



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 17, 2026 – 03:40 PM UTC

PDB ID : 6XHY / pdb_00006xhy
Title : Crystal structure of the *Thermus thermophilus* 70S ribosome in complex with telithromycin, mRNA, aminoacylated A- and P-site tRNAs, and deacylated E-site tRNA at 2.60Å resolution
Authors : Svetlov, M.S.; Syroegin, E.A.; Aleksandrova, E.V.; Atkinson, G.C.; Gregory, S.T.; Mankin, A.S.; Polikanov, Y.S.
Deposited on : 2020-06-19
Resolution : 2.60 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 ⓘ 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	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.48.1

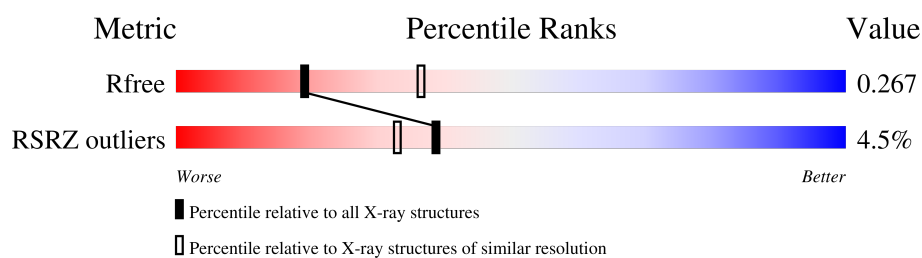
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.60 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}	164625	3775 (2.60-2.60)
RSRZ outliers	164620	3775 (2.60-2.60)

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

2 Entry composition

There are 62 unique types of molecules in this entry. The entry contains 299652 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	2871	Total	C	N	O	P	0	0	0
			61852	27531	11572	19878	2871			
1	2A	2800	Total	C	N	O	P	0	0	0
			60322	26848	11284	19390	2800			

- 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
			2577	1146	476	835	120			
2	2B	120	Total	C	N	O	P	0	0	0
			2575	1146	476	833	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
			2136	1349	423	361	3			
3	2D	275	Total	C	N	O	S	0	0	0
			2136	1349	423	361	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
			1580	1007	297	274	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
			1423	913	253	253	4			
6	2G	181	Total	C	N	O	S	0	0	0
			1428	913	258	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	146	Total	C	N	O	S	0	0	0
			1097	701	191	204	1			
8	2I	146	Total	C	N	O	S	0	0	0
			1064	681	186	196	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
			1117	719	207	187	4			
9	2N	140	Total	C	N	O	S	0	0	0
			1117	719	207	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			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
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
			873	550	174	149			
14	2S	110	Total	C	N	O	0	0	0
			870	549	173	148			

- 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
			1083	675	224	183	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
			771	495	140	135	1			
17	2V	101	Total	C	N	O	S	0	0	0
			771	495	140	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
			806	517	152	131	6			
20	2Y	107	Total	C	N	O	S	0	0	0
			806	517	152	131	6			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	1Z	154	Total	C	N	O	S	0	0	0
			1240	795	222	220	3			
21	2Z	160	Total	C	N	O	S	0	0	0
			1271	814	228	227	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	10	83	Total	C	N	O	S	0	0	0
			653	404	139	109	1			
22	20	83	Total	C	N	O	S	0	0	0
			653	404	139	109	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
			755	475	148	131	1			
23	21	97	Total	C	N	O	S	0	0	0
			755	475	148	131	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			
25	23	59	Total	C	N	O	0	0	0
			464	296	90	78			

- 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
			552	349	99	99	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	24	69	Total	C	N	O	S	0	0	0
			532	339	97	91	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
			455	285	89	76	5			
27	25	59	Total	C	N	O	S	0	0	0
			455	285	89	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
			449	279	91	75	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 16S 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	1503	Total	C	N	O	P	0	0	0
			32327	14396	5990	10438	1503			

- 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
			1846	1179	331	331	5			
33	2b	231	Total	C	N	O	S	0	0	0
			1825	1167	326	327	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
			1548	973	301	273	1			
34	2c	206	Total	C	N	O	S	0	0	0
			1542	968	300	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
			1655	1038	326	284	7			
35	2d	208	Total	C	N	O	S	0	0	0
			1674	1050	333	284	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
			1129	714	213	198	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
			810	514	144	149	3			
37	2f	100	Total	C	N	O	S	0	0	0
			816	516	146	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
			1231	766	243	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
			1088	689	206	191	2			
39	2h	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	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
			983	623	193	167			
40	2i	127	Total	C	N	O	0	0	0
			978	619	190	169			

- 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
			709	440	138	131			
41	2j	96	Total	C	N	O	0	0	0
			714	445	138	131			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	1k	114	Total	C	N	O	S	0	0	0
			829	516	155	155	3			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	2k	114	Total	C	N	O	S	0	0	0
			833	519	156	155	3			

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	1m	123	Total	C	N	O	S	0	0	0
			958	592	198	166	2			
44	2m	122	Total	C	N	O	S	0	0	0
			950	586	197	165	2			

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

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

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

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

- 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
			677	430	133	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
			652	417	120	113	2			
50	2s	83	Total	C	N	O	S	0	0	0
			646	412	119	113	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
			728	446	156	124	2			
51	2t	96	Total	C	N	O	S	0	0	0
			727	446	155	124	2			

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

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

- Molecule 53 is a RNA chain called mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	1v	13	Total	C	N	O	P	0	0	0
			277	125	51	88	13			
53	2v	13	Total	C	N	O	P	0	0	0
			277	125	51	88	13			

- Molecule 54 is a RNA chain called A-site tRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	1w	74	Total	C	N	O	P	S	0	0
			1603	722	287	518	74	2		
54	2w	72	Total	C	N	O	P	S	0	0
			1555	699	280	502	72	2		

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
1w	76	F3N	-	expression tag	GB 1850831943
2w	76	F3N	-	expression tag	GB 1850831943

- Molecule 55 is a RNA chain called P-site tRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
55	1x	76	Total	C	N	O	P	S	0	0
			1635	731	296	530	76	2		
55	2x	76	Total	C	N	O	P	S	0	0
			1635	731	296	530	76	2		

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
1x	76	31H	-	expression tag	GB 1848949880
2x	76	31H	-	expression tag	GB 1848949880

- Molecule 56 is a RNA chain called E-site tRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
56	1y	74	Total	C	N	O	P	S	0	0
			1585	707	285	518	74	1		
56	2y	73	Total	C	N	O	P	S	0	0
			1565	698	283	510	73	1		

- Molecule 57 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	1A	1074	Total Mg 1074 1074	0	0
57	1B	35	Total Mg 35 35	0	0
57	1D	13	Total Mg 13 13	0	0
57	1E	12	Total Mg 12 12	0	0
57	1F	12	Total Mg 12 12	0	0
57	1G	5	Total Mg 5 5	0	0
57	1H	1	Total Mg 1 1	0	0
57	1I	1	Total Mg 1 1	0	0
57	1N	5	Total Mg 5 5	0	0
57	1O	5	Total Mg 5 5	0	0
57	1P	5	Total Mg 5 5	0	0
57	1Q	6	Total Mg 6 6	0	0
57	1R	6	Total Mg 6 6	0	0
57	1S	3	Total Mg 3 3	0	0
57	1T	3	Total Mg 3 3	0	0
57	1U	10	Total Mg 10 10	0	0
57	1V	6	Total Mg 6 6	0	0
57	1W	8	Total Mg 8 8	0	0
57	1X	6	Total Mg 6 6	0	0
57	1Y	4	Total Mg 4 4	0	0
57	1Z	2	Total Mg 2 2	0	0
57	10	8	Total Mg 8 8	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	11	3	Total 3	Mg 3	0	0
57	12	2	Total 2	Mg 2	0	0
57	13	4	Total 4	Mg 4	0	0
57	14	1	Total 1	Mg 1	0	0
57	15	5	Total 5	Mg 5	0	0
57	16	1	Total 1	Mg 1	0	0
57	17	5	Total 5	Mg 5	0	0
57	18	8	Total 8	Mg 8	0	0
57	1a	214	Total 214	Mg 214	0	0
57	1b	2	Total 2	Mg 2	0	0
57	1d	1	Total 1	Mg 1	0	0
57	1e	2	Total 2	Mg 2	0	0
57	1f	2	Total 2	Mg 2	0	0
57	1k	1	Total 1	Mg 1	0	0
57	1l	2	Total 2	Mg 2	0	0
57	1m	1	Total 1	Mg 1	0	0
57	1n	2	Total 2	Mg 2	0	0
57	1t	1	Total 1	Mg 1	0	0
57	1w	8	Total 8	Mg 8	0	0
57	1x	15	Total 15	Mg 15	0	0
57	2A	844	Total 844	Mg 844	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	2B	19	Total 19	Mg 19	0	0
57	2D	5	Total 5	Mg 5	0	0
57	2E	7	Total 7	Mg 7	0	0
57	2F	6	Total 6	Mg 6	0	0
57	2G	1	Total 1	Mg 1	0	0
57	2N	1	Total 1	Mg 1	0	0
57	2O	2	Total 2	Mg 2	0	0
57	2P	2	Total 2	Mg 2	0	0
57	2Q	4	Total 4	Mg 4	0	0
57	2R	1	Total 1	Mg 1	0	0
57	2T	4	Total 4	Mg 4	0	0
57	2V	3	Total 3	Mg 3	0	0
57	2X	2	Total 2	Mg 2	0	0
57	20	1	Total 1	Mg 1	0	0
57	21	1	Total 1	Mg 1	0	0
57	23	4	Total 4	Mg 4	0	0
57	25	3	Total 3	Mg 3	0	0
57	27	3	Total 3	Mg 3	0	0
57	28	4	Total 4	Mg 4	0	0
57	2a	208	Total 208	Mg 208	0	0
57	2d	2	Total 2	Mg 2	0	0

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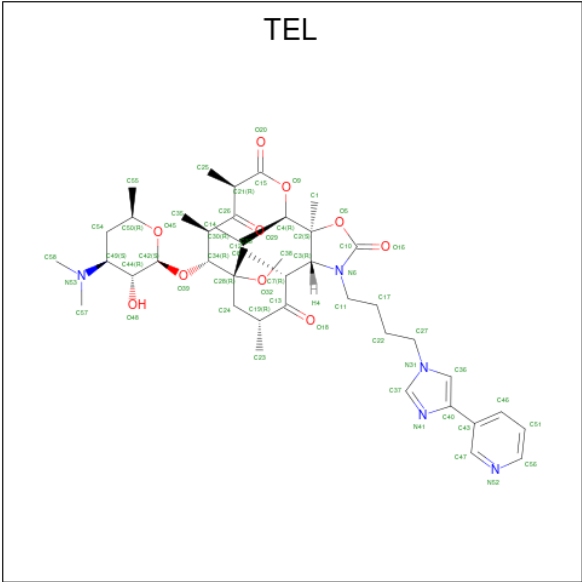
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	2e	2	Total 2	Mg 2	0	0
57	2f	2	Total 2	Mg 2	0	0
57	2g	1	Total 1	Mg 1	0	0
57	2i	1	Total 1	Mg 1	0	0
57	2j	2	Total 2	Mg 2	0	0
57	2l	5	Total 5	Mg 5	0	0
57	2n	1	Total 1	Mg 1	0	0
57	2q	1	Total 1	Mg 1	0	0
57	2r	1	Total 1	Mg 1	0	0
57	2t	1	Total 1	Mg 1	0	0
57	2v	4	Total 4	Mg 4	0	0
57	2w	8	Total 8	Mg 8	0	0
57	2x	5	Total 5	Mg 5	0	0
57	2y	4	Total 4	Mg 4	0	0

- Molecule 58 is POTASSIUM ION (CCD ID: K) (formula: K).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	1A	1	Total 1	K 1	0	0
58	2x	1	Total 1	K 1	0	0

- Molecule 59 is TELITHROMYCIN (CCD ID: TEL) (formula: C₄₃H₆₅N₅O₁₀).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
59	1A	1	Total	C	N	O	0	0
			58	43	5	10		
59	2A	1	Total	C	N	O	0	0
			58	43	5	10		

- Molecule 60 is ZINC ION (CCD ID: ZN) (formula: Zn).

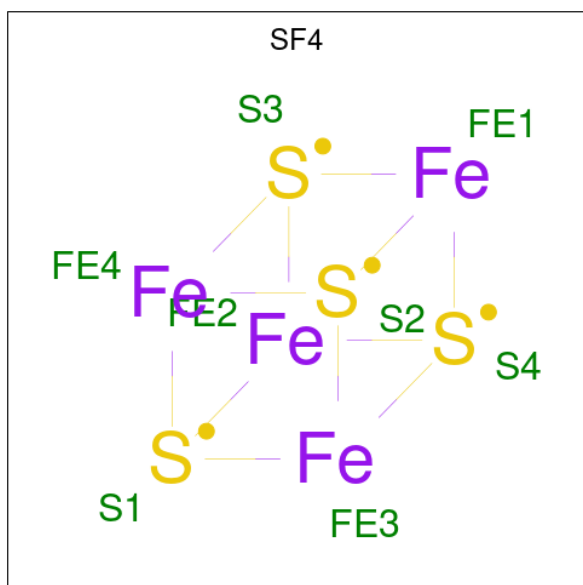
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1Y	1	Total	Zn	0	0
			1	1		
60	14	1	Total	Zn	0	0
			1	1		
60	15	1	Total	Zn	0	0
			1	1		
60	16	1	Total	Zn	0	0
			1	1		
60	19	1	Total	Zn	0	0
			1	1		
60	1n	1	Total	Zn	0	0
			1	1		
60	2Y	1	Total	Zn	0	0
			1	1		
60	24	1	Total	Zn	0	0
			1	1		
60	25	1	Total	Zn	0	0
			1	1		
60	26	1	Total	Zn	0	0
			1	1		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	29	1	Total	Zn	0	0
			1	1		
60	2n	1	Total	Zn	0	0
			1	1		

- Molecule 61 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
61	1d	1	Total	Fe	S	0	0
			8	4	4		
61	2d	1	Total	Fe	S	0	0
			8	4	4		

- Molecule 62 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	1A	1964	Total	O	0	0
			1964	1964		
62	1B	63	Total	O	0	0
			63	63		
62	1D	26	Total	O	0	0
			26	26		
62	1E	30	Total	O	0	0
			30	30		
62	1F	12	Total	O	0	0
			12	12		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	1G	5	Total 5	O 5	0	0
62	1H	2	Total 2	O 2	0	0
62	1N	3	Total 3	O 3	0	0
62	1O	4	Total 4	O 4	0	0
62	1P	20	Total 20	O 20	0	0
62	1Q	6	Total 6	O 6	0	0
62	1R	8	Total 8	O 8	0	0
62	1S	4	Total 4	O 4	0	0
62	1T	6	Total 6	O 6	0	0
62	1U	11	Total 11	O 11	0	0
62	1V	6	Total 6	O 6	0	0
62	1W	6	Total 6	O 6	0	0
62	1X	8	Total 8	O 8	0	0
62	1Y	1	Total 1	O 1	0	0
62	1Z	1	Total 1	O 1	0	0
62	10	9	Total 9	O 9	0	0
62	11	6	Total 6	O 6	0	0
62	12	3	Total 3	O 3	0	0
62	13	7	Total 7	O 7	0	0
62	14	1	Total 1	O 1	0	0
62	15	8	Total 8	O 8	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
62	16	2	Total O 2 2	0	0
62	17	11	Total O 11 11	0	0
62	18	9	Total O 9 9	0	0
62	1a	219	Total O 219 219	0	0
62	1b	1	Total O 1 1	0	0
62	1e	1	Total O 1 1	0	0
62	1f	1	Total O 1 1	0	0
62	1l	3	Total O 3 3	0	0
62	1q	1	Total O 1 1	0	0
62	1v	3	Total O 3 3	0	0
62	1w	12	Total O 12 12	0	0
62	1x	13	Total O 13 13	0	0
62	1y	1	Total O 1 1	0	0
62	2A	1001	Total O 1001 1001	0	0
62	2B	20	Total O 20 20	0	0
62	2D	20	Total O 20 20	0	0
62	2E	8	Total O 8 8	0	0
62	2F	18	Total O 18 18	0	0
62	2O	3	Total O 3 3	0	0
62	2P	11	Total O 11 11	0	0
62	2Q	2	Total O 2 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	2R	3	Total 3	O 3	0	0
62	2T	6	Total 6	O 6	0	0
62	2U	2	Total 2	O 2	0	0
62	2W	2	Total 2	O 2	0	0
62	2X	3	Total 3	O 3	0	0
62	2Y	1	Total 1	O 1	0	0
62	20	3	Total 3	O 3	0	0
62	21	11	Total 11	O 11	0	0
62	22	2	Total 2	O 2	0	0
62	23	1	Total 1	O 1	0	0
62	27	5	Total 5	O 5	0	0
62	28	5	Total 5	O 5	0	0
62	29	1	Total 1	O 1	0	0
62	2a	153	Total 153	O 153	0	0
62	2e	2	Total 2	O 2	0	0
62	2g	2	Total 2	O 2	0	0
62	2i	1	Total 1	O 1	0	0
62	2j	3	Total 3	O 3	0	0
62	2l	4	Total 4	O 4	0	0
62	2p	1	Total 1	O 1	0	0
62	2r	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	2t	1	Total	O	0	0
			1	1		
62	2w	2	Total	O	0	0
			2	2		
62	2x	5	Total	O	0	0
			5	5		
62	2y	4	Total	O	0	0
			4	4		

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3 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.40Å 448.12Å 618.73Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	224.06 – 2.60 224.06 – 2.60	Depositor EDS
% Data completeness (in resolution range)	98.4 (224.06-2.60) 98.4 (224.06-2.60)	Depositor EDS
R_{merge}	0.18	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.19 (at 2.62Å)	Xtriage
Refinement program	PHENIX 1.17.1_3660	Depositor
R, R_{free}	0.217 , 0.266 0.219 , 0.267	Depositor DCC
R_{free} test set	86839 reflections (4.94%)	wwPDB-VP
Wilson B-factor (Å ²)	51.3	Xtriage
Anisotropy	0.147	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.37 , 76.7	EDS
L-test for twinning ²	$\langle L \rangle = 0.40$, $\langle L^2 \rangle = 0.22$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.90	EDS
Total number of atoms	299652	wwPDB-VP
Average B, all atoms (Å ²)	55.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.60% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

4 Model quality [i](#)

4.1 Standard geometry [i](#)

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

4.2 Too-close contacts [i](#)

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

4.3 Torsion angles [i](#)

4.3.1 Protein backbone [i](#)

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

4.3.2 Protein sidechains [i](#)

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

4.3.3 RNA [i](#)

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

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

88 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	5MC	1A	1942	1	19,22,23	1.66	3 (15%)	26,32,35	1.19	3 (11%)
32	MA6	2a	1518	32	19,26,27	1.04	2 (10%)	18,38,41	2.02	3 (16%)
32	MA6	1a	1519	32	19,26,27	1.05	2 (10%)	18,38,41	1.90	3 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	5MC	2a	1407	32	19,22,23	1.68	3 (15%)	26,32,35	1.16	2 (7%)
32	UR3	2a	1498	32	19,22,23	1.02	1 (5%)	26,32,35	1.72	3 (11%)
32	2MG	2a	1207	32	18,26,27	0.94	1 (5%)	16,38,41	1.36	3 (18%)
1	PSU	1A	1911	1	18,21,22	1.44	2 (11%)	21,30,33	1.97	4 (19%)
32	5MC	2a	967	57,32	19,22,23	1.61	3 (15%)	26,32,35	1.02	2 (7%)
55	5MC	1x	32	55	19,22,23	1.64	3 (15%)	26,32,35	1.32	3 (11%)
32	5MC	2a	1404	32	19,22,23	1.71	3 (15%)	26,32,35	1.17	2 (7%)
54	4SU	2w	8	54	18,21,22	1.72	4 (22%)	25,30,33	2.47	5 (20%)
1	PSU	2A	1911	1	18,21,22	1.38	2 (11%)	21,30,33	1.96	4 (19%)
54	4SU	1w	8	54	18,21,22	1.82	5 (27%)	25,30,33	1.57	4 (16%)
55	5MU	2x	54	55	19,22,23	1.38	5 (26%)	27,32,35	2.06	6 (22%)
32	PSU	1a	516	32	18,21,22	1.38	2 (11%)	21,30,33	2.02	5 (23%)
55	4SU	1x	8	55	18,21,22	2.26	5 (27%)	25,30,33	1.60	6 (24%)
54	MIA	1w	37	54	24,31,32	2.17	3 (12%)	22,44,47	2.70	7 (31%)
1	PSU	2A	1917	1	18,21,22	1.42	2 (11%)	21,30,33	1.98	3 (14%)
54	F3N	1w	76	54,1	29,36,37	1.44	5 (17%)	28,51,54	1.51	3 (10%)
32	5MC	1a	1404	32	19,22,23	1.75	3 (15%)	26,32,35	1.14	3 (11%)
56	5MU	1y	54	56	19,22,23	1.46	5 (26%)	27,32,35	1.71	5 (18%)
54	5MU	2w	54	54	19,22,23	1.36	4 (21%)	27,32,35	1.79	6 (22%)
1	5MU	1A	1915	1	19,22,23	1.39	6 (31%)	27,32,35	2.30	7 (25%)
54	PSU	1w	39	54	18,21,22	1.32	2 (11%)	21,30,33	2.04	4 (19%)
56	PSU	2y	32	56	18,21,22	1.40	2 (11%)	21,30,33	1.98	4 (19%)
32	M2G	1a	966	32	20,27,28	1.35	3 (15%)	19,40,43	1.02	1 (5%)
32	7MG	2a	527	57,32	23,26,27	1.37	4 (17%)	27,39,42	2.47	6 (22%)
32	M2G	2a	966	32	20,27,28	1.44	3 (15%)	19,40,43	1.01	1 (5%)
1	5MC	2A	1942	1	19,22,23	1.71	3 (15%)	26,32,35	1.20	3 (11%)
32	5MC	1a	1407	32	19,22,23	1.64	2 (10%)	26,32,35	1.13	2 (7%)
54	5MU	1w	54	54	19,22,23	1.33	4 (21%)	27,32,35	2.04	6 (22%)
55	31H	1x	76	57,55	27,34,35	0.96	1 (3%)	22,47,50	2.50	7 (31%)
1	5MC	1A	1962	1	19,22,23	1.72	3 (15%)	26,32,35	1.22	3 (11%)
54	PSU	2w	32	54	18,21,22	1.39	3 (16%)	21,30,33	1.94	4 (19%)
56	7MG	2y	46	56	23,26,27	1.45	4 (17%)	27,39,42	2.83	8 (29%)
56	PSU	2y	55	56	18,21,22	1.34	2 (11%)	21,30,33	2.00	4 (19%)
56	MIA	2y	37	56	17,24,32	1.00	1 (5%)	16,35,47	1.33	2 (12%)
54	PSU	2w	55	54	18,21,22	1.38	2 (11%)	21,30,33	1.98	3 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	5MC	1a	967	32	19,22,23	1.64	3 (15%)	26,32,35	1.11	2 (7%)
56	PSU	1y	39	56	18,21,22	1.32	1 (5%)	21,30,33	2.20	3 (14%)
32	PSU	2a	516	32	18,21,22	1.38	2 (11%)	21,30,33	2.01	3 (14%)
54	PSU	2w	39	54	18,21,22	1.38	2 (11%)	21,30,33	1.77	4 (19%)
1	2MA	2A	2503	57,1	18,25,26	0.73	0	20,37,40	1.80	4 (20%)
55	5MC	2x	32	55	19,22,23	1.66	3 (15%)	26,32,35	1.18	3 (11%)
1	5MU	1A	1939	57,1	19,22,23	1.44	5 (26%)	27,32,35	2.34	6 (22%)
32	MA6	2a	1519	32	19,26,27	1.02	2 (10%)	18,38,41	1.95	3 (16%)
1	OMG	1A	2251	57,55,1	19,26,27	0.92	1 (5%)	21,38,41	1.17	3 (14%)
1	2MU	1A	2552	1	19,22,24	1.16	1 (5%)	25,31,36	1.81	6 (24%)
1	2MA	1A	2503	57,1	18,25,26	0.79	0	20,37,40	2.15	4 (20%)
55	PSU	2x	55	55	18,21,22	1.38	2 (11%)	21,30,33	1.99	4 (19%)
56	4SU	2y	8	56	18,21,22	1.87	5 (27%)	25,30,33	1.97	5 (20%)
32	5MC	1a	1400	32	19,22,23	1.52	3 (15%)	26,32,35	1.14	3 (11%)
56	7MG	1y	46	56	23,26,27	1.41	4 (17%)	27,39,42	2.68	6 (22%)
32	MA6	1a	1518	32	19,26,27	1.03	2 (10%)	18,38,41	1.98	3 (16%)
32	5MC	2a	1400	32	19,22,23	1.77	3 (15%)	26,32,35	1.23	4 (15%)
54	7MG	1w	46	54	23,26,27	1.42	4 (17%)	27,39,42	2.60	6 (22%)
32	7MG	1a	527	57,32	23,26,27	1.44	3 (13%)	27,39,42	2.54	7 (25%)
1	5MC	2A	1962	57,1	19,22,23	1.65	3 (15%)	26,32,35	1.13	2 (7%)
56	MIA	1y	37	56	17,24,32	0.96	1 (5%)	16,35,47	1.30	2 (12%)
1	PSU	1A	1917	1	18,21,22	1.34	2 (11%)	21,30,33	2.19	3 (14%)
1	4OC	1A	1920	1	19,22,24	0.80	0	25,31,35	0.89	1 (4%)
32	UR3	1a	1498	32	19,22,23	0.96	1 (5%)	26,32,35	1.75	3 (11%)
56	4SU	1y	8	56	18,21,22	1.76	4 (22%)	25,30,33	2.17	5 (20%)
1	PSU	1A	2605	57,1	18,21,22	1.35	2 (11%)	21,30,33	1.85	4 (19%)
55	5MU	1x	54	55	19,22,23	1.47	5 (26%)	27,32,35	1.89	6 (22%)
1	5MU	2A	1915	1	19,22,23	1.45	6 (31%)	27,32,35	2.19	7 (25%)
32	2MG	1a	1207	32	18,26,27	0.96	1 (5%)	16,38,41	1.61	4 (25%)
56	5MU	2y	54	56	19,22,23	1.39	4 (21%)	27,32,35	1.95	5 (18%)
54	PSU	1w	55	54	18,21,22	1.39	2 (11%)	21,30,33	2.01	3 (14%)
54	MIA	2w	37	54	19,27,32	1.82	3 (15%)	18,39,47	1.77	5 (27%)
43	0TD	2l	92	43	8,9,10	4.62	1 (12%)	6,11,13	6.00	3 (50%)
1	4OC	2A	1920	1	19,22,24	0.78	0	25,31,35	0.85	0
1	OMG	2A	2251	55,1	19,26,27	0.95	1 (5%)	21,38,41	1.09	2 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	PSU	2A	2605	1	18,21,22	1.40	3 (16%)	21,30,33	2.10	4 (19%)
56	PSU	1y	32	56	18,21,22	1.33	2 (11%)	21,30,33	1.94	3 (14%)
1	2MU	2A	2552	57,1	19,22,24	1.25	3 (15%)	25,31,36	1.77	6 (24%)
43	0TD	1l	92	43	8,9,10	4.46	1 (12%)	6,11,13	3.95	2 (33%)
32	4OC	1a	1402	32	20,23,24	0.77	0	25,32,35	1.03	1 (4%)
54	7MG	2w	46	54	23,26,27	1.29	3 (13%)	27,39,42	2.60	7 (25%)
55	4SU	2x	8	55	18,21,22	2.10	5 (27%)	25,30,33	1.59	5 (20%)
54	F3N	2w	76	54,1	29,36,37	1.39	5 (17%)	28,51,54	1.48	2 (7%)
56	PSU	1y	55	56	18,21,22	1.41	2 (11%)	21,30,33	2.08	3 (14%)
54	PSU	1w	32	54,57	18,21,22	1.33	2 (11%)	21,30,33	1.90	3 (14%)
32	4OC	2a	1402	32	20,23,24	0.76	0	25,32,35	1.03	2 (8%)
55	31H	2x	76	57,55,58	27,34,35	0.97	2 (7%)	22,47,50	2.19	6 (27%)
56	PSU	2y	39	56	18,21,22	1.39	2 (11%)	21,30,33	1.76	4 (19%)
1	5MU	2A	1939	57,1	19,22,23	1.34	4 (21%)	27,32,35	2.24	6 (22%)
55	PSU	1x	55	55	18,21,22	1.38	2 (11%)	21,30,33	1.97	4 (19%)

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	5MC	1A	1942	1	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/7/29/30	0/3/3/3
32	MA6	1a	1519	32	-	3/7/29/30	0/3/3/3
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/5/27/28	0/3/3/3
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	57,32	-	0/7/25/26	0/2/2/2
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	1/7/25/26	0/2/2/2
54	4SU	2w	8	54	-	0/7/25/26	0/2/2/2
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
32	PSU	1a	516	32	-	0/7/25/26	0/2/2/2
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
54	MIA	1w	37	54	-	1/11/33/34	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	PSU	2A	1917	1	-	1/7/25/26	0/2/2/2
54	F3N	1w	76	54,1	-	1/15/37/38	0/4/4/4
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
56	5MU	1y	54	56	-	2/7/25/26	0/2/2/2
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2
1	5MU	1A	1915	1	-	0/7/25/26	0/2/2/2
54	PSU	1w	39	54	-	0/7/25/26	0/2/2/2
56	PSU	2y	32	56	-	0/7/25/26	0/2/2/2
32	M2G	1a	966	32	-	0/7/29/30	0/3/3/3
32	7MG	2a	527	57,32	-	3/7/37/38	0/3/3/3
32	M2G	2a	966	32	-	0/7/29/30	0/3/3/3
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
55	31H	1x	76	57,55	-	3/18/40/41	0/3/3/3
1	5MC	1A	1962	1	-	0/7/25/26	0/2/2/2
54	PSU	2w	32	54	-	0/7/25/26	0/2/2/2
56	7MG	2y	46	56	-	5/7/37/38	0/3/3/3
56	PSU	2y	55	56	-	0/7/25/26	0/2/2/2
56	MIA	2y	37	56	-	3/3/25/34	0/3/3/3
54	PSU	2w	55	54	-	0/7/25/26	0/2/2/2
32	5MC	1a	967	32	-	0/7/25/26	0/2/2/2
56	PSU	1y	39	56	-	0/7/25/26	0/2/2/2
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	57,1	-	0/3/25/26	0/3/3/3
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2
1	5MU	1A	1939	57,1	-	0/7/25/26	0/2/2/2
32	MA6	2a	1519	32	-	3/7/29/30	0/3/3/3
1	OMG	1A	2251	57,55,1	-	0/5/27/28	0/3/3/3
1	2MU	1A	2552	1	-	0/9/27/28	0/2/2/2
1	2MA	1A	2503	57,1	-	1/3/25/26	0/3/3/3
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
56	4SU	2y	8	56	-	0/7/25/26	0/2/2/2
32	5MC	1a	1400	32	-	1/7/25/26	0/2/2/2
56	7MG	1y	46	56	-	4/7/37/38	0/3/3/3
32	MA6	1a	1518	32	-	0/7/29/30	0/3/3/3
32	5MC	2a	1400	32	-	0/7/25/26	0/2/2/2
54	7MG	1w	46	54	-	1/7/37/38	0/3/3/3
32	7MG	1a	527	57,32	-	3/7/37/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	5MC	2A	1962	57,1	-	0/7/25/26	0/2/2/2
56	MIA	1y	37	56	-	0/3/25/34	0/3/3/3
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
1	4OC	1A	1920	1	-	0/9/27/30	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
56	4SU	1y	8	56	-	0/7/25/26	0/2/2/2
1	PSU	1A	2605	57,1	-	0/7/25/26	0/2/2/2
55	5MU	1x	54	55	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	0/5/27/28	0/3/3/3
56	5MU	2y	54	56	-	2/7/25/26	0/2/2/2
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
54	MIA	2w	37	54	-	0/7/29/34	0/3/3/3
43	0TD	2l	92	43	-	2/7/12/14	-
1	4OC	2A	1920	1	-	0/9/27/30	0/2/2/2
1	OMG	2A	2251	55,1	-	0/5/27/28	0/3/3/3
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
56	PSU	1y	32	56	-	0/7/25/26	0/2/2/2
1	2MU	2A	2552	57,1	-	0/9/27/28	0/2/2/2
43	0TD	1l	92	43	-	4/7/12/14	-
32	4OC	1a	1402	32	-	0/9/29/30	0/2/2/2
54	7MG	2w	46	54	-	2/7/37/38	0/3/3/3
55	4SU	2x	8	55	-	0/7/25/26	0/2/2/2
54	F3N	2w	76	54,1	-	3/15/37/38	0/4/4/4
56	PSU	1y	55	56	-	2/7/25/26	0/2/2/2
54	PSU	1w	32	54,57	-	0/7/25/26	0/2/2/2
32	4OC	2a	1402	32	-	3/9/29/30	0/2/2/2
55	31H	2x	76	57,55,58	-	3/18/40/41	0/3/3/3
56	PSU	2y	39	56	-	0/7/25/26	0/2/2/2
1	5MU	2A	1939	57,1	-	0/7/25/26	0/2/2/2
55	PSU	1x	55	55	-	0/7/25/26	0/2/2/2

All (231) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-12.73	1.69	1.82
43	1l	92	0TD	CB-SB	-12.08	1.70	1.82
54	1w	37	MIA	C2-S10	-6.97	1.70	1.75
54	1w	37	MIA	C13-C14	6.80	1.52	1.32
54	2w	37	MIA	C2-S10	-6.60	1.70	1.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	2a	1400	5MC	C5-C4	6.52	1.49	1.44
32	1a	1404	5MC	C5-C4	6.41	1.49	1.44
1	1A	1962	5MC	C5-C4	6.38	1.48	1.44
32	2a	1404	5MC	C5-C4	6.28	1.48	1.44
1	2A	1942	5MC	C5-C4	6.27	1.48	1.44
32	2a	1407	5MC	C5-C4	6.09	1.48	1.44
32	1a	1407	5MC	C5-C4	5.96	1.48	1.44
1	1A	1942	5MC	C5-C4	5.96	1.48	1.44
55	2x	32	5MC	C5-C4	5.92	1.48	1.44
32	1a	967	5MC	C5-C4	5.90	1.48	1.44
32	2a	967	5MC	C5-C4	5.85	1.48	1.44
1	2A	1962	5MC	C5-C4	5.84	1.48	1.44
55	1x	32	5MC	C5-C4	5.68	1.48	1.44
32	1a	1400	5MC	C5-C4	5.42	1.48	1.44
55	1x	8	4SU	C4-N3	-5.36	1.32	1.37
56	2y	8	4SU	C4-S4	-4.85	1.60	1.68
54	1w	76	F3N	CB-CG	-4.82	1.40	1.51
55	2x	8	4SU	C4-N3	-4.78	1.32	1.37
54	2w	8	4SU	C4-S4	-4.77	1.60	1.68
55	2x	8	4SU	C4-S4	-4.67	1.60	1.68
56	1y	8	4SU	C4-S4	-4.56	1.60	1.68
32	2a	966	M2G	C2-N3	4.53	1.37	1.30
54	2w	76	F3N	CB-CG	-4.53	1.40	1.51
55	1x	8	4SU	C4-S4	-4.53	1.60	1.68
54	1w	8	4SU	C4-S4	-4.39	1.60	1.68
55	1x	8	4SU	C2-N3	-4.24	1.30	1.38
56	1y	55	PSU	C6-C5	4.13	1.39	1.35
56	2y	32	PSU	C6-C5	4.13	1.39	1.35
32	1a	527	7MG	C4-N9	-3.99	1.33	1.37
56	1y	39	PSU	C6-C5	3.91	1.39	1.35
56	2y	39	PSU	C6-C5	3.88	1.39	1.35
54	1w	55	PSU	C6-C5	3.88	1.39	1.35
32	1a	966	M2G	C2-N3	3.83	1.36	1.30
56	1y	32	PSU	C6-C5	3.81	1.39	1.35
54	2w	55	PSU	C6-C5	3.80	1.39	1.35
32	2a	527	7MG	C4-N9	-3.79	1.33	1.37
54	2w	39	PSU	C6-C5	3.77	1.39	1.35
1	2A	2605	PSU	C6-C5	3.71	1.39	1.35
54	1w	76	F3N	O4'-C1'	3.71	1.45	1.40
54	1w	8	4SU	C4-N3	-3.69	1.33	1.37
32	2a	516	PSU	C6-C5	3.68	1.39	1.35
56	2y	46	7MG	C5-C4	3.67	1.48	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	1917	PSU	C6-C5	3.64	1.39	1.35
55	1x	55	PSU	C6-C5	3.62	1.39	1.35
54	2w	32	PSU	C6-C5	3.62	1.39	1.35
56	1y	46	7MG	C5-C4	3.55	1.48	1.37
55	1x	8	4SU	C5-C4	-3.54	1.38	1.42
54	1w	39	PSU	C6-C5	3.51	1.39	1.35
1	1A	1917	PSU	C6-C5	3.49	1.39	1.35
54	2w	76	F3N	O4'-C1'	3.47	1.45	1.40
54	1w	46	7MG	C5-C4	3.47	1.48	1.37
56	2y	8	4SU	C4-N3	-3.46	1.34	1.37
32	1a	516	PSU	C6-C5	3.42	1.39	1.35
55	2x	55	PSU	C6-C5	3.42	1.39	1.35
1	2A	1911	PSU	C6-C5	3.34	1.39	1.35
32	1a	527	7MG	C5-C4	3.33	1.47	1.37
56	2y	55	PSU	C6-C5	3.30	1.38	1.35
32	2a	527	7MG	C5-C4	3.30	1.47	1.37
1	1A	1911	PSU	C6-C5	3.30	1.38	1.35
55	2x	8	4SU	C5-C4	-3.27	1.38	1.42
54	2w	46	7MG	C4-N9	-3.27	1.33	1.37
54	1w	32	PSU	C6-C5	3.26	1.38	1.35
54	2w	46	7MG	C5-C4	3.26	1.47	1.37
55	2x	8	4SU	C2-N3	-3.19	1.32	1.38
55	1x	54	5MU	C6-C5	3.12	1.39	1.34
56	1y	54	5MU	C6-C5	3.07	1.39	1.34
32	2a	966	M2G	C2-N2	3.01	1.40	1.35
56	2y	54	5MU	C6-C5	3.00	1.39	1.34
32	1a	1407	5MC	C6-C5	2.96	1.39	1.34
1	1A	2605	PSU	C6-C5	2.96	1.38	1.35
32	2a	1404	5MC	C6-C5	2.94	1.39	1.34
1	1A	1939	5MU	C4-N3	-2.93	1.33	1.38
54	1w	46	7MG	C4-N9	-2.93	1.34	1.37
56	1y	8	4SU	C2-N1	2.92	1.43	1.38
54	2w	54	5MU	C6-C5	2.92	1.39	1.34
56	2y	46	7MG	C8-N9	2.91	1.47	1.45
1	2A	1942	5MC	C6-C5	2.89	1.39	1.34
32	1a	966	M2G	C2-N2	2.87	1.40	1.35
56	1y	54	5MU	C4-N3	-2.85	1.33	1.38
55	2x	32	5MC	C6-C5	2.85	1.39	1.34
55	1x	54	5MU	C4-N3	-2.84	1.33	1.38
55	1x	32	5MC	C6-C5	2.84	1.39	1.34
1	1A	2605	PSU	C4-N3	-2.81	1.33	1.38
56	1y	8	4SU	C4-N3	-2.78	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	1a	1404	5MC	C6-C5	2.78	1.39	1.34
1	2A	2251	OMG	C6-N1	-2.75	1.33	1.37
55	1x	76	31H	C6-C5	-2.75	1.33	1.43
54	1w	54	5MU	C6-C5	2.75	1.39	1.34
56	2y	37	MIA	C2-N3	2.74	1.36	1.32
32	2a	1400	5MC	C6-C5	2.74	1.39	1.34
1	2A	2552	2MU	C4-N3	-2.74	1.33	1.38
55	2x	54	5MU	C6-C5	2.74	1.39	1.34
54	2w	37	MIA	C6-C5	2.72	1.49	1.44
1	2A	1939	5MU	C6-C5	2.71	1.39	1.34
1	1A	1939	5MU	C6-N1	-2.71	1.33	1.38
54	1w	32	PSU	C4-N3	-2.70	1.33	1.38
54	2w	8	4SU	C4-N3	-2.70	1.34	1.37
56	1y	37	MIA	C2-N3	2.70	1.36	1.32
56	2y	8	4SU	C5-C4	-2.70	1.39	1.42
1	1A	1911	PSU	C4-N3	-2.70	1.33	1.38
1	2A	1962	5MC	C6-N1	-2.69	1.33	1.38
1	1A	1942	5MC	C6-C5	2.68	1.39	1.34
1	2A	1911	PSU	C4-N3	-2.68	1.33	1.38
32	1a	1207	2MG	C6-N1	-2.68	1.33	1.37
54	2w	8	4SU	C5-C4	-2.68	1.39	1.42
1	1A	1915	5MU	C6-C5	2.67	1.39	1.34
1	1A	1915	5MU	C4-N3	-2.66	1.33	1.38
1	2A	1915	5MU	C4-N3	-2.66	1.33	1.38
56	2y	54	5MU	C2-N1	2.64	1.42	1.38
32	1a	967	5MC	C6-C5	2.63	1.38	1.34
32	2a	967	5MC	C6-C5	2.62	1.38	1.34
1	2A	1915	5MU	C6-C5	2.61	1.38	1.34
1	2A	1915	5MU	C2-N1	2.61	1.42	1.38
1	1A	1942	5MC	C6-N1	-2.61	1.33	1.38
54	2w	32	PSU	C4-N3	-2.60	1.34	1.38
1	1A	1939	5MU	C2-N3	-2.58	1.33	1.38
1	1A	2552	2MU	C4-N3	-2.57	1.34	1.38
32	2a	1407	5MC	C6-C5	2.57	1.38	1.34
1	1A	1939	5MU	C6-C5	2.57	1.38	1.34
1	2A	1915	5MU	C4-C5	2.57	1.49	1.44
56	2y	39	PSU	C4-N3	-2.57	1.34	1.38
1	2A	1917	PSU	C4-N3	-2.57	1.34	1.38
1	2A	1962	5MC	C6-C5	2.56	1.38	1.34
54	1w	8	4SU	C5-C4	-2.54	1.39	1.42
55	2x	54	5MU	C4-N3	-2.54	1.34	1.38
54	1w	37	MIA	C6-C5	2.53	1.48	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
56	2y	46	7MG	C6-N1	-2.53	1.34	1.38
54	2w	54	5MU	C4-N3	-2.52	1.34	1.38
54	2w	76	F3N	C6-C5	-2.52	1.34	1.43
32	2a	516	PSU	C4-N3	-2.51	1.34	1.38
1	2A	2605	PSU	C4-N3	-2.51	1.34	1.38
56	1y	8	4SU	C5-C4	-2.50	1.39	1.42
1	1A	1962	5MC	C6-N1	-2.50	1.33	1.38
54	1w	8	4SU	C2-N3	-2.50	1.33	1.38
54	1w	76	F3N	C6-C5	-2.49	1.34	1.43
32	1a	1400	5MC	C6-C5	2.49	1.38	1.34
32	2a	1400	5MC	C6-N1	-2.48	1.33	1.38
55	1x	55	PSU	C4-N3	-2.47	1.34	1.38
55	2x	55	PSU	C4-N3	-2.47	1.34	1.38
56	1y	46	7MG	C8-N9	2.47	1.47	1.45
54	2w	39	PSU	C4-N3	-2.46	1.34	1.38
56	2y	55	PSU	C4-N3	-2.46	1.34	1.38
55	1x	32	5MC	C6-N1	-2.46	1.33	1.38
32	1a	1519	MA6	C6-C5	-2.45	1.41	1.44
32	1a	1518	MA6	C6-C5	-2.45	1.41	1.44
54	1w	46	7MG	C6-N1	-2.44	1.34	1.38
56	1y	46	7MG	C6-N1	-2.44	1.34	1.38
54	1w	54	5MU	C4-N3	-2.43	1.34	1.38
54	1w	39	PSU	C4-N3	-2.42	1.34	1.38
32	2a	1207	2MG	C6-N1	-2.42	1.34	1.37
55	1x	54	5MU	C2-N1	2.42	1.42	1.38
56	2y	8	4SU	C2-N1	2.42	1.42	1.38
32	1a	966	M2G	C6-N1	-2.42	1.34	1.37
54	1w	46	7MG	C8-N9	2.41	1.47	1.45
1	2A	1939	5MU	C4-C5	2.41	1.48	1.44
56	2y	54	5MU	C4-N3	-2.41	1.34	1.38
54	2w	55	PSU	C4-N3	-2.41	1.34	1.38
56	1y	54	5MU	C4-C5	2.40	1.48	1.44
55	2x	54	5MU	C2-N1	2.40	1.42	1.38
1	1A	1962	5MC	C6-C5	2.39	1.38	1.34
32	2a	1407	5MC	C6-N1	-2.39	1.33	1.38
1	2A	1939	5MU	C6-N1	-2.39	1.33	1.38
32	2a	1518	MA6	C6-C5	-2.38	1.41	1.44
32	1a	1400	5MC	C6-N1	-2.37	1.34	1.38
56	1y	32	PSU	C4-N3	-2.37	1.34	1.38
55	1x	54	5MU	C4-C5	2.36	1.48	1.44
55	2x	76	31H	C6-C5	-2.35	1.34	1.43
54	2w	37	MIA	C2-N3	2.35	1.37	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	1939	5MU	C4-N3	-2.34	1.34	1.38
32	2a	1519	MA6	C6-C5	-2.32	1.41	1.44
32	1a	967	5MC	C6-N1	-2.31	1.34	1.38
32	1a	516	PSU	C4-N3	-2.31	1.34	1.38
1	1A	1917	PSU	C4-N3	-2.30	1.34	1.38
1	1A	2251	OMG	C6-N1	-2.29	1.34	1.37
56	1y	55	PSU	C4-N3	-2.28	1.34	1.38
1	1A	1915	5MU	C4-C5	2.25	1.48	1.44
54	1w	55	PSU	C4-N3	-2.24	1.34	1.38
55	2x	32	5MC	C6-N1	-2.23	1.34	1.38
56	2y	32	PSU	C4-N3	-2.23	1.34	1.38
1	1A	1915	5MU	C2-N1	2.23	1.42	1.38
32	1a	1404	5MC	C6-N1	-2.23	1.34	1.38
56	1y	54	5MU	C2-N1	2.22	1.41	1.38
55	2x	76	31H	C5-N7	-2.22	1.31	1.39
1	2A	1915	5MU	C6-N1	-2.22	1.34	1.38
1	2A	2552	2MU	C2-N3	-2.21	1.34	1.38
54	2w	8	4SU	C2-N1	2.20	1.41	1.38
1	2A	2605	PSU	C2-N3	-2.19	1.33	1.37
32	1a	527	7MG	C6-N1	-2.18	1.34	1.38
54	1w	76	F3N	C2'-C3'	-2.18	1.50	1.53
1	2A	2552	2MU	C5-C4	2.16	1.48	1.43
32	2a	1518	MA6	C6-N1	2.16	1.35	1.32
54	2w	76	F3N	C5-N7	-2.16	1.32	1.39
1	1A	1915	5MU	C2-N3	-2.15	1.34	1.38
55	2x	54	5MU	C4-C5	2.15	1.48	1.44
32	2a	1498	UR3	C2-N1	2.15	1.41	1.38
1	1A	1915	5MU	C6-N1	-2.14	1.34	1.38
32	2a	1404	5MC	C6-N1	-2.14	1.34	1.38
54	1w	76	F3N	C5-N7	-2.14	1.32	1.39
56	2y	54	5MU	C4-C5	2.14	1.48	1.44
54	1w	54	5MU	C2-N3	-2.14	1.34	1.38
55	1x	8	4SU	O2-C2	2.13	1.26	1.23
32	2a	527	7MG	C5-C6	2.13	1.48	1.43
54	1w	54	5MU	C4-C5	2.13	1.48	1.44
54	2w	46	7MG	C5-C6	2.13	1.48	1.43
56	1y	54	5MU	C2-N3	-2.12	1.34	1.38
54	1w	8	4SU	C2-N1	2.12	1.41	1.38
56	1y	46	7MG	C5-C6	2.12	1.48	1.43
1	2A	1915	5MU	C2-N3	-2.11	1.34	1.38
56	2y	8	4SU	C2-N3	-2.11	1.34	1.38
32	1a	1498	UR3	C6-C5	2.11	1.40	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	2a	966	M2G	C6-N1	-2.09	1.34	1.37
32	2a	1519	MA6	C6-N1	2.09	1.35	1.32
55	2x	8	4SU	O2-C2	2.09	1.26	1.23
32	2a	967	5MC	C6-N1	-2.08	1.34	1.38
32	2a	527	7MG	C6-N1	-2.07	1.35	1.38
55	1x	54	5MU	C2-N3	-2.06	1.34	1.38
1	1A	1939	5MU	C4-C5	2.06	1.48	1.44
54	2w	54	5MU	C2-N3	-2.06	1.34	1.38
32	1a	1518	MA6	C6-N1	2.06	1.35	1.32
1	2A	1942	5MC	C6-N1	-2.05	1.34	1.38
54	2w	54	5MU	C2-N1	2.05	1.41	1.38
54	2w	76	F3N	C2'-C3'	-2.05	1.50	1.53
55	2x	54	5MU	C6-N1	-2.03	1.34	1.38
56	2y	46	7MG	C2-N3	2.02	1.38	1.33
32	1a	1519	MA6	C6-N1	2.02	1.35	1.32
54	2w	32	PSU	C2-N3	-2.01	1.34	1.37

