0
55	MG	2a	1698	1/1	0.97	0.04	75,75,75,75	0
55	MG	2A	3616	1/1	0.97	0.28	35,35,35,35	0
55	MG	1A	3524	1/1	0.97	0.17	24,24,24,24	0
55	MG	1A	3648	1/1	0.97	0.10	66,66,66,66	0
55	MG	1A	3787	1/1	0.97	0.05	23,23,23,23	0
55	MG	1A	3789	1/1	0.97	0.06	42,42,42,42	0
55	MG	2A	3922	1/1	0.97	0.09	17,17,17,17	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1B	216	1/1	0.97	0.09	29,29,29,29	0
55	MG	2A	3622	1/1	0.97	0.09	46,46,46,46	0
55	MG	2A	3925	1/1	0.97	0.17	24,24,24,24	0
55	MG	1A	3791	1/1	0.97	0.09	38,38,38,38	0
55	MG	1A	3311	1/1	0.97	0.10	11,11,11,11	0
55	MG	1A	3794	1/1	0.97	0.04	50,50,50,50	0
55	MG	1A	3527	1/1	0.97	0.05	40,40,40,40	0
55	MG	2A	3349	1/1	0.97	0.05	42,42,42,42	0
55	MG	2A	3350	1/1	0.97	0.05	40,40,40,40	0
55	MG	2A	3359	1/1	0.97	0.05	34,34,34,34	0
55	MG	1B	223	1/1	0.97	0.14	61,61,61,61	0
55	MG	1A	3797	1/1	0.97	0.21	37,37,37,37	0
55	MG	2A	3634	1/1	0.97	0.08	68,68,68,68	0
55	MG	1A	3652	1/1	0.97	0.09	31,31,31,31	0
55	MG	2A	3134	1/1	0.97	0.06	40,40,40,40	0
55	MG	1A	3415	1/1	0.97	0.05	49,49,49,49	0
55	MG	2A	3136	1/1	0.97	0.07	34,34,34,34	0
55	MG	2A	3374	1/1	0.97	0.07	30,30,30,30	0
55	MG	2A	3642	1/1	0.97	0.08	53,53,53,53	0
55	MG	1a	1815	1/1	0.97	0.07	93,93,93,93	0
55	MG	2A	3138	1/1	0.97	0.14	40,40,40,40	0
55	MG	2a	1732	1/1	0.97	0.09	78,78,78,78	0
55	MG	2A	3380	1/1	0.97	0.06	35,35,35,35	0
55	MG	2A	3139	1/1	0.97	0.08	38,38,38,38	0
55	MG	2A	3648	1/1	0.97	0.11	49,49,49,49	0
55	MG	1a	1820	1/1	0.97	0.11	65,65,65,65	0
55	MG	1A	3417	1/1	0.97	0.06	32,32,32,32	0
55	MG	1A	3004	1/1	0.97	0.04	29,29,29,29	0
55	MG	2A	3143	1/1	0.97	0.14	42,42,42,42	0
55	MG	1A	3531	1/1	0.97	0.09	42,42,42,42	0
55	MG	2A	3956	1/1	0.97	0.19	34,34,34,34	0
55	MG	1A	3421	1/1	0.97	0.14	29,29,29,29	0
55	MG	1A	3534	1/1	0.97	0.06	14,14,14,14	0
55	MG	2A	3656	1/1	0.97	0.08	62,62,62,62	0
55	MG	2A	3391	1/1	0.97	0.08	63,63,63,63	0
55	MG	1a	1829	1/1	0.97	0.06	84,84,84,84	0
55	MG	1A	3422	1/1	0.97	0.05	42,42,42,42	0
55	MG	1A	3816	1/1	0.97	0.12	43,43,43,43	0
55	MG	1D	310	1/1	0.97	0.14	10,10,10,10	0
55	MG	2A	3663	1/1	0.97	0.04	25,25,25,25	0
55	MG	2a	1752	1/1	0.97	0.09	77,77,77,77	0
55	MG	2a	1753	1/1	0.97	0.05	102,102,102,102	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3817	1/1	0.97	0.22	35,35,35,35	0
55	MG	2A	3968	1/1	0.97	0.20	34,34,34,34	0
55	MG	1A	3661	1/1	0.97	0.06	27,27,27,27	0
55	MG	1A	3434	1/1	0.97	0.06	20,20,20,20	0
55	MG	1a	1836	1/1	0.97	0.05	53,53,53,53	0
55	MG	2A	3403	1/1	0.97	0.06	68,68,68,68	0
55	MG	1A	3438	1/1	0.97	0.06	33,33,33,33	0
55	MG	1A	3439	1/1	0.97	0.08	49,49,49,49	0
55	MG	2a	1762	1/1	0.97	0.14	71,71,71,71	0
55	MG	1A	3541	1/1	0.97	0.09	41,41,41,41	0
55	MG	1A	3254	1/1	0.97	0.11	41,41,41,41	0
55	MG	2B	3007	1/1	0.97	0.06	52,52,52,52	0
55	MG	2A	3410	1/1	0.97	0.08	54,54,54,54	0
55	MG	1A	3444	1/1	0.97	0.33	32,32,32,32	0
55	MG	1E	304	1/1	0.97	0.06	25,25,25,25	0
55	MG	1E	305	1/1	0.97	0.08	25,25,25,25	0
55	MG	2A	3414	1/1	0.97	0.04	70,70,70,70	0
55	MG	1A	3847	1/1	0.97	0.12	41,41,41,41	0
55	MG	1A	3445	1/1	0.97	0.11	19,19,19,19	0
55	MG	1A	3851	1/1	0.97	0.06	43,43,43,43	0
55	MG	2a	1775	1/1	0.97	0.06	54,54,54,54	0
55	MG	1A	3113	1/1	0.97	0.11	21,21,21,21	0
55	MG	2A	3421	1/1	0.97	0.04	54,54,54,54	0
55	MG	1A	3550	1/1	0.97	0.13	36,36,36,36	0
55	MG	2A	3167	1/1	0.97	0.09	35,35,35,35	0
55	MG	2A	3686	1/1	0.97	0.12	39,39,39,39	0
55	MG	1A	3071	1/1	0.97	0.09	26,26,26,26	0
55	MG	1A	3323	1/1	0.97	0.05	24,24,24,24	0
55	MG	2a	1783	1/1	0.97	0.08	90,90,90,90	0
55	MG	1A	3099	1/1	0.97	0.15	29,29,29,29	0
55	MG	1F	309	1/1	0.97	0.21	21,21,21,21	0
55	MG	2D	302	1/1	0.97	0.27	28,28,28,28	0
55	MG	1A	3225	1/1	0.97	0.07	25,25,25,25	0
55	MG	2A	3437	1/1	0.97	0.05	44,44,44,44	0
55	MG	1A	3861	1/1	0.97	0.14	63,63,63,63	0
55	MG	2a	1790	1/1	0.97	0.04	57,57,57,57	0
55	MG	2A	3440	1/1	0.97	0.11	27,27,27,27	0
55	MG	2a	1792	1/1	0.97	0.10	56,56,56,56	0
55	MG	1F	312	1/1	0.97	0.40	22,22,22,22	0
55	MG	1A	3053	1/1	0.97	0.43	18,18,18,18	0
