



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 17, 2026 – 08:28 AM UTC

PDB ID : 5F8K / pdb_00005f8k
Title : Crystal structure of the Bac7(1-16) antimicrobial peptide bound to the *Thermus thermophilus* 70S ribosome
Authors : Seefeldt, A.C.; Graf, M.; Perebaskine, N.; Nguyen, F.; Arenz, S.; Mardirossian, M.; Scocchi, M.; Wilson, D.N.; Innis, C.A.
Deposited on : 2015-12-09
Resolution : 2.80 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 ⓘ](#)) were used in the production of this report:

MolProbity : **FAILED**
Mogul : 2022.3.0, CSD as543be (2022)
Xtriage (Phenix) : 2.0
EDS : 3.0
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

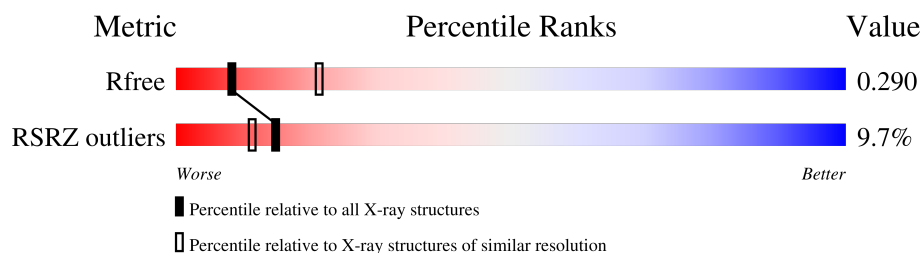
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.80 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	3657 (2.80-2.80)
RSRZ outliers	164620	3659 (2.80-2.80)

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

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	2A	3079	-	-	-	X
56	MG	2A	3131	-	-	-	X
56	MG	2A	3719	-	-	-	X
56	MG	2A	3742	-	-	-	X
56	MG	2a	1718	-	-	-	X
56	MG	2a	1752	-	-	-	X

2 Entry composition

There are 60 unique types of molecules in this entry. The entry contains 296108 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	1A	2872	Total	C	N	O	P	0	0	0
			61872	27540	11574	19886	2872			
1	2A	2867	Total	C	N	O	P	0	0	0
			61761	27491	11552	19852	2866			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	1B	120	Total	C	N	O	P	0	0	0
			2575	1145	476	834	120			
2	2B	120	Total	C	N	O	P	0	0	0
			2571	1146	476	831	118			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	1D	275	Total	C	N	O	S	0	0	0
			2131	1346	422	360	3			
3	2D	275	Total	C	N	O	S	0	0	0
			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
			1426	916	253	253	4			
6	2G	181	Total	C	N	O	S	0	0	0
			1424	912	259	249	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	173	Total	C	N	O	S	0	0	0
			1324	842	247	234	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	1I	147	Total	C	N	O	S	0	0	0
			1094	699	191	203	1			
8	2I	146	Total	C	N	O	S	0	0	0
			1076	687	186	202	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	1N	140	Total	C	N	O	S	0	0	0
			1121	722	208	187	4			
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
			877	553	175	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
			775	498	141	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
			810	520	153	131	6			
20	2Y	107	Total	C	N	O	S	0	0	0
			810	519	153	132	6			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	1Z	203	Total	C	N	O	S	0	0	0
			1587	1011	282	292	2			
21	2Z	201	Total	C	N	O	S	0	0	0
			1557	995	274	286	2			

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	11	97	Total	C	N	O	S	0	0	0
			754	475	148	130	1			
23	21	97	Total	C	N	O	S	0	0	0
			759	478	149	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
			592	368	119	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
			546	346	96	99	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	24	69	Total	C	N	O	S	0	0	0
			536	342	98	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
			459	288	90	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	1504	Total	C	N	O	P	0	0	0
			32331	14396	5990	10441	1504			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	1b	231	Total	C	N	O	S	0	0	0
			1842	1175	330	332	5			
33	2b	231	Total	C	N	O	S	0	0	0
			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
			1558	979	305	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
			1665	1043	329	286	7			
35	2d	208	Total	C	N	O	S	0	0	0
			1668	1047	330	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
			1133	716	214	199	4			
36	2e	148	Total	C	N	O	S	0	0	0
			1133	716	214	199	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	1f	100	Total	C	N	O	S	0	0	0
			814	516	144	151	3			
37	2f	100	Total	C	N	O	S	0	0	0
			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
			1235	769	244	216	6			
38	2g	155	Total	C	N	O	S	0	0	0
			1229	766	241	216	6			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	1h	137	Total	C	N	O	S	0	0	0
			1098	694	210	192	2			
39	2h	137	Total	C	N	O	S	0	0	0
			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
			986	625	193	168			
40	2i	126	Total	C	N	O	0	0	0
			966	613	186	167			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
41	1j	97	Total	C	N	O	0	0	0
			719	446	142	131			
41	2j	96	Total	C	N	O	0	0	0
			710	442	137	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
			834	520	156	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	116	Total	C	N	O	S	0	0	0
			914	564	189	159	2			
44	2m	114	Total	C	N	O	S	0	0	0
			895	550	186	157	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
			648	415	120	111	2			
50	2s	83	Total	C	N	O	S	0	0	0
			645	410	118	115	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
51	1t	96	Total	C	N	O	S	0	0	0
			732	449	157	124	2			
51	2t	98	Total	C	N	O	S	0	0	0
			733	451	154	126	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	3	Total	C	N	O	P	0	0	0
			65	29	12	21	3			
53	2v	3	Total	C	N	O	P	0	0	0
			65	29	12	21	3			

- Molecule 54 is a RNA chain called tRNAiMet.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
54	1x	76	Total	C	N	O	P	S	0	0	0
			1625	725	294	529	76	1			
54	2x	76	Total	C	N	O	P	S	0	0	0
			1625	725	294	529	76	1			

- Molecule 55 is a protein called Cathelicidin-3.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
55	1y	16	Total	C	N	O	0	0	0
			147	90	40	17			
55	2y	16	Total	C	N	O	0	0	0
			147	90	40	17			

- Molecule 56 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1A	973	Total	Mg	0	0
			973	973		
56	1B	27	Total	Mg	0	0
			27	27		
56	1D	14	Total	Mg	0	0
			14	14		
56	1E	7	Total	Mg	0	0
			7	7		
56	1F	10	Total	Mg	0	0
			10	10		
56	1G	3	Total	Mg	0	0
			3	3		
56	1H	2	Total	Mg	0	0
			2	2		
56	1N	4	Total	Mg	0	0
			4	4		
56	1P	4	Total	Mg	0	0
			4	4		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1Q	6	Total 6	Mg 6	0	0
56	1R	4	Total 4	Mg 4	0	0
56	1S	1	Total 1	Mg 1	0	0
56	1T	1	Total 1	Mg 1	0	0
56	1U	3	Total 3	Mg 3	0	0
56	1V	3	Total 3	Mg 3	0	0
56	1W	3	Total 3	Mg 3	0	0
56	1X	1	Total 1	Mg 1	0	0
56	10	8	Total 8	Mg 8	0	0
56	11	2	Total 2	Mg 2	0	0
56	13	2	Total 2	Mg 2	0	0
56	15	7	Total 7	Mg 7	0	0
56	17	2	Total 2	Mg 2	0	0
56	18	1	Total 1	Mg 1	0	0
56	19	3	Total 3	Mg 3	0	0
56	1a	240	Total 240	Mg 240	0	0
56	1b	1	Total 1	Mg 1	0	0
56	1d	5	Total 5	Mg 5	0	0
56	1e	1	Total 1	Mg 1	0	0
56	1f	1	Total 1	Mg 1	0	0
56	1g	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1h	1	Total 1	Mg 1	0	0
56	1i	1	Total 1	Mg 1	0	0
56	1l	3	Total 3	Mg 3	0	0
56	1n	1	Total 1	Mg 1	0	0
56	1o	2	Total 2	Mg 2	0	0
56	1q	1	Total 1	Mg 1	0	0
56	1t	1	Total 1	Mg 1	0	0
56	1x	13	Total 13	Mg 13	0	0
56	2A	986	Total 986	Mg 986	0	0
56	2B	25	Total 25	Mg 25	0	0
56	2D	17	Total 17	Mg 17	0	0
56	2E	6	Total 6	Mg 6	0	0
56	2F	9	Total 9	Mg 9	0	0
56	2G	3	Total 3	Mg 3	0	0
56	2H	2	Total 2	Mg 2	0	0
56	2N	3	Total 3	Mg 3	0	0
56	2P	3	Total 3	Mg 3	0	0
56	2Q	4	Total 4	Mg 4	0	0
56	2R	2	Total 2	Mg 2	0	0
56	2S	1	Total 1	Mg 1	0	0
56	2U	7	Total 7	Mg 7	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2V	1	Total 1	Mg 1	0	0
56	2W	1	Total 1	Mg 1	0	0
56	2X	2	Total 2	Mg 2	0	0
56	2Y	2	Total 2	Mg 2	0	0
56	20	5	Total 5	Mg 5	0	0
56	23	2	Total 2	Mg 2	0	0
56	25	3	Total 3	Mg 3	0	0
56	27	2	Total 2	Mg 2	0	0
56	28	1	Total 1	Mg 1	0	0
56	29	2	Total 2	Mg 2	0	0
56	2a	221	Total 221	Mg 221	0	0
56	2b	1	Total 1	Mg 1	0	0
56	2d	4	Total 4	Mg 4	0	0
56	2e	1	Total 1	Mg 1	0	0
56	2f	1	Total 1	Mg 1	0	0
56	2g	1	Total 1	Mg 1	0	0
56	2h	2	Total 2	Mg 2	0	0
56	2i	1	Total 1	Mg 1	0	0
56	2j	1	Total 1	Mg 1	0	0
56	2l	2	Total 2	Mg 2	0	0
56	2n	1	Total 1	Mg 1	0	0

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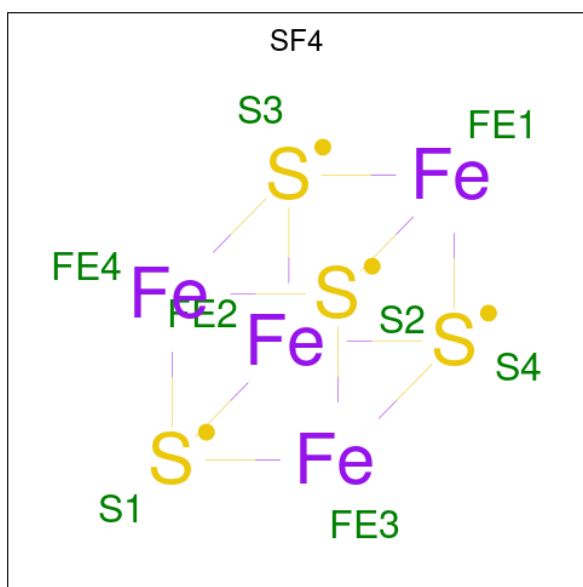
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2o	1	Total 1	Mg 1	0	0
56	2t	1	Total 1	Mg 1	0	0
56	2v	1	Total 1	Mg 1	0	0
56	2x	12	Total 12	Mg 12	0	0

- Molecule 57 is ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1Y	1	Total 1	Zn 1	0	0
57	14	1	Total 1	Zn 1	0	0
57	15	1	Total 1	Zn 1	0	0
57	16	1	Total 1	Zn 1	0	0
57	19	1	Total 1	Zn 1	0	0
57	1n	1	Total 1	Zn 1	0	0
57	2Y	1	Total 1	Zn 1	0	0
57	24	1	Total 1	Zn 1	0	0
57	25	1	Total 1	Zn 1	0	0
57	26	1	Total 1	Zn 1	0	0
57	29	1	Total 1	Zn 1	0	0
57	2n	1	Total 1	Zn 1	0	0

- Molecule 58 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe₄S₄).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
58	1d	1	Total	Fe	S	0	0
			8	4	4		
58	2d	1	Total	Fe	S	0	0
			8	4	4		

- Molecule 59 is POTASSIUM ION (CCD ID: K) (formula: K).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	1x	1	Total	K	0	0
			1	1		
59	2A	1	Total	K	0	0
			1	1		

- Molecule 60 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1A	1795	Total	O	0	0
			1795	1795		
60	1B	49	Total	O	0	0
			49	49		
60	1D	23	Total	O	0	0
			23	23		
60	1E	16	Total	O	0	0
			16	16		
60	1F	9	Total	O	0	0
			9	9		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1G	2	Total	O	0	0
			2	2		
60	1H	4	Total	O	0	0
			4	4		
60	1N	8	Total	O	0	0
			8	8		
60	1P	14	Total	O	0	0
			14	14		
60	1Q	6	Total	O	0	0
			6	6		
60	1R	6	Total	O	0	0
			6	6		
60	1T	5	Total	O	0	0
			5	5		
60	1U	3	Total	O	0	0
			3	3		
60	1V	6	Total	O	0	0
			6	6		
60	1W	1	Total	O	0	0
			1	1		
60	1X	6	Total	O	0	0
			6	6		
60	1Y	4	Total	O	0	0
			4	4		
60	10	5	Total	O	0	0
			5	5		
60	11	5	Total	O	0	0
			5	5		
60	13	1	Total	O	0	0
			1	1		
60	15	3	Total	O	0	0
			3	3		
60	16	1	Total	O	0	0
			1	1		
60	17	2	Total	O	0	0
			2	2		
60	18	8	Total	O	0	0
			8	8		
60	19	2	Total	O	0	0
			2	2		
60	1a	408	Total	O	0	0
			408	408		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1d	8	Total 8	O 8	0	0
60	1e	3	Total 3	O 3	0	0
60	1f	1	Total 1	O 1	0	0
60	1h	1	Total 1	O 1	0	0
60	1j	1	Total 1	O 1	0	0
60	1l	4	Total 4	O 4	0	0
60	1m	1	Total 1	O 1	0	0
60	1o	2	Total 2	O 2	0	0
60	1p	1	Total 1	O 1	0	0
60	1t	2	Total 2	O 2	0	0
60	1v	2	Total 2	O 2	0	0
60	1x	5	Total 5	O 5	0	0
60	1y	2	Total 2	O 2	0	0
60	2A	1787	Total 1787	O 1787	0	0
60	2B	46	Total 46	O 46	0	0
60	2D	20	Total 20	O 20	0	0
60	2E	15	Total 15	O 15	0	0
60	2F	11	Total 11	O 11	0	0
60	2G	2	Total 2	O 2	0	0
60	2H	4	Total 4	O 4	0	0
60	2N	8	Total 8	O 8	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	2P	17	Total 17	O 17	0	0
60	2Q	4	Total 4	O 4	0	0
60	2R	6	Total 6	O 6	0	0
60	2T	4	Total 4	O 4	0	0
60	2U	5	Total 5	O 5	0	0
60	2V	3	Total 3	O 3	0	0
60	2W	1	Total 1	O 1	0	0
60	2X	5	Total 5	O 5	0	0
60	2Y	8	Total 8	O 8	0	0
60	20	9	Total 9	O 9	0	0
60	21	2	Total 2	O 2	0	0
60	23	2	Total 2	O 2	0	0
60	25	2	Total 2	O 2	0	0
60	26	1	Total 1	O 1	0	0
60	27	2	Total 2	O 2	0	0
60	28	9	Total 9	O 9	0	0
60	29	4	Total 4	O 4	0	0
60	2a	408	Total 408	O 408	0	0
60	2d	7	Total 7	O 7	0	0
60	2e	4	Total 4	O 4	0	0
60	2f	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	2h	1	Total	O	0	0
			1	1		
60	2j	2	Total	O	0	0
			2	2		
60	2l	7	Total	O	0	0
			7	7		
60	2m	1	Total	O	0	0
			1	1		
60	2n	1	Total	O	0	0
			1	1		
60	2t	1	Total	O	0	0
			1	1		
60	2v	3	Total	O	0	0
			3	3		
60	2x	4	Total	O	0	0
			4	4		
60	2y	4	Total	O	0	0
			4	4		

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

3 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.96Å 450.13Å 622.82Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	48.62 – 2.80 48.62 – 2.80	Depositor EDS
% Data completeness (in resolution range)	99.5 (48.62-2.80) 99.6 (48.62-2.80)	Depositor EDS
R_{merge}	0.51	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.14 (at 2.81Å)	Xtriage
Refinement program	PHENIX	Depositor
R, R_{free}	0.249 , 0.292 0.248 , 0.290	Depositor DCC
R_{free} test set	70217 reflections (4.93%)	wwPDB-VP
Wilson B-factor (Å ²)	42.0	Xtriage
Anisotropy	0.182	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.32 , 54.0	EDS
L-test for twinning ²	$\langle L \rangle = 0.38$, $\langle L^2 \rangle = 0.20$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.84	EDS
Total number of atoms	296108	wwPDB-VP
Average B, all atoms (Å ²)	44.0	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](#)

56 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	$\# Z > 2$
32	M2G	1a	966	32	20,27,28	2.85	6 (30%)	19,40,43	1.28	4 (21%)
1	2MA	2A	2503	1,56	18,25,26	2.51	4 (22%)	20,37,40	2.56	4 (20%)
1	OMG	1A	2263	54,1	19,26,27	1.88	7 (36%)	21,38,41	1.55	5 (23%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	OMU	2A	2552	1,56	19,22,23	6.82	10 (52%)	25,31,34	2.45	7 (28%)
54	5MC	1x	32	54	19,22,23	1.10	3 (15%)	26,32,35	1.27	3 (11%)
32	5MC	1a	1400	32	19,22,23	0.89	1 (5%)	26,32,35	1.26	4 (15%)
32	4OC	2a	1402	32	20,23,24	2.51	8 (40%)	25,32,35	1.59	3 (12%)
54	5MU	1x	54	54	19,22,23	0.85	1 (5%)	27,32,35	1.16	2 (7%)
32	5MC	1a	967	32	19,22,23	1.18	2 (10%)	26,32,35	1.23	4 (15%)
54	4SU	1x	8	54	18,21,22	1.28	1 (5%)	25,30,33	0.89	1 (4%)
1	PSU	1A	1933	1	18,21,22	1.11	2 (11%)	21,30,33	1.76	5 (23%)
43	0TD	2l	92	43	8,9,10	2.18	2 (25%)	6,11,13	2.89	4 (66%)
32	PSU	1a	516	32	18,21,22	1.49	3 (16%)	21,30,33	2.48	6 (28%)
1	OMC	2A	1920	1	19,22,23	2.47	7 (36%)	25,31,34	0.96	1 (4%)
32	2MG	1a	1207	32	18,26,27	2.00	5 (27%)	16,38,41	1.75	4 (25%)
32	UR3	2a	1498	32	19,22,23	2.07	4 (21%)	26,32,35	1.59	4 (15%)
1	5MU	1A	1937	1	19,22,23	1.16	1 (5%)	27,32,35	1.50	5 (18%)
1	5MC	2A	1942	1	19,22,23	1.07	1 (5%)	26,32,35	1.33	5 (19%)
1	5MU	2A	1939	1	19,22,23	1.06	2 (10%)	27,32,35	1.25	2 (7%)
1	5MC	1A	1984	1,56	19,22,23	0.99	2 (10%)	26,32,35	1.41	5 (19%)
1	PSU	2A	1917	1	18,21,22	1.33	3 (16%)	21,30,33	1.63	6 (28%)
32	5MC	2a	1404	32	19,22,23	0.91	1 (5%)	26,32,35	1.29	5 (19%)
32	4OC	1a	1402	32	20,23,24	2.47	8 (40%)	25,32,35	0.98	2 (8%)
32	M2G	2a	966	32	20,27,28	3.03	6 (30%)	19,40,43	1.36	3 (15%)
32	7MG	1a	527	32,56	23,26,27	2.21	7 (30%)	27,39,42	2.07	9 (33%)
1	PSU	2A	1911	1	18,21,22	1.33	3 (16%)	21,30,33	1.70	4 (19%)
32	PSU	2a	516	32	18,21,22	1.36	3 (16%)	21,30,33	2.05	6 (28%)
32	2MG	2a	1207	32	18,26,27	1.89	5 (27%)	16,38,41	1.39	3 (18%)
1	2MA	1A	2515	1,56	18,25,26	2.48	4 (22%)	20,37,40	2.89	4 (20%)
32	5MC	2a	1407	32	19,22,23	1.12	3 (15%)	26,32,35	1.16	3 (11%)
32	MA6	1a	1518	32	19,26,27	1.78	3 (15%)	18,38,41	4.64	4 (22%)
32	UR3	1a	1498	32	19,22,23	2.03	3 (15%)	26,32,35	1.79	5 (19%)
32	MA6	1a	1519	32	19,26,27	1.63	3 (15%)	18,38,41	4.96	4 (22%)
32	5MC	2a	967	32	19,22,23	0.90	0	26,32,35	1.32	4 (15%)
54	PSU	2x	55	54,56	18,21,22	1.54	3 (16%)	21,30,33	1.65	5 (23%)
32	5MC	1a	1404	32	19,22,23	0.95	1 (5%)	26,32,35	1.19	4 (15%)
54	5MC	2x	32	54	19,22,23	1.09	3 (15%)	26,32,35	1.22	4 (15%)
54	PSU	1x	55	54	18,21,22	1.53	3 (16%)	21,30,33	1.60	1 (4%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	5MU	2A	1915	1	19,22,23	1.26	2 (10%)	27,32,35	1.37	4 (14%)
32	7MG	2a	527	32	23,26,27	2.34	7 (30%)	27,39,42	1.99	9 (33%)
1	OMC	1A	1942	1	19,22,23	2.44	7 (36%)	25,31,34	0.94	1 (4%)
32	MA6	2a	1519	32	19,26,27	1.65	3 (15%)	18,38,41	4.86	4 (22%)
1	5MC	1A	1964	1,56	19,22,23	1.15	2 (10%)	26,32,35	1.30	3 (11%)
32	MA6	2a	1518	32	19,26,27	1.66	3 (15%)	18,38,41	4.81	4 (22%)
32	5MC	2a	1400	32	19,22,23	1.06	1 (5%)	26,32,35	1.27	4 (15%)
1	PSU	2A	2605	1	18,21,22	1.01	2 (11%)	21,30,33	1.64	5 (23%)
1	5MU	1A	1961	1	19,22,23	0.69	0	27,32,35	1.14	2 (7%)
1	OMG	2A	2251	54,1	19,26,27	1.83	6 (31%)	21,38,41	1.52	4 (19%)
1	OMU	1A	2564	1,56	19,22,23	6.83	10 (52%)	25,31,34	2.51	7 (28%)
1	5MC	2A	1962	1,56	19,22,23	1.12	2 (10%)	26,32,35	1.14	3 (11%)
54	5MU	2x	54	54	19,22,23	0.97	2 (10%)	27,32,35	1.09	2 (7%)
1	PSU	1A	1939	1,56	18,21,22	1.42	3 (16%)	21,30,33	1.63	3 (14%)
32	5MC	1a	1407	32	19,22,23	1.06	1 (5%)	26,32,35	1.33	5 (19%)
43	0TD	1l	92	43	8,9,10	3.52	3 (37%)	6,11,13	2.87	4 (66%)
1	PSU	1A	2617	1	18,21,22	1.17	1 (5%)	21,30,33	1.62	4 (19%)
54	4SU	2x	8	54	18,21,22	1.30	3 (16%)	25,30,33	1.08	1 (4%)

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
32	M2G	1a	966	32	-	0/7/29/30	0/3/3/3
1	2MA	2A	2503	1,56	-	2/3/25/26	0/3/3/3
1	OMG	1A	2263	54,1	-	2/5/27/28	0/3/3/3
1	OMU	2A	2552	1,56	-	1/9/27/28	0/2/2/2
54	5MC	1x	32	54	-	0/7/25/26	0/2/2/2
32	5MC	1a	1400	32	-	1/7/25/26	0/2/2/2
32	4OC	2a	1402	32	-	2/9/29/30	0/2/2/2
54	5MU	1x	54	54	-	0/7/25/26	0/2/2/2
32	5MC	1a	967	32	-	2/7/25/26	0/2/2/2
54	4SU	1x	8	54	-	0/7/25/26	0/2/2/2
1	PSU	1A	1933	1	-	0/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	5/7/12/14	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	PSU	1a	516	32	-	1/7/25/26	0/2/2/2
1	OMC	2A	1920	1	-	0/9/27/28	0/2/2/2
32	2MG	1a	1207	32	-	0/5/27/28	0/3/3/3
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
1	5MU	1A	1937	1	-	2/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
1	5MC	1A	1984	1,56	-	0/7/25/26	0/2/2/2
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	2/9/29/30	0/2/2/2
32	M2G	2a	966	32	-	0/7/29/30	0/3/3/3
32	7MG	1a	527	32,56	-	2/7/37/38	0/3/3/3
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
32	PSU	2a	516	32	-	1/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/5/27/28	0/3/3/3
1	2MA	1A	2515	1,56	-	1/3/25/26	0/3/3/3
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
32	MA6	1a	1518	32	-	0/7/29/30	0/3/3/3
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	4/7/29/30	0/3/3/3
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
54	PSU	2x	55	54,56	-	0/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
54	5MC	2x	32	54	-	0/7/25/26	0/2/2/2
54	PSU	1x	55	54	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	5/7/25/26	0/2/2/2
32	7MG	2a	527	32	-	2/7/37/38	0/3/3/3
1	OMC	1A	1942	1	-	1/9/27/28	0/2/2/2
32	MA6	2a	1519	32	-	3/7/29/30	0/3/3/3
1	5MC	1A	1964	1,56	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/7/29/30	0/3/3/3
32	5MC	2a	1400	32	-	2/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
1	5MU	1A	1961	1	-	0/7/25/26	0/2/2/2
1	OMG	2A	2251	54,1	-	1/5/27/28	0/3/3/3
1	OMU	1A	2564	1,56	-	0/9/27/28	0/2/2/2
1	5MC	2A	1962	1,56	-	0/7/25/26	0/2/2/2
54	5MU	2x	54	54	-	0/7/25/26	0/2/2/2
1	PSU	1A	1939	1,56	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
43	0TD	1l	92	43	-	2/7/12/14	-
1	PSU	1A	2617	1	-	0/7/25/26	0/2/2/2
54	4SU	2x	8	54	-	0/7/25/26	0/2/2/2