All (342) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
43	2l	92	0TD	CSB-SB-CB	-14.05	77.12	102.36
56	2y	46	7MG	N9-C4-N3	10.19	140.40	125.46
54	1w	37	MIA	C12-C13-C14	-10.00	109.06	127.01
56	1y	46	7MG	N9-C4-N3	9.49	139.36	125.46
54	1w	46	7MG	N9-C4-N3	9.15	138.87	125.46
43	1l	92	0TD	CSB-SB-CB	8.96	118.46	102.36
32	1a	527	7MG	N9-C4-N3	8.48	137.88	125.46
54	2w	46	7MG	N9-C4-N3	8.36	137.72	125.46
32	2a	527	7MG	N9-C4-N3	8.15	137.40	125.46
1	1A	2503	2MA	C2-N3-C4	7.96	121.89	115.46
55	1x	76	31H	C4'-O4'-C1'	-7.68	102.89	109.92
54	2w	8	4SU	C4-N3-C2	-7.62	120.01	127.31
32	1a	1498	UR3	C4-N3-C2	-7.21	118.78	124.58
32	2a	1498	UR3	C4-N3-C2	-6.88	119.04	124.58
55	1x	76	31H	N3-C2-N1	-6.75	119.51	128.67
1	1A	1917	PSU	N1-C2-N3	6.72	122.25	115.17
56	1y	39	PSU	N1-C2-N3	6.63	122.16	115.17
56	1y	55	PSU	N1-C2-N3	6.61	122.14	115.17
54	1w	76	F3N	N3-C2-N1	-6.46	119.90	128.67
1	2A	2605	PSU	N1-C2-N3	6.46	121.98	115.17
54	2w	76	F3N	N3-C2-N1	-6.44	119.93	128.67
1	2A	1917	PSU	N1-C2-N3	6.40	121.92	115.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
55	2x	76	31H	N3-C2-N1	-6.40	119.99	128.67
55	2x	55	PSU	N1-C2-N3	6.33	121.85	115.17
32	2a	516	PSU	N1-C2-N3	6.27	121.78	115.17
1	1A	1911	PSU	N1-C2-N3	6.22	121.73	115.17
55	2x	76	31H	C4'-O4'-C1'	-6.20	104.25	109.92
54	1w	39	PSU	N1-C2-N3	6.19	121.69	115.17
55	1x	55	PSU	N1-C2-N3	6.11	121.61	115.17
54	2w	32	PSU	N1-C2-N3	6.10	121.60	115.17
54	2w	55	PSU	N1-C2-N3	6.05	121.55	115.17
54	1w	55	PSU	N1-C2-N3	6.04	121.54	115.17
1	2A	1911	PSU	N1-C2-N3	6.04	121.54	115.17
56	2y	55	PSU	N1-C2-N3	6.02	121.52	115.17
56	2y	32	PSU	N1-C2-N3	6.01	121.51	115.17
56	1y	32	PSU	N1-C2-N3	6.01	121.51	115.17
54	2w	8	4SU	C5-C4-N3	6.01	120.34	114.75
54	1w	32	PSU	N1-C2-N3	5.92	121.42	115.17
32	1a	516	PSU	N1-C2-N3	5.89	121.38	115.17
56	1y	8	4SU	C4-N3-C2	-5.88	121.68	127.31
1	2A	2503	2MA	C2-N3-C4	5.87	120.20	115.46
56	2y	46	7MG	C5-C4-N3	-5.86	117.12	128.13
56	1y	46	7MG	C5-C4-N3	-5.73	117.38	128.13
32	2a	1518	MA6	N3-C2-N1	-5.72	120.91	128.67
56	2y	39	PSU	N1-C2-N3	5.65	121.13	115.17
1	1A	1915	5MU	C4-N3-C2	-5.64	119.95	127.34
1	1A	1939	5MU	C4-N3-C2	-5.57	120.04	127.34
1	1A	2605	PSU	N1-C2-N3	5.55	121.02	115.17
32	2a	1519	MA6	N3-C2-N1	-5.54	121.15	128.67
32	1a	1518	MA6	N3-C2-N1	-5.54	121.15	128.67
54	2w	46	7MG	N9-C8-N7	-5.53	95.54	103.37
1	1A	1939	5MU	C5-C4-N3	5.49	120.09	115.32
32	2a	527	7MG	N9-C8-N7	-5.47	95.62	103.37
1	2A	1939	5MU	C4-N3-C2	-5.46	120.18	127.34
54	2w	39	PSU	N1-C2-N3	5.46	120.92	115.17
1	1A	1915	5MU	N3-C2-N1	5.45	121.99	114.89
56	2y	8	4SU	C4-N3-C2	-5.41	122.12	127.31
32	1a	1519	MA6	N3-C2-N1	-5.38	121.37	128.67
1	2A	1915	5MU	C4-N3-C2	-5.35	120.33	127.34
56	2y	8	4SU	C5-C4-N3	5.34	119.72	114.75
32	1a	527	7MG	N9-C8-N7	-5.34	95.81	103.37
54	1w	46	7MG	C5-C4-N3	-5.32	118.15	128.13
56	1y	8	4SU	C5-C4-N3	5.26	119.64	114.75
32	2a	1518	MA6	C2-N1-C6	5.26	122.00	116.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
54	2w	46	7MG	C5-C4-N3	-5.19	118.38	128.13
1	1A	1915	5MU	C5-C4-N3	5.17	119.81	115.32
55	1x	54	5MU	N3-C2-N1	5.16	121.60	114.89
54	1w	46	7MG	N9-C8-N7	-5.15	96.07	103.37
1	2A	1939	5MU	N3-C2-N1	5.06	121.47	114.89
1	2A	1915	5MU	N3-C2-N1	5.05	121.47	114.89
32	1a	527	7MG	C5-C4-N3	-5.03	118.68	128.13
55	2x	54	5MU	N3-C2-N1	4.99	121.39	114.89
32	1a	1518	MA6	C2-N1-C6	4.94	121.69	116.84
32	2a	527	7MG	C5-C4-N3	-4.87	118.99	128.13
1	1A	1939	5MU	O4-C4-C5	-4.87	119.35	124.92
56	1y	46	7MG	N9-C8-N7	-4.86	96.49	103.37
1	1A	1939	5MU	C5-C6-N1	-4.85	118.04	123.31
54	2w	8	4SU	C5-C4-S4	-4.85	118.77	124.31
55	2x	54	5MU	C4-N3-C2	-4.84	121.00	127.34
1	1A	2552	2MU	N3-C2-N1	4.83	121.18	114.89
1	2A	1915	5MU	C5-C4-N3	4.82	119.51	115.32
56	1y	46	7MG	C2-N3-C4	4.77	120.52	112.30
54	1w	54	5MU	C4-N3-C2	-4.76	121.10	127.34
56	2y	54	5MU	O4-C4-C5	-4.73	119.51	124.92
54	1w	54	5MU	N3-C2-N1	4.70	121.00	114.89
56	1y	39	PSU	C4-N3-C2	-4.69	119.92	126.37
32	2a	1519	MA6	C2-N1-C6	4.68	121.43	116.84
56	2y	46	7MG	C2-N3-C4	4.68	120.36	112.30
1	2A	1939	5MU	O4-C4-C5	-4.65	119.60	124.92
1	2A	2552	2MU	N3-C2-N1	4.63	120.92	114.89
56	2y	54	5MU	C5-C4-N3	4.53	119.26	115.32
54	2w	37	MIA	C12-N6-C6	-4.52	118.66	122.85
54	1w	54	5MU	C5-C4-N3	4.52	119.25	115.32
32	1a	1519	MA6	C2-N1-C6	4.50	121.25	116.84
1	1A	1939	5MU	N3-C2-N1	4.50	120.75	114.89
56	2y	54	5MU	C4-N3-C2	-4.49	121.46	127.34
1	2A	1939	5MU	C5-C4-N3	4.47	119.21	115.32
56	2y	46	7MG	N9-C8-N7	-4.47	97.04	103.37
1	1A	1917	PSU	O2-C2-N1	-4.46	118.19	122.79
1	1A	1915	5MU	O4-C4-C5	-4.46	119.82	124.92
1	1A	1917	PSU	C4-N3-C2	-4.43	120.27	126.37
54	2w	46	7MG	C2-N3-C4	4.43	119.92	112.30
54	1w	54	5MU	O4-C4-C5	-4.41	119.87	124.92
54	2w	54	5MU	N3-C2-N1	4.40	120.62	114.89
55	1x	54	5MU	C4-N3-C2	-4.37	121.61	127.34
54	2w	8	4SU	N3-C2-N1	4.37	120.58	114.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
54	1w	39	PSU	C4-N3-C2	-4.35	120.37	126.37
56	2y	54	5MU	N3-C2-N1	4.35	120.55	114.89
56	1y	54	5MU	N3-C2-N1	4.35	120.55	114.89
54	1w	8	4SU	C5-C4-N3	4.33	118.78	114.75
55	2x	54	5MU	O4-C4-C5	-4.32	119.98	124.92
1	1A	2552	2MU	C4-N3-C2	-4.31	121.26	126.61
1	2A	2605	PSU	C4-N3-C2	-4.30	120.45	126.37
54	1w	55	PSU	O2-C2-N1	-4.28	118.37	122.79
54	1w	46	7MG	C2-N3-C4	4.23	119.59	112.30
32	2a	527	7MG	C2-N3-C4	4.23	119.59	112.30
56	1y	39	PSU	O2-C2-N1	-4.15	118.51	122.79
56	1y	55	PSU	O2-C2-N1	-4.14	118.52	122.79
56	1y	8	4SU	C5-C4-S4	-4.13	119.59	124.31
1	2A	2552	2MU	C4-N3-C2	-4.13	121.49	126.61
32	1a	527	7MG	C2-N3-C4	4.12	119.39	112.30
32	1a	516	PSU	C4-N3-C2	-4.12	120.70	126.37
54	2w	54	5MU	O4-C4-C5	-4.06	120.27	124.92
32	2a	516	PSU	C4-N3-C2	-4.02	120.83	126.37
55	2x	54	5MU	C5-C4-N3	4.02	118.81	115.32
56	2y	55	PSU	O2-C2-N1	-4.00	118.66	122.79
55	1x	8	4SU	C6-C5-C4	-4.00	116.49	119.95
54	2w	54	5MU	C4-N3-C2	-3.99	122.11	127.34
55	1x	55	PSU	C4-N3-C2	-3.98	120.89	126.37
54	2w	32	PSU	C4-N3-C2	-3.98	120.89	126.37
56	1y	37	MIA	N3-C2-N1	-3.97	123.28	128.67
55	1x	32	5MC	C5-C6-N1	-3.96	119.01	123.31
55	2x	55	PSU	C4-N3-C2	-3.96	120.92	126.37
54	1w	8	4SU	C4-N3-C2	-3.94	123.54	127.31
54	1w	37	MIA	C16-C14-C13	-3.93	110.88	122.66
54	1w	37	MIA	C15-C14-C13	-3.91	110.92	122.66
32	2a	1404	5MC	C5-C6-N1	-3.90	119.08	123.31
1	2A	1911	PSU	C4-N3-C2	-3.90	121.00	126.37
55	2x	8	4SU	C1'-N1-C2	3.89	124.58	117.59
56	1y	54	5MU	C4-N3-C2	-3.84	122.30	127.34
54	2w	55	PSU	C4-N3-C2	-3.84	121.08	126.37
1	1A	1911	PSU	C4-N3-C2	-3.84	121.08	126.37
1	2A	1917	PSU	C4-N3-C2	-3.83	121.10	126.37
1	2A	1915	5MU	O4-C4-C5	-3.83	120.54	124.92
1	2A	1939	5MU	O2-C2-N1	-3.83	117.81	122.80
54	1w	32	PSU	C4-N3-C2	-3.82	121.10	126.37
55	1x	8	4SU	O2-C2-N1	3.80	127.75	122.80
56	2y	37	MIA	N3-C2-N1	-3.79	123.53	128.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2A	1939	5MU	C5-C6-N1	-3.79	119.20	123.31
56	1y	32	PSU	C4-N3-C2	-3.77	121.18	126.37
1	1A	1962	5MC	C5-C6-N1	-3.76	119.23	123.31
56	2y	32	PSU	O2-C2-N1	-3.76	118.92	122.79
32	1a	516	PSU	O2-C2-N1	-3.75	118.92	122.79
1	1A	2605	PSU	C4-N3-C2	-3.74	121.21	126.37
56	2y	32	PSU	C4-N3-C2	-3.72	121.25	126.37
56	1y	55	PSU	C4-N3-C2	-3.69	121.28	126.37
1	1A	1942	5MC	C5-C6-N1	-3.68	119.32	123.31
32	2a	1400	5MC	C5-C6-N1	-3.65	119.35	123.31
56	1y	8	4SU	N3-C2-N1	3.63	119.61	114.89
1	1A	1911	PSU	O2-C2-N1	-3.62	119.06	122.79
54	2w	54	5MU	C5-C4-N3	3.59	118.45	115.32
56	1y	32	PSU	O2-C2-N1	-3.58	119.09	122.79
54	1w	55	PSU	C4-N3-C2	-3.58	121.44	126.37
56	1y	54	5MU	C5-C4-N3	3.57	118.42	115.32
56	1y	8	4SU	C1'-N1-C2	3.56	123.98	117.59
55	2x	32	5MC	C5-C6-N1	-3.56	119.45	123.31
32	1a	1207	2MG	N1-C2-N2	3.54	120.18	116.56
56	2y	55	PSU	C4-N3-C2	-3.53	121.51	126.37
32	2a	1407	5MC	C5-C6-N1	-3.52	119.49	123.31
55	2x	8	4SU	C5-C4-N3	3.52	118.02	114.75
54	2w	55	PSU	O2-C2-N1	-3.51	119.17	122.79
1	2A	1915	5MU	C5-C6-N1	-3.50	119.51	123.31
32	2a	516	PSU	O2-C2-N1	-3.50	119.18	122.79
55	1x	54	5MU	C5-C4-N3	3.49	118.36	115.32
55	2x	55	PSU	O2-C2-N1	-3.49	119.19	122.79
54	2w	37	MIA	C11-S10-C2	-3.46	99.66	102.25
56	2y	8	4SU	N3-C2-N1	3.45	119.38	114.89
1	2A	1917	PSU	O2-C2-N1	-3.45	119.23	122.79
1	2A	1911	PSU	O2-C2-N1	-3.42	119.26	122.79
54	2w	39	PSU	C4-N3-C2	-3.41	121.67	126.37
1	2A	1942	5MC	C5-C6-N1	-3.38	119.64	123.31
32	1a	1400	5MC	C5-C6-N1	-3.37	119.65	123.31
32	1a	1207	2MG	C8-N7-C5	3.31	108.19	102.55
55	1x	54	5MU	O4-C4-C5	-3.31	121.13	124.92
56	2y	39	PSU	C4-N3-C2	-3.29	121.83	126.37
1	2A	1962	5MC	C5-C6-N1	-3.28	119.75	123.31
43	2l	92	0TD	OD2-CG-CB	3.28	120.23	113.15
55	2x	8	4SU	C6-C5-C4	-3.26	117.12	119.95
32	2a	967	5MC	C5-C6-N1	-3.26	119.77	123.31
32	1a	1404	5MC	C5-C6-N1	-3.26	119.78	123.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	1a	1498	UR3	C5-C4-N3	3.25	119.32	115.04
1	1A	1915	5MU	C5-C6-N1	-3.21	119.82	123.31
1	1A	2552	2MU	O2-C2-N1	-3.20	118.62	122.80
55	2x	54	5MU	C5-C6-N1	-3.20	119.83	123.31
54	1w	32	PSU	O2-C2-N1	-3.19	119.50	122.79
32	1a	1407	5MC	C5-C6-N1	-3.18	119.86	123.31
54	1w	54	5MU	C5-C6-N1	-3.17	119.87	123.31
56	2y	8	4SU	C5-C4-S4	-3.15	120.71	124.31
54	1w	39	PSU	O2-C2-N1	-3.12	119.57	122.79
55	1x	54	5MU	C5-C6-N1	-3.12	119.92	123.31
1	2A	2552	2MU	C2'-C1'-N1	-3.11	108.33	114.24
32	2a	1498	UR3	C5-C4-N3	3.10	119.12	115.04
54	1w	8	4SU	N3-C2-N1	3.09	118.91	114.89
54	1w	54	5MU	O2-C2-N1	-3.08	118.79	122.80
32	1a	1407	5MC	C5-C4-N3	-3.08	118.60	121.75
1	2A	2552	2MU	O2-C2-N1	-3.07	118.80	122.80
1	1A	2552	2MU	O4-C4-C5	-3.07	119.87	125.16
56	1y	54	5MU	O4-C4-C5	-3.06	121.42	124.92
56	2y	54	5MU	C5-C6-N1	-3.05	120.00	123.31
1	1A	2605	PSU	O2-C2-N1	-3.03	119.66	122.79
1	2A	2605	PSU	O2-C2-N1	-3.03	119.67	122.79
56	2y	46	7MG	C5-C4-N9	-3.03	102.46	106.33
32	1a	1519	MA6	C4-C5-N7	-3.00	106.17	109.34
1	1A	1942	5MC	C5-C4-N3	-2.99	118.69	121.75
56	1y	54	5MU	C5-C6-N1	-2.98	120.08	123.31
32	2a	1519	MA6	C4-C5-N7	-2.97	106.20	109.34
1	2A	1942	5MC	C5-C4-N3	-2.95	118.73	121.75
32	1a	967	5MC	C5-C6-N1	-2.93	120.13	123.31
32	2a	1407	5MC	C5-C4-N3	-2.92	118.76	121.75
32	1a	1518	MA6	C4-C5-N7	-2.92	106.25	109.34
32	2a	1207	2MG	C8-N7-C5	2.91	107.51	102.55
55	1x	55	PSU	O2-C2-N1	-2.90	119.80	122.79
55	1x	8	4SU	C5-C4-N3	2.88	117.43	114.75
55	1x	32	5MC	C5-C4-N3	-2.88	118.80	121.75
32	1a	1404	5MC	C5-C4-N3	-2.87	118.82	121.75
32	2a	1207	2MG	N2-C2-N3	-2.84	116.89	120.51
1	1A	1915	5MU	O2-C2-N1	-2.81	119.14	122.80
54	2w	54	5MU	C5-C6-N1	-2.81	120.27	123.31
1	1A	2503	2MA	C4-C5-N7	-2.80	106.38	109.34
54	2w	46	7MG	C5-C6-N1	2.80	115.86	110.94
1	2A	2251	OMG	C8-N7-C5	2.77	107.26	102.55
55	2x	76	31H	O2'-C2'-C3'	2.76	117.93	111.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	2a	1518	MA6	C4-C5-N7	-2.76	106.42	109.34
1	1A	2251	OMG	C8-N7-C5	2.75	107.22	102.55
32	1a	966	M2G	C8-N7-C5	2.74	107.22	102.55
32	1a	1207	2MG	N2-C2-N3	-2.74	117.03	120.51
1	2A	2552	2MU	C5-C4-N3	2.73	118.62	114.80
56	2y	37	MIA	C4-C5-N7	-2.72	106.46	109.34
54	2w	76	F3N	C3'-N3'-C	-2.71	119.08	123.20
56	1y	37	MIA	C4-C5-N7	-2.69	106.49	109.34
32	1a	967	5MC	C5-C4-N3	-2.69	119.00	121.75
55	2x	8	4SU	O2-C2-N1	2.69	126.29	122.80
54	1w	37	MIA	C2-N1-C6	2.68	122.19	117.42
54	2w	32	PSU	O2-C2-N1	-2.68	120.02	122.79
43	1l	92	0TD	OD2-CG-CB	2.66	118.90	113.15
1	2A	2503	2MA	C2-N1-C6	2.65	122.18	118.10
32	1a	1400	5MC	C5-C4-N3	-2.62	119.07	121.75
54	1w	46	7MG	C5-C4-N9	-2.61	102.99	106.33
1	1A	2552	2MU	C5-C4-N3	2.61	118.45	114.80
56	2y	55	PSU	C6-C5-C4	-2.60	116.42	118.17
55	2x	32	5MC	C5-C4-N3	-2.60	119.09	121.75
32	1a	527	7MG	C5-C6-N1	2.59	115.50	110.94
55	1x	32	5MC	O2-C2-N3	-2.58	118.26	122.33
32	2a	1400	5MC	C5-C4-N3	-2.54	119.15	121.75
1	1A	1962	5MC	C5-C4-N3	-2.52	119.17	121.75
1	2A	2251	OMG	C5-C6-N1	2.52	118.87	114.07
1	1A	2503	2MA	C2-N1-C6	2.51	121.97	118.10
1	2A	1962	5MC	C5-C4-N3	-2.51	119.18	121.75
55	1x	76	31H	O4'-C1'-N9	2.50	112.06	108.75
54	1w	37	MIA	C4-C5-N7	-2.49	106.70	109.34
32	2a	527	7MG	C5-C6-N1	2.47	115.29	110.94
1	2A	1915	5MU	C5M-C5-C4	2.47	121.42	118.78
32	2a	966	M2G	C8-N7-C5	2.46	106.73	102.55
55	2x	32	5MC	O2-C2-N3	-2.45	118.47	122.33
43	2l	92	0TD	OD1-CG-CB	-2.44	117.32	122.44
1	2A	2503	2MA	C4-C5-N7	-2.44	106.76	109.34
54	2w	39	PSU	O2-C2-N1	-2.44	120.27	122.79
32	2a	1402	4OC	C6-C5-C4	2.44	119.94	117.00
1	1A	1939	5MU	O2-C2-N1	-2.44	119.62	122.80
32	1a	1402	4OC	C6-C5-C4	2.43	119.93	117.00
54	2w	8	4SU	O2-C2-N1	-2.43	119.64	122.80
1	1A	2251	OMG	O6-C6-C5	-2.43	119.51	124.32
56	1y	46	7MG	C5-C6-N1	2.42	115.20	110.94
1	2A	1942	5MC	O2-C2-N3	-2.41	118.53	122.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
56	1y	46	7MG	C5-C4-N9	-2.40	103.26	106.33
1	2A	2552	2MU	O4-C4-C5	-2.40	121.02	125.16
32	2a	967	5MC	C5-C4-N3	-2.39	119.31	121.75
55	2x	54	5MU	O2-C2-N1	-2.38	119.69	122.80
54	2w	37	MIA	C2-N1-C6	2.38	121.65	117.42
56	2y	46	7MG	C4-C5-N7	2.37	108.18	105.38
1	2A	2605	PSU	C5-C6-N1	-2.36	118.87	122.14
1	2A	2503	2MA	C5-C6-N1	-2.35	118.06	120.84
55	2x	76	31H	O4'-C1'-N9	-2.35	105.64	108.75
54	1w	37	MIA	N3-C2-N1	-2.34	122.75	127.03
56	2y	46	7MG	C5-C6-N1	2.34	115.06	110.94
32	2a	1404	5MC	C5-C4-N3	-2.34	119.36	121.75
55	1x	76	31H	O2'-C2'-C3'	2.33	116.87	111.16
55	1x	8	4SU	O2-C2-N3	-2.32	117.20	121.49
54	2w	46	7MG	O6-C6-C5	-2.32	121.92	127.62
55	1x	8	4SU	C1'-N1-C2	2.32	121.75	117.59
1	1A	1915	5MU	C5M-C5-C4	2.31	121.25	118.78
55	1x	76	31H	OCN-CN-N	-2.28	119.42	125.32
54	2w	37	MIA	C4-C5-N7	-2.28	106.93	109.34
32	1a	527	7MG	C5-C4-N9	-2.28	103.42	106.33
54	2w	32	PSU	C5-C6-N1	-2.27	118.99	122.14
55	1x	8	4SU	S4-C4-N3	-2.27	117.83	120.20
32	1a	1404	5MC	CM5-C5-C6	-2.27	119.78	122.85
54	2w	54	5MU	O2-C2-N1	-2.26	119.86	122.80
32	1a	527	7MG	O6-C6-C5	-2.23	122.14	127.62
1	1A	1942	5MC	CM5-C5-C6	-2.22	119.84	122.85
32	1a	1207	2MG	CM2-N2-C2	-2.20	118.93	123.65
55	2x	76	31H	OCN-CN-N	-2.19	119.65	125.32
56	2y	8	4SU	C1'-N1-C2	2.17	121.49	117.59
32	1a	1498	UR3	C3U-N3-C2	2.17	121.11	117.33
1	1A	2552	2MU	C2'-C1'-N1	-2.15	110.16	114.24
54	1w	76	F3N	C3'-N3'-C	-2.15	119.94	123.20
54	1w	37	MIA	C11-S10-C2	-2.14	100.64	102.25
55	1x	76	31H	CA-N-CN	-2.14	119.53	122.82
32	2a	527	7MG	C5-C4-N9	-2.14	103.60	106.33
54	1w	46	7MG	C5-C6-N1	2.12	114.66	110.94
32	1a	516	PSU	O4'-C1'-C2'	2.11	108.07	105.15
54	1w	8	4SU	C5-C4-S4	-2.11	121.89	124.31
56	2y	39	PSU	O2-C2-N1	-2.11	120.61	122.79
32	2a	1400	5MC	O2-C2-N3	-2.10	119.02	122.33
1	2A	1911	PSU	C5-C6-N1	-2.10	119.23	122.14
56	2y	46	7MG	O6-C6-C5	-2.09	122.49	127.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1A	1911	PSU	C5-C6-N1	-2.09	119.24	122.14
54	2w	39	PSU	C6-C5-C4	-2.09	116.77	118.17
32	1a	516	PSU	C5-C6-N1	-2.08	119.26	122.14
1	1A	2251	OMG	C5-C6-N1	2.07	118.03	114.07
1	1A	1920	4OC	O2-C2-N3	-2.07	119.06	122.33
1	1A	1962	5MC	CM5-C5-C6	-2.07	120.05	122.85
54	2w	46	7MG	N2-C2-N3	-2.07	115.64	119.67
55	1x	54	5MU	O2-C2-N1	-2.06	120.12	122.80
32	2a	1402	4OC	O2-C2-N3	-2.05	119.09	122.33
32	2a	1400	5MC	CM5-C5-C6	-2.05	120.07	122.85
54	2w	37	MIA	C1'-N9-C4	2.05	130.25	126.64
54	1w	39	PSU	C5-C6-N1	-2.04	119.30	122.14
55	1x	76	31H	C6-C5-C4	2.04	121.87	117.90
32	2a	1207	2MG	N1-C2-N2	2.04	118.64	116.56
55	1x	55	PSU	C5-C6-N1	-2.03	119.32	122.14
55	2x	76	31H	CA-N-CN	-2.03	119.69	122.82
56	2y	39	PSU	O2-C2-N3	-2.03	118.26	121.86
55	2x	55	PSU	C5-C6-N1	-2.02	119.33	122.14
54	1w	76	F3N	O2'-C2'-C3'	-2.02	106.22	111.16
32	1a	1400	5MC	O2-C2-N3	-2.02	119.15	122.33
1	1A	2605	PSU	C6-C5-C4	-2.02	116.81	118.17
1	2A	1915	5MU	C5M-C5-C6	-2.01	120.12	122.85
56	2y	32	PSU	C6-C5-C4	-2.01	116.82	118.17
55	2x	8	4SU	O2-C2-N3	-2.00	117.79	121.49
32	2a	1498	UR3	C3U-N3-C4	2.00	120.65	117.87
1	1A	2503	2MA	C5-C6-N1	-2.00	118.47	120.84

There are no chirality outliers.

All (57) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
32	1a	1519	MA6	O4'-C4'-C5'-O5'
43	1l	92	0TD	CG-CB-SB-CSB
43	1l	92	0TD	SB-CB-CG-OD2
54	1w	37	MIA	C12-C13-C14-C16
56	1y	46	7MG	C4'-C5'-O5'-P
32	2a	1519	MA6	O4'-C4'-C5'-O5'
43	2l	92	0TD	CA-CB-SB-CSB
43	2l	92	0TD	CG-CB-SB-CSB
56	2y	54	5MU	O4'-C4'-C5'-O5'
55	1x	76	31H	C3'-C4'-C5'-O5'
56	1y	54	5MU	O4'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
32	2a	527	7MG	C3'-C4'-C5'-O5'
56	2y	37	MIA	C3'-C4'-C5'-O5'
56	2y	54	5MU	C3'-C4'-C5'-O5'
55	2x	76	31H	O4'-C4'-C5'-O5'
55	2x	76	31H	C3'-C4'-C5'-O5'
32	1a	1519	MA6	C3'-C4'-C5'-O5'
56	2y	37	MIA	O4'-C4'-C5'-O5'
55	1x	76	31H	O4'-C4'-C5'-O5'
32	2a	1519	MA6	C3'-C4'-C5'-O5'
56	1y	54	5MU	C3'-C4'-C5'-O5'
32	1a	527	7MG	C3'-C4'-C5'-O5'
55	2x	76	31H	C4'-C5'-O5'-P
32	2a	527	7MG	O4'-C4'-C5'-O5'
56	2y	46	7MG	O4'-C4'-C5'-O5'
54	2w	76	F3N	N-CA-CB-CG
54	1w	46	7MG	C4'-C5'-O5'-P
32	2a	1402	4OC	O4'-C4'-C5'-O5'
56	2y	46	7MG	C2'-C1'-N9-C8
56	2y	46	7MG	O4'-C1'-N9-C4
56	1y	46	7MG	C2'-C1'-N9-C8
54	2w	46	7MG	C2'-C1'-N9-C8
56	2y	46	7MG	C3'-C4'-C5'-O5'
43	1l	92	0TD	SB-CB-CG-OD1
55	1x	76	31H	C4'-C5'-O5'-P
32	2a	1519	MA6	C4'-C5'-O5'-P
56	1y	55	PSU	O4'-C1'-C5-C4
32	1a	527	7MG	O4'-C4'-C5'-O5'
1	1A	2503	2MA	C4'-C5'-O5'-P
32	2a	527	7MG	C4'-C5'-O5'-P
32	1a	1400	5MC	O4'-C4'-C5'-O5'
1	2A	1917	PSU	O4'-C4'-C5'-O5'
56	2y	37	MIA	C4'-C5'-O5'-P
43	1l	92	0TD	CA-CB-SB-CSB
54	2w	76	F3N	C-CA-CB-CG
32	1a	1519	MA6	C4'-C5'-O5'-P
32	2a	1404	5MC	C3'-C4'-C5'-O5'
56	1y	55	PSU	O4'-C1'-C5-C6
32	2a	1402	4OC	C3'-C2'-O2'-CM2
54	1w	76	F3N	O4'-C4'-C5'-O5'
54	2w	76	F3N	O4'-C4'-C5'-O5'
32	1a	527	7MG	C4'-C5'-O5'-P
54	2w	46	7MG	O4'-C1'-N9-C8

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Mol	Chain	Res	Type	Atoms
56	2y	46	7MG	O4'-C1'-N9-C8
32	2a	1402	4OC	C3'-C4'-C5'-O5'
56	1y	46	7MG	O4'-C1'-N9-C8
56	1y	46	7MG	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 2693 ligands modelled in this entry, 2689 are monoatomic - leaving 4 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
61	SF4	1d	302	35	0,12,12	-	-	-		
59	TEL	2A	3845	-	58,62,62	1.31	6 (10%)	74,92,92	1.82	12 (16%)
59	TEL	1A	4076	-	58,62,62	1.31	6 (10%)	74,92,92	1.44	6 (8%)
61	SF4	2d	303	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
61	SF4	1d	302	35	-	-	0/6/5/5
59	TEL	2A	3845	-	-	10/73/108/108	0/4/5/5
59	TEL	1A	4076	-	-	5/73/108/108	0/4/5/5

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
61	SF4	2d	303	35	-	-	0/6/5/5

All (12) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
59	2A	3845	TEL	O5-C10	5.42	1.44	1.35
59	1A	4076	TEL	O5-C10	4.97	1.43	1.35
59	2A	3845	TEL	O9-C15	4.71	1.45	1.34
59	1A	4076	TEL	O9-C15	4.66	1.45	1.34
59	1A	4076	TEL	O5-C2	-3.09	1.43	1.47
59	2A	3845	TEL	O5-C2	-3.00	1.43	1.47
59	1A	4076	TEL	O9-C4	-2.98	1.41	1.46
59	2A	3845	TEL	C36-N31	-2.70	1.34	1.38
59	1A	4076	TEL	C36-N31	-2.64	1.34	1.38
59	2A	3845	TEL	O9-C4	-2.60	1.42	1.46
59	1A	4076	TEL	C30-C26	-2.52	1.48	1.52
59	2A	3845	TEL	C21-C26	-2.13	1.49	1.52

All (18) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
59	2A	3845	TEL	O9-C15-C21	7.95	118.78	110.93
59	2A	3845	TEL	C17-C11-N6	-7.03	102.59	113.25
59	1A	4076	TEL	C17-C11-N6	-5.75	104.54	113.25
59	1A	4076	TEL	O9-C15-C21	5.34	116.20	110.93
59	2A	3845	TEL	C8-C4-C2	-3.86	109.91	115.23
59	2A	3845	TEL	C4-O9-C15	-3.30	112.43	118.20
59	2A	3845	TEL	O9-C15-O20	-3.03	118.49	123.95
59	2A	3845	TEL	C38-O32-C28	3.00	123.61	117.51
59	2A	3845	TEL	C55-C50-C54	-2.75	109.12	113.27
59	2A	3845	TEL	C56-N52-C47	2.71	121.59	116.85
59	1A	4076	TEL	O5-C2-C1	2.68	111.53	106.80
59	2A	3845	TEL	O5-C2-C1	2.46	111.13	106.80
59	2A	3845	TEL	O18-C13-C19	-2.40	116.97	121.30
59	1A	4076	TEL	C56-N52-C47	2.30	120.87	116.85
59	1A	4076	TEL	C8-C4-C2	-2.29	112.07	115.23
59	2A	3845	TEL	O5-C2-C3	2.28	105.59	103.28
59	2A	3845	TEL	O5-C10-N6	-2.24	108.08	109.86
59	1A	4076	TEL	C33-C28-C34	2.19	113.01	109.79

There are no chirality outliers.

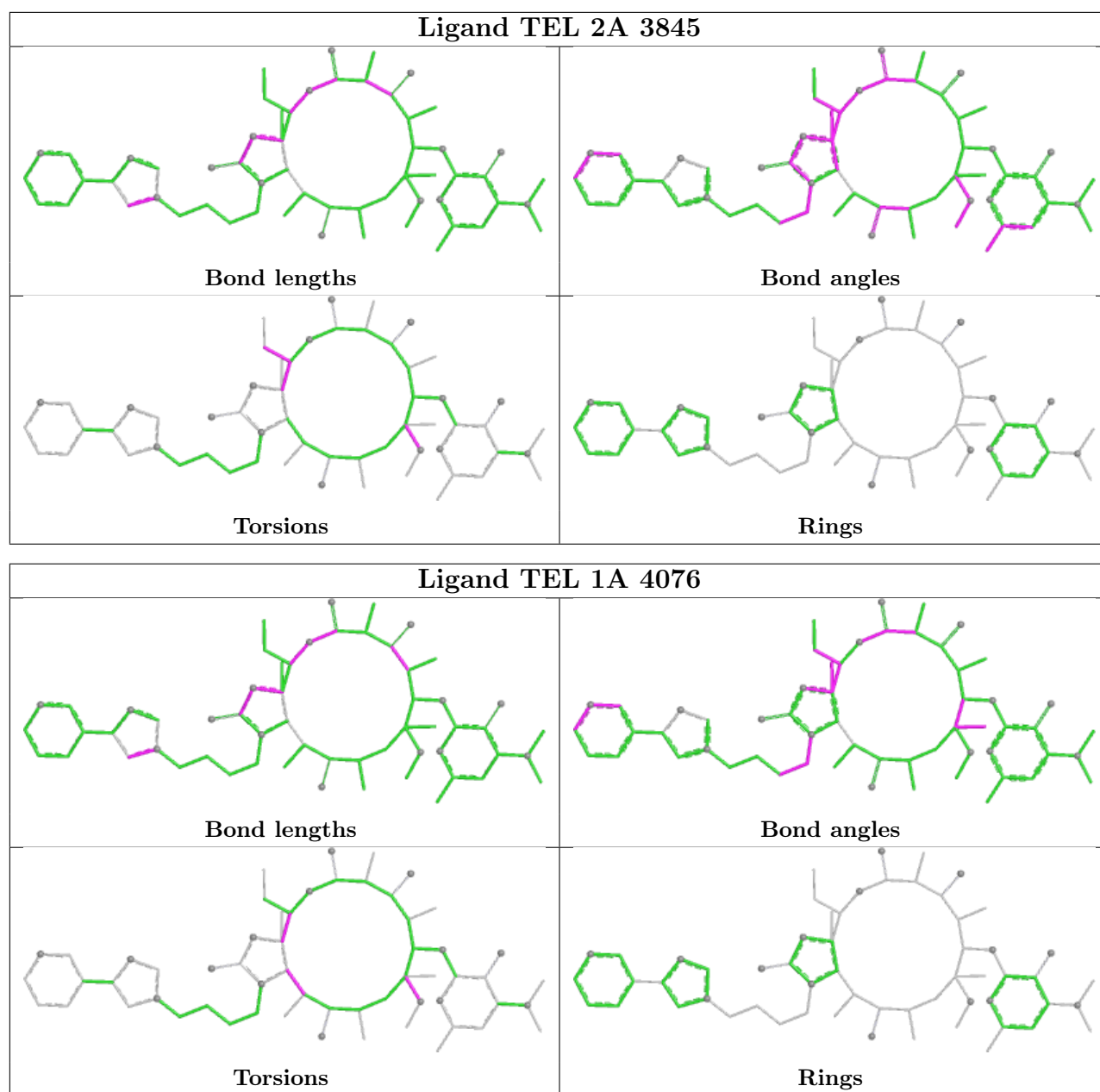
All (15) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
59	2A	3845	TEL	C1-C2-C4-C8
59	2A	3845	TEL	C3-C2-C4-C8
59	2A	3845	TEL	O5-C2-C4-C8
59	2A	3845	TEL	O5-C2-C4-O9
59	2A	3845	TEL	C24-C28-O32-C38
59	2A	3845	TEL	C33-C28-O32-C38
59	2A	3845	TEL	C34-C28-O32-C38
59	2A	3845	TEL	C1-C2-C4-O9
59	2A	3845	TEL	C3-C2-C4-O9
59	2A	3845	TEL	O9-C4-C8-C14
59	1A	4076	TEL	N6-C3-C7-C12
59	1A	4076	TEL	C34-C28-O32-C38
59	1A	4076	TEL	C1-C2-C4-C8
59	1A	4076	TEL	C24-C28-O32-C38
59	1A	4076	TEL	C33-C28-O32-C38

There are no ring outliers.