55	MG	1A	3155	1/1	0.97	0.04	16,16,16,16	0
55	MG	1A	3680	1/1	0.97	0.10	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3329	1/1	0.97	0.06	67,67,67,67	0
55	MG	1A	3682	1/1	0.97	0.12	39,39,39,39	0
55	MG	1A	3228	1/1	0.97	0.12	37,37,37,37	0
55	MG	1a	1691	1/1	0.97	0.12	59,59,59,59	0
55	MG	1A	3332	1/1	0.97	0.05	53,53,53,53	0
55	MG	1N	202	1/1	0.97	0.17	32,32,32,32	0
55	MG	2A	3713	1/1	0.97	0.13	34,34,34,34	0
55	MG	1A	3460	1/1	0.97	0.07	16,16,16,16	0
55	MG	1a	1695	1/1	0.97	0.08	53,53,53,53	0
55	MG	2A	3459	1/1	0.97	0.05	53,53,53,53	0
55	MG	2A	3719	1/1	0.97	0.05	25,25,25,25	0
55	MG	1a	1696	1/1	0.97	0.09	63,63,63,63	0
55	MG	1A	3690	1/1	0.97	0.19	33,33,33,33	0
55	MG	2F	302	1/1	0.97	0.15	35,35,35,35	0
55	MG	2a	1819	1/1	0.97	0.08	61,61,61,61	0
55	MG	1P	202	1/1	0.97	0.18	17,17,17,17	0
55	MG	1a	1703	1/1	0.97	0.14	42,42,42,42	0
55	MG	1A	3462	1/1	0.97	0.16	50,50,50,50	0
55	MG	2A	3192	1/1	0.97	0.21	44,44,44,44	0
55	MG	2A	3472	1/1	0.97	0.08	68,68,68,68	0
55	MG	2A	3728	1/1	0.97	0.07	37,37,37,37	0
55	MG	1A	3464	1/1	0.97	0.04	38,38,38,38	0
55	MG	2F	310	1/1	0.97	0.23	40,40,40,40	0
55	MG	1Q	202	1/1	0.97	0.04	19,19,19,19	0
55	MG	1A	3334	1/1	0.97	0.07	29,29,29,29	0
55	MG	1A	3035	1/1	0.97	0.04	16,16,16,16	0
55	MG	2A	3016	1/1	0.97	0.25	38,38,38,38	0
55	MG	1A	3469	1/1	0.97	0.08	41,41,41,41	0
55	MG	2A	3483	1/1	0.97	0.08	36,36,36,36	0
55	MG	2N	201	1/1	0.97	0.13	72,72,72,72	0
55	MG	2A	3018	1/1	0.97	0.36	41,41,41,41	0
55	MG	2A	3739	1/1	0.97	0.08	57,57,57,57	0
55	MG	1a	1712	1/1	0.97	0.08	83,83,83,83	0
55	MG	2A	3020	1/1	0.97	0.09	43,43,43,43	0
55	MG	2Q	201	1/1	0.97	0.10	79,79,79,79	0
55	MG	1A	3230	1/1	0.97	0.23	36,36,36,36	0
55	MG	1A	3575	1/1	0.97	0.08	43,43,43,43	0
55	MG	2A	3205	1/1	0.97	0.28	42,42,42,42	0
55	MG	1A	3200	1/1	0.97	0.15	23,23,23,23	0
55	MG	1A	3702	1/1	0.97	0.05	43,43,43,43	0
55	MG	2T	201	1/1	0.97	0.10	21,21,21,21	0
55	MG	2A	3748	1/1	0.97	0.04	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	1719	1/1	0.97	0.05	44,44,44,44	0
55	MG	2A	3494	1/1	0.97	0.10	34,34,34,34	0
55	MG	2A	3210	1/1	0.97	0.17	37,37,37,37	0
55	MG	2A	3028	1/1	0.97	0.17	38,38,38,38	0
55	MG	1U	203	1/1	0.97	0.06	32,32,32,32	0
55	MG	1U	204	1/1	0.97	0.18	22,22,22,22	0
55	MG	1A	3704	1/1	0.97	0.07	57,57,57,57	0
55	MG	1V	201	1/1	0.97	0.12	16,16,16,16	0
55	MG	1A	3884	1/1	0.97	0.05	76,76,76,76	0
55	MG	1A	3341	1/1	0.97	0.06	29,29,29,29	0
55	MG	2A	3035	1/1	0.97	0.08	41,41,41,41	0
55	MG	1A	3386	1/1	0.98	0.06	18,18,18,18	0
55	MG	1A	3319	1/1	0.98	0.07	52,52,52,52	0
55	MG	1A	3275	1/1	0.98	0.06	11,11,11,11	0
55	MG	2A	3880	1/1	0.98	0.04	58,58,58,58	0
55	MG	2A	3424	1/1	0.98	0.08	72,72,72,72	0
55	MG	1A	3276	1/1	0.98	0.04	35,35,35,35	0
55	MG	1A	3911	1/1	0.98	0.15	61,61,61,61	0
55	MG	1R	201	1/1	0.98	0.07	20,20,20,20	0
55	MG	2A	3228	1/1	0.98	0.05	43,43,43,43	0
55	MG	2A	3429	1/1	0.98	0.04	23,23,23,23	0
55	MG	2A	3430	1/1	0.98	0.06	71,71,71,71	0
55	MG	2A	3229	1/1	0.98	0.05	29,29,29,29	0
55	MG	1R	202	1/1	0.98	0.05	26,26,26,26	0
55	MG	1A	3776	1/1	0.98	0.12	46,46,46,46	0
55	MG	2A	3646	1/1	0.98	0.10	40,40,40,40	0
55	MG	1A	3913	1/1	0.98	0.09	27,27,27,27	0
55	MG	1T	201	1/1	0.98	0.06	30,30,30,30	0
55	MG	2A	3234	1/1	0.98	0.08	29,29,29,29	0
55	MG	2A	3442	1/1	0.98	0.10	20,20,20,20	0
55	MG	1a	1818	1/1	0.98	0.07	72,72,72,72	0
55	MG	1a	1819	1/1	0.98	0.04	52,52,52,52	0
55	MG	2A	3447	1/1	0.98	0.05	29,29,29,29	0
55	MG	2A	3237	1/1	0.98	0.11	41,41,41,41	0
55	MG	1A	3459	1/1	0.98	0.07	8,8,8,8	0
55	MG	2A	3096	1/1	0.98	0.10	35,35,35,35	0
55	MG	2A	3905	1/1	0.98	0.05	51,51,51,51	0
55	MG	2A	3657	1/1	0.98	0.14	45,45,45,45	0
55	MG	1A	3232	1/1	0.98	0.04	16,16,16,16	0
55	MG	2A	3452	1/1	0.98	0.08	82,82,82,82	0
55	MG	2a	1649	1/1	0.98	0.09	65,65,65,65	0
55	MG	1A	3461	1/1	0.98	0.07	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3917	1/1	0.98	0.07	23,23,23,23	0
55	MG	1A	3918	1/1	0.98	0.14	35,35,35,35	0
55	MG	1a	1686	1/1	0.98	0.18	33,33,33,33	0