All (192) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	2564	OMU	C5-C4	16.01	1.78	1.43
1	2A	2552	OMU	C5-C4	15.74	1.77	1.43
1	2A	2552	OMU	C4-N3	-15.40	1.12	1.38
1	1A	2564	OMU	C4-N3	-15.20	1.12	1.38
32	2a	966	M2G	C2-N3	10.52	1.45	1.30
1	2A	2552	OMU	C6-C5	-10.36	1.11	1.35
1	1A	2564	OMU	C6-C5	-10.28	1.11	1.35
32	1a	966	M2G	C2-N3	9.66	1.44	1.30
1	1A	2564	OMU	C3'-C2'	-8.75	1.33	1.53
1	1A	2564	OMU	C6-N1	8.68	1.58	1.38
1	2A	2552	OMU	C6-N1	8.60	1.58	1.38
1	2A	2552	OMU	C3'-C2'	-8.50	1.34	1.53
43	1l	92	0TD	CB-CA	-7.90	1.52	1.54
1	2A	2552	OMU	O4'-C1'	6.63	1.57	1.42
1	2A	2552	OMU	O4'-C4'	-6.41	1.30	1.45
1	1A	2564	OMU	O4'-C1'	6.33	1.56	1.42
1	1A	2564	OMU	O4'-C4'	-6.24	1.31	1.45
32	1a	1518	MA6	C6-C5	-6.22	1.35	1.44
1	2A	1920	OMC	C4-N4	5.78	1.47	1.33
1	1A	2515	2MA	C2-N1	5.69	1.43	1.34
1	2A	2503	2MA	C4-N3	5.63	1.44	1.35
32	2a	527	7MG	C5-N7	5.51	1.42	1.35
1	1A	1942	OMC	C4-N4	5.47	1.47	1.33
1	2A	2503	2MA	C2-N1	5.43	1.43	1.34
32	1a	527	7MG	C5-N7	5.39	1.42	1.35
1	1A	2564	OMU	C1'-N1	-5.36	1.32	1.47
32	2a	1498	UR3	C6-C5	5.29	1.47	1.35
1	2A	2552	OMU	C1'-N1	-5.21	1.32	1.47
32	1a	1498	UR3	C2-N1	5.21	1.45	1.38
32	1a	1402	4OC	C4-N4	5.11	1.46	1.36
32	2a	966	M2G	C2-N2	5.11	1.44	1.35
32	1a	1519	MA6	C6-C5	-5.09	1.37	1.44
1	1A	2515	2MA	C4-N3	5.09	1.43	1.35
32	2a	1402	4OC	C4-N4	5.09	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
54	1x	8	4SU	C4-S4	-5.01	1.59	1.68
32	1a	1498	UR3	C6-C5	5.01	1.46	1.35
1	2A	2503	2MA	C2-N3	4.97	1.42	1.34
32	2a	1519	MA6	C6-C5	-4.96	1.37	1.44
43	1l	92	0TD	CB-SB	-4.91	1.77	1.82
32	2a	1498	UR3	C2-N1	4.90	1.45	1.38
32	2a	1518	MA6	C6-C5	-4.87	1.37	1.44
1	1A	1942	OMC	C2-N3	4.86	1.46	1.36
32	1a	966	M2G	C2-N2	4.84	1.44	1.35
32	1a	1207	2MG	C2-N1	4.81	1.44	1.36
32	2a	527	7MG	C4-N3	4.80	1.45	1.34
1	1A	2515	2MA	C2-N3	4.75	1.42	1.34
1	2A	1920	OMC	C2-N3	4.73	1.45	1.36
32	2a	1402	4OC	C2-N3	4.72	1.45	1.36
1	1A	1942	OMC	C6-C5	4.69	1.45	1.35
32	2a	1207	2MG	C2-N1	4.68	1.44	1.36
32	1a	1207	2MG	C2-N2	4.60	1.43	1.33
1	2A	1920	OMC	C6-C5	4.56	1.45	1.35
32	2a	527	7MG	C2-N3	4.52	1.44	1.33
32	1a	1402	4OC	C6-C5	4.48	1.45	1.35
54	1x	55	PSU	C2-N1	4.45	1.42	1.36
32	1a	1402	4OC	C2-N3	4.38	1.45	1.36
32	1a	527	7MG	C4-N3	4.37	1.44	1.34
32	2a	1207	2MG	C2-N2	4.34	1.42	1.33
32	2a	1402	4OC	C4-N3	4.33	1.40	1.32
1	2A	2251	OMG	C2-N3	4.33	1.43	1.33
1	2A	1915	5MU	C2-N1	4.30	1.45	1.38
1	1A	2564	OMU	C3'-C4'	4.28	1.63	1.53
1	1A	1937	5MU	C2-N1	4.27	1.45	1.38
1	1A	1939	PSU	C2-N1	4.24	1.42	1.36
32	2a	966	M2G	C4-N3	4.22	1.47	1.37
32	1a	516	PSU	C2-N1	4.18	1.42	1.36
32	2a	516	PSU	C2-N1	4.18	1.42	1.36
32	1a	527	7MG	C2-N3	4.16	1.43	1.33
32	1a	1402	4OC	C4-N3	4.14	1.39	1.32
1	1A	2515	2MA	C6-N1	4.13	1.41	1.33
54	2x	55	PSU	C2-N1	4.09	1.42	1.36
43	2l	92	0TD	CB-SB	-4.07	1.78	1.82
32	1a	527	7MG	C8-N9	3.99	1.48	1.45
32	2a	527	7MG	C8-N9	3.98	1.48	1.45
32	2a	1402	4OC	C6-C5	3.92	1.44	1.35
1	2A	1917	PSU	C2-N1	3.92	1.41	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	2552	OMU	C3'-C4'	3.92	1.62	1.53
1	1A	2263	OMG	C2-N3	3.91	1.42	1.33
32	1a	1498	UR3	C2-N3	3.86	1.46	1.39
1	2A	2503	2MA	C6-N1	3.84	1.40	1.33
32	1a	966	M2G	C4-N3	3.74	1.46	1.37
32	2a	1498	UR3	C2-N3	3.70	1.46	1.39
1	1A	1942	OMC	C2-N1	3.65	1.47	1.40
1	2A	1920	OMC	C2-N1	3.63	1.47	1.40
1	2A	2251	OMG	C4-N3	3.63	1.46	1.37
32	2a	1402	4OC	C2-N1	3.53	1.47	1.40
32	2a	1519	MA6	C6-N6	3.49	1.45	1.37
32	2a	1402	4OC	C5-C4	3.49	1.48	1.41
1	1A	2617	PSU	C2-N1	3.47	1.41	1.36
1	2A	1911	PSU	C2-N1	3.43	1.41	1.36
32	2a	1518	MA6	C6-N6	3.39	1.45	1.37
32	1a	527	7MG	C5-C6	3.31	1.51	1.43
32	2a	527	7MG	C2-N2	3.27	1.41	1.34
32	2a	527	7MG	C5-C6	3.26	1.51	1.43
1	1A	2263	OMG	C5-C4	-3.26	1.35	1.43
32	1a	1519	MA6	C6-N6	3.22	1.44	1.37
32	1a	1402	4OC	C5-C4	3.22	1.48	1.41
32	1a	1207	2MG	C4-N3	3.22	1.45	1.37
54	2x	55	PSU	C4-N3	3.18	1.44	1.38
32	1a	1402	4OC	C2-N1	3.14	1.46	1.40
1	1A	2263	OMG	C4-N3	3.12	1.44	1.37
1	1A	1964	5MC	C5-C4	-3.12	1.41	1.44
32	1a	967	5MC	C2-N1	3.12	1.46	1.40
1	2A	1939	5MU	C2-N1	3.11	1.43	1.38
1	2A	1920	OMC	O2-C2	-3.09	1.18	1.23
1	2A	1942	5MC	C2-N1	3.06	1.46	1.40
43	2l	92	0TD	CB-CA	-3.04	1.53	1.54
54	2x	8	4SU	C2-N1	3.04	1.43	1.38
54	2x	8	4SU	C4-S4	-3.03	1.63	1.68
32	1a	1402	4OC	O2-C2	-3.01	1.18	1.23
1	2A	2251	OMG	C5-C4	-3.00	1.35	1.43
32	1a	966	M2G	C2-N1	2.99	1.43	1.36
32	2a	1207	2MG	C4-N3	2.99	1.44	1.37
32	2a	1402	4OC	O2-C2	-2.97	1.18	1.23
32	2a	1400	5MC	C2-N1	2.95	1.46	1.40
1	2A	2552	OMU	O2'-C2'	2.94	1.49	1.42
32	2a	1402	4OC	CM4-N4	-2.91	1.40	1.45
32	2a	1518	MA6	C2-N3	2.90	1.36	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	1920	OMC	C4-N3	2.87	1.40	1.34
32	1a	1518	MA6	C6-N6	2.87	1.44	1.37
32	1a	527	7MG	C2-N2	2.86	1.40	1.34
54	1x	55	PSU	C6-N1	2.86	1.41	1.36
54	2x	8	4SU	C2-N3	2.86	1.42	1.38
32	2a	966	M2G	C2-N1	2.85	1.43	1.36
1	1A	1942	OMC	C4-N3	2.80	1.40	1.34
1	2A	1911	PSU	C4-N3	2.79	1.44	1.38
1	1A	1933	PSU	C2-N1	2.79	1.40	1.36
32	2a	527	7MG	C2-N1	2.77	1.44	1.37
32	1a	1402	4OC	CM4-N4	-2.76	1.40	1.45
32	1a	1519	MA6	C2-N3	2.75	1.36	1.32
32	1a	966	M2G	C5-C4	-2.74	1.36	1.43
54	1x	55	PSU	C4-N3	2.73	1.44	1.38
54	2x	32	5MC	C2-N1	2.71	1.45	1.40
1	1A	2263	OMG	C6-N1	2.69	1.41	1.37
32	1a	1407	5MC	C2-N1	2.69	1.45	1.40
32	2a	966	M2G	C5-C4	-2.69	1.36	1.43
32	2a	1519	MA6	C2-N3	2.69	1.36	1.32
1	1A	1942	OMC	O2-C2	-2.67	1.18	1.23
32	1a	516	PSU	C6-N1	2.65	1.40	1.36
1	1A	1984	5MC	C2-N1	2.64	1.45	1.40
54	2x	54	5MU	C2-N1	2.63	1.42	1.38
54	2x	55	PSU	C6-N1	2.62	1.40	1.36
32	1a	516	PSU	O4'-C1'	-2.60	1.40	1.43
32	1a	1518	MA6	C2-N3	2.58	1.36	1.32
54	1x	32	5MC	C2-N1	2.55	1.45	1.40
1	1A	1939	PSU	C4-N3	2.55	1.43	1.38
1	1A	1942	OMC	C5-C4	2.54	1.48	1.42
32	2a	1407	5MC	C2-N1	2.53	1.45	1.40
1	2A	1962	5MC	C2-N3	2.50	1.41	1.36
1	1A	2263	OMG	C8-N7	2.49	1.38	1.34
1	1A	2564	OMU	O2'-C2'	2.47	1.48	1.42
32	2a	516	PSU	C6-N1	2.47	1.40	1.36
1	1A	1939	PSU	C6-N1	2.45	1.40	1.36
1	2A	1920	OMC	C5-C4	2.43	1.48	1.42
1	2A	1915	5MU	C2-N3	2.42	1.42	1.38
32	1a	967	5MC	C2-N3	2.42	1.41	1.36
54	1x	54	5MU	C2-N1	2.41	1.42	1.38
1	2A	1917	PSU	C6-N1	2.40	1.40	1.36
1	1A	1964	5MC	C2-N1	2.39	1.45	1.40
32	1a	527	7MG	C2-N1	2.38	1.43	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	2a	516	PSU	O4'-C1'	-2.36	1.40	1.43
54	2x	54	5MU	C2-N3	2.35	1.42	1.38
54	1x	32	5MC	C2-N3	2.31	1.40	1.36
1	2A	1962	5MC	C2-N1	2.30	1.44	1.40
32	2a	1207	2MG	CM2-N2	-2.30	1.41	1.45
1	2A	1939	5MU	C2-N3	2.30	1.42	1.38
1	1A	2263	OMG	C2-N1	2.28	1.43	1.37
32	2a	966	M2G	C5-C6	2.28	1.51	1.47
1	2A	1911	PSU	C6-N1	2.26	1.40	1.36
32	1a	966	M2G	C5-C6	2.23	1.51	1.47
1	1A	2263	OMG	C2-N2	2.21	1.39	1.34
1	2A	2605	PSU	C2-N1	2.20	1.39	1.36
43	1l	92	0TD	CA-N	-2.19	1.41	1.47
1	2A	2251	OMG	C6-N1	2.16	1.41	1.37
1	2A	2251	OMG	C8-N7	2.16	1.38	1.34
54	2x	32	5MC	C6-C5	2.15	1.38	1.34
1	2A	1917	PSU	C4-N3	2.14	1.42	1.38
32	2a	1407	5MC	C2-N3	2.13	1.40	1.36
32	1a	1207	2MG	CM2-N2	-2.12	1.41	1.45
32	1a	1207	2MG	C5-C4	-2.11	1.37	1.43
1	2A	2605	PSU	C4-N3	2.10	1.42	1.38
54	1x	32	5MC	C6-C5	2.09	1.38	1.34
1	2A	2251	OMG	C2-N2	2.08	1.39	1.34
1	1A	1933	PSU	C4-N3	2.08	1.42	1.38
32	1a	1404	5MC	C2-N3	2.08	1.40	1.36
32	2a	1498	UR3	C3U-N3	-2.06	1.43	1.47
32	2a	1404	5MC	C4-N4	2.06	1.39	1.34
32	2a	1207	2MG	C5-C4	-2.05	1.38	1.43
32	2a	1407	5MC	C6-C5	2.04	1.37	1.34
54	2x	32	5MC	C2-N3	2.02	1.40	1.36
1	1A	1984	5MC	C2-N3	2.01	1.40	1.36
32	1a	1400	5MC	C6-C5	2.00	1.37	1.34

All (223) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	1a	1519	MA6	N1-C6-N6	-18.90	95.00	116.83
32	2a	1519	MA6	N1-C6-N6	-18.59	95.36	116.83
32	2a	1518	MA6	N1-C6-N6	-18.08	95.95	116.83
32	1a	1518	MA6	N1-C6-N6	-17.30	96.85	116.83
1	1A	2515	2MA	C1'-N9-C4	10.03	144.26	126.64
1	2A	2503	2MA	C1'-N9-C4	9.44	143.23	126.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	1a	516	PSU	C6-C5-C4	8.48	123.89	118.17
1	1A	2564	OMU	C5-C4-N3	7.69	125.58	114.80
1	2A	2552	OMU	C5-C4-N3	7.52	125.33	114.80
32	2a	516	PSU	C6-C5-C4	6.58	122.61	118.17
32	2a	1518	MA6	N3-C2-N1	-6.17	120.29	128.67
32	1a	1518	MA6	C1'-N9-C4	-6.07	115.98	126.64
32	2a	1519	MA6	N3-C2-N1	-6.05	120.47	128.67
32	1a	1518	MA6	N3-C2-N1	-5.99	120.55	128.67
32	1a	1519	MA6	N3-C2-N1	-5.97	120.58	128.67
1	1A	2564	OMU	C4-N3-C2	-5.94	119.24	126.61
32	1a	1519	MA6	C1'-N9-C4	-5.85	116.37	126.64
32	2a	1518	MA6	C1'-N9-C4	-5.79	116.47	126.64
32	1a	1498	UR3	C4-N3-C2	-5.77	119.94	124.58
1	2A	2552	OMU	C4-N3-C2	-5.60	119.66	126.61
1	1A	1933	PSU	C6-C5-C4	5.29	121.75	118.17
32	2a	1402	4OC	CM4-N4-C4	-5.22	112.25	122.45
54	1x	55	PSU	C6-C5-C4	5.17	121.66	118.17
32	2a	1519	MA6	C1'-N9-C4	-5.16	117.58	126.64
1	2A	1911	PSU	C6-C5-C4	5.10	121.61	118.17
1	1A	1939	PSU	C6-C5-C4	5.01	121.55	118.17
32	2a	1498	UR3	C4-N3-C2	-4.94	120.61	124.58
32	1a	527	7MG	C5-C6-N1	4.83	119.44	110.94
1	1A	2515	2MA	CM2-C2-N1	4.82	124.35	117.13
32	2a	527	7MG	C5-C6-N1	4.73	119.26	110.94
43	2l	92	0TD	OD2-CG-CB	4.73	123.36	113.15
54	2x	55	PSU	C6-C5-C4	4.64	121.31	118.17
1	2A	2605	PSU	C6-C5-C4	4.59	121.27	118.17
1	2A	1917	PSU	C6-C5-C4	4.58	121.27	118.17
1	1A	2617	PSU	C6-C5-C4	4.41	121.15	118.17
32	1a	527	7MG	C2-N3-C4	4.40	119.88	112.30
32	2a	527	7MG	C2-N3-C4	4.30	119.70	112.30
1	1A	2515	2MA	C2-N3-C4	4.15	118.81	115.46
32	1a	527	7MG	C5-C4-N9	3.99	111.44	106.33
43	1l	92	0TD	OD2-CG-CB	3.89	121.54	113.15
1	1A	2564	OMU	N3-C2-N1	3.83	119.87	114.89
43	1l	92	0TD	CSB-SB-CB	3.77	109.13	102.36
32	1a	516	PSU	C6-N1-C2	-3.76	119.20	122.69
1	2A	2552	OMU	N3-C2-N1	3.72	119.74	114.89
1	1A	1984	5MC	C5-C4-N3	3.71	125.56	121.75
1	2A	1939	5MU	C6-C5-C4	3.65	121.03	118.02
1	1A	2263	OMG	C8-N7-C5	3.62	108.71	102.55
32	1a	527	7MG	C5-C4-N3	-3.62	121.34	128.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	1a	1498	UR3	C5-C4-N3	3.60	119.78	115.04
32	2a	967	5MC	C5-C4-N3	3.59	125.44	121.75
1	1A	1964	5MC	C5-C4-N3	3.57	125.41	121.75
32	1a	516	PSU	N1-C2-N3	3.56	118.93	115.17
32	2a	1400	5MC	C5-C4-N3	3.51	125.36	121.75
32	2a	527	7MG	C5-C4-N3	-3.50	121.56	128.13
32	1a	967	5MC	C5-C4-N3	3.49	125.34	121.75
32	2a	1518	MA6	C2-N1-C6	3.48	120.25	116.84
32	1a	1207	2MG	C8-N7-C5	3.43	108.38	102.55
1	2A	2251	OMG	C5-C6-N1	3.38	120.52	114.07
1	1A	2515	2MA	N3-C2-N1	-3.37	119.86	125.77
32	2a	1519	MA6	C2-N1-C6	3.37	120.14	116.84
32	1a	1400	5MC	C5-C4-N3	3.36	125.20	121.75
1	2A	2503	2MA	CM2-C2-N1	3.33	122.11	117.13
32	1a	1518	MA6	C2-N1-C6	3.33	120.10	116.84
32	2a	527	7MG	C5-C4-N9	3.32	110.59	106.33
1	2A	1942	5MC	C5-C4-N3	3.32	125.16	121.75
32	1a	1519	MA6	C2-N1-C6	3.31	120.09	116.84
32	1a	1498	UR3	C1'-N1-C2	3.29	122.43	117.04
54	2x	54	5MU	C6-C5-C4	3.29	120.73	118.02
32	2a	1207	2MG	C8-N7-C5	3.28	108.13	102.55
1	2A	1915	5MU	C6-C5-C4	3.26	120.71	118.02
1	1A	1937	5MU	C6-C5-C4	3.25	120.70	118.02
32	2a	966	M2G	C8-N7-C5	3.25	108.08	102.55
1	2A	2552	OMU	C6-C5-C4	-3.25	115.39	119.53
54	2x	32	5MC	C5-C4-N3	3.24	125.08	121.75
32	2a	527	7MG	C4-C5-N7	3.24	109.21	105.38
32	2a	967	5MC	C5-C6-N1	-3.23	119.81	123.31
1	1A	2564	OMU	O4-C4-C5	-3.23	119.59	125.16
1	2A	1939	5MU	C4-N3-C2	-3.23	123.11	127.34
1	2A	2251	OMG	C8-N7-C5	3.20	108.00	102.55
32	2a	1498	UR3	C5-C4-N3	3.20	119.25	115.04
1	1A	1933	PSU	O2-C2-N1	-3.19	119.50	122.79
32	1a	1407	5MC	C5-C4-N3	3.18	125.02	121.75
32	1a	1400	5MC	C5-C6-N1	-3.17	119.87	123.31
54	1x	8	4SU	C4-N3-C2	-3.17	124.28	127.31
32	1a	1404	5MC	C5-C4-N3	3.16	125.00	121.75
54	1x	32	5MC	C5-C6-N1	-3.15	119.89	123.31
32	2a	1404	5MC	C5-C6-N1	-3.15	119.89	123.31
32	2a	966	M2G	C5-C6-N1	3.15	120.08	114.07
1	2A	2503	2MA	C2-N3-C4	3.14	118.00	115.46
1	2A	2251	OMG	C2-N1-C6	-3.11	119.42	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
43	2l	92	0TD	CSB-SB-CB	3.10	107.94	102.36
1	2A	2552	OMU	O4-C4-C5	-3.10	119.82	125.16
1	1A	1964	5MC	C5-C6-N1	-3.08	119.97	123.31
54	1x	32	5MC	C5-C4-N3	3.08	124.91	121.75
1	2A	1962	5MC	C5-C4-N3	3.07	124.91	121.75
1	1A	2564	OMU	O4-C4-N3	-3.07	114.83	119.27
54	1x	32	5MC	C4-N3-C2	-3.06	116.56	120.81
32	1a	1407	5MC	C5-C6-N1	-3.05	120.00	123.31
1	2A	2552	OMU	O4-C4-N3	-3.05	114.85	119.27
54	1x	54	5MU	C6-C5-C4	3.04	120.53	118.02
1	1A	1961	5MU	C4-N3-C2	-3.04	123.36	127.34
32	2a	516	PSU	N1-C2-N3	3.04	118.37	115.17
32	2a	1402	4OC	C5-C4-N4	-3.04	115.72	122.40
54	2x	8	4SU	C6-C5-C4	3.04	122.58	119.95
43	1l	92	0TD	CB-CA-N	-3.03	102.96	109.10
1	1A	2564	OMU	C6-C5-C4	-3.01	115.69	119.53
1	1A	1937	5MU	C4-N3-C2	-3.00	123.41	127.34
1	2A	2503	2MA	N3-C2-N1	-3.00	120.52	125.77
32	1a	966	M2G	C8-N7-C5	3.00	107.65	102.55
32	1a	527	7MG	C4-C5-N7	2.98	108.89	105.38
1	1A	1984	5MC	C5-C6-N1	-2.95	120.11	123.31
1	1A	2263	OMG	C5-C6-N1	2.95	119.69	114.07
32	1a	1207	2MG	C5-C6-N1	2.88	119.57	114.07
32	2a	1404	5MC	C5-C4-N3	2.87	124.70	121.75
32	2a	1498	UR3	C6-N1-C2	-2.87	119.45	121.80
32	1a	1207	2MG	N1-C2-N2	2.87	119.49	116.56
32	2a	1407	5MC	C5-C4-N3	2.86	124.69	121.75
32	2a	1400	5MC	C5-C6-N1	-2.86	120.20	123.31
54	2x	55	PSU	O2-C2-N1	-2.86	119.84	122.79
1	2A	1911	PSU	O2-C2-N1	-2.85	119.84	122.79
1	1A	1964	5MC	C4-N3-C2	-2.85	116.85	120.81
1	2A	2605	PSU	O2-C2-N1	-2.83	119.87	122.79
1	2A	1942	5MC	C4-N3-C2	-2.83	116.88	120.81
1	1A	1984	5MC	C4-N3-C2	-2.81	116.90	120.81
54	2x	54	5MU	C4-N3-C2	-2.81	123.66	127.34
32	2a	1207	2MG	N1-C2-N2	2.80	119.42	116.56
43	2l	92	0TD	OD2-CG-OD1	-2.79	117.75	124.08
54	2x	32	5MC	C5-C6-N1	-2.78	120.29	123.31
32	1a	966	M2G	C5-C6-N1	2.78	119.38	114.07
1	2A	1942	5MC	C5-C6-N1	-2.78	120.30	123.31
32	2a	1498	UR3	C1'-N1-C2	2.75	121.53	117.04
1	1A	2263	OMG	C2-N1-C6	-2.74	120.10	125.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	2a	1400	5MC	C4-N3-C2	-2.73	117.01	120.81
54	1x	54	5MU	C4-N3-C2	-2.73	123.76	127.34
32	2a	1407	5MC	C5-C6-N1	-2.72	120.36	123.31
32	1a	1404	5MC	C5-C6-N1	-2.72	120.36	123.31
1	1A	2263	OMG	N2-C2-N1	2.71	122.48	116.76
1	2A	2251	OMG	O6-C6-C5	-2.70	118.97	124.32
1	1A	1937	5MU	C1'-N1-C2	2.69	122.42	117.59
1	1A	2617	PSU	O4-C4-N3	-2.69	115.06	120.11
32	2a	967	5MC	C4-N3-C2	-2.68	117.09	120.81
32	2a	1404	5MC	C4-N3-C2	-2.67	117.10	120.81
32	1a	967	5MC	C4-N3-C2	-2.66	117.11	120.81
54	2x	32	5MC	C4-N3-C2	-2.66	117.12	120.81
32	1a	1400	5MC	C4-N3-C2	-2.65	117.12	120.81
32	1a	1407	5MC	C4-N3-C2	-2.64	117.15	120.81
32	1a	967	5MC	C5-C6-N1	-2.63	120.45	123.31
1	2A	1915	5MU	C4-N3-C2	-2.62	123.90	127.34
1	1A	1961	5MU	C6-C5-C4	2.60	120.16	118.02
1	2A	1917	PSU	O2-C2-N1	-2.58	120.13	122.79
32	1a	1402	4OC	CM4-N4-C4	-2.54	117.48	122.45
32	1a	1402	4OC	CM2-O2'-C2'	2.53	120.98	114.47
1	2A	2552	OMU	O2-C2-N1	-2.53	119.50	122.80
1	2A	1962	5MC	C5-C6-N1	-2.52	120.57	123.31
32	2a	516	PSU	O4'-C1'-C2'	2.52	108.64	105.15
32	2a	1207	2MG	C5-C6-N1	2.52	118.88	114.07
32	2a	516	PSU	C6-N1-C2	-2.50	120.37	122.69
32	1a	1407	5MC	N4-C4-N3	-2.49	114.00	118.51
1	2A	1917	PSU	O4-C4-N3	-2.49	115.44	120.11
32	1a	516	PSU	O4'-C1'-C2'	2.48	108.58	105.15
32	2a	1402	4OC	C6-C5-C4	2.47	119.97	117.00
1	2A	1962	5MC	C4-N3-C2	-2.44	117.41	120.81
32	1a	527	7MG	N9-C8-N7	2.43	106.82	103.37
32	1a	1404	5MC	C4-N3-C2	-2.42	117.45	120.81
1	2A	1915	5MU	C1'-N1-C2	2.40	121.91	117.59
1	1A	1937	5MU	C1'-N1-C6	-2.37	117.24	121.15
32	2a	1404	5MC	CM5-C5-C6	-2.37	119.64	122.85
32	1a	527	7MG	C2-N1-C6	-2.35	120.84	125.11
32	1a	527	7MG	C6-C5-C4	-2.35	118.27	122.40
32	1a	516	PSU	C5-C6-N1	-2.34	118.89	122.14
32	2a	1407	5MC	C4-N3-C2	-2.34	117.56	120.81
1	1A	2564	OMU	O2-C2-N1	-2.34	119.75	122.80
1	1A	1939	PSU	O2-C2-N1	-2.33	120.39	122.79
32	2a	966	M2G	C2-N1-C6	-2.32	119.20	123.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
43	1l	92	0TD	OD2-CG-OD1	-2.32	118.82	124.08
43	2l	92	0TD	CB-CA-N	-2.31	104.42	109.10
1	2A	1920	OMC	O2-C2-N3	-2.29	118.71	122.33
1	2A	1942	5MC	CM5-C5-C6	-2.29	119.75	122.85
54	2x	55	PSU	O4-C4-N3	-2.27	115.84	120.11
1	1A	1984	5MC	N4-C4-N3	-2.26	114.42	118.51
32	2a	516	PSU	O4-C4-N3	-2.25	115.88	120.11
32	1a	966	M2G	C2-N1-C6	-2.25	119.34	123.99
1	1A	2617	PSU	O2-C2-N1	-2.23	120.49	122.79
32	2a	1404	5MC	N4-C4-N3	-2.22	114.48	118.51
32	2a	527	7MG	O6-C6-C5	-2.22	122.17	127.62
32	2a	527	7MG	C6-C5-C4	-2.21	118.52	122.40
32	2a	967	5MC	N4-C4-N3	-2.21	114.51	118.51
1	1A	1933	PSU	N1-C2-N3	2.20	117.49	115.17
32	1a	1404	5MC	N4-C4-N3	-2.19	114.53	118.51
32	1a	527	7MG	N2-C2-N1	2.19	121.39	116.76
1	1A	2617	PSU	C4-N3-C2	-2.18	123.36	126.37
54	2x	55	PSU	C4-N3-C2	-2.18	123.36	126.37
32	1a	1207	2MG	O3'-C3'-C2'	2.16	118.75	111.82
32	1a	516	PSU	O4-C4-N3	-2.15	116.07	120.11
32	1a	1498	UR3	C3U-N3-C4	2.13	120.83	117.87
1	1A	1942	OMC	O2-C2-N3	-2.13	118.97	122.33
1	1A	1939	PSU	O4-C4-N3	-2.13	116.11	120.11
1	2A	2605	PSU	O4-C4-N3	-2.13	116.11	120.11
32	1a	1400	5MC	N4-C4-N3	-2.12	114.66	118.51
32	1a	1407	5MC	CM5-C5-C6	-2.12	119.98	122.85
1	1A	1933	PSU	O4'-C1'-C2'	2.12	108.08	105.15
1	1A	1984	5MC	CM5-C5-C6	-2.12	119.99	122.85
32	2a	527	7MG	C2-N1-C6	-2.10	121.30	125.11
54	2x	32	5MC	N4-C4-N3	-2.10	114.71	118.51
1	1A	2263	OMG	O6-C6-C5	-2.09	120.18	124.32
1	1A	1933	PSU	C4-N3-C2	-2.09	123.50	126.37
1	2A	2605	PSU	N1-C2-N3	2.08	117.36	115.17
1	1A	1937	5MU	C5-C4-N3	2.08	117.13	115.32
32	1a	967	5MC	N4-C4-N3	-2.08	114.75	118.51
1	2A	1917	PSU	O4-C4-C5	2.07	129.16	124.01
1	2A	1915	5MU	O2-C2-N1	2.06	125.48	122.80
1	2A	1942	5MC	N4-C4-N3	-2.06	114.77	118.51
32	2a	1400	5MC	N4-C4-N3	-2.06	114.78	118.51
1	2A	1917	PSU	N1-C2-N3	2.06	117.34	115.17
32	1a	966	M2G	O6-C6-C5	-2.04	120.27	124.32
32	2a	516	PSU	C4-N3-C2	-2.04	123.56	126.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
54	2x	55	PSU	O4-C4-C5	2.04	129.06	124.01
1	2A	2605	PSU	O4-C4-C5	2.03	129.04	124.01
1	2A	1911	PSU	N1-C2-N3	2.02	117.30	115.17
32	2a	527	7MG	N2-C2-N1	2.02	121.02	116.76
1	2A	1911	PSU	O4'-C1'-C2'	2.02	107.94	105.15
32	1a	1498	UR3	O4-C4-C5	-2.01	118.64	124.35
1	2A	1917	PSU	C4-N3-C2	-2.01	123.61	126.37

There are no chirality outliers.