No monomer is involved in short contacts.

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.



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	2860/2915 (98%)	-0.54	158 (5%) 32 26	18, 34, 91, 102	0
1	2A	2789/2915 (95%)	-0.12	134 (4%) 36 31	27, 51, 88, 101	0
2	1B	120/121 (99%)	-0.40	0 100 100	29, 46, 60, 87	0
2	2B	120/121 (99%)	0.57	2 (1%) 69 64	55, 68, 78, 87	0
3	1D	275/276 (99%)	-0.42	1 (0%) 89 86	19, 34, 47, 70	0
3	2D	275/276 (99%)	-0.13	2 (0%) 84 81	26, 45, 58, 78	0
4	1E	204/206 (99%)	-0.35	0 100 100	19, 38, 57, 67	0
4	2E	204/206 (99%)	0.09	1 (0%) 87 84	30, 53, 66, 78	0
5	1F	203/210 (96%)	-0.30	0 100 100	19, 40, 62, 79	0
5	2F	203/210 (96%)	0.22	3 (1%) 71 67	30, 61, 73, 80	0
6	1G	181/182 (99%)	0.26	5 (2%) 55 49	35, 54, 70, 76	0
6	2G	181/182 (99%)	0.73	6 (3%) 49 43	56, 71, 78, 82	0
7	1H	174/180 (96%)	0.12	2 (1%) 77 74	35, 52, 64, 68	0
7	2H	174/180 (96%)	0.87	12 (6%) 24 19	59, 76, 82, 90	0
8	1I	146/148 (98%)	0.54	2 (1%) 73 68	39, 66, 75, 81	0
8	2I	146/148 (98%)	0.73	5 (3%) 48 42	53, 67, 77, 80	0
9	1N	140/140 (100%)	-0.29	0 100 100	23, 38, 59, 67	0
9	2N	140/140 (100%)	0.22	4 (2%) 54 48	38, 56, 70, 80	0
10	1O	122/122 (100%)	-0.42	0 100 100	27, 38, 54, 59	0
10	2O	122/122 (100%)	0.05	0 100 100	38, 50, 65, 72	0
11	1P	149/150 (99%)	-0.19	0 100 100	20, 42, 64, 69	0
11	2P	149/150 (99%)	0.41	6 (4%) 43 37	34, 60, 75, 87	0
12	1Q	141/141 (100%)	-0.30	0 100 100	23, 39, 55, 67	0
12	2Q	141/141 (100%)	0.46	3 (2%) 63 58	38, 57, 68, 76	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.49	0 100 100	25, 34, 47, 57	0
13	2R	118/118 (100%)	-0.09	0 100 100	34, 47, 56, 61	0
14	1S	110/112 (98%)	-0.04	0 100 100	37, 46, 57, 66	0
14	2S	110/112 (98%)	0.68	4 (3%) 46 40	55, 64, 71, 75	0
15	1T	131/146 (89%)	-0.12	2 (1%) 71 67	30, 42, 64, 73	0
15	2T	131/146 (89%)	0.22	2 (1%) 71 67	43, 55, 68, 74	0
16	1U	116/118 (98%)	-0.57	0 100 100	19, 30, 47, 60	0
16	2U	116/118 (98%)	0.20	0 100 100	39, 53, 67, 74	0
17	1V	101/101 (100%)	-0.42	0 100 100	22, 39, 54, 63	0
17	2V	101/101 (100%)	0.35	1 (0%) 79 75	38, 63, 70, 80	0
18	1W	112/113 (99%)	-0.50	1 (0%) 81 77	22, 31, 47, 74	0
18	2W	112/113 (99%)	-0.00	2 (1%) 67 62	33, 45, 61, 78	0
19	1X	95/96 (98%)	-0.31	2 (2%) 63 58	24, 35, 55, 69	0
19	2X	95/96 (98%)	0.35	5 (5%) 33 28	39, 53, 68, 76	0
20	1Y	107/110 (97%)	-0.03	0 100 100	34, 46, 61, 75	0
20	2Y	107/110 (97%)	0.76	7 (6%) 26 21	54, 65, 76, 85	0
21	1Z	154/206 (74%)	0.51	9 (5%) 30 24	41, 61, 78, 84	0
21	2Z	160/206 (77%)	1.10	21 (13%) 8 6	55, 73, 84, 88	0
22	10	83/85 (97%)	-0.36	0 100 100	26, 35, 47, 60	0
22	20	83/85 (97%)	0.34	1 (1%) 76 72	36, 54, 63, 68	0
23	11	97/98 (98%)	-0.03	1 (1%) 79 75	26, 42, 64, 72	0
23	21	97/98 (98%)	0.27	1 (1%) 79 75	38, 54, 70, 73	0
24	12	70/72 (97%)	0.01	0 100 100	32, 45, 57, 65	0
24	22	70/72 (97%)	0.75	6 (8%) 18 15	53, 63, 72, 85	0
25	13	59/60 (98%)	-0.37	0 100 100	22, 35, 56, 67	0
25	23	59/60 (98%)	0.25	1 (1%) 69 64	44, 57, 72, 81	0
26	14	69/71 (97%)	0.72	8 (11%) 11 8	49, 71, 81, 84	0
26	24	69/71 (97%)	1.30	13 (18%) 4 3	72, 80, 88, 90	0
27	15	59/60 (98%)	-0.63	0 100 100	21, 33, 52, 57	0
27	25	59/60 (98%)	-0.08	0 100 100	30, 46, 62, 74	0
28	16	53/54 (98%)	-0.38	0 100 100	32, 42, 52, 57	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.18	0 100 100	45, 55, 63, 65	0
29	17	48/49 (97%)	-0.58	1 (2%) 63 58	21, 26, 49, 58	0
29	27	48/49 (97%)	-0.28	1 (2%) 63 58	30, 38, 56, 64	0
30	18	64/65 (98%)	-0.34	0 100 100	25, 32, 40, 48	0
30	28	64/65 (98%)	0.07	0 100 100	40, 49, 55, 61	0
31	19	37/37 (100%)	-0.30	0 100 100	26, 37, 53, 60	0
31	29	37/37 (100%)	0.51	3 (8%) 19 16	49, 59, 69, 72	0
32	1a	1488/1521 (97%)	0.12	40 (2%) 56 50	31, 58, 86, 99	0
32	2a	1491/1521 (98%)	0.49	72 (4%) 36 31	43, 70, 88, 101	0
33	1b	231/256 (90%)	0.79	22 (9%) 15 13	56, 71, 81, 88	0
33	2b	231/256 (90%)	1.10	23 (9%) 14 12	65, 76, 82, 85	0
34	1c	206/239 (86%)	0.41	5 (2%) 59 54	52, 63, 75, 81	0
34	2c	206/239 (86%)	0.98	15 (7%) 22 18	64, 75, 82, 87	0
35	1d	208/209 (99%)	0.53	7 (3%) 48 42	46, 61, 70, 74	0
35	2d	208/209 (99%)	0.75	11 (5%) 33 28	55, 68, 75, 79	0
36	1e	148/162 (91%)	0.26	2 (1%) 73 68	45, 57, 67, 75	0
36	2e	148/162 (91%)	0.76	6 (4%) 42 36	60, 69, 76, 81	0
37	1f	100/101 (99%)	0.17	2 (2%) 64 59	46, 57, 66, 69	0
37	2f	100/101 (99%)	0.30	1 (1%) 79 75	51, 63, 69, 76	0
38	1g	155/156 (99%)	0.48	7 (4%) 39 33	55, 65, 78, 86	0
38	2g	155/156 (99%)	0.88	13 (8%) 18 15	63, 73, 80, 86	0
39	1h	137/138 (99%)	0.25	3 (2%) 62 57	51, 60, 67, 76	0
39	2h	137/138 (99%)	0.78	5 (3%) 46 40	61, 69, 75, 82	0
40	1i	127/128 (99%)	0.86	4 (3%) 51 46	49, 69, 76, 80	0
40	2i	127/128 (99%)	1.40	24 (18%) 4 3	66, 77, 83, 87	0
41	1j	97/105 (92%)	0.93	5 (5%) 34 28	51, 69, 79, 82	0
41	2j	96/105 (91%)	1.67	34 (35%) 1 1	65, 78, 84, 86	0
42	1k	114/129 (88%)	0.44	3 (2%) 57 51	39, 62, 71, 73	0
42	2k	114/129 (88%)	0.58	4 (3%) 47 41	50, 66, 74, 79	0
43	1l	121/132 (91%)	-0.08	1 (0%) 82 79	36, 45, 59, 68	0
43	2l	121/132 (91%)	0.28	1 (0%) 82 79	48, 59, 67, 71	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	123/126 (97%)	0.57	8 (6%) 26 21	45, 64, 72, 81	0
44	2m	122/126 (96%)	1.39	20 (16%) 5 4	63, 75, 81, 84	0
45	1n	60/61 (98%)	0.67	2 (3%) 49 43	51, 59, 66, 72	0
45	2n	60/61 (98%)	1.78	27 (45%) 1 1	68, 76, 81, 82	0
46	1o	88/89 (98%)	0.38	0 100 100	41, 58, 68, 71	0
46	2o	88/89 (98%)	0.47	3 (3%) 48 42	54, 65, 74, 76	0
47	1p	82/88 (93%)	0.96	10 (12%) 10 7	53, 62, 69, 75	0
47	2p	82/88 (93%)	0.74	2 (2%) 59 54	51, 63, 71, 77	0
48	1q	99/105 (94%)	0.48	0 100 100	46, 61, 70, 75	0
48	2q	99/105 (94%)	0.54	2 (2%) 64 59	56, 66, 74, 77	0
49	1r	68/88 (77%)	0.21	1 (1%) 71 67	49, 59, 69, 74	0
49	2r	68/88 (77%)	0.42	0 100 100	56, 65, 75, 79	0
50	1s	83/93 (89%)	0.55	3 (3%) 46 40	56, 65, 75, 78	0
50	2s	83/93 (89%)	1.22	14 (16%) 5 4	72, 77, 83, 85	0
51	1t	96/106 (90%)	0.66	4 (4%) 41 35	53, 63, 73, 79	0
51	2t	96/106 (90%)	0.54	3 (3%) 51 46	51, 64, 76, 78	0
52	1u	23/27 (85%)	1.16	4 (17%) 5 4	56, 62, 67, 72	0
52	2u	23/27 (85%)	1.91	12 (52%) 0 0	68, 76, 78, 80	0
53	1v	13/24 (54%)	0.52	2 (15%) 6 5	40, 46, 87, 94	0
53	2v	13/24 (54%)	1.12	3 (23%) 2 2	57, 65, 89, 102	0
54	1w	66/76 (86%)	1.03	9 (13%) 8 6	23, 78, 90, 96	0
54	2w	64/76 (84%)	1.29	13 (20%) 3 3	38, 84, 91, 98	0
55	1x	71/77 (92%)	0.03	1 (1%) 73 68	21, 54, 76, 83	0
55	2x	71/77 (92%)	0.33	1 (1%) 73 68	34, 67, 81, 91	0
56	1y	67/76 (88%)	1.69	20 (29%) 1 1	58, 93, 98, 99	0
56	2y	66/76 (86%)	1.92	25 (37%) 1 1	68, 95, 99, 102	0
All	All	20871/21748 (95%)	0.17	937 (4%) 39 33	18, 57, 82, 102	0

All (937) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
44	2m	123	ALA	11.8
44	2m	124	PRO	10.6

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Mol	Chain	Res	Type	RSRZ
45	1n	2	ALA	7.0
1	2A	2146	C	7.0
54	1w	70	G	6.4
1	1A	2115	G	5.9
44	1m	124	PRO	5.9
44	2m	122	LYS	5.8
1	2A	2145	C	5.7
1	1A	2130	U	5.6
32	2a	1030(A)	G	5.6
23	1l	2	SER	5.5
32	2a	1030(B)	C	5.5
45	2n	2	ALA	5.3
32	2a	1033	G	5.2
1	2A	2112	G	5.1
32	2a	1032	G	5.1
1	1A	2803	C	5.1
1	2A	2133	G	5.1
1	2A	2155	G	5.0
1	2A	2144	U	5.0
1	1A	885	C	5.0
1	2A	2100	G	5.0
54	2w	71	G	5.0
1	1A	2112	G	4.9
1	1A	2114	A	4.9
32	2a	1034	G	4.9
1	1A	1078	U	4.9
1	2A	2111	C	4.9
1	2A	2174	C	4.8
44	1m	123	ALA	4.8
1	2A	2143	C	4.8
33	1b	9	GLU	4.8
1	2A	2802	G	4.7
54	2w	70	G	4.7
1	1A	2793	G	4.7
1	1A	2136	C	4.6
1	2A	2147	G	4.6
1	1A	2131	G	4.5
1	2A	883	G	4.5
53	2v	12	A	4.5
32	1a	1532	U	4.5
1	2A	2128	C	4.5
33	1b	188	ALA	4.5

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Mol	Chain	Res	Type	RSRZ
32	2a	1031	G	4.5
32	2a	1030	C	4.5
41	2j	34	VAL	4.5
1	2A	2113	U	4.4
44	1m	2	ALA	4.4
33	2b	21	ARG	4.4
1	1A	1064	C	4.4
1	2A	2127	G	4.3
1	2A	2154	G	4.3
1	1A	896	A	4.3
38	1g	80	VAL	4.3
44	2m	102	ARG	4.3
1	1A	2159	G	4.3
1	2A	2125	G	4.3
20	2Y	54	LYS	4.3
54	1w	71	G	4.3
1	1A	2132	U	4.2
1	2A	2126	A	4.2
1	2A	2803	C	4.2
1	2A	2101	G	4.2
54	1w	72	C	4.2
26	14	56	VAL	4.2
40	2i	14	VAL	4.2
21	1Z	141	VAL	4.1
1	1A	2174	C	4.1
1	2A	2165	G	4.1
40	1i	2	GLU	4.1
1	1A	2170	A	4.1
42	2k	25	TYR	4.1
1	1A	1075	C	4.1
1	2A	884	C	4.0
33	1b	10	LEU	4.0
21	2Z	172	ALA	4.0
32	2a	1532	U	4.0
1	1A	2129	C	4.0
21	2Z	149	SER	4.0
21	1Z	1	MET	4.0
38	2g	84	ASN	4.0
44	2m	120	LYS	3.9
1	2A	2115	G	3.9
1	1A	888	C	3.9
1	1A	2142	C	3.9

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Mol	Chain	Res	Type	RSRZ
1	1A	2143	C	3.9
40	2i	13	ALA	3.9
23	21	2	SER	3.9
32	2a	1035	A	3.9
1	2A	2162	G	3.9
26	24	51	ASP	3.9
1	1A	2145	C	3.9
21	2Z	174	VAL	3.9
1	1A	2135	A	3.9
1	1A	1176	G	3.8
1	2A	2175	C	3.8
51	1t	103	GLY	3.8
1	1A	2158	A	3.8
32	2a	1219	U	3.8
41	2j	85	LEU	3.8
1	1A	2141	G	3.8
1	1A	884	C	3.8
1	2A	896	A	3.8
1	2A	2170	A	3.8
32	1a	1531	A	3.8
1	2A	2182	G	3.7
32	1a	1036	G	3.7
38	2g	80	VAL	3.7
1	1A	2146	C	3.7
1	2A	2167	U	3.7
26	24	66	SER	3.7
56	1y	20	U	3.7
56	2y	33	U	3.7
26	24	50	VAL	3.7
1	1A	2133	G	3.7
1	2A	2123	G	3.7
32	1a	1021	G	3.7
32	2a	1002	G	3.7
1	1A	897	C	3.7
1	1A	2138	C	3.7
1	1A	1057	A	3.7
4	2E	204	ALA	3.7
40	2i	126	SER	3.7
1	1A	2113	U	3.7
1	2A	2169	A	3.7
53	1v	13	A	3.7
40	2i	102	LEU	3.6

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Mol	Chain	Res	Type	RSRZ
6	1G	146	TYR	3.6
1	1A	2189	U	3.6
1	2A	2129	C	3.6
32	2a	1249	C	3.6
21	1Z	146	ILE	3.6
1	2A	882	G	3.6
32	2a	1531	A	3.6
50	2s	79	THR	3.6
34	2c	2	GLY	3.6
1	1A	2160	G	3.6
1	2A	2166	G	3.6
1	1A	2169	A	3.6
1	2A	2164	C	3.6
1	1A	2101	G	3.5
1	1A	2119	A	3.5
1	1A	2182	G	3.5
1	2A	888	C	3.5
32	2a	1030(C)	G	3.5
54	1w	1	G	3.5
1	1A	1081	U	3.5
41	2j	38	ILE	3.5
41	2j	74	ILE	3.5
1	2A	2173	A	3.5
1	1A	2111	C	3.5
1	1A	2140	C	3.5
1	2A	2896	C	3.5
54	2w	72	C	3.5
1	2A	2168	G	3.5
33	1b	7	VAL	3.5
40	2i	36	TYR	3.5
1	1A	887	A	3.5
1	2A	2117	A	3.5
1	2A	2119	A	3.5
1	2A	2142	C	3.5
1	2A	2804	C	3.4
1	2A	2156	G	3.4
55	2x	47	U	3.4
1	1A	2117	A	3.4
42	2k	75	TYR	3.4
1	1A	2178	C	3.4
45	2n	25	VAL	3.4
1	1A	1088	A	3.4

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Mol	Chain	Res	Type	RSRZ
32	2a	1030(D)	A	3.4
1	2A	1536	C	3.4
32	1a	1025	U	3.4
1	2A	2124	G	3.4
35	2d	154	ASN	3.4
38	2g	82	GLY	3.4
38	2g	5	ARG	3.4
24	22	70	GLN	3.3
1	1A	1076	C	3.3
1	1A	2804	C	3.3
1	1A	1094	U	3.3
45	2n	38	GLY	3.3
32	2a	1027	C	3.3
35	2d	164	ALA	3.3
1	1A	1059	G	3.3
1	1A	2165	G	3.3
1	2A	881	G	3.3
21	2Z	150	LEU	3.3
53	2v	14	A	3.3
1	1A	898	C	3.3
1	1A	2108	C	3.3
15	1T	130	ALA	3.3
41	2j	32	ALA	3.3
1	2A	2793	G	3.3
32	2a	1224	G	3.3
7	2H	174	GLY	3.2
40	2i	2	GLU	3.2
56	1y	57	G	3.2
50	2s	9	VAL	3.2
56	2y	36	A	3.2
32	1a	1000	U	3.2
1	2A	2163	C	3.2
33	2b	237	ALA	3.2
1	1A	2792	G	3.2
1	2A	2160	G	3.2
40	2i	10	ARG	3.2
56	2y	34	G	3.2
32	1a	1286	A	3.2
54	2w	73	A	3.2
1	2A	2138	C	3.2
26	24	56	VAL	3.2
25	23	2	PRO	3.1

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Mol	Chain	Res	Type	RSRZ
1	2A	2159	G	3.1
32	1a	1023	G	3.1
32	1a	1257	U	3.1
32	2a	1447	A	3.1
21	2Z	144	LEU	3.1
40	1i	126	SER	3.1
33	2b	136	VAL	3.1
40	2i	9	ARG	3.1
1	1A	2137	C	3.1
1	1A	2896	C	3.1
54	2w	2	C	3.1
1	1A	1058	G	3.1
1	1A	2121	G	3.1
1	2A	11	G	3.1
1	2A	2110	G	3.1
32	2a	1257	U	3.1
8	2I	82	ARG	3.1
32	1a	1447	A	3.1
1	1A	886	C	3.1
19	1X	95	LEU	3.1
41	2j	65	LEU	3.1
1	2A	2130	U	3.1
52	2u	2	GLY	3.1
1	1A	1089	G	3.1
1	1A	2124	G	3.1
38	1g	85	TYR	3.1
54	1w	73	A	3.1
54	2w	15	G	3.1
56	2y	7	A	3.1
56	2y	35	A	3.1
33	1b	11	LEU	3.1
39	2h	107	LEU	3.1
33	1b	232	PRO	3.1
1	2A	2109	U	3.0
1	1A	548	A	3.0
1	1A	2171	A	3.0
1	2A	2134	A	3.0
1	2A	2171	A	3.0
56	1y	15	G	3.0
45	2n	36	PHE	3.0
1	1A	2107	C	3.0
1	2A	885	C	3.0

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Mol	Chain	Res	Type	RSRZ
1	2A	2139	C	3.0
56	2y	49	C	3.0
50	2s	2	PRO	3.0
51	2t	99	LEU	3.0
41	2j	42	THR	3.0
1	1A	1087	G	3.0
1	2A	2148	G	3.0
31	29	37	GLY	3.0
52	2u	4	GLY	3.0
35	2d	29	PRO	3.0
1	1A	2128	C	3.0
19	2X	69	TYR	3.0
21	2Z	146	ILE	3.0
37	2f	21	LEU	3.0
26	14	58	ARG	3.0
32	2a	1292	U	3.0
1	1A	2801(A)	A	3.0
1	1A	2181	G	3.0
1	2A	2153	G	3.0
32	2a	1021	G	3.0
56	1y	19	G	3.0
45	2n	3	ARG	3.0
1	2A	2137	C	3.0
33	1b	229	VAL	3.0
19	2X	92	LEU	2.9
1	1A	2125	G	2.9
1	1A	2162	G	2.9
1	1A	2166	G	2.9
1	2A	2104	G	2.9
1	2A	2157	G	2.9
32	1a	1030(A)	G	2.9
32	2a	630	G	2.9
38	1g	84	ASN	2.9
1	1A	889	C	2.9
26	14	4	GLY	2.9
41	1j	93	GLY	2.9
44	2m	119	GLY	2.9
1	1A	2102	U	2.9
41	2j	75	ILE	2.9
43	2l	64	TYR	2.9
32	2a	1248	A	2.9
45	2n	22	THR	2.9

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Mol	Chain	Res	Type	RSRZ
18	1W	112	GLY	2.9
1	1A	2123	G	2.9
56	2y	18	G	2.9
41	2j	88	LEU	2.9
1	1A	2161	C	2.9
1	1A	2164	C	2.9
1	2A	2105	C	2.9
32	1a	1446	U	2.9
41	2j	28	ARG	2.9
38	2g	154	TYR	2.9
44	2m	23	TYR	2.9
1	1A	1046	A	2.9
26	24	57	GLU	2.9
1	1A	1068	G	2.9
1	2A	2120	G	2.9
32	2a	1026	G	2.9
15	1T	131	ALA	2.9
36	1e	138	ALA	2.9
41	2j	33	GLN	2.9
19	2X	94	GLY	2.9
1	2A	2176	A	2.9
20	2Y	1	MET	2.8
32	1a	1035	A	2.9
53	1v	12	A	2.9
11	2P	15	ARG	2.8
33	1b	12	GLU	2.8
36	2e	41	VAL	2.8
3	2D	2	ALA	2.8
33	1b	237	ALA	2.8
1	1A	879	G	2.8
1	1A	1026	U	2.8
1	1A	2120	G	2.8
1	1A	2168	G	2.8
32	2a	4	U	2.8
56	2y	5	G	2.8
1	2A	898	C	2.8
42	2k	117	ASN	2.8
1	1A	1073	A	2.8
41	2j	35	SER	2.8
26	24	65	ASP	2.8
1	2A	1026	U	2.8
32	2a	1025	U	2.8

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Mol	Chain	Res	Type	RSRZ
1	2A	880	G	2.8
1	2A	2318	G	2.8
32	1a	1003	G	2.8
1	2A	2183	C	2.8
32	1a	1038	C	2.8
7	1H	2	SER	2.8
8	2I	55	ALA	2.8
56	1y	35	A	2.8
33	2b	17	PHE	2.8
33	2b	122	PHE	2.8
45	2n	14	PRO	2.8
11	2P	39	LYS	2.8
1	2A	1170	G	2.8
1	2A	2116	G	2.8
44	2m	121	LYS	2.8
50	2s	80	TYR	2.8
56	1y	36	A	2.8
33	2b	86	GLU	2.7
21	2Z	164	ALA	2.7
38	2g	40	ALA	2.7
50	2s	24	ALA	2.7
33	2b	215	LEU	2.7
1	2A	894	C	2.7
32	2a	999	C	2.7
1	1A	275	G	2.7
1	1A	2116	G	2.7
1	2A	2141	G	2.7
7	1H	92	ILE	2.7
52	1u	13	ILE	2.7
45	2n	33	VAL	2.7
47	1p	2	VAL	2.7
20	2Y	57	GLN	2.7
12	2Q	104	PHE	2.7
24	22	11	GLU	2.7
1	2A	652(T)	C	2.7
1	2A	2108	C	2.7
32	1a	1030	C	2.7
1	2A	2158	A	2.7
3	2D	276	LYS	2.7
33	2b	7	VAL	2.7
38	2g	4	ARG	2.7
52	2u	16	GLY	2.7

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Mol	Chain	Res	Type	RSRZ
1	1A	2180	U	2.7
21	1Z	148	ASP	2.7
24	22	12	GLU	2.7
32	2a	1007	C	2.7
32	2a	1029	C	2.7
26	24	49	PHE	2.7
1	1A	1063	G	2.7
1	2A	2319	G	2.7
1	2A	2893	G	2.7
1	1A	1098	A	2.7
1	2A	2114	A	2.7
1	1A	271(K)	U	2.6
1	1A	2144	U	2.6
1	1A	2150	U	2.6
1	2A	2897	U	2.6
45	2n	15	LYS	2.6
21	2Z	126	VAL	2.6
33	2b	121	LEU	2.6
41	2j	37	PRO	2.6
47	1p	82	GLN	2.6
50	2s	71	LEU	2.6
6	2G	145	THR	2.6
35	2d	115	ARG	2.6
41	2j	66	ARG	2.6
36	2e	85	GLY	2.6
44	2m	100	GLY	2.6
21	2Z	171	ILE	2.6
1	1A	2790	A	2.6
53	2v	13	A	2.6
1	1A	2100	G	2.6
1	2A	100	G	2.6
1	2A	2149	G	2.6
6	2G	146	TYR	2.6
45	2n	34	TYR	2.6
56	2y	15	G	2.6
47	1p	1	MET	2.6
33	2b	165	VAL	2.6
8	2I	146	ALA	2.6
33	1b	17	PHE	2.6
26	24	55	ARG	2.6
1	1A	1079	C	2.6
24	22	8	LYS	2.6

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Mol	Chain	Res	Type	RSRZ
32	1a	1029	C	2.6
32	2a	1149	C	2.6
35	2d	20	TYR	2.6
56	2y	21	A	2.6
1	1A	2156	G	2.6
1	2A	892	G	2.6
32	2a	1023	G	2.6
33	1b	230	VAL	2.6
47	2p	82	GLN	2.6
56	2y	53	G	2.6
1	1A	1082	U	2.6
1	2A	2150	U	2.6
35	1d	111	ALA	2.6
44	2m	105	THR	2.6
34	2c	205	GLY	2.6
41	2j	36	GLY	2.6
33	1b	134	GLU	2.6
34	2c	4	LYS	2.6
41	2j	49	VAL	2.6
1	1A	1532	C	2.6
1	2A	645	C	2.6
32	1a	1028	C	2.6
54	1w	2	C	2.6
12	2Q	10	ARG	2.6
26	14	59	PHE	2.6
42	2k	89	ALA	2.6
1	1A	1054	A	2.6
1	2A	2801(A)	A	2.6
32	1a	1503	A	2.6
1	1A	1101	U	2.6
1	1A	1175	U	2.6
1	1A	2147	G	2.6
1	1A	2802	G	2.6
1	2A	879	G	2.6
1	2A	2152	G	2.6
1	2A	2805	G	2.6
32	1a	1034	G	2.6
3	1D	276	LYS	2.5
52	2u	14	TRP	2.5
40	2i	125	TYR	2.5
41	2j	71	LEU	2.5
36	2e	148	VAL	2.5

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Mol	Chain	Res	Type	RSRZ
47	1p	62	VAL	2.5
51	2t	98	PRO	2.5
40	2i	66	ARG	2.5
21	1Z	51	ALA	2.5
35	1d	110	PHE	2.5
1	1A	2794	C	2.5
38	1g	82	GLY	2.5
1	1A	1096	A	2.5
1	2A	1445	A	2.5
56	2y	14	A	2.5
37	1f	17	SER	2.5
1	1A	883	G	2.5
1	1A	1091	G	2.5
1	2A	614(B)	G	2.5
32	1a	630	G	2.5
32	2a	1127	G	2.5
56	2y	57	G	2.5
39	1h	2	LEU	2.5
7	2H	128	PRO	2.5
41	2j	77	PRO	2.5
21	2Z	93	ASP	2.5
26	14	51	ASP	2.5
41	2j	73	ASP	2.5
45	2n	7	ILE	2.5
21	2Z	169	GLU	2.5
1	1A	34	C	2.5
1	1A	2175	C	2.5
7	2H	2	SER	2.5
32	1a	1008	C	2.5
1	2A	2135	A	2.5
1	1A	2109	U	2.5
45	2n	6	LEU	2.5
1	1A	2110	G	2.5
32	1a	1001(A)	G	2.5
36	2e	74	GLY	2.5
44	2m	37	THR	2.5
21	1Z	166	SER	2.5
38	1g	4	ARG	2.5
40	1i	66	ARG	2.5
1	1A	1080	C	2.5
1	1A	2122	U	2.5
1	2A	886	C	2.5

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Mol	Chain	Res	Type	RSRZ
1	2A	899	A	2.5
21	1Z	136	PHE	2.5
32	1a	149	A	2.5
33	2b	236	TYR	2.5
56	1y	13	C	2.5
56	1y	33	U	2.5
56	2y	47	U	2.5
41	1j	74	ILE	2.5
46	2o	20	GLY	2.5
51	2t	103	GLY	2.5
50	2s	77	THR	2.5
1	1A	881	G	2.4
6	1G	137	GLU	2.4
32	2a	1221	G	2.4
32	2a	1385	G	2.4
56	2y	19	G	2.4
34	2c	184	TYR	2.4
36	2e	21	ALA	2.4
44	1m	21	TYR	2.4
1	1A	2897	U	2.4
1	1A	1077	A	2.4
1	1A	1086	A	2.4
1	1A	1509	C	2.4
1	1A	2188	C	2.4
32	1a	1030(D)	A	2.4
32	2a	979	C	2.4
32	2a	1037	C	2.4
32	2a	1357	A	2.4
52	2u	8	THR	2.4
40	2i	12	GLU	2.4
22	20	84	LEU	2.4
21	2Z	166	SER	2.4
34	2c	154	SER	2.4
1	1A	880	G	2.4
1	1A	882	G	2.4
1	1A	2157	G	2.4
1	2A	2151	G	2.4
32	2a	1001(A)	G	2.4
33	1b	136	VAL	2.4
56	1y	34	G	2.4
20	2Y	55	TYR	2.4
34	1c	65	ALA	2.4

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Mol	Chain	Res	Type	RSRZ
40	2i	62	TYR	2.4
44	2m	87	TYR	2.4
26	14	64	GLY	2.4
32	2a	1004	A	2.4
1	2A	2107	C	2.4
1	2A	2188	C	2.4
1	2A	2789	C	2.4
56	2y	13	C	2.4
7	2H	60	ARG	2.4
6	2G	2	PRO	2.4
41	1j	77	PRO	2.4
40	2i	11	LYS	2.4
33	1b	19	HIS	2.4
50	2s	11	VAL	2.4
33	2b	123	ALA	2.4
26	24	63	TYR	2.4
34	1c	184	TYR	2.4
33	1b	38	GLY	2.4
33	1b	195	ASP	2.4
1	1A	2127	G	2.4
1	2A	2751	G	2.4
1	2A	2807	G	2.4
32	2a	1220	G	2.4
54	2w	5	G	2.4
7	2H	103	LEU	2.4
1	1A	2167	U	2.4
1	2A	2118	U	2.4
35	2d	165	MET	2.4
36	2e	10	MET	2.4
34	2c	167	TRP	2.4
1	1A	652(S)	C	2.4
1	2A	277	C	2.4
32	2a	1038	C	2.4
40	1i	13	ALA	2.4
48	2q	90	ILE	2.4
9	2N	73	THR	2.3
38	2g	12	LEU	2.3
29	27	47	ARG	2.3
45	2n	29	ARG	2.3
52	1u	24	ARG	2.3
52	2u	24	ARG	2.3
20	2Y	21	LYS	2.3

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Mol	Chain	Res	Type	RSRZ
33	1b	132	LYS	2.3
1	1A	1062	G	2.3
1	1A	2190	G	2.3
32	1a	1033	G	2.3
32	2a	1202	G	2.3
56	2y	6	G	2.3
1	2A	2132	U	2.3
21	2Z	74	VAL	2.3
32	2a	1358	U	2.3
41	2j	72	VAL	2.3
21	1Z	133	ILE	2.3
38	2g	83	ALA	2.3
1	1A	878	A	2.3
1	1A	890	A	2.3
32	2a	1001	A	2.3
19	1X	94	GLY	2.3
1	2A	2136	C	2.3
32	2a	1277	C	2.3
35	2d	155	LEU	2.3
50	2s	15	LEU	2.3
8	1I	70	GLU	2.3
33	1b	27	LYS	2.3
50	2s	76	PRO	2.3
41	1j	4	ILE	2.3
1	1A	895	U	2.3
1	1A	1099	G	2.3
1	1A	2148	G	2.3
1	1A	2207	G	2.3
1	2A	1171	G	2.3
32	1a	1031	G	2.3
54	1w	20	U	2.3
54	1w	69	G	2.3
56	1y	12	U	2.3
5	2F	208	GLY	2.3
38	2g	85	TYR	2.3
45	2n	21	TYR	2.3
45	2n	39	LEU	2.3
1	2A	229	A	2.3
9	2N	2	LYS	2.3
56	2y	9	A	2.3
47	1p	81	ARG	2.3
1	1A	2103	C	2.3

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Mol	Chain	Res	Type	RSRZ
1	2A	2140	C	2.3
32	1a	1027	C	2.3
32	1a	1132	C	2.3
32	2a	1028	C	2.3
54	2w	4	C	2.3
56	1y	62	C	2.3
56	1y	75	C	2.3
34	2c	195	VAL	2.3
41	1j	34	VAL	2.3
7	2H	123	PHE	2.3
34	1c	124	ILE	2.3
8	1I	65	ALA	2.3
21	2Z	173	ALA	2.3
38	1g	2	ALA	2.3
18	2W	112	GLY	2.3
33	1b	18	GLY	2.3
1	2A	2102	U	2.3
1	2A	2122	U	2.3
32	1a	841	U	2.3
32	2a	1150	U	2.3
35	2d	194	LEU	2.3
6	1G	48	GLU	2.3
26	24	32	TYR	2.3
40	2i	103	THR	2.3
43	1l	64	TYR	2.3
1	1A	2805	G	2.3
32	1a	1026	G	2.3
52	2u	6	ARG	2.3
56	1y	21	A	2.3
5	2F	6	VAL	2.3
1	1A	1052	C	2.3
1	1A	2105	C	2.3
1	2A	897	C	2.3
1	2A	1041	C	2.3
45	2n	37	PHE	2.3
45	2n	42	ILE	2.3
6	2G	50	ALA	2.3
35	1d	173	TRP	2.3
45	2n	20	ALA	2.3
45	2n	59	ALA	2.3
21	2Z	125	LEU	2.3
21	2Z	155	LEU	2.3

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Mol	Chain	Res	Type	RSRZ
35	1d	194	LEU	2.3
46	2o	88	ARG	2.2
11	2P	149	GLU	2.2
44	2m	58	GLU	2.2
1	1A	1065	U	2.2
1	1A	2104	G	2.2
1	1A	2151	G	2.2
1	1A	2155	G	2.2
1	2A	2181	G	2.2
1	2A	2792	G	2.2
26	24	59	PHE	2.2
32	2a	1024	G	2.2
54	1w	44	G	2.2
54	2w	69	G	2.2
41	2j	6	ILE	2.2
47	1p	19	ILE	2.2
1	1A	899	A	2.2
1	1A	2173	A	2.2
1	2A	652(B)	A	2.2
32	2a	1005	A	2.2
32	2a	1225	A	2.2
45	2n	30	ALA	2.2
31	29	21	GLY	2.2
40	2i	100	GLY	2.2
44	2m	6	GLY	2.2
1	2A	2161	C	2.2
32	1a	163	C	2.2
38	2g	115	ARG	2.2
24	22	66	GLU	2.2
31	29	12	ASP	2.2
34	1c	62	ASP	2.2
38	2g	45	ASP	2.2
41	2j	76	ASN	2.2
33	2b	16	HIS	2.2
1	1A	1060	U	2.2
7	2H	45	VAL	2.2
32	2a	204	U	2.2
45	2n	18	VAL	2.2
34	1c	100	ALA	2.2
44	1m	121	LYS	2.2
21	2Z	157	LEU	2.2
34	2c	52	LEU	2.2

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Mol	Chain	Res	Type	RSRZ
40	2i	67	GLY	2.2
1	1A	1055	G	2.2
1	1A	1071	G	2.2
1	2A	1042	G	2.2
7	2H	59	ARG	2.2
45	2n	35	ARG	2.2
56	1y	5	G	2.2
32	2a	1123	A	2.2
35	2d	71	SER	2.2
35	1d	179	GLU	2.2
40	2i	7	THR	2.2
1	1A	2183	C	2.2
18	2W	60	ASN	2.2
32	2a	1218	C	2.2
56	2y	48	C	2.2
47	1p	68	ASP	2.2
9	2N	9	VAL	2.2
40	2i	65	VAL	2.2
33	1b	127	ILE	2.2
1	1A	1097	U	2.2
1	2A	2189	U	2.2
33	2b	29	ALA	2.2
33	2b	221	LEU	2.2
51	1t	10	LEU	2.2
11	2P	44	GLY	2.2
41	2j	31	GLY	2.2
20	2Y	91	GLU	2.2
1	1A	1067	A	2.2
32	2a	1256	A	2.2
1	1A	2152	G	2.2
1	2A	2131	G	2.2
1	2A	2894	G	2.2
9	2N	45	ASN	2.2
32	2a	1272	G	2.2
35	2d	68	TYR	2.2
41	2j	78	ASN	2.2
44	2m	59	TYR	2.2
52	1u	21	TYR	2.2
54	2w	19	G	2.2
56	2y	1	G	2.2
14	2S	35	ILE	2.2
39	2h	134	ILE	2.2

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Mol	Chain	Res	Type	RSRZ
40	2i	18	PHE	2.2
41	2j	44	VAL	2.2
1	1A	2177	C	2.2
14	2S	59	LYS	2.2
56	1y	11	C	2.2
56	1y	48	C	2.2
17	2V	20	LEU	2.2
6	1G	83	ARG	2.2
44	2m	3	ARG	2.2
1	1A	9	U	2.1
1	2A	271(K)	U	2.1
32	2a	1159	U	2.1
50	2s	34	TRP	2.1
56	2y	12	U	2.1
7	2H	36	PRO	2.1
21	1Z	168	GLU	2.1
41	2j	87	THR	2.1
48	2q	85	VAL	2.1
1	1A	2134	A	2.1
1	1A	2176	A	2.1
2	2B	120	A	2.1
1	1A	1093	G	2.1
1	2A	10	G	2.1
32	1a	1042	G	2.1
32	2a	1003	G	2.1
32	2a	1036	G	2.1
32	2a	1182	G	2.1
39	2h	112	LEU	2.1
40	2i	99	LEU	2.1
41	2j	8	LEU	2.1
41	2j	90	LEU	2.1
34	2c	137	ALA	2.1
24	22	7	ARG	2.1
32	2a	980	C	2.1
56	1y	67	C	2.1
33	2b	91	PRO	2.1
52	1u	23	PRO	2.1
1	1A	1963	U	2.1
1	2A	895	U	2.1
32	1a	1135	U	2.1
32	2a	1136	U	2.1
41	2j	15	THR	2.1

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Mol	Chain	Res	Type	RSRZ
44	1m	49	THR	2.1
8	2I	29	TYR	2.1
21	2Z	165	VAL	2.1
34	2c	76	VAL	2.1
38	2g	42	ILE	2.1
45	2n	16	PHE	2.1
50	1s	12	ASP	2.1
51	1t	18	GLN	2.1
52	2u	21	TYR	2.1
19	2X	95	LEU	2.1
33	2b	120	ALA	2.1
45	1n	3	ARG	2.1
47	1p	5	ARG	2.1
32	2a	1092	A	2.1
44	2m	68	GLY	2.1
1	1A	892	G	2.1
1	2A	1533	G	2.1
32	1a	1010	G	2.1
32	1a	1024	G	2.1
32	2a	1276	G	2.1
56	2y	44	G	2.1
56	2y	52	G	2.1
5	2F	175	THR	2.1
32	1a	1030(B)	C	2.1
32	1a	1037	C	2.1
32	2a	1145	C	2.1
32	2a	1322	C	2.1
54	2w	13	C	2.1
1	2A	2099	U	2.1
32	1a	65	U	2.1
33	2b	127	ILE	2.1
41	2j	98	ILE	2.1
55	1x	47	U	2.1
36	1e	69	VAL	2.1
49	1r	86	VAL	2.1
19	2X	18	TYR	2.1
26	14	63	TYR	2.1
52	2u	5	ASP	2.1
34	2c	43	LEU	2.1
47	2p	74	LEU	2.1
7	2H	6	ARG	2.1
11	2P	102	ARG	2.1

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Mol	Chain	Res	Type	RSRZ
12	2Q	6	ARG	2.1
33	1b	34	ALA	2.1
44	2m	91	ARG	2.1
26	24	4	GLY	2.1
45	2n	28	GLY	2.1
52	2u	11	GLY	2.1
1	1A	1103	A	2.1
32	2a	978	A	2.1
54	2w	14	A	2.1
42	1k	51	LYS	2.1
47	1p	43	LYS	2.1
40	2i	64	THR	2.1
47	1p	22	THR	2.1
52	2u	17	THR	2.1
32	2a	631	G	2.1
33	2b	112	VAL	2.1
46	2o	60	VAL	2.1
1	1A	1092	C	2.1
32	2a	1043	C	2.1
39	2h	2	LEU	2.1
6	2G	49	ASP	2.1
35	1d	138	TYR	2.1
50	2s	13	ASP	2.1
54	2w	67	C	2.1
56	1y	56	C	2.1
56	2y	4	C	2.1
56	2y	56	C	2.1
14	2S	3	ARG	2.1
26	24	61	ARG	2.1
41	2j	5	ARG	2.1
38	1g	83	ALA	2.1
51	1t	95	ALA	2.1
35	2d	124	GLY	2.1
52	2u	19	GLY	2.1
20	2Y	34	LYS	2.0
39	1h	116	LYS	2.0
21	2Z	170	THR	2.0
41	2j	67	THR	2.0
7	2H	136	ILE	2.0
34	2c	157	ILE	2.0
1	2A	887	A	2.0
1	2A	901	A	2.0