55	MG	1A	3087	1/1	0.98	0.04	30,30,30,30	0
55	MG	2A	3458	1/1	0.98	0.04	46,46,46,46	0
55	MG	2A	3666	1/1	0.98	0.11	51,51,51,51	0
55	MG	1A	3781	1/1	0.98	0.05	28,28,28,28	0
55	MG	1A	3132	1/1	0.98	0.05	22,22,22,22	0
55	MG	1A	3281	1/1	0.98	0.06	58,58,58,58	0
55	MG	2A	3463	1/1	0.98	0.06	36,36,36,36	0
55	MG	1A	3235	1/1	0.98	0.06	27,27,27,27	0
55	MG	1A	3927	1/1	0.98	0.08	27,27,27,27	0
55	MG	2A	3468	1/1	0.98	0.05	36,36,36,36	0
55	MG	1A	3468	1/1	0.98	0.06	24,24,24,24	0
55	MG	1Y	502	1/1	0.98	0.10	90,90,90,90	0
55	MG	1A	3929	1/1	0.98	0.09	25,25,25,25	0
55	MG	1A	3158	1/1	0.98	0.05	28,28,28,28	0
55	MG	2A	3927	1/1	0.98	0.04	28,28,28,28	0
55	MG	2A	3474	1/1	0.98	0.04	38,38,38,38	0
55	MG	1A	3526	1/1	0.98	0.05	28,28,28,28	0
55	MG	1a	1701	1/1	0.98	0.04	56,56,56,56	0
55	MG	1a	1702	1/1	0.98	0.04	46,46,46,46	0
55	MG	2A	3478	1/1	0.98	0.05	58,58,58,58	0
55	MG	2A	3479	1/1	0.98	0.09	53,53,53,53	0
55	MG	1A	3287	1/1	0.98	0.07	26,26,26,26	0
55	MG	10	105	1/1	0.98	0.07	49,49,49,49	0
55	MG	1A	3599	1/1	0.98	0.12	34,34,34,34	0
55	MG	2A	3687	1/1	0.98	0.04	80,80,80,80	0
55	MG	2a	1679	1/1	0.98	0.23	27,27,27,27	0
55	MG	1A	3936	1/1	0.98	0.07	41,41,41,41	0
55	MG	1A	3600	1/1	0.98	0.13	41,41,41,41	0
55	MG	2A	3486	1/1	0.98	0.11	59,59,59,59	0
55	MG	1A	3683	1/1	0.98	0.03	73,73,73,73	0
55	MG	2A	3692	1/1	0.98	0.05	46,46,46,46	0
55	MG	1a	1709	1/1	0.98	0.06	37,37,37,37	0
55	MG	1A	3684	1/1	0.98	0.05	41,41,41,41	0
55	MG	1A	3601	1/1	0.98	0.17	57,57,57,57	0
55	MG	1A	3799	1/1	0.98	0.04	35,35,35,35	0
55	MG	1A	3120	1/1	0.98	0.17	26,26,26,26	0
55	MG	2A	3700	1/1	0.98	0.05	58,58,58,58	0
55	MG	2A	3269	1/1	0.98	0.21	51,51,51,51	0
55	MG	1A	3333	1/1	0.98	0.06	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3079	1/1	0.98	0.14	36,36,36,36	0
55	MG	2A	3128	1/1	0.98	0.07	39,39,39,39	0
55	MG	1A	3405	1/1	0.98	0.07	51,51,51,51	0
55	MG	1A	3606	1/1	0.98	0.05	23,23,23,23	0
55	MG	2A	3707	1/1	0.98	0.04	26,26,26,26	0
55	MG	2a	1699	1/1	0.98	0.05	53,53,53,53	0
55	MG	2A	3275	1/1	0.98	0.04	47,47,47,47	0
55	MG	1A	3607	1/1	0.98	0.07	16,16,16,16	0
55	MG	17	102	1/1	0.98	0.08	28,28,28,28	0
55	MG	2A	3278	1/1	0.98	0.16	38,38,38,38	0
55	MG	1A	3694	1/1	0.98	0.05	31,31,31,31	0
55	MG	2A	3280	1/1	0.98	0.05	33,33,33,33	0
55	MG	2A	3281	1/1	0.98	0.04	56,56,56,56	0
55	MG	2a	1708	1/1	0.98	0.05	76,76,76,76	0
55	MG	2A	3966	1/1	0.98	0.10	46,46,46,46	0
55	MG	1A	3815	1/1	0.98	0.08	57,57,57,57	0
55	MG	1A	3106	1/1	0.98	0.05	27,27,27,27	0
55	MG	1A	3696	1/1	0.98	0.05	50,50,50,50	0
55	MG	1A	3533	1/1	0.98	0.07	25,25,25,25	0
55	MG	1A	3062	1/1	0.98	0.23	17,17,17,17	0
55	MG	2A	3724	1/1	0.98	0.07	63,63,63,63	0
55	MG	2B	3002	1/1	0.98	0.04	69,69,69,69	0
55	MG	2A	3511	1/1	0.98	0.18	64,64,64,64	0
55	MG	2A	3290	1/1	0.98	0.06	29,29,29,29	0
55	MG	2A	3292	1/1	0.98	0.05	38,38,38,38	0
55	MG	2A	3003	1/1	0.98	0.07	34,34,34,34	0
55	MG	1A	3535	1/1	0.98	0.05	19,19,19,19	0
55	MG	1A	3828	1/1	0.98	0.10	52,52,52,52	0
55	MG	1A	3829	1/1	0.98	0.05	50,50,50,50	0
55	MG	1B	201	1/1	0.98	0.12	27,27,27,27	0
55	MG	1A	3222	1/1	0.98	0.27	30,30,30,30	0
55	MG	2B	3012	1/1	0.98	0.04	56,56,56,56	0
55	MG	1A	3831	1/1	0.98	0.08	13,13,13,13	0
55	MG	2A	3522	1/1	0.98	0.05	32,32,32,32	0
55	MG	2A	3737	1/1	0.98	0.03	43,43,43,43	0
55	MG	1A	3832	1/1	0.98	0.06	10,10,10,10	0
55	MG	1A	3838	1/1	0.98	0.09	39,39,39,39	0
55	MG	2A	3740	1/1	0.98	0.20	86,86,86,86	0
55	MG	1A	3115	1/1	0.98	0.05	23,23,23,23	0
55	MG	1A	3348	1/1	0.98	0.06	11,11,11,11	0
55	MG	2A	3307	1/1	0.98	0.07	57,57,57,57	0
55	MG	2A	3308	1/1	0.98	0.05	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3014	1/1	0.98	0.16	23,23,23,23	0
55	MG	1A	3845	1/1	0.98	0.14	47,47,47,47	0
55	MG	1A	3013	1/1	0.98	0.06	17,17,17,17	0
55	MG	2a	1743	1/1	0.98	0.05	75,75,75,75	0
55	MG	1A	3618	1/1	0.98	0.19	24,24,24,24	0
55	MG	1A	3709	1/1	0.98	0.04	31,31,31,31	0
55	MG	1B	212	1/1	0.98	0.04	59,59,59,59	0
55	MG	1A	3710	1/1	0.98	0.10	36,36,36,36	0
55	MG	1A	3139	1/1	0.98	0.15	33,33,33,33	0