All (44) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	1A	1937	5MU	O4'-C1'-N1-C2
1	1A	1937	5MU	O4'-C1'-N1-C6
1	1A	2263	OMG	C1'-C2'-O2'-CM2
32	1a	967	5MC	O4'-C4'-C5'-O5'
32	1a	1402	4OC	O4'-C4'-C5'-O5'
32	1a	1519	MA6	C5-C6-N6-C10
1	2A	1915	5MU	O4'-C1'-N1-C2
1	2A	1915	5MU	O4'-C1'-N1-C6
1	2A	1915	5MU	C3'-C4'-C5'-O5'
1	2A	1915	5MU	O4'-C4'-C5'-O5'
32	2a	1402	4OC	O4'-C4'-C5'-O5'
43	2l	92	0TD	CA-CB-CG-OD2
43	2l	92	0TD	CA-CB-CG-OD1
43	2l	92	0TD	SB-CB-CG-OD2
32	1a	967	5MC	C3'-C4'-C5'-O5'
32	1a	1519	MA6	O4'-C4'-C5'-O5'
32	2a	527	7MG	C3'-C4'-C5'-O5'
32	1a	527	7MG	C3'-C4'-C5'-O5'
1	2A	2503	2MA	O4'-C4'-C5'-O5'
32	2a	527	7MG	O4'-C4'-C5'-O5'
32	2a	1519	MA6	O4'-C4'-C5'-O5'
32	1a	1402	4OC	C3'-C4'-C5'-O5'
32	2a	1402	4OC	C3'-C4'-C5'-O5'
32	1a	1519	MA6	C3'-C4'-C5'-O5'
1	2A	2503	2MA	C3'-C4'-C5'-O5'
32	2a	1400	5MC	O4'-C4'-C5'-O5'
32	1a	527	7MG	O4'-C4'-C5'-O5'
32	2a	1400	5MC	C3'-C4'-C5'-O5'
32	2a	1519	MA6	C3'-C4'-C5'-O5'
32	2a	1519	MA6	C5-C6-N6-C9

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Mol	Chain	Res	Type	Atoms
1	2A	2552	OMU	O4'-C4'-C5'-O5'
32	1a	1400	5MC	O4'-C4'-C5'-O5'
1	2A	1915	5MU	C4'-C5'-O5'-P
32	1a	516	PSU	O4'-C4'-C5'-O5'
43	2l	92	0TD	CA-CB-SB-CSB
1	2A	2251	OMG	C4'-C5'-O5'-P
32	2a	516	PSU	O4'-C4'-C5'-O5'
43	1l	92	0TD	CA-CB-CG-OD2
1	1A	1942	OMC	C2'-C1'-N1-C2
43	1l	92	0TD	CG-CB-SB-CSB
43	2l	92	0TD	CG-CB-SB-CSB
1	1A	2515	2MA	O4'-C4'-C5'-O5'
1	1A	2263	OMG	C4'-C5'-O5'-P
32	1a	1519	MA6	C4'-C5'-O5'-P

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 2719 ligands modelled in this entry, 2717 are monoatomic - leaving 2 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
58	SF4	2d	501	35	0,12,12	-	-	-		
58	SF4	1d	501	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
58	SF4	2d	501	35	-	-	0/6/5/5
58	SF4	1d	501	35	-	-	0/6/5/5

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

4.7 Other polymers [i](#)

There are no such residues in this entry.

4.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

5 Fit of model and data ⓘ

5.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ > 2	OWAB(Å ²)	Q < 0.9
1	1A	2861/2915 (98%)	0.09	212 (7%) 22 17	6, 22, 80, 93	0
1	2A	2856/2915 (97%)	0.63	265 (9%) 16 12	19, 41, 80, 92	0
2	1B	120/120 (100%)	0.30	2 (1%) 69 61	18, 35, 49, 69	0
2	2B	120/120 (100%)	1.35	20 (16%) 5 5	43, 60, 69, 73	0
3	1D	275/275 (100%)	-0.20	3 (1%) 77 71	7, 23, 36, 52	0
3	2D	275/275 (100%)	0.25	7 (2%) 58 49	19, 36, 47, 63	0
4	1E	204/204 (100%)	-0.10	3 (1%) 71 64	7, 29, 47, 56	0
4	2E	204/204 (100%)	0.25	2 (0%) 79 73	19, 41, 55, 63	0
5	1F	203/203 (100%)	-0.07	2 (0%) 79 73	7, 28, 53, 70	0
5	2F	203/203 (100%)	0.64	7 (3%) 48 40	24, 50, 63, 73	0
6	1G	181/181 (100%)	0.57	10 (5%) 32 25	28, 44, 55, 69	0
6	2G	181/181 (100%)	1.74	57 (31%) 1 1	56, 65, 74, 77	0
7	1H	174/174 (100%)	0.21	3 (1%) 69 61	23, 38, 49, 54	0
7	2H	173/174 (99%)	1.29	28 (16%) 5 5	50, 62, 69, 71	0
8	1I	147/147 (100%)	0.66	3 (2%) 64 56	31, 54, 66, 70	0
8	2I	146/147 (99%)	0.98	12 (8%) 19 14	39, 58, 68, 76	0
9	1N	140/140 (100%)	0.01	3 (2%) 63 55	14, 26, 44, 58	0
9	2N	140/140 (100%)	0.52	6 (4%) 40 32	28, 47, 59, 63	0
10	1O	122/122 (100%)	-0.12	0 100 100	14, 26, 41, 49	0
10	2O	122/122 (100%)	0.48	4 (3%) 49 41	30, 40, 51, 56	0
11	1P	149/149 (100%)	-0.01	2 (1%) 74 67	7, 32, 48, 64	0
11	2P	149/149 (100%)	0.92	15 (10%) 14 10	24, 50, 64, 71	0
12	1Q	141/141 (100%)	0.07	4 (2%) 55 46	14, 26, 42, 59	0
12	2Q	141/141 (100%)	0.80	5 (3%) 47 39	31, 47, 57, 65	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.15	1 (0%) 82 77	14, 22, 36, 47	0
13	2R	118/118 (100%)	0.36	2 (1%) 69 61	25, 37, 46, 55	0
14	1S	110/110 (100%)	0.18	0 100 100	24, 36, 45, 51	0
14	2S	110/110 (100%)	1.32	21 (19%) 4 4	46, 55, 62, 66	0
15	1T	131/131 (100%)	0.28	3 (2%) 61 52	20, 33, 52, 64	0
15	2T	131/131 (100%)	0.41	2 (1%) 71 64	36, 44, 59, 65	0
16	1U	116/116 (100%)	-0.34	0 100 100	9, 17, 35, 49	0
16	2U	116/116 (100%)	0.67	4 (3%) 48 40	26, 45, 55, 66	0
17	1V	101/101 (100%)	-0.08	1 (0%) 79 73	8, 29, 44, 54	0
17	2V	101/101 (100%)	0.76	5 (4%) 35 28	32, 51, 59, 67	0
18	1W	112/112 (100%)	-0.24	0 100 100	10, 17, 36, 66	0
18	2W	112/112 (100%)	0.36	6 (5%) 32 25	25, 34, 48, 60	0
19	1X	95/95 (100%)	0.03	2 (2%) 63 55	13, 24, 43, 59	0
19	2X	95/95 (100%)	0.64	5 (5%) 33 26	35, 44, 57, 60	0
20	1Y	107/107 (100%)	0.29	1 (0%) 81 75	24, 34, 49, 61	0
20	2Y	107/107 (100%)	1.21	15 (14%) 7 7	44, 54, 62, 73	0
21	1Z	203/203 (100%)	0.92	19 (9%) 15 12	28, 47, 62, 78	0
21	2Z	201/203 (99%)	1.34	28 (13%) 7 7	46, 60, 68, 71	0
22	10	77/77 (100%)	0.34	3 (3%) 44 36	17, 23, 37, 41	0
22	20	77/77 (100%)	1.02	6 (7%) 20 16	39, 45, 54, 63	0
23	11	97/97 (100%)	0.43	5 (5%) 34 26	11, 31, 54, 58	0
23	21	97/97 (100%)	0.65	7 (7%) 23 17	28, 40, 58, 64	0
24	12	70/70 (100%)	0.24	4 (5%) 30 24	24, 34, 46, 56	0
24	22	70/70 (100%)	0.98	5 (7%) 23 18	42, 53, 63, 64	0
25	13	59/59 (100%)	0.09	0 100 100	15, 26, 49, 59	0
25	23	59/59 (100%)	0.58	2 (3%) 48 40	37, 46, 57, 63	0
26	14	69/69 (100%)	1.29	13 (18%) 4 4	35, 60, 72, 81	0
26	24	69/69 (100%)	1.95	28 (40%) 1 1	64, 72, 81, 84	0
27	15	59/59 (100%)	-0.07	2 (3%) 48 40	8, 23, 42, 51	0
27	25	59/59 (100%)	0.36	4 (6%) 25 19	23, 38, 52, 58	0
28	16	53/53 (100%)	-0.06	0 100 100	24, 29, 41, 50	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/53 (100%)	0.57	1 (1%) 66 58	34, 47, 56, 58	0
29	17	48/48 (100%)	-0.02	3 (6%) 27 21	8, 13, 34, 42	0
29	27	48/48 (100%)	0.40	4 (8%) 19 14	21, 28, 44, 58	0
30	18	64/64 (100%)	-0.22	0 100 100	15, 20, 28, 37	0
30	28	64/64 (100%)	0.84	8 (12%) 9 8	31, 39, 49, 54	0
31	19	37/37 (100%)	0.03	0 100 100	19, 28, 43, 49	0
31	29	37/37 (100%)	0.96	1 (2%) 56 47	39, 47, 54, 57	0
32	1a	1488/1520 (97%)	0.96	155 (10%) 13 10	20, 53, 76, 91	0
32	2a	1492/1520 (98%)	1.17	208 (13%) 7 7	32, 59, 77, 90	0
33	1b	231/231 (100%)	1.32	39 (16%) 5 5	50, 60, 69, 74	0
33	2b	231/231 (100%)	1.62	62 (26%) 2 2	54, 66, 71, 81	0
34	1c	206/206 (100%)	0.98	13 (6%) 27 21	47, 57, 66, 69	0
34	2c	206/206 (100%)	1.59	60 (29%) 1 2	53, 65, 71, 74	0
35	1d	208/208 (100%)	1.19	29 (13%) 7 7	41, 56, 67, 70	0
35	2d	208/208 (100%)	1.22	24 (11%) 11 9	48, 57, 64, 69	0
36	1e	148/148 (100%)	0.67	6 (4%) 42 34	33, 49, 58, 69	0
36	2e	148/148 (100%)	1.10	13 (8%) 17 13	48, 56, 63, 76	0
37	1f	100/100 (100%)	0.84	4 (4%) 43 35	46, 53, 60, 64	0
37	2f	100/100 (100%)	0.86	7 (7%) 24 18	38, 54, 62, 67	0
38	1g	155/155 (100%)	1.04	17 (10%) 12 9	47, 55, 69, 76	0
38	2g	155/155 (100%)	1.26	22 (14%) 7 6	53, 62, 71, 80	0
39	1h	137/137 (100%)	1.03	16 (11%) 10 9	40, 51, 58, 65	0
39	2h	137/137 (100%)	1.17	15 (10%) 12 9	46, 56, 62, 65	0
40	1i	127/127 (100%)	1.44	27 (21%) 3 3	40, 61, 68, 72	0
40	2i	126/127 (99%)	2.03	61 (48%) 0 1	55, 65, 72, 79	0
41	1j	97/97 (100%)	1.52	25 (25%) 2 2	44, 61, 73, 78	0
41	2j	96/97 (98%)	1.79	35 (36%) 1 1	52, 66, 72, 74	0
42	1k	114/114 (100%)	0.79	8 (7%) 24 18	29, 50, 61, 65	0
42	2k	114/114 (100%)	1.09	13 (11%) 11 9	45, 57, 64, 68	0
43	1l	121/122 (99%)	0.81	11 (9%) 16 12	32, 43, 56, 61	0
43	2l	121/122 (99%)	0.87	8 (6%) 26 19	41, 52, 60, 63	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	116/116 (100%)	1.10	13 (11%) 11 9	45, 55, 64, 67	0
44	2m	114/116 (98%)	1.76	42 (36%) 1 1	56, 65, 72, 76	0
45	1n	60/60 (100%)	1.26	10 (16%) 5 5	47, 53, 59, 62	0
45	2n	60/60 (100%)	2.06	26 (43%) 1 1	58, 64, 69, 72	0
46	1o	88/88 (100%)	0.66	4 (4%) 39 31	36, 46, 58, 65	0
46	2o	88/88 (100%)	0.76	3 (3%) 48 40	45, 52, 61, 69	0
47	1p	82/82 (100%)	1.29	8 (9%) 14 11	43, 55, 62, 64	0
47	2p	82/82 (100%)	1.23	11 (13%) 8 7	46, 54, 61, 68	0
48	1q	99/99 (100%)	0.93	6 (6%) 28 21	36, 51, 61, 65	0
48	2q	99/99 (100%)	0.93	7 (7%) 23 18	43, 53, 60, 65	0
49	1r	68/68 (100%)	0.94	3 (4%) 39 32	43, 52, 62, 69	0
49	2r	68/68 (100%)	0.98	7 (10%) 13 10	48, 55, 64, 67	0
50	1s	83/83 (100%)	1.31	12 (14%) 7 6	50, 60, 67, 73	0
50	2s	83/83 (100%)	1.76	24 (28%) 1 2	55, 67, 75, 77	0
51	1t	96/98 (97%)	1.40	26 (27%) 2 2	45, 56, 64, 68	0
51	2t	98/98 (100%)	1.03	8 (8%) 19 14	46, 53, 64, 68	0
52	1u	23/23 (100%)	1.44	6 (26%) 2 2	48, 52, 57, 58	0
52	2u	23/23 (100%)	2.20	11 (47%) 0 1	58, 62, 67, 68	0
53	1v	3/3 (100%)	0.70	0 100 100	37, 37, 39, 40	0
53	2v	3/3 (100%)	1.09	1 (33%) 1 1	53, 53, 57, 62	0
54	1x	72/76 (94%)	0.43	2 (2%) 55 46	15, 41, 61, 71	0
54	2x	72/76 (94%)	1.07	9 (12%) 9 8	32, 57, 68, 75	0
55	1y	16/16 (100%)	-0.03	1 (6%) 27 21	14, 20, 32, 39	0
55	2y	16/16 (100%)	0.31	0 100 100	28, 33, 48, 48	0
All	All	20755/20948 (99%)	0.70	2004 (9%) 15 11	6, 47, 71, 93	0

All (2004) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	1A	1133	G	14.9
21	1Z	192	ALA	12.0
1	1A	1135	G	11.6
21	1Z	193	GLU	11.3
1	2A	2128	C	10.6

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Mol	Chain	Res	Type	RSRZ
1	1A	2139	A	10.3
1	2A	2147	G	10.3
1	1A	1149	A	10.1
1	1A	1150	C	9.3
1	2A	2112	G	9.1
1	2A	2127	G	8.9
1	1A	2155	G	8.8
1	1A	2149	G	8.4
1	2A	2123	G	8.2
1	2A	2124	G	8.1
1	2A	2119	A	8.0
1	1A	1121	C	8.0
1	1A	2152	U	7.9
1	1A	1137	G	7.9
38	1g	83	ALA	7.8
1	2A	2118	U	7.7
1	2A	2107	C	7.7
20	2Y	1	MET	7.6
1	1A	1123	A	7.4
21	2Z	193	GLU	7.3
21	1Z	202	GLU	7.3
1	1A	1132	A	7.3
1	1A	2154	U	7.2
21	1Z	194	PRO	7.1
1	1A	2180	A	7.0
1	2A	2159	G	6.9
1	1A	2150	C	6.9
1	1A	1134	A	6.9
1	1A	1112	U	6.8
1	1A	1139	G	6.8
1	1A	2169	G	6.8
1	1A	1118	C	6.8
1	2A	2148	G	6.7
1	1A	1120	G	6.6
1	1A	2145	G	6.6
1	1A	2153	G	6.6
1	2A	1076	C	6.6
1	1A	1151	U	6.6
21	1Z	191	VAL	6.5
21	2Z	192	ALA	6.5
21	1Z	195	GLU	6.4
1	1A	1138	C	6.4

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Mol	Chain	Res	Type	RSRZ
1	1A	2142	G	6.4
1	1A	2179	G	6.4
1	2A	2111	C	6.4
1	1A	1117	G	6.4
1	1A	2178	G	6.3
1	2A	2179	C	6.3
1	1A	1113	A	6.3
1	2A	2117	A	6.3
1	1A	2130	C	6.3
21	1Z	203	GLU	6.3
1	1A	1110	C	6.3
21	1Z	197	ILE	6.3
1	1A	2141	A	6.2
32	2a	1002	G	6.2
1	2A	2173	A	6.2
1	1A	2151	C	6.1
1	2A	2110	G	6.1
22	10	8	GLY	6.1
1	2A	2120	G	6.1
1	2A	2174	C	6.1
1	1A	1136	U	6.0
1	2A	2106	G	6.0
1	2A	2168	G	6.0
32	2a	1030(A)	G	6.0
1	2A	1075	C	5.9
1	1A	1148	C	5.9
32	1a	1030	C	5.9
1	2A	2108	C	5.8
1	1A	1124	U	5.8
1	2A	2129	C	5.8
1	2A	2162	G	5.8
1	1A	2140	U	5.7
39	1h	117	GLY	5.7
1	1A	1109	G	5.7
1	1A	2134	G	5.7
43	1l	29	GLY	5.7
1	1A	2171	G	5.7
1	2A	2133	G	5.6
1	2A	2172	U	5.6
21	2Z	194	PRO	5.6
1	1A	1101	G	5.6
1	1A	1114	G	5.6

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Mol	Chain	Res	Type	RSRZ
1	1A	2146	G	5.6
33	1b	232	PRO	5.6
1	1A	1103	A	5.5
1	2A	1067	A	5.5
1	1A	2181	G	5.4
32	2a	1003	G	5.4
1	1A	2128	G	5.4
50	2s	35	SER	5.4
1	1A	2806	G	5.4
44	2m	6	GLY	5.4
1	1A	1122	C	5.4
1	1A	2807	C	5.4
32	1a	1027	C	5.4
32	2a	1249	C	5.4
1	1A	1104	G	5.3
1	2A	2157	G	5.3
1	1A	2194	U	5.3
1	2A	2169	A	5.3
1	2A	2105	C	5.3
1	1A	2170	G	5.2
1	1A	1108	G	5.2
1	2A	2152	G	5.2
45	1n	2	ALA	5.1
1	1A	1111	U	5.1
35	2d	44	GLY	5.1
45	2n	2	ALA	5.1
1	1A	1146	C	5.1
1	2A	2125	G	5.1
1	1A	1147	U	5.0
6	2G	76	SER	5.0
21	2Z	201	LYS	5.0
1	1A	1126	C	5.0
1	1A	2148	A	5.0
1	1A	2159	C	5.0
32	2a	1027	C	5.0
1	2A	2151	G	5.0
1	2A	2132	U	5.0
26	24	56	VAL	4.9
1	2A	1095	A	4.9
1	1A	2129	C	4.9
1	1A	2198	A	4.9
1	1A	2147	G	4.9

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Mol	Chain	Res	Type	RSRZ
1	1A	2177	G	4.9
39	2h	56	LYS	4.9
1	2A	2137	C	4.8
1	2A	1089	G	4.8
32	2a	1001(A)	G	4.8
22	20	8	GLY	4.8
33	2b	232	PRO	4.8
1	2A	2178	C	4.8
1	1A	2191	A	4.8
21	1Z	200	GLY	4.8
38	2g	4	ARG	4.8
1	2A	1064	C	4.8
1	2A	2164	C	4.8
1	1A	1102	G	4.7
1	2A	2131	G	4.7
1	2A	2145	C	4.7
1	2A	1073	A	4.7
1	2A	2150	U	4.7
38	2g	83	ALA	4.7
1	1A	2126	G	4.7
1	2A	2136	C	4.7
23	11	26	ARG	4.7
1	2A	1087	G	4.7
1	2A	2163	C	4.7
1	2A	2130	U	4.7
38	2g	154	TYR	4.7
39	2h	55	GLY	4.6
21	2Z	195	GLU	4.6
1	2A	1536	C	4.6
1	1A	2131	U	4.6
40	2i	29	ASN	4.6
21	2Z	191	VAL	4.6
1	1A	936	C	4.6
1	2A	2155	G	4.6
1	2A	2134	A	4.6
1	2A	2158	A	4.6
1	2A	1467	C	4.6
35	1d	4	TYR	4.6
42	2k	90	GLY	4.6
1	1A	1131	A	4.5
1	2A	1099	G	4.5
32	1a	1031	G	4.5

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Mol	Chain	Res	Type	RSRZ
12	2Q	59	ARG	4.5
38	2g	84	ASN	4.5
1	1A	1127	U	4.5
15	1T	38	ASN	4.5
44	2m	66	LEU	4.5
1	1A	2183	C	4.5
32	1a	1028	C	4.5
1	1A	2173	G	4.4
34	1c	194	GLY	4.4
26	24	66	SER	4.4
38	2g	82	GLY	4.4
1	2A	2160	G	4.4
40	2i	126	SER	4.4
1	2A	2138	C	4.4
38	1g	81	GLY	4.4
26	24	67	TYR	4.4
32	2a	1026	G	4.4
9	1N	140	VAL	4.4
1	2A	1509	C	4.4
1	2A	2146	C	4.4
1	1A	2144	U	4.4
26	14	50	VAL	4.3
1	1A	2195	A	4.3
50	2s	4	SER	4.3
52	2u	2	GLY	4.3
1	1A	2201	C	4.3
1	2A	279	C	4.3
33	2b	145	LEU	4.3
32	1a	1447	A	4.3
1	1A	2132	G	4.3
1	1A	2182	G	4.3
1	1A	932	C	4.3
32	2a	1030	C	4.3
42	2k	25	TYR	4.3
43	2l	64	TYR	4.3
23	11	27	GLU	4.3
1	1A	2202	U	4.3
1	1A	2196	C	4.3
52	2u	14	TRP	4.3
21	1Z	196	VAL	4.2
1	2A	2121	G	4.2
1	1A	1130	A	4.2

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Mol	Chain	Res	Type	RSRZ
1	1A	2184	G	4.2
33	1b	188	ALA	4.2
51	1t	71	THR	4.2
1	1A	1119	A	4.2
38	2g	81	GLY	4.2
42	1k	56	GLY	4.2
18	2W	63	ASP	4.2
7	2H	95	ARG	4.2
1	2A	2802	G	4.2
21	1Z	198	LYS	4.2
32	1a	91	C	4.1
1	2A	2104	G	4.1
1	2A	2181	G	4.1
38	1g	84	ASN	4.1
1	1A	2156	A	4.1
6	2G	149	VAL	4.1
39	2h	116	LYS	4.1
23	2l	83	GLU	4.1
32	2a	932	C	4.1
38	1g	85	TYR	4.1
1	1A	2203	G	4.1
1	2A	2149	G	4.1
21	2Z	196	VAL	4.1
6	2G	81	LYS	4.1
40	1i	128	ARG	4.1
1	1A	933	C	4.1
1	1A	1099	C	4.1
1	1A	2158	C	4.1
1	2A	2189	U	4.1
1	1A	2190	G	4.1
1	2A	1056	G	4.1
1	2A	1058	G	4.1
1	2A	1533	G	4.1
32	1a	1024	G	4.1
32	2a	1032	G	4.1
32	2a	1286	A	4.1
45	2n	7	ILE	4.1
40	2i	62	TYR	4.1
1	2A	2103	C	4.1
51	1t	103	GLY	4.0
1	1A	2209	G	4.0
1	2A	2154	G	4.0

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Mol	Chain	Res	Type	RSRZ
1	2A	2113	U	4.0
1	2A	2122	U	4.0
1	1A	2210	C	4.0
6	2G	60	LEU	4.0
1	1A	2176	G	4.0
1	2A	1093	G	4.0
1	1A	1140	U	4.0
26	24	41	PRO	4.0
26	24	49	PHE	4.0
1	2A	2156	G	4.0
33	1b	190	THR	4.0
1	1A	2197	C	4.0
1	2A	1528	A	4.0
32	1a	1032	G	3.9
40	2i	13	ALA	3.9
32	1a	163	C	3.9
1	2A	1046	A	3.9
41	2j	75	ILE	3.9
45	1n	7	ILE	3.9
26	14	49	PHE	3.9
1	2A	2109	U	3.9
6	2G	74	LYS	3.9
16	2U	89	GLU	3.9
1	1A	2805	G	3.9
1	2A	1450	G	3.9
32	1a	1034	G	3.9
39	1h	115	SER	3.9
44	2m	102	ARG	3.9
1	1A	1125	C	3.9
1	1A	2133	C	3.9
32	1a	1029	C	3.9
42	2k	26	ASN	3.9
1	2A	652(B)	A	3.9
35	1d	5	ILE	3.9
1	2A	10	G	3.9
1	2A	2153	G	3.9
32	2a	1033	G	3.9
1	2A	2126	A	3.9
1	1A	2138	G	3.9
1	2A	889	C	3.8
6	2G	3	LEU	3.8
40	2i	123	PRO	3.8

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Mol	Chain	Res	Type	RSRZ
34	2c	2	GLY	3.8
33	2b	12	GLU	3.8
1	2A	1538	G	3.8
1	2A	2188	C	3.8
2	1B	3	C	3.8
2	2B	4	C	3.8
1	2A	1077	A	3.8
1	2A	2135	A	3.8
35	2d	11	LEU	3.8
1	1A	1143	U	3.8
1	2A	1090	U	3.8
33	2b	17	PHE	3.8
1	2A	875	G	3.8
32	1a	1030(A)	G	3.8
1	1A	2193	A	3.8
41	1j	34	VAL	3.8
29	27	48	LYS	3.8
6	2G	39	ILE	3.8
34	1c	192	THR	3.8
43	1l	63	GLY	3.8
1	1A	2125	C	3.8
1	1A	2199	C	3.8
6	2G	90	LEU	3.8
39	2h	29	SER	3.8
26	14	59	PHE	3.7
6	2G	42	GLY	3.7
1	2A	2180	U	3.7
1	1A	935	C	3.7
1	1A	1116	A	3.7
32	1a	92	C	3.7
32	2a	1102	A	3.7
1	2A	1055	G	3.7
1	2A	1071	G	3.7
1	2A	2115	G	3.7
34	2c	175	LEU	3.7
41	1j	72	VAL	3.7
47	1p	19	ILE	3.7
23	2l	2	SER	3.7
50	1s	4	SER	3.7
51	2t	6	PRO	3.7
1	1A	2167	C	3.7
1	1A	2168	C	3.7