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Mol	Chain	Res	Type	RSRZ
1	2A	1847	A	2.0
14	2S	85	VAL	2.0
33	2b	71	VAL	2.0
50	1s	9	VAL	2.0
50	2s	4	SER	2.0
56	1y	58	A	2.0
6	1G	152	LEU	2.0
6	2G	172	LEU	2.0
40	2i	96	LEU	2.0
44	2m	19	LEU	2.0
11	2P	79	ARG	2.0
50	2s	29	ARG	2.0
26	14	32	TYR	2.0
34	2c	29	TYR	2.0
15	2T	130	ALA	2.0
34	2c	129	ALA	2.0
35	1d	195	ALA	2.0
1	2A	271(M)	G	2.0
1	2A	2106	G	2.0
56	1y	53	G	2.0
2	2B	6	C	2.0
34	2c	73	PRO	2.0
39	1h	72	PRO	2.0
33	2b	22	LYS	2.0
33	1b	40	HIS	2.0
33	2b	134	GLU	2.0
37	1f	41	GLU	2.0
42	1k	106	LYS	2.0
44	1m	122	LYS	2.0
44	2m	67	GLU	2.0
45	2n	11	LYS	2.0
45	2n	58	LYS	2.0
50	1s	27	GLU	2.0
7	2H	9	ILE	2.0
33	2b	108	ILE	2.0
41	2j	92	THR	2.0
8	2I	75	LEU	2.0
15	2T	49	VAL	2.0
21	2Z	76	LEU	2.0
21	2Z	96	VAL	2.0
39	2h	39	LEU	2.0
40	2i	28	VAL	2.0