55	MG	1A	3853	1/1	0.98	0.05	47,47,47,47	0
55	MG	2A	3023	1/1	0.98	0.24	44,44,44,44	0
55	MG	2A	3323	1/1	0.98	0.06	27,27,27,27	0
55	MG	1A	3360	1/1	0.98	0.05	16,16,16,16	0
55	MG	1A	3416	1/1	0.98	0.06	38,38,38,38	0
55	MG	1A	3856	1/1	0.98	0.12	34,34,34,34	0
55	MG	2A	3544	1/1	0.98	0.10	29,29,29,29	0
55	MG	2A	3762	1/1	0.98	0.10	69,69,69,69	0
55	MG	2A	3545	1/1	0.98	0.12	39,39,39,39	0
55	MG	2A	3327	1/1	0.98	0.04	34,34,34,34	0
55	MG	1A	3545	1/1	0.98	0.06	40,40,40,40	0
55	MG	1A	3361	1/1	0.98	0.06	35,35,35,35	0
55	MG	1A	3625	1/1	0.98	0.09	69,69,69,69	0
55	MG	1A	3720	1/1	0.98	0.13	40,40,40,40	0
55	MG	2A	3772	1/1	0.98	0.07	50,50,50,50	0
55	MG	1A	3547	1/1	0.98	0.04	29,29,29,29	0
55	MG	1A	3548	1/1	0.98	0.10	27,27,27,27	0
55	MG	1D	301	1/1	0.98	0.09	21,21,21,21	0
55	MG	1A	3628	1/1	0.98	0.12	10,10,10,10	0
55	MG	1A	3629	1/1	0.98	0.12	55,55,55,55	0
55	MG	1D	305	1/1	0.98	0.08	42,42,42,42	0
55	MG	2A	3339	1/1	0.98	0.05	34,34,34,34	0
55	MG	1A	3193	1/1	0.98	0.33	20,20,20,20	0
55	MG	1A	3420	1/1	0.98	0.03	48,48,48,48	0
55	MG	1A	3868	1/1	0.98	0.04	29,29,29,29	0
55	MG	1A	3037	1/1	0.98	0.23	30,30,30,30	0
55	MG	2A	3348	1/1	0.98	0.07	56,56,56,56	0
55	MG	1A	3368	1/1	0.98	0.05	13,13,13,13	0
55	MG	1A	3431	1/1	0.98	0.05	14,14,14,14	0
55	MG	2A	3790	1/1	0.98	0.13	52,52,52,52	0
55	MG	2A	3353	1/1	0.98	0.05	24,24,24,24	0
55	MG	2A	3354	1/1	0.98	0.05	39,39,39,39	0
55	MG	1A	3555	1/1	0.98	0.04	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3361	1/1	0.98	0.05	26,26,26,26	0
55	MG	2A	3362	1/1	0.98	0.04	32,32,32,32	0
55	MG	1A	3732	1/1	0.98	0.03	91,91,91,91	0
55	MG	1A	3303	1/1	0.98	0.06	27,27,27,27	0
55	MG	2A	3576	1/1	0.98	0.08	25,25,25,25	0
55	MG	2Q	202	1/1	0.98	0.10	34,34,34,34	0
55	MG	2A	3366	1/1	0.98	0.07	25,25,25,25	0
55	MG	1A	3436	1/1	0.98	0.07	11,11,11,11	0
55	MG	2A	3579	1/1	0.98	0.03	37,37,37,37	0
55	MG	1A	3304	1/1	0.98	0.04	34,34,34,34	0
55	MG	2A	3050	1/1	0.98	0.35	48,48,48,48	0
55	MG	2a	1794	1/1	0.98	0.04	92,92,92,92	0
55	MG	2A	3582	1/1	0.98	0.06	29,29,29,29	0
55	MG	1A	3641	1/1	0.98	0.14	36,36,36,36	0
55	MG	1A	3496	1/1	0.98	0.06	40,40,40,40	0
55	MG	2a	1798	1/1	0.98	0.07	46,46,46,46	0
55	MG	1A	3560	1/1	0.98	0.11	34,34,34,34	0
55	MG	2A	3817	1/1	0.98	0.08	66,66,66,66	0
55	MG	2A	3377	1/1	0.98	0.04	36,36,36,36	0
55	MG	1A	3881	1/1	0.98	0.04	57,57,57,57	0
55	MG	2A	3820	1/1	0.98	0.04	36,36,36,36	0
55	MG	2A	3823	1/1	0.98	0.07	60,60,60,60	0
55	MG	1A	3644	1/1	0.98	0.07	30,30,30,30	0
55	MG	2A	3825	1/1	0.98	0.08	67,67,67,67	0
55	MG	1a	1780	1/1	0.98	0.06	45,45,45,45	0
55	MG	1A	3374	1/1	0.98	0.05	21,21,21,21	0
55	MG	1A	3441	1/1	0.98	0.04	16,16,16,16	0
55	MG	2a	1812	1/1	0.98	0.06	69,69,69,69	0
55	MG	2a	1813	1/1	0.98	0.05	72,72,72,72	0
55	MG	2A	3830	1/1	0.98	0.11	71,71,71,71	0
55	MG	2a	1815	1/1	0.98	0.06	75,75,75,75	0
55	MG	1A	3180	1/1	0.98	0.12	24,24,24,24	0
55	MG	1A	3886	1/1	0.98	0.08	38,38,38,38	0
55	MG	1A	3500	1/1	0.98	0.09	44,44,44,44	0
55	MG	1A	3443	1/1	0.98	0.06	45,45,45,45	0
55	MG	1A	3212	1/1	0.98	0.23	21,21,21,21	0
55	MG	2a	1823	1/1	0.98	0.05	94,94,94,94	0
55	MG	2A	3390	1/1	0.98	0.10	41,41,41,41	0
55	MG	20	103	1/1	0.98	0.06	64,64,64,64	0
55	MG	2A	3839	1/1	0.98	0.04	28,28,28,28	0
55	MG	1A	3651	1/1	0.98	0.05	37,37,37,37	0
55	MG	1A	3312	1/1	0.98	0.08	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3843	1/1	0.98	0.09	38,38,38,38	0
55	MG	1A	3892	1/1	0.98	0.08	27,27,27,27	0
55	MG	2a	1831	1/1	0.98	0.10	67,67,67,67	0
55	MG	2A	3846	1/1	0.98	0.09	56,56,56,56	0
55	MG	1F	313	1/1	0.98	0.03	4,4,4,4	0
55	MG	1A	3893	1/1	0.98	0.09	53,53,53,53	0
55	MG	1A	3504	1/1	0.98	0.04	32,32,32,32	0
55	MG	2A	3851	1/1	0.98	0.11	66,66,66,66	0
55	MG	2A	3607	1/1	0.98	0.10	74,74,74,74	0
55	MG	28	102	1/1	0.98	0.07	60,60,60,60	0
55	MG	1A	3379	1/1	0.98	0.06	13,13,13,13	0
55	MG	1A	3097	1/1	0.98	0.35	23,23,23,23	0
55	MG	2A	3399	1/1	0.98	0.03	38,38,38,38	0
55	MG	2A	3401	1/1	0.98	0.04	36,36,36,36	0
55	MG	2A	3208	1/1	0.98	0.06	38,38,38,38	0