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Mol	Chain	Res	Type	RSRZ
1	2A	888	C	3.7
1	2A	2143	C	3.7
32	2a	995	C	3.7
1	1A	11	G	3.7
14	2S	35	ILE	3.7
34	2c	5	ILE	3.7
41	2j	47	PHE	3.7
38	2g	28	ASN	3.7
1	2A	1084	A	3.7
1	2A	2170	A	3.7
1	1A	2127	C	3.7
41	2j	40	LEU	3.7
24	22	46	GLN	3.7
27	25	60	VAL	3.7
32	1a	1001(A)	G	3.7
33	1b	48	MET	3.7
34	2c	184	TYR	3.7
1	1A	2211	U	3.7
35	2d	71	SER	3.6
1	2A	1057	A	3.6
32	1a	152	A	3.6
1	2A	1066	U	3.6
47	2p	9	PHE	3.6
32	2a	1084	G	3.6
33	2b	118	LEU	3.6
1	2A	2176	A	3.6
26	24	65	ASP	3.6
12	2Q	28	ALA	3.6
21	1Z	189	ALA	3.6
42	2k	89	ALA	3.6
21	1Z	70	LEU	3.6
44	1m	24	GLY	3.6
1	1A	10	G	3.6
1	1A	1221	G	3.6
32	1a	70	G	3.6
32	1a	1026	G	3.6
32	2a	1202	G	3.6
38	1g	79	ARG	3.6
48	1q	26	GLN	3.6
41	2j	96	ILE	3.6
33	1b	237	ALA	3.6
1	1A	2192	A	3.6

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Mol	Chain	Res	Type	RSRZ
1	2A	1449	A	3.6
45	2n	49	HIS	3.6
1	2A	2161	C	3.6
1	2A	1083	U	3.6
32	1a	1025	U	3.6
39	2h	131	GLY	3.6
33	2b	172	ILE	3.6
1	1A	1145	G	3.6
1	2A	2805	G	3.6
33	1b	29	ALA	3.6
39	2h	28	ALA	3.6
26	24	63	TYR	3.6
1	2A	645	C	3.5
1	2A	1102	C	3.5
1	2A	2142	C	3.5
35	1d	164	ALA	3.5
43	1l	64	TYR	3.5
1	1A	2137	G	3.5
1	1A	2208	G	3.5
1	2A	2116	G	3.5
1	2A	2165	G	3.5
32	2a	1034	G	3.5
32	1a	1030(D)	A	3.5
41	1j	5	ARG	3.5
1	1A	2172	U	3.5
34	2c	189	ALA	3.5
52	2u	23	PRO	3.5
34	2c	190	ARG	3.5
10	2O	57	VAL	3.5
26	14	45	GLY	3.5
34	2c	185	GLY	3.5
38	1g	80	VAL	3.5
1	1A	934	A	3.5
1	1A	1141	A	3.5
1	1A	2902	G	3.5
1	2A	1054	A	3.5
1	2A	1074	G	3.5
32	2a	88	A	3.5
50	2s	79	THR	3.5
1	1A	2186	C	3.5
1	2A	902	C	3.5
45	2n	8	GLU	3.5

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Mol	Chain	Res	Type	RSRZ
47	2p	51	VAL	3.5
41	1j	98	ILE	3.5
26	14	52	THR	3.5
1	1A	1129	U	3.5
1	1A	1879	A	3.5
1	2A	1460	A	3.5
45	2n	10	ALA	3.5
1	1A	2123	G	3.5
1	2A	1068	G	3.5
1	2A	2141	G	3.5
32	1a	147	G	3.5
32	1a	725	G	3.5
35	1d	155	LEU	3.5
1	1A	2815	C	3.5
1	2A	2896	C	3.5
7	2H	124	GLU	3.5
26	14	48	ARG	3.5
40	2i	5	TYR	3.5
3	2D	170	GLY	3.4
9	2N	9	VAL	3.4
41	2j	44	VAL	3.4
44	2m	100	GLY	3.4
21	2Z	199	LYS	3.4
6	2G	2	PRO	3.4
1	1A	1556	A	3.4
1	2A	2793	G	3.4
21	2Z	2	GLU	3.4
32	1a	1033	G	3.4
32	1a	178	C	3.4
6	2G	82	LEU	3.4
50	1s	71	LEU	3.4
35	2d	149	ALA	3.4
44	2m	75	ALA	3.4
20	2Y	2	ARG	3.4
32	2a	1447	A	3.4
26	14	56	VAL	3.4
14	2S	33	LYS	3.4
45	1n	15	LYS	3.4
32	2a	1017	G	3.4
40	1i	15	ALA	3.4
34	2c	107	GLN	3.4
45	2n	29	ARG	3.4

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Mol	Chain	Res	Type	RSRZ
45	1n	8	GLU	3.4
1	1A	1142	A	3.4
7	2H	66	GLY	3.4
21	2Z	200	GLY	3.4
33	1b	18	GLY	3.4
34	2c	159	GLY	3.4
38	1g	82	GLY	3.4
33	2b	48	MET	3.4
35	2d	110	PHE	3.4
34	2c	137	ALA	3.4
1	1A	2143	G	3.4
2	2B	117	G	3.4
32	1a	69	G	3.4
32	1a	1002	G	3.4
22	20	55	ARG	3.4
1	2A	271(N)	U	3.4
33	2b	233	SER	3.4
41	2j	76	ASN	3.4
32	1a	1001	A	3.3
39	2h	52	ASP	3.3
50	1s	13	ASP	3.3
52	2u	10	ARG	3.3
1	1A	2185	C	3.3
21	1Z	201	LYS	3.3
32	2a	1036	G	3.3
54	2x	46	G	3.3
34	2c	13	GLY	3.3
39	1h	90	GLY	3.3
52	2u	16	GLY	3.3
33	2b	202	PRO	3.3
1	1A	2136	A	3.3
1	2A	1103	A	3.3
14	2S	34	HIS	3.3
39	1h	93	VAL	3.3
1	2A	2175	C	3.3
21	1Z	190	GLU	3.3
43	2l	62	SER	3.3
1	1A	2163	G	3.3
35	1d	3	ARG	3.3
38	2g	5	ARG	3.3
40	2i	9	ARG	3.3
7	2H	106	THR	3.3

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Mol	Chain	Res	Type	RSRZ
33	1b	229	VAL	3.3
11	2P	24	GLY	3.3
1	1A	1220	U	3.3
1	2A	1104	C	3.3
32	1a	1030(B)	C	3.3
23	2I	26	ARG	3.3
1	2A	11	G	3.3
2	2B	118	G	3.3
32	2a	1310	G	3.3
51	2t	65	LYS	3.3
1	2A	2171	A	3.3
32	1a	197	A	3.3
11	2P	123	LEU	3.3
23	1I	28	GLY	3.3
33	1b	221	LEU	3.3
1	2A	877	U	3.2
1	2A	2144	U	3.2
41	2j	77	PRO	3.2
37	2f	93	SER	3.2
1	2A	2139	C	3.2
32	1a	726	C	3.2
32	2a	1030(B)	C	3.2
40	2i	64	THR	3.2
32	2a	1031	G	3.2
40	2i	6	GLY	3.2
1	2A	1108	U	3.2
32	2a	1020	U	3.2
21	2Z	197	ILE	3.2
44	2m	109	THR	3.2
50	2s	20	LEU	3.2
26	24	57	GLU	3.2
1	1A	2174	G	3.2
1	2A	896	A	3.2
1	2A	1088	A	3.2
1	2A	1445	A	3.2
1	2A	2629	A	3.2
1	2A	2833	G	3.2
32	1a	630	G	3.2
32	2a	963	G	3.2
32	2a	1001	A	3.2
34	2c	71	ALA	3.2
1	1A	386	U	3.2

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Mol	Chain	Res	Type	RSRZ
43	1l	62	SER	3.2
6	2G	70	VAL	3.2
34	2c	145	GLY	3.2
32	1a	1043	C	3.2
32	2a	1103	C	3.2
32	2a	1129	C	3.2
21	2Z	198	LYS	3.2
1	1A	937	A	3.2
32	2a	1287	A	3.2
40	1i	62	TYR	3.2
1	1A	9	U	3.2
1	2A	1063	G	3.2
1	2A	2100	G	3.2
32	2a	1104	G	3.2
40	2i	109	VAL	3.2
20	2Y	106	LEU	3.2
45	2n	6	LEU	3.2
6	2G	64	THR	3.2
15	1T	37	GLY	3.2
26	24	42	PHE	3.2
35	1d	80	GLU	3.2
40	2i	66	ARG	3.2
41	2j	5	ARG	3.2
48	2q	86	GLU	3.2
1	1A	2200	C	3.2
6	2G	20	ILE	3.1
33	1b	94	ASN	3.1
1	2A	1096	A	3.1
32	2a	994	A	3.1
35	1d	157	LEU	3.1
41	1j	88	LEU	3.1
44	2m	53	VAL	3.1
1	2A	2167	U	3.1
32	1a	90	U	3.1
32	2a	1126	U	3.1
32	2a	1021	G	3.1
30	28	21	LYS	3.1
40	2i	111	ARG	3.1
52	2u	15	ARG	3.1
23	21	27	GLU	3.1
34	1c	193	TYR	3.1
35	2d	4	TYR	3.1

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Mol	Chain	Res	Type	RSRZ
43	2l	18	VAL	3.1
44	1m	117	VAL	3.1
40	1i	117	HIS	3.1
1	2A	2114	A	3.1
6	2G	47	LYS	3.1
29	17	48	LYS	3.1
33	1b	228	GLY	3.1
8	2I	61	ARG	3.1
40	2i	10	ARG	3.1
45	2n	61	TRP	3.1
32	1a	1042	G	3.1
41	1j	4	ILE	3.1
51	1t	10	LEU	3.1
43	1l	18	VAL	3.1
43	1l	43	VAL	3.1
47	1p	17	TYR	3.1
1	2A	1531	C	3.1
32	1a	217	C	3.1
32	2a	1354	C	3.1
34	1c	2	GLY	3.1
7	1H	2	SER	3.1
40	2i	7	THR	3.1
44	2m	116	THR	3.1
1	1A	2189	U	3.1
32	1a	1257	U	3.1
1	1A	2641	A	3.1
1	2A	890	A	3.1
41	2j	58	ASP	3.1
16	2U	4	ALA	3.1
40	1i	81	ILE	3.1
46	1o	3	ILE	3.1
19	1X	95	LEU	3.1
1	1A	2816	G	3.1
3	2D	38	LYS	3.1
11	2P	121	LYS	3.1
30	28	64	TYR	3.1
40	2i	11	LYS	3.1
35	2d	23	GLY	3.1
38	2g	78	ARG	3.1
2	2B	2	C	3.1
32	1a	1532	U	3.1
44	2m	97	PRO	3.1

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Mol	Chain	Res	Type	RSRZ
35	1d	179	GLU	3.1
1	1A	1144	A	3.1
34	2c	124	ILE	3.1
38	2g	9	VAL	3.0
40	2i	28	VAL	3.0
41	2j	68	HIS	3.0
51	1t	73	HIS	3.0
45	2n	21	TYR	3.0
6	2G	41	GLN	3.0
26	14	54	GLY	3.0
38	1g	78	ARG	3.0
45	2n	55	GLY	3.0
8	2I	74	ASN	3.0
1	2A	1047	G	3.0
1	2A	2166	G	3.0
32	2a	630	G	3.0
1	1A	2164	C	3.0
1	2A	886	C	3.0
1	2A	2177	C	3.0
32	2a	1322	C	3.0
35	1d	156	GLU	3.0
17	2V	26	ASP	3.0
1	2A	2892	A	3.0
32	2a	1183	A	3.0
32	2a	1531	A	3.0
34	2c	86	VAL	3.0
6	2G	146	TYR	3.0
26	24	55	ARG	3.0
50	1s	29	ARG	3.0
40	2i	31	GLN	3.0
18	2W	60	ASN	3.0
35	1d	165	MET	3.0
41	1j	74	ILE	3.0
41	2j	74	ILE	3.0
44	2m	90	LEU	3.0
32	1a	1023	G	3.0
38	1g	156	TRP	3.0
30	28	5	LYS	3.0
32	1a	153	C	3.0
32	1a	1137	C	3.0
33	2b	165	VAL	3.0
1	1A	1100	A	3.0

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Mol	Chain	Res	Type	RSRZ
32	2a	1035	A	3.0
32	2a	1236	A	3.0
29	27	41	ARG	3.0
34	1c	81	GLY	3.0
7	2H	173	PRO	3.0
41	2j	42	THR	3.0
44	1m	116	THR	3.0
44	2m	103	THR	3.0
50	2s	2	PRO	3.0
35	2d	5	ILE	3.0
35	2d	158	ILE	3.0
33	2b	133	LYS	3.0
43	2l	123	LYS	3.0
1	2A	9	U	3.0
1	2A	271(K)	U	3.0
32	1a	1000	U	3.0
1	2A	171	G	3.0
32	1a	220	G	3.0
32	1a	1217	C	3.0
32	2a	1363	C	3.0
38	1g	4	ARG	3.0
1	2A	1085	A	3.0
41	1j	77	PRO	3.0
6	2G	62	LEU	3.0
21	2Z	125	LEU	3.0
50	2s	30	LEU	3.0
6	2G	56	ALA	3.0
34	2c	187	ALA	3.0
12	1Q	80	GLU	3.0
35	2d	156	GLU	3.0
42	1k	92	GLU	3.0
7	2H	56	SER	3.0
32	2a	1000	U	2.9
34	2c	9	GLY	2.9
34	2c	158	GLY	2.9
32	1a	174	C	2.9
32	2a	1029	C	2.9
40	2i	124	GLN	2.9
1	1A	2187	G	2.9
1	1A	2212	G	2.9
1	2A	2184	G	2.9
6	2G	77	ILE	2.9

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Mol	Chain	Res	Type	RSRZ
32	1a	1036	G	2.9
41	2j	37	PRO	2.9
45	1n	21	TYR	2.9
50	2s	52	TYR	2.9
1	1A	1115	A	2.9
1	1A	2812	A	2.9
32	1a	1493	A	2.9
21	1Z	199	LYS	2.9
40	2i	116	LYS	2.9
27	25	18	ALA	2.9
14	2S	8	GLU	2.9
27	15	59	GLU	2.9
35	1d	154	ASN	2.9
50	2s	9	VAL	2.9
33	2b	16	HIS	2.9
1	1A	1106	U	2.9
13	2R	69	ASP	2.9
54	2x	47	U	2.9
33	1b	28	PHE	2.9
6	2G	119	GLY	2.9
11	2P	118	GLY	2.9
35	2d	90	GLY	2.9
44	2m	95	GLY	2.9
7	2H	55	PRO	2.9
7	2H	67	LEU	2.9
21	2Z	70	LEU	2.9
34	1c	196	LEU	2.9
50	2s	71	LEU	2.9
14	2S	93	LYS	2.9
20	2Y	94	LYS	2.9
1	2A	1053	C	2.9
1	2A	2185	C	2.9
45	1n	22	THR	2.9
47	1p	24	ALA	2.9
1	1A	2204	G	2.9
1	2A	901	A	2.9
4	2E	87	GLU	2.9
32	1a	102	G	2.9
52	2u	6	ARG	2.9
43	2l	22	SER	2.9
51	1t	61	SER	2.9
32	2a	1235	U	2.9

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Mol	Chain	Res	Type	RSRZ
34	2c	8	ILE	2.9
44	2m	70	LEU	2.9
3	2D	275	LYS	2.9
24	12	70	GLN	2.9
40	1i	78	LYS	2.9
38	2g	2	ALA	2.9
33	1b	136	VAL	2.9
45	2n	25	VAL	2.9
1	1A	34	C	2.9
6	2G	83	ARG	2.9
1	1A	925	A	2.9
1	1A	2157	A	2.9
32	1a	1286	A	2.9
7	2H	61	HIS	2.9
33	1b	99	GLY	2.9
1	2A	362	U	2.9
6	2G	139	LEU	2.9
21	2Z	95	PRO	2.9
49	2r	58	LEU	2.9
40	2i	36	TYR	2.9
34	2c	173	VAL	2.9
41	1j	44	VAL	2.9
41	2j	72	VAL	2.9
42	2k	28	THR	2.9
1	1A	1555	C	2.8
1	1A	2804	C	2.8
1	1A	2814	C	2.8
1	2A	1100	C	2.8
32	1a	160	A	2.8
32	1a	219	C	2.8
32	1a	345	C	2.8
32	1a	651	C	2.8
32	2a	1019	C	2.8
32	2a	1030(D)	A	2.8
32	2a	1250	A	2.8
32	2a	1260	C	2.8
32	2a	1268	A	2.8
16	2U	80	ILE	2.8
33	2b	44	LEU	2.8
33	2b	108	ILE	2.8
36	2e	13	ILE	2.8
39	1h	116	LYS	2.8

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Mol	Chain	Res	Type	RSRZ
51	1t	11	SER	2.8
1	1A	273	G	2.8
1	1A	938	G	2.8
1	2A	614(B)	G	2.8
1	2A	1537	G	2.8
32	1a	921	U	2.8
32	2a	1190	G	2.8
32	2a	1257	U	2.8
32	2a	1353	G	2.8
34	2c	160	ALA	2.8
41	1j	20	ALA	2.8
45	2n	30	ALA	2.8
20	2Y	55	TYR	2.8
26	24	33	VAL	2.8
40	2i	125	TYR	2.8
33	2b	190	THR	2.8
50	2s	33	THR	2.8
27	25	59	GLU	2.8
48	1q	37	LYS	2.8
14	2S	54	LEU	2.8
33	1b	187	LEU	2.8
35	2d	6	GLY	2.8
1	1A	2207	C	2.8
1	1A	2803	A	2.8
1	2A	1070	A	2.8
1	2A	2803	C	2.8
32	2a	1004	A	2.8
32	2a	1038	C	2.8
39	2h	115	SER	2.8
18	2W	58	ALA	2.8
26	24	35	VAL	2.8
45	2n	18	VAL	2.8
6	1G	83	ARG	2.8
1	1A	2175	G	2.8
11	2P	119	GLU	2.8
32	1a	1082	G	2.8
40	2i	2	GLU	2.8
37	1f	25	ILE	2.8
44	2m	96	LEU	2.8
40	2i	67	GLY	2.8
41	1j	10	GLY	2.8
41	2j	93	GLY	2.8

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Mol	Chain	Res	Type	RSRZ
9	2N	8	GLN	2.8
1	2A	1546	C	2.8
8	1I	19	VAL	2.8
10	2O	73	ASP	2.8
32	2a	1158	C	2.8
32	2a	1492	A	2.8
26	14	55	ARG	2.8
36	2e	105	VAL	2.8
41	2j	34	VAL	2.8
26	14	18	CYS	2.8
26	24	32	TYR	2.8
26	24	39	CYS	2.8
38	1g	154	TYR	2.8
26	14	69	LYS	2.8
1	1A	1512	G	2.8
1	1A	1905	G	2.8
1	2A	271(M)	G	2.8
1	2A	874	G	2.8
1	2A	2187	G	2.8
32	1a	97	G	2.8
32	1a	148	G	2.8
32	2a	1224	G	2.8
41	2j	38	ILE	2.8
22	20	22	GLY	2.8
51	1t	75	ASN	2.8
33	1b	210	SER	2.8
27	15	60	VAL	2.8
35	1d	170	VAL	2.8
51	2t	97	ALA	2.8
52	2u	24	ARG	2.8
1	2A	229	A	2.8
1	1A	2160	C	2.8
1	2A	1445(A)	C	2.8
1	2A	1532	C	2.8
1	2A	2102	U	2.8
32	1a	1446	U	2.8
6	2G	45	GLU	2.8
32	2a	962	C	2.8
37	2f	38	GLU	2.8
44	2m	73	GLU	2.8
33	1b	105	PHE	2.8
35	1d	21	LEU	2.8

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Mol	Chain	Res	Type	RSRZ
47	1p	49	LEU	2.8
41	1j	36	GLY	2.8
1	2A	1091	G	2.7
1	2A	1541	G	2.7
32	1a	93	G	2.7
32	2a	1138	G	2.7
6	2G	73	ALA	2.7
15	1T	129	ARG	2.7
6	1G	76	SER	2.7
34	1c	154	SER	2.7
51	1t	70	SER	2.7
26	14	51	ASP	2.7
1	1A	12	U	2.7
1	1A	1092	A	2.7
1	1A	1128	U	2.7
1	1A	1466	U	2.7
7	2H	71	LEU	2.7
32	1a	172	A	2.7
32	2a	1319	A	2.7
48	2q	98	LEU	2.7
6	2G	140	ILE	2.7
41	2j	6	ILE	2.7
1	1A	2161	C	2.7
1	1A	2165	C	2.7
32	2a	1321	C	2.7
26	24	54	GLY	2.7
34	2c	96	GLY	2.7
7	2H	101	ARG	2.7
39	1h	75	ARG	2.7
33	2b	95	GLN	2.7
45	2n	17	LYS	2.7
46	2o	40	SER	2.7
1	1A	269	G	2.7
1	2A	2190	G	2.7
32	2a	993	G	2.7
32	2a	1042	G	2.7
32	2a	1142	G	2.7
32	2a	1220	G	2.7
39	1h	127	LEU	2.7
40	2i	18	PHE	2.7
40	2i	19	LEU	2.7
50	2s	15	LEU	2.7

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Mol	Chain	Res	Type	RSRZ
5	2F	184	TYR	2.7
6	2G	164	GLU	2.7
40	2i	92	TYR	2.7
1	2A	878	A	2.7
1	2A	1069	A	2.7
40	1i	8	GLY	2.7
30	28	4	MET	2.7
1	2A	1914	C	2.7
32	2a	848	C	2.7
32	2a	979	C	2.7
32	2a	1149	C	2.7
32	2a	1359	C	2.7
32	2a	1397	C	2.7
6	2G	108	ASN	2.7
28	26	37	ARG	2.7
29	27	47	ARG	2.7
36	2e	130	ASN	2.7
51	1t	80	ARG	2.7
33	1b	165	VAL	2.7
17	2V	85	LYS	2.7
45	2n	11	LYS	2.7
45	2n	37	PHE	2.7
6	1G	48	GLU	2.7
44	2m	78	ILE	2.7
20	2Y	11	ASP	2.7
35	2d	38	TYR	2.7
50	2s	12	ASP	2.7
1	2A	1094	U	2.7
12	2Q	100	GLY	2.7
17	2V	42	GLY	2.7
32	2a	1013	G	2.7
32	2a	1024	G	2.7
32	2a	1355	G	2.7
39	2h	57	PRO	2.7
32	2a	1493	A	2.7
6	2G	69	ALA	2.7
21	2Z	164	ALA	2.7
34	2c	135	LYS	2.7
35	2d	8	VAL	2.7
39	1h	26	VAL	2.7
1	1A	1936	C	2.7
32	2a	91	C	2.7

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Mol	Chain	Res	Type	RSRZ
32	2a	1043	C	2.7
35	2d	160	GLN	2.7
42	2k	27	ASN	2.7
40	2i	63	ILE	2.7
33	2b	231	GLU	2.7
48	2q	99	SER	2.7
45	2n	34	TYR	2.7
7	2H	128	PRO	2.7
3	1D	275	LYS	2.6
6	2G	159	VAL	2.6
1	2A	361	G	2.6
32	1a	1166	G	2.6
51	2t	66	ALA	2.6
1	1A	1491	A	2.6
32	1a	344	A	2.6
32	1a	702	A	2.6
32	1a	1531	A	2.6
6	2G	34	LEU	2.6
32	2a	1096	C	2.6
33	2b	162	ILE	2.6
51	1t	82	SER	2.6
37	1f	63	TYR	2.6
17	1V	26	ASP	2.6
26	24	64	GLY	2.6
34	2c	62	ASP	2.6
44	1m	100	GLY	2.6
47	2p	41	PRO	2.6
50	1s	72	GLY	2.6
51	2t	7	LYS	2.6
1	2A	2897	U	2.6
27	25	14	ALA	2.6
34	2c	163	ALA	2.6
43	1l	30	ALA	2.6
5	2F	181	LEU	2.6
11	2P	91	PHE	2.6
41	2j	69	ASN	2.6
32	1a	161	A	2.6
32	1a	393	A	2.6
32	1a	694	A	2.6
32	2a	1005	A	2.6
45	1n	16	PHE	2.6
2	2B	23	G	2.6

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Mol	Chain	Res	Type	RSRZ
32	1a	144	G	2.6
32	1a	198	G	2.6
25	23	60	GLU	2.6
37	2f	95	GLU	2.6
1	1A	1595	C	2.6
2	2B	5	C	2.6
32	2a	1119	C	2.6
32	2a	1325	C	2.6
7	2H	94	TYR	2.6
11	2P	116	GLY	2.6
33	2b	92	TYR	2.6
34	1c	9	GLY	2.6
35	1d	23	GLY	2.6
38	1g	77	SER	2.6
45	2n	38	GLY	2.6
51	1t	69	GLY	2.6
35	2d	73	ARG	2.6
38	2g	115	ARG	2.6
44	2m	65	LYS	2.6
45	2n	58	LYS	2.6
40	2i	14	VAL	2.6
1	2A	1078	U	2.6
2	2B	1	U	2.6
32	2a	1446	U	2.6
34	2c	92	ALA	2.6
38	2g	22	LEU	2.6
14	2S	29	PHE	2.6
1	1A	554	A	2.6
1	1A	1091	A	2.6
1	2A	2801(A)	A	2.6
40	2i	49	PRO	2.6
6	2G	136	ARG	2.6
35	2d	115	ARG	2.6
40	2i	127	LYS	2.6
49	2r	61	LYS	2.6
1	1A	1152	G	2.6
1	2A	652(U)	G	2.6
14	2S	5	THR	2.6
32	1a	346	G	2.6
32	1a	1009	G	2.6
32	2a	988	G	2.6
32	2a	1022	G	2.6

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Mol	Chain	Res	Type	RSRZ
44	2m	37	THR	2.6
2	2B	70	C	2.6
32	2a	1128	C	2.6
32	2a	1369	C	2.6
7	2H	15	VAL	2.6
37	2f	90	VAL	2.6
5	2F	22	ALA	2.6
33	2b	51	LEU	2.6
36	2e	94	ALA	2.6
40	1i	47	LEU	2.6
1	1A	1107	U	2.6
6	2G	58	GLN	2.6
6	2G	88	ILE	2.6
32	2a	952	U	2.6
32	2a	992	U	2.6
20	2Y	89	PHE	2.6
35	1d	62	GLN	2.6
51	1t	9	ASN	2.6
41	2j	55	LYS	2.6
50	2s	70	LYS	2.6
1	1A	302	A	2.6
1	2A	278	A	2.6
32	1a	1503	A	2.6
32	2a	532	A	2.6
32	2a	1092	A	2.6
32	2a	1248	A	2.6
6	2G	15	VAL	2.6
34	2c	138	VAL	2.6
38	2g	80	VAL	2.6
14	2S	37	ALA	2.5
40	2i	96	LEU	2.6
41	2j	65	LEU	2.6
1	2A	326	G	2.5
1	2A	1049	C	2.5
1	2A	1080	C	2.5
1	2A	2186	G	2.5
1	2A	2894	G	2.5
2	2B	6	C	2.5
2	2B	28	C	2.5
32	1a	145	G	2.5
32	1a	221	C	2.5
32	1a	993	G	2.5

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Mol	Chain	Res	Type	RSRZ
32	2a	971	G	2.5
32	2a	999	C	2.5
32	2a	1087	G	2.5
32	2a	1094	G	2.5
32	2a	1294	G	2.5
44	2m	101	GLN	2.5
4	2E	69	LYS	2.5
50	2s	53	ASN	2.5
7	2H	126	PRO	2.5
24	12	69	ARG	2.5
35	1d	115	ARG	2.5
35	2d	159	ARG	2.5
39	1h	37	ARG	2.5
41	2j	43	ARG	2.5
41	2j	46	ARG	2.5
50	2s	3	ARG	2.5
36	1e	114	GLY	2.5
21	2Z	56	VAL	2.5
33	1b	236	TYR	2.5
34	2c	191	THR	2.5
40	2i	26	VAL	2.5
32	2a	996	A	2.5
41	1j	71	LEU	2.5
11	2P	120	ALA	2.5
13	2R	41	ALA	2.5
35	1d	149	ALA	2.5
44	2m	107	ALA	2.5
37	2f	83	ASP	2.5
33	1b	172	ILE	2.5
45	2n	36	PHE	2.5
41	1j	33	GLN	2.5
1	2A	1092	C	2.5
1	2A	1166	C	2.5
1	1A	299	G	2.5
1	1A	2122	G	2.5
1	2A	1527	G	2.5
3	2D	276	LYS	2.5
32	1a	394	G	2.5
32	2a	1361	G	2.5
11	2P	15	ARG	2.5
40	2i	16	ARG	2.5
40	2i	39	GLY	2.5