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Mol	Chain	Res	Type	RSRZ
41	2j	46	ARG	2.0
44	1m	3	ARG	2.0
45	2n	23	ARG	2.0
29	17	45	ALA	2.0
32	1a	143	A	2.0
32	2a	250	A	2.0
32	2a	1130	A	2.0
32	2a	1146	A	2.0
32	2a	1279	A	2.0
40	2i	119	ALA	2.0
42	1k	25	TYR	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
56	4SU	2y	8	20/21	0.42	0.19	95,101,112,124	0
56	7MG	1y	46	24/25	0.46	0.17	84,91,98,114	0
56	7MG	2y	46	24/25	0.50	0.18	88,94,102,113	0
56	5MU	2y	54	21/22	0.55	0.17	87,95,102,121	0
56	MIA	2y	37	22/30	0.60	0.16	75,92,102,116	0
56	PSU	1y	55	20/21	0.61	0.15	87,94,104,113	0
54	7MG	1w	46	24/25	0.63	0.17	73,80,98,118	0
54	7MG	2w	46	24/25	0.65	0.17	74,84,101,121	0
56	PSU	2y	55	20/21	0.66	0.15	89,93,100,109	0
56	4SU	1y	8	20/21	0.67	0.14	88,94,102,115	0
56	PSU	2y	39	20/21	0.71	0.14	86,91,98,108	0
56	MIA	1y	37	22/30	0.72	0.15	76,87,98,106	0
56	5MU	1y	54	21/22	0.73	0.12	85,91,97,114	0
56	PSU	1y	39	20/21	0.74	0.15	79,88,95,97	0
56	PSU	1y	32	20/21	0.78	0.15	80,89,98,105	0
56	PSU	2y	32	20/21	0.80	0.14	82,91,98,103	0
54	PSU	2w	55	20/21	0.84	0.11	71,78,85,90	0
54	4SU	2w	8	20/21	0.86	0.14	75,83,98,102	0
54	4SU	1w	8	20/21	0.87	0.13	72,78,86,90	0
54	PSU	2w	32	20/21	0.89	0.13	68,72,77,83	0
55	PSU	2x	55	20/21	0.90	0.09	63,70,78,81	0
54	PSU	1w	55	20/21	0.90	0.10	60,67,74,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	2MG	2a	1207	24/25	0.90	0.11	69,74,79,81	0
55	4SU	2x	8	20/21	0.90	0.10	62,67,73,74	0
32	M2G	2a	966	25/26	0.91	0.15	54,61,73,79	0
55	5MU	2x	54	21/22	0.91	0.12	70,75,82,86	0
55	5MC	2x	32	21/22	0.92	0.13	63,67,73,75	0
55	5MU	1x	54	21/22	0.92	0.11	56,63,66,73	0
54	5MU	2w	54	21/22	0.92	0.10	62,69,74,76	0
32	PSU	2a	516	20/21	0.92	0.09	61,68,72,72	0
54	MIA	2w	37	25/30	0.92	0.13	51,66,73,93	0
43	0TD	2l	92	10/11	0.93	0.10	50,56,58,65	0
54	PSU	1w	32	20/21	0.93	0.10	52,60,71,72	0
54	5MU	1w	54	21/22	0.93	0.09	43,57,64,68	0
55	4SU	1x	8	20/21	0.94	0.10	43,55,66,66	0
54	PSU	2w	39	20/21	0.94	0.10	63,69,76,79	0
32	5MC	2a	967	21/22	0.94	0.12	53,63,70,77	0
55	5MC	1x	32	21/22	0.94	0.10	42,46,52,55	0
32	5MC	2a	1400	21/22	0.94	0.15	58,62,68,70	0
43	0TD	1l	92	10/11	0.94	0.09	38,44,47,48	0
1	5MU	2A	1915	21/22	0.94	0.10	50,60,66,71	0
55	PSU	1x	55	20/21	0.94	0.09	54,59,69,70	0
32	PSU	1a	516	20/21	0.95	0.09	44,50,54,56	0
32	2MG	1a	1207	24/25	0.95	0.10	52,56,60,63	0
1	PSU	2A	1917	20/21	0.95	0.08	48,57,60,62	0
32	5MC	2a	1404	21/22	0.95	0.10	43,52,56,60	0
32	5MC	2a	1407	21/22	0.95	0.10	43,48,51,54	0
54	MIA	1w	37	29/30	0.95	0.11	32,44,61,88	0
32	7MG	2a	527	24/25	0.95	0.10	49,58,64,71	0
1	5MU	1A	1915	21/22	0.95	0.10	35,43,49,52	0
32	M2G	1a	966	25/26	0.96	0.08	36,47,53,60	0
32	MA6	2a	1518	24/25	0.96	0.09	46,53,59,60	0
32	7MG	1a	527	24/25	0.96	0.08	35,43,51,56	0
1	5MC	2A	1942	21/22	0.96	0.08	42,51,55,62	0
32	MA6	1a	1519	24/25	0.96	0.08	35,39,43,44	0
32	4OC	2a	1402	22/23	0.96	0.10	37,57,59,62	0
1	PSU	2A	1911	20/21	0.96	0.09	45,58,61,61	0
55	31H	2x	76	32/33	0.96	0.08	28,34,37,39	0
1	4OC	2A	1920	21/23	0.97	0.07	43,52,56,58	0
1	5MC	1A	1942	21/22	0.97	0.08	29,35,42,48	0
1	5MC	2A	1962	21/22	0.97	0.08	39,43,51,66	0
32	UR3	2a	1498	21/22	0.97	0.09	38,51,56,59	0
1	OMG	2A	2251	24/25	0.97	0.07	30,33,40,41	0
32	MA6	2a	1519	24/25	0.97	0.10	46,54,57,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
1	2MU	2A	2552	21/23	0.97	0.08	33,37,43,45	0
32	5MC	1a	1400	21/22	0.97	0.08	36,42,46,48	0
32	4OC	1a	1402	22/23	0.97	0.07	35,40,47,51	0
54	PSU	1w	39	20/21	0.97	0.07	46,54,65,69	0
32	5MC	1a	1407	21/22	0.97	0.06	29,34,39,42	0
1	PSU	1A	1917	20/21	0.97	0.07	33,40,43,43	0
54	F3N	2w	76	33/34	0.97	0.08	29,35,38,41	0
55	31H	1x	76	32/33	0.97	0.07	13,22,28,29	10
32	5MC	1a	967	21/22	0.97	0.08	42,51,56,59	0
1	PSU	1A	2605	20/21	0.98	0.06	18,21,29,30	0
32	5MC	1a	1404	21/22	0.98	0.06	29,37,39,40	0
1	2MA	2A	2503	23/24	0.98	0.06	26,30,34,35	0
1	4OC	1A	1920	21/23	0.98	0.06	29,35,39,42	0
1	PSU	2A	2605	20/21	0.98	0.06	29,32,37,37	0
32	UR3	1a	1498	21/22	0.98	0.06	31,36,38,43	0
32	MA6	1a	1518	24/25	0.98	0.08	32,37,41,48	0
1	5MU	1A	1939	21/22	0.98	0.06	19,24,29,30	0
1	PSU	1A	1911	20/21	0.98	0.06	37,38,40,45	0
1	5MC	1A	1962	21/22	0.98	0.07	28,34,38,44	0
54	F3N	1w	76	33/34	0.98	0.06	16,20,24,25	0
1	2MA	1A	2503	23/24	0.98	0.06	16,20,23,28	0
1	5MU	2A	1939	21/22	0.98	0.07	28,34,37,38	0
1	2MU	1A	2552	21/23	0.98	0.07	21,26,29,32	0
1	OMG	1A	2251	24/25	0.99	0.05	19,23,26,30	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($\text{\AA}^2$)	Q<0.9
57	MG	2a	1780	1/1	0.53	0.22	71,71,71,71	0
57	MG	2a	1770	1/1	0.57	0.22	71,71,71,71	0
57	MG	1B	227	1/1	0.57	0.24	77,77,77,77	0
57	MG	2a	1791	1/1	0.61	0.26	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1691	1/1	0.62	0.27	59,59,59,59	0
57	MG	1a	1806	1/1	0.63	0.25	74,74,74,74	0
57	MG	2A	3587	1/1	0.67	0.20	62,62,62,62	0
57	MG	1A	3586	1/1	0.67	0.29	54,54,54,54	0
57	MG	1A	3983	1/1	0.68	0.18	36,36,36,36	0
57	MG	1w	101	1/1	0.69	0.17	73,73,73,73	0
57	MG	1A	3630	1/1	0.69	0.17	60,60,60,60	0
57	MG	2A	3607	1/1	0.69	0.29	66,66,66,66	0
57	MG	2w	104	1/1	0.69	0.11	79,79,79,79	0
57	MG	2A	3797	1/1	0.70	0.13	62,62,62,62	0
57	MG	2A	3825	1/1	0.70	0.20	65,65,65,65	0
57	MG	2a	1773	1/1	0.71	0.19	71,71,71,71	0
57	MG	2A	3726	1/1	0.71	0.17	45,45,45,45	0
57	MG	1A	3734	1/1	0.72	0.28	74,74,74,74	0
57	MG	2A	3534	1/1	0.72	0.13	71,71,71,71	0
57	MG	1A	3943	1/1	0.72	0.10	39,39,39,39	0
57	MG	2a	1611	1/1	0.73	0.34	64,64,64,64	0
57	MG	2A	3665	1/1	0.73	0.28	64,64,64,64	0
57	MG	2A	3775	1/1	0.73	0.18	48,48,48,48	0
57	MG	1Y	203	1/1	0.74	0.10	67,67,67,67	0
57	MG	2a	1604	1/1	0.74	0.21	68,68,68,68	0
57	MG	1A	3975	1/1	0.74	0.18	82,82,82,82	0
57	MG	2A	3657	1/1	0.74	0.18	57,57,57,57	0
57	MG	1A	3121	1/1	0.74	0.29	56,56,56,56	0
57	MG	1A	3543	1/1	0.74	0.19	66,66,66,66	0
57	MG	2A	3080	1/1	0.74	0.26	62,62,62,62	0
57	MG	1G	204	1/1	0.74	0.12	57,57,57,57	0
57	MG	2w	108	1/1	0.74	0.34	77,77,77,77	0
57	MG	1A	3758	1/1	0.75	0.11	25,25,25,25	0
57	MG	1a	1672	1/1	0.75	0.30	73,73,73,73	0
57	MG	2A	3327	1/1	0.75	0.16	58,58,58,58	0
57	MG	2A	3650	1/1	0.75	0.17	75,75,75,75	0
57	MG	2a	1643	1/1	0.75	0.15	57,57,57,57	0
57	MG	2a	1704	1/1	0.75	0.30	68,68,68,68	0
57	MG	2y	101	1/1	0.75	0.13	81,81,81,81	0
57	MG	2A	3216	1/1	0.76	0.17	63,63,63,63	0
57	MG	2A	3512	1/1	0.76	0.12	53,53,53,53	0
57	MG	2R	201	1/1	0.76	0.17	55,55,55,55	0
57	MG	2a	1644	1/1	0.76	0.26	70,70,70,70	0
57	MG	2A	3769	1/1	0.77	0.18	51,51,51,51	0
57	MG	2A	3773	1/1	0.77	0.14	65,65,65,65	0
57	MG	2a	1690	1/1	0.77	0.21	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1694	1/1	0.77	0.18	70,70,70,70	0
57	MG	2A	3634	1/1	0.77	0.15	79,79,79,79	0
57	MG	1a	1796	1/1	0.77	0.35	72,72,72,72	0
57	MG	2A	3581	1/1	0.77	0.13	35,35,35,35	0
57	MG	2A	3332	1/1	0.77	0.37	75,75,75,75	0
57	MG	2A	3692	1/1	0.77	0.14	55,55,55,55	0
57	MG	2A	3322	1/1	0.77	0.15	67,67,67,67	0
57	MG	2a	1617	1/1	0.77	0.15	60,60,60,60	0
57	MG	2a	1632	1/1	0.77	0.23	71,71,71,71	0
57	MG	2y	102	1/1	0.77	0.18	79,79,79,79	0
57	MG	1a	1752	1/1	0.78	0.14	78,78,78,78	0
57	MG	2A	3623	1/1	0.78	0.20	57,57,57,57	0
57	MG	2a	1647	1/1	0.78	0.16	59,59,59,59	0
57	MG	1a	1762	1/1	0.78	0.22	62,62,62,62	0
57	MG	1A	3723	1/1	0.78	0.12	46,46,46,46	0
57	MG	1A	3866	1/1	0.78	0.24	54,54,54,54	0
57	MG	2B	214	1/1	0.78	0.19	59,59,59,59	0
57	MG	2B	216	1/1	0.78	0.14	64,64,64,64	0
57	MG	2A	3662	1/1	0.78	0.19	68,68,68,68	0
57	MG	1A	3867	1/1	0.78	0.20	31,31,31,31	0
57	MG	1A	4011	1/1	0.78	0.10	41,41,41,41	0
57	MG	2A	3717	1/1	0.78	0.14	41,41,41,41	0
57	MG	1B	226	1/1	0.78	0.16	64,64,64,64	0
57	MG	2a	1636	1/1	0.78	0.22	54,54,54,54	0
57	MG	1A	3864	1/1	0.79	0.14	43,43,43,43	0
57	MG	2A	3559	1/1	0.79	0.20	61,61,61,61	0
57	MG	2A	3568	1/1	0.79	0.24	69,69,69,69	0
57	MG	2A	3266	1/1	0.79	0.13	64,64,64,64	0
57	MG	2a	1744	1/1	0.79	0.10	62,62,62,62	0
57	MG	1a	1720	1/1	0.79	0.30	75,75,75,75	0
57	MG	2a	1772	1/1	0.79	0.26	71,71,71,71	0
57	MG	2y	103	1/1	0.79	0.34	78,78,78,78	0
57	MG	2A	3710	1/1	0.80	0.19	59,59,59,59	0
57	MG	2A	3714	1/1	0.80	0.16	60,60,60,60	0
57	MG	1a	1622	1/1	0.80	0.23	66,66,66,66	0
57	MG	1A	3885	1/1	0.80	0.12	46,46,46,46	0
57	MG	2A	3088	1/1	0.80	0.17	71,71,71,71	0
57	MG	2A	3193	1/1	0.80	0.17	62,62,62,62	0
57	MG	2a	1781	1/1	0.80	0.30	66,66,66,66	0
57	MG	1O	204	1/1	0.80	0.15	62,62,62,62	0
57	MG	2d	301	1/1	0.80	0.25	59,59,59,59	0
57	MG	2j	202	1/1	0.80	0.12	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3792	1/1	0.80	0.13	38,38,38,38	0
57	MG	2A	3264	1/1	0.80	0.18	63,63,63,63	0
57	MG	1a	1802	1/1	0.80	0.14	61,61,61,61	0
57	MG	2A	3836	1/1	0.80	0.15	70,70,70,70	0
57	MG	1A	3928	1/1	0.80	0.13	29,29,29,29	0
57	MG	1B	232	1/1	0.81	0.17	70,70,70,70	0
57	MG	2A	3718	1/1	0.81	0.27	71,71,71,71	0
57	MG	2a	1642	1/1	0.81	0.18	69,69,69,69	0
57	MG	1G	203	1/1	0.81	0.11	68,68,68,68	0
57	MG	2A	3738	1/1	0.81	0.15	61,61,61,61	0
57	MG	2A	3759	1/1	0.81	0.16	65,65,65,65	0
57	MG	2A	3763	1/1	0.81	0.16	73,73,73,73	0
57	MG	2A	3764	1/1	0.81	0.19	57,57,57,57	0
57	MG	2A	3765	1/1	0.81	0.14	76,76,76,76	0
57	MG	1A	3810	1/1	0.81	0.11	33,33,33,33	0
57	MG	1a	1770	1/1	0.81	0.26	64,64,64,64	0
57	MG	2a	1771	1/1	0.81	0.13	64,64,64,64	0
57	MG	1a	1783	1/1	0.81	0.17	64,64,64,64	0
57	MG	2A	3641	1/1	0.81	0.10	63,63,63,63	0
57	MG	2A	3642	1/1	0.81	0.17	73,73,73,73	0
57	MG	2A	3644	1/1	0.81	0.16	61,61,61,61	0
57	MG	1A	4012	1/1	0.81	0.17	73,73,73,73	0
57	MG	2A	3843	1/1	0.81	0.15	47,47,47,47	0
57	MG	1A	4023	1/1	0.81	0.17	50,50,50,50	0
57	MG	2A	3381	1/1	0.81	0.13	72,72,72,72	0
57	MG	14	101	1/1	0.81	0.20	67,67,67,67	0
57	MG	1A	4049	1/1	0.81	0.14	55,55,55,55	0
57	MG	1A	3585	1/1	0.81	0.16	56,56,56,56	0
57	MG	1A	3938	1/1	0.81	0.15	61,61,61,61	0
57	MG	1A	3072	1/1	0.82	0.15	60,60,60,60	0
57	MG	2A	3560	1/1	0.82	0.19	70,70,70,70	0
57	MG	2A	3286	1/1	0.82	0.12	60,60,60,60	0
57	MG	2A	3289	1/1	0.82	0.14	60,60,60,60	0
57	MG	2A	3320	1/1	0.82	0.15	64,64,64,64	0
57	MG	2A	3025	1/1	0.82	0.17	60,60,60,60	0
57	MG	1A	3893	1/1	0.82	0.21	39,39,39,39	0
57	MG	2a	1798	1/1	0.82	0.16	71,71,71,71	0
57	MG	2a	1802	1/1	0.82	0.27	61,61,61,61	0
57	MG	1A	3917	1/1	0.82	0.15	47,47,47,47	0
57	MG	1a	1711	1/1	0.82	0.11	57,57,57,57	0
57	MG	2a	1674	1/1	0.82	0.11	56,56,56,56	0
57	MG	2A	3732	1/1	0.82	0.15	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3460	1/1	0.82	0.17	61,61,61,61	0
57	MG	1A	3643	1/1	0.82	0.10	41,41,41,41	0
57	MG	1A	3843	1/1	0.82	0.12	51,51,51,51	0
57	MG	2A	3427	1/1	0.83	0.23	60,60,60,60	0
57	MG	1a	1766	1/1	0.83	0.09	59,59,59,59	0
57	MG	2A	3468	1/1	0.83	0.17	58,58,58,58	0
57	MG	2a	1717	1/1	0.83	0.31	76,76,76,76	0
57	MG	2a	1732	1/1	0.83	0.30	56,56,56,56	0
57	MG	2A	3671	1/1	0.83	0.17	52,52,52,52	0
57	MG	2a	1765	1/1	0.83	0.13	73,73,73,73	0
57	MG	1A	3889	1/1	0.83	0.13	47,47,47,47	0
57	MG	1A	3674	1/1	0.83	0.21	67,67,67,67	0
57	MG	1a	1640	1/1	0.83	0.17	56,56,56,56	0
57	MG	1A	3099	1/1	0.83	0.17	59,59,59,59	0
57	MG	2A	3287	1/1	0.83	0.10	69,69,69,69	0
57	MG	1E	309	1/1	0.83	0.15	71,71,71,71	0
57	MG	2a	1790	1/1	0.83	0.21	65,65,65,65	0
57	MG	1A	4024	1/1	0.83	0.14	38,38,38,38	0
57	MG	1A	3775	1/1	0.83	0.10	44,44,44,44	0
57	MG	1A	4063	1/1	0.83	0.17	38,38,38,38	0
57	MG	1B	217	1/1	0.83	0.19	64,64,64,64	0
57	MG	2A	3341	1/1	0.83	0.12	62,62,62,62	0
57	MG	2r	101	1/1	0.83	0.14	65,65,65,65	0
57	MG	2A	3360	1/1	0.83	0.21	62,62,62,62	0
57	MG	2w	107	1/1	0.83	0.12	62,62,62,62	0
57	MG	2A	3768	1/1	0.83	0.15	43,43,43,43	0
57	MG	2A	3181	1/1	0.83	0.27	63,63,63,63	0
57	MG	2a	1661	1/1	0.83	0.22	70,70,70,70	0
57	MG	2A	3398	1/1	0.83	0.20	61,61,61,61	0
57	MG	2N	201	1/1	0.84	0.15	60,60,60,60	0
57	MG	2A	3629	1/1	0.84	0.10	39,39,39,39	0
57	MG	1A	3838	1/1	0.84	0.15	66,66,66,66	0
57	MG	1O	205	1/1	0.84	0.13	70,70,70,70	0
57	MG	1a	1772	1/1	0.84	0.13	52,52,52,52	0
57	MG	2a	1631	1/1	0.84	0.31	66,66,66,66	0
57	MG	2A	3297	1/1	0.84	0.14	54,54,54,54	0
57	MG	2A	3299	1/1	0.84	0.24	72,72,72,72	0
57	MG	2A	3300	1/1	0.84	0.12	59,59,59,59	0
57	MG	2A	3661	1/1	0.84	0.22	66,66,66,66	0
57	MG	1a	1781	1/1	0.84	0.21	47,47,47,47	0
57	MG	2a	1645	1/1	0.84	0.21	68,68,68,68	0
57	MG	1A	3475	1/1	0.84	0.20	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1654	1/1	0.84	0.35	67,67,67,67	0
57	MG	1A	3929	1/1	0.84	0.11	62,62,62,62	0
57	MG	1A	3324	1/1	0.84	0.09	41,41,41,41	0
57	MG	2a	1682	1/1	0.84	0.20	69,69,69,69	0
57	MG	1A	3348	1/1	0.84	0.16	54,54,54,54	0
57	MG	2A	3350	1/1	0.84	0.24	65,65,65,65	0
57	MG	1a	1807	1/1	0.84	0.23	64,64,64,64	0
57	MG	2A	3365	1/1	0.84	0.20	60,60,60,60	0
57	MG	1a	1810	1/1	0.84	0.23	57,57,57,57	0
57	MG	2a	1734	1/1	0.84	0.33	67,67,67,67	0
57	MG	1a	1656	1/1	0.84	0.27	60,60,60,60	0
57	MG	2a	1755	1/1	0.84	0.12	83,83,83,83	0
57	MG	1A	3960	1/1	0.84	0.09	64,64,64,64	0
57	MG	2A	3751	1/1	0.84	0.30	70,70,70,70	0
57	MG	2A	3078	1/1	0.84	0.18	62,62,62,62	0
57	MG	1a	1689	1/1	0.84	0.34	65,65,65,65	0
57	MG	2A	3502	1/1	0.84	0.16	53,53,53,53	0
57	MG	2A	3504	1/1	0.84	0.16	56,56,56,56	0
57	MG	2A	3510	1/1	0.84	0.15	40,40,40,40	0
57	MG	1A	3788	1/1	0.84	0.15	56,56,56,56	0
57	MG	2A	3101	1/1	0.84	0.21	70,70,70,70	0
57	MG	2A	3109	1/1	0.84	0.26	61,61,61,61	0
57	MG	2A	3777	1/1	0.84	0.16	60,60,60,60	0
57	MG	2a	1806	1/1	0.84	0.28	66,66,66,66	0
57	MG	1A	3794	1/1	0.84	0.15	40,40,40,40	0
57	MG	2g	201	1/1	0.84	0.11	72,72,72,72	0
57	MG	1A	3432	1/1	0.84	0.21	63,63,63,63	0
57	MG	1A	3830	1/1	0.84	0.20	45,45,45,45	0
57	MG	2v	103	1/1	0.84	0.43	75,75,75,75	0
57	MG	1a	1757	1/1	0.84	0.13	42,42,42,42	0
57	MG	2A	3838	1/1	0.84	0.23	74,74,74,74	0
57	MG	1A	4021	1/1	0.84	0.11	35,35,35,35	0
57	MG	2B	213	1/1	0.84	0.14	62,62,62,62	0
57	MG	2A	3279	1/1	0.84	0.26	64,64,64,64	0
57	MG	2A	3626	1/1	0.84	0.29	51,51,51,51	0
57	MG	2A	3687	1/1	0.85	0.18	64,64,64,64	0
57	MG	1A	3568	1/1	0.85	0.11	30,30,30,30	0
57	MG	2A	3422	1/1	0.85	0.13	47,47,47,47	0
57	MG	2A	3220	1/1	0.85	0.22	68,68,68,68	0
57	MG	2A	3228	1/1	0.85	0.16	61,61,61,61	0
57	MG	2a	1651	1/1	0.85	0.14	69,69,69,69	0
57	MG	2A	3235	1/1	0.85	0.16	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3494	1/1	0.85	0.20	61,61,61,61	0
57	MG	2a	1672	1/1	0.85	0.14	57,57,57,57	0
57	MG	2A	3496	1/1	0.85	0.19	58,58,58,58	0
57	MG	2A	3260	1/1	0.85	0.14	53,53,53,53	0
57	MG	2A	3263	1/1	0.85	0.11	65,65,65,65	0
57	MG	1A	4066	1/1	0.85	0.12	47,47,47,47	0
57	MG	2a	1699	1/1	0.85	0.13	65,65,65,65	0
57	MG	1B	211	1/1	0.85	0.10	51,51,51,51	0
57	MG	2A	3517	1/1	0.85	0.12	45,45,45,45	0
57	MG	2a	1727	1/1	0.85	0.29	63,63,63,63	0
57	MG	2A	3278	1/1	0.85	0.10	67,67,67,67	0
57	MG	1A	3749	1/1	0.85	0.13	18,18,18,18	0
57	MG	2a	1737	1/1	0.85	0.34	72,72,72,72	0
57	MG	1A	3330	1/1	0.85	0.20	57,57,57,57	0
57	MG	2a	1754	1/1	0.85	0.13	57,57,57,57	0
57	MG	2A	3562	1/1	0.85	0.12	58,58,58,58	0
57	MG	1A	3977	1/1	0.85	0.13	55,55,55,55	0
57	MG	1A	3341	1/1	0.85	0.32	61,61,61,61	0
57	MG	1a	1707	1/1	0.85	0.30	57,57,57,57	0
57	MG	1x	114	1/1	0.85	0.24	66,66,66,66	0
57	MG	2A	3812	1/1	0.85	0.11	50,50,50,50	0
57	MG	2a	1776	1/1	0.85	0.12	74,74,74,74	0
57	MG	2A	3621	1/1	0.85	0.17	39,39,39,39	0
57	MG	1A	3494	1/1	0.85	0.21	61,61,61,61	0
57	MG	2A	3028	1/1	0.85	0.14	55,55,55,55	0
57	MG	2A	3065	1/1	0.85	0.16	55,55,55,55	0
57	MG	2B	211	1/1	0.85	0.25	59,59,59,59	0
57	MG	1A	3637	1/1	0.85	0.11	55,55,55,55	0
57	MG	1A	3542	1/1	0.85	0.18	37,37,37,37	0
57	MG	2B	215	1/1	0.85	0.14	58,58,58,58	0
57	MG	1A	3179	1/1	0.85	0.23	58,58,58,58	0
57	MG	2E	304	1/1	0.85	0.15	44,44,44,44	0
57	MG	1A	3565	1/1	0.85	0.10	51,51,51,51	0
57	MG	1R	205	1/1	0.85	0.18	42,42,42,42	0
57	MG	2w	102	1/1	0.85	0.15	75,75,75,75	0
57	MG	1W	208	1/1	0.85	0.18	44,44,44,44	0
57	MG	2A	3370	1/1	0.85	0.14	61,61,61,61	0
57	MG	2A	3374	1/1	0.85	0.19	74,74,74,74	0
57	MG	1A	3728	1/1	0.85	0.10	59,59,59,59	0
57	MG	2A	3386	1/1	0.85	0.24	40,40,40,40	0
57	MG	2A	3686	1/1	0.85	0.17	63,63,63,63	0
57	MG	2A	3027	1/1	0.86	0.10	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1638	1/1	0.86	0.26	71,71,71,71	0
57	MG	2A	3697	1/1	0.86	0.11	58,58,58,58	0
57	MG	2A	3703	1/1	0.86	0.11	61,61,61,61	0
57	MG	1A	3802	1/1	0.86	0.19	55,55,55,55	0
57	MG	2A	3056	1/1	0.86	0.21	71,71,71,71	0
57	MG	1A	3587	1/1	0.86	0.12	68,68,68,68	0
57	MG	2A	3518	1/1	0.86	0.22	56,56,56,56	0
57	MG	2A	3724	1/1	0.86	0.13	66,66,66,66	0
57	MG	1A	3361	1/1	0.86	0.25	57,57,57,57	0
57	MG	2a	1665	1/1	0.86	0.25	59,59,59,59	0
57	MG	2a	1666	1/1	0.86	0.27	67,67,67,67	0
57	MG	2a	1669	1/1	0.86	0.15	59,59,59,59	0
57	MG	2A	3547	1/1	0.86	0.10	34,34,34,34	0
57	MG	1A	3519	1/1	0.86	0.20	56,56,56,56	0
57	MG	1a	1756	1/1	0.86	0.22	70,70,70,70	0
57	MG	2A	3755	1/1	0.86	0.13	63,63,63,63	0
57	MG	2A	3758	1/1	0.86	0.12	56,56,56,56	0
57	MG	1A	3520	1/1	0.86	0.28	60,60,60,60	0
57	MG	2A	3760	1/1	0.86	0.17	59,59,59,59	0
57	MG	1A	3525	1/1	0.86	0.13	50,50,50,50	0
57	MG	2A	3572	1/1	0.86	0.29	58,58,58,58	0
57	MG	2A	3174	1/1	0.86	0.15	65,65,65,65	0
57	MG	2A	3586	1/1	0.86	0.17	56,56,56,56	0
57	MG	1A	3679	1/1	0.86	0.12	28,28,28,28	0
57	MG	2A	3593	1/1	0.86	0.12	30,30,30,30	0
57	MG	2A	3189	1/1	0.86	0.14	53,53,53,53	0
57	MG	1A	3396	1/1	0.86	0.29	67,67,67,67	0
57	MG	2a	1764	1/1	0.86	0.21	59,59,59,59	0
57	MG	2A	3622	1/1	0.86	0.13	45,45,45,45	0
57	MG	2A	3368	1/1	0.86	0.23	59,59,59,59	0
57	MG	1A	3407	1/1	0.86	0.08	42,42,42,42	0
57	MG	2A	3814	1/1	0.86	0.17	64,64,64,64	0
57	MG	1A	3730	1/1	0.86	0.10	21,21,21,21	0
57	MG	2A	3834	1/1	0.86	0.26	60,60,60,60	0
57	MG	2A	3375	1/1	0.86	0.11	58,58,58,58	0
57	MG	1a	1603	1/1	0.86	0.21	62,62,62,62	0
57	MG	1A	3002	1/1	0.86	0.16	58,58,58,58	0
57	MG	2B	209	1/1	0.86	0.21	58,58,58,58	0
57	MG	2A	3236	1/1	0.86	0.18	51,51,51,51	0
57	MG	1A	3467	1/1	0.86	0.14	55,55,55,55	0
57	MG	2A	3655	1/1	0.86	0.09	50,50,50,50	0
57	MG	1A	3576	1/1	0.86	0.18	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3658	1/1	0.86	0.20	71,71,71,71	0
57	MG	2B	219	1/1	0.86	0.21	61,61,61,61	0
57	MG	2A	3659	1/1	0.86	0.14	54,54,54,54	0
57	MG	1a	1657	1/1	0.86	0.17	64,64,64,64	0
57	MG	1A	3581	1/1	0.86	0.29	60,60,60,60	0
57	MG	2A	3663	1/1	0.86	0.30	67,67,67,67	0
57	MG	2a	1610	1/1	0.86	0.23	65,65,65,65	0
57	MG	2A	3475	1/1	0.86	0.14	65,65,65,65	0
57	MG	1a	1675	1/1	0.86	0.28	71,71,71,71	0
57	MG	1A	3472	1/1	0.86	0.19	43,43,43,43	0
57	MG	1A	3316	1/1	0.86	0.17	56,56,56,56	0
57	MG	1A	3933	1/1	0.87	0.10	59,59,59,59	0
57	MG	1A	3821	1/1	0.87	0.12	50,50,50,50	0
57	MG	2G	201	1/1	0.87	0.12	58,58,58,58	0
57	MG	2A	3292	1/1	0.87	0.16	60,60,60,60	0
57	MG	2Q	204	1/1	0.87	0.16	45,45,45,45	0
57	MG	2A	3630	1/1	0.87	0.16	58,58,58,58	0
57	MG	2A	3293	1/1	0.87	0.20	69,69,69,69	0
57	MG	1A	3435	1/1	0.87	0.16	57,57,57,57	0
57	MG	1a	1789	1/1	0.87	0.22	71,71,71,71	0
57	MG	1A	3832	1/1	0.87	0.11	58,58,58,58	0
57	MG	2a	1620	1/1	0.87	0.26	72,72,72,72	0
57	MG	2a	1630	1/1	0.87	0.28	55,55,55,55	0
57	MG	2A	3314	1/1	0.87	0.16	55,55,55,55	0
57	MG	2A	3317	1/1	0.87	0.17	59,59,59,59	0
57	MG	1A	3968	1/1	0.87	0.10	45,45,45,45	0
57	MG	1A	3974	1/1	0.87	0.09	29,29,29,29	0
57	MG	2A	3325	1/1	0.87	0.25	69,69,69,69	0
57	MG	1A	3443	1/1	0.87	0.30	59,59,59,59	0
57	MG	1P	205	1/1	0.87	0.13	41,41,41,41	0
57	MG	2A	3334	1/1	0.87	0.16	56,56,56,56	0
57	MG	1b	302	1/1	0.87	0.16	75,75,75,75	0
57	MG	1t	201	1/1	0.87	0.16	49,49,49,49	0
57	MG	2A	3681	1/1	0.87	0.16	70,70,70,70	0
57	MG	2A	3685	1/1	0.87	0.14	71,71,71,71	0
57	MG	1A	3445	1/1	0.87	0.33	56,56,56,56	0
57	MG	1w	108	1/1	0.87	0.23	59,59,59,59	0
57	MG	2a	1667	1/1	0.87	0.15	61,61,61,61	0
57	MG	1A	3980	1/1	0.87	0.15	51,51,51,51	0
57	MG	2A	3693	1/1	0.87	0.16	55,55,55,55	0
57	MG	1A	3863	1/1	0.87	0.17	52,52,52,52	0
57	MG	1A	4006	1/1	0.87	0.13	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	16	101	1/1	0.87	0.15	55,55,55,55	0
57	MG	2a	1692	1/1	0.87	0.23	61,61,61,61	0
57	MG	1A	3454	1/1	0.87	0.19	68,68,68,68	0
57	MG	1A	3613	1/1	0.87	0.17	55,55,55,55	0
57	MG	2A	3389	1/1	0.87	0.27	49,49,49,49	0
57	MG	1a	1636	1/1	0.87	0.24	60,60,60,60	0
57	MG	2A	3404	1/1	0.87	0.21	54,54,54,54	0
57	MG	2a	1730	1/1	0.87	0.38	67,67,67,67	0
57	MG	1A	4020	1/1	0.87	0.11	47,47,47,47	0
57	MG	1A	3753	1/1	0.87	0.10	28,28,28,28	0
57	MG	1A	3143	1/1	0.87	0.15	40,40,40,40	0
57	MG	1a	1661	1/1	0.87	0.12	47,47,47,47	0
57	MG	2a	1748	1/1	0.87	0.09	43,43,43,43	0
57	MG	2A	3110	1/1	0.87	0.24	58,58,58,58	0
57	MG	2A	3149	1/1	0.87	0.19	56,56,56,56	0
57	MG	2A	3152	1/1	0.87	0.18	64,64,64,64	0
57	MG	2A	3165	1/1	0.87	0.19	62,62,62,62	0
57	MG	2A	3169	1/1	0.87	0.14	55,55,55,55	0
57	MG	1a	1671	1/1	0.87	0.22	61,61,61,61	0
57	MG	1A	3020	1/1	0.87	0.19	44,44,44,44	0
57	MG	1A	4026	1/1	0.87	0.13	46,46,46,46	0
57	MG	1A	4039	1/1	0.87	0.10	56,56,56,56	0
57	MG	2A	3530	1/1	0.87	0.11	47,47,47,47	0
57	MG	2A	3197	1/1	0.87	0.23	61,61,61,61	0
57	MG	2a	1787	1/1	0.87	0.15	64,64,64,64	0
57	MG	1A	4047	1/1	0.87	0.20	55,55,55,55	0
57	MG	1a	1695	1/1	0.87	0.17	60,60,60,60	0
57	MG	2a	1794	1/1	0.87	0.15	66,66,66,66	0
57	MG	2A	3801	1/1	0.87	0.14	64,64,64,64	0
57	MG	2a	1800	1/1	0.87	0.16	70,70,70,70	0
57	MG	2A	3802	1/1	0.87	0.16	44,44,44,44	0
57	MG	1A	3474	1/1	0.87	0.18	44,44,44,44	0
57	MG	1A	4062	1/1	0.87	0.11	32,32,32,32	0
57	MG	1A	3897	1/1	0.87	0.10	27,27,27,27	0
57	MG	2A	3258	1/1	0.87	0.13	62,62,62,62	0
57	MG	2l	205	1/1	0.87	0.13	63,63,63,63	0
57	MG	1a	1746	1/1	0.87	0.10	47,47,47,47	0
57	MG	2A	3584	1/1	0.87	0.19	53,53,53,53	0
57	MG	1A	3910	1/1	0.87	0.11	28,28,28,28	0
57	MG	1A	4067	1/1	0.87	0.12	61,61,61,61	0
57	MG	1A	3286	1/1	0.87	0.40	60,60,60,60	0
57	MG	2A	3594	1/1	0.87	0.12	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3484	1/1	0.87	0.09	38,38,38,38	0
57	MG	1B	221	1/1	0.87	0.14	56,56,56,56	0
57	MG	1A	3694	1/1	0.87	0.11	28,28,28,28	0
60	ZN	14	102	1/1	0.87	0.17	136,136,136,136	0
57	MG	1A	3799	1/1	0.88	0.16	50,50,50,50	0
57	MG	2B	210	1/1	0.88	0.16	69,69,69,69	0
57	MG	2A	3265	1/1	0.88	0.23	51,51,51,51	0
57	MG	1A	3277	1/1	0.88	0.19	42,42,42,42	0
57	MG	2A	3582	1/1	0.88	0.18	69,69,69,69	0
57	MG	1A	3588	1/1	0.88	0.11	47,47,47,47	0
57	MG	1A	3362	1/1	0.88	0.14	43,43,43,43	0
57	MG	2A	3283	1/1	0.88	0.12	53,53,53,53	0
57	MG	1A	3823	1/1	0.88	0.10	49,49,49,49	0
57	MG	1A	3478	1/1	0.88	0.13	31,31,31,31	0
57	MG	1A	3635	1/1	0.88	0.09	25,25,25,25	0
57	MG	1A	3382	1/1	0.88	0.11	49,49,49,49	0
57	MG	10	105	1/1	0.88	0.20	55,55,55,55	0
57	MG	28	104	1/1	0.88	0.08	67,67,67,67	0
57	MG	2a	1603	1/1	0.88	0.07	65,65,65,65	0
57	MG	11	103	1/1	0.88	0.11	41,41,41,41	0
57	MG	2a	1609	1/1	0.88	0.07	43,43,43,43	0
57	MG	1A	4008	1/1	0.88	0.13	54,54,54,54	0
57	MG	1A	3163	1/1	0.88	0.14	49,49,49,49	0
57	MG	2A	3304	1/1	0.88	0.11	47,47,47,47	0
57	MG	2A	3309	1/1	0.88	0.11	72,72,72,72	0
57	MG	2a	1624	1/1	0.88	0.09	52,52,52,52	0
57	MG	1A	3850	1/1	0.88	0.13	60,60,60,60	0
57	MG	1x	104	1/1	0.88	0.17	69,69,69,69	0
57	MG	2A	3643	1/1	0.88	0.20	59,59,59,59	0
57	MG	2a	1633	1/1	0.88	0.24	54,54,54,54	0
57	MG	1x	109	1/1	0.88	0.18	56,56,56,56	0
57	MG	2A	3648	1/1	0.88	0.13	60,60,60,60	0
57	MG	1A	3860	1/1	0.88	0.13	50,50,50,50	0
57	MG	2A	3653	1/1	0.88	0.13	48,48,48,48	0
57	MG	1a	1627	1/1	0.88	0.20	57,57,57,57	0
57	MG	2A	3326	1/1	0.88	0.18	69,69,69,69	0
57	MG	1A	3645	1/1	0.88	0.13	52,52,52,52	0
57	MG	1A	3502	1/1	0.88	0.14	66,66,66,66	0
57	MG	2A	3031	1/1	0.88	0.12	50,50,50,50	0
57	MG	1A	3505	1/1	0.88	0.20	68,68,68,68	0
57	MG	2A	3343	1/1	0.88	0.09	60,60,60,60	0
57	MG	2A	3348	1/1	0.88	0.08	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3669	1/1	0.88	0.13	46,46,46,46	0
57	MG	1A	3297	1/1	0.88	0.11	45,45,45,45	0
57	MG	2A	3352	1/1	0.88	0.20	52,52,52,52	0
57	MG	1A	3875	1/1	0.88	0.12	38,38,38,38	0
57	MG	1A	3877	1/1	0.88	0.10	33,33,33,33	0
57	MG	2a	1686	1/1	0.88	0.17	67,67,67,67	0
57	MG	2A	3086	1/1	0.88	0.24	60,60,60,60	0
57	MG	2A	3691	1/1	0.88	0.10	37,37,37,37	0
57	MG	1A	3408	1/1	0.88	0.10	45,45,45,45	0
57	MG	2A	3093	1/1	0.88	0.20	55,55,55,55	0
57	MG	2A	3100	1/1	0.88	0.22	68,68,68,68	0
57	MG	2a	1708	1/1	0.88	0.15	61,61,61,61	0
57	MG	2a	1713	1/1	0.88	0.31	66,66,66,66	0
57	MG	2a	1715	1/1	0.88	0.39	68,68,68,68	0
57	MG	1a	1674	1/1	0.88	0.12	52,52,52,52	0
57	MG	2a	1719	1/1	0.88	0.36	62,62,62,62	0
57	MG	2A	3708	1/1	0.88	0.21	65,65,65,65	0
57	MG	1A	4053	1/1	0.88	0.10	22,22,22,22	0
57	MG	1a	1677	1/1	0.88	0.24	69,69,69,69	0
57	MG	2A	3715	1/1	0.88	0.14	53,53,53,53	0
57	MG	1A	4061	1/1	0.88	0.13	47,47,47,47	0
57	MG	2a	1741	1/1	0.88	0.25	56,56,56,56	0
57	MG	1A	3312	1/1	0.88	0.23	59,59,59,59	0
57	MG	2a	1745	1/1	0.88	0.23	75,75,75,75	0
57	MG	2A	3719	1/1	0.88	0.10	58,58,58,58	0
57	MG	2A	3411	1/1	0.88	0.19	53,53,53,53	0
57	MG	2A	3154	1/1	0.88	0.17	62,62,62,62	0
57	MG	2a	1761	1/1	0.88	0.12	44,44,44,44	0
57	MG	1A	3006	1/1	0.88	0.13	49,49,49,49	0
57	MG	2A	3733	1/1	0.88	0.14	45,45,45,45	0
57	MG	2A	3436	1/1	0.88	0.10	59,59,59,59	0
57	MG	2A	3437	1/1	0.88	0.14	47,47,47,47	0
57	MG	2A	3167	1/1	0.88	0.23	73,73,73,73	0
57	MG	1a	1696	1/1	0.88	0.20	56,56,56,56	0
57	MG	1A	3438	1/1	0.88	0.09	56,56,56,56	0
57	MG	2A	3484	1/1	0.88	0.17	66,66,66,66	0
57	MG	2A	3762	1/1	0.88	0.12	54,54,54,54	0
57	MG	2A	3485	1/1	0.88	0.21	60,60,60,60	0
57	MG	2A	3491	1/1	0.88	0.18	61,61,61,61	0
57	MG	1A	3318	1/1	0.88	0.17	50,50,50,50	0
57	MG	1A	3181	1/1	0.88	0.13	51,51,51,51	0
57	MG	1a	1737	1/1	0.88	0.19	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3195	1/1	0.88	0.25	58,58,58,58	0
57	MG	1a	1743	1/1	0.88	0.14	59,59,59,59	0
57	MG	1A	3200	1/1	0.88	0.09	44,44,44,44	0
57	MG	2A	3514	1/1	0.88	0.13	63,63,63,63	0
57	MG	1a	1750	1/1	0.88	0.11	49,49,49,49	0
57	MG	1B	220	1/1	0.88	0.14	57,57,57,57	0
57	MG	1A	3463	1/1	0.88	0.13	65,65,65,65	0
57	MG	2A	3805	1/1	0.88	0.16	43,43,43,43	0
57	MG	2A	3809	1/1	0.88	0.12	46,46,46,46	0
57	MG	2A	3810	1/1	0.88	0.14	65,65,65,65	0
57	MG	1A	3784	1/1	0.88	0.10	20,20,20,20	0
57	MG	2A	3537	1/1	0.88	0.14	38,38,38,38	0
57	MG	1A	3223	1/1	0.88	0.13	50,50,50,50	0
57	MG	2x	105	1/1	0.88	0.34	69,69,69,69	0
57	MG	2A	3554	1/1	0.88	0.09	30,30,30,30	0
57	MG	1A	3253	1/1	0.88	0.23	55,55,55,55	0
57	MG	2A	3261	1/1	0.88	0.12	71,71,71,71	0
57	MG	2y	104	1/1	0.88	0.14	68,68,68,68	0
57	MG	1A	3950	1/1	0.88	0.17	38,38,38,38	0
57	MG	1w	107	1/1	0.89	0.25	73,73,73,73	0
57	MG	1A	3879	1/1	0.89	0.14	68,68,68,68	0
57	MG	2P	202	1/1	0.89	0.13	63,63,63,63	0
57	MG	1a	1625	1/1	0.89	0.26	58,58,58,58	0
57	MG	2A	3301	1/1	0.89	0.10	61,61,61,61	0
57	MG	2l	101	1/1	0.89	0.20	50,50,50,50	0
57	MG	25	3103	1/1	0.89	0.11	50,50,50,50	0
57	MG	1x	107	1/1	0.89	0.23	64,64,64,64	0
57	MG	1A	3349	1/1	0.89	0.14	51,51,51,51	0
57	MG	1A	3528	1/1	0.89	0.18	48,48,48,48	0
57	MG	1x	115	1/1	0.89	0.15	55,55,55,55	0
57	MG	2A	3006	1/1	0.89	0.25	47,47,47,47	0
57	MG	1A	4027	1/1	0.89	0.09	45,45,45,45	0
57	MG	2a	1615	1/1	0.89	0.09	54,54,54,54	0
57	MG	1A	4038	1/1	0.89	0.09	14,14,14,14	0
57	MG	1A	3315	1/1	0.89	0.12	49,49,49,49	0
57	MG	1A	4046	1/1	0.89	0.11	53,53,53,53	0
57	MG	2A	3033	1/1	0.89	0.15	61,61,61,61	0
57	MG	2A	3052	1/1	0.89	0.12	65,65,65,65	0
57	MG	2A	3338	1/1	0.89	0.09	64,64,64,64	0
57	MG	2A	3339	1/1	0.89	0.16	65,65,65,65	0
57	MG	1A	3796	1/1	0.89	0.08	39,39,39,39	0
57	MG	2A	3060	1/1	0.89	0.12	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3258	1/1	0.89	0.21	59,59,59,59	0
57	MG	1A	3914	1/1	0.89	0.09	40,40,40,40	0
57	MG	1A	4055	1/1	0.89	0.10	70,70,70,70	0
57	MG	2A	3083	1/1	0.89	0.11	48,48,48,48	0
57	MG	1A	3800	1/1	0.89	0.15	66,66,66,66	0
57	MG	2a	1648	1/1	0.89	0.16	69,69,69,69	0
57	MG	1a	1682	1/1	0.89	0.14	58,58,58,58	0
57	MG	1A	3927	1/1	0.89	0.09	25,25,25,25	0
57	MG	1A	3562	1/1	0.89	0.09	43,43,43,43	0
57	MG	2a	1663	1/1	0.89	0.16	49,49,49,49	0
57	MG	1A	3665	1/1	0.89	0.06	22,22,22,22	0
57	MG	2A	3107	1/1	0.89	0.26	61,61,61,61	0
57	MG	1A	3670	1/1	0.89	0.16	55,55,55,55	0
57	MG	1A	3381	1/1	0.89	0.48	44,44,44,44	0
57	MG	2A	3145	1/1	0.89	0.24	61,61,61,61	0
57	MG	2A	3694	1/1	0.89	0.14	46,46,46,46	0
57	MG	2a	1675	1/1	0.89	0.09	53,53,53,53	0
57	MG	2A	3400	1/1	0.89	0.18	44,44,44,44	0
57	MG	2A	3401	1/1	0.89	0.21	54,54,54,54	0
57	MG	2A	3706	1/1	0.89	0.12	57,57,57,57	0
57	MG	2A	3707	1/1	0.89	0.09	47,47,47,47	0
57	MG	1a	1710	1/1	0.89	0.22	59,59,59,59	0
57	MG	2a	1696	1/1	0.89	0.25	61,61,61,61	0
57	MG	2A	3405	1/1	0.89	0.33	57,57,57,57	0
57	MG	1A	3488	1/1	0.89	0.30	67,67,67,67	0
57	MG	2A	3413	1/1	0.89	0.20	53,53,53,53	0
57	MG	2a	1710	1/1	0.89	0.19	48,48,48,48	0
57	MG	1A	3831	1/1	0.89	0.10	52,52,52,52	0
57	MG	2a	1714	1/1	0.89	0.15	50,50,50,50	0
57	MG	1a	1730	1/1	0.89	0.25	58,58,58,58	0
57	MG	1a	1732	1/1	0.89	0.25	49,49,49,49	0
57	MG	1A	3958	1/1	0.89	0.14	69,69,69,69	0
57	MG	2a	1724	1/1	0.89	0.34	60,60,60,60	0
57	MG	2A	3443	1/1	0.89	0.10	51,51,51,51	0
57	MG	2A	3728	1/1	0.89	0.12	51,51,51,51	0
57	MG	2A	3454	1/1	0.89	0.32	73,73,73,73	0
57	MG	2a	1733	1/1	0.89	0.28	60,60,60,60	0
57	MG	2A	3457	1/1	0.89	0.47	70,70,70,70	0
57	MG	2a	1736	1/1	0.89	0.24	58,58,58,58	0
57	MG	1A	3571	1/1	0.89	0.41	63,63,63,63	0
57	MG	2A	3748	1/1	0.89	0.21	62,62,62,62	0
57	MG	1A	3961	1/1	0.89	0.12	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3963	1/1	0.89	0.18	71,71,71,71	0
57	MG	2a	1746	1/1	0.89	0.26	60,60,60,60	0
57	MG	2A	3757	1/1	0.89	0.11	58,58,58,58	0
57	MG	1A	3572	1/1	0.89	0.13	51,51,51,51	0
57	MG	1F	309	1/1	0.89	0.13	47,47,47,47	0
57	MG	1A	3970	1/1	0.89	0.09	26,26,26,26	0
57	MG	2A	3492	1/1	0.89	0.10	32,32,32,32	0
57	MG	2A	3211	1/1	0.89	0.17	51,51,51,51	0
57	MG	1A	3839	1/1	0.89	0.08	58,58,58,58	0
57	MG	1A	3334	1/1	0.89	0.09	47,47,47,47	0
57	MG	2A	3222	1/1	0.89	0.10	52,52,52,52	0
57	MG	1a	1769	1/1	0.89	0.14	49,49,49,49	0
57	MG	1A	3844	1/1	0.89	0.32	39,39,39,39	0
57	MG	1a	1771	1/1	0.89	0.17	63,63,63,63	0
57	MG	2A	3515	1/1	0.89	0.24	60,60,60,60	0
57	MG	2A	3257	1/1	0.89	0.13	65,65,65,65	0
57	MG	1A	3266	1/1	0.89	0.17	35,35,35,35	0
57	MG	2A	3522	1/1	0.89	0.10	30,30,30,30	0
57	MG	2A	3527	1/1	0.89	0.09	31,31,31,31	0
57	MG	1a	1777	1/1	0.89	0.11	61,61,61,61	0
57	MG	1A	3345	1/1	0.89	0.12	61,61,61,61	0
57	MG	2a	1801	1/1	0.89	0.14	73,73,73,73	0
57	MG	1a	1782	1/1	0.89	0.11	51,51,51,51	0
57	MG	1R	206	1/1	0.89	0.11	43,43,43,43	0
57	MG	1U	205	1/1	0.89	0.14	39,39,39,39	0
57	MG	2e	202	1/1	0.89	0.36	58,58,58,58	0
57	MG	1A	4002	1/1	0.89	0.11	61,61,61,61	0
57	MG	2i	201	1/1	0.89	0.12	62,62,62,62	0
57	MG	2j	201	1/1	0.89	0.09	66,66,66,66	0
57	MG	2A	3273	1/1	0.89	0.10	48,48,48,48	0
57	MG	2A	3275	1/1	0.89	0.10	70,70,70,70	0
57	MG	1A	3747	1/1	0.89	0.16	45,45,45,45	0
57	MG	1A	3509	1/1	0.89	0.31	54,54,54,54	0
57	MG	2A	3579	1/1	0.89	0.17	58,58,58,58	0
57	MG	2w	103	1/1	0.89	0.14	66,66,66,66	0
57	MG	2A	3282	1/1	0.89	0.18	56,56,56,56	0
57	MG	10	108	1/1	0.89	0.15	53,53,53,53	0
57	MG	1A	3321	1/1	0.89	0.27	53,53,53,53	0
57	MG	1b	301	1/1	0.89	0.11	79,79,79,79	0
57	MG	1A	3429	1/1	0.89	0.15	35,35,35,35	0
57	MG	1A	3524	1/1	0.89	0.07	59,59,59,59	0
57	MG	1A	3777	1/1	0.89	0.19	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3606	1/1	0.89	0.10	33,33,33,33	0
57	MG	2F	306	1/1	0.89	0.10	52,52,52,52	0
57	MG	1a	1628	1/1	0.90	0.10	41,41,41,41	0
57	MG	1A	3166	1/1	0.90	0.08	32,32,32,32	0
57	MG	2A	3204	1/1	0.90	0.13	58,58,58,58	0