55	MG	1A	3577	1/1	0.98	0.05	20,20,20,20	0
55	MG	1A	3901	1/1	0.98	0.07	29,29,29,29	0
55	MG	2A	3074	1/1	0.98	0.07	46,46,46,46	0
55	MG	1A	3578	1/1	0.98	0.14	26,26,26,26	0
55	MG	2A	3863	1/1	0.98	0.09	61,61,61,61	0
55	MG	1A	3381	1/1	0.98	0.07	19,19,19,19	0
55	MG	2A	3077	1/1	0.98	0.17	47,47,47,47	0
55	MG	2A	3215	1/1	0.98	0.16	38,38,38,38	0
55	MG	2A	3078	1/1	0.98	0.10	44,44,44,44	0
55	MG	2A	3217	1/1	0.98	0.10	32,32,32,32	0
55	MG	2A	3869	1/1	0.98	0.07	50,50,50,50	0
55	MG	2A	3079	1/1	0.98	0.18	41,41,41,41	0
55	MG	1A	3130	1/1	0.98	0.05	14,14,14,14	0
55	MG	2A	3416	1/1	0.98	0.04	21,21,21,21	0
55	MG	1A	3383	1/1	0.98	0.07	13,13,13,13	0
55	MG	2A	3418	1/1	0.98	0.04	60,60,60,60	0
55	MG	1A	3317	1/1	0.98	0.06	13,13,13,13	0
56	ZN	2n	101	1/1	0.98	0.04	96,96,96,96	0
55	MG	1A	3356	1/1	0.99	0.04	20,20,20,20	0
55	MG	2A	3460	1/1	0.99	0.04	25,25,25,25	0
55	MG	1A	3472	1/1	0.99	0.08	28,28,28,28	0
55	MG	1A	3608	1/1	0.99	0.04	49,49,49,49	0
55	MG	1A	3263	1/1	0.99	0.05	35,35,35,35	0
55	MG	2A	3464	1/1	0.99	0.03	37,37,37,37	0
55	MG	1A	3790	1/1	0.99	0.07	36,36,36,36	0
55	MG	2A	3887	1/1	0.99	0.03	76,76,76,76	0
55	MG	1a	1839	1/1	0.99	0.03	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3688	1/1	0.99	0.03	23,23,23,23	0
55	MG	1A	3792	1/1	0.99	0.09	25,25,25,25	0
55	MG	2A	3470	1/1	0.99	0.04	26,26,26,26	0
55	MG	1A	3919	1/1	0.99	0.08	9,9,9,9	0
55	MG	1A	3358	1/1	0.99	0.04	33,33,33,33	0
55	MG	1V	203	1/1	0.99	0.07	29,29,29,29	0
55	MG	1a	1698	1/1	0.99	0.03	37,37,37,37	0
55	MG	1a	1699	1/1	0.99	0.04	33,33,33,33	0
55	MG	1A	3315	1/1	0.99	0.03	10,10,10,10	0
55	MG	2A	3898	1/1	0.99	0.03	24,24,24,24	0
55	MG	1W	3002	1/1	0.99	0.10	27,27,27,27	0
55	MG	1A	3922	1/1	0.99	0.15	31,31,31,31	0
55	MG	2A	3285	1/1	0.99	0.04	27,27,27,27	0
55	MG	2A	3480	1/1	0.99	0.04	39,39,39,39	0
55	MG	1A	3795	1/1	0.99	0.03	27,27,27,27	0
55	MG	2A	3287	1/1	0.99	0.03	24,24,24,24	0
55	MG	2A	3288	1/1	0.99	0.05	24,24,24,24	0
55	MG	1A	3205	1/1	0.99	0.04	14,14,14,14	0
55	MG	1A	3540	1/1	0.99	0.06	32,32,32,32	0
55	MG	1A	3614	1/1	0.99	0.10	32,32,32,32	0
55	MG	1A	3410	1/1	0.99	0.04	8,8,8,8	0
55	MG	1A	3542	1/1	0.99	0.04	49,49,49,49	0
55	MG	1A	3318	1/1	0.99	0.06	9,9,9,9	0
55	MG	1A	3931	1/1	0.99	0.04	32,32,32,32	0
55	MG	1A	3412	1/1	0.99	0.03	50,50,50,50	0
55	MG	1A	3803	1/1	0.99	0.10	46,46,46,46	0
55	MG	1a	1714	1/1	0.99	0.04	49,49,49,49	0
55	MG	1A	3248	1/1	0.99	0.23	39,39,39,39	0
55	MG	1A	3806	1/1	0.99	0.03	37,37,37,37	0
55	MG	1A	3620	1/1	0.99	0.09	58,58,58,58	0
55	MG	2A	3305	1/1	0.99	0.02	31,31,31,31	0
55	MG	1a	1718	1/1	0.99	0.04	48,48,48,48	0
55	MG	2A	3693	1/1	0.99	0.03	37,37,37,37	0
55	MG	11	104	1/1	0.99	0.10	24,24,24,24	0
55	MG	1A	3811	1/1	0.99	0.02	13,13,13,13	0
55	MG	1A	3701	1/1	0.99	0.07	33,33,33,33	0
55	MG	1a	1722	1/1	0.99	0.05	63,63,63,63	0
55	MG	2A	3698	1/1	0.99	0.06	44,44,44,44	0
55	MG	1A	3813	1/1	0.99	0.14	26,26,26,26	0
55	MG	2A	3313	1/1	0.99	0.04	36,36,36,36	0
55	MG	2A	3314	1/1	0.99	0.03	31,31,31,31	0
55	MG	1A	3121	1/1	0.99	0.06	21,21,21,21	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3483	1/1	0.99	0.08	62,62,62,62	0
55	MG	1a	1726	1/1	0.99	0.03	68,68,68,68	0
55	MG	2A	3934	1/1	0.99	0.03	45,45,45,45	0
55	MG	1A	3365	1/1	0.99	0.03	33,33,33,33	0
55	MG	1A	3366	1/1	0.99	0.05	27,27,27,27	0
55	MG	1A	3707	1/1	0.99	0.06	33,33,33,33	0
55	MG	1A	3820	1/1	0.99	0.07	53,53,53,53	0
55	MG	1A	3367	1/1	0.99	0.04	24,24,24,24	0
55	MG	2A	3940	1/1	0.99	0.04	48,48,48,48	0
55	MG	1A	3418	1/1	0.99	0.06	53,53,53,53	0
55	MG	2A	3711	1/1	0.99	0.03	51,51,51,51	0
55	MG	18	3303	1/1	0.99	0.06	56,56,56,56	0
55	MG	2A	3516	1/1	0.99	0.06	65,65,65,65	0
55	MG	2A	3715	1/1	0.99	0.07	37,37,37,37	0
55	MG	2A	3716	1/1	0.99	0.04	27,27,27,27	0
55	MG	1A	3825	1/1	0.99	0.07	18,18,18,18	0
55	MG	1A	3826	1/1	0.99	0.13	60,60,60,60	0
55	MG	1A	3827	1/1	0.99	0.10	57,57,57,57	0
55	MG	1A	3711	1/1	0.99	0.05	21,21,21,21	0
55	MG	1A	3713	1/1	0.99	0.03	22,22,22,22	0
55	MG	1A	3321	1/1	0.99	0.05	17,17,17,17	0