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Mol	Chain	Res	Type	RSRZ
40	2i	115	GLY	2.5
11	2P	3	LEU	2.5
14	2S	49	VAL	2.5
21	2Z	183	LEU	2.5
33	2b	164	VAL	2.5
40	2i	17	VAL	2.5
40	2i	40	LEU	2.5
40	2i	102	LEU	2.5
40	2i	108	VAL	2.5
43	1l	52	LEU	2.5
6	2G	46	ALA	2.5
40	2i	45	ALA	2.5
14	2S	31	SER	2.5
33	2b	200	ILE	2.5
44	2m	4	ILE	2.5
32	1a	1035	A	2.5
32	1a	173	U	2.5
32	2a	991	U	2.5
34	2c	7	PRO	2.5
1	2A	1072	C	2.5
2	2B	62	C	2.5
26	24	17	GLY	2.5
32	2a	1039	C	2.5
32	2a	1097	C	2.5
1	1A	1153	G	2.5
1	1A	1513	G	2.5
1	1A	1584	G	2.5
1	2A	1044	G	2.5
8	2I	3	VAL	2.5
18	2W	65	LEU	2.5
32	1a	326	G	2.5
32	2a	1182	G	2.5
50	2s	51	VAL	2.5
40	1i	7	THR	2.5
44	2m	105	THR	2.5
6	1G	73	ALA	2.5
11	2P	12	ALA	2.5
38	2g	116	ALA	2.5
34	2c	157	ILE	2.5
33	2b	152	PHE	2.5
41	1j	59	SER	2.5
51	1t	31	SER	2.5

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Mol	Chain	Res	Type	RSRZ
1	2A	899	A	2.5
1	2A	1045	A	2.5
1	2A	1086	A	2.5
7	2H	42	ARG	2.5
14	2S	3	ARG	2.5
6	2G	142	PRO	2.5
21	2Z	68	PRO	2.5
33	2b	131	PRO	2.5
1	1A	2166	U	2.5
1	2A	1082	U	2.5
5	1F	16	GLY	2.5
13	1R	102	GLU	2.5
32	2a	1219	U	2.5
43	1l	65	GLU	2.5
44	2m	67	GLU	2.5
7	2H	88	LEU	2.5
7	2H	103	LEU	2.5
33	2b	121	LEU	2.5
34	2c	12	LEU	2.5
16	2U	9	VAL	2.5
25	23	59	VAL	2.5
34	2c	141	VAL	2.5
1	1A	2162	C	2.5
1	1A	2205	C	2.5
2	1B	2	C	2.5
2	2B	12	C	2.5
32	1a	454	C	2.5
32	2a	1145	C	2.5
9	2N	92	ALA	2.5
36	1e	21	ALA	2.5
38	2g	65	ALA	2.5
40	2i	43	ALA	2.5
44	1m	2	ALA	2.5
44	1m	51	ALA	2.5
47	1p	22	THR	2.5
51	1t	66	ALA	2.5
1	1A	387	G	2.4
32	1a	78	G	2.4
5	1F	195	ASP	2.4
23	1l	2	SER	2.4
50	2s	38	SER	2.4
40	1i	16	ARG	2.4

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Mol	Chain	Res	Type	RSRZ
44	1m	102	ARG	2.4
44	2m	94	ARG	2.4
40	2i	99	LEU	2.4
41	1j	64	GLU	2.4
1	1A	2124	U	2.4
8	2I	136	VAL	2.4
20	1Y	1	MET	2.4
20	2Y	45	VAL	2.4
32	2a	1065	U	2.4
33	2b	136	VAL	2.4
42	2k	109	VAL	2.4
14	2S	61	ASN	2.4
41	1j	76	ASN	2.4
31	29	17	ILE	2.4
34	2c	146	ALA	2.4
40	2i	52	ALA	2.4
30	28	3	LYS	2.4
34	2c	186	PHE	2.4
49	2r	47	THR	2.4
1	2A	652(T)	C	2.4
32	1a	1008	C	2.4
32	2a	501	C	2.4
32	2a	1045	C	2.4
5	2F	188	ARG	2.4
35	1d	132	ARG	2.4
35	1d	159	ARG	2.4
47	2p	18	ARG	2.4
52	1u	9	ARG	2.4
6	2G	78	SER	2.4
48	2q	16	GLN	2.4
1	1A	926	G	2.4
1	2A	1110	G	2.4
1	2A	2792	G	2.4
32	2a	1323	G	2.4
54	1x	46	G	2.4
33	2b	228	GLY	2.4
42	1k	90	GLY	2.4
50	1s	14	HIS	2.4
51	1t	101	GLY	2.4
52	2u	11	GLY	2.4
9	2N	68	GLU	2.4
33	1b	12	GLU	2.4

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Mol	Chain	Res	Type	RSRZ
48	2q	78	GLU	2.4
32	2a	1044	A	2.4
32	2a	1225	A	2.4
32	2a	1357	A	2.4
32	2a	1040	U	2.4
33	1b	171	ALA	2.4
33	2b	161	ALA	2.4
34	1c	72	LYS	2.4
51	1t	14	LYS	2.4
51	1t	30	LYS	2.4
40	2i	101	PHE	2.4
47	2p	45	THR	2.4
35	2d	50	ARG	2.4
46	2o	68	ARG	2.4
32	1a	103	C	2.4
32	1a	150	C	2.4
32	2a	1234	C	2.4
33	2b	189	ASP	2.4
40	1i	126	SER	2.4
6	2G	29	TRP	2.4
12	2Q	79	LEU	2.4
37	1f	19	LEU	2.4
33	1b	129	GLU	2.4
36	2e	83	GLU	2.4
37	2f	5	GLU	2.4
1	1A	1218	G	2.4
1	1A	2813	G	2.4
32	1a	68	G	2.4
32	2a	428	G	2.4
32	2a	1184	G	2.4
32	2a	1283	G	2.4
19	2X	33	LYS	2.4
33	2b	201	ILE	2.4
51	1t	100	ILE	2.4
52	2u	3	LYS	2.4
38	2g	7	ALA	2.4
44	2m	76	ALA	2.4
1	2A	866	A	2.4
2	2B	58	A	2.4
26	24	59	PHE	2.4
32	1a	182	U	2.4
32	2a	1041	A	2.4

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Mol	Chain	Res	Type	RSRZ
32	2a	1085	U	2.4
40	2i	59	PHE	2.4
44	1m	106	ASN	2.4
50	2s	29	ARG	2.4
6	2G	133	LEU	2.4
33	1b	98	LEU	2.4
1	2A	271(J)	C	2.4
1	2A	1079	C	2.4
1	2A	1109	C	2.4
4	1E	193	GLY	2.4
32	1a	71	C	2.4
40	2i	68	GLY	2.4
47	2p	16	HIS	2.4
54	2x	16	C	2.4
33	2b	15	VAL	2.4
34	2c	106	VAL	2.4
38	2g	17	VAL	2.4
44	2m	60	VAL	2.4
8	1I	10	GLU	2.4
34	2c	90	GLU	2.4
42	2k	124	LYS	2.4
51	1t	12	ALA	2.4
1	1A	271	U	2.4
1	1A	1507	A	2.4
1	2A	1059	G	2.4
1	2A	2321	G	2.4
7	2H	97	ARG	2.4
29	17	23	ARG	2.4
32	1a	66	G	2.4
32	1a	143	A	2.4
32	1a	166	G	2.4
32	1a	171	A	2.4
32	1a	1010	G	2.4
32	1a	1331	G	2.4
32	2a	73	G	2.4
32	2a	1390	U	2.4
34	2c	179	ARG	2.4
35	1d	122	ARG	2.4
32	2a	1269	A	2.4
35	2d	197	PRO	2.3
38	2g	12	LEU	2.3
39	2h	2	LEU	2.3

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Mol	Chain	Res	Type	RSRZ
46	2o	2	PRO	2.3
34	2c	176	HIS	2.3
12	1Q	85	LYS	2.3
33	2b	93	VAL	2.3
43	2l	23	LYS	2.3
44	1m	98	VAL	2.3
20	2Y	96	ILE	2.3
34	2c	84	ILE	2.3
35	2d	163	GLU	2.3
40	2i	77	ILE	2.3
47	2p	19	ILE	2.3
50	1s	31	ILE	2.3
1	2A	236	C	2.3
1	2A	2804	C	2.3
32	1a	1262	C	2.3
32	2a	1209	C	2.3
6	2G	50	ALA	2.3
34	1c	189	ALA	2.3
44	2m	33	ALA	2.3
47	1p	7	ALA	2.3
51	1t	97	ALA	2.3
45	2n	41	ARG	2.3
46	1o	88	ARG	2.3
52	1u	6	ARG	2.3
32	2a	90	U	2.3
32	2a	723	U	2.3
7	2H	98	LEU	2.3
33	1b	33	TYR	2.3
32	1a	1041	A	2.3
33	2b	101	MET	2.3
1	1A	385	G	2.3
2	2B	24	G	2.3
6	2G	138	GLN	2.3
17	2V	11	GLN	2.3
32	1a	146	G	2.3
32	1a	158	G	2.3
32	2a	973	G	2.3
32	2a	1089	G	2.3
14	2S	90	GLY	2.3
9	2N	140	VAL	2.3
38	2g	21	VAL	2.3
40	1i	14	VAL	2.3

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Mol	Chain	Res	Type	RSRZ
33	2b	49	GLU	2.3
33	2b	216	SER	2.3
44	2m	16	ASP	2.3
50	1s	12	ASP	2.3
6	2G	102	PHE	2.3
33	1b	17	PHE	2.3
43	2l	30	ALA	2.3
33	2b	144	ARG	2.3
34	2c	126	ARG	2.3
1	2A	1224	C	2.3
32	1a	218	C	2.3
32	1a	1019	C	2.3
32	2a	1028	C	2.3
32	2a	1141	C	2.3
26	24	16	CYS	2.3
33	2b	221	LEU	2.3
37	2f	19	LEU	2.3
44	1m	56	LEU	2.3
1	2A	1105	U	2.3
32	2a	1095	U	2.3
32	2a	1532	U	2.3
40	2i	98	PRO	2.3
8	2I	54	GLN	2.3
18	2W	49	LYS	2.3
1	2A	1111	A	2.3
1	2A	1220	A	2.3
32	1a	1151	A	2.3
32	2a	1093	A	2.3
33	2b	7	VAL	2.3
34	1c	195	VAL	2.3
41	1j	31	GLY	2.3
44	2m	7	VAL	2.3
47	2p	10	GLY	2.3
48	2q	33	GLY	2.3
54	2x	21	A	2.3
1	2A	1106	G	2.3
32	1a	79	G	2.3
32	1a	348	G	2.3
32	1a	380	G	2.3
32	1a	1143	G	2.3
32	2a	933	G	2.3
32	2a	1233	G	2.3

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Mol	Chain	Res	Type	RSRZ
6	2G	57	ALA	2.3
21	1Z	188	ALA	2.3
33	1b	233	SER	2.3
36	2e	5	ASP	2.3
36	2e	45	PHE	2.3
50	1s	27	GLU	2.3
40	2i	54	ASP	2.3
43	1l	112	ASP	2.3
45	2n	59	ALA	2.3
51	2t	11	SER	2.3
35	2d	13	ARG	2.3
48	1q	89	LEU	2.3
51	1t	72	LEU	2.3
22	10	58	THR	2.3
33	2b	67	THR	2.3
1	1A	697	C	2.3
1	1A	1511	C	2.3
1	2A	280	C	2.3
1	2A	2294	C	2.3
32	1a	1141	C	2.3
32	2a	488	C	2.3
41	2j	39	PRO	2.3
54	1x	65	C	2.3
1	1A	2597	U	2.3
2	2B	41	U	2.3
21	2Z	99	TYR	2.3
6	1G	134	GLY	2.3
11	2P	71	VAL	2.3
14	2S	95	HIS	2.3
20	2Y	93	GLY	2.3
5	2F	206	ILE	2.3
33	2b	184	VAL	2.3
33	2b	214	ILE	2.3
1	1A	1222	A	2.3
1	2A	1050	A	2.3
32	1a	270	A	2.3
32	1a	1092	A	2.3
32	1a	1183	A	2.3
32	2a	1067	A	2.3
6	1G	46	ALA	2.3
33	2b	141	GLU	2.3
8	2I	57	ARG	2.3

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Mol	Chain	Res	Type	RSRZ
11	2P	90	ARG	2.3
15	2T	126	ALA	2.3
21	2Z	184	ALA	2.3
21	2Z	190	GLU	2.3
39	2h	102	ARG	2.3
40	1i	82	ALA	2.3
51	1t	8	ARG	2.3
51	1t	79	ARG	2.3
52	1u	24	ARG	2.3
34	2c	20	SER	2.3
1	2A	327	G	2.3
1	2A	859	G	2.3
1	2A	2891	G	2.3
6	2G	53	LEU	2.3
32	1a	306	G	2.3
32	2a	79	G	2.3
41	1j	65	LEU	2.3
41	2j	41	PRO	2.3
50	2s	7	LYS	2.3
51	1t	65	LYS	2.3
41	2j	78	ASN	2.2
1	1A	1594	C	2.2
1	2A	1547	C	2.2
21	2Z	114	GLY	2.2
30	28	35	GLN	2.2
32	1a	932	C	2.2
32	2a	826	C	2.2
32	2a	1037	C	2.2
33	2b	14	GLY	2.2
33	2b	39	ILE	2.2
34	2c	28	GLN	2.2
34	2c	207	VAL	2.2
39	1h	66	GLY	2.2
40	1i	17	VAL	2.2
40	1i	108	VAL	2.2
41	1j	84	GLN	2.2
44	2m	15	VAL	2.2
47	2p	38	TYR	2.2
49	1r	27	GLY	2.2
51	1t	96	GLY	2.2
33	1b	77	ALA	2.2
33	1b	123	ALA	2.2

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Mol	Chain	Res	Type	RSRZ
33	1b	231	GLU	2.2
38	1g	3	ARG	2.2
1	1A	942	A	2.2
32	1a	149	A	2.2
32	2a	1288	A	2.2
6	2G	49	ASP	2.2
39	2h	112	LEU	2.2
47	1p	68	ASP	2.2
51	2t	34	LYS	2.2
41	2j	100	THR	2.2
52	1u	8	THR	2.2
1	1A	927	G	2.2
1	2A	1466	G	2.2
1	2A	2893	G	2.2
2	2B	63	G	2.2
32	1a	183	G	2.2
32	1a	199	G	2.2
32	1a	216	G	2.2
32	1a	650	G	2.2
32	1a	1003	G	2.2
32	1a	1030(C)	G	2.2
32	1a	1144	G	2.2
32	2a	644	G	2.2
32	2a	731	G	2.2
32	2a	987	G	2.2
32	2a	1171	G	2.2
34	2c	198	VAL	2.2
44	1m	101	GLN	2.2
49	2r	50	ILE	2.2
34	1c	201	TYR	2.2
44	2m	92	HIS	2.2
46	1o	69	TYR	2.2
51	1t	18	GLN	2.2
6	2G	80	PHE	2.2
32	1a	202	U	2.2
32	2a	982	U	2.2
1	1A	303	C	2.2
1	1A	948	C	2.2
1	2A	876	C	2.2
1	2A	2789	C	2.2
2	2B	3	C	2.2
12	1Q	10	ARG	2.2

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Mol	Chain	Res	Type	RSRZ
12	1Q	59	ARG	2.2
32	1a	154	C	2.2
32	2a	590	C	2.2
32	2a	1137	C	2.2
34	2c	172	ARG	2.2
35	1d	153	ARG	2.2
38	2g	3	ARG	2.2
40	1i	104	ARG	2.2
41	1j	45	ARG	2.2
44	2m	88	ARG	2.2
50	2s	36	ARG	2.2
55	1y	16	ARG	2.2
5	2F	166	ALA	2.2
11	2P	141	ALA	2.2
37	1f	38	GLU	2.2
40	1i	46	ALA	2.2
44	2m	51	ALA	2.2
36	2e	10	MET	2.2
38	2g	16	LEU	2.2
12	2Q	22	LYS	2.2
19	2X	75	ASP	2.2
2	2B	26	A	2.2
32	2a	975	A	2.2
42	1k	53	SER	2.2
6	2G	165	THR	2.2
41	2j	67	THR	2.2
22	20	23	VAL	2.2
34	2c	120	VAL	2.2
42	2k	29	ILE	2.2
35	1d	87	GLY	2.2
35	2d	2	GLY	2.2
50	1s	9	VAL	2.2
50	2s	11	VAL	2.2
38	1g	13	GLN	2.2
33	2b	31	TYR	2.2
34	2c	63	ASN	2.2
35	1d	138	TYR	2.2
42	1k	25	TYR	2.2
8	1I	61	ARG	2.2
9	1N	115	ARG	2.2
19	2X	68	ARG	2.2
23	11	76	ARG	2.2

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Mol	Chain	Res	Type	RSRZ
24	22	26	ARG	2.2
41	2j	54	PHE	2.2
1	1A	2188	G	2.2
1	1A	2206	G	2.2
1	1A	2213	G	2.2
1	2A	916	G	2.2
1	2A	1062	G	2.2
1	2A	1160	G	2.2
7	2H	96	ALA	2.2
30	28	51	ALA	2.2
3	1D	28	GLU	2.2
11	1P	117	GLU	2.2
32	1a	1021	G	2.2
32	2a	413	G	2.2
32	2a	548	G	2.2
32	2a	1124	G	2.2
32	2a	1131	G	2.2
32	2a	1150	U	2.2
32	2a	1435	G	2.2
36	1e	138	ALA	2.2
45	1n	30	ALA	2.2
49	2r	60	ALA	2.2
36	2e	81	GLU	2.2
38	1g	57	GLU	2.2
54	2x	64	G	2.2
7	2H	171	LEU	2.2
34	1c	47	LEU	2.2
36	2e	53	LEU	2.2
50	1s	34	TRP	2.2
1	2A	34	C	2.2
2	2B	60	C	2.2
32	1a	155	C	2.2
32	1a	1038	C	2.2
32	2a	1007	C	2.2
32	2a	1254	C	2.2
40	2i	112	LYS	2.2
49	1r	68	LYS	2.2
33	1b	131	PRO	2.2
41	1j	73	ASP	2.2
45	2n	60	SER	2.2
26	24	15	ILE	2.2
32	1a	382	A	2.2

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Mol	Chain	Res	Type	RSRZ
32	1a	1093	A	2.2
33	2b	230	VAL	2.2
35	1d	112	VAL	2.2
11	1P	118	GLY	2.2
24	12	51	ARG	2.2
33	2b	21	ARG	2.2
43	2l	59	ARG	2.2
47	2p	25	ARG	2.2
6	1G	50	ALA	2.2
6	2G	61	ALA	2.2
9	1N	47	ALA	2.2
1	2A	12	U	2.2
1	2A	1065	U	2.2
7	2H	58	GLU	2.2
32	1a	841	U	2.2
32	2a	1083	U	2.2
33	2b	134	GLU	2.2
35	1d	166	LYS	2.2
41	2j	88	LEU	2.2
44	2m	31	LYS	2.2
49	2r	62	GLU	2.2
1	2A	2101	G	2.2
7	2H	10	PRO	2.2
20	2Y	77	PRO	2.2
32	2a	70	G	2.2
32	2a	485	G	2.2
32	2a	657	G	2.2
32	2a	1030(C)	G	2.2
32	2a	1108	G	2.2
42	2k	39	PRO	2.2
53	2v	18	G	2.2
1	2A	885	C	2.2
32	1a	1007	C	2.2
32	2a	717	C	2.2
32	2a	990	C	2.2
32	2a	1282	C	2.2
26	24	5	ILE	2.2
38	1g	42	ILE	2.2
40	2i	71	SER	2.2
17	2V	22	VAL	2.2
21	2Z	96	VAL	2.2
23	21	70	VAL	2.2

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Mol	Chain	Res	Type	RSRZ
33	1b	174	VAL	2.2
6	2G	71	THR	2.1
42	1k	28	THR	2.1
1	2A	887	A	2.1
7	2H	3	ARG	2.1
14	2S	38	GLN	2.1
32	2a	10	A	2.1
32	2a	1201	A	2.1
32	2a	1285	A	2.1
35	1d	168	ARG	2.1
35	2d	79	PHE	2.1
39	2h	104	ARG	2.1
44	2m	104	ARG	2.1
47	2p	82	GLN	2.1
44	1m	23	TYR	2.1
3	2D	154	LYS	2.1
19	2X	92	LEU	2.1
23	2l	82	LEU	2.1
34	2c	147	LYS	2.1
34	2c	150	LYS	2.1
34	2c	180	ALA	2.1
38	1g	2	ALA	2.1
44	2m	42	ALA	2.1
9	2N	10	GLU	2.1
20	2Y	91	GLU	2.1
24	12	66	GLU	2.1
33	1b	143	GLU	2.1
32	1a	204	U	2.1
42	2k	42	TRP	2.1
6	2G	87	PRO	2.1
26	24	29	PRO	2.1
6	1G	52	ILE	2.1
34	2c	152	ILE	2.1
21	2Z	175	VAL	2.1
41	2j	94	VAL	2.1
22	10	9	SER	2.1
33	1b	109	SER	2.1
1	1A	928	G	2.1
1	2A	237	C	2.1
1	2A	883	G	2.1
1	2A	1118	C	2.1
1	2A	1169	G	2.1

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Mol	Chain	Res	Type	RSRZ
1	2A	1170	G	2.1
1	2A	1446	C	2.1
1	2A	1447	G	2.1
1	2A	1465	G	2.1
1	2A	1584	C	2.1
1	2A	2191	G	2.1
3	1D	262	ARG	2.1
6	2G	51	ARG	2.1
26	24	52	THR	2.1
32	1a	433	C	2.1
32	1a	1156	G	2.1
32	2a	71	C	2.1
32	2a	77	G	2.1
32	2a	922	G	2.1
32	2a	984	C	2.1
32	2a	1134	G	2.1
32	2a	1218	C	2.1
32	2a	1221	G	2.1
33	2b	19	HIS	2.1
34	2c	95	THR	2.1
52	2u	4	GLY	2.1
40	1i	111	ARG	2.1
50	2s	37	ARG	2.1
1	2A	111	A	2.1
1	2A	1508	A	2.1
8	2I	63	ALA	2.1
32	1a	472	A	2.1
34	2c	50	ALA	2.1
40	1i	106	ALA	2.1
40	2i	88	TYR	2.1
40	2i	106	ALA	2.1
41	1j	32	ALA	2.1
41	2j	8	LEU	2.1
48	1q	74	LEU	2.1
36	1e	83	GLU	2.1
39	2h	136	GLU	2.1
42	2k	92	GLU	2.1
1	2A	2585	U	2.1
5	2F	14	PRO	2.1
32	2a	65	U	2.1
40	1i	49	PRO	2.1
33	2b	182	ILE	2.1

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Mol	Chain	Res	Type	RSRZ
50	2s	49	ILE	2.1
21	2Z	27	VAL	2.1
7	2H	5	GLY	2.1
34	2c	155	GLY	2.1
36	1e	25	ARG	2.1
39	2h	84	ARG	2.1
40	2i	42	ARG	2.1
52	1u	2	GLY	2.1
8	2I	133	HIS	2.1
35	1d	91	SER	2.1
51	2t	70	SER	2.1
4	1E	57	LYS	2.1
39	1h	56	LYS	2.1
40	1i	40	LEU	2.1
1	1A	2486	C	2.1
1	2A	903	C	2.1
1	2A	2140	C	2.1
15	2T	94	ALA	2.1
21	2Z	189	ALA	2.1
32	1a	67	C	2.1
32	1a	176	C	2.1
32	1a	840	C	2.1
32	1a	1037	C	2.1
32	2a	217	C	2.1
40	2i	122	ALA	2.1
41	2j	20	ALA	2.1
54	2x	48	C	2.1
6	1G	146	TYR	2.1
26	14	32	TYR	2.1
39	1h	20	TYR	2.1
40	1i	4	TYR	2.1
1	2A	1719	G	2.1
1	2A	2207	G	2.1
32	1a	181	G	2.1
32	1a	471	G	2.1
32	1a	933	G	2.1
32	2a	505	G	2.1
32	2a	1139	G	2.1
32	2a	1316	G	2.1
32	2a	1356	G	2.1
1	2A	1509(A)	A	2.1
32	1a	196	A	2.1

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Mol	Chain	Res	Type	RSRZ
32	2a	1130	A	2.1
32	2a	1252	A	2.1
32	2a	1363(A)	A	2.1
8	2I	71	ILE	2.1
33	1b	200	ILE	2.1
33	2b	42	ILE	2.1
1	2A	1097	U	2.1
32	1a	992	U	2.1
32	1a	1212	U	2.1
32	2a	1086	U	2.1
54	2x	20	U	2.1
45	2n	33	VAL	2.1
29	17	47	ARG	2.1
30	28	46	ARG	2.1
34	2c	194	GLY	2.1
36	2e	23	GLY	2.1
39	1h	84	ARG	2.1
44	2m	26	GLY	2.1
44	2m	99	ARG	2.1
7	2H	123	PHE	2.1
24	22	8	LYS	2.1
21	1Z	125	LEU	2.1
29	27	43	THR	2.1
26	24	46	GLN	2.1
40	1i	50	LEU	2.1
44	2m	43	THR	2.1
33	1b	135	GLN	2.1
48	1q	99	SER	2.1
33	2b	177	ALA	2.1
40	1i	52	ALA	2.1
40	2i	46	ALA	2.1
50	1s	50	ALA	2.1
11	2P	110	TYR	2.1
1	2A	106	C	2.1
3	2D	45	ASN	2.1
32	1a	1147	C	2.1
32	1a	1354	C	2.1
32	2a	589	C	2.1
32	2a	980	C	2.1
32	2a	1006	C	2.1
32	2a	1270	C	2.1
32	2a	1284	C	2.1

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Mol	Chain	Res	Type	RSRZ
32	2a	1403	C	2.1
48	2q	24	GLU	2.1
6	2G	122	PRO	2.1
40	2i	74	ILE	2.1
46	1o	82	ILE	2.1
52	1u	13	ILE	2.1
1	1A	965	G	2.1
1	1A	1554	A	2.1
1	1A	2903	G	2.1
1	2A	274	G	2.1
1	2A	1115	G	2.1
1	2A	1448	G	2.1
1	2A	1847	A	2.1
1	2A	1859	A	2.1
1	2A	2319	G	2.1
1	2A	2751	G	2.1
32	1a	156	G	2.1
32	1a	159	G	2.1
32	1a	200	G	2.1
32	1a	631	G	2.1
32	2a	331	G	2.1
32	2a	951	G	2.1
32	2a	1117	G	2.1
32	2a	1177	G	2.1
32	2a	1185	G	2.1
32	2a	1258	G	2.1
32	2a	1276	G	2.1
32	2a	1442	G	2.1
8	2I	81	VAL	2.1
14	2S	46	VAL	2.1
19	2X	81	VAL	2.1
33	2b	197	VAL	2.1
40	2i	41	VAL	2.1
50	2s	67	VAL	2.1
32	1a	65	U	2.1
40	2i	83	ARG	2.1
44	2m	55	ARG	2.1
49	2r	55	ARG	2.1
6	2G	67	LYS	2.1
33	2b	139	LYS	2.1
41	2j	36	GLY	2.1
47	1p	37	GLY	2.1

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Mol	Chain	Res	Type	RSRZ
4	1E	195	LEU	2.0
6	2G	43	LEU	2.0
7	1H	87	LEU	2.0
14	2S	56	LEU	2.0
24	22	3	LEU	2.0
24	22	60	LEU	2.0
33	2b	61	LEU	2.0
33	1b	168	THR	2.0
41	2j	87	THR	2.0
14	2S	52	SER	2.0
21	1Z	166	SER	2.0
33	2b	192	SER	2.0
34	2c	65	ALA	2.0
36	2e	21	ALA	2.0
7	2H	164	TYR	2.0
26	24	43	TYR	2.0
39	1h	58	TYR	2.0
6	2G	137	GLU	2.0
34	2c	105	GLU	2.0
33	2b	185	ILE	2.0
39	1h	86	ILE	2.0
41	1j	75	ILE	2.0
44	1m	22	ILE	2.0
32	1a	175	C	2.0
32	1a	395	C	2.0
32	2a	470	C	2.0
32	2a	1066	C	2.0
32	2a	1244	C	2.0
32	2a	1259	C	2.0
32	2a	1262	C	2.0
33	1b	97	TRP	2.0
20	2Y	97	ARG	2.0
26	24	58	ARG	2.0
35	1d	133	VAL	2.0
40	2i	53	VAL	2.0
44	2m	17	VAL	2.0
49	1r	42	ARG	2.0
7	1H	175	LYS	2.0
1	1A	572	A	2.0
1	2A	1469	A	2.0
10	2O	99	PHE	2.0
23	21	79	GLY	2.0