57	MG	2A	3205	1/1	0.90	0.09	63,63,63,63	0
57	MG	1a	1637	1/1	0.90	0.10	43,43,43,43	0
57	MG	1A	3300	1/1	0.90	0.15	48,48,48,48	0
57	MG	2A	3406	1/1	0.90	0.17	53,53,53,53	0
57	MG	1a	1649	1/1	0.90	0.23	55,55,55,55	0
57	MG	1A	4069	1/1	0.90	0.09	68,68,68,68	0
57	MG	2A	3421	1/1	0.90	0.21	50,50,50,50	0
57	MG	2a	1634	1/1	0.90	0.32	64,64,64,64	0
57	MG	1A	4070	1/1	0.90	0.09	34,34,34,34	0
57	MG	1A	3255	1/1	0.90	0.11	51,51,51,51	0
57	MG	1a	1662	1/1	0.90	0.27	56,56,56,56	0
57	MG	2A	3239	1/1	0.90	0.31	63,63,63,63	0
57	MG	2A	3439	1/1	0.90	0.10	62,62,62,62	0
57	MG	1a	1666	1/1	0.90	0.23	57,57,57,57	0
57	MG	2A	3447	1/1	0.90	0.20	58,58,58,58	0
57	MG	2A	3702	1/1	0.90	0.09	41,41,41,41	0
57	MG	1A	3118	1/1	0.90	0.09	36,36,36,36	0
57	MG	2a	1652	1/1	0.90	0.14	60,60,60,60	0
57	MG	1B	219	1/1	0.90	0.19	58,58,58,58	0
57	MG	2A	3459	1/1	0.90	0.11	55,55,55,55	0
57	MG	1w	105	1/1	0.90	0.17	69,69,69,69	0
57	MG	2A	3467	1/1	0.90	0.25	62,62,62,62	0
57	MG	1a	1673	1/1	0.90	0.18	61,61,61,61	0
57	MG	2A	3469	1/1	0.90	0.14	56,56,56,56	0
57	MG	2a	1668	1/1	0.90	0.18	56,56,56,56	0
57	MG	2A	3716	1/1	0.90	0.17	50,50,50,50	0
57	MG	1A	3986	1/1	0.90	0.08	19,19,19,19	0
57	MG	1A	4001	1/1	0.90	0.08	46,46,46,46	0
57	MG	1A	3696	1/1	0.90	0.13	40,40,40,40	0
57	MG	2a	1679	1/1	0.90	0.15	67,67,67,67	0
57	MG	1A	3533	1/1	0.90	0.16	55,55,55,55	0
57	MG	1x	110	1/1	0.90	0.15	62,62,62,62	0
57	MG	2a	1687	1/1	0.90	0.12	64,64,64,64	0
57	MG	2A	3276	1/1	0.90	0.09	55,55,55,55	0
57	MG	1a	1685	1/1	0.90	0.10	58,58,58,58	0
57	MG	1B	229	1/1	0.90	0.14	57,57,57,57	0
57	MG	1A	3902	1/1	0.90	0.10	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3743	1/1	0.90	0.10	32,32,32,32	0
57	MG	2a	1703	1/1	0.90	0.17	50,50,50,50	0
57	MG	1a	1694	1/1	0.90	0.16	52,52,52,52	0
57	MG	2a	1705	1/1	0.90	0.14	51,51,51,51	0
57	MG	2a	1706	1/1	0.90	0.10	64,64,64,64	0
57	MG	2A	3284	1/1	0.90	0.16	58,58,58,58	0
57	MG	1A	3725	1/1	0.90	0.13	51,51,51,51	0
57	MG	2a	1712	1/1	0.90	0.18	61,61,61,61	0
57	MG	1A	3825	1/1	0.90	0.07	35,35,35,35	0
57	MG	1a	1698	1/1	0.90	0.20	57,57,57,57	0
57	MG	1a	1703	1/1	0.90	0.15	56,56,56,56	0
57	MG	2A	3049	1/1	0.90	0.13	58,58,58,58	0
57	MG	2A	3526	1/1	0.90	0.09	38,38,38,38	0
57	MG	2a	1722	1/1	0.90	0.31	61,61,61,61	0
57	MG	2a	1723	1/1	0.90	0.20	52,52,52,52	0
57	MG	1A	4019	1/1	0.90	0.17	60,60,60,60	0
57	MG	2a	1725	1/1	0.90	0.32	68,68,68,68	0
57	MG	1A	3393	1/1	0.90	0.13	43,43,43,43	0
57	MG	1O	202	1/1	0.90	0.21	51,51,51,51	0
57	MG	1a	1714	1/1	0.90	0.15	57,57,57,57	0
57	MG	2A	3542	1/1	0.90	0.12	45,45,45,45	0
57	MG	1A	3597	1/1	0.90	0.10	30,30,30,30	0
57	MG	1a	1724	1/1	0.90	0.23	49,49,49,49	0
57	MG	2A	3313	1/1	0.90	0.10	50,50,50,50	0
57	MG	2A	3785	1/1	0.90	0.07	33,33,33,33	0
57	MG	1A	3203	1/1	0.90	0.10	50,50,50,50	0
57	MG	1a	1731	1/1	0.90	0.23	41,41,41,41	0
57	MG	2A	3563	1/1	0.90	0.16	56,56,56,56	0
57	MG	1A	3837	1/1	0.90	0.16	47,47,47,47	0
57	MG	2a	1752	1/1	0.90	0.15	63,63,63,63	0
57	MG	2A	3321	1/1	0.90	0.10	67,67,67,67	0
57	MG	2A	3808	1/1	0.90	0.13	60,60,60,60	0
57	MG	2A	3577	1/1	0.90	0.13	60,60,60,60	0
57	MG	1a	1735	1/1	0.90	0.28	65,65,65,65	0
57	MG	2A	3094	1/1	0.90	0.17	67,67,67,67	0
57	MG	1A	3623	1/1	0.90	0.08	16,16,16,16	0
57	MG	1a	1738	1/1	0.90	0.23	47,47,47,47	0
57	MG	2A	3832	1/1	0.90	0.16	63,63,63,63	0
57	MG	2A	3330	1/1	0.90	0.11	58,58,58,58	0
57	MG	1A	3626	1/1	0.90	0.10	38,38,38,38	0
57	MG	2a	1777	1/1	0.90	0.24	59,59,59,59	0
57	MG	2A	3592	1/1	0.90	0.07	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3841	1/1	0.90	0.27	52,52,52,52	0
57	MG	1A	4028	1/1	0.90	0.08	49,49,49,49	0
57	MG	2a	1788	1/1	0.90	0.12	56,56,56,56	0
57	MG	2a	1789	1/1	0.90	0.19	61,61,61,61	0
57	MG	2B	206	1/1	0.90	0.24	67,67,67,67	0
57	MG	2B	208	1/1	0.90	0.12	51,51,51,51	0
57	MG	2A	3337	1/1	0.90	0.08	47,47,47,47	0
57	MG	1A	3544	1/1	0.90	0.27	61,61,61,61	0
57	MG	2a	1799	1/1	0.90	0.19	65,65,65,65	0
57	MG	2A	3117	1/1	0.90	0.24	67,67,67,67	0
57	MG	1A	3402	1/1	0.90	0.10	47,47,47,47	0
57	MG	1A	3957	1/1	0.90	0.08	54,54,54,54	0
57	MG	2a	1803	1/1	0.90	0.13	64,64,64,64	0
57	MG	2a	1804	1/1	0.90	0.12	56,56,56,56	0
57	MG	1A	3764	1/1	0.90	0.10	41,41,41,41	0
57	MG	2A	3625	1/1	0.90	0.12	51,51,51,51	0
57	MG	2B	217	1/1	0.90	0.32	67,67,67,67	0
57	MG	1A	3767	1/1	0.90	0.14	33,33,33,33	0
57	MG	2D	304	1/1	0.90	0.15	49,49,49,49	0
57	MG	2A	3156	1/1	0.90	0.16	56,56,56,56	0
57	MG	2F	304	1/1	0.90	0.20	40,40,40,40	0
57	MG	2I	203	1/1	0.90	0.11	58,58,58,58	0
57	MG	2A	3353	1/1	0.90	0.19	62,62,62,62	0
57	MG	2n	101	1/1	0.90	0.37	69,69,69,69	0
57	MG	2A	3357	1/1	0.90	0.16	61,61,61,61	0
57	MG	2A	3636	1/1	0.90	0.16	56,56,56,56	0
57	MG	13	103	1/1	0.90	0.17	51,51,51,51	0
57	MG	1A	3180	1/1	0.90	0.17	51,51,51,51	0
57	MG	1A	3241	1/1	0.90	0.19	59,59,59,59	0
57	MG	1A	3513	1/1	0.90	0.09	49,49,49,49	0
57	MG	2A	3180	1/1	0.90	0.09	51,51,51,51	0
57	MG	28	101	1/1	0.90	0.13	57,57,57,57	0
57	MG	28	103	1/1	0.90	0.21	55,55,55,55	0
57	MG	1A	3652	1/1	0.90	0.09	34,34,34,34	0
57	MG	1A	3416	1/1	0.90	0.11	46,46,46,46	0
57	MG	2A	3382	1/1	0.90	0.18	67,67,67,67	0
57	MG	1A	4064	1/1	0.90	0.06	31,31,31,31	0
57	MG	27	102	1/1	0.91	0.15	47,47,47,47	0
57	MG	27	103	1/1	0.91	0.11	47,47,47,47	0
57	MG	1A	3584	1/1	0.91	0.18	62,62,62,62	0
57	MG	2A	3614	1/1	0.91	0.11	42,42,42,42	0
57	MG	2A	3618	1/1	0.91	0.11	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1602	1/1	0.91	0.17	58,58,58,58	0
57	MG	1A	3452	1/1	0.91	0.09	49,49,49,49	0
57	MG	2A	3335	1/1	0.91	0.10	56,56,56,56	0
57	MG	2a	1605	1/1	0.91	0.25	61,61,61,61	0
57	MG	2a	1606	1/1	0.91	0.20	65,65,65,65	0
57	MG	2A	3336	1/1	0.91	0.12	56,56,56,56	0
57	MG	1A	3453	1/1	0.91	0.08	42,42,42,42	0
57	MG	2A	3096	1/1	0.91	0.11	52,52,52,52	0
57	MG	1a	1721	1/1	0.91	0.10	48,48,48,48	0
57	MG	1A	3516	1/1	0.91	0.26	47,47,47,47	0
57	MG	2A	3104	1/1	0.91	0.14	49,49,49,49	0
57	MG	2a	1623	1/1	0.91	0.12	56,56,56,56	0
57	MG	2A	3105	1/1	0.91	0.13	52,52,52,52	0
57	MG	2a	1625	1/1	0.91	0.24	57,57,57,57	0
57	MG	1a	1729	1/1	0.91	0.24	48,48,48,48	0
57	MG	1R	204	1/1	0.91	0.13	31,31,31,31	0
57	MG	1A	3754	1/1	0.91	0.10	28,28,28,28	0
57	MG	1A	3058	1/1	0.91	0.12	34,34,34,34	0
57	MG	2A	3647	1/1	0.91	0.10	58,58,58,58	0
57	MG	2a	1635	1/1	0.91	0.24	59,59,59,59	0
57	MG	2A	3125	1/1	0.91	0.11	55,55,55,55	0
57	MG	2A	3363	1/1	0.91	0.07	43,43,43,43	0
57	MG	1S	201	1/1	0.91	0.27	49,49,49,49	0
57	MG	2A	3367	1/1	0.91	0.18	53,53,53,53	0
57	MG	1T	3603	1/1	0.91	0.19	45,45,45,45	0
57	MG	1A	3884	1/1	0.91	0.10	51,51,51,51	0
57	MG	2A	3372	1/1	0.91	0.10	47,47,47,47	0
57	MG	1A	3456	1/1	0.91	0.09	42,42,42,42	0
57	MG	2a	1649	1/1	0.91	0.09	64,64,64,64	0
57	MG	1A	3611	1/1	0.91	0.17	36,36,36,36	0
57	MG	1Z	302	1/1	0.91	0.15	47,47,47,47	0
57	MG	1A	3336	1/1	0.91	0.16	41,41,41,41	0
57	MG	2a	1658	1/1	0.91	0.28	63,63,63,63	0
57	MG	2A	3383	1/1	0.91	0.15	62,62,62,62	0
57	MG	10	106	1/1	0.91	0.07	42,42,42,42	0
57	MG	2A	3387	1/1	0.91	0.12	36,36,36,36	0
57	MG	1A	3310	1/1	0.91	0.29	52,52,52,52	0
57	MG	2A	3397	1/1	0.91	0.11	39,39,39,39	0
57	MG	2A	3179	1/1	0.91	0.15	59,59,59,59	0
57	MG	1A	3898	1/1	0.91	0.13	38,38,38,38	0
57	MG	1A	3526	1/1	0.91	0.20	62,62,62,62	0
57	MG	2A	3184	1/1	0.91	0.22	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3906	1/1	0.91	0.10	37,37,37,37	0
57	MG	15	105	1/1	0.91	0.13	48,48,48,48	0
57	MG	2A	3407	1/1	0.91	0.27	62,62,62,62	0
57	MG	2A	3410	1/1	0.91	0.16	50,50,50,50	0
57	MG	1A	3059	1/1	0.91	0.12	48,48,48,48	0
57	MG	1A	3789	1/1	0.91	0.07	28,28,28,28	0
57	MG	1a	1606	1/1	0.91	0.23	57,57,57,57	0
57	MG	1a	1779	1/1	0.91	0.15	60,60,60,60	0
57	MG	2A	3712	1/1	0.91	0.21	52,52,52,52	0
57	MG	2A	3424	1/1	0.91	0.21	58,58,58,58	0
57	MG	2a	1701	1/1	0.91	0.22	68,68,68,68	0
57	MG	2A	3426	1/1	0.91	0.25	58,58,58,58	0
57	MG	2A	3210	1/1	0.91	0.19	51,51,51,51	0
57	MG	2A	3428	1/1	0.91	0.13	43,43,43,43	0
57	MG	1A	3633	1/1	0.91	0.09	32,32,32,32	0
57	MG	2A	3212	1/1	0.91	0.07	50,50,50,50	0
57	MG	1a	1624	1/1	0.91	0.25	48,48,48,48	0
57	MG	1A	3922	1/1	0.91	0.14	53,53,53,53	0
57	MG	1A	3530	1/1	0.91	0.12	57,57,57,57	0
57	MG	2A	3731	1/1	0.91	0.20	42,42,42,42	0
57	MG	2A	3448	1/1	0.91	0.27	67,67,67,67	0
57	MG	2A	3452	1/1	0.91	0.23	35,35,35,35	0
57	MG	2A	3224	1/1	0.91	0.34	44,44,44,44	0
57	MG	2A	3741	1/1	0.91	0.11	51,51,51,51	0
57	MG	2A	3227	1/1	0.91	0.25	56,56,56,56	0
57	MG	2A	3745	1/1	0.91	0.13	61,61,61,61	0
57	MG	2A	3747	1/1	0.91	0.14	69,69,69,69	0
57	MG	1A	3259	1/1	0.91	0.12	47,47,47,47	0
57	MG	1a	1797	1/1	0.91	0.17	56,56,56,56	0
57	MG	2A	3754	1/1	0.91	0.11	47,47,47,47	0
57	MG	1A	3038	1/1	0.91	0.14	54,54,54,54	0
57	MG	1A	4057	1/1	0.91	0.12	63,63,63,63	0
57	MG	2A	3252	1/1	0.91	0.07	50,50,50,50	0
57	MG	1A	3353	1/1	0.91	0.36	56,56,56,56	0
57	MG	2A	3478	1/1	0.91	0.21	38,38,38,38	0
57	MG	2a	1743	1/1	0.91	0.28	60,60,60,60	0
57	MG	1a	1808	1/1	0.91	0.28	59,59,59,59	0
57	MG	1a	1643	1/1	0.91	0.16	56,56,56,56	0
57	MG	1a	1645	1/1	0.91	0.09	48,48,48,48	0
57	MG	1A	3649	1/1	0.91	0.08	19,19,19,19	0
57	MG	2A	3767	1/1	0.91	0.12	60,60,60,60	0
57	MG	1n	101	1/1	0.91	0.27	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3817	1/1	0.91	0.07	41,41,41,41	0
57	MG	2A	3499	1/1	0.91	0.10	35,35,35,35	0
57	MG	2a	1763	1/1	0.91	0.14	44,44,44,44	0
57	MG	1A	3945	1/1	0.91	0.08	23,23,23,23	0
57	MG	1A	3651	1/1	0.91	0.08	58,58,58,58	0
57	MG	2A	3508	1/1	0.91	0.11	37,37,37,37	0
57	MG	1A	3953	1/1	0.91	0.10	45,45,45,45	0
57	MG	1a	1663	1/1	0.91	0.10	53,53,53,53	0
57	MG	1A	3954	1/1	0.91	0.12	58,58,58,58	0
57	MG	1A	3356	1/1	0.91	0.17	49,49,49,49	0
57	MG	1A	3654	1/1	0.91	0.10	27,27,27,27	0
57	MG	1A	3548	1/1	0.91	0.14	66,66,66,66	0
57	MG	1A	3485	1/1	0.91	0.08	50,50,50,50	0
57	MG	1A	3047	1/1	0.91	0.11	42,42,42,42	0
57	MG	1A	3567	1/1	0.91	0.26	37,37,37,37	0
57	MG	2A	3016	1/1	0.91	0.22	63,63,63,63	0
57	MG	1a	1680	1/1	0.91	0.17	51,51,51,51	0
57	MG	1A	3489	1/1	0.91	0.09	50,50,50,50	0
57	MG	2A	3541	1/1	0.91	0.19	59,59,59,59	0
57	MG	2A	3294	1/1	0.91	0.08	66,66,66,66	0
57	MG	2A	3543	1/1	0.91	0.08	38,38,38,38	0
57	MG	1a	1683	1/1	0.91	0.21	65,65,65,65	0
57	MG	2A	3551	1/1	0.91	0.18	67,67,67,67	0
57	MG	2B	201	1/1	0.91	0.09	60,60,60,60	0
57	MG	2B	204	1/1	0.91	0.11	60,60,60,60	0
57	MG	2A	3552	1/1	0.91	0.07	40,40,40,40	0
57	MG	2A	3298	1/1	0.91	0.11	54,54,54,54	0
57	MG	2A	3557	1/1	0.91	0.11	32,32,32,32	0
57	MG	2d	302	1/1	0.91	0.07	68,68,68,68	0
57	MG	1A	3188	1/1	0.91	0.14	28,28,28,28	0
57	MG	1B	228	1/1	0.91	0.13	51,51,51,51	0
57	MG	2A	3036	1/1	0.91	0.14	59,59,59,59	0
57	MG	2A	3044	1/1	0.91	0.19	54,54,54,54	0
57	MG	1A	3701	1/1	0.91	0.10	63,63,63,63	0
57	MG	2A	3310	1/1	0.91	0.18	55,55,55,55	0
57	MG	1A	3498	1/1	0.91	0.23	41,41,41,41	0
57	MG	1E	307	1/1	0.91	0.09	21,21,21,21	0
57	MG	2A	3316	1/1	0.91	0.19	53,53,53,53	0
57	MG	2v	101	1/1	0.91	0.12	52,52,52,52	0
57	MG	2v	102	1/1	0.91	0.21	66,66,66,66	0
57	MG	1A	3292	1/1	0.91	0.12	39,39,39,39	0
57	MG	2F	303	1/1	0.91	0.14	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3254	1/1	0.91	0.07	36,36,36,36	0
57	MG	2A	3585	1/1	0.91	0.11	63,63,63,63	0
57	MG	2A	3071	1/1	0.91	0.10	59,59,59,59	0
57	MG	2A	3077	1/1	0.91	0.17	52,52,52,52	0
57	MG	2O	201	1/1	0.91	0.23	67,67,67,67	0
57	MG	1F	310	1/1	0.91	0.12	30,30,30,30	0
57	MG	1A	3583	1/1	0.91	0.11	53,53,53,53	0
57	MG	1a	1708	1/1	0.91	0.10	45,45,45,45	0
57	MG	2A	3598	1/1	0.91	0.14	37,37,37,37	0
57	MG	1A	3991	1/1	0.91	0.08	30,30,30,30	0
57	MG	2A	3242	1/1	0.92	0.10	65,65,65,65	0
57	MG	2A	3246	1/1	0.92	0.09	48,48,48,48	0
57	MG	2A	3249	1/1	0.92	0.10	41,41,41,41	0
57	MG	2A	3250	1/1	0.92	0.09	57,57,57,57	0
57	MG	1V	206	1/1	0.92	0.09	58,58,58,58	0
57	MG	1A	3506	1/1	0.92	0.09	51,51,51,51	0
57	MG	1A	3322	1/1	0.92	0.18	56,56,56,56	0
57	MG	2B	218	1/1	0.92	0.12	67,67,67,67	0
57	MG	1A	3415	1/1	0.92	0.09	48,48,48,48	0
57	MG	1A	3641	1/1	0.92	0.13	56,56,56,56	0
57	MG	2D	305	1/1	0.92	0.15	35,35,35,35	0
57	MG	2E	301	1/1	0.92	0.09	50,50,50,50	0
57	MG	2A	3540	1/1	0.92	0.10	37,37,37,37	0
57	MG	2F	301	1/1	0.92	0.09	55,55,55,55	0
57	MG	1a	1785	1/1	0.92	0.09	52,52,52,52	0
57	MG	1a	1786	1/1	0.92	0.14	51,51,51,51	0
57	MG	2F	305	1/1	0.92	0.32	49,49,49,49	0
57	MG	1A	3828	1/1	0.92	0.13	62,62,62,62	0
57	MG	1a	1794	1/1	0.92	0.08	61,61,61,61	0
57	MG	2A	3267	1/1	0.92	0.11	62,62,62,62	0
57	MG	1A	3994	1/1	0.92	0.10	34,34,34,34	0
57	MG	1A	4000	1/1	0.92	0.09	46,46,46,46	0
57	MG	2Q	203	1/1	0.92	0.20	59,59,59,59	0
57	MG	1a	1798	1/1	0.92	0.09	47,47,47,47	0
57	MG	2A	3558	1/1	0.92	0.11	42,42,42,42	0
57	MG	2V	201	1/1	0.92	0.09	63,63,63,63	0
57	MG	1A	3186	1/1	0.92	0.15	50,50,50,50	0
57	MG	23	102	1/1	0.92	0.11	63,63,63,63	0
57	MG	1A	3644	1/1	0.92	0.10	37,37,37,37	0
57	MG	1A	3420	1/1	0.92	0.07	41,41,41,41	0
57	MG	1A	3422	1/1	0.92	0.06	46,46,46,46	0
57	MG	2A	3564	1/1	0.92	0.14	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1809	1/1	0.92	0.22	41,41,41,41	0
57	MG	2A	3571	1/1	0.92	0.09	50,50,50,50	0
57	MG	18	108	1/1	0.92	0.12	39,39,39,39	0
57	MG	1a	1811	1/1	0.92	0.11	42,42,42,42	0
57	MG	1A	3650	1/1	0.92	0.06	20,20,20,20	0
57	MG	2A	3580	1/1	0.92	0.11	62,62,62,62	0
57	MG	1A	3423	1/1	0.92	0.17	44,44,44,44	0
57	MG	1k	201	1/1	0.92	0.14	48,48,48,48	0
57	MG	1l	201	1/1	0.92	0.11	60,60,60,60	0
57	MG	1a	1614	1/1	0.92	0.10	59,59,59,59	0
57	MG	2a	1613	1/1	0.92	0.20	57,57,57,57	0
57	MG	2a	1614	1/1	0.92	0.10	53,53,53,53	0
57	MG	1a	1619	1/1	0.92	0.11	55,55,55,55	0
57	MG	1A	3840	1/1	0.92	0.09	16,16,16,16	0
57	MG	1A	3329	1/1	0.92	0.12	55,55,55,55	0
57	MG	1w	106	1/1	0.92	0.09	61,61,61,61	0
57	MG	1A	3126	1/1	0.92	0.19	33,33,33,33	0
57	MG	2A	3305	1/1	0.92	0.16	63,63,63,63	0
57	MG	2a	1628	1/1	0.92	0.16	42,42,42,42	0
57	MG	1a	1626	1/1	0.92	0.19	49,49,49,49	0
57	MG	1A	3433	1/1	0.92	0.09	50,50,50,50	0
57	MG	2A	3610	1/1	0.92	0.07	31,31,31,31	0
57	MG	1x	106	1/1	0.92	0.12	58,58,58,58	0
57	MG	1A	3853	1/1	0.92	0.16	29,29,29,29	0
57	MG	2A	3619	1/1	0.92	0.13	46,46,46,46	0
57	MG	1a	1634	1/1	0.92	0.17	51,51,51,51	0
57	MG	2a	1637	1/1	0.92	0.14	48,48,48,48	0
57	MG	1A	3856	1/1	0.92	0.18	40,40,40,40	0
57	MG	1A	3273	1/1	0.92	0.10	51,51,51,51	0
57	MG	1A	3672	1/1	0.92	0.09	44,44,44,44	0
57	MG	2A	3005	1/1	0.92	0.18	55,55,55,55	0
57	MG	1a	1641	1/1	0.92	0.21	55,55,55,55	0
57	MG	2A	3007	1/1	0.92	0.18	49,49,49,49	0
57	MG	1A	4037	1/1	0.92	0.12	53,53,53,53	0
57	MG	1A	3274	1/1	0.92	0.17	46,46,46,46	0
57	MG	2a	1650	1/1	0.92	0.17	58,58,58,58	0
57	MG	1a	1647	1/1	0.92	0.16	42,42,42,42	0
57	MG	2A	3333	1/1	0.92	0.15	53,53,53,53	0
57	MG	1A	3539	1/1	0.92	0.13	32,32,32,32	0
57	MG	2a	1656	1/1	0.92	0.17	56,56,56,56	0
57	MG	1A	3683	1/1	0.92	0.06	39,39,39,39	0
57	MG	1A	3439	1/1	0.92	0.11	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1660	1/1	0.92	0.31	73,73,73,73	0
57	MG	2A	3649	1/1	0.92	0.14	72,72,72,72	0
57	MG	2A	3038	1/1	0.92	0.18	59,59,59,59	0
57	MG	1A	3136	1/1	0.92	0.29	31,31,31,31	0
57	MG	1A	4052	1/1	0.92	0.12	47,47,47,47	0
57	MG	2A	3656	1/1	0.92	0.15	66,66,66,66	0
57	MG	1A	3444	1/1	0.92	0.11	59,59,59,59	0
57	MG	1A	3880	1/1	0.92	0.20	34,34,34,34	0
57	MG	1A	3883	1/1	0.92	0.08	53,53,53,53	0
57	MG	2A	3063	1/1	0.92	0.24	54,54,54,54	0
57	MG	2a	1681	1/1	0.92	0.23	56,56,56,56	0
57	MG	2A	3064	1/1	0.92	0.23	50,50,50,50	0
57	MG	2a	1684	1/1	0.92	0.23	52,52,52,52	0
57	MG	2a	1685	1/1	0.92	0.21	58,58,58,58	0
57	MG	2A	3356	1/1	0.92	0.21	50,50,50,50	0
57	MG	1A	4060	1/1	0.92	0.15	51,51,51,51	0
57	MG	2a	1688	1/1	0.92	0.15	50,50,50,50	0
57	MG	2A	3358	1/1	0.92	0.25	44,44,44,44	0
57	MG	2A	3070	1/1	0.92	0.08	32,32,32,32	0
57	MG	2A	3676	1/1	0.92	0.15	63,63,63,63	0
57	MG	2A	3677	1/1	0.92	0.13	42,42,42,42	0
57	MG	2a	1697	1/1	0.92	0.17	59,59,59,59	0
57	MG	1A	3702	1/1	0.92	0.19	61,61,61,61	0
57	MG	2a	1700	1/1	0.92	0.17	59,59,59,59	0
57	MG	1A	3705	1/1	0.92	0.09	35,35,35,35	0
57	MG	1A	3715	1/1	0.92	0.07	47,47,47,47	0
57	MG	1A	3721	1/1	0.92	0.08	63,63,63,63	0
57	MG	1a	1678	1/1	0.92	0.09	48,48,48,48	0
57	MG	1A	3894	1/1	0.92	0.17	35,35,35,35	0
57	MG	1a	1681	1/1	0.92	0.17	58,58,58,58	0
57	MG	1A	3545	1/1	0.92	0.27	49,49,49,49	0
57	MG	2A	3695	1/1	0.92	0.09	52,52,52,52	0
57	MG	2A	3376	1/1	0.92	0.15	61,61,61,61	0
57	MG	2A	3378	1/1	0.92	0.11	52,52,52,52	0
57	MG	1A	3343	1/1	0.92	0.12	34,34,34,34	0
57	MG	1A	3063	1/1	0.92	0.15	51,51,51,51	0
57	MG	1a	1687	1/1	0.92	0.22	46,46,46,46	0
57	MG	1B	207	1/1	0.92	0.26	60,60,60,60	0
57	MG	2A	3709	1/1	0.92	0.10	64,64,64,64	0
57	MG	1B	209	1/1	0.92	0.19	50,50,50,50	0
57	MG	1A	3903	1/1	0.92	0.10	58,58,58,58	0
57	MG	2A	3713	1/1	0.92	0.11	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3346	1/1	0.92	0.14	48,48,48,48	0
57	MG	1A	3733	1/1	0.92	0.09	19,19,19,19	0
57	MG	1A	3347	1/1	0.92	0.13	50,50,50,50	0
57	MG	1A	3736	1/1	0.92	0.13	33,33,33,33	0
57	MG	2A	3402	1/1	0.92	0.17	57,57,57,57	0
57	MG	2A	3118	1/1	0.92	0.16	47,47,47,47	0
57	MG	2a	1740	1/1	0.92	0.34	60,60,60,60	0
57	MG	2A	3723	1/1	0.92	0.09	63,63,63,63	0
57	MG	2a	1742	1/1	0.92	0.13	69,69,69,69	0
57	MG	1A	3204	1/1	0.92	0.12	33,33,33,33	0
57	MG	1A	3295	1/1	0.92	0.21	54,54,54,54	0
57	MG	1A	3210	1/1	0.92	0.11	39,39,39,39	0
57	MG	2A	3729	1/1	0.92	0.07	37,37,37,37	0
57	MG	1A	3470	1/1	0.92	0.22	56,56,56,56	0
57	MG	1A	3354	1/1	0.92	0.15	53,53,53,53	0
57	MG	2a	1753	1/1	0.92	0.12	60,60,60,60	0
57	MG	1a	1719	1/1	0.92	0.17	55,55,55,55	0
57	MG	2A	3735	1/1	0.92	0.08	56,56,56,56	0
57	MG	2A	3157	1/1	0.92	0.20	54,54,54,54	0
57	MG	2A	3160	1/1	0.92	0.17	45,45,45,45	0
57	MG	2A	3423	1/1	0.92	0.28	58,58,58,58	0
57	MG	2A	3163	1/1	0.92	0.08	74,74,74,74	0
57	MG	2a	1766	1/1	0.92	0.19	56,56,56,56	0
57	MG	1B	233	1/1	0.92	0.10	65,65,65,65	0
57	MG	1D	311	1/1	0.92	0.34	32,32,32,32	0
57	MG	1a	1722	1/1	0.92	0.34	59,59,59,59	0
57	MG	2A	3173	1/1	0.92	0.23	61,61,61,61	0
57	MG	1A	3935	1/1	0.92	0.10	55,55,55,55	0
57	MG	1a	1726	1/1	0.92	0.08	63,63,63,63	0
57	MG	1a	1728	1/1	0.92	0.24	52,52,52,52	0
57	MG	2A	3446	1/1	0.92	0.34	44,44,44,44	0
57	MG	2a	1782	1/1	0.92	0.15	67,67,67,67	0
57	MG	1A	3049	1/1	0.92	0.14	30,30,30,30	0
57	MG	1E	312	1/1	0.92	0.11	43,43,43,43	0
57	MG	2A	3450	1/1	0.92	0.17	36,36,36,36	0
57	MG	2A	3187	1/1	0.92	0.17	60,60,60,60	0
57	MG	1A	3309	1/1	0.92	0.17	48,48,48,48	0
57	MG	2A	3456	1/1	0.92	0.36	57,57,57,57	0
57	MG	2a	1797	1/1	0.92	0.10	64,64,64,64	0
57	MG	2A	3190	1/1	0.92	0.22	65,65,65,65	0
57	MG	2A	3191	1/1	0.92	0.10	55,55,55,55	0
57	MG	1A	3773	1/1	0.92	0.07	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3774	1/1	0.92	0.16	58,58,58,58	0
57	MG	2A	3463	1/1	0.92	0.22	58,58,58,58	0
57	MG	2A	3465	1/1	0.92	0.36	60,60,60,60	0
57	MG	2A	3780	1/1	0.92	0.10	48,48,48,48	0
57	MG	2A	3466	1/1	0.92	0.22	55,55,55,55	0
57	MG	2a	1807	1/1	0.92	0.15	58,58,58,58	0
57	MG	2A	3788	1/1	0.92	0.12	49,49,49,49	0
57	MG	1A	3051	1/1	0.92	0.07	48,48,48,48	0
57	MG	1A	3480	1/1	0.92	0.08	55,55,55,55	0
57	MG	1H	201	1/1	0.92	0.19	41,41,41,41	0
57	MG	2A	3474	1/1	0.92	0.06	48,48,48,48	0
57	MG	1A	3379	1/1	0.92	0.17	47,47,47,47	0
57	MG	2A	3206	1/1	0.92	0.24	61,61,61,61	0
57	MG	2l	201	1/1	0.92	0.17	64,64,64,64	0
57	MG	2A	3480	1/1	0.92	0.28	54,54,54,54	0
57	MG	1A	3786	1/1	0.92	0.10	40,40,40,40	0
57	MG	1A	3245	1/1	0.92	0.11	57,57,57,57	0
57	MG	2q	201	1/1	0.92	0.11	69,69,69,69	0
57	MG	1a	1751	1/1	0.92	0.12	47,47,47,47	0
57	MG	2A	3817	1/1	0.92	0.13	53,53,53,53	0
57	MG	1A	3168	1/1	0.92	0.17	50,50,50,50	0
57	MG	1Q	206	1/1	0.92	0.11	33,33,33,33	0
57	MG	2A	3833	1/1	0.92	0.23	65,65,65,65	0
57	MG	1A	3604	1/1	0.92	0.10	13,13,13,13	0
57	MG	2A	3223	1/1	0.92	0.13	46,46,46,46	0
57	MG	1A	3102	1/1	0.92	0.16	47,47,47,47	0
57	MG	2A	3503	1/1	0.92	0.14	55,55,55,55	0
57	MG	1A	3395	1/1	0.92	0.23	60,60,60,60	0
57	MG	1A	3317	1/1	0.92	0.23	57,57,57,57	0
57	MG	2A	3509	1/1	0.92	0.08	40,40,40,40	0
57	MG	1A	3027	1/1	0.92	0.25	56,56,56,56	0
57	MG	1A	3033	1/1	0.92	0.14	34,34,34,34	0
57	MG	1U	209	1/1	0.92	0.18	38,38,38,38	0
57	MG	2A	3844	1/1	0.93	0.08	60,60,60,60	0
57	MG	2A	3490	1/1	0.93	0.13	53,53,53,53	0
57	MG	2B	202	1/1	0.93	0.09	57,57,57,57	0
57	MG	1N	204	1/1	0.93	0.15	52,52,52,52	0
57	MG	1A	3931	1/1	0.93	0.11	39,39,39,39	0
57	MG	1O	203	1/1	0.93	0.08	61,61,61,61	0
57	MG	2A	3207	1/1	0.93	0.12	61,61,61,61	0
57	MG	2A	3208	1/1	0.93	0.16	49,49,49,49	0
57	MG	1A	3593	1/1	0.93	0.10	26,26,26,26	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3397	1/1	0.93	0.09	37,37,37,37	0
57	MG	1A	3400	1/1	0.93	0.14	56,56,56,56	0
57	MG	2A	3214	1/1	0.93	0.23	47,47,47,47	0
57	MG	1A	3760	1/1	0.93	0.12	33,33,33,33	0
57	MG	2A	3219	1/1	0.93	0.14	55,55,55,55	0
57	MG	1A	3608	1/1	0.93	0.10	30,30,30,30	0
57	MG	1A	3319	1/1	0.93	0.12	53,53,53,53	0
57	MG	2D	303	1/1	0.93	0.24	40,40,40,40	0
57	MG	1A	3026	1/1	0.93	0.09	48,48,48,48	0
57	MG	1A	3617	1/1	0.93	0.08	41,41,41,41	0
57	MG	1a	1775	1/1	0.93	0.10	51,51,51,51	0
57	MG	1T	3602	1/1	0.93	0.07	47,47,47,47	0
57	MG	2A	3525	1/1	0.93	0.10	48,48,48,48	0
57	MG	1A	3621	1/1	0.93	0.11	52,52,52,52	0
57	MG	1A	3778	1/1	0.93	0.11	52,52,52,52	0
57	MG	2A	3238	1/1	0.93	0.28	63,63,63,63	0
57	MG	1A	3260	1/1	0.93	0.10	45,45,45,45	0
57	MG	1A	3323	1/1	0.93	0.10	53,53,53,53	0
57	MG	2A	3244	1/1	0.93	0.12	66,66,66,66	0
57	MG	1A	3261	1/1	0.93	0.25	45,45,45,45	0
57	MG	1X	106	1/1	0.93	0.08	48,48,48,48	0
57	MG	2Q	202	1/1	0.93	0.07	40,40,40,40	0
57	MG	1a	1788	1/1	0.93	0.14	40,40,40,40	0
57	MG	1A	3631	1/1	0.93	0.12	62,62,62,62	0
57	MG	2A	3254	1/1	0.93	0.24	62,62,62,62	0
57	MG	2A	3255	1/1	0.93	0.10	45,45,45,45	0
57	MG	2X	101	1/1	0.93	0.09	61,61,61,61	0
57	MG	1A	3056	1/1	0.93	0.08	41,41,41,41	0
57	MG	10	103	1/1	0.93	0.10	39,39,39,39	0
57	MG	25	3101	1/1	0.93	0.23	47,47,47,47	0
57	MG	2A	3259	1/1	0.93	0.08	65,65,65,65	0
57	MG	1A	3421	1/1	0.93	0.14	38,38,38,38	0
57	MG	1A	3798	1/1	0.93	0.09	59,59,59,59	0
57	MG	2A	3262	1/1	0.93	0.16	55,55,55,55	0
57	MG	10	107	1/1	0.93	0.07	42,42,42,42	0
57	MG	1A	3194	1/1	0.93	0.08	39,39,39,39	0
57	MG	11	101	1/1	0.93	0.29	35,35,35,35	0
57	MG	11	102	1/1	0.93	0.14	62,62,62,62	0
57	MG	1A	3640	1/1	0.93	0.08	37,37,37,37	0
57	MG	1A	3077	1/1	0.93	0.11	32,32,32,32	0
57	MG	1A	3808	1/1	0.93	0.07	32,32,32,32	0
57	MG	2a	1608	1/1	0.93	0.20	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1814	1/1	0.93	0.19	53,53,53,53	0
57	MG	1A	3523	1/1	0.93	0.18	46,46,46,46	0
57	MG	1A	3813	1/1	0.93	0.17	44,44,44,44	0
57	MG	2a	1612	1/1	0.93	0.23	63,63,63,63	0
57	MG	1f	201	1/1	0.93	0.14	36,36,36,36	0
57	MG	18	101	1/1	0.93	0.16	54,54,54,54	0
57	MG	18	105	1/1	0.93	0.21	52,52,52,52	0
57	MG	1A	3275	1/1	0.93	0.11	58,58,58,58	0
57	MG	1n	102	1/1	0.93	0.07	40,40,40,40	0
57	MG	1A	3819	1/1	0.93	0.15	48,48,48,48	0
57	MG	1a	1605	1/1	0.93	0.09	53,53,53,53	0
57	MG	1w	102	1/1	0.93	0.11	41,41,41,41	0
57	MG	2A	3604	1/1	0.93	0.14	61,61,61,61	0
57	MG	1w	104	1/1	0.93	0.22	58,58,58,58	0
57	MG	2A	3295	1/1	0.93	0.15	66,66,66,66	0
57	MG	2A	3608	1/1	0.93	0.12	44,44,44,44	0
57	MG	1A	3338	1/1	0.93	0.20	50,50,50,50	0
57	MG	2A	3611	1/1	0.93	0.08	45,45,45,45	0
57	MG	1A	4004	1/1	0.93	0.06	56,56,56,56	0
57	MG	1A	3822	1/1	0.93	0.14	60,60,60,60	0
57	MG	1a	1621	1/1	0.93	0.36	64,64,64,64	0
57	MG	1A	3647	1/1	0.93	0.05	27,27,27,27	0
57	MG	2a	1641	1/1	0.93	0.20	62,62,62,62	0
57	MG	2A	3303	1/1	0.93	0.09	50,50,50,50	0
57	MG	1A	3824	1/1	0.93	0.12	51,51,51,51	0
57	MG	1A	3339	1/1	0.93	0.32	59,59,59,59	0
57	MG	1A	3826	1/1	0.93	0.20	52,52,52,52	0
57	MG	1A	3081	1/1	0.93	0.11	29,29,29,29	0
57	MG	1x	111	1/1	0.93	0.13	68,68,68,68	0
57	MG	1x	113	1/1	0.93	0.17	57,57,57,57	0
57	MG	1A	3436	1/1	0.93	0.11	48,48,48,48	0
57	MG	2A	3637	1/1	0.93	0.10	66,66,66,66	0
57	MG	2A	3640	1/1	0.93	0.11	61,61,61,61	0
57	MG	1a	1629	1/1	0.93	0.20	46,46,46,46	0
57	MG	1a	1632	1/1	0.93	0.14	39,39,39,39	0
57	MG	1A	3281	1/1	0.93	0.12	55,55,55,55	0
57	MG	1A	3091	1/1	0.93	0.14	49,49,49,49	0
57	MG	2A	3645	1/1	0.93	0.07	27,27,27,27	0
57	MG	2A	3646	1/1	0.93	0.09	42,42,42,42	0
57	MG	2A	3008	1/1	0.93	0.08	49,49,49,49	0
57	MG	1A	3834	1/1	0.93	0.12	58,58,58,58	0
57	MG	1a	1638	1/1	0.93	0.23	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3658	1/1	0.93	0.08	27,27,27,27	0
57	MG	2a	1671	1/1	0.93	0.09	53,53,53,53	0
57	MG	1A	3287	1/1	0.93	0.22	31,31,31,31	0
57	MG	2a	1673	1/1	0.93	0.17	62,62,62,62	0
57	MG	1a	1642	1/1	0.93	0.22	47,47,47,47	0
57	MG	1A	4031	1/1	0.93	0.10	26,26,26,26	0
57	MG	1A	3148	1/1	0.93	0.11	32,32,32,32	0
57	MG	1A	3293	1/1	0.93	0.18	44,44,44,44	0
57	MG	2A	3042	1/1	0.93	0.18	72,72,72,72	0
57	MG	1A	3211	1/1	0.93	0.10	48,48,48,48	0
57	MG	1A	4041	1/1	0.93	0.10	57,57,57,57	0
57	MG	1A	3677	1/1	0.93	0.09	32,32,32,32	0
57	MG	2A	3055	1/1	0.93	0.20	55,55,55,55	0
57	MG	2A	3666	1/1	0.93	0.16	56,56,56,56	0
57	MG	2A	3344	1/1	0.93	0.18	52,52,52,52	0
57	MG	2A	3346	1/1	0.93	0.13	57,57,57,57	0
57	MG	2A	3674	1/1	0.93	0.07	68,68,68,68	0
57	MG	1A	3097	1/1	0.93	0.14	53,53,53,53	0
57	MG	2A	3057	1/1	0.93	0.18	51,51,51,51	0
57	MG	2a	1698	1/1	0.93	0.21	63,63,63,63	0
57	MG	2A	3678	1/1	0.93	0.10	65,65,65,65	0
57	MG	2A	3679	1/1	0.93	0.09	68,68,68,68	0
57	MG	1A	3553	1/1	0.93	0.06	54,54,54,54	0
57	MG	2A	3682	1/1	0.93	0.07	60,60,60,60	0
57	MG	2A	3683	1/1	0.93	0.20	62,62,62,62	0
57	MG	1A	3854	1/1	0.93	0.16	37,37,37,37	0
57	MG	1A	3556	1/1	0.93	0.26	53,53,53,53	0
57	MG	1A	3298	1/1	0.93	0.23	57,57,57,57	0
57	MG	2A	3690	1/1	0.93	0.13	33,33,33,33	0
57	MG	2a	1711	1/1	0.93	0.41	70,70,70,70	0
57	MG	1A	3697	1/1	0.93	0.09	37,37,37,37	0
57	MG	2A	3359	1/1	0.93	0.30	53,53,53,53	0
57	MG	1A	3700	1/1	0.93	0.14	49,49,49,49	0
57	MG	1A	3001	1/1	0.93	0.09	36,36,36,36	0
57	MG	2a	1716	1/1	0.93	0.20	52,52,52,52	0
57	MG	2A	3364	1/1	0.93	0.11	57,57,57,57	0
57	MG	1A	3360	1/1	0.93	0.22	56,56,56,56	0
57	MG	2a	1720	1/1	0.93	0.27	58,58,58,58	0
57	MG	2A	3698	1/1	0.93	0.07	33,33,33,33	0
57	MG	2A	3700	1/1	0.93	0.20	62,62,62,62	0
57	MG	1A	3871	1/1	0.93	0.09	42,42,42,42	0
57	MG	1A	3308	1/1	0.93	0.09	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3369	1/1	0.93	0.10	64,64,64,64	0
57	MG	2A	3085	1/1	0.93	0.08	49,49,49,49	0
57	MG	2A	3371	1/1	0.93	0.08	60,60,60,60	0
57	MG	1A	3709	1/1	0.93	0.07	30,30,30,30	0
57	MG	1A	3711	1/1	0.93	0.16	43,43,43,43	0
57	MG	2A	3089	1/1	0.93	0.08	51,51,51,51	0
57	MG	1A	3244	1/1	0.93	0.08	44,44,44,44	0
57	MG	1A	3716	1/1	0.93	0.14	62,62,62,62	0
57	MG	1A	4073	1/1	0.93	0.07	40,40,40,40	0
57	MG	1B	202	1/1	0.93	0.17	49,49,49,49	0
57	MG	1A	3717	1/1	0.93	0.10	59,59,59,59	0
57	MG	1A	3377	1/1	0.93	0.18	26,26,26,26	0
57	MG	1A	3722	1/1	0.93	0.07	49,49,49,49	0
57	MG	1B	215	1/1	0.93	0.14	44,44,44,44	0
57	MG	2a	1747	1/1	0.93	0.21	67,67,67,67	0
57	MG	2A	3392	1/1	0.93	0.20	42,42,42,42	0
57	MG	2a	1751	1/1	0.93	0.12	69,69,69,69	0
57	MG	2A	3394	1/1	0.93	0.21	54,54,54,54	0
57	MG	1A	3100	1/1	0.93	0.06	33,33,33,33	0
57	MG	1A	3248	1/1	0.93	0.09	19,19,19,19	0
57	MG	2A	3112	1/1	0.93	0.14	47,47,47,47	0
57	MG	2a	1760	1/1	0.93	0.15	60,60,60,60	0
57	MG	2A	3116	1/1	0.93	0.17	50,50,50,50	0
57	MG	1A	3726	1/1	0.93	0.07	46,46,46,46	0
57	MG	2A	3734	1/1	0.93	0.20	55,55,55,55	0
57	MG	2A	3403	1/1	0.93	0.12	57,57,57,57	0
57	MG	1a	1701	1/1	0.93	0.08	51,51,51,51	0
57	MG	1A	3582	1/1	0.93	0.16	48,48,48,48	0
57	MG	2A	3133	1/1	0.93	0.24	68,68,68,68	0
57	MG	2A	3136	1/1	0.93	0.20	41,41,41,41	0
57	MG	2A	3746	1/1	0.93	0.12	47,47,47,47	0
57	MG	2a	1775	1/1	0.93	0.31	66,66,66,66	0
57	MG	2A	3409	1/1	0.93	0.25	45,45,45,45	0
57	MG	2A	3143	1/1	0.93	0.09	48,48,48,48	0
57	MG	2a	1778	1/1	0.93	0.14	57,57,57,57	0
57	MG	2A	3144	1/1	0.93	0.10	43,43,43,43	0
57	MG	2A	3412	1/1	0.93	0.22	42,42,42,42	0
57	MG	1a	1704	1/1	0.93	0.17	45,45,45,45	0
57	MG	1B	225	1/1	0.93	0.06	32,32,32,32	0
57	MG	2A	3150	1/1	0.93	0.20	40,40,40,40	0
57	MG	1A	3900	1/1	0.93	0.15	56,56,56,56	0
57	MG	2A	3153	1/1	0.93	0.10	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3024	1/1	0.93	0.10	38,38,38,38	0
57	MG	1A	3731	1/1	0.93	0.12	20,20,20,20	0
57	MG	1A	3904	1/1	0.93	0.08	57,57,57,57	0
57	MG	2A	3158	1/1	0.93	0.07	32,32,32,32	0
57	MG	2A	3159	1/1	0.93	0.34	62,62,62,62	0
57	MG	1B	230	1/1	0.93	0.11	60,60,60,60	0
57	MG	1A	3905	1/1	0.93	0.16	28,28,28,28	0
57	MG	2A	3770	1/1	0.93	0.07	41,41,41,41	0
57	MG	1A	3392	1/1	0.93	0.10	41,41,41,41	0
57	MG	2A	3166	1/1	0.93	0.11	56,56,56,56	0
57	MG	2a	1805	1/1	0.93	0.12	71,71,71,71	0
57	MG	1A	3907	1/1	0.93	0.07	58,58,58,58	0
57	MG	1D	313	1/1	0.93	0.15	36,36,36,36	0
57	MG	2A	3172	1/1	0.93	0.13	45,45,45,45	0
57	MG	2A	3784	1/1	0.93	0.10	39,39,39,39	0
57	MG	1A	3482	1/1	0.93	0.08	53,53,53,53	0
57	MG	2A	3786	1/1	0.93	0.07	56,56,56,56	0
57	MG	1A	3113	1/1	0.93	0.10	34,34,34,34	0
57	MG	2A	3790	1/1	0.93	0.07	32,32,32,32	0
57	MG	1A	3738	1/1	0.93	0.07	61,61,61,61	0
57	MG	2A	3793	1/1	0.93	0.10	29,29,29,29	0
57	MG	1F	304	1/1	0.93	0.09	33,33,33,33	0
57	MG	1A	3740	1/1	0.93	0.13	45,45,45,45	0
57	MG	1A	3925	1/1	0.93	0.14	57,57,57,57	0
57	MG	2A	3464	1/1	0.93	0.09	44,44,44,44	0
57	MG	2A	3185	1/1	0.93	0.18	62,62,62,62	0
57	MG	1F	312	1/1	0.93	0.13	45,45,45,45	0
57	MG	1A	3744	1/1	0.93	0.15	43,43,43,43	0
57	MG	1A	3115	1/1	0.93	0.16	20,20,20,20	0
57	MG	1a	1739	1/1	0.93	0.38	62,62,62,62	0
57	MG	2A	3816	1/1	0.93	0.08	32,32,32,32	0
57	MG	2A	3473	1/1	0.93	0.22	52,52,52,52	0
57	MG	1a	1742	1/1	0.93	0.13	59,59,59,59	0
57	MG	1A	3182	1/1	0.93	0.15	65,65,65,65	0
57	MG	2x	102	1/1	0.93	0.13	51,51,51,51	0
57	MG	2x	104	1/1	0.93	0.10	50,50,50,50	0
57	MG	2A	3196	1/1	0.93	0.11	52,52,52,52	0
57	MG	2A	3479	1/1	0.93	0.24	53,53,53,53	0
57	MG	1N	202	1/1	0.93	0.11	48,48,48,48	0
57	MG	2A	3199	1/1	0.93	0.07	40,40,40,40	0
57	MG	2A	3203	1/1	0.93	0.18	51,51,51,51	0
57	MG	2A	3486	1/1	0.93	0.10	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3225	1/1	0.94	0.26	40,40,40,40	0
57	MG	1A	3686	1/1	0.94	0.08	30,30,30,30	0
57	MG	2B	205	1/1	0.94	0.15	58,58,58,58	0
57	MG	1a	1799	1/1	0.94	0.09	54,54,54,54	0
57	MG	2B	207	1/1	0.94	0.10	61,61,61,61	0
57	MG	1A	3687	1/1	0.94	0.14	31,31,31,31	0
57	MG	1a	1803	1/1	0.94	0.30	60,60,60,60	0
57	MG	2A	3237	1/1	0.94	0.29	58,58,58,58	0
57	MG	13	104	1/1	0.94	0.05	39,39,39,39	0
57	MG	1A	3688	1/1	0.94	0.16	49,49,49,49	0
57	MG	2A	3240	1/1	0.94	0.12	63,63,63,63	0
57	MG	15	103	1/1	0.94	0.12	38,38,38,38	0
57	MG	2A	3524	1/1	0.94	0.09	37,37,37,37	0
57	MG	15	104	1/1	0.94	0.12	26,26,26,26	0
57	MG	1A	3385	1/1	0.94	0.08	32,32,32,32	0
57	MG	1A	4016	1/1	0.94	0.12	48,48,48,48	0
57	MG	17	104	1/1	0.94	0.08	40,40,40,40	0
57	MG	2A	3533	1/1	0.94	0.15	44,44,44,44	0
57	MG	2A	3251	1/1	0.94	0.23	51,51,51,51	0
57	MG	1A	3835	1/1	0.94	0.20	33,33,33,33	0
57	MG	2E	302	1/1	0.94	0.19	52,52,52,52	0
57	MG	2A	3538	1/1	0.94	0.08	45,45,45,45	0
57	MG	1A	3391	1/1	0.94	0.07	44,44,44,44	0
57	MG	1e	201	1/1	0.94	0.09	55,55,55,55	0
57	MG	1A	3326	1/1	0.94	0.07	56,56,56,56	0
57	MG	1a	1601	1/1	0.94	0.12	47,47,47,47	0
57	MG	1A	3699	1/1	0.94	0.10	44,44,44,44	0
57	MG	2A	3549	1/1	0.94	0.10	35,35,35,35	0
57	MG	1A	3034	1/1	0.94	0.07	33,33,33,33	0
57	MG	1A	3573	1/1	0.94	0.07	43,43,43,43	0
57	MG	2O	202	1/1	0.94	0.10	55,55,55,55	0
57	MG	1a	1609	1/1	0.94	0.11	48,48,48,48	0
57	MG	1a	1610	1/1	0.94	0.09	27,27,27,27	0