55	MG	2a	1696	1/1	0.99	0.04	38,38,38,38	0
55	MG	1A	3369	1/1	0.99	0.03	12,12,12,12	0
55	MG	2A	3024	1/1	0.99	0.03	31,31,31,31	0
55	MG	1A	3554	1/1	0.99	0.04	56,56,56,56	0
55	MG	1A	3833	1/1	0.99	0.03	17,17,17,17	0
55	MG	1A	3834	1/1	0.99	0.08	60,60,60,60	0
55	MG	2A	3337	1/1	0.99	0.03	22,22,22,22	0
55	MG	2A	3529	1/1	0.99	0.06	21,21,21,21	0
55	MG	1A	3835	1/1	0.99	0.04	14,14,14,14	0
55	MG	1A	3836	1/1	0.99	0.04	27,27,27,27	0
55	MG	1A	3837	1/1	0.99	0.04	9,9,9,9	0
55	MG	2a	1707	1/1	0.99	0.04	51,51,51,51	0
55	MG	1A	3630	1/1	0.99	0.08	46,46,46,46	0
55	MG	1A	3839	1/1	0.99	0.04	11,11,11,11	0
55	MG	2A	3344	1/1	0.99	0.04	49,49,49,49	0
55	MG	2a	1711	1/1	0.99	0.02	62,62,62,62	0
55	MG	2a	1712	1/1	0.99	0.12	59,59,59,59	0
55	MG	2A	3736	1/1	0.99	0.06	52,52,52,52	0
55	MG	2A	3346	1/1	0.99	0.03	35,35,35,35	0
55	MG	1A	3066	1/1	0.99	0.10	23,23,23,23	0
55	MG	1A	3842	1/1	0.99	0.13	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3371	1/1	0.99	0.03	17,17,17,17	0
55	MG	1A	3844	1/1	0.99	0.07	53,53,53,53	0
55	MG	2A	3352	1/1	0.99	0.06	48,48,48,48	0
55	MG	1A	3633	1/1	0.99	0.06	40,40,40,40	0
55	MG	1B	213	1/1	0.99	0.04	21,21,21,21	0
55	MG	2A	3356	1/1	0.99	0.03	29,29,29,29	0
55	MG	2A	3358	1/1	0.99	0.03	23,23,23,23	0
55	MG	1A	3721	1/1	0.99	0.07	18,18,18,18	0
55	MG	1A	3423	1/1	0.99	0.04	9,9,9,9	0
55	MG	1A	3424	1/1	0.99	0.02	45,45,45,45	0
55	MG	2A	3190	1/1	0.99	0.13	35,35,35,35	0
55	MG	2A	3364	1/1	0.99	0.06	37,37,37,37	0
55	MG	2A	3752	1/1	0.99	0.03	31,31,31,31	0
55	MG	2B	3013	1/1	0.99	0.05	66,66,66,66	0
55	MG	1A	3849	1/1	0.99	0.07	39,39,39,39	0
55	MG	1A	3850	1/1	0.99	0.07	43,43,43,43	0
55	MG	1B	220	1/1	0.99	0.04	29,29,29,29	0
55	MG	2A	3045	1/1	0.99	0.03	28,28,28,28	0
55	MG	1A	3425	1/1	0.99	0.04	10,10,10,10	0
55	MG	2B	3019	1/1	0.99	0.04	63,63,63,63	0
55	MG	2A	3371	1/1	0.99	0.04	45,45,45,45	0
55	MG	2A	3558	1/1	0.99	0.09	15,15,15,15	0
55	MG	1a	1762	1/1	0.99	0.05	54,54,54,54	0
55	MG	2A	3373	1/1	0.99	0.03	27,27,27,27	0
55	MG	1B	222	1/1	0.99	0.08	35,35,35,35	0
55	MG	1A	3426	1/1	0.99	0.06	15,15,15,15	0
55	MG	1A	3430	1/1	0.99	0.06	29,29,29,29	0
55	MG	2A	3766	1/1	0.99	0.03	74,74,74,74	0
55	MG	2A	3767	1/1	0.99	0.02	52,52,52,52	0
55	MG	1A	3296	1/1	0.99	0.04	36,36,36,36	0
55	MG	2A	3379	1/1	0.99	0.05	15,15,15,15	0
55	MG	1a	1767	1/1	0.99	0.04	78,78,78,78	0
55	MG	2A	3771	1/1	0.99	0.12	46,46,46,46	0
55	MG	1A	3433	1/1	0.99	0.03	22,22,22,22	0
55	MG	1A	3373	1/1	0.99	0.03	7,7,7,7	0
55	MG	1A	3435	1/1	0.99	0.04	47,47,47,47	0
55	MG	2A	3384	1/1	0.99	0.03	35,35,35,35	0
55	MG	1A	3157	1/1	0.99	0.07	21,21,21,21	0
55	MG	2A	3778	1/1	0.99	0.07	63,63,63,63	0
55	MG	1D	302	1/1	0.99	0.07	22,22,22,22	0
55	MG	1A	3859	1/1	0.99	0.05	35,35,35,35	0
55	MG	2A	3574	1/1	0.99	0.04	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3567	1/1	0.99	0.04	12,12,12,12	0
55	MG	1A	3568	1/1	0.99	0.04	19,19,19,19	0
55	MG	1A	3734	1/1	0.99	0.03	26,26,26,26	0
55	MG	1A	3437	1/1	0.99	0.03	9,9,9,9	0
55	MG	1D	308	1/1	0.99	0.07	27,27,27,27	0
55	MG	2A	3787	1/1	0.99	0.05	20,20,20,20	0
55	MG	1A	3280	1/1	0.99	0.06	13,13,13,13	0
55	MG	1A	3737	1/1	0.99	0.08	53,53,53,53	0
55	MG	2A	3583	1/1	0.99	0.06	50,50,50,50	0
55	MG	1A	3738	1/1	0.99	0.05	19,19,19,19	0
55	MG	2A	3792	1/1	0.99	0.04	51,51,51,51	0
55	MG	1A	3572	1/1	0.99	0.06	34,34,34,34	0
55	MG	2a	1772	1/1	0.99	0.03	57,57,57,57	0
55	MG	2A	3794	1/1	0.99	0.05	46,46,46,46	0
55	MG	1A	3299	1/1	0.99	0.03	28,28,28,28	0
55	MG	1A	3741	1/1	0.99	0.16	29,29,29,29	0
55	MG	2A	3797	1/1	0.99	0.03	36,36,36,36	0
55	MG	2A	3588	1/1	0.99	0.04	24,24,24,24	0
55	MG	1A	3440	1/1	0.99	0.06	26,26,26,26	0
55	MG	2A	3400	1/1	0.99	0.03	29,29,29,29	0
55	MG	1a	1786	1/1	0.99	0.02	69,69,69,69	0
55	MG	1A	3327	1/1	0.99	0.08	23,23,23,23	0
55	MG	1A	3300	1/1	0.99	0.03	21,21,21,21	0
55	MG	1A	3129	1/1	0.99	0.12	17,17,17,17	0
55	MG	2A	3805	1/1	0.99	0.08	73,73,73,73	0
55	MG	1A	3874	1/1	0.99	0.07	27,27,27,27	0
55	MG	2A	3807	1/1	0.99	0.07	55,55,55,55	0