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Mol	Chain	Res	Type	RSRZ
26	24	36	CYS	2.0
32	1a	1005	A	2.0
33	2b	99	GLY	2.0
40	2i	30	GLY	2.0
42	1k	45	GLY	2.0
14	2S	73	LEU	2.0
26	24	9	LEU	2.0
32	1a	991	U	2.0
1	2A	242	G	2.0
1	2A	879	G	2.0
1	2A	880	G	2.0
1	2A	892	G	2.0
1	2A	2315	G	2.0
2	2B	67	G	2.0
32	1a	73	G	2.0
32	1a	693	G	2.0
32	2a	660	G	2.0
32	2a	1442(A)	G	2.0
34	2c	6	HIS	2.0
34	2c	188	LEU	2.0
34	2c	196	LEU	2.0
36	1e	53	LEU	2.0
42	1k	98	LEU	2.0
54	2x	63	G	2.0
41	1j	42	THR	2.0
45	2n	22	THR	2.0
3	2D	171	ASP	2.0
8	2I	46	ALA	2.0
8	2I	55	ALA	2.0
10	2O	56	ASP	2.0
22	20	56	ASP	2.0
40	1i	43	ALA	2.0
44	2m	47	ASP	2.0
48	1q	13	ASP	2.0
21	2Z	166	SER	2.0
42	2k	44	SER	2.0
6	1G	25	TYR	2.0
22	20	26	TYR	2.0
20	2Y	66	PRO	2.0
33	2b	91	PRO	2.0
33	2b	126	GLU	2.0
43	1l	5	PRO	2.0

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Mol	Chain	Res	Type	RSRZ
45	2n	14	PRO	2.0
20	2Y	5	MET	2.0
18	2W	68	ARG	2.0
19	1X	68	ARG	2.0
35	1d	203	VAL	2.0
36	2e	25	ARG	2.0
39	1h	95	VAL	2.0
40	1i	86	VAL	2.0
45	1n	23	ARG	2.0
45	1n	61	TRP	2.0
6	2G	180	PHE	2.0
14	2S	58	LEU	2.0
33	1b	10	LEU	2.0
33	2b	154	LEU	2.0
40	1i	33	PHE	2.0
1	2A	2097	C	2.0
1	2A	2313	C	2.0
32	1a	72	C	2.0
32	1a	194	C	2.0
32	1a	455	C	2.0
32	2a	1140	C	2.0
32	2a	1242	C	2.0
32	2a	1327	C	2.0
33	2b	113	HIS	2.0
54	2x	17	C	2.0