57	MG	1a	1611	1/1	0.94	0.11	61,61,61,61	0
57	MG	1A	3394	1/1	0.94	0.30	41,41,41,41	0
57	MG	1a	1617	1/1	0.94	0.07	43,43,43,43	0
57	MG	2A	3561	1/1	0.94	0.07	22,22,22,22	0
57	MG	1A	3847	1/1	0.94	0.08	42,42,42,42	0
57	MG	20	101	1/1	0.94	0.17	54,54,54,54	0
57	MG	2A	3269	1/1	0.94	0.14	52,52,52,52	0
57	MG	1A	3849	1/1	0.94	0.07	37,37,37,37	0
57	MG	1A	3704	1/1	0.94	0.11	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1623	1/1	0.94	0.13	57,57,57,57	0
57	MG	2A	3277	1/1	0.94	0.14	49,49,49,49	0
57	MG	2A	3575	1/1	0.94	0.10	54,54,54,54	0
57	MG	1A	3578	1/1	0.94	0.18	47,47,47,47	0
57	MG	1A	3579	1/1	0.94	0.21	50,50,50,50	0
57	MG	2A	3280	1/1	0.94	0.17	53,53,53,53	0
57	MG	1A	3580	1/1	0.94	0.09	36,36,36,36	0
57	MG	1A	4042	1/1	0.94	0.14	40,40,40,40	0
57	MG	1A	3714	1/1	0.94	0.11	65,65,65,65	0
57	MG	2A	3285	1/1	0.94	0.21	50,50,50,50	0
57	MG	1x	112	1/1	0.94	0.21	48,48,48,48	0
57	MG	2a	1607	1/1	0.94	0.21	61,61,61,61	0
57	MG	1A	3862	1/1	0.94	0.20	30,30,30,30	0
57	MG	1a	1630	1/1	0.94	0.45	59,59,59,59	0
57	MG	1A	3138	1/1	0.94	0.08	40,40,40,40	0
57	MG	1A	3064	1/1	0.94	0.10	35,35,35,35	0
57	MG	2A	3595	1/1	0.94	0.07	33,33,33,33	0
57	MG	1A	3296	1/1	0.94	0.20	40,40,40,40	0
57	MG	1A	3483	1/1	0.94	0.09	45,45,45,45	0
57	MG	2A	3605	1/1	0.94	0.18	62,62,62,62	0
57	MG	2a	1616	1/1	0.94	0.23	50,50,50,50	0
57	MG	1A	4056	1/1	0.94	0.06	38,38,38,38	0
57	MG	2a	1619	1/1	0.94	0.24	66,66,66,66	0
57	MG	1A	3004	1/1	0.94	0.08	24,24,24,24	0
57	MG	2A	3024	1/1	0.94	0.27	48,48,48,48	0
57	MG	2A	3609	1/1	0.94	0.18	57,57,57,57	0
57	MG	1A	3874	1/1	0.94	0.13	19,19,19,19	0
57	MG	2a	1626	1/1	0.94	0.08	68,68,68,68	0
57	MG	2a	1627	1/1	0.94	0.26	57,57,57,57	0
57	MG	1A	3214	1/1	0.94	0.10	41,41,41,41	0
57	MG	1A	3404	1/1	0.94	0.09	42,42,42,42	0
57	MG	2A	3616	1/1	0.94	0.08	38,38,38,38	0
57	MG	2A	3029	1/1	0.94	0.21	54,54,54,54	0
57	MG	1A	3340	1/1	0.94	0.14	57,57,57,57	0
57	MG	2A	3306	1/1	0.94	0.09	34,34,34,34	0
57	MG	2A	3307	1/1	0.94	0.08	52,52,52,52	0
57	MG	2A	3032	1/1	0.94	0.15	42,42,42,42	0
57	MG	1A	3727	1/1	0.94	0.09	52,52,52,52	0
57	MG	1a	1648	1/1	0.94	0.10	46,46,46,46	0
57	MG	2a	1639	1/1	0.94	0.17	53,53,53,53	0
57	MG	2A	3037	1/1	0.94	0.10	47,47,47,47	0
57	MG	1A	3219	1/1	0.94	0.14	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3632	1/1	0.94	0.13	44,44,44,44	0
57	MG	2A	3633	1/1	0.94	0.10	58,58,58,58	0
57	MG	2A	3039	1/1	0.94	0.20	52,52,52,52	0
57	MG	2A	3635	1/1	0.94	0.14	46,46,46,46	0
57	MG	2A	3319	1/1	0.94	0.07	51,51,51,51	0
57	MG	2A	3041	1/1	0.94	0.13	56,56,56,56	0
57	MG	1A	3495	1/1	0.94	0.21	30,30,30,30	0
57	MG	2A	3043	1/1	0.94	0.09	47,47,47,47	0
57	MG	2A	3323	1/1	0.94	0.10	47,47,47,47	0
57	MG	1A	4068	1/1	0.94	0.07	70,70,70,70	0
57	MG	2A	3047	1/1	0.94	0.28	41,41,41,41	0
57	MG	1A	3599	1/1	0.94	0.09	33,33,33,33	0
57	MG	2a	1659	1/1	0.94	0.18	59,59,59,59	0
57	MG	1A	3887	1/1	0.94	0.08	40,40,40,40	0
57	MG	1A	3497	1/1	0.94	0.22	34,34,34,34	0
57	MG	1A	4074	1/1	0.94	0.07	38,38,38,38	0
57	MG	1A	3409	1/1	0.94	0.24	53,53,53,53	0
57	MG	1a	1667	1/1	0.94	0.21	60,60,60,60	0
57	MG	1a	1668	1/1	0.94	0.07	51,51,51,51	0
57	MG	2A	3654	1/1	0.94	0.11	44,44,44,44	0
57	MG	2a	1670	1/1	0.94	0.08	58,58,58,58	0
57	MG	1B	204	1/1	0.94	0.25	57,57,57,57	0
57	MG	1B	205	1/1	0.94	0.06	49,49,49,49	0
57	MG	1B	206	1/1	0.94	0.12	43,43,43,43	0
57	MG	2A	3340	1/1	0.94	0.09	54,54,54,54	0
57	MG	1A	3499	1/1	0.94	0.11	51,51,51,51	0
57	MG	2a	1677	1/1	0.94	0.15	45,45,45,45	0
57	MG	2a	1678	1/1	0.94	0.24	55,55,55,55	0
57	MG	2A	3072	1/1	0.94	0.15	56,56,56,56	0
57	MG	1A	3301	1/1	0.94	0.11	43,43,43,43	0
57	MG	1A	3614	1/1	0.94	0.06	25,25,25,25	0
57	MG	1B	212	1/1	0.94	0.06	57,57,57,57	0
57	MG	2A	3349	1/1	0.94	0.12	47,47,47,47	0
57	MG	2A	3668	1/1	0.94	0.10	60,60,60,60	0
57	MG	1A	3742	1/1	0.94	0.07	28,28,28,28	0
57	MG	2A	3670	1/1	0.94	0.13	51,51,51,51	0
57	MG	2a	1689	1/1	0.94	0.19	57,57,57,57	0
57	MG	1A	3304	1/1	0.94	0.15	46,46,46,46	0
57	MG	1A	3746	1/1	0.94	0.08	13,13,13,13	0
57	MG	2A	3355	1/1	0.94	0.24	53,53,53,53	0
57	MG	1A	3220	1/1	0.94	0.15	42,42,42,42	0
57	MG	1A	3622	1/1	0.94	0.07	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3751	1/1	0.94	0.07	22,22,22,22	0
57	MG	1a	1688	1/1	0.94	0.31	45,45,45,45	0
57	MG	1A	3507	1/1	0.94	0.09	49,49,49,49	0
57	MG	2A	3097	1/1	0.94	0.20	59,59,59,59	0
57	MG	2A	3098	1/1	0.94	0.14	55,55,55,55	0
57	MG	1A	3909	1/1	0.94	0.10	51,51,51,51	0
57	MG	1A	3625	1/1	0.94	0.09	35,35,35,35	0
57	MG	2A	3102	1/1	0.94	0.15	50,50,50,50	0
57	MG	1A	3755	1/1	0.94	0.11	38,38,38,38	0
57	MG	1A	3757	1/1	0.94	0.06	33,33,33,33	0
57	MG	2A	3106	1/1	0.94	0.13	39,39,39,39	0
57	MG	1A	3183	1/1	0.94	0.11	32,32,32,32	0
57	MG	2A	3108	1/1	0.94	0.20	62,62,62,62	0
57	MG	1A	3627	1/1	0.94	0.11	51,51,51,51	0
57	MG	1a	1702	1/1	0.94	0.09	51,51,51,51	0
57	MG	2A	3377	1/1	0.94	0.17	55,55,55,55	0
57	MG	1A	3270	1/1	0.94	0.26	39,39,39,39	0
57	MG	2a	1718	1/1	0.94	0.29	58,58,58,58	0
57	MG	2A	3379	1/1	0.94	0.08	51,51,51,51	0
57	MG	2A	3113	1/1	0.94	0.13	61,61,61,61	0
57	MG	2a	1721	1/1	0.94	0.17	57,57,57,57	0
57	MG	1A	3233	1/1	0.94	0.12	36,36,36,36	0
57	MG	1E	301	1/1	0.94	0.16	38,38,38,38	0
57	MG	2A	3384	1/1	0.94	0.17	39,39,39,39	0
57	MG	1A	3075	1/1	0.94	0.16	38,38,38,38	0
57	MG	2A	3121	1/1	0.94	0.10	39,39,39,39	0
57	MG	2A	3124	1/1	0.94	0.09	45,45,45,45	0
57	MG	2A	3390	1/1	0.94	0.19	38,38,38,38	0
57	MG	2A	3391	1/1	0.94	0.15	31,31,31,31	0
57	MG	1a	1709	1/1	0.94	0.17	40,40,40,40	0
57	MG	1A	3930	1/1	0.94	0.09	56,56,56,56	0
57	MG	1A	3164	1/1	0.94	0.09	32,32,32,32	0
57	MG	2a	1739	1/1	0.94	0.30	55,55,55,55	0
57	MG	2A	3140	1/1	0.94	0.15	50,50,50,50	0
57	MG	2A	3399	1/1	0.94	0.35	55,55,55,55	0
57	MG	1A	3521	1/1	0.94	0.17	44,44,44,44	0
57	MG	2A	3725	1/1	0.94	0.11	48,48,48,48	0
57	MG	1a	1718	1/1	0.94	0.26	41,41,41,41	0
57	MG	1F	306	1/1	0.94	0.20	34,34,34,34	0
57	MG	2A	3146	1/1	0.94	0.20	52,52,52,52	0
57	MG	1A	3638	1/1	0.94	0.09	36,36,36,36	0
57	MG	1A	3936	1/1	0.94	0.12	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1749	1/1	0.94	0.16	58,58,58,58	0
57	MG	1A	3780	1/1	0.94	0.11	45,45,45,45	0
57	MG	1a	1723	1/1	0.94	0.14	52,52,52,52	0
57	MG	1A	3940	1/1	0.94	0.14	42,42,42,42	0
57	MG	2A	3736	1/1	0.94	0.11	45,45,45,45	0
57	MG	1a	1725	1/1	0.94	0.10	57,57,57,57	0
57	MG	1A	3127	1/1	0.94	0.16	41,41,41,41	0
57	MG	2A	3742	1/1	0.94	0.06	28,28,28,28	0
57	MG	1A	3246	1/1	0.94	0.25	42,42,42,42	0
57	MG	1A	3949	1/1	0.94	0.08	26,26,26,26	0
57	MG	2A	3414	1/1	0.94	0.13	59,59,59,59	0
57	MG	2A	3415	1/1	0.94	0.14	45,45,45,45	0
57	MG	1A	3283	1/1	0.94	0.07	40,40,40,40	0
57	MG	1A	3320	1/1	0.94	0.15	45,45,45,45	0
57	MG	1A	3791	1/1	0.94	0.07	36,36,36,36	0
57	MG	1A	3793	1/1	0.94	0.30	27,27,27,27	0
57	MG	2a	1774	1/1	0.94	0.20	62,62,62,62	0
57	MG	2A	3425	1/1	0.94	0.28	44,44,44,44	0
57	MG	1A	3527	1/1	0.94	0.07	51,51,51,51	0
57	MG	1A	3367	1/1	0.94	0.09	52,52,52,52	0
57	MG	2A	3170	1/1	0.94	0.06	48,48,48,48	0
57	MG	2A	3429	1/1	0.94	0.07	51,51,51,51	0
57	MG	1Q	204	1/1	0.94	0.12	46,46,46,46	0
57	MG	1A	3370	1/1	0.94	0.28	33,33,33,33	0
57	MG	2a	1783	1/1	0.94	0.11	57,57,57,57	0
57	MG	1A	3371	1/1	0.94	0.07	47,47,47,47	0
57	MG	2A	3176	1/1	0.94	0.17	64,64,64,64	0
57	MG	2A	3177	1/1	0.94	0.09	46,46,46,46	0
57	MG	1A	3966	1/1	0.94	0.09	64,64,64,64	0
57	MG	1A	3374	1/1	0.94	0.19	57,57,57,57	0
57	MG	2a	1792	1/1	0.94	0.22	56,56,56,56	0
57	MG	2A	3772	1/1	0.94	0.09	46,46,46,46	0
57	MG	2a	1795	1/1	0.94	0.26	53,53,53,53	0
57	MG	1A	3969	1/1	0.94	0.09	18,18,18,18	0
57	MG	1T	3601	1/1	0.94	0.23	50,50,50,50	0
57	MG	1a	1754	1/1	0.94	0.12	40,40,40,40	0
57	MG	1A	3449	1/1	0.94	0.11	47,47,47,47	0
57	MG	2A	3778	1/1	0.94	0.11	35,35,35,35	0
57	MG	2A	3188	1/1	0.94	0.18	40,40,40,40	0
57	MG	2A	3783	1/1	0.94	0.07	62,62,62,62	0
57	MG	2A	3458	1/1	0.94	0.10	41,41,41,41	0
57	MG	1A	3971	1/1	0.94	0.08	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1761	1/1	0.94	0.13	48,48,48,48	0
57	MG	1A	3450	1/1	0.94	0.09	43,43,43,43	0
57	MG	2a	1808	1/1	0.94	0.19	57,57,57,57	0
57	MG	1A	3655	1/1	0.94	0.06	33,33,33,33	0
57	MG	1a	1768	1/1	0.94	0.14	41,41,41,41	0
57	MG	1A	3976	1/1	0.94	0.07	55,55,55,55	0
57	MG	1W	202	1/1	0.94	0.19	37,37,37,37	0
57	MG	1A	3285	1/1	0.94	0.24	44,44,44,44	0
57	MG	1A	3663	1/1	0.94	0.09	24,24,24,24	0
57	MG	2A	3804	1/1	0.94	0.07	47,47,47,47	0
57	MG	1Y	201	1/1	0.94	0.11	49,49,49,49	0
57	MG	2A	3807	1/1	0.94	0.12	50,50,50,50	0
57	MG	1Y	202	1/1	0.94	0.17	52,52,52,52	0
57	MG	1a	1778	1/1	0.94	0.10	55,55,55,55	0
57	MG	1A	3247	1/1	0.94	0.14	59,59,59,59	0
57	MG	1Z	301	1/1	0.94	0.16	59,59,59,59	0
57	MG	2t	201	1/1	0.94	0.18	49,49,49,49	0
57	MG	2A	3209	1/1	0.94	0.21	55,55,55,55	0
57	MG	1A	3129	1/1	0.94	0.08	71,71,71,71	0
57	MG	10	102	1/1	0.94	0.18	44,44,44,44	0
57	MG	2A	3821	1/1	0.94	0.10	42,42,42,42	0
57	MG	1A	3289	1/1	0.94	0.20	43,43,43,43	0
57	MG	2A	3213	1/1	0.94	0.17	46,46,46,46	0
57	MG	1A	3457	1/1	0.94	0.10	47,47,47,47	0
57	MG	1a	1787	1/1	0.94	0.11	40,40,40,40	0
57	MG	2A	3493	1/1	0.94	0.16	55,55,55,55	0
57	MG	2A	3837	1/1	0.94	0.13	58,58,58,58	0
57	MG	1A	3998	1/1	0.94	0.06	37,37,37,37	0
57	MG	1A	3561	1/1	0.94	0.09	36,36,36,36	0
57	MG	2A	3842	1/1	0.94	0.10	54,54,54,54	0
57	MG	1A	3678	1/1	0.94	0.08	20,20,20,20	0
57	MG	1A	3383	1/1	0.94	0.30	62,62,62,62	0
58	K	2x	101	1/1	0.94	0.07	46,46,46,46	0
57	MG	1A	3464	1/1	0.94	0.12	49,49,49,49	0
57	MG	1a	1760	1/1	0.95	0.15	49,49,49,49	0
57	MG	2A	3200	1/1	0.95	0.13	59,59,59,59	0
57	MG	2A	3483	1/1	0.95	0.07	68,68,68,68	0
57	MG	2A	3835	1/1	0.95	0.17	40,40,40,40	0
57	MG	1P	201	1/1	0.95	0.20	32,32,32,32	0
57	MG	1A	3941	1/1	0.95	0.09	53,53,53,53	0
57	MG	1a	1764	1/1	0.95	0.18	47,47,47,47	0
57	MG	2A	3839	1/1	0.95	0.11	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1Q	201	1/1	0.95	0.23	36,36,36,36	0
57	MG	1a	1767	1/1	0.95	0.14	55,55,55,55	0
57	MG	1A	3375	1/1	0.95	0.15	50,50,50,50	0
57	MG	1A	3944	1/1	0.95	0.06	50,50,50,50	0
57	MG	1R	203	1/1	0.95	0.12	42,42,42,42	0
57	MG	1A	3607	1/1	0.95	0.08	52,52,52,52	0
57	MG	2B	203	1/1	0.95	0.16	53,53,53,53	0
57	MG	1A	3948	1/1	0.95	0.09	39,39,39,39	0
57	MG	1A	3479	1/1	0.95	0.21	30,30,30,30	0
57	MG	1a	1776	1/1	0.95	0.09	56,56,56,56	0
57	MG	1A	3237	1/1	0.95	0.17	35,35,35,35	0
57	MG	2A	3507	1/1	0.95	0.10	48,48,48,48	0
57	MG	1S	202	1/1	0.95	0.09	45,45,45,45	0
57	MG	1S	203	1/1	0.95	0.07	50,50,50,50	0
57	MG	1A	3952	1/1	0.95	0.11	44,44,44,44	0
57	MG	2B	212	1/1	0.95	0.23	53,53,53,53	0
57	MG	1A	3238	1/1	0.95	0.09	41,41,41,41	0
57	MG	1A	3305	1/1	0.95	0.12	31,31,31,31	0
57	MG	1U	203	1/1	0.95	0.07	51,51,51,51	0
57	MG	1A	3616	1/1	0.95	0.05	31,31,31,31	0
57	MG	1A	3771	1/1	0.95	0.07	56,56,56,56	0
57	MG	2A	3231	1/1	0.95	0.08	49,49,49,49	0
57	MG	1V	203	1/1	0.95	0.24	49,49,49,49	0
57	MG	1A	3959	1/1	0.95	0.10	41,41,41,41	0
57	MG	1A	3306	1/1	0.95	0.21	26,26,26,26	0
57	MG	1W	203	1/1	0.95	0.07	37,37,37,37	0
57	MG	1W	207	1/1	0.95	0.14	27,27,27,27	0
57	MG	1A	3619	1/1	0.95	0.06	33,33,33,33	0
57	MG	1A	3620	1/1	0.95	0.05	20,20,20,20	0
57	MG	2E	307	1/1	0.95	0.14	37,37,37,37	0
57	MG	2A	3536	1/1	0.95	0.07	37,37,37,37	0
57	MG	2F	302	1/1	0.95	0.05	39,39,39,39	0
57	MG	2A	3243	1/1	0.95	0.12	62,62,62,62	0
57	MG	1A	3965	1/1	0.95	0.06	55,55,55,55	0
57	MG	2A	3539	1/1	0.95	0.07	30,30,30,30	0
57	MG	1A	3240	1/1	0.95	0.13	47,47,47,47	0
57	MG	1A	3779	1/1	0.95	0.08	44,44,44,44	0
57	MG	1A	3486	1/1	0.95	0.12	37,37,37,37	0
57	MG	1A	3487	1/1	0.95	0.29	50,50,50,50	0
57	MG	1A	3111	1/1	0.95	0.17	33,33,33,33	0
57	MG	2P	201	1/1	0.95	0.23	47,47,47,47	0
57	MG	2A	3253	1/1	0.95	0.12	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3550	1/1	0.95	0.08	49,49,49,49	0
57	MG	1A	3387	1/1	0.95	0.09	33,33,33,33	0
57	MG	1A	3493	1/1	0.95	0.10	45,45,45,45	0
57	MG	1A	3629	1/1	0.95	0.08	15,15,15,15	0
57	MG	2T	202	1/1	0.95	0.13	63,63,63,63	0
57	MG	2T	203	1/1	0.95	0.12	39,39,39,39	0
57	MG	1A	3390	1/1	0.95	0.11	42,42,42,42	0
57	MG	1A	3978	1/1	0.95	0.06	46,46,46,46	0
57	MG	1A	3112	1/1	0.95	0.06	41,41,41,41	0
57	MG	1e	202	1/1	0.95	0.14	48,48,48,48	0
57	MG	23	101	1/1	0.95	0.20	62,62,62,62	0
57	MG	1A	3795	1/1	0.95	0.10	38,38,38,38	0
57	MG	23	103	1/1	0.95	0.19	53,53,53,53	0
57	MG	1f	202	1/1	0.95	0.16	48,48,48,48	0
57	MG	1A	3984	1/1	0.95	0.06	15,15,15,15	0
57	MG	1A	3167	1/1	0.95	0.28	39,39,39,39	0
57	MG	2A	3565	1/1	0.95	0.11	50,50,50,50	0
57	MG	1A	3797	1/1	0.95	0.07	38,38,38,38	0
57	MG	28	102	1/1	0.95	0.10	42,42,42,42	0
57	MG	1A	3993	1/1	0.95	0.05	31,31,31,31	0
57	MG	1A	3076	1/1	0.95	0.07	33,33,33,33	0
57	MG	2A	3270	1/1	0.95	0.15	48,48,48,48	0
57	MG	1A	3997	1/1	0.95	0.07	39,39,39,39	0
57	MG	1A	3178	1/1	0.95	0.26	34,34,34,34	0
57	MG	1A	3999	1/1	0.95	0.07	30,30,30,30	0
57	MG	17	101	1/1	0.95	0.07	35,35,35,35	0
57	MG	1A	3057	1/1	0.95	0.10	42,42,42,42	0
57	MG	17	105	1/1	0.95	0.07	41,41,41,41	0
57	MG	1A	3503	1/1	0.95	0.12	56,56,56,56	0
57	MG	1x	103	1/1	0.95	0.19	55,55,55,55	0
57	MG	1A	3805	1/1	0.95	0.05	20,20,20,20	0
57	MG	2A	3589	1/1	0.95	0.13	55,55,55,55	0
57	MG	2A	3590	1/1	0.95	0.20	52,52,52,52	0
57	MG	1A	4003	1/1	0.95	0.07	54,54,54,54	0
57	MG	1A	3504	1/1	0.95	0.08	43,43,43,43	0
57	MG	1a	1602	1/1	0.95	0.16	59,59,59,59	0
57	MG	1A	3249	1/1	0.95	0.08	43,43,43,43	0
57	MG	2A	3596	1/1	0.95	0.11	37,37,37,37	0
57	MG	2A	3288	1/1	0.95	0.12	52,52,52,52	0
57	MG	2a	1621	1/1	0.95	0.07	56,56,56,56	0
57	MG	2A	3599	1/1	0.95	0.16	56,56,56,56	0
57	MG	1A	3812	1/1	0.95	0.08	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3290	1/1	0.95	0.17	50,50,50,50	0
57	MG	1A	4010	1/1	0.95	0.09	57,57,57,57	0
57	MG	1A	3252	1/1	0.95	0.20	43,43,43,43	0
57	MG	1A	3117	1/1	0.95	0.11	35,35,35,35	0
57	MG	1A	4013	1/1	0.95	0.07	45,45,45,45	0
57	MG	2A	3296	1/1	0.95	0.09	55,55,55,55	0
57	MG	2A	3003	1/1	0.95	0.26	48,48,48,48	0
57	MG	2A	3612	1/1	0.95	0.20	53,53,53,53	0
57	MG	1A	3646	1/1	0.95	0.10	36,36,36,36	0
57	MG	2A	3615	1/1	0.95	0.11	37,37,37,37	0
57	MG	1A	3048	1/1	0.95	0.12	24,24,24,24	0
57	MG	2A	3617	1/1	0.95	0.13	37,37,37,37	0
57	MG	1A	3648	1/1	0.95	0.08	24,24,24,24	0
57	MG	1A	3510	1/1	0.95	0.12	32,32,32,32	0
57	MG	2A	3012	1/1	0.95	0.06	36,36,36,36	0
57	MG	1A	3403	1/1	0.95	0.08	41,41,41,41	0
57	MG	2A	3020	1/1	0.95	0.10	59,59,59,59	0
57	MG	2A	3023	1/1	0.95	0.04	38,38,38,38	0
57	MG	1A	3085	1/1	0.95	0.13	29,29,29,29	0
57	MG	2a	1646	1/1	0.95	0.08	59,59,59,59	0
57	MG	2A	3627	1/1	0.95	0.06	52,52,52,52	0
57	MG	2A	3308	1/1	0.95	0.09	63,63,63,63	0
57	MG	1A	4025	1/1	0.95	0.06	22,22,22,22	0
57	MG	2A	3631	1/1	0.95	0.18	58,58,58,58	0
57	MG	2A	3026	1/1	0.95	0.12	42,42,42,42	0
57	MG	1A	3518	1/1	0.95	0.15	46,46,46,46	0
57	MG	2a	1653	1/1	0.95	0.06	65,65,65,65	0
57	MG	1A	3406	1/1	0.95	0.07	60,60,60,60	0
57	MG	1A	3256	1/1	0.95	0.18	42,42,42,42	0
57	MG	1A	4029	1/1	0.95	0.13	31,31,31,31	0
57	MG	1A	4030	1/1	0.95	0.09	29,29,29,29	0
57	MG	2a	1660	1/1	0.95	0.19	49,49,49,49	0
57	MG	2A	3638	1/1	0.95	0.09	64,64,64,64	0
57	MG	2A	3639	1/1	0.95	0.13	49,49,49,49	0
57	MG	1A	3086	1/1	0.95	0.09	46,46,46,46	0
57	MG	1a	1631	1/1	0.95	0.21	46,46,46,46	0
57	MG	1A	4034	1/1	0.95	0.06	43,43,43,43	0
57	MG	1A	4035	1/1	0.95	0.07	38,38,38,38	0
57	MG	2A	3324	1/1	0.95	0.23	60,60,60,60	0
57	MG	1a	1635	1/1	0.95	0.28	60,60,60,60	0
57	MG	2A	3040	1/1	0.95	0.18	57,57,57,57	0
57	MG	1A	3325	1/1	0.95	0.26	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3411	1/1	0.95	0.08	37,37,37,37	0
57	MG	1A	3669	1/1	0.95	0.06	26,26,26,26	0
57	MG	1A	3413	1/1	0.95	0.10	54,54,54,54	0
57	MG	2a	1676	1/1	0.95	0.14	50,50,50,50	0
57	MG	1A	3039	1/1	0.95	0.07	28,28,28,28	0
57	MG	2A	3048	1/1	0.95	0.17	51,51,51,51	0
57	MG	1A	4043	1/1	0.95	0.12	26,26,26,26	0
57	MG	1A	3327	1/1	0.95	0.16	39,39,39,39	0
57	MG	1A	3187	1/1	0.95	0.19	37,37,37,37	0
57	MG	1A	3841	1/1	0.95	0.11	26,26,26,26	0
57	MG	1A	3092	1/1	0.95	0.12	54,54,54,54	0
57	MG	2A	3660	1/1	0.95	0.07	41,41,41,41	0
57	MG	2A	3058	1/1	0.95	0.15	53,53,53,53	0
57	MG	1A	3531	1/1	0.95	0.09	57,57,57,57	0
57	MG	2A	3062	1/1	0.95	0.10	55,55,55,55	0
57	MG	2A	3664	1/1	0.95	0.16	41,41,41,41	0
57	MG	1a	1655	1/1	0.95	0.14	47,47,47,47	0
57	MG	1A	3263	1/1	0.95	0.10	44,44,44,44	0
57	MG	2A	3667	1/1	0.95	0.12	57,57,57,57	0
57	MG	1A	3684	1/1	0.95	0.08	33,33,33,33	0
57	MG	2A	3067	1/1	0.95	0.05	28,28,28,28	0
57	MG	1a	1659	1/1	0.95	0.08	41,41,41,41	0
57	MG	1A	3536	1/1	0.95	0.15	47,47,47,47	0
57	MG	1A	4058	1/1	0.95	0.14	52,52,52,52	0
57	MG	2A	3675	1/1	0.95	0.08	58,58,58,58	0
57	MG	1A	3851	1/1	0.95	0.06	24,24,24,24	0
57	MG	1A	3130	1/1	0.95	0.11	38,38,38,38	0
57	MG	1A	3540	1/1	0.95	0.25	44,44,44,44	0
57	MG	2a	1707	1/1	0.95	0.14	48,48,48,48	0
57	MG	1A	3855	1/1	0.95	0.05	35,35,35,35	0
57	MG	2a	1709	1/1	0.95	0.29	58,58,58,58	0
57	MG	2A	3084	1/1	0.95	0.08	38,38,38,38	0
57	MG	2A	3362	1/1	0.95	0.12	58,58,58,58	0
57	MG	1A	3690	1/1	0.95	0.07	18,18,18,18	0
57	MG	2A	3684	1/1	0.95	0.07	27,27,27,27	0
57	MG	1a	1669	1/1	0.95	0.19	61,61,61,61	0
57	MG	1A	3692	1/1	0.95	0.12	47,47,47,47	0
57	MG	2A	3366	1/1	0.95	0.09	52,52,52,52	0
57	MG	1A	3693	1/1	0.95	0.09	31,31,31,31	0
57	MG	1A	3425	1/1	0.95	0.17	38,38,38,38	0
57	MG	1A	3133	1/1	0.95	0.10	29,29,29,29	0
57	MG	2A	3095	1/1	0.95	0.06	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3201	1/1	0.95	0.11	24,24,24,24	0
57	MG	1A	4071	1/1	0.95	0.10	53,53,53,53	0
57	MG	2A	3373	1/1	0.95	0.12	59,59,59,59	0
57	MG	1A	3050	1/1	0.95	0.06	44,44,44,44	0
57	MG	2A	3699	1/1	0.95	0.09	42,42,42,42	0
57	MG	2a	1726	1/1	0.95	0.22	33,33,33,33	0
57	MG	1a	1679	1/1	0.95	0.25	50,50,50,50	0
57	MG	1A	3547	1/1	0.95	0.07	46,46,46,46	0
57	MG	1A	3434	1/1	0.95	0.09	36,36,36,36	0
57	MG	1A	3044	1/1	0.95	0.05	28,28,28,28	0
57	MG	1A	3876	1/1	0.95	0.06	22,22,22,22	0
57	MG	2a	1735	1/1	0.95	0.07	51,51,51,51	0
57	MG	2A	3380	1/1	0.95	0.19	47,47,47,47	0
57	MG	1A	3703	1/1	0.95	0.06	13,13,13,13	0
57	MG	1a	1686	1/1	0.95	0.15	35,35,35,35	0
57	MG	2A	3711	1/1	0.95	0.10	53,53,53,53	0
57	MG	1A	3276	1/1	0.95	0.07	47,47,47,47	0
57	MG	1B	208	1/1	0.95	0.09	43,43,43,43	0
57	MG	1A	3206	1/1	0.95	0.09	61,61,61,61	0
57	MG	1A	3706	1/1	0.95	0.12	52,52,52,52	0
57	MG	1A	3142	1/1	0.95	0.15	53,53,53,53	0
57	MG	1A	3442	1/1	0.95	0.16	36,36,36,36	0
57	MG	1A	3052	1/1	0.95	0.07	38,38,38,38	0
57	MG	1A	3888	1/1	0.95	0.11	53,53,53,53	0
57	MG	2A	3120	1/1	0.95	0.06	65,65,65,65	0
57	MG	1A	3213	1/1	0.95	0.13	37,37,37,37	0
57	MG	2A	3122	1/1	0.95	0.15	62,62,62,62	0
57	MG	1A	3891	1/1	0.95	0.07	47,47,47,47	0
57	MG	1B	222	1/1	0.95	0.14	53,53,53,53	0
57	MG	2A	3126	1/1	0.95	0.11	58,58,58,58	0
57	MG	2A	3129	1/1	0.95	0.18	45,45,45,45	0
57	MG	2A	3130	1/1	0.95	0.19	44,44,44,44	0
57	MG	1B	223	1/1	0.95	0.10	53,53,53,53	0
57	MG	1A	3569	1/1	0.95	0.06	26,26,26,26	0
57	MG	2A	3139	1/1	0.95	0.24	51,51,51,51	0
57	MG	1A	3144	1/1	0.95	0.28	35,35,35,35	0
57	MG	2a	1768	1/1	0.95	0.10	60,60,60,60	0
57	MG	2a	1769	1/1	0.95	0.15	54,54,54,54	0
57	MG	1A	3718	1/1	0.95	0.07	49,49,49,49	0
57	MG	1A	3350	1/1	0.95	0.09	53,53,53,53	0
57	MG	1A	3013	1/1	0.95	0.08	25,25,25,25	0
57	MG	1a	1713	1/1	0.95	0.14	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3451	1/1	0.95	0.09	59,59,59,59	0
57	MG	1A	3155	1/1	0.95	0.24	34,34,34,34	0
57	MG	1A	3291	1/1	0.95	0.06	31,31,31,31	0
57	MG	2A	3416	1/1	0.95	0.11	38,38,38,38	0
57	MG	2A	3749	1/1	0.95	0.07	44,44,44,44	0
57	MG	2A	3750	1/1	0.95	0.08	49,49,49,49	0
57	MG	2A	3417	1/1	0.95	0.20	46,46,46,46	0
57	MG	2A	3753	1/1	0.95	0.06	37,37,37,37	0
57	MG	2A	3419	1/1	0.95	0.06	53,53,53,53	0
57	MG	2a	1785	1/1	0.95	0.13	66,66,66,66	0
57	MG	2a	1786	1/1	0.95	0.13	63,63,63,63	0
57	MG	1D	304	1/1	0.95	0.24	32,32,32,32	0
57	MG	1A	3221	1/1	0.95	0.13	46,46,46,46	0
57	MG	1A	3222	1/1	0.95	0.09	46,46,46,46	0
57	MG	1A	3157	1/1	0.95	0.06	51,51,51,51	0
57	MG	1A	3366	1/1	0.95	0.11	38,38,38,38	0
57	MG	2A	3761	1/1	0.95	0.06	36,36,36,36	0
57	MG	2a	1793	1/1	0.95	0.17	55,55,55,55	0
57	MG	1A	3224	1/1	0.95	0.09	19,19,19,19	0
57	MG	1E	310	1/1	0.95	0.17	40,40,40,40	0
57	MG	1a	1727	1/1	0.95	0.27	55,55,55,55	0
57	MG	1A	3913	1/1	0.95	0.06	48,48,48,48	0
57	MG	2A	3430	1/1	0.95	0.22	40,40,40,40	0
57	MG	2A	3433	1/1	0.95	0.10	54,54,54,54	0
57	MG	2A	3434	1/1	0.95	0.09	42,42,42,42	0
57	MG	1A	3465	1/1	0.95	0.07	47,47,47,47	0
57	MG	1A	3735	1/1	0.95	0.11	54,54,54,54	0
57	MG	1F	308	1/1	0.95	0.07	45,45,45,45	0
57	MG	2A	3440	1/1	0.95	0.11	48,48,48,48	0
57	MG	1A	3466	1/1	0.95	0.17	37,37,37,37	0
57	MG	2A	3444	1/1	0.95	0.14	34,34,34,34	0
57	MG	1a	1733	1/1	0.95	0.26	48,48,48,48	0
57	MG	1a	1734	1/1	0.95	0.22	53,53,53,53	0
57	MG	2A	3782	1/1	0.95	0.10	49,49,49,49	0
57	MG	2e	201	1/1	0.95	0.06	59,59,59,59	0
57	MG	1A	3737	1/1	0.95	0.11	34,34,34,34	0
57	MG	2A	3175	1/1	0.95	0.09	52,52,52,52	0
57	MG	1A	3369	1/1	0.95	0.12	19,19,19,19	0
57	MG	1G	202	1/1	0.95	0.11	55,55,55,55	0
57	MG	1A	3229	1/1	0.95	0.06	40,40,40,40	0
57	MG	1a	1740	1/1	0.95	0.17	44,44,44,44	0
57	MG	1a	1741	1/1	0.95	0.23	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3183	1/1	0.95	0.09	61,61,61,61	0
57	MG	1A	3590	1/1	0.95	0.07	26,26,26,26	0
57	MG	2A	3799	1/1	0.95	0.10	55,55,55,55	0
57	MG	2A	3800	1/1	0.95	0.14	38,38,38,38	0
57	MG	2A	3461	1/1	0.95	0.13	47,47,47,47	0
57	MG	1G	205	1/1	0.95	0.10	54,54,54,54	0
57	MG	1A	3108	1/1	0.95	0.06	40,40,40,40	0
57	MG	1a	1747	1/1	0.95	0.05	27,27,27,27	0
57	MG	2v	104	1/1	0.95	0.14	51,51,51,51	0
57	MG	1A	3595	1/1	0.95	0.07	22,22,22,22	0
57	MG	1A	3596	1/1	0.95	0.10	52,52,52,52	0
57	MG	1A	3372	1/1	0.95	0.10	30,30,30,30	0
57	MG	1a	1753	1/1	0.95	0.12	45,45,45,45	0
57	MG	2A	3472	1/1	0.95	0.27	48,48,48,48	0
57	MG	1A	3750	1/1	0.95	0.07	35,35,35,35	0
57	MG	2x	103	1/1	0.95	0.13	65,65,65,65	0
57	MG	1A	3234	1/1	0.95	0.12	28,28,28,28	0
57	MG	1A	3601	1/1	0.95	0.08	41,41,41,41	0
57	MG	2x	106	1/1	0.95	0.14	54,54,54,54	0
57	MG	2A	3818	1/1	0.95	0.08	33,33,33,33	0
57	MG	2A	3819	1/1	0.95	0.09	48,48,48,48	0
57	MG	2A	3477	1/1	0.95	0.23	39,39,39,39	0
57	MG	2A	3822	1/1	0.95	0.08	45,45,45,45	0
57	MG	2A	3824	1/1	0.95	0.07	40,40,40,40	0
57	MG	2A	3198	1/1	0.95	0.10	59,59,59,59	0
60	ZN	24	501	1/1	0.95	0.14	124,124,124,124	0
57	MG	1A	3591	1/1	0.96	0.07	29,29,29,29	0
57	MG	1A	3713	1/1	0.96	0.09	56,56,56,56	0
57	MG	2A	3230	1/1	0.96	0.06	57,57,57,57	0
57	MG	1A	3852	1/1	0.96	0.08	40,40,40,40	0
57	MG	2A	3520	1/1	0.96	0.08	42,42,42,42	0
57	MG	2A	3521	1/1	0.96	0.14	48,48,48,48	0
57	MG	1A	3592	1/1	0.96	0.07	40,40,40,40	0
57	MG	1A	3218	1/1	0.96	0.15	39,39,39,39	0
57	MG	1A	3088	1/1	0.96	0.08	47,47,47,47	0
57	MG	1a	1812	1/1	0.96	0.14	51,51,51,51	0
57	MG	1a	1813	1/1	0.96	0.28	52,52,52,52	0
57	MG	1A	3114	1/1	0.96	0.18	37,37,37,37	0
57	MG	2A	3241	1/1	0.96	0.18	54,54,54,54	0
57	MG	1A	4032	1/1	0.96	0.04	40,40,40,40	0
57	MG	2A	3535	1/1	0.96	0.10	35,35,35,35	0
57	MG	1A	3857	1/1	0.96	0.18	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1d	301	1/1	0.96	0.25	59,59,59,59	0
57	MG	1A	3858	1/1	0.96	0.17	30,30,30,30	0
57	MG	18	104	1/1	0.96	0.16	36,36,36,36	0
57	MG	1A	3278	1/1	0.96	0.12	25,25,25,25	0
57	MG	18	106	1/1	0.96	0.05	38,38,38,38	0
57	MG	18	107	1/1	0.96	0.12	38,38,38,38	0
57	MG	2E	305	1/1	0.96	0.07	29,29,29,29	0
57	MG	1A	3720	1/1	0.96	0.05	18,18,18,18	0
57	MG	2A	3544	1/1	0.96	0.11	54,54,54,54	0
57	MG	1l	202	1/1	0.96	0.11	57,57,57,57	0
57	MG	1m	3001	1/1	0.96	0.09	57,57,57,57	0
57	MG	1A	3598	1/1	0.96	0.07	42,42,42,42	0
57	MG	1A	3279	1/1	0.96	0.10	36,36,36,36	0
57	MG	1A	3069	1/1	0.96	0.11	28,28,28,28	0
57	MG	2A	3553	1/1	0.96	0.07	69,69,69,69	0
57	MG	1A	3724	1/1	0.96	0.06	47,47,47,47	0
57	MG	1A	3868	1/1	0.96	0.05	27,27,27,27	0
57	MG	1a	1608	1/1	0.96	0.23	42,42,42,42	0
57	MG	1A	3870	1/1	0.96	0.10	19,19,19,19	0
57	MG	1A	3603	1/1	0.96	0.04	31,31,31,31	0
57	MG	2Q	201	1/1	0.96	0.10	61,61,61,61	0
57	MG	1A	4050	1/1	0.96	0.09	14,14,14,14	0
57	MG	1a	1612	1/1	0.96	0.07	62,62,62,62	0
57	MG	1A	3043	1/1	0.96	0.10	30,30,30,30	0
57	MG	1a	1615	1/1	0.96	0.11	46,46,46,46	0
57	MG	1A	3605	1/1	0.96	0.12	31,31,31,31	0
57	MG	1a	1618	1/1	0.96	0.07	47,47,47,47	0
57	MG	2A	3570	1/1	0.96	0.09	52,52,52,52	0
57	MG	2V	203	1/1	0.96	0.21	46,46,46,46	0
57	MG	1x	108	1/1	0.96	0.15	56,56,56,56	0
57	MG	1A	3412	1/1	0.96	0.06	36,36,36,36	0
57	MG	1A	3729	1/1	0.96	0.10	49,49,49,49	0
57	MG	2A	3576	1/1	0.96	0.13	52,52,52,52	0
57	MG	1A	3878	1/1	0.96	0.09	21,21,21,21	0
57	MG	1A	3093	1/1	0.96	0.12	29,29,29,29	0
57	MG	23	104	1/1	0.96	0.14	42,42,42,42	0
57	MG	1A	4059	1/1	0.96	0.07	24,24,24,24	0
57	MG	2A	3281	1/1	0.96	0.17	58,58,58,58	0
57	MG	27	101	1/1	0.96	0.17	55,55,55,55	0
57	MG	1A	3609	1/1	0.96	0.07	24,24,24,24	0
57	MG	1A	3882	1/1	0.96	0.05	30,30,30,30	0
57	MG	2A	3001	1/1	0.96	0.25	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3002	1/1	0.96	0.26	52,52,52,52	0
57	MG	1A	3501	1/1	0.96	0.13	43,43,43,43	0
57	MG	1A	3096	1/1	0.96	0.06	43,43,43,43	0
57	MG	2a	1601	1/1	0.96	0.10	52,52,52,52	0
57	MG	1A	3122	1/1	0.96	0.12	28,28,28,28	0
57	MG	2A	3591	1/1	0.96	0.08	46,46,46,46	0
57	MG	1A	4065	1/1	0.96	0.11	47,47,47,47	0
57	MG	1A	3417	1/1	0.96	0.12	43,43,43,43	0
57	MG	2A	3011	1/1	0.96	0.11	47,47,47,47	0
57	MG	1A	3123	1/1	0.96	0.18	36,36,36,36	0
57	MG	2A	3015	1/1	0.96	0.07	35,35,35,35	0
57	MG	1A	3290	1/1	0.96	0.09	26,26,26,26	0
57	MG	1A	3025	1/1	0.96	0.07	42,42,42,42	0
57	MG	2A	3601	1/1	0.96	0.14	47,47,47,47	0
57	MG	2A	3021	1/1	0.96	0.04	25,25,25,25	0
57	MG	1A	3046	1/1	0.96	0.04	16,16,16,16	0
57	MG	1A	3128	1/1	0.96	0.05	32,32,32,32	0
57	MG	1A	3427	1/1	0.96	0.14	33,33,33,33	0
57	MG	1a	1639	1/1	0.96	0.19	46,46,46,46	0
57	MG	2A	3302	1/1	0.96	0.06	47,47,47,47	0
57	MG	2a	1618	1/1	0.96	0.09	63,63,63,63	0
57	MG	1A	3514	1/1	0.96	0.18	37,37,37,37	0
57	MG	1A	4075	1/1	0.96	0.19	42,42,42,42	0
57	MG	1A	3899	1/1	0.96	0.09	32,32,32,32	0
57	MG	2A	3030	1/1	0.96	0.09	37,37,37,37	0
57	MG	1A	3515	1/1	0.96	0.23	45,45,45,45	0
57	MG	1A	3901	1/1	0.96	0.07	32,32,32,32	0
57	MG	1A	3428	1/1	0.96	0.27	37,37,37,37	0
57	MG	2A	3034	1/1	0.96	0.06	39,39,39,39	0
57	MG	2A	3311	1/1	0.96	0.11	58,58,58,58	0
57	MG	1A	3351	1/1	0.96	0.08	49,49,49,49	0
57	MG	1A	3430	1/1	0.96	0.08	40,40,40,40	0
57	MG	2A	3315	1/1	0.96	0.11	41,41,41,41	0
57	MG	1a	1654	1/1	0.96	0.07	42,42,42,42	0
57	MG	1A	3239	1/1	0.96	0.06	37,37,37,37	0
57	MG	2A	3318	1/1	0.96	0.14	41,41,41,41	0
57	MG	2A	3628	1/1	0.96	0.16	41,41,41,41	0
57	MG	1B	210	1/1	0.96	0.05	37,37,37,37	0
57	MG	1A	3060	1/1	0.96	0.17	46,46,46,46	0
57	MG	1A	3101	1/1	0.96	0.20	32,32,32,32	0
57	MG	1B	214	1/1	0.96	0.07	38,38,38,38	0
57	MG	1A	3636	1/1	0.96	0.05	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3045	1/1	0.96	0.05	48,48,48,48	0
57	MG	1B	216	1/1	0.96	0.06	34,34,34,34	0
57	MG	1A	3759	1/1	0.96	0.04	51,51,51,51	0
57	MG	1a	1665	1/1	0.96	0.16	44,44,44,44	0
57	MG	2A	3329	1/1	0.96	0.20	53,53,53,53	0
57	MG	2A	3050	1/1	0.96	0.13	54,54,54,54	0
57	MG	2A	3051	1/1	0.96	0.19	48,48,48,48	0
57	MG	1B	218	1/1	0.96	0.15	49,49,49,49	0
57	MG	2A	3053	1/1	0.96	0.07	40,40,40,40	0
57	MG	1A	3359	1/1	0.96	0.11	50,50,50,50	0
57	MG	1A	3763	1/1	0.96	0.06	61,61,61,61	0
57	MG	1A	3184	1/1	0.96	0.09	36,36,36,36	0
57	MG	1A	3299	1/1	0.96	0.15	40,40,40,40	0
57	MG	1A	3924	1/1	0.96	0.09	46,46,46,46	0
57	MG	1A	3768	1/1	0.96	0.06	45,45,45,45	0
57	MG	1A	3131	1/1	0.96	0.10	32,32,32,32	0
57	MG	2A	3342	1/1	0.96	0.10	53,53,53,53	0
57	MG	1A	3363	1/1	0.96	0.25	43,43,43,43	0
57	MG	2a	1664	1/1	0.96	0.10	48,48,48,48	0
57	MG	1A	3030	1/1	0.96	0.15	25,25,25,25	0
57	MG	2A	3345	1/1	0.96	0.20	59,59,59,59	0
57	MG	1A	3302	1/1	0.96	0.04	37,37,37,37	0
57	MG	2A	3347	1/1	0.96	0.25	48,48,48,48	0
57	MG	1A	3532	1/1	0.96	0.11	51,51,51,51	0
57	MG	1A	3134	1/1	0.96	0.06	41,41,41,41	0
57	MG	1A	3447	1/1	0.96	0.24	39,39,39,39	0
57	MG	2A	3351	1/1	0.96	0.12	59,59,59,59	0
57	MG	2A	3075	1/1	0.96	0.04	36,36,36,36	0
57	MG	1B	235	1/1	0.96	0.11	37,37,37,37	0
57	MG	1D	303	1/1	0.96	0.12	34,34,34,34	0
57	MG	2A	3079	1/1	0.96	0.07	40,40,40,40	0
57	MG	1a	1684	1/1	0.96	0.17	41,41,41,41	0
57	MG	1A	3783	1/1	0.96	0.08	19,19,19,19	0
57	MG	1D	305	1/1	0.96	0.05	20,20,20,20	0
57	MG	2a	1680	1/1	0.96	0.14	50,50,50,50	0
57	MG	1D	306	1/1	0.96	0.06	35,35,35,35	0
57	MG	1D	310	1/1	0.96	0.06	36,36,36,36	0
57	MG	1A	3190	1/1	0.96	0.08	43,43,43,43	0
57	MG	1a	1690	1/1	0.96	0.28	44,44,44,44	0
57	MG	2A	3091	1/1	0.96	0.10	41,41,41,41	0
57	MG	1D	312	1/1	0.96	0.09	39,39,39,39	0
57	MG	1a	1692	1/1	0.96	0.19	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3785	1/1	0.96	0.07	35,35,35,35	0
57	MG	1A	3193	1/1	0.96	0.18	30,30,30,30	0
57	MG	1E	306	1/1	0.96	0.05	28,28,28,28	0
57	MG	1a	1697	1/1	0.96	0.17	47,47,47,47	0
57	MG	1A	3104	1/1	0.96	0.05	27,27,27,27	0
57	MG	1a	1700	1/1	0.96	0.11	49,49,49,49	0
57	MG	1A	3196	1/1	0.96	0.06	31,31,31,31	0
57	MG	1A	3790	1/1	0.96	0.05	21,21,21,21	0
57	MG	1E	311	1/1	0.96	0.11	51,51,51,51	0
57	MG	2A	3688	1/1	0.96	0.13	40,40,40,40	0
57	MG	2a	1702	1/1	0.96	0.14	52,52,52,52	0
57	MG	1A	3947	1/1	0.96	0.07	43,43,43,43	0
57	MG	1A	3107	1/1	0.96	0.21	35,35,35,35	0
57	MG	1F	305	1/1	0.96	0.04	42,42,42,42	0
57	MG	1A	3141	1/1	0.96	0.13	46,46,46,46	0
57	MG	1A	3455	1/1	0.96	0.07	40,40,40,40	0
57	MG	2A	3111	1/1	0.96	0.15	44,44,44,44	0
57	MG	1A	3660	1/1	0.96	0.08	20,20,20,20	0
57	MG	1A	3662	1/1	0.96	0.06	18,18,18,18	0
57	MG	2A	3385	1/1	0.96	0.19	55,55,55,55	0
57	MG	2A	3114	1/1	0.96	0.08	31,31,31,31	0
57	MG	1A	3313	1/1	0.96	0.17	46,46,46,46	0
57	MG	2A	3388	1/1	0.96	0.17	44,44,44,44	0
57	MG	1a	1715	1/1	0.96	0.07	54,54,54,54	0
57	MG	1a	1716	1/1	0.96	0.10	47,47,47,47	0
57	MG	1A	3955	1/1	0.96	0.08	48,48,48,48	0
57	MG	1A	3380	1/1	0.96	0.34	41,41,41,41	0
57	MG	1A	3667	1/1	0.96	0.06	43,43,43,43	0
57	MG	2A	3395	1/1	0.96	0.28	53,53,53,53	0
57	MG	2A	3396	1/1	0.96	0.10	31,31,31,31	0
57	MG	2A	3123	1/1	0.96	0.05	45,45,45,45	0
57	MG	1A	3555	1/1	0.96	0.32	34,34,34,34	0
57	MG	1A	3801	1/1	0.96	0.05	27,27,27,27	0
57	MG	1N	201	1/1	0.96	0.12	45,45,45,45	0
57	MG	1A	3459	1/1	0.96	0.10	42,42,42,42	0
57	MG	1A	3962	1/1	0.96	0.04	35,35,35,35	0
57	MG	2A	3132	1/1	0.96	0.11	35,35,35,35	0
57	MG	2A	3721	1/1	0.96	0.09	56,56,56,56	0
57	MG	1A	3803	1/1	0.96	0.19	29,29,29,29	0
57	MG	2A	3135	1/1	0.96	0.12	49,49,49,49	0
57	MG	1A	3964	1/1	0.96	0.09	67,67,67,67	0
57	MG	2A	3138	1/1	0.96	0.15	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3804	1/1	0.96	0.07	40,40,40,40	0
57	MG	2a	1738	1/1	0.96	0.33	42,42,42,42	0
57	MG	1A	3558	1/1	0.96	0.17	41,41,41,41	0
57	MG	2A	3141	1/1	0.96	0.17	35,35,35,35	0
57	MG	1A	3807	1/1	0.96	0.06	21,21,21,21	0
57	MG	1P	203	1/1	0.96	0.13	30,30,30,30	0
57	MG	1A	3461	1/1	0.96	0.30	38,38,38,38	0
57	MG	1A	3809	1/1	0.96	0.10	34,34,34,34	0
57	MG	2A	3148	1/1	0.96	0.14	58,58,58,58	0
57	MG	2A	3737	1/1	0.96	0.08	51,51,51,51	0
57	MG	1A	3314	1/1	0.96	0.07	39,39,39,39	0
57	MG	2A	3739	1/1	0.96	0.08	44,44,44,44	0
57	MG	1Q	205	1/1	0.96	0.23	41,41,41,41	0
57	MG	2a	1750	1/1	0.96	0.06	48,48,48,48	0
57	MG	1A	3811	1/1	0.96	0.05	29,29,29,29	0
57	MG	1R	201	1/1	0.96	0.14	31,31,31,31	0
57	MG	1R	202	1/1	0.96	0.06	40,40,40,40	0
57	MG	1A	3016	1/1	0.96	0.15	52,52,52,52	0