55	MG	1A	3746	1/1	0.99	0.08	48,48,48,48	0
55	MG	2A	3809	1/1	0.99	0.03	35,35,35,35	0
55	MG	2A	3597	1/1	0.99	0.11	52,52,52,52	0
55	MG	2A	3813	1/1	0.99	0.04	21,21,21,21	0
55	MG	2A	3407	1/1	0.99	0.03	32,32,32,32	0
55	MG	1A	3282	1/1	0.99	0.03	18,18,18,18	0
55	MG	1A	3510	1/1	0.99	0.03	57,57,57,57	0
55	MG	1A	3283	1/1	0.99	0.05	9,9,9,9	0
55	MG	2R	203	1/1	0.99	0.04	16,16,16,16	0
55	MG	1A	3260	1/1	0.99	0.04	10,10,10,10	0
55	MG	1A	3447	1/1	0.99	0.06	29,29,29,29	0
55	MG	1A	3384	1/1	0.99	0.04	46,46,46,46	0
55	MG	2A	3822	1/1	0.99	0.04	53,53,53,53	0
55	MG	1A	3261	1/1	0.99	0.05	20,20,20,20	0
55	MG	1A	3516	1/1	0.99	0.03	19,19,19,19	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3308	1/1	0.99	0.04	17,17,17,17	0
55	MG	2A	3826	1/1	0.99	0.04	43,43,43,43	0
55	MG	1A	3757	1/1	0.99	0.09	9,9,9,9	0
55	MG	1A	3310	1/1	0.99	0.03	17,17,17,17	0
55	MG	1A	3286	1/1	0.99	0.05	17,17,17,17	0
55	MG	2a	1807	1/1	0.99	0.04	55,55,55,55	0
55	MG	1A	3338	1/1	0.99	0.03	17,17,17,17	0
55	MG	2A	3422	1/1	0.99	0.05	60,60,60,60	0
55	MG	1A	3339	1/1	0.99	0.03	13,13,13,13	0
55	MG	2a	1811	1/1	0.99	0.07	60,60,60,60	0
55	MG	2A	3614	1/1	0.99	0.06	62,62,62,62	0
55	MG	1A	3340	1/1	0.99	0.05	20,20,20,20	0
55	MG	2A	3835	1/1	0.99	0.03	41,41,41,41	0
55	MG	2A	3836	1/1	0.99	0.06	79,79,79,79	0
55	MG	1A	3764	1/1	0.99	0.03	45,45,45,45	0
55	MG	1a	1808	1/1	0.99	0.12	67,67,67,67	0
55	MG	2a	1818	1/1	0.99	0.06	45,45,45,45	0
55	MG	1A	3765	1/1	0.99	0.06	38,38,38,38	0
55	MG	1A	3594	1/1	0.99	0.09	16,16,16,16	0
55	MG	2a	1821	1/1	0.99	0.03	46,46,46,46	0
55	MG	2A	3841	1/1	0.99	0.04	25,25,25,25	0
55	MG	1A	3767	1/1	0.99	0.04	42,42,42,42	0
55	MG	1a	1812	1/1	0.99	0.03	50,50,50,50	0
55	MG	21	8001	1/1	0.99	0.03	51,51,51,51	0
55	MG	2A	3844	1/1	0.99	0.13	65,65,65,65	0
55	MG	2A	3431	1/1	0.99	0.07	20,20,20,20	0
55	MG	1A	3076	1/1	0.99	0.07	17,17,17,17	0
55	MG	2A	3847	1/1	0.99	0.12	52,52,52,52	0
55	MG	2A	3433	1/1	0.99	0.06	33,33,33,33	0
55	MG	2A	3625	1/1	0.99	0.11	66,66,66,66	0
55	MG	1A	3770	1/1	0.99	0.06	45,45,45,45	0
55	MG	2a	1833	1/1	0.99	0.04	71,71,71,71	0
55	MG	2A	3435	1/1	0.99	0.04	42,42,42,42	0
55	MG	2A	3436	1/1	0.99	0.03	47,47,47,47	0
55	MG	1A	3343	1/1	0.99	0.04	12,12,12,12	0
55	MG	2A	3438	1/1	0.99	0.07	38,38,38,38	0
55	MG	2A	3855	1/1	0.99	0.03	64,64,64,64	0
55	MG	1a	1816	1/1	0.99	0.09	51,51,51,51	0
55	MG	1a	1817	1/1	0.99	0.03	65,65,65,65	0
55	MG	2A	3633	1/1	0.99	0.10	17,17,17,17	0
55	MG	1A	3773	1/1	0.99	0.10	20,20,20,20	0
55	MG	2A	3635	1/1	0.99	0.03	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3394	1/1	0.99	0.02	18,18,18,18	0
55	MG	2A	3443	1/1	0.99	0.05	25,25,25,25	0
55	MG	2A	3638	1/1	0.99	0.03	51,51,51,51	0
55	MG	1A	3344	1/1	0.99	0.03	21,21,21,21	0
55	MG	1a	1821	1/1	0.99	0.04	70,70,70,70	0
55	MG	2A	3446	1/1	0.99	0.04	22,22,22,22	0
55	MG	1A	3347	1/1	0.99	0.05	13,13,13,13	0
55	MG	1Q	201	1/1	0.99	0.03	27,27,27,27	0
55	MG	1a	1824	1/1	0.99	0.05	42,42,42,42	0
55	MG	1A	3273	1/1	0.99	0.07	21,21,21,21	0
55	MG	1A	3678	1/1	0.99	0.03	32,32,32,32	0
55	MG	1a	1827	1/1	0.99	0.03	49,49,49,49	0
55	MG	1A	3349	1/1	0.99	0.04	31,31,31,31	0
55	MG	1A	3350	1/1	0.99	0.04	14,14,14,14	0
55	MG	1A	3400	1/1	0.99	0.07	35,35,35,35	0
55	MG	1A	3353	1/1	0.99	0.03	13,13,13,13	0
55	MG	2A	3877	1/1	0.99	0.04	26,26,26,26	0
56	ZN	14	501	1/1	0.99	0.06	138,138,138,138	0
56	ZN	19	103	1/1	0.99	0.03	40,40,40,40	0
56	ZN	1n	501	1/1	0.99	0.03	75,75,75,75	0
56	ZN	2Y	202	1/1	0.99	0.03	80,80,80,80	0
55	MG	1A	3404	1/1	0.99	0.05	38,38,38,38	0
56	ZN	26	101	1/1	0.99	0.02	57,57,57,57	0
56	ZN	29	103	1/1	0.99	0.03	66,66,66,66	0
55	MG	1a	1687	1/1	0.99	0.10	31,31,31,31	0
57	SF4	1d	302	8/8	0.99	0.03	46,61,71,75	0
57	SF4	2d	501	8/8	0.99	0.04	54,68,91,93	0
55	MG	1A	3354	1/1	1.00	0.02	12,12,12,12	0
55	MG	1E	301	1/1	1.00	0.06	9,9,9,9	0
55	MG	2A	3345	1/1	1.00	0.03	21,21,21,21	0
55	MG	1A	3708	1/1	1.00	0.06	32,32,32,32	0
55	MG	1E	303	1/1	1.00	0.04	11,11,11,11	0