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

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
54	PSU	2x	55	20/21	0.78	0.17	54,59,67,69	0
1	5MU	2A	1915	21/22	0.79	0.15	58,65,81,94	0
32	2MG	2a	1207	24/25	0.81	0.14	58,64,73,77	0
32	PSU	2a	516	20/21	0.83	0.15	58,63,69,71	0
1	5MU	1A	1937	21/22	0.84	0.18	50,57,72,76	0
54	5MU	2x	54	21/22	0.85	0.14	56,60,63,66	0
1	PSU	1A	1939	20/21	0.86	0.15	34,47,52,52	0
43	0TD	2l	92	10/11	0.86	0.14	50,53,56,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
1	PSU	2A	1917	20/21	0.87	0.14	46,58,67,72	0
32	7MG	2a	527	24/25	0.87	0.14	52,56,62,67	0
32	2MG	1a	1207	24/25	0.88	0.14	54,58,61,69	0
32	5MC	2a	967	21/22	0.88	0.15	52,56,63,69	0
32	M2G	2a	966	25/26	0.89	0.14	48,53,60,61	0
32	5MC	1a	1400	21/22	0.90	0.13	39,42,46,48	0
32	5MC	2a	1400	21/22	0.91	0.12	54,59,62,64	0
1	OMC	2A	1920	21/22	0.91	0.13	39,46,48,50	0
54	4SU	2x	8	20/21	0.91	0.13	51,57,61,61	0
54	5MC	2x	32	21/22	0.91	0.12	46,55,57,59	0
32	PSU	1a	516	20/21	0.91	0.11	39,48,50,50	0
1	PSU	2A	1911	20/21	0.91	0.12	45,51,57,60	0
54	5MC	1x	32	21/22	0.92	0.11	36,39,43,49	0
32	4OC	2a	1402	22/23	0.92	0.13	44,50,53,56	0
32	7MG	1a	527	24/25	0.92	0.12	33,38,43,46	0
32	5MC	1a	1404	21/22	0.92	0.11	27,31,34,45	0
32	M2G	1a	966	25/26	0.93	0.11	34,37,46,48	0
43	0TD	1l	92	10/11	0.93	0.11	41,43,47,48	0
54	5MU	1x	54	21/22	0.93	0.11	43,48,53,60	0
54	4SU	1x	8	20/21	0.93	0.11	36,42,44,45	0
54	PSU	1x	55	20/21	0.93	0.10	37,44,48,52	0
1	5MC	2A	1942	21/22	0.93	0.11	35,37,40,45	0
32	5MC	2a	1407	21/22	0.94	0.12	35,44,46,47	0
32	UR3	2a	1498	21/22	0.94	0.13	39,44,48,51	0
32	MA6	2a	1518	24/25	0.94	0.11	41,45,47,48	0
32	5MC	1a	1407	21/22	0.94	0.11	27,31,35,36	0
32	5MC	1a	967	21/22	0.94	0.10	35,43,47,49	0
32	5MC	2a	1404	21/22	0.94	0.10	36,41,44,47	0
32	4OC	1a	1402	22/23	0.95	0.11	31,35,37,39	0
1	PSU	1A	1933	20/21	0.95	0.11	31,43,46,49	0
32	MA6	2a	1519	24/25	0.95	0.12	37,43,46,49	0
1	5MC	1A	1964	21/22	0.95	0.11	25,29,33,40	0
1	5MC	2A	1962	21/22	0.96	0.09	30,33,36,42	0
1	2MA	2A	2503	23/24	0.96	0.10	18,21,24,27	0
1	OMU	2A	2552	21/22	0.96	0.09	26,27,29,31	0
1	OMC	1A	1942	21/22	0.96	0.10	26,34,40,42	0
1	5MU	2A	1939	21/22	0.96	0.08	26,28,30,31	0
32	MA6	1a	1518	24/25	0.96	0.10	23,27,28,29	0
1	OMU	1A	2564	21/22	0.97	0.09	14,18,20,21	0
32	UR3	1a	1498	21/22	0.97	0.07	26,29,32,33	0
1	PSU	2A	2605	20/21	0.97	0.09	22,26,27,27	0
1	PSU	1A	2617	20/21	0.97	0.08	10,12,14,16	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MA6	1a	1519	24/25	0.97	0.08	24,28,29,31	0
1	OMG	2A	2251	24/25	0.97	0.09	19,25,27,28	0
1	2MA	1A	2515	23/24	0.98	0.07	5,9,11,15	0
1	5MU	1A	1961	21/22	0.98	0.08	12,16,19,21	0
1	5MC	1A	1984	21/22	0.98	0.07	19,23,25,30	0
1	OMG	1A	2263	24/25	0.98	0.07	9,10,12,12	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
56	MG	2A	3477	1/1	0.12	0.39	62,62,62,62	0
56	MG	2a	1667	1/1	0.25	0.28	79,79,79,79	0
56	MG	2a	1725	1/1	0.33	0.27	71,71,71,71	0
56	MG	1a	1748	1/1	0.34	0.21	65,65,65,65	0
56	MG	2a	1805	1/1	0.34	0.38	94,94,94,94	0
56	MG	2a	1780	1/1	0.46	0.38	77,77,77,77	0
56	MG	2l	201	1/1	0.46	0.17	65,65,65,65	0
56	MG	2a	1716	1/1	0.47	0.22	65,65,65,65	0
56	MG	2A	3872	1/1	0.49	0.22	69,69,69,69	0
56	MG	2a	1758	1/1	0.52	0.29	83,83,83,83	0
56	MG	2a	1807	1/1	0.53	0.15	58,58,58,58	0
56	MG	2a	1713	1/1	0.53	0.19	59,59,59,59	0
56	MG	1a	1796	1/1	0.54	0.27	58,58,58,58	0
56	MG	2A	3690	1/1	0.55	0.31	67,67,67,67	0
56	MG	2A	3362	1/1	0.55	0.27	61,61,61,61	0
56	MG	2H	8002	1/1	0.55	0.23	79,79,79,79	0
56	MG	1a	1768	1/1	0.56	0.15	53,53,53,53	0
56	MG	2a	1676	1/1	0.56	0.17	65,65,65,65	0
56	MG	2A	3684	1/1	0.58	0.21	68,68,68,68	0
56	MG	2A	3098	1/1	0.58	0.33	62,62,62,62	0
56	MG	2d	504	1/1	0.60	0.13	64,64,64,64	0
56	MG	2B	3002	1/1	0.60	0.21	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2D	316	1/1	0.61	0.15	47,47,47,47	0
56	MG	2A	3532	1/1	0.61	0.25	54,54,54,54	0
56	MG	2a	1705	1/1	0.61	0.17	63,63,63,63	0
56	MG	2a	1806	1/1	0.62	0.20	65,65,65,65	0
56	MG	2A	3482	1/1	0.62	0.20	43,43,43,43	0
56	MG	2A	3504	1/1	0.62	0.16	45,45,45,45	0
56	MG	2a	1711	1/1	0.62	0.16	64,64,64,64	0
56	MG	2A	3905	1/1	0.63	0.23	56,56,56,56	0
56	MG	2h	3002	1/1	0.63	0.22	64,64,64,64	0
56	MG	2a	1718	1/1	0.63	0.42	72,72,72,72	0
56	MG	2D	317	1/1	0.64	0.29	59,59,59,59	0
56	MG	2A	3702	1/1	0.64	0.21	55,55,55,55	0
56	MG	2A	3763	1/1	0.64	0.35	51,51,51,51	0
56	MG	2a	1752	1/1	0.65	0.41	71,71,71,71	0
56	MG	2B	3014	1/1	0.65	0.18	66,66,66,66	0
56	MG	2A	3605	1/1	0.65	0.15	35,35,35,35	0
56	MG	2A	3057	1/1	0.66	0.16	42,42,42,42	0
56	MG	2A	3061	1/1	0.66	0.17	68,68,68,68	0
56	MG	1A	8250	1/1	0.66	0.14	50,50,50,50	0
56	MG	2G	3003	1/1	0.66	0.13	59,59,59,59	0
56	MG	2A	3757	1/1	0.66	0.18	32,32,32,32	0
56	MG	2a	1715	1/1	0.66	0.17	50,50,50,50	0
56	MG	2a	1769	1/1	0.67	0.19	59,59,59,59	0
56	MG	2A	3535	1/1	0.67	0.15	55,55,55,55	0
56	MG	2A	3563	1/1	0.67	0.22	51,51,51,51	0
56	MG	2B	3015	1/1	0.67	0.14	59,59,59,59	0
56	MG	2B	3017	1/1	0.67	0.22	74,74,74,74	0
56	MG	2A	3326	1/1	0.67	0.17	55,55,55,55	0
56	MG	2a	1710	1/1	0.67	0.21	55,55,55,55	0
56	MG	2A	3744	1/1	0.67	0.32	45,45,45,45	0
56	MG	1a	1759	1/1	0.68	0.23	63,63,63,63	0
56	MG	2A	3079	1/1	0.68	0.48	61,61,61,61	0
56	MG	25	104	1/1	0.68	0.20	53,53,53,53	0
56	MG	2a	1635	1/1	0.68	0.23	69,69,69,69	0
56	MG	2A	3728	1/1	0.69	0.13	56,56,56,56	0
56	MG	2a	1726	1/1	0.69	0.17	51,51,51,51	0
56	MG	2H	8001	1/1	0.69	0.13	71,71,71,71	0
56	MG	1B	3016	1/1	0.69	0.25	51,51,51,51	0
56	MG	1x	3005	1/1	0.69	0.13	51,51,51,51	0
56	MG	2a	1625	1/1	0.69	0.24	63,63,63,63	0
56	MG	2x	104	1/1	0.69	0.26	68,68,68,68	0
56	MG	2A	3524	1/1	0.70	0.18	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3281	1/1	0.70	0.19	52,52,52,52	0
56	MG	1a	1775	1/1	0.70	0.15	41,41,41,41	0
56	MG	2B	3021	1/1	0.70	0.18	50,50,50,50	0
56	MG	2A	3551	1/1	0.70	0.15	34,34,34,34	0
56	MG	2a	1611	1/1	0.70	0.13	61,61,61,61	0
56	MG	2A	3914	1/1	0.71	0.25	51,51,51,51	0
56	MG	1A	8798	1/1	0.71	0.16	24,24,24,24	0
56	MG	2a	1672	1/1	0.71	0.13	64,64,64,64	0
56	MG	2A	3037	1/1	0.71	0.17	50,50,50,50	0
56	MG	2A	3252	1/1	0.71	0.19	53,53,53,53	0
56	MG	2A	3846	1/1	0.71	0.19	38,38,38,38	0
56	MG	2A	3679	1/1	0.71	0.18	60,60,60,60	0
56	MG	2A	3742	1/1	0.71	0.41	35,35,35,35	0
56	MG	2A	3958	1/1	0.72	0.20	51,51,51,51	0
56	MG	2A	3664	1/1	0.72	0.13	25,25,25,25	0
56	MG	1a	1726	1/1	0.72	0.20	56,56,56,56	0
56	MG	1a	1733	1/1	0.72	0.13	58,58,58,58	0
56	MG	1A	8628	1/1	0.72	0.28	62,62,62,62	0
56	MG	2A	3866	1/1	0.72	0.23	84,84,84,84	0
56	MG	2A	3480	1/1	0.72	0.19	63,63,63,63	0
56	MG	1A	8689	1/1	0.72	0.22	33,33,33,33	0
56	MG	1B	3027	1/1	0.72	0.18	66,66,66,66	0
56	MG	2a	1679	1/1	0.72	0.16	51,51,51,51	0
56	MG	1A	8921	1/1	0.73	0.16	52,52,52,52	0
56	MG	1a	1670	1/1	0.73	0.28	44,44,44,44	0
56	MG	1a	1791	1/1	0.73	0.14	56,56,56,56	0
56	MG	2a	1812	1/1	0.73	0.15	64,64,64,64	0
56	MG	2a	1816	1/1	0.73	0.14	56,56,56,56	0
56	MG	2A	3864	1/1	0.73	0.14	39,39,39,39	0
56	MG	2A	3967	1/1	0.73	0.30	55,55,55,55	0
56	MG	1A	8784	1/1	0.73	0.14	38,38,38,38	0
56	MG	2a	1784	1/1	0.73	0.21	64,64,64,64	0
56	MG	1a	1735	1/1	0.74	0.13	54,54,54,54	0
56	MG	1G	3002	1/1	0.74	0.18	44,44,44,44	0
56	MG	2A	3520	1/1	0.74	0.13	74,74,74,74	0
56	MG	2D	301	1/1	0.74	0.21	52,52,52,52	0
56	MG	2a	1660	1/1	0.74	0.28	59,59,59,59	0
56	MG	2A	3699	1/1	0.74	0.17	46,46,46,46	0
56	MG	2A	3799	1/1	0.74	0.12	54,54,54,54	0
56	MG	2A	3840	1/1	0.74	0.14	42,42,42,42	0
56	MG	1a	1749	1/1	0.74	0.26	54,54,54,54	0
56	MG	2a	1702	1/1	0.74	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
56	MG	1A	8468	1/1	0.74	0.13	29,29,29,29	0
56	MG	1A	8616	1/1	0.75	0.19	61,61,61,61	0
56	MG	2A	3314	1/1	0.75	0.14	22,22,22,22	0
56	MG	1A	8742	1/1	0.75	0.18	50,50,50,50	0
56	MG	2A	3686	1/1	0.75	0.13	53,53,53,53	0
56	MG	2A	3865	1/1	0.75	0.11	48,48,48,48	0
56	MG	1a	1667	1/1	0.76	0.30	59,59,59,59	0
56	MG	1A	8701	1/1	0.76	0.19	49,49,49,49	0
56	MG	2A	3755	1/1	0.76	0.12	50,50,50,50	0
56	MG	1A	8291	1/1	0.76	0.34	13,13,13,13	0
56	MG	1A	8159	1/1	0.76	0.13	21,21,21,21	0
56	MG	2a	1707	1/1	0.76	0.23	61,61,61,61	0
56	MG	2A	3962	1/1	0.76	0.33	54,54,54,54	0
56	MG	1F	301	1/1	0.76	0.20	21,21,21,21	0
56	MG	2A	3806	1/1	0.76	0.21	65,65,65,65	0
56	MG	2a	1620	1/1	0.76	0.21	69,69,69,69	0
56	MG	1a	1801	1/1	0.76	0.15	60,60,60,60	0
56	MG	1A	8615	1/1	0.76	0.20	13,13,13,13	0
56	MG	1a	1636	1/1	0.76	0.13	56,56,56,56	0
56	MG	1a	1751	1/1	0.76	0.12	59,59,59,59	0
56	MG	1A	8888	1/1	0.77	0.29	62,62,62,62	0
56	MG	1a	1731	1/1	0.77	0.16	64,64,64,64	0
56	MG	1A	8413	1/1	0.77	0.15	44,44,44,44	0
56	MG	2A	3201	1/1	0.77	0.13	51,51,51,51	0
56	MG	2a	1775	1/1	0.77	0.23	68,68,68,68	0
56	MG	2a	1695	1/1	0.77	0.19	53,53,53,53	0
56	MG	2A	3049	1/1	0.77	0.14	43,43,43,43	0
56	MG	2A	3267	1/1	0.77	0.22	58,58,58,58	0
56	MG	2A	3603	1/1	0.77	0.19	53,53,53,53	0
56	MG	2A	3484	1/1	0.77	0.24	57,57,57,57	0
56	MG	2A	3637	1/1	0.77	0.22	48,48,48,48	0
56	MG	2A	3660	1/1	0.77	0.11	51,51,51,51	0
56	MG	2A	3503	1/1	0.77	0.17	47,47,47,47	0
56	MG	2A	3798	1/1	0.77	0.14	59,59,59,59	0
56	MG	2A	3667	1/1	0.77	0.11	58,58,58,58	0
56	MG	1A	8177	1/1	0.77	0.13	55,55,55,55	0
56	MG	2A	3072	1/1	0.78	0.12	36,36,36,36	0
56	MG	1f	8001	1/1	0.78	0.14	36,36,36,36	0
56	MG	1a	1671	1/1	0.78	0.21	39,39,39,39	0
56	MG	2a	1753	1/1	0.78	0.11	57,57,57,57	0
56	MG	2A	3591	1/1	0.78	0.11	51,51,51,51	0
56	MG	2A	3131	1/1	0.78	0.73	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3706	1/1	0.78	0.14	32,32,32,32	0
56	MG	2A	3719	1/1	0.78	0.49	37,37,37,37	0
56	MG	2A	3144	1/1	0.78	0.25	63,63,63,63	0
56	MG	2E	303	1/1	0.78	0.12	64,64,64,64	0
56	MG	1a	1642	1/1	0.78	0.16	57,57,57,57	0
56	MG	2A	3367	1/1	0.78	0.14	55,55,55,55	0
56	MG	2A	3368	1/1	0.78	0.28	54,54,54,54	0
56	MG	2a	1712	1/1	0.78	0.19	64,64,64,64	0
56	MG	2A	3917	1/1	0.78	0.35	49,49,49,49	0
56	MG	2A	3527	1/1	0.78	0.20	42,42,42,42	0
56	MG	2A	3428	1/1	0.78	0.13	30,30,30,30	0
56	MG	2A	3782	1/1	0.78	0.15	60,60,60,60	0
56	MG	1a	1753	1/1	0.79	0.14	54,54,54,54	0
56	MG	1A	8636	1/1	0.79	0.12	45,45,45,45	0
56	MG	2A	3921	1/1	0.79	0.22	19,19,19,19	0
56	MG	27	102	1/1	0.79	0.18	56,56,56,56	0
56	MG	2A	3923	1/1	0.79	0.14	39,39,39,39	0
56	MG	2A	3539	1/1	0.79	0.15	47,47,47,47	0
56	MG	2a	1744	1/1	0.79	0.15	43,43,43,43	0
56	MG	2A	3683	1/1	0.79	0.12	73,73,73,73	0
56	MG	1A	8058	1/1	0.79	0.17	44,44,44,44	0
56	MG	2a	1640	1/1	0.79	0.17	64,64,64,64	0
56	MG	2a	1656	1/1	0.79	0.10	65,65,65,65	0
56	MG	2A	3490	1/1	0.79	0.12	39,39,39,39	0
56	MG	2A	3576	1/1	0.79	0.15	47,47,47,47	0
56	MG	1H	202	1/1	0.79	0.12	39,39,39,39	0
56	MG	2A	3596	1/1	0.79	0.13	35,35,35,35	0
56	MG	1a	1618	1/1	0.79	0.19	57,57,57,57	0
56	MG	2B	3025	1/1	0.79	0.12	52,52,52,52	0
56	MG	2A	3202	1/1	0.79	0.33	42,42,42,42	0
56	MG	1a	1686	1/1	0.79	0.17	46,46,46,46	0
56	MG	2A	3870	1/1	0.79	0.16	63,63,63,63	0
56	MG	2A	3657	1/1	0.79	0.20	33,33,33,33	0
56	MG	2G	3002	1/1	0.79	0.16	63,63,63,63	0
56	MG	1E	306	1/1	0.79	0.09	41,41,41,41	0
56	MG	2x	109	1/1	0.79	0.21	56,56,56,56	0
56	MG	2A	3479	1/1	0.80	0.10	26,26,26,26	0
56	MG	2a	1717	1/1	0.80	0.22	54,54,54,54	0
56	MG	2a	1622	1/1	0.80	0.16	59,59,59,59	0
56	MG	2a	1720	1/1	0.80	0.11	43,43,43,43	0
56	MG	1a	1825	1/1	0.80	0.14	43,43,43,43	0
56	MG	1d	502	1/1	0.80	0.23	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1638	1/1	0.80	0.26	54,54,54,54	0
56	MG	1A	8220	1/1	0.80	0.16	52,52,52,52	0
56	MG	2a	1646	1/1	0.80	0.32	48,48,48,48	0
56	MG	2B	3020	1/1	0.80	0.14	54,54,54,54	0
56	MG	1A	8800	1/1	0.80	0.14	44,44,44,44	0
56	MG	2A	3317	1/1	0.80	0.14	68,68,68,68	0
56	MG	2a	1779	1/1	0.80	0.14	48,48,48,48	0
56	MG	1x	3007	1/1	0.80	0.20	37,37,37,37	0
56	MG	2A	3509	1/1	0.80	0.24	66,66,66,66	0
56	MG	1A	8871	1/1	0.80	0.23	38,38,38,38	0
56	MG	2A	3523	1/1	0.80	0.16	38,38,38,38	0
56	MG	2A	3174	1/1	0.80	0.22	40,40,40,40	0
56	MG	2A	3180	1/1	0.80	0.12	46,46,46,46	0
56	MG	2A	3781	1/1	0.80	0.15	51,51,51,51	0
56	MG	1N	203	1/1	0.80	0.11	47,47,47,47	0
56	MG	2R	201	1/1	0.80	0.16	42,42,42,42	0
56	MG	2A	3433	1/1	0.80	0.15	43,43,43,43	0
56	MG	1A	8339	1/1	0.80	0.11	32,32,32,32	0
56	MG	2A	3985	1/1	0.80	0.12	39,39,39,39	0
59	K	2A	3001	1/1	0.80	0.23	65,65,65,65	0
56	MG	2a	1699	1/1	0.81	0.23	68,68,68,68	0
56	MG	2A	3720	1/1	0.81	0.19	60,60,60,60	0
56	MG	1A	8172	1/1	0.81	0.30	53,53,53,53	0
56	MG	2A	3069	1/1	0.81	0.29	36,36,36,36	0
56	MG	2A	3553	1/1	0.81	0.16	52,52,52,52	0
56	MG	1A	8803	1/1	0.81	0.16	59,59,59,59	0
56	MG	1A	8536	1/1	0.81	0.11	54,54,54,54	0
56	MG	2A	3587	1/1	0.81	0.56	39,39,39,39	0
56	MG	2a	1714	1/1	0.81	0.12	60,60,60,60	0
56	MG	2A	3370	1/1	0.81	0.10	21,21,21,21	0
56	MG	2A	3091	1/1	0.81	0.18	50,50,50,50	0
56	MG	1a	1797	1/1	0.81	0.18	47,47,47,47	0
56	MG	2A	3114	1/1	0.81	0.12	33,33,33,33	0
56	MG	2A	3606	1/1	0.81	0.13	42,42,42,42	0
56	MG	2A	3823	1/1	0.81	0.15	43,43,43,43	0
56	MG	2A	3833	1/1	0.81	0.15	28,28,28,28	0
56	MG	2a	1735	1/1	0.81	0.12	51,51,51,51	0
56	MG	2A	3633	1/1	0.81	0.18	44,44,44,44	0
56	MG	2Y	201	1/1	0.81	0.35	85,85,85,85	0
56	MG	2A	3124	1/1	0.81	0.14	46,46,46,46	0
56	MG	2A	3863	1/1	0.81	0.20	54,54,54,54	0
56	MG	1A	8629	1/1	0.81	0.10	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8915	1/1	0.81	0.15	38,38,38,38	0
56	MG	1a	1614	1/1	0.81	0.24	52,52,52,52	0
56	MG	2A	3666	1/1	0.81	0.11	48,48,48,48	0
56	MG	1d	506	1/1	0.81	0.12	77,77,77,77	0
56	MG	2A	3673	1/1	0.81	0.15	41,41,41,41	0
56	MG	1A	8753	1/1	0.81	0.21	13,13,13,13	0
56	MG	1l	203	1/1	0.81	0.18	56,56,56,56	0
56	MG	2A	3224	1/1	0.81	0.25	48,48,48,48	0
56	MG	1a	1629	1/1	0.81	0.19	36,36,36,36	0
56	MG	2a	1666	1/1	0.81	0.13	55,55,55,55	0
56	MG	2A	3261	1/1	0.81	0.37	42,42,42,42	0
56	MG	1A	8419	1/1	0.81	0.13	31,31,31,31	0
56	MG	1B	3017	1/1	0.81	0.11	44,44,44,44	0
56	MG	2x	105	1/1	0.81	0.31	59,59,59,59	0
56	MG	1B	3026	1/1	0.81	0.10	35,35,35,35	0
56	MG	1A	8683	1/1	0.81	0.14	30,30,30,30	0
56	MG	1a	1746	1/1	0.82	0.10	44,44,44,44	0
56	MG	1a	1639	1/1	0.82	0.24	50,50,50,50	0
56	MG	2G	3001	1/1	0.82	0.10	67,67,67,67	0
56	MG	1A	8717	1/1	0.82	0.11	16,16,16,16	0
56	MG	1n	101	1/1	0.82	0.29	51,51,51,51	0
56	MG	1a	1661	1/1	0.82	0.14	48,48,48,48	0
56	MG	1A	8527	1/1	0.82	0.08	11,11,11,11	0
56	MG	2P	203	1/1	0.82	0.12	63,63,63,63	0
56	MG	10	101	1/1	0.82	0.22	42,42,42,42	0
56	MG	2U	204	1/1	0.82	0.24	52,52,52,52	0
56	MG	15	106	1/1	0.82	0.24	20,20,20,20	0
56	MG	23	101	1/1	0.82	0.22	51,51,51,51	0
56	MG	2A	3899	1/1	0.82	0.27	62,62,62,62	0
56	MG	2A	3726	1/1	0.82	0.11	50,50,50,50	0
56	MG	29	502	1/1	0.82	0.15	53,53,53,53	0
56	MG	1A	8745	1/1	0.82	0.18	17,17,17,17	0
56	MG	2A	3620	1/1	0.82	0.14	61,61,61,61	0
56	MG	1a	1777	1/1	0.82	0.16	56,56,56,56	0
56	MG	1a	1789	1/1	0.82	0.23	61,61,61,61	0
56	MG	1a	1692	1/1	0.82	0.13	40,40,40,40	0
56	MG	2A	3761	1/1	0.82	0.16	43,43,43,43	0
56	MG	1A	8362	1/1	0.82	0.21	52,52,52,52	0
56	MG	2A	3768	1/1	0.82	0.13	42,42,42,42	0
56	MG	1a	1729	1/1	0.82	0.15	52,52,52,52	0
56	MG	2B	3006	1/1	0.82	0.11	48,48,48,48	0
56	MG	2A	3339	1/1	0.82	0.11	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1809	1/1	0.82	0.17	81,81,81,81	0
56	MG	2A	3786	1/1	0.82	0.14	62,62,62,62	0
56	MG	1B	3001	1/1	0.82	0.16	37,37,37,37	0
56	MG	2A	3668	1/1	0.82	0.33	57,57,57,57	0
56	MG	1a	1635	1/1	0.82	0.16	38,38,38,38	0
56	MG	2a	1680	1/1	0.82	0.20	59,59,59,59	0
56	MG	2B	3024	1/1	0.82	0.14	61,61,61,61	0
56	MG	1A	8853	1/1	0.82	0.14	50,50,50,50	0
56	MG	2A	3125	1/1	0.82	0.46	39,39,39,39	0
56	MG	2x	111	1/1	0.82	0.17	67,67,67,67	0
56	MG	2A	3835	1/1	0.82	0.13	40,40,40,40	0
56	MG	1a	1707	1/1	0.83	0.14	51,51,51,51	0
56	MG	2a	1610	1/1	0.83	0.36	63,63,63,63	0
56	MG	2B	3009	1/1	0.83	0.14	67,67,67,67	0
56	MG	2a	1615	1/1	0.83	0.26	50,50,50,50	0
56	MG	2A	3837	1/1	0.83	0.12	21,21,21,21	0
56	MG	1A	8559	1/1	0.83	0.14	43,43,43,43	0
56	MG	2A	3724	1/1	0.83	0.19	50,50,50,50	0
56	MG	1A	8593	1/1	0.83	0.22	16,16,16,16	0
56	MG	18	101	1/1	0.83	0.22	49,49,49,49	0
56	MG	2A	3232	1/1	0.83	0.13	46,46,46,46	0
56	MG	2a	1643	1/1	0.83	0.30	57,57,57,57	0
56	MG	2A	3468	1/1	0.83	0.11	47,47,47,47	0
56	MG	2a	1655	1/1	0.83	0.09	48,48,48,48	0
56	MG	2A	3248	1/1	0.83	0.18	34,34,34,34	0
56	MG	2D	313	1/1	0.83	0.17	32,32,32,32	0
56	MG	1A	8759	1/1	0.83	0.17	15,15,15,15	0
56	MG	2A	3879	1/1	0.83	0.14	36,36,36,36	0
56	MG	2A	3893	1/1	0.83	0.14	44,44,44,44	0
56	MG	2a	1795	1/1	0.83	0.14	65,65,65,65	0
56	MG	1a	1779	1/1	0.83	0.13	50,50,50,50	0
56	MG	1A	8813	1/1	0.83	0.10	11,11,11,11	0
56	MG	1A	8498	1/1	0.83	0.14	34,34,34,34	0
56	MG	2a	1683	1/1	0.83	0.20	61,61,61,61	0
56	MG	2a	1690	1/1	0.83	0.10	57,57,57,57	0
56	MG	2A	3681	1/1	0.83	0.20	57,57,57,57	0
56	MG	2A	3590	1/1	0.83	0.12	65,65,65,65	0
56	MG	1A	8859	1/1	0.83	0.16	37,37,37,37	0
56	MG	1A	8864	1/1	0.83	0.11	26,26,26,26	0
56	MG	2A	3598	1/1	0.83	0.22	50,50,50,50	0
56	MG	2A	3052	1/1	0.83	0.23	37,37,37,37	0
56	MG	2A	3151	1/1	0.83	0.31	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1701	1/1	0.83	0.11	44,44,44,44	0
56	MG	2B	3005	1/1	0.83	0.12	55,55,55,55	0
56	MG	1a	1758	1/1	0.84	0.12	38,38,38,38	0
56	MG	2N	201	1/1	0.84	0.19	50,50,50,50	0
56	MG	2N	202	1/1	0.84	0.09	49,49,49,49	0
56	MG	2A	3239	1/1	0.84	0.18	51,51,51,51	0
56	MG	1A	8140	1/1	0.84	0.20	52,52,52,52	0
56	MG	2A	3731	1/1	0.84	0.15	63,63,63,63	0
56	MG	1A	8484	1/1	0.84	0.24	17,17,17,17	0
56	MG	20	105	1/1	0.84	0.15	50,50,50,50	0
56	MG	1P	204	1/1	0.84	0.07	62,62,62,62	0
56	MG	2A	3752	1/1	0.84	0.29	39,39,39,39	0
56	MG	2A	3927	1/1	0.84	0.12	30,30,30,30	0
56	MG	2A	3111	1/1	0.84	0.27	47,47,47,47	0
56	MG	1a	1776	1/1	0.84	0.12	35,35,35,35	0
56	MG	1a	1677	1/1	0.84	0.20	49,49,49,49	0
56	MG	2a	1731	1/1	0.84	0.13	56,56,56,56	0
56	MG	2a	1734	1/1	0.84	0.10	59,59,59,59	0
56	MG	1D	312	1/1	0.84	0.09	41,41,41,41	0
56	MG	2A	3658	1/1	0.84	0.11	29,29,29,29	0
56	MG	2B	3003	1/1	0.84	0.14	37,37,37,37	0
56	MG	1A	8390	1/1	0.84	0.22	41,41,41,41	0
56	MG	2A	3327	1/1	0.84	0.10	61,61,61,61	0
56	MG	2A	3138	1/1	0.84	0.12	31,31,31,31	0
56	MG	2a	1772	1/1	0.84	0.09	57,57,57,57	0
56	MG	1A	8880	1/1	0.84	0.23	46,46,46,46	0
56	MG	2A	3528	1/1	0.84	0.10	40,40,40,40	0
56	MG	2B	3016	1/1	0.84	0.19	55,55,55,55	0
56	MG	2a	1649	1/1	0.84	0.26	48,48,48,48	0
56	MG	2A	3530	1/1	0.84	0.46	45,45,45,45	0
56	MG	2a	1796	1/1	0.84	0.16	53,53,53,53	0
56	MG	2A	3675	1/1	0.84	0.15	44,44,44,44	0
56	MG	2A	3364	1/1	0.84	0.15	42,42,42,42	0
56	MG	2A	3365	1/1	0.84	0.13	47,47,47,47	0
56	MG	1a	1792	1/1	0.84	0.19	41,41,41,41	0
56	MG	2A	3547	1/1	0.84	0.10	43,43,43,43	0
56	MG	1a	1659	1/1	0.84	0.22	50,50,50,50	0
56	MG	2b	3001	1/1	0.84	0.20	56,56,56,56	0
56	MG	1A	8585	1/1	0.84	0.08	29,29,29,29	0
56	MG	2A	3372	1/1	0.84	0.12	48,48,48,48	0
56	MG	1a	1754	1/1	0.84	0.17	59,59,59,59	0
56	MG	2A	3063	1/1	0.84	0.13	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1692	1/1	0.84	0.11	44,44,44,44	0
56	MG	2x	108	1/1	0.84	0.20	53,53,53,53	0
56	MG	2A	3709	1/1	0.84	0.15	40,40,40,40	0
56	MG	2A	3457	1/1	0.84	0.12	50,50,50,50	0
56	MG	1a	1807	1/1	0.84	0.11	51,51,51,51	0
56	MG	1A	8277	1/1	0.85	0.28	50,50,50,50	0
56	MG	1A	8840	1/1	0.85	0.13	9,9,9,9	0
56	MG	2a	1697	1/1	0.85	0.08	54,54,54,54	0
56	MG	1B	3003	1/1	0.85	0.10	43,43,43,43	0
56	MG	2A	3856	1/1	0.85	0.26	53,53,53,53	0
56	MG	2A	3857	1/1	0.85	0.16	40,40,40,40	0
56	MG	1A	8282	1/1	0.85	0.10	45,45,45,45	0
56	MG	1A	8221	1/1	0.85	0.22	43,43,43,43	0
56	MG	2A	3203	1/1	0.85	0.26	28,28,28,28	0
56	MG	2A	3205	1/1	0.85	0.85	44,44,44,44	0
56	MG	1A	8488	1/1	0.85	0.11	46,46,46,46	0
56	MG	2A	3378	1/1	0.85	0.19	41,41,41,41	0
56	MG	2A	3379	1/1	0.85	0.19	36,36,36,36	0
56	MG	2A	3892	1/1	0.85	0.10	34,34,34,34	0
56	MG	2A	3554	1/1	0.85	0.19	37,37,37,37	0
56	MG	2A	3415	1/1	0.85	0.11	34,34,34,34	0
56	MG	2U	206	1/1	0.85	0.16	38,38,38,38	0
56	MG	2a	1722	1/1	0.85	0.11	61,61,61,61	0
56	MG	2A	3425	1/1	0.85	0.10	25,25,25,25	0
56	MG	20	104	1/1	0.85	0.09	55,55,55,55	0
56	MG	2a	1728	1/1	0.85	0.14	64,64,64,64	0
56	MG	2a	1729	1/1	0.85	0.14	62,62,62,62	0
56	MG	1A	8866	1/1	0.85	0.10	32,32,32,32	0
56	MG	2A	3431	1/1	0.85	0.09	39,39,39,39	0
56	MG	1A	8795	1/1	0.85	0.25	21,21,21,21	0
56	MG	1D	314	1/1	0.85	0.10	31,31,31,31	0
56	MG	2A	3924	1/1	0.85	0.17	26,26,26,26	0
56	MG	2a	1607	1/1	0.85	0.25	55,55,55,55	0
56	MG	1a	1771	1/1	0.85	0.16	46,46,46,46	0
56	MG	2a	1763	1/1	0.85	0.13	81,81,81,81	0
56	MG	2A	3929	1/1	0.85	0.14	48,48,48,48	0
56	MG	2A	3953	1/1	0.85	0.12	37,37,37,37	0
56	MG	2a	1774	1/1	0.85	0.15	54,54,54,54	0
56	MG	1A	8495	1/1	0.85	0.09	14,14,14,14	0
56	MG	1A	8409	1/1	0.85	0.15	35,35,35,35	0
56	MG	2A	3964	1/1	0.85	0.15	37,37,37,37	0
56	MG	2a	1626	1/1	0.85	0.17	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3280	1/1	0.85	0.11	35,35,35,35	0
56	MG	1A	8899	1/1	0.85	0.08	37,37,37,37	0
56	MG	2A	3987	1/1	0.85	0.18	28,28,28,28	0
56	MG	2A	3629	1/1	0.85	0.15	25,25,25,25	0
56	MG	2A	3483	1/1	0.85	0.13	48,48,48,48	0
56	MG	2A	3287	1/1	0.85	0.17	53,53,53,53	0
56	MG	2a	1650	1/1	0.85	0.23	46,46,46,46	0
56	MG	2a	1813	1/1	0.85	0.16	42,42,42,42	0
56	MG	2A	3778	1/1	0.85	0.17	46,46,46,46	0
56	MG	2A	3486	1/1	0.85	0.22	47,47,47,47	0
56	MG	2A	3295	1/1	0.85	0.11	43,43,43,43	0
56	MG	2A	3491	1/1	0.85	0.12	27,27,27,27	0
56	MG	1a	1652	1/1	0.85	0.18	47,47,47,47	0
56	MG	1x	3012	1/1	0.85	0.10	38,38,38,38	0
56	MG	2A	3320	1/1	0.85	0.12	27,27,27,27	0
56	MG	2A	3030	1/1	0.85	0.27	47,47,47,47	0
56	MG	2B	3023	1/1	0.85	0.13	41,41,41,41	0
56	MG	2A	3671	1/1	0.85	0.17	45,45,45,45	0
56	MG	1A	8323	1/1	0.85	0.11	20,20,20,20	0
56	MG	2A	3873	1/1	0.86	0.20	74,74,74,74	0
56	MG	2A	3421	1/1	0.86	0.10	49,49,49,49	0
56	MG	1H	201	1/1	0.86	0.12	38,38,38,38	0
56	MG	2A	3245	1/1	0.86	0.09	46,46,46,46	0
56	MG	1A	8264	1/1	0.86	0.22	37,37,37,37	0
56	MG	1A	8197	1/1	0.86	0.09	42,42,42,42	0
56	MG	2A	3908	1/1	0.86	0.55	57,57,57,57	0
56	MG	1a	1800	1/1	0.86	0.11	31,31,31,31	0
56	MG	2A	3462	1/1	0.86	0.13	26,26,26,26	0
56	MG	2A	3264	1/1	0.86	0.11	65,65,65,65	0
56	MG	1A	8804	1/1	0.86	0.12	31,31,31,31	0
56	MG	2A	3739	1/1	0.86	0.11	46,46,46,46	0
56	MG	1A	8732	1/1	0.86	0.11	33,33,33,33	0
56	MG	2a	1723	1/1	0.86	0.16	50,50,50,50	0
56	MG	2a	1724	1/1	0.86	0.10	56,56,56,56	0
56	MG	1A	8417	1/1	0.86	0.10	37,37,37,37	0
56	MG	1A	8627	1/1	0.86	0.11	48,48,48,48	0
56	MG	1A	8087	1/1	0.86	0.28	45,45,45,45	0
56	MG	1a	1765	1/1	0.86	0.08	44,44,44,44	0
56	MG	2A	3963	1/1	0.86	0.16	53,53,53,53	0
56	MG	2a	1612	1/1	0.86	0.15	43,43,43,43	0
56	MG	2A	3623	1/1	0.86	0.11	53,53,53,53	0
56	MG	2A	3624	1/1	0.86	0.20	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3766	1/1	0.86	0.10	41,41,41,41	0
56	MG	1i	3001	1/1	0.86	0.14	46,46,46,46	0
56	MG	2B	3001	1/1	0.86	0.19	59,59,59,59	0
56	MG	1a	1615	1/1	0.86	0.17	51,51,51,51	0
56	MG	1A	8754	1/1	0.86	0.24	18,18,18,18	0
56	MG	2A	3493	1/1	0.86	0.11	32,32,32,32	0
56	MG	2a	1641	1/1	0.86	0.20	59,59,59,59	0
56	MG	2a	1642	1/1	0.86	0.19	51,51,51,51	0
56	MG	2A	3500	1/1	0.86	0.26	45,45,45,45	0
56	MG	1x	3002	1/1	0.86	0.15	44,44,44,44	0
56	MG	1a	1619	1/1	0.86	0.19	45,45,45,45	0
56	MG	2a	1785	1/1	0.86	0.15	70,70,70,70	0
56	MG	2a	1788	1/1	0.86	0.10	50,50,50,50	0
56	MG	1A	8367	1/1	0.86	0.09	33,33,33,33	0
56	MG	1A	8552	1/1	0.86	0.16	23,23,23,23	0
56	MG	1A	8788	1/1	0.86	0.09	34,34,34,34	0
56	MG	2A	3670	1/1	0.86	0.14	32,32,32,32	0
56	MG	2a	1662	1/1	0.86	0.13	48,48,48,48	0