57	MG	1A	3257	1/1	0.96	0.16	46,46,46,46	0
57	MG	2a	1756	1/1	0.96	0.14	62,62,62,62	0
57	MG	2a	1758	1/1	0.96	0.18	60,60,60,60	0
57	MG	1A	3816	1/1	0.96	0.10	48,48,48,48	0
57	MG	1A	3681	1/1	0.96	0.08	62,62,62,62	0
57	MG	1A	3384	1/1	0.96	0.12	29,29,29,29	0
57	MG	2A	3161	1/1	0.96	0.11	32,32,32,32	0
57	MG	1A	3982	1/1	0.96	0.10	48,48,48,48	0
57	MG	2A	3432	1/1	0.96	0.17	41,41,41,41	0
57	MG	1a	1748	1/1	0.96	0.08	33,33,33,33	0
57	MG	1A	3820	1/1	0.96	0.05	33,33,33,33	0
57	MG	1A	3109	1/1	0.96	0.18	30,30,30,30	0
57	MG	1A	3685	1/1	0.96	0.06	21,21,21,21	0
57	MG	2A	3438	1/1	0.96	0.12	50,50,50,50	0
57	MG	1A	3990	1/1	0.96	0.07	45,45,45,45	0
57	MG	1U	201	1/1	0.96	0.12	35,35,35,35	0
57	MG	2A	3441	1/1	0.96	0.12	52,52,52,52	0
57	MG	1A	3469	1/1	0.96	0.13	55,55,55,55	0
57	MG	1U	204	1/1	0.96	0.16	35,35,35,35	0
57	MG	1A	3992	1/1	0.96	0.07	25,25,25,25	0
57	MG	2a	1779	1/1	0.96	0.07	57,57,57,57	0
57	MG	1A	3205	1/1	0.96	0.06	43,43,43,43	0
57	MG	1U	210	1/1	0.96	0.21	35,35,35,35	0
57	MG	2A	3178	1/1	0.96	0.13	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3771	1/1	0.96	0.08	64,64,64,64	0
57	MG	2a	1784	1/1	0.96	0.10	52,52,52,52	0
57	MG	2A	3451	1/1	0.96	0.17	54,54,54,54	0
57	MG	1A	3471	1/1	0.96	0.10	39,39,39,39	0
57	MG	1V	205	1/1	0.96	0.13	55,55,55,55	0
57	MG	2A	3455	1/1	0.96	0.15	48,48,48,48	0
57	MG	1A	3575	1/1	0.96	0.06	36,36,36,36	0
57	MG	1W	201	1/1	0.96	0.13	34,34,34,34	0
57	MG	1A	3065	1/1	0.96	0.05	27,27,27,27	0
57	MG	2A	3781	1/1	0.96	0.07	49,49,49,49	0
57	MG	1A	3829	1/1	0.96	0.08	56,56,56,56	0
57	MG	2A	3186	1/1	0.96	0.06	48,48,48,48	0
57	MG	1W	205	1/1	0.96	0.21	32,32,32,32	0
57	MG	2a	1796	1/1	0.96	0.12	57,57,57,57	0
57	MG	1W	206	1/1	0.96	0.10	36,36,36,36	0
57	MG	1a	1774	1/1	0.96	0.09	43,43,43,43	0
57	MG	1A	3577	1/1	0.96	0.15	37,37,37,37	0
57	MG	1A	3208	1/1	0.96	0.13	49,49,49,49	0
57	MG	2A	3791	1/1	0.96	0.14	47,47,47,47	0
57	MG	1X	104	1/1	0.96	0.11	43,43,43,43	0
57	MG	1X	105	1/1	0.96	0.12	36,36,36,36	0
57	MG	1A	3262	1/1	0.96	0.11	28,28,28,28	0
57	MG	2A	3470	1/1	0.96	0.31	54,54,54,54	0
57	MG	2A	3471	1/1	0.96	0.19	35,35,35,35	0
57	MG	1a	1780	1/1	0.96	0.13	58,58,58,58	0
57	MG	1A	3833	1/1	0.96	0.10	42,42,42,42	0
57	MG	1A	3476	1/1	0.96	0.06	59,59,59,59	0
57	MG	1A	4005	1/1	0.96	0.06	44,44,44,44	0
57	MG	2A	3476	1/1	0.96	0.19	49,49,49,49	0
57	MG	1a	1784	1/1	0.96	0.09	40,40,40,40	0
57	MG	2f	201	1/1	0.96	0.06	44,44,44,44	0
57	MG	2f	202	1/1	0.96	0.08	63,63,63,63	0
57	MG	1A	3209	1/1	0.96	0.27	42,42,42,42	0
57	MG	1A	3147	1/1	0.96	0.13	42,42,42,42	0
57	MG	1A	3087	1/1	0.96	0.08	30,30,30,30	0
57	MG	2A	3481	1/1	0.96	0.35	59,59,59,59	0
57	MG	2A	3815	1/1	0.96	0.06	49,49,49,49	0
57	MG	2l	202	1/1	0.96	0.09	55,55,55,55	0
57	MG	1A	3481	1/1	0.96	0.16	36,36,36,36	0
57	MG	1A	3271	1/1	0.96	0.07	36,36,36,36	0
57	MG	1a	1791	1/1	0.96	0.06	41,41,41,41	0
57	MG	1a	1792	1/1	0.96	0.07	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3488	1/1	0.96	0.07	29,29,29,29	0
57	MG	1a	1793	1/1	0.96	0.05	52,52,52,52	0
57	MG	2A	3823	1/1	0.96	0.15	56,56,56,56	0
57	MG	1A	3151	1/1	0.96	0.09	37,37,37,37	0
57	MG	1A	3842	1/1	0.96	0.13	40,40,40,40	0
57	MG	2A	3826	1/1	0.96	0.14	47,47,47,47	0
57	MG	2A	3827	1/1	0.96	0.10	45,45,45,45	0
57	MG	1A	3154	1/1	0.96	0.10	39,39,39,39	0
57	MG	2A	3215	1/1	0.96	0.13	51,51,51,51	0
57	MG	1A	3401	1/1	0.96	0.10	46,46,46,46	0
57	MG	2A	3497	1/1	0.96	0.08	18,18,18,18	0
57	MG	2A	3218	1/1	0.96	0.16	33,33,33,33	0
57	MG	2A	3500	1/1	0.96	0.07	36,36,36,36	0
57	MG	2A	3501	1/1	0.96	0.17	53,53,53,53	0
57	MG	1A	3846	1/1	0.96	0.10	33,33,33,33	0
57	MG	2A	3840	1/1	0.96	0.17	41,41,41,41	0
57	MG	1a	1800	1/1	0.96	0.26	54,54,54,54	0
57	MG	2A	3221	1/1	0.96	0.16	33,33,33,33	0
57	MG	1A	3708	1/1	0.96	0.06	32,32,32,32	0
57	MG	1A	3328	1/1	0.96	0.08	42,42,42,42	0
57	MG	1a	1804	1/1	0.96	0.05	46,46,46,46	0
59	TEL	1A	4076	58/58	0.96	0.08	13,24,29,32	0
57	MG	1a	1805	1/1	0.96	0.18	62,62,62,62	0
57	MG	2A	3226	1/1	0.96	0.19	39,39,39,39	0
57	MG	2A	3583	1/1	0.97	0.08	47,47,47,47	0
57	MG	1A	4007	1/1	0.97	0.05	53,53,53,53	0
57	MG	1A	3418	1/1	0.97	0.07	44,44,44,44	0
57	MG	2A	3087	1/1	0.97	0.08	42,42,42,42	0
57	MG	2E	306	1/1	0.97	0.07	44,44,44,44	0
57	MG	1A	4009	1/1	0.97	0.05	41,41,41,41	0
57	MG	2A	3588	1/1	0.97	0.14	32,32,32,32	0
57	MG	1A	3037	1/1	0.97	0.13	30,30,30,30	0
57	MG	2A	3328	1/1	0.97	0.06	49,49,49,49	0
57	MG	1A	3606	1/1	0.97	0.10	29,29,29,29	0
57	MG	2A	3092	1/1	0.97	0.08	35,35,35,35	0
57	MG	1A	3165	1/1	0.97	0.11	38,38,38,38	0
57	MG	1A	3124	1/1	0.97	0.29	34,34,34,34	0
57	MG	1A	4014	1/1	0.97	0.09	35,35,35,35	0
57	MG	1A	3125	1/1	0.97	0.14	34,34,34,34	0
57	MG	2A	3597	1/1	0.97	0.10	33,33,33,33	0
57	MG	1A	3610	1/1	0.97	0.05	32,32,32,32	0
57	MG	1A	3859	1/1	0.97	0.32	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3600	1/1	0.97	0.06	42,42,42,42	0
57	MG	2A	3099	1/1	0.97	0.09	29,29,29,29	0
57	MG	2A	3602	1/1	0.97	0.07	35,35,35,35	0
57	MG	2A	3603	1/1	0.97	0.06	29,29,29,29	0
57	MG	1V	204	1/1	0.97	0.04	32,32,32,32	0
57	MG	2T	201	1/1	0.97	0.06	47,47,47,47	0
57	MG	1A	3424	1/1	0.97	0.32	37,37,37,37	0
57	MG	1a	1736	1/1	0.97	0.16	47,47,47,47	0
57	MG	2T	204	1/1	0.97	0.11	42,42,42,42	0
57	MG	1A	4022	1/1	0.97	0.05	51,51,51,51	0
57	MG	2V	202	1/1	0.97	0.21	56,56,56,56	0
57	MG	1A	3861	1/1	0.97	0.08	20,20,20,20	0
57	MG	1A	3508	1/1	0.97	0.11	39,39,39,39	0
57	MG	2X	102	1/1	0.97	0.11	43,43,43,43	0
57	MG	1A	3288	1/1	0.97	0.28	42,42,42,42	0
57	MG	1A	3615	1/1	0.97	0.09	51,51,51,51	0
57	MG	1A	3073	1/1	0.97	0.08	26,26,26,26	0
57	MG	2A	3613	1/1	0.97	0.09	33,33,33,33	0
57	MG	1A	3511	1/1	0.97	0.32	37,37,37,37	0
57	MG	1a	1745	1/1	0.97	0.10	48,48,48,48	0
57	MG	1A	3618	1/1	0.97	0.03	21,21,21,21	0
57	MG	25	3102	1/1	0.97	0.06	42,42,42,42	0
57	MG	1X	103	1/1	0.97	0.06	31,31,31,31	0
57	MG	1A	3512	1/1	0.97	0.20	36,36,36,36	0
57	MG	2A	3115	1/1	0.97	0.13	46,46,46,46	0
57	MG	2A	3620	1/1	0.97	0.10	35,35,35,35	0
57	MG	1A	3226	1/1	0.97	0.25	31,31,31,31	0
57	MG	1A	3873	1/1	0.97	0.05	44,44,44,44	0
57	MG	1A	4033	1/1	0.97	0.09	35,35,35,35	0
57	MG	2A	3624	1/1	0.97	0.09	36,36,36,36	0
57	MG	2A	3119	1/1	0.97	0.09	42,42,42,42	0
57	MG	1A	3743	1/1	0.97	0.08	56,56,56,56	0
57	MG	1A	3227	1/1	0.97	0.11	37,37,37,37	0
57	MG	2A	3361	1/1	0.97	0.06	51,51,51,51	0
57	MG	1A	3228	1/1	0.97	0.07	38,38,38,38	0
57	MG	1A	3431	1/1	0.97	0.13	33,33,33,33	0
57	MG	1a	1759	1/1	0.97	0.08	43,43,43,43	0
57	MG	1A	3624	1/1	0.97	0.06	41,41,41,41	0
57	MG	1A	3517	1/1	0.97	0.13	31,31,31,31	0
57	MG	2A	3127	1/1	0.97	0.05	40,40,40,40	0
57	MG	10	104	1/1	0.97	0.17	36,36,36,36	0
57	MG	1a	1763	1/1	0.97	0.22	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3169	1/1	0.97	0.10	14,14,14,14	0
57	MG	1A	3881	1/1	0.97	0.06	35,35,35,35	0
57	MG	1A	4045	1/1	0.97	0.05	19,19,19,19	0
57	MG	1A	3357	1/1	0.97	0.21	35,35,35,35	0
57	MG	1A	3231	1/1	0.97	0.10	57,57,57,57	0
57	MG	1A	4048	1/1	0.97	0.05	42,42,42,42	0
57	MG	1A	3171	1/1	0.97	0.15	38,38,38,38	0
57	MG	12	101	1/1	0.97	0.09	39,39,39,39	0
57	MG	1a	1773	1/1	0.97	0.07	41,41,41,41	0
57	MG	1A	3756	1/1	0.97	0.08	32,32,32,32	0
57	MG	1A	3174	1/1	0.97	0.06	30,30,30,30	0
57	MG	1A	3437	1/1	0.97	0.11	45,45,45,45	0
57	MG	15	101	1/1	0.97	0.33	34,34,34,34	0
57	MG	15	102	1/1	0.97	0.06	31,31,31,31	0
57	MG	2A	3652	1/1	0.97	0.07	52,52,52,52	0
57	MG	2a	1629	1/1	0.97	0.18	45,45,45,45	0
57	MG	1A	3235	1/1	0.97	0.11	41,41,41,41	0
57	MG	1A	3176	1/1	0.97	0.05	18,18,18,18	0
57	MG	1A	3761	1/1	0.97	0.05	23,23,23,23	0
57	MG	1A	3762	1/1	0.97	0.07	36,36,36,36	0
57	MG	1A	3098	1/1	0.97	0.05	34,34,34,34	0
57	MG	1A	3074	1/1	0.97	0.04	28,28,28,28	0
57	MG	1A	3639	1/1	0.97	0.07	35,35,35,35	0
57	MG	1A	3368	1/1	0.97	0.09	35,35,35,35	0
57	MG	18	102	1/1	0.97	0.26	44,44,44,44	0
57	MG	18	103	1/1	0.97	0.12	37,37,37,37	0
57	MG	2a	1640	1/1	0.97	0.05	46,46,46,46	0
57	MG	2A	3162	1/1	0.97	0.08	54,54,54,54	0
57	MG	1A	3770	1/1	0.97	0.07	20,20,20,20	0
57	MG	2A	3164	1/1	0.97	0.09	53,53,53,53	0
57	MG	1A	3028	1/1	0.97	0.06	33,33,33,33	0
57	MG	1A	3446	1/1	0.97	0.05	36,36,36,36	0
57	MG	1A	3774	1/1	0.97	0.05	42,42,42,42	0
57	MG	1A	3303	1/1	0.97	0.17	47,47,47,47	0
57	MG	1a	1795	1/1	0.97	0.21	43,43,43,43	0
57	MG	1A	3776	1/1	0.97	0.08	24,24,24,24	0
57	MG	2A	3672	1/1	0.97	0.10	52,52,52,52	0
57	MG	2A	3673	1/1	0.97	0.08	30,30,30,30	0
57	MG	1A	3029	1/1	0.97	0.16	26,26,26,26	0
57	MG	1A	3042	1/1	0.97	0.07	34,34,34,34	0
57	MG	1a	1604	1/1	0.97	0.08	47,47,47,47	0
57	MG	1A	3103	1/1	0.97	0.09	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3408	1/1	0.97	0.18	49,49,49,49	0
57	MG	1a	1801	1/1	0.97	0.12	51,51,51,51	0
57	MG	2A	3680	1/1	0.97	0.07	60,60,60,60	0
57	MG	1A	4072	1/1	0.97	0.09	56,56,56,56	0
57	MG	1a	1607	1/1	0.97	0.07	46,46,46,46	0
57	MG	1A	3912	1/1	0.97	0.06	38,38,38,38	0
57	MG	1A	3541	1/1	0.97	0.12	34,34,34,34	0
57	MG	1A	3781	1/1	0.97	0.06	19,19,19,19	0
57	MG	1B	201	1/1	0.97	0.10	44,44,44,44	0
57	MG	1A	3916	1/1	0.97	0.06	23,23,23,23	0
57	MG	1a	1613	1/1	0.97	0.22	46,46,46,46	0
57	MG	2A	3418	1/1	0.97	0.14	34,34,34,34	0
57	MG	1B	203	1/1	0.97	0.05	37,37,37,37	0
57	MG	2A	3420	1/1	0.97	0.16	34,34,34,34	0
57	MG	1A	3307	1/1	0.97	0.12	38,38,38,38	0
57	MG	1a	1616	1/1	0.97	0.09	42,42,42,42	0
57	MG	1A	3079	1/1	0.97	0.14	32,32,32,32	0
57	MG	1A	3080	1/1	0.97	0.19	29,29,29,29	0
57	MG	2A	3192	1/1	0.97	0.13	52,52,52,52	0
57	MG	1A	3137	1/1	0.97	0.05	36,36,36,36	0
57	MG	1a	1620	1/1	0.97	0.06	41,41,41,41	0
57	MG	2A	3701	1/1	0.97	0.13	36,36,36,36	0
57	MG	1A	3787	1/1	0.97	0.05	42,42,42,42	0
57	MG	1A	3061	1/1	0.97	0.14	41,41,41,41	0
57	MG	2A	3705	1/1	0.97	0.12	53,53,53,53	0
57	MG	1A	3189	1/1	0.97	0.15	34,34,34,34	0
57	MG	2A	3431	1/1	0.97	0.19	54,54,54,54	0
57	MG	1A	3656	1/1	0.97	0.05	19,19,19,19	0
57	MG	1A	3657	1/1	0.97	0.06	26,26,26,26	0
57	MG	2A	3201	1/1	0.97	0.06	43,43,43,43	0
57	MG	1A	3551	1/1	0.97	0.07	42,42,42,42	0
57	MG	2a	1691	1/1	0.97	0.08	52,52,52,52	0
57	MG	1A	3082	1/1	0.97	0.15	29,29,29,29	0
57	MG	2a	1693	1/1	0.97	0.07	58,58,58,58	0
57	MG	1A	3554	1/1	0.97	0.16	34,34,34,34	0
57	MG	1A	3937	1/1	0.97	0.05	47,47,47,47	0
57	MG	1A	3110	1/1	0.97	0.07	35,35,35,35	0
57	MG	1A	3462	1/1	0.97	0.09	36,36,36,36	0
57	MG	1A	3557	1/1	0.97	0.10	36,36,36,36	0
57	MG	1A	3942	1/1	0.97	0.05	33,33,33,33	0
57	MG	1A	3083	1/1	0.97	0.21	30,30,30,30	0
57	MG	1w	103	1/1	0.97	0.07	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3722	1/1	0.97	0.07	42,42,42,42	0
57	MG	1A	3559	1/1	0.97	0.41	32,32,32,32	0
57	MG	2A	3449	1/1	0.97	0.04	21,21,21,21	0
57	MG	1A	3386	1/1	0.97	0.19	31,31,31,31	0
57	MG	1A	3946	1/1	0.97	0.06	43,43,43,43	0
57	MG	2A	3727	1/1	0.97	0.09	49,49,49,49	0
57	MG	1A	3195	1/1	0.97	0.19	28,28,28,28	0
57	MG	2A	3453	1/1	0.97	0.09	41,41,41,41	0
57	MG	2A	3730	1/1	0.97	0.07	50,50,50,50	0
57	MG	2A	3217	1/1	0.97	0.12	53,53,53,53	0
57	MG	1A	3564	1/1	0.97	0.15	54,54,54,54	0
57	MG	1x	101	1/1	0.97	0.07	17,17,17,17	0
57	MG	1x	102	1/1	0.97	0.22	44,44,44,44	0
57	MG	1A	3388	1/1	0.97	0.12	42,42,42,42	0
57	MG	1A	3566	1/1	0.97	0.08	35,35,35,35	0
57	MG	1x	105	1/1	0.97	0.08	44,44,44,44	0
57	MG	1B	231	1/1	0.97	0.07	44,44,44,44	0
57	MG	2A	3462	1/1	0.97	0.06	50,50,50,50	0
57	MG	1a	1644	1/1	0.97	0.19	57,57,57,57	0
57	MG	1A	3951	1/1	0.97	0.07	36,36,36,36	0
57	MG	1a	1646	1/1	0.97	0.09	42,42,42,42	0
57	MG	2A	3744	1/1	0.97	0.07	51,51,51,51	0
57	MG	1A	3680	1/1	0.97	0.04	19,19,19,19	0
57	MG	2A	3229	1/1	0.97	0.05	49,49,49,49	0
57	MG	1B	234	1/1	0.97	0.06	42,42,42,42	0
57	MG	2a	1728	1/1	0.97	0.16	56,56,56,56	0
57	MG	2a	1729	1/1	0.97	0.36	69,69,69,69	0
57	MG	1A	3389	1/1	0.97	0.12	40,40,40,40	0
57	MG	2a	1731	1/1	0.97	0.12	39,39,39,39	0
57	MG	2A	3233	1/1	0.97	0.10	54,54,54,54	0
57	MG	1D	301	1/1	0.97	0.12	25,25,25,25	0
57	MG	1D	302	1/1	0.97	0.06	36,36,36,36	0
57	MG	2A	3752	1/1	0.97	0.08	34,34,34,34	0
57	MG	1A	3084	1/1	0.97	0.28	29,29,29,29	0
57	MG	1A	3146	1/1	0.97	0.06	30,30,30,30	0
57	MG	1a	1658	1/1	0.97	0.06	45,45,45,45	0
57	MG	2A	3756	1/1	0.97	0.05	40,40,40,40	0
57	MG	1A	3956	1/1	0.97	0.05	49,49,49,49	0
57	MG	2A	3004	1/1	0.97	0.19	57,57,57,57	0
57	MG	1A	3570	1/1	0.97	0.11	39,39,39,39	0
57	MG	1A	3062	1/1	0.97	0.14	30,30,30,30	0
57	MG	1A	3202	1/1	0.97	0.05	26,26,26,26	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3814	1/1	0.97	0.09	38,38,38,38	0
57	MG	2A	3482	1/1	0.97	0.14	52,52,52,52	0
57	MG	2A	3247	1/1	0.97	0.06	50,50,50,50	0
57	MG	2A	3010	1/1	0.97	0.06	38,38,38,38	0
57	MG	1a	1664	1/1	0.97	0.10	47,47,47,47	0
57	MG	1A	3815	1/1	0.97	0.11	55,55,55,55	0
57	MG	2A	3014	1/1	0.97	0.06	36,36,36,36	0
57	MG	2A	3489	1/1	0.97	0.09	56,56,56,56	0
57	MG	1A	3473	1/1	0.97	0.06	37,37,37,37	0
57	MG	1E	303	1/1	0.97	0.10	28,28,28,28	0
57	MG	2A	3018	1/1	0.97	0.14	47,47,47,47	0
57	MG	2A	3256	1/1	0.97	0.07	50,50,50,50	0
57	MG	1E	305	1/1	0.97	0.12	30,30,30,30	0
57	MG	2A	3776	1/1	0.97	0.15	65,65,65,65	0
57	MG	1A	3018	1/1	0.97	0.07	23,23,23,23	0
57	MG	1A	3818	1/1	0.97	0.10	51,51,51,51	0
57	MG	2A	3779	1/1	0.97	0.06	58,58,58,58	0
57	MG	2A	3498	1/1	0.97	0.11	58,58,58,58	0
57	MG	1A	3691	1/1	0.97	0.04	12,12,12,12	0
57	MG	1A	3149	1/1	0.97	0.26	31,31,31,31	0
57	MG	1A	3967	1/1	0.97	0.06	56,56,56,56	0
57	MG	1A	3150	1/1	0.97	0.06	31,31,31,31	0
57	MG	1a	1676	1/1	0.97	0.29	56,56,56,56	0
57	MG	1F	302	1/1	0.97	0.06	24,24,24,24	0
57	MG	2A	3505	1/1	0.97	0.07	48,48,48,48	0
57	MG	2A	3789	1/1	0.97	0.11	37,37,37,37	0
57	MG	2A	3506	1/1	0.97	0.07	31,31,31,31	0
57	MG	1A	3008	1/1	0.97	0.06	25,25,25,25	0
57	MG	1A	3695	1/1	0.97	0.09	30,30,30,30	0
57	MG	2A	3268	1/1	0.97	0.08	54,54,54,54	0
57	MG	2A	3794	1/1	0.97	0.04	44,44,44,44	0
57	MG	1A	3398	1/1	0.97	0.05	38,38,38,38	0
57	MG	2A	3798	1/1	0.97	0.06	37,37,37,37	0
57	MG	2A	3511	1/1	0.97	0.07	53,53,53,53	0
57	MG	1A	3972	1/1	0.97	0.08	18,18,18,18	0
57	MG	2A	3513	1/1	0.97	0.06	28,28,28,28	0
57	MG	2A	3271	1/1	0.97	0.06	37,37,37,37	0
57	MG	2A	3272	1/1	0.97	0.10	38,38,38,38	0
57	MG	1A	3399	1/1	0.97	0.11	36,36,36,36	0
57	MG	2A	3806	1/1	0.97	0.10	22,22,22,22	0
57	MG	2A	3274	1/1	0.97	0.12	47,47,47,47	0
57	MG	1A	3698	1/1	0.97	0.06	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3153	1/1	0.97	0.12	35,35,35,35	0
57	MG	1G	201	1/1	0.97	0.10	38,38,38,38	0
57	MG	2A	3811	1/1	0.97	0.06	47,47,47,47	0
57	MG	1A	3055	1/1	0.97	0.06	26,26,26,26	0
57	MG	2A	3813	1/1	0.97	0.13	21,21,21,21	0
57	MG	1A	3066	1/1	0.97	0.08	42,42,42,42	0
57	MG	1A	3979	1/1	0.97	0.10	38,38,38,38	0
57	MG	1A	3010	1/1	0.97	0.07	32,32,32,32	0
57	MG	2A	3528	1/1	0.97	0.05	41,41,41,41	0
57	MG	1A	3981	1/1	0.97	0.07	45,45,45,45	0
57	MG	2A	3531	1/1	0.97	0.06	26,26,26,26	0
57	MG	2A	3820	1/1	0.97	0.05	36,36,36,36	0
57	MG	1I	201	1/1	0.97	0.07	49,49,49,49	0
57	MG	1A	3158	1/1	0.97	0.08	29,29,29,29	0
57	MG	2A	3046	1/1	0.97	0.11	24,24,24,24	0
57	MG	1A	3405	1/1	0.97	0.09	35,35,35,35	0
57	MG	1A	3331	1/1	0.97	0.07	35,35,35,35	0
57	MG	1O	201	1/1	0.97	0.15	51,51,51,51	0
57	MG	1A	3985	1/1	0.97	0.10	35,35,35,35	0
57	MG	2A	3828	1/1	0.97	0.13	50,50,50,50	0
57	MG	2A	3830	1/1	0.97	0.10	36,36,36,36	0
57	MG	2A	3831	1/1	0.97	0.11	47,47,47,47	0
57	MG	1A	3159	1/1	0.97	0.10	22,22,22,22	0
57	MG	1a	1699	1/1	0.97	0.06	39,39,39,39	0
57	MG	1A	3989	1/1	0.97	0.05	67,67,67,67	0
57	MG	2A	3054	1/1	0.97	0.15	56,56,56,56	0
57	MG	1A	3589	1/1	0.97	0.07	38,38,38,38	0
57	MG	2A	3546	1/1	0.97	0.07	36,36,36,36	0
57	MG	1A	3335	1/1	0.97	0.11	32,32,32,32	0
57	MG	2A	3548	1/1	0.97	0.07	38,38,38,38	0
57	MG	1A	3491	1/1	0.97	0.05	45,45,45,45	0
57	MG	1P	204	1/1	0.97	0.18	32,32,32,32	0
57	MG	2A	3059	1/1	0.97	0.06	33,33,33,33	0
57	MG	1A	3492	1/1	0.97	0.09	45,45,45,45	0
57	MG	2A	3061	1/1	0.97	0.04	49,49,49,49	0
57	MG	1A	3215	1/1	0.97	0.21	41,41,41,41	0
57	MG	2A	3556	1/1	0.97	0.07	32,32,32,32	0
57	MG	1Q	202	1/1	0.97	0.10	32,32,32,32	0
57	MG	1A	3995	1/1	0.97	0.05	23,23,23,23	0
57	MG	1A	3217	1/1	0.97	0.09	36,36,36,36	0
57	MG	2w	101	1/1	0.97	0.12	50,50,50,50	0
57	MG	1a	1712	1/1	0.97	0.12	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3068	1/1	0.97	0.09	41,41,41,41	0
57	MG	2A	3069	1/1	0.97	0.15	40,40,40,40	0
57	MG	2w	105	1/1	0.97	0.13	44,44,44,44	0
57	MG	1A	3161	1/1	0.97	0.27	30,30,30,30	0
57	MG	1A	3496	1/1	0.97	0.15	30,30,30,30	0
57	MG	1A	3845	1/1	0.97	0.10	51,51,51,51	0
57	MG	2A	3312	1/1	0.97	0.06	51,51,51,51	0
57	MG	2A	3073	1/1	0.97	0.11	41,41,41,41	0
57	MG	2A	3074	1/1	0.97	0.17	37,37,37,37	0
57	MG	1A	3280	1/1	0.97	0.06	35,35,35,35	0
57	MG	1a	1717	1/1	0.97	0.18	64,64,64,64	0
57	MG	1A	3070	1/1	0.97	0.29	35,35,35,35	0
57	MG	1A	3848	1/1	0.97	0.08	49,49,49,49	0
57	MG	1A	3600	1/1	0.97	0.07	37,37,37,37	0
57	MG	2D	301	1/1	0.97	0.12	32,32,32,32	0
57	MG	2A	3082	1/1	0.97	0.09	48,48,48,48	0
59	TEL	2A	3845	58/58	0.97	0.08	24,32,38,40	0
57	MG	1A	3342	1/1	0.97	0.09	46,46,46,46	0
57	MG	1A	3282	1/1	0.97	0.10	46,46,46,46	0
60	ZN	2n	102	1/1	0.97	0.04	83,83,83,83	0
57	MG	1A	3250	1/1	0.98	0.05	38,38,38,38	0
57	MG	2A	3131	1/1	0.98	0.16	36,36,36,36	0
57	MG	1F	301	1/1	0.98	0.12	28,28,28,28	0
57	MG	2A	3523	1/1	0.98	0.06	42,42,42,42	0
57	MG	1A	3634	1/1	0.98	0.04	28,28,28,28	0
57	MG	2A	3134	1/1	0.98	0.16	34,34,34,34	0
57	MG	1A	3537	1/1	0.98	0.08	31,31,31,31	0
57	MG	1A	3538	1/1	0.98	0.15	27,27,27,27	0
57	MG	2A	3137	1/1	0.98	0.13	35,35,35,35	0
57	MG	2A	3740	1/1	0.98	0.06	57,57,57,57	0
57	MG	2A	3529	1/1	0.98	0.08	33,33,33,33	0
57	MG	1A	3865	1/1	0.98	0.04	48,48,48,48	0
57	MG	2A	3331	1/1	0.98	0.03	45,45,45,45	0
57	MG	1F	307	1/1	0.98	0.14	26,26,26,26	0
57	MG	1A	3752	1/1	0.98	0.05	38,38,38,38	0
57	MG	1A	3378	1/1	0.98	0.17	25,25,25,25	0
57	MG	1A	3251	1/1	0.98	0.05	35,35,35,35	0
57	MG	1F	311	1/1	0.98	0.03	34,34,34,34	0
57	MG	1A	3156	1/1	0.98	0.06	29,29,29,29	0
57	MG	1A	3311	1/1	0.98	0.12	34,34,34,34	0
57	MG	1A	3054	1/1	0.98	0.16	40,40,40,40	0
57	MG	1A	3642	1/1	0.98	0.05	21,21,21,21	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1651	1/1	0.98	0.07	38,38,38,38	0
57	MG	1a	1652	1/1	0.98	0.05	38,38,38,38	0
57	MG	1a	1653	1/1	0.98	0.06	48,48,48,48	0
57	MG	2a	1655	1/1	0.98	0.07	45,45,45,45	0
57	MG	2A	3545	1/1	0.98	0.09	32,32,32,32	0
57	MG	2a	1657	1/1	0.98	0.04	46,46,46,46	0
57	MG	1A	3458	1/1	0.98	0.11	43,43,43,43	0
57	MG	2A	3155	1/1	0.98	0.23	36,36,36,36	0
57	MG	1A	3003	1/1	0.98	0.05	23,23,23,23	0
57	MG	1A	3460	1/1	0.98	0.20	48,48,48,48	0
57	MG	2a	1662	1/1	0.98	0.10	35,35,35,35	0
57	MG	1A	3015	1/1	0.98	0.11	28,28,28,28	0
57	MG	1A	3550	1/1	0.98	0.12	22,22,22,22	0
57	MG	1A	3160	1/1	0.98	0.18	27,27,27,27	0
57	MG	1N	203	1/1	0.98	0.06	40,40,40,40	0
57	MG	1A	3765	1/1	0.98	0.07	33,33,33,33	0
57	MG	2A	3766	1/1	0.98	0.14	42,42,42,42	0
57	MG	2A	3555	1/1	0.98	0.08	36,36,36,36	0
57	MG	1N	205	1/1	0.98	0.09	43,43,43,43	0
57	MG	1A	3766	1/1	0.98	0.05	20,20,20,20	0
57	MG	1A	4015	1/1	0.98	0.06	55,55,55,55	0
57	MG	1A	3009	1/1	0.98	0.03	25,25,25,25	0
57	MG	1A	4018	1/1	0.98	0.05	45,45,45,45	0
57	MG	2A	3168	1/1	0.98	0.05	45,45,45,45	0
57	MG	1A	3041	1/1	0.98	0.17	30,30,30,30	0
57	MG	1A	3769	1/1	0.98	0.06	46,46,46,46	0
57	MG	1P	202	1/1	0.98	0.14	30,30,30,30	0
57	MG	1a	1670	1/1	0.98	0.09	57,57,57,57	0
57	MG	2A	3566	1/1	0.98	0.04	38,38,38,38	0
57	MG	2A	3567	1/1	0.98	0.04	26,26,26,26	0
57	MG	1A	3886	1/1	0.98	0.12	31,31,31,31	0
57	MG	2a	1683	1/1	0.98	0.13	31,31,31,31	0
57	MG	2A	3569	1/1	0.98	0.06	52,52,52,52	0
57	MG	1A	3207	1/1	0.98	0.07	31,31,31,31	0
57	MG	1A	3078	1/1	0.98	0.10	40,40,40,40	0
57	MG	1A	3653	1/1	0.98	0.07	34,34,34,34	0
57	MG	1A	3007	1/1	0.98	0.07	39,39,39,39	0
57	MG	1A	3892	1/1	0.98	0.06	33,33,33,33	0
57	MG	2A	3787	1/1	0.98	0.06	34,34,34,34	0
57	MG	1A	3468	1/1	0.98	0.05	35,35,35,35	0
57	MG	2A	3578	1/1	0.98	0.05	52,52,52,52	0
57	MG	1A	3019	1/1	0.98	0.20	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3182	1/1	0.98	0.07	51,51,51,51	0
57	MG	2a	1695	1/1	0.98	0.05	55,55,55,55	0
57	MG	1A	3560	1/1	0.98	0.05	31,31,31,31	0
57	MG	1A	3132	1/1	0.98	0.05	35,35,35,35	0
57	MG	1A	3264	1/1	0.98	0.09	22,22,22,22	0
57	MG	2A	3795	1/1	0.98	0.05	37,37,37,37	0
57	MG	1A	3661	1/1	0.98	0.05	22,22,22,22	0
57	MG	1A	3563	1/1	0.98	0.09	37,37,37,37	0
57	MG	1A	3782	1/1	0.98	0.06	21,21,21,21	0
57	MG	1A	3265	1/1	0.98	0.21	24,24,24,24	0
57	MG	1A	4036	1/1	0.98	0.05	22,22,22,22	0
57	MG	1A	3011	1/1	0.98	0.06	23,23,23,23	0
57	MG	2A	3803	1/1	0.98	0.09	45,45,45,45	0
57	MG	1A	3666	1/1	0.98	0.03	28,28,28,28	0
57	MG	1A	3267	1/1	0.98	0.18	34,34,34,34	0
57	MG	2A	3194	1/1	0.98	0.07	43,43,43,43	0
57	MG	1A	4040	1/1	0.98	0.04	39,39,39,39	0
57	MG	1A	3268	1/1	0.98	0.17	33,33,33,33	0
57	MG	1U	202	1/1	0.98	0.14	37,37,37,37	0
57	MG	1a	1693	1/1	0.98	0.07	40,40,40,40	0
57	MG	1A	3908	1/1	0.98	0.10	55,55,55,55	0
57	MG	1A	3106	1/1	0.98	0.19	30,30,30,30	0
57	MG	1A	4044	1/1	0.98	0.05	34,34,34,34	0
57	MG	2A	3202	1/1	0.98	0.10	63,63,63,63	0
57	MG	2A	3393	1/1	0.98	0.19	40,40,40,40	0
57	MG	1U	206	1/1	0.98	0.13	28,28,28,28	0
57	MG	1U	207	1/1	0.98	0.23	40,40,40,40	0
57	MG	2A	3017	1/1	0.98	0.13	44,44,44,44	0
57	MG	1U	208	1/1	0.98	0.13	30,30,30,30	0
57	MG	1A	3477	1/1	0.98	0.14	37,37,37,37	0
57	MG	1A	3911	1/1	0.98	0.06	29,29,29,29	0
57	MG	2A	3022	1/1	0.98	0.09	39,39,39,39	0
57	MG	1A	3673	1/1	0.98	0.03	25,25,25,25	0
57	MG	1A	3170	1/1	0.98	0.05	39,39,39,39	0
57	MG	1A	3272	1/1	0.98	0.06	43,43,43,43	0
57	MG	1a	1705	1/1	0.98	0.15	41,41,41,41	0
57	MG	1a	1706	1/1	0.98	0.06	40,40,40,40	0
57	MG	1A	3915	1/1	0.98	0.04	48,48,48,48	0
57	MG	2A	3829	1/1	0.98	0.04	48,48,48,48	0
57	MG	1A	3216	1/1	0.98	0.07	38,38,38,38	0
57	MG	1A	3332	1/1	0.98	0.24	35,35,35,35	0
57	MG	1A	4054	1/1	0.98	0.07	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1W	204	1/1	0.98	0.17	31,31,31,31	0
57	MG	1A	3919	1/1	0.98	0.08	30,30,30,30	0
57	MG	1A	3920	1/1	0.98	0.04	27,27,27,27	0
57	MG	2A	3035	1/1	0.98	0.12	27,27,27,27	0
57	MG	1A	3921	1/1	0.98	0.03	26,26,26,26	0
57	MG	1A	3333	1/1	0.98	0.10	33,33,33,33	0
57	MG	1X	101	1/1	0.98	0.05	54,54,54,54	0
57	MG	1A	3923	1/1	0.98	0.08	36,36,36,36	0
57	MG	1A	3135	1/1	0.98	0.11	24,24,24,24	0
57	MG	1A	3682	1/1	0.98	0.09	23,23,23,23	0
57	MG	1A	3173	1/1	0.98	0.17	28,28,28,28	0
57	MG	1A	3045	1/1	0.98	0.12	27,27,27,27	0
57	MG	1A	3175	1/1	0.98	0.04	20,20,20,20	0
57	MG	2A	3232	1/1	0.98	0.05	42,42,42,42	0
57	MG	1A	3021	1/1	0.98	0.14	24,24,24,24	0
57	MG	2A	3234	1/1	0.98	0.11	41,41,41,41	0
57	MG	1Y	204	1/1	0.98	0.18	46,46,46,46	0
57	MG	1A	3177	1/1	0.98	0.07	28,28,28,28	0
57	MG	1A	3410	1/1	0.98	0.11	36,36,36,36	0
57	MG	10	101	1/1	0.98	0.12	32,32,32,32	0
57	MG	1A	3689	1/1	0.98	0.06	23,23,23,23	0
57	MG	2a	1757	1/1	0.98	0.04	60,60,60,60	0
57	MG	1A	3806	1/1	0.98	0.04	18,18,18,18	0
57	MG	2a	1759	1/1	0.98	0.06	57,57,57,57	0
57	MG	1A	3490	1/1	0.98	0.14	23,23,23,23	0
57	MG	1A	3031	1/1	0.98	0.06	23,23,23,23	0
57	MG	2a	1762	1/1	0.98	0.08	42,42,42,42	0
57	MG	1A	3939	1/1	0.98	0.05	46,46,46,46	0
57	MG	1A	3032	1/1	0.98	0.24	29,29,29,29	0
57	MG	2A	3245	1/1	0.98	0.12	54,54,54,54	0
57	MG	1A	3225	1/1	0.98	0.08	24,24,24,24	0
57	MG	2a	1767	1/1	0.98	0.07	58,58,58,58	0
57	MG	1A	3414	1/1	0.98	0.08	42,42,42,42	0
57	MG	2A	3248	1/1	0.98	0.06	47,47,47,47	0
57	MG	1A	3344	1/1	0.98	0.07	43,43,43,43	0
57	MG	2A	3442	1/1	0.98	0.21	34,34,34,34	0
57	MG	2D	302	1/1	0.98	0.03	21,21,21,21	0
57	MG	1A	3022	1/1	0.98	0.07	37,37,37,37	0
57	MG	2A	3651	1/1	0.98	0.07	42,42,42,42	0
57	MG	1A	3284	1/1	0.98	0.06	30,30,30,30	0
57	MG	2A	3445	1/1	0.98	0.09	53,53,53,53	0
57	MG	12	102	1/1	0.98	0.05	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	13	101	1/1	0.98	0.10	29,29,29,29	0
57	MG	13	102	1/1	0.98	0.17	43,43,43,43	0
57	MG	1A	3068	1/1	0.98	0.07	12,12,12,12	0
57	MG	1A	3419	1/1	0.98	0.23	27,27,27,27	0
57	MG	2A	3066	1/1	0.98	0.15	47,47,47,47	0
57	MG	1a	1744	1/1	0.98	0.04	46,46,46,46	0
57	MG	1A	3500	1/1	0.98	0.18	29,29,29,29	0
57	MG	1A	3023	1/1	0.98	0.07	13,13,13,13	0
57	MG	1A	3145	1/1	0.98	0.13	26,26,26,26	0
57	MG	1A	3230	1/1	0.98	0.13	41,41,41,41	0
57	MG	1a	1749	1/1	0.98	0.05	30,30,30,30	0
57	MG	1A	3089	1/1	0.98	0.06	49,49,49,49	0
57	MG	1A	3352	1/1	0.98	0.17	31,31,31,31	0
57	MG	1A	3232	1/1	0.98	0.08	24,24,24,24	0
57	MG	2A	3076	1/1	0.98	0.07	22,22,22,22	0
57	MG	1B	213	1/1	0.98	0.09	42,42,42,42	0
57	MG	17	103	1/1	0.98	0.07	34,34,34,34	0
57	MG	1a	1755	1/1	0.98	0.04	43,43,43,43	0
57	MG	1A	3707	1/1	0.98	0.12	40,40,40,40	0
57	MG	2A	3081	1/1	0.98	0.06	44,44,44,44	0
57	MG	1A	3185	1/1	0.98	0.15	35,35,35,35	0
57	MG	1A	3602	1/1	0.98	0.05	15,15,15,15	0
57	MG	1A	3355	1/1	0.98	0.19	31,31,31,31	0
57	MG	1A	3712	1/1	0.98	0.05	27,27,27,27	0
57	MG	1A	3090	1/1	0.98	0.07	21,21,21,21	0
57	MG	1A	3035	1/1	0.98	0.07	35,35,35,35	0
57	MG	1A	3294	1/1	0.98	0.03	18,18,18,18	0
57	MG	1a	1765	1/1	0.98	0.11	44,44,44,44	0
57	MG	2A	3090	1/1	0.98	0.07	33,33,33,33	0
57	MG	1A	3071	1/1	0.98	0.07	14,14,14,14	0
57	MG	1A	3119	1/1	0.98	0.09	27,27,27,27	0
57	MG	1A	3120	1/1	0.98	0.12	28,28,28,28	0
57	MG	1A	3836	1/1	0.98	0.05	16,16,16,16	0
57	MG	1A	3191	1/1	0.98	0.15	29,29,29,29	0
57	MG	1A	3364	1/1	0.98	0.05	36,36,36,36	0
57	MG	1A	3612	1/1	0.98	0.06	46,46,46,46	0
57	MG	1A	3365	1/1	0.98	0.18	34,34,34,34	0
57	MG	1A	3192	1/1	0.98	0.14	24,24,24,24	0
57	MG	2A	3291	1/1	0.98	0.10	46,46,46,46	0
57	MG	1A	3242	1/1	0.98	0.12	28,28,28,28	0
57	MG	2A	3487	1/1	0.98	0.11	51,51,51,51	0
57	MG	1A	3973	1/1	0.98	0.08	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3440	1/1	0.98	0.10	39,39,39,39	0
57	MG	2A	3103	1/1	0.98	0.06	41,41,41,41	0
57	MG	2I	204	1/1	0.98	0.05	63,63,63,63	0
57	MG	1A	3441	1/1	0.98	0.04	43,43,43,43	0
57	MG	1A	3522	1/1	0.98	0.12	24,24,24,24	0
57	MG	1A	3243	1/1	0.98	0.20	30,30,30,30	0
57	MG	2A	3704	1/1	0.98	0.07	38,38,38,38	0
57	MG	1A	3152	1/1	0.98	0.04	26,26,26,26	0
57	MG	1A	3036	1/1	0.98	0.09	22,22,22,22	0
57	MG	1A	3094	1/1	0.98	0.03	34,34,34,34	0
57	MG	1A	3095	1/1	0.98	0.10	15,15,15,15	0
57	MG	1D	308	1/1	0.98	0.17	30,30,30,30	0
57	MG	1D	309	1/1	0.98	0.13	34,34,34,34	0
57	MG	1A	3373	1/1	0.98	0.05	42,42,42,42	0
57	MG	1A	3529	1/1	0.98	0.04	40,40,40,40	0
57	MG	1A	3448	1/1	0.98	0.05	38,38,38,38	0
57	MG	1a	1790	1/1	0.98	0.06	35,35,35,35	0
57	MG	1A	3198	1/1	0.98	0.05	37,37,37,37	0
57	MG	1A	3628	1/1	0.98	0.04	18,18,18,18	0
57	MG	1E	302	1/1	0.98	0.13	36,36,36,36	0
57	MG	1A	3987	1/1	0.98	0.07	27,27,27,27	0
57	MG	1A	3988	1/1	0.98	0.05	69,69,69,69	0
57	MG	2A	3720	1/1	0.98	0.14	40,40,40,40	0
57	MG	1A	3199	1/1	0.98	0.04	31,31,31,31	0
57	MG	1A	3376	1/1	0.98	0.31	25,25,25,25	0
57	MG	1E	308	1/1	0.98	0.10	23,23,23,23	0
57	MG	2a	1622	1/1	0.98	0.05	45,45,45,45	0
57	MG	1A	3534	1/1	0.98	0.20	28,28,28,28	0
57	MG	1A	3745	1/1	0.98	0.07	41,41,41,41	0
57	MG	1a	1633	1/1	0.98	0.15	22,22,22,22	0
57	MG	2A	3516	1/1	0.98	0.07	31,31,31,31	0
57	MG	2A	3128	1/1	0.98	0.05	35,35,35,35	0
60	ZN	2Y	501	1/1	0.98	0.06	89,89,89,89	0
57	MG	1A	3632	1/1	0.98	0.13	20,20,20,20	0
57	MG	2A	3519	1/1	0.98	0.09	36,36,36,36	0
57	MG	1F	303	1/1	0.99	0.22	34,34,34,34	0
57	MG	1A	3671	1/1	0.99	0.06	19,19,19,19	0
57	MG	1a	1650	1/1	0.99	0.04	39,39,39,39	0
57	MG	2A	3171	1/1	0.99	0.04	33,33,33,33	0
57	MG	1A	3012	1/1	0.99	0.14	23,23,23,23	0
57	MG	1A	3890	1/1	0.99	0.08	43,43,43,43	0
57	MG	1A	3772	1/1	0.99	0.03	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3594	1/1	0.99	0.04	32,32,32,32	0
57	MG	1V	201	1/1	0.99	0.17	22,22,22,22	0
57	MG	1V	202	1/1	0.99	0.10	22,22,22,22	0
57	MG	1A	3139	1/1	0.99	0.14	25,25,25,25	0
57	MG	1A	3675	1/1	0.99	0.05	23,23,23,23	0
57	MG	1A	3895	1/1	0.99	0.03	20,20,20,20	0
57	MG	1A	3896	1/1	0.99	0.03	27,27,27,27	0
57	MG	1A	3739	1/1	0.99	0.03	35,35,35,35	0
57	MG	1A	3676	1/1	0.99	0.08	22,22,22,22	0
57	MG	1A	3741	1/1	0.99	0.06	23,23,23,23	0
57	MG	1A	3996	1/1	0.99	0.03	31,31,31,31	0
57	MG	1A	3426	1/1	0.99	0.10	33,33,33,33	0
57	MG	1B	224	1/1	0.99	0.04	36,36,36,36	0
57	MG	1A	3549	1/1	0.99	0.13	24,24,24,24	0
57	MG	1A	3162	1/1	0.99	0.09	35,35,35,35	0
57	MG	1A	3710	1/1	0.99	0.09	23,23,23,23	0
57	MG	2A	3532	1/1	0.99	0.10	31,31,31,31	0
57	MG	1X	102	1/1	0.99	0.18	33,33,33,33	0
57	MG	1A	3574	1/1	0.99	0.11	26,26,26,26	0
57	MG	1A	3140	1/1	0.99	0.05	15,15,15,15	0
57	MG	1A	3748	1/1	0.99	0.08	35,35,35,35	0
57	MG	1A	3552	1/1	0.99	0.17	26,26,26,26	0
57	MG	1A	3040	1/1	0.99	0.09	25,25,25,25	0
57	MG	1A	3105	1/1	0.99	0.14	33,33,33,33	0
57	MG	1A	3827	1/1	0.99	0.03	29,29,29,29	0
57	MG	1A	3236	1/1	0.99	0.10	25,25,25,25	0
57	MG	1A	3337	1/1	0.99	0.16	26,26,26,26	0
57	MG	1A	3869	1/1	0.99	0.04	28,28,28,28	0
57	MG	2A	3009	1/1	0.99	0.04	31,31,31,31	0
57	MG	1A	3269	1/1	0.99	0.22	35,35,35,35	0
57	MG	1A	3792	1/1	0.99	0.06	20,20,20,20	0
57	MG	1A	3872	1/1	0.99	0.04	39,39,39,39	0
57	MG	2A	3013	1/1	0.99	0.04	48,48,48,48	0
57	MG	1A	3719	1/1	0.99	0.05	24,24,24,24	0
57	MG	2A	3696	1/1	0.99	0.02	35,35,35,35	0
57	MG	1A	3918	1/1	0.99	0.04	50,50,50,50	0
57	MG	2A	3142	1/1	0.99	0.05	29,29,29,29	0
57	MG	1Q	203	1/1	0.99	0.03	37,37,37,37	0
57	MG	1A	3005	1/1	0.99	0.04	32,32,32,32	0
57	MG	1A	4017	1/1	0.99	0.02	19,19,19,19	0
57	MG	2A	3019	1/1	0.99	0.05	30,30,30,30	0
57	MG	2A	3147	1/1	0.99	0.04	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3535	1/1	0.99	0.10	25,25,25,25	0
57	MG	1A	3659	1/1	0.99	0.03	33,33,33,33	0
57	MG	1A	3358	1/1	0.99	0.13	43,43,43,43	0
57	MG	2A	3151	1/1	0.99	0.05	46,46,46,46	0
57	MG	1A	3017	1/1	0.99	0.04	50,50,50,50	0
57	MG	2A	3354	1/1	0.99	0.05	35,35,35,35	0
57	MG	1A	3116	1/1	0.99	0.04	28,28,28,28	0
57	MG	2w	106	1/1	0.99	0.12	49,49,49,49	0
57	MG	1A	3053	1/1	0.99	0.08	29,29,29,29	0
57	MG	1E	304	1/1	0.99	0.17	29,29,29,29	0
57	MG	2A	3495	1/1	0.99	0.07	24,24,24,24	0
57	MG	1A	3926	1/1	0.99	0.04	30,30,30,30	0
57	MG	1A	3664	1/1	0.99	0.03	24,24,24,24	0
57	MG	1A	3014	1/1	0.99	0.05	24,24,24,24	0
57	MG	1a	1758	1/1	0.99	0.08	48,48,48,48	0
57	MG	1A	3197	1/1	0.99	0.16	21,21,21,21	0
57	MG	1A	3212	1/1	0.99	0.07	33,33,33,33	0
57	MG	2A	3574	1/1	0.99	0.04	31,31,31,31	0
57	MG	1A	3067	1/1	0.99	0.10	22,22,22,22	0
58	K	1A	3546	1/1	0.99	0.08	26,26,26,26	0
57	MG	1A	3932	1/1	0.99	0.04	47,47,47,47	0
57	MG	1A	3732	1/1	0.99	0.07	19,19,19,19	0
57	MG	2E	303	1/1	0.99	0.08	26,26,26,26	0
60	ZN	1Y	205	1/1	0.99	0.02	59,59,59,59	0
57	MG	2A	3435	1/1	0.99	0.12	15,15,15,15	0
60	ZN	1n	103	1/1	0.99	0.02	56,56,56,56	0
57	MG	1A	3934	1/1	0.99	0.04	51,51,51,51	0
57	MG	1A	3172	1/1	0.99	0.17	26,26,26,26	0
60	ZN	25	3104	1/1	0.99	0.04	65,65,65,65	0
60	ZN	26	501	1/1	0.99	0.03	62,62,62,62	0
60	ZN	29	501	1/1	0.99	0.04	63,63,63,63	0
57	MG	17	102	1/1	0.99	0.07	28,28,28,28	0
61	SF4	1d	302	8/8	0.99	0.05	48,56,60,67	0
61	SF4	2d	303	8/8	0.99	0.03	63,70,79,83	0
57	MG	2A	3689	1/1	1.00	0.04	25,25,25,25	0
57	MG	2A	3573	1/1	1.00	0.04	30,30,30,30	0
57	MG	2A	3796	1/1	1.00	0.04	33,33,33,33	0
57	MG	1A	4051	1/1	1.00	0.04	21,21,21,21	0
57	MG	1A	3668	1/1	1.00	0.08	42,42,42,42	0
57	MG	1D	307	1/1	1.00	0.10	26,26,26,26	0
60	ZN	15	106	1/1	1.00	0.03	43,43,43,43	0
60	ZN	16	102	1/1	1.00	0.02	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
60	ZN	19	501	1/1	1.00	0.06	44,44,44,44	0

5.5 Other polymers [i](#)

There are no such residues in this entry.