55	MG	1A	3788	1/1	1.00	0.10	25,25,25,25	0
55	MG	1A	3355	1/1	1.00	0.04	10,10,10,10	0
55	MG	1A	3674	1/1	1.00	0.06	27,27,27,27	0
55	MG	2A	3351	1/1	1.00	0.07	22,22,22,22	0
55	MG	1A	3841	1/1	1.00	0.07	20,20,20,20	0
55	MG	1A	3342	1/1	1.00	0.02	30,30,30,30	0
55	MG	1a	1710	1/1	1.00	0.02	38,38,38,38	0
55	MG	2A	3355	1/1	1.00	0.02	54,54,54,54	0
55	MG	1A	3894	1/1	1.00	0.03	13,13,13,13	0
55	MG	2A	3357	1/1	1.00	0.05	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3895	1/1	1.00	0.03	21,21,21,21	0
55	MG	1A	3712	1/1	1.00	0.03	11,11,11,11	0
55	MG	2A	3360	1/1	1.00	0.02	26,26,26,26	0
55	MG	2E	304	1/1	1.00	0.01	16,16,16,16	0
55	MG	1A	3750	1/1	1.00	0.05	14,14,14,14	0
55	MG	1A	3898	1/1	1.00	0.09	58,58,58,58	0
55	MG	1A	3316	1/1	1.00	0.03	36,36,36,36	0
55	MG	2A	3760	1/1	1.00	0.04	31,31,31,31	0
55	MG	1A	3473	1/1	1.00	0.04	20,20,20,20	0
55	MG	2a	1715	1/1	1.00	0.03	44,44,44,44	0
55	MG	2A	3291	1/1	1.00	0.02	29,29,29,29	0
55	MG	1A	3306	1/1	1.00	0.05	31,31,31,31	0
55	MG	1A	3345	1/1	1.00	0.01	4,4,4,4	0
55	MG	1A	3427	1/1	1.00	0.04	16,16,16,16	0
55	MG	2A	3369	1/1	1.00	0.02	28,28,28,28	0
55	MG	1A	3428	1/1	1.00	0.02	12,12,12,12	0
55	MG	1A	3429	1/1	1.00	0.05	18,18,18,18	0
55	MG	1A	3758	1/1	1.00	0.06	17,17,17,17	0
55	MG	1A	3346	1/1	1.00	0.03	12,12,12,12	0
55	MG	1A	3307	1/1	1.00	0.03	12,12,12,12	0
55	MG	2A	3375	1/1	1.00	0.02	21,21,21,21	0
55	MG	2A	3946	1/1	1.00	0.02	24,24,24,24	0
55	MG	2A	3300	1/1	1.00	0.02	31,31,31,31	0
55	MG	2A	3301	1/1	1.00	0.03	52,52,52,52	0
55	MG	2A	3775	1/1	1.00	0.02	35,35,35,35	0
55	MG	1A	3454	1/1	1.00	0.03	9,9,9,9	0
55	MG	1A	3805	1/1	1.00	0.04	34,34,34,34	0
55	MG	1A	3432	1/1	1.00	0.08	8,8,8,8	0
55	MG	1A	3807	1/1	1.00	0.02	20,20,20,20	0
55	MG	1A	3808	1/1	1.00	0.03	14,14,14,14	0
55	MG	1P	201	1/1	1.00	0.01	23,23,23,23	0
55	MG	1B	214	1/1	1.00	0.02	31,31,31,31	0
55	MG	1A	3331	1/1	1.00	0.02	10,10,10,10	0
55	MG	1A	3810	1/1	1.00	0.07	35,35,35,35	0
55	MG	1A	3378	1/1	1.00	0.03	17,17,17,17	0
55	MG	2A	3465	1/1	1.00	0.04	32,32,32,32	0
55	MG	2A	3312	1/1	1.00	0.02	23,23,23,23	0
55	MG	1A	3689	1/1	1.00	0.02	20,20,20,20	0
55	MG	1A	3458	1/1	1.00	0.01	14,14,14,14	0
55	MG	2A	3547	1/1	1.00	0.05	50,50,50,50	0
55	MG	2A	3315	1/1	1.00	0.05	25,25,25,25	0
55	MG	1A	3363	1/1	1.00	0.03	19,19,19,19	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3289	1/1	1.00	0.03	24,24,24,24	0
55	MG	1A	3769	1/1	1.00	0.07	30,30,30,30	0
55	MG	2A	3712	1/1	1.00	0.07	44,44,44,44	0
55	MG	1A	3659	1/1	1.00	0.02	6,6,6,6	0
55	MG	1A	3771	1/1	1.00	0.04	20,20,20,20	0
55	MG	1A	3819	1/1	1.00	0.04	23,23,23,23	0
55	MG	1A	3569	1/1	1.00	0.02	17,17,17,17	0
55	MG	1A	3926	1/1	1.00	0.08	52,52,52,52	0
55	MG	1A	3821	1/1	1.00	0.04	33,33,33,33	0
55	MG	1A	3309	1/1	1.00	0.02	7,7,7,7	0
55	MG	1A	3662	1/1	1.00	0.06	36,36,36,36	0
55	MG	2A	3196	1/1	1.00	0.03	29,29,29,29	0
55	MG	1A	3824	1/1	1.00	0.06	23,23,23,23	0
55	MG	1A	3351	1/1	1.00	0.04	11,11,11,11	0
55	MG	1A	3463	1/1	1.00	0.03	13,13,13,13	0
55	MG	1A	3933	1/1	1.00	0.02	17,17,17,17	0
55	MG	2A	3408	1/1	1.00	0.02	29,29,29,29	0
55	MG	2A	3810	1/1	1.00	0.02	27,27,27,27	0
55	MG	1A	3573	1/1	1.00	0.06	10,10,10,10	0
55	MG	2A	3812	1/1	1.00	0.02	53,53,53,53	0
55	MG	2A	3899	1/1	1.00	0.03	29,29,29,29	0
55	MG	1A	3352	1/1	1.00	0.01	11,11,11,11	0
55	MG	1A	3465	1/1	1.00	0.07	48,48,48,48	0
56	ZN	1Y	501	1/1	1.00	0.01	43,43,43,43	0
55	MG	1A	3576	1/1	1.00	0.03	13,13,13,13	0
56	ZN	15	104	1/1	1.00	0.03	37,37,37,37	0
56	ZN	16	101	1/1	1.00	0.02	34,34,34,34	0
55	MG	1A	3703	1/1	1.00	0.06	17,17,17,17	0
55	MG	1A	3295	1/1	1.00	0.02	18,18,18,18	0
55	MG	1A	3401	1/1	1.00	0.01	21,21,21,21	0
55	MG	1A	3402	1/1	1.00	0.02	12,12,12,12	0
56	ZN	25	105	1/1	1.00	0.01	51,51,51,51	0
55	MG	2A	3340	1/1	1.00	0.02	39,39,39,39	0
55	MG	2A	3821	1/1	1.00	0.03	46,46,46,46	0
55	MG	2A	3575	1/1	1.00	0.04	29,29,29,29	0
55	MG	1A	3942	1/1	1.00	0.06	10,10,10,10	0
55	MG	1A	3785	1/1	1.00	0.03	8,8,8,8	0

5.5 Other polymers (i)

There are no such residues in this entry.