56	MG	2A	3034	1/1	0.86	0.08	23,23,23,23	0
56	MG	1a	1781	1/1	0.86	0.15	68,68,68,68	0
56	MG	1a	1783	1/1	0.86	0.13	60,60,60,60	0
56	MG	2A	3847	1/1	0.86	0.30	53,53,53,53	0
56	MG	2A	3529	1/1	0.86	0.12	44,44,44,44	0
56	MG	2A	3221	1/1	0.86	0.36	29,29,29,29	0
56	MG	2d	505	1/1	0.86	0.17	73,73,73,73	0
56	MG	2A	3223	1/1	0.86	0.15	52,52,52,52	0
56	MG	2a	1687	1/1	0.86	0.10	58,58,58,58	0
56	MG	1A	8482	1/1	0.86	0.12	31,31,31,31	0
56	MG	2A	3536	1/1	0.86	0.10	31,31,31,31	0
56	MG	2E	305	1/1	0.86	0.11	60,60,60,60	0
56	MG	2A	3398	1/1	0.86	0.12	39,39,39,39	0
56	MG	1A	8263	1/1	0.86	0.09	26,26,26,26	0
56	MG	2A	3700	1/1	0.86	0.11	42,42,42,42	0
56	MG	2A	3787	1/1	0.87	0.20	41,41,41,41	0
56	MG	1a	1773	1/1	0.87	0.10	44,44,44,44	0
56	MG	1A	8704	1/1	0.87	0.14	34,34,34,34	0
56	MG	1l	202	1/1	0.87	0.13	38,38,38,38	0
56	MG	1A	8416	1/1	0.87	0.13	36,36,36,36	0
56	MG	2A	3832	1/1	0.87	0.17	31,31,31,31	0
56	MG	1A	8015	1/1	0.87	0.14	28,28,28,28	0
56	MG	1a	1740	1/1	0.87	0.18	54,54,54,54	0
56	MG	2A	3139	1/1	0.87	0.23	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3838	1/1	0.87	0.18	44,44,44,44	0
56	MG	2A	3510	1/1	0.87	0.13	54,54,54,54	0
56	MG	2F	306	1/1	0.87	0.08	30,30,30,30	0
56	MG	2A	3517	1/1	0.87	0.21	47,47,47,47	0
56	MG	1a	1780	1/1	0.87	0.18	61,61,61,61	0
56	MG	1x	3006	1/1	0.87	0.24	47,47,47,47	0
56	MG	1a	1742	1/1	0.87	0.13	32,32,32,32	0
56	MG	1A	8372	1/1	0.87	0.19	51,51,51,51	0
56	MG	2A	3182	1/1	0.87	0.12	34,34,34,34	0
56	MG	2A	3006	1/1	0.87	0.11	45,45,45,45	0
56	MG	2A	3018	1/1	0.87	0.24	55,55,55,55	0
56	MG	1a	1785	1/1	0.87	0.10	74,74,74,74	0
56	MG	2A	3685	1/1	0.87	0.18	50,50,50,50	0
56	MG	2U	205	1/1	0.87	0.13	49,49,49,49	0
56	MG	1A	8237	1/1	0.87	0.07	41,41,41,41	0
56	MG	1A	8802	1/1	0.87	0.10	26,26,26,26	0
56	MG	2A	3041	1/1	0.87	0.10	39,39,39,39	0
56	MG	2A	3541	1/1	0.87	0.09	24,24,24,24	0
56	MG	2A	3546	1/1	0.87	0.10	54,54,54,54	0
56	MG	1a	1682	1/1	0.87	0.35	45,45,45,45	0
56	MG	2A	3548	1/1	0.87	0.12	52,52,52,52	0
56	MG	2A	3912	1/1	0.87	0.29	49,49,49,49	0
56	MG	2a	1747	1/1	0.87	0.18	39,39,39,39	0
56	MG	2A	3716	1/1	0.87	0.08	37,37,37,37	0
56	MG	2A	3915	1/1	0.87	0.12	42,42,42,42	0
56	MG	2A	3916	1/1	0.87	0.16	86,86,86,86	0
56	MG	2a	1761	1/1	0.87	0.10	42,42,42,42	0
56	MG	2A	3717	1/1	0.87	0.13	24,24,24,24	0
56	MG	2a	1766	1/1	0.87	0.21	67,67,67,67	0
56	MG	1A	8687	1/1	0.87	0.17	46,46,46,46	0
56	MG	1A	8124	1/1	0.87	0.07	16,16,16,16	0
56	MG	2A	3721	1/1	0.87	0.22	47,47,47,47	0
56	MG	2a	1624	1/1	0.87	0.34	48,48,48,48	0
56	MG	2a	1778	1/1	0.87	0.12	42,42,42,42	0
56	MG	1A	8255	1/1	0.87	0.28	33,33,33,33	0
56	MG	1a	1704	1/1	0.87	0.13	47,47,47,47	0
56	MG	2a	1630	1/1	0.87	0.16	50,50,50,50	0
56	MG	1a	1764	1/1	0.87	0.15	54,54,54,54	0
56	MG	2a	1637	1/1	0.87	0.19	36,36,36,36	0
56	MG	2A	3584	1/1	0.87	0.12	30,30,30,30	0
56	MG	2A	3254	1/1	0.87	0.08	38,38,38,38	0
56	MG	2a	1799	1/1	0.87	0.17	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3459	1/1	0.87	0.15	33,33,33,33	0
56	MG	1a	1643	1/1	0.87	0.17	53,53,53,53	0
56	MG	2A	3749	1/1	0.87	0.14	50,50,50,50	0
56	MG	2A	3982	1/1	0.87	0.15	26,26,26,26	0
56	MG	2A	3263	1/1	0.87	0.19	46,46,46,46	0
56	MG	1a	1828	1/1	0.87	0.13	52,52,52,52	0
56	MG	2a	1654	1/1	0.87	0.29	62,62,62,62	0
56	MG	2A	3478	1/1	0.87	0.14	38,38,38,38	0
56	MG	1a	1647	1/1	0.87	0.23	53,53,53,53	0
56	MG	2A	3268	1/1	0.87	0.24	42,42,42,42	0
56	MG	2A	3614	1/1	0.87	0.12	42,42,42,42	0
56	MG	2a	1664	1/1	0.87	0.11	44,44,44,44	0
56	MG	2A	3092	1/1	0.87	0.34	48,48,48,48	0
56	MG	2A	3775	1/1	0.87	0.23	51,51,51,51	0
56	MG	1A	8903	1/1	0.87	0.12	19,19,19,19	0
56	MG	2A	3282	1/1	0.87	0.11	63,63,63,63	0
56	MG	2A	3628	1/1	0.87	0.09	59,59,59,59	0
56	MG	2A	3285	1/1	0.87	0.11	30,30,30,30	0
56	MG	1a	1739	1/1	0.88	0.23	50,50,50,50	0
56	MG	1A	8602	1/1	0.88	0.14	47,47,47,47	0
56	MG	1A	8317	1/1	0.88	0.10	35,35,35,35	0
56	MG	1A	8196	1/1	0.88	0.14	49,49,49,49	0
56	MG	2A	3257	1/1	0.88	0.13	44,44,44,44	0
56	MG	2A	3966	1/1	0.88	0.11	50,50,50,50	0
56	MG	1A	8907	1/1	0.88	0.15	26,26,26,26	0
56	MG	2A	3722	1/1	0.88	0.15	42,42,42,42	0
56	MG	2A	3983	1/1	0.88	0.09	23,23,23,23	0
56	MG	1a	1623	1/1	0.88	0.15	47,47,47,47	0
56	MG	2a	1681	1/1	0.88	0.12	45,45,45,45	0
56	MG	1A	8909	1/1	0.88	0.13	15,15,15,15	0
56	MG	2A	3014	1/1	0.88	0.22	39,39,39,39	0
56	MG	1A	8617	1/1	0.88	0.12	43,43,43,43	0
56	MG	2A	3736	1/1	0.88	0.24	51,51,51,51	0
56	MG	1A	8782	1/1	0.88	0.15	24,24,24,24	0
56	MG	2A	3032	1/1	0.88	0.18	43,43,43,43	0
56	MG	2B	3007	1/1	0.88	0.12	42,42,42,42	0
56	MG	1a	1757	1/1	0.88	0.21	44,44,44,44	0
56	MG	1A	8948	1/1	0.88	0.15	35,35,35,35	0
56	MG	1A	8325	1/1	0.88	0.09	21,21,21,21	0
56	MG	1A	8787	1/1	0.88	0.10	8,8,8,8	0
56	MG	2A	3296	1/1	0.88	0.09	49,49,49,49	0
56	MG	1A	8516	1/1	0.88	0.17	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3315	1/1	0.88	0.13	44,44,44,44	0
56	MG	2A	3552	1/1	0.88	0.10	47,47,47,47	0
56	MG	1A	8519	1/1	0.88	0.14	29,29,29,29	0
56	MG	1a	1656	1/1	0.88	0.14	51,51,51,51	0
56	MG	2A	3777	1/1	0.88	0.26	61,61,61,61	0
56	MG	1B	3020	1/1	0.88	0.10	23,23,23,23	0
56	MG	2A	3064	1/1	0.88	0.09	34,34,34,34	0
56	MG	1a	1660	1/1	0.88	0.19	39,39,39,39	0
56	MG	1A	8522	1/1	0.88	0.11	34,34,34,34	0
56	MG	1A	8650	1/1	0.88	0.10	39,39,39,39	0
56	MG	2A	3087	1/1	0.88	0.21	54,54,54,54	0
56	MG	2F	309	1/1	0.88	0.14	58,58,58,58	0
56	MG	1A	8674	1/1	0.88	0.14	35,35,35,35	0
56	MG	1A	8328	1/1	0.88	0.17	38,38,38,38	0
56	MG	2a	1730	1/1	0.88	0.10	71,71,71,71	0
56	MG	2A	3810	1/1	0.88	0.10	53,53,53,53	0
56	MG	2A	3817	1/1	0.88	0.36	52,52,52,52	0
56	MG	1A	8685	1/1	0.88	0.10	51,51,51,51	0
56	MG	2a	1743	1/1	0.88	0.25	41,41,41,41	0
56	MG	2A	3105	1/1	0.88	0.14	46,46,46,46	0
56	MG	1a	1680	1/1	0.88	0.12	27,27,27,27	0
56	MG	1a	1681	1/1	0.88	0.14	52,52,52,52	0
56	MG	2Q	203	1/1	0.88	0.11	33,33,33,33	0
56	MG	2A	3119	1/1	0.88	0.09	35,35,35,35	0
56	MG	2A	3406	1/1	0.88	0.11	51,51,51,51	0
56	MG	2A	3121	1/1	0.88	0.17	42,42,42,42	0
56	MG	1a	1787	1/1	0.88	0.28	47,47,47,47	0
56	MG	1A	8273	1/1	0.88	0.08	32,32,32,32	0
56	MG	1a	1684	1/1	0.88	0.10	35,35,35,35	0
56	MG	1a	1685	1/1	0.88	0.12	51,51,51,51	0
56	MG	2A	3858	1/1	0.88	0.13	46,46,46,46	0
56	MG	2A	3646	1/1	0.88	0.11	51,51,51,51	0
56	MG	1A	8831	1/1	0.88	0.10	41,41,41,41	0
56	MG	2A	3434	1/1	0.88	0.10	34,34,34,34	0
56	MG	2A	3446	1/1	0.88	0.15	29,29,29,29	0
56	MG	2A	3869	1/1	0.88	0.13	38,38,38,38	0
56	MG	1A	8550	1/1	0.88	0.12	35,35,35,35	0
56	MG	2a	1794	1/1	0.88	0.18	71,71,71,71	0
56	MG	1A	8027	1/1	0.88	0.12	38,38,38,38	0
56	MG	2A	3153	1/1	0.88	0.12	39,39,39,39	0
56	MG	2A	3165	1/1	0.88	0.11	42,42,42,42	0
56	MG	2A	3885	1/1	0.88	0.12	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1623	1/1	0.88	0.30	41,41,41,41	0
56	MG	1A	8262	1/1	0.88	0.11	58,58,58,58	0
56	MG	1A	8711	1/1	0.88	0.13	27,27,27,27	0
56	MG	1a	1823	1/1	0.88	0.12	42,42,42,42	0
56	MG	2A	3199	1/1	0.88	0.20	30,30,30,30	0
56	MG	2a	1815	1/1	0.88	0.13	58,58,58,58	0
56	MG	1a	1716	1/1	0.88	0.19	52,52,52,52	0
56	MG	1a	1721	1/1	0.88	0.09	49,49,49,49	0
56	MG	1a	1829	1/1	0.88	0.08	36,36,36,36	0
56	MG	1A	8200	1/1	0.88	0.15	46,46,46,46	0
56	MG	1a	1727	1/1	0.88	0.10	32,32,32,32	0
56	MG	1A	8592	1/1	0.88	0.09	24,24,24,24	0
56	MG	2l	202	1/1	0.88	0.18	50,50,50,50	0
56	MG	1A	8385	1/1	0.88	0.10	15,15,15,15	0
56	MG	1a	1601	1/1	0.88	0.11	43,43,43,43	0
56	MG	2x	106	1/1	0.88	0.26	52,52,52,52	0
56	MG	1a	1604	1/1	0.88	0.10	50,50,50,50	0
56	MG	2A	3242	1/1	0.88	0.18	30,30,30,30	0
56	MG	2x	110	1/1	0.88	0.06	42,42,42,42	0
56	MG	2A	3505	1/1	0.88	0.13	43,43,43,43	0
56	MG	2A	3934	1/1	0.88	0.13	32,32,32,32	0
56	MG	2A	3394	1/1	0.89	0.12	65,65,65,65	0
56	MG	2A	3581	1/1	0.89	0.12	31,31,31,31	0
56	MG	1A	8666	1/1	0.89	0.10	18,18,18,18	0
56	MG	2A	3402	1/1	0.89	0.10	39,39,39,39	0
56	MG	2a	1682	1/1	0.89	0.10	53,53,53,53	0
56	MG	1q	201	1/1	0.89	0.07	37,37,37,37	0
56	MG	1A	8009	1/1	0.89	0.13	20,20,20,20	0
56	MG	1A	8333	1/1	0.89	0.13	39,39,39,39	0
56	MG	2A	3774	1/1	0.89	0.18	56,56,56,56	0
56	MG	2B	3011	1/1	0.89	0.10	73,73,73,73	0
56	MG	2a	1696	1/1	0.89	0.12	36,36,36,36	0
56	MG	1A	8542	1/1	0.89	0.12	40,40,40,40	0
56	MG	1E	305	1/1	0.89	0.12	12,12,12,12	0
56	MG	1A	8549	1/1	0.89	0.09	38,38,38,38	0
56	MG	2A	3003	1/1	0.89	0.10	42,42,42,42	0
56	MG	2B	3018	1/1	0.89	0.10	57,57,57,57	0
56	MG	2A	3612	1/1	0.89	0.10	40,40,40,40	0
56	MG	1a	1664	1/1	0.89	0.10	38,38,38,38	0
56	MG	2A	3618	1/1	0.89	0.10	43,43,43,43	0
56	MG	2A	3012	1/1	0.89	0.18	41,41,41,41	0
56	MG	1A	8201	1/1	0.89	0.11	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3804	1/1	0.89	0.31	33,33,33,33	0
56	MG	2A	3229	1/1	0.89	0.10	30,30,30,30	0
56	MG	2A	3461	1/1	0.89	0.10	30,30,30,30	0
56	MG	2A	3813	1/1	0.89	0.12	64,64,64,64	0
56	MG	2A	3814	1/1	0.89	0.12	33,33,33,33	0
56	MG	1a	1669	1/1	0.89	0.24	42,42,42,42	0
56	MG	1A	8425	1/1	0.89	0.10	12,12,12,12	0
56	MG	1A	8554	1/1	0.89	0.12	34,34,34,34	0
56	MG	1A	8556	1/1	0.89	0.11	17,17,17,17	0
56	MG	1A	8436	1/1	0.89	0.11	7,7,7,7	0
56	MG	2a	1727	1/1	0.89	0.30	49,49,49,49	0
56	MG	2A	3040	1/1	0.89	0.19	53,53,53,53	0
56	MG	1A	8464	1/1	0.89	0.13	7,7,7,7	0
56	MG	1Q	201	1/1	0.89	0.10	17,17,17,17	0
56	MG	1S	201	1/1	0.89	0.08	23,23,23,23	0
56	MG	1U	201	1/1	0.89	0.07	26,26,26,26	0
56	MG	1A	8734	1/1	0.89	0.12	22,22,22,22	0
56	MG	2a	1740	1/1	0.89	0.14	62,62,62,62	0
56	MG	10	106	1/1	0.89	0.17	46,46,46,46	0
56	MG	1a	1700	1/1	0.89	0.11	45,45,45,45	0
56	MG	1a	1788	1/1	0.89	0.12	42,42,42,42	0
56	MG	2A	3502	1/1	0.89	0.11	47,47,47,47	0
56	MG	1A	8356	1/1	0.89	0.10	9,9,9,9	0
56	MG	2a	1755	1/1	0.89	0.12	52,52,52,52	0
56	MG	2W	3001	1/1	0.89	0.10	45,45,45,45	0
56	MG	2A	3680	1/1	0.89	0.20	38,38,38,38	0
56	MG	2A	3076	1/1	0.89	0.60	44,44,44,44	0
56	MG	15	107	1/1	0.89	0.06	17,17,17,17	0
56	MG	2a	1768	1/1	0.89	0.23	57,57,57,57	0
56	MG	1A	8152	1/1	0.89	0.10	28,28,28,28	0
56	MG	2A	3294	1/1	0.89	0.12	50,50,50,50	0
56	MG	2A	3514	1/1	0.89	0.12	36,36,36,36	0
56	MG	2A	3689	1/1	0.89	0.10	32,32,32,32	0
56	MG	2a	1777	1/1	0.89	0.09	45,45,45,45	0
56	MG	2A	3888	1/1	0.89	0.10	41,41,41,41	0
56	MG	2A	3889	1/1	0.89	0.23	63,63,63,63	0
56	MG	1a	1713	1/1	0.89	0.16	39,39,39,39	0
56	MG	2A	3698	1/1	0.89	0.10	35,35,35,35	0
56	MG	1A	8598	1/1	0.89	0.13	43,43,43,43	0
56	MG	2a	1787	1/1	0.89	0.15	49,49,49,49	0
56	MG	2A	3093	1/1	0.89	0.17	61,61,61,61	0
56	MG	2A	3907	1/1	0.89	0.12	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8295	1/1	0.89	0.07	21,21,21,21	0
56	MG	2A	3910	1/1	0.89	0.20	60,60,60,60	0
56	MG	1A	8155	1/1	0.89	0.17	24,24,24,24	0
56	MG	1A	8768	1/1	0.89	0.12	12,12,12,12	0
56	MG	2a	1628	1/1	0.89	0.26	58,58,58,58	0
56	MG	2A	3710	1/1	0.89	0.10	39,39,39,39	0
56	MG	1A	8379	1/1	0.89	0.22	19,19,19,19	0
56	MG	2a	1810	1/1	0.89	0.27	53,53,53,53	0
56	MG	1A	8931	1/1	0.89	0.09	18,18,18,18	0
56	MG	2A	3920	1/1	0.89	0.09	43,43,43,43	0
56	MG	2A	3332	1/1	0.89	0.11	69,69,69,69	0
56	MG	1A	8320	1/1	0.89	0.10	7,7,7,7	0
56	MG	2A	3343	1/1	0.89	0.12	35,35,35,35	0
56	MG	1a	1625	1/1	0.89	0.15	47,47,47,47	0
56	MG	1a	1838	1/1	0.89	0.13	46,46,46,46	0
56	MG	2e	201	1/1	0.89	0.26	56,56,56,56	0
56	MG	1a	1840	1/1	0.89	0.15	55,55,55,55	0
56	MG	1A	8508	1/1	0.89	0.10	34,34,34,34	0
56	MG	2A	3730	1/1	0.89	0.10	50,50,50,50	0
56	MG	1A	8228	1/1	0.89	0.16	13,13,13,13	0
56	MG	1B	3014	1/1	0.89	0.10	31,31,31,31	0
56	MG	2A	3737	1/1	0.89	0.10	44,44,44,44	0
56	MG	1A	8324	1/1	0.89	0.13	17,17,17,17	0
56	MG	2A	3741	1/1	0.89	0.13	69,69,69,69	0
56	MG	1A	8128	1/1	0.89	0.10	40,40,40,40	0
56	MG	1A	8523	1/1	0.89	0.10	23,23,23,23	0
56	MG	2A	3390	1/1	0.89	0.16	45,45,45,45	0
56	MG	1e	201	1/1	0.90	0.12	28,28,28,28	0
56	MG	1A	8651	1/1	0.90	0.10	23,23,23,23	0
56	MG	1a	1612	1/1	0.90	0.25	52,52,52,52	0
56	MG	2A	3123	1/1	0.90	0.08	41,41,41,41	0
56	MG	1a	1613	1/1	0.90	0.25	15,15,15,15	0
56	MG	1A	8398	1/1	0.90	0.12	41,41,41,41	0
56	MG	1A	8467	1/1	0.90	0.13	9,9,9,9	0
56	MG	2a	1700	1/1	0.90	0.13	51,51,51,51	0
56	MG	1A	8284	1/1	0.90	0.21	50,50,50,50	0
56	MG	2D	307	1/1	0.90	0.10	33,33,33,33	0
56	MG	1a	1769	1/1	0.90	0.08	46,46,46,46	0
56	MG	2A	3329	1/1	0.90	0.13	30,30,30,30	0
56	MG	1A	8776	1/1	0.90	0.15	35,35,35,35	0
56	MG	2A	3525	1/1	0.90	0.09	25,25,25,25	0
56	MG	1A	8471	1/1	0.90	0.07	17,17,17,17	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1774	1/1	0.90	0.12	59,59,59,59	0
56	MG	2A	3156	1/1	0.90	0.07	33,33,33,33	0
56	MG	2A	3693	1/1	0.90	0.12	34,34,34,34	0
56	MG	1x	3011	1/1	0.90	0.15	34,34,34,34	0
56	MG	2A	3172	1/1	0.90	0.12	25,25,25,25	0
56	MG	2a	1719	1/1	0.90	0.24	39,39,39,39	0
56	MG	1A	8872	1/1	0.90	0.19	59,59,59,59	0
56	MG	1A	8234	1/1	0.90	0.14	32,32,32,32	0
56	MG	2A	3704	1/1	0.90	0.07	53,53,53,53	0
56	MG	1A	8023	1/1	0.90	0.06	21,21,21,21	0
56	MG	2A	3191	1/1	0.90	0.08	35,35,35,35	0
56	MG	2Q	201	1/1	0.90	0.12	38,38,38,38	0
56	MG	2A	3880	1/1	0.90	0.11	32,32,32,32	0
56	MG	2A	3373	1/1	0.90	0.09	29,29,29,29	0
56	MG	2A	3714	1/1	0.90	0.10	39,39,39,39	0
56	MG	1A	8082	1/1	0.90	0.09	27,27,27,27	0
56	MG	1A	8900	1/1	0.90	0.11	13,13,13,13	0
56	MG	2a	1732	1/1	0.90	0.10	77,77,77,77	0
56	MG	2A	3385	1/1	0.90	0.10	24,24,24,24	0
56	MG	1a	1640	1/1	0.90	0.14	47,47,47,47	0
56	MG	2A	3902	1/1	0.90	0.11	39,39,39,39	0
56	MG	1A	8490	1/1	0.90	0.09	18,18,18,18	0
56	MG	1A	8129	1/1	0.90	0.06	19,19,19,19	0
56	MG	2A	3206	1/1	0.90	0.20	48,48,48,48	0
56	MG	2A	3564	1/1	0.90	0.27	51,51,51,51	0
56	MG	1A	8387	1/1	0.90	0.15	28,28,28,28	0
56	MG	2A	3729	1/1	0.90	0.13	76,76,76,76	0
56	MG	2A	3222	1/1	0.90	0.19	48,48,48,48	0
56	MG	1a	1728	1/1	0.90	0.07	38,38,38,38	0
56	MG	1a	1650	1/1	0.90	0.22	42,42,42,42	0
56	MG	2a	1613	1/1	0.90	0.23	46,46,46,46	0
56	MG	1a	1730	1/1	0.90	0.12	43,43,43,43	0
56	MG	2a	1617	1/1	0.90	0.20	50,50,50,50	0
56	MG	2a	1771	1/1	0.90	0.15	55,55,55,55	0
56	MG	1A	8913	1/1	0.90	0.08	48,48,48,48	0
56	MG	2a	1621	1/1	0.90	0.17	49,49,49,49	0
56	MG	2A	3922	1/1	0.90	0.21	65,65,65,65	0
56	MG	2A	3050	1/1	0.90	0.14	39,39,39,39	0
56	MG	1a	1655	1/1	0.90	0.14	28,28,28,28	0
56	MG	1A	8727	1/1	0.90	0.09	36,36,36,36	0
56	MG	1A	8048	1/1	0.90	0.08	22,22,22,22	0
56	MG	2a	1783	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
56	MG	1A	8458	1/1	0.90	0.09	53,53,53,53	0
56	MG	2A	3937	1/1	0.90	0.16	38,38,38,38	0
56	MG	1A	8944	1/1	0.90	0.14	24,24,24,24	0
56	MG	1a	1810	1/1	0.90	0.15	52,52,52,52	0
56	MG	2A	3616	1/1	0.90	0.10	39,39,39,39	0
56	MG	1a	1744	1/1	0.90	0.11	59,59,59,59	0
56	MG	2A	3473	1/1	0.90	0.10	51,51,51,51	0
56	MG	1A	8646	1/1	0.90	0.12	30,30,30,30	0
56	MG	2a	1803	1/1	0.90	0.09	41,41,41,41	0
56	MG	1A	8973	1/1	0.90	0.13	12,12,12,12	0
56	MG	2a	1645	1/1	0.90	0.12	53,53,53,53	0
56	MG	2A	3977	1/1	0.90	0.15	30,30,30,30	0
56	MG	2A	3980	1/1	0.90	0.09	51,51,51,51	0
56	MG	2A	3265	1/1	0.90	0.08	56,56,56,56	0
56	MG	2a	1651	1/1	0.90	0.15	48,48,48,48	0
56	MG	1a	1668	1/1	0.90	0.14	47,47,47,47	0
56	MG	1a	1834	1/1	0.90	0.19	46,46,46,46	0
56	MG	2A	3636	1/1	0.90	0.11	48,48,48,48	0
56	MG	2a	1819	1/1	0.90	0.14	59,59,59,59	0
56	MG	2A	3273	1/1	0.90	0.09	44,44,44,44	0
56	MG	2a	1661	1/1	0.90	0.16	43,43,43,43	0
56	MG	2A	3785	1/1	0.90	0.12	29,29,29,29	0
56	MG	2a	1663	1/1	0.90	0.16	43,43,43,43	0
56	MG	2f	8001	1/1	0.90	0.10	43,43,43,43	0
56	MG	2A	3640	1/1	0.90	0.14	26,26,26,26	0
56	MG	2A	3274	1/1	0.90	0.09	42,42,42,42	0
56	MG	2A	3789	1/1	0.90	0.09	48,48,48,48	0
56	MG	2A	3654	1/1	0.90	0.36	41,41,41,41	0
56	MG	2a	1675	1/1	0.90	0.14	42,42,42,42	0
56	MG	2B	3008	1/1	0.90	0.19	52,52,52,52	0
56	MG	1A	8814	1/1	0.90	0.09	62,62,62,62	0
56	MG	1a	1839	1/1	0.90	0.09	48,48,48,48	0
56	MG	1A	8572	1/1	0.90	0.10	5,5,5,5	0
56	MG	1A	8839	1/1	0.90	0.15	31,31,31,31	0
56	MG	1a	1756	1/1	0.90	0.11	51,51,51,51	0
56	MG	1a	1626	1/1	0.91	0.11	38,38,38,38	0
56	MG	1A	8182	1/1	0.91	0.06	12,12,12,12	0
56	MG	1A	8911	1/1	0.91	0.18	32,32,32,32	0
56	MG	1A	8370	1/1	0.91	0.11	10,10,10,10	0
56	MG	2A	3550	1/1	0.91	0.22	50,50,50,50	0
56	MG	2A	3279	1/1	0.91	0.09	49,49,49,49	0
56	MG	2A	3827	1/1	0.91	0.17	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3830	1/1	0.91	0.11	42,42,42,42	0
56	MG	1a	1638	1/1	0.91	0.11	27,27,27,27	0
56	MG	2A	3035	1/1	0.91	0.08	37,37,37,37	0
56	MG	1A	8470	1/1	0.91	0.11	39,39,39,39	0
56	MG	2a	1629	1/1	0.91	0.20	53,53,53,53	0
56	MG	1A	8183	1/1	0.91	0.07	24,24,24,24	0
56	MG	1A	8473	1/1	0.91	0.18	35,35,35,35	0
56	MG	2A	3567	1/1	0.91	0.09	43,43,43,43	0
56	MG	2A	3572	1/1	0.91	0.12	56,56,56,56	0
56	MG	2A	3574	1/1	0.91	0.10	31,31,31,31	0
56	MG	2A	3575	1/1	0.91	0.10	42,42,42,42	0
56	MG	1A	8478	1/1	0.91	0.37	9,9,9,9	0
56	MG	1A	8374	1/1	0.91	0.11	41,41,41,41	0
56	MG	1A	8972	1/1	0.91	0.21	20,20,20,20	0
56	MG	2A	3310	1/1	0.91	0.09	25,25,25,25	0
56	MG	1A	8034	1/1	0.91	0.07	24,24,24,24	0
56	MG	2A	3058	1/1	0.91	0.11	42,42,42,42	0
56	MG	1A	8601	1/1	0.91	0.16	36,36,36,36	0
56	MG	2a	1652	1/1	0.91	0.14	28,28,28,28	0
56	MG	2a	1653	1/1	0.91	0.21	40,40,40,40	0
56	MG	2A	3319	1/1	0.91	0.10	68,68,68,68	0
56	MG	2A	3062	1/1	0.91	0.17	37,37,37,37	0
56	MG	2A	3604	1/1	0.91	0.10	43,43,43,43	0
56	MG	2A	3321	1/1	0.91	0.09	18,18,18,18	0
56	MG	2A	3323	1/1	0.91	0.11	47,47,47,47	0
56	MG	2A	3611	1/1	0.91	0.42	34,34,34,34	0
56	MG	1A	8485	1/1	0.91	0.07	30,30,30,30	0
56	MG	1a	1657	1/1	0.91	0.19	55,55,55,55	0
56	MG	1a	1658	1/1	0.91	0.17	29,29,29,29	0
56	MG	1B	3008	1/1	0.91	0.06	35,35,35,35	0
56	MG	2A	3897	1/1	0.91	0.12	59,59,59,59	0
56	MG	2A	3338	1/1	0.91	0.19	40,40,40,40	0
56	MG	2A	3901	1/1	0.91	0.08	29,29,29,29	0
56	MG	1A	8093	1/1	0.91	0.08	20,20,20,20	0
56	MG	2A	3341	1/1	0.91	0.09	43,43,43,43	0
56	MG	1A	8386	1/1	0.91	0.12	16,16,16,16	0
56	MG	2A	3344	1/1	0.91	0.09	41,41,41,41	0
56	MG	2A	3632	1/1	0.91	0.11	38,38,38,38	0
56	MG	2a	1684	1/1	0.91	0.20	41,41,41,41	0
56	MG	2A	3356	1/1	0.91	0.11	30,30,30,30	0
56	MG	2A	3081	1/1	0.91	0.08	27,27,27,27	0
56	MG	1A	8491	1/1	0.91	0.09	9,9,9,9	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1693	1/1	0.91	0.09	47,47,47,47	0
56	MG	2a	1694	1/1	0.91	0.10	28,28,28,28	0
56	MG	2A	3639	1/1	0.91	0.19	41,41,41,41	0
56	MG	1A	8623	1/1	0.91	0.29	18,18,18,18	0
56	MG	1A	8261	1/1	0.91	0.21	55,55,55,55	0
56	MG	1A	8497	1/1	0.91	0.08	20,20,20,20	0
56	MG	1D	307	1/1	0.91	0.19	20,20,20,20	0
56	MG	2A	3100	1/1	0.91	0.13	37,37,37,37	0
56	MG	1A	8104	1/1	0.91	0.09	44,44,44,44	0
56	MG	2A	3374	1/1	0.91	0.08	57,57,57,57	0
56	MG	1A	8504	1/1	0.91	0.07	30,30,30,30	0
56	MG	1A	8643	1/1	0.91	0.20	28,28,28,28	0
56	MG	2A	3382	1/1	0.91	0.10	38,38,38,38	0
56	MG	2A	3944	1/1	0.91	0.25	28,28,28,28	0
56	MG	2A	3384	1/1	0.91	0.09	40,40,40,40	0
56	MG	2A	3954	1/1	0.91	0.29	41,41,41,41	0
56	MG	1a	1793	1/1	0.91	0.08	45,45,45,45	0
56	MG	1a	1794	1/1	0.91	0.12	43,43,43,43	0
56	MG	2A	3391	1/1	0.91	0.10	20,20,20,20	0
56	MG	2A	3677	1/1	0.91	0.16	60,60,60,60	0
56	MG	1A	8105	1/1	0.91	0.16	12,12,12,12	0
56	MG	1A	8806	1/1	0.91	0.23	16,16,16,16	0
56	MG	2A	3971	1/1	0.91	0.17	41,41,41,41	0
56	MG	1a	1798	1/1	0.91	0.12	48,48,48,48	0
56	MG	1a	1799	1/1	0.91	0.06	35,35,35,35	0
56	MG	2A	3412	1/1	0.91	0.10	21,21,21,21	0
56	MG	1F	310	1/1	0.91	0.10	29,29,29,29	0
56	MG	2A	3419	1/1	0.91	0.08	48,48,48,48	0
56	MG	1A	8202	1/1	0.91	0.11	11,11,11,11	0
56	MG	2A	3143	1/1	0.91	0.08	33,33,33,33	0
56	MG	1a	1803	1/1	0.91	0.10	47,47,47,47	0
56	MG	2A	3149	1/1	0.91	0.14	32,32,32,32	0
56	MG	2B	3004	1/1	0.91	0.10	63,63,63,63	0
56	MG	1A	8327	1/1	0.91	0.07	32,32,32,32	0
56	MG	2A	3152	1/1	0.91	0.10	32,32,32,32	0
56	MG	2A	3442	1/1	0.91	0.08	23,23,23,23	0
56	MG	2A	3444	1/1	0.91	0.08	32,32,32,32	0
56	MG	1A	8818	1/1	0.91	0.30	33,33,33,33	0
56	MG	2a	1749	1/1	0.91	0.08	57,57,57,57	0
56	MG	2B	3010	1/1	0.91	0.12	38,38,38,38	0
56	MG	1a	1821	1/1	0.91	0.20	39,39,39,39	0
56	MG	1A	8654	1/1	0.91	0.24	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3169	1/1	0.91	0.24	31,31,31,31	0
56	MG	1A	8662	1/1	0.91	0.13	29,29,29,29	0
56	MG	1A	8269	1/1	0.91	0.07	23,23,23,23	0
56	MG	2a	1764	1/1	0.91	0.14	55,55,55,55	0
56	MG	2A	3177	1/1	0.91	0.22	56,56,56,56	0
56	MG	1A	8847	1/1	0.91	0.17	16,16,16,16	0
56	MG	1a	1710	1/1	0.91	0.08	47,47,47,47	0
56	MG	1a	1836	1/1	0.91	0.16	36,36,36,36	0
56	MG	2A	3195	1/1	0.91	0.14	31,31,31,31	0
56	MG	2A	3196	1/1	0.91	0.22	31,31,31,31	0
56	MG	2A	3197	1/1	0.91	0.14	37,37,37,37	0
56	MG	2D	303	1/1	0.91	0.09	25,25,25,25	0
56	MG	1A	8667	1/1	0.91	0.11	40,40,40,40	0
56	MG	1A	8119	1/1	0.91	0.14	29,29,29,29	0
56	MG	1A	8526	1/1	0.91	0.08	42,42,42,42	0
56	MG	1A	8336	1/1	0.91	0.10	32,32,32,32	0
56	MG	1A	8868	1/1	0.91	0.09	22,22,22,22	0
56	MG	1A	8686	1/1	0.91	0.09	38,38,38,38	0
56	MG	2a	1786	1/1	0.91	0.11	48,48,48,48	0
56	MG	2E	306	1/1	0.91	0.09	44,44,44,44	0
56	MG	2A	3207	1/1	0.91	0.36	44,44,44,44	0
56	MG	2A	3209	1/1	0.91	0.25	37,37,37,37	0
56	MG	2A	3743	1/1	0.91	0.18	47,47,47,47	0
56	MG	1A	8423	1/1	0.91	0.11	28,28,28,28	0
56	MG	1A	8879	1/1	0.91	0.13	25,25,25,25	0
56	MG	2A	3507	1/1	0.91	0.10	43,43,43,43	0
56	MG	2A	3508	1/1	0.91	0.14	44,44,44,44	0
56	MG	1l	201	1/1	0.91	0.11	42,42,42,42	0
56	MG	1a	1605	1/1	0.91	0.19	43,43,43,43	0
56	MG	2A	3511	1/1	0.91	0.15	39,39,39,39	0
56	MG	1a	1607	1/1	0.91	0.12	49,49,49,49	0
56	MG	1A	8538	1/1	0.91	0.09	14,14,14,14	0
56	MG	2A	3237	1/1	0.91	0.24	45,45,45,45	0
56	MG	2U	202	1/1	0.91	0.08	50,50,50,50	0
56	MG	1o	101	1/1	0.91	0.16	50,50,50,50	0
56	MG	1a	1736	1/1	0.91	0.10	40,40,40,40	0
56	MG	1a	1737	1/1	0.91	0.08	40,40,40,40	0
56	MG	2U	207	1/1	0.91	0.09	29,29,29,29	0
56	MG	2A	3779	1/1	0.91	0.10	34,34,34,34	0
56	MG	2A	3526	1/1	0.91	0.14	46,46,46,46	0
56	MG	20	101	1/1	0.91	0.16	46,46,46,46	0
56	MG	1A	8882	1/1	0.91	0.07	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8274	1/1	0.91	0.06	23,23,23,23	0
56	MG	1A	8340	1/1	0.91	0.10	19,19,19,19	0
56	MG	2x	101	1/1	0.91	0.10	48,48,48,48	0
56	MG	2x	102	1/1	0.91	0.07	51,51,51,51	0
56	MG	23	102	1/1	0.91	0.15	41,41,41,41	0
56	MG	1a	1743	1/1	0.91	0.16	41,41,41,41	0
56	MG	1A	8061	1/1	0.91	0.12	41,41,41,41	0
56	MG	1A	8902	1/1	0.91	0.21	51,51,51,51	0
56	MG	1A	8716	1/1	0.91	0.10	39,39,39,39	0
56	MG	2A	3802	1/1	0.91	0.13	54,54,54,54	0
56	MG	2A	3803	1/1	0.91	0.27	71,71,71,71	0
59	K	1x	3001	1/1	0.91	0.16	46,46,46,46	0
56	MG	1A	8050	1/1	0.91	0.08	23,23,23,23	0
56	MG	1A	8691	1/1	0.92	0.09	14,14,14,14	0
56	MG	2A	3862	1/1	0.92	0.11	32,32,32,32	0
56	MG	1A	8621	1/1	0.92	0.15	24,24,24,24	0
56	MG	1A	8331	1/1	0.92	0.10	19,19,19,19	0
56	MG	1d	503	1/1	0.92	0.15	38,38,38,38	0
56	MG	2A	3167	1/1	0.92	0.08	26,26,26,26	0
56	MG	2A	3393	1/1	0.92	0.10	27,27,27,27	0
56	MG	1d	504	1/1	0.92	0.08	45,45,45,45	0
56	MG	2a	1633	1/1	0.92	0.17	41,41,41,41	0
56	MG	1A	8706	1/1	0.92	0.07	39,39,39,39	0
56	MG	2A	3401	1/1	0.92	0.11	38,38,38,38	0
56	MG	1a	1620	1/1	0.92	0.10	46,46,46,46	0
56	MG	1B	3005	1/1	0.92	0.09	34,34,34,34	0
56	MG	2A	3408	1/1	0.92	0.09	38,38,38,38	0
56	MG	1g	3001	1/1	0.92	0.16	38,38,38,38	0
56	MG	2A	3643	1/1	0.92	0.12	27,27,27,27	0
56	MG	2A	3891	1/1	0.92	0.12	43,43,43,43	0
56	MG	2A	3181	1/1	0.92	0.10	31,31,31,31	0
56	MG	2a	1648	1/1	0.92	0.24	33,33,33,33	0
56	MG	2A	3416	1/1	0.92	0.09	28,28,28,28	0
56	MG	2A	3417	1/1	0.92	0.11	51,51,51,51	0
56	MG	1A	8171	1/1	0.92	0.10	28,28,28,28	0
56	MG	2A	3659	1/1	0.92	0.10	30,30,30,30	0
56	MG	2A	3185	1/1	0.92	0.13	45,45,45,45	0
56	MG	2A	3422	1/1	0.92	0.08	45,45,45,45	0
56	MG	2A	3424	1/1	0.92	0.22	50,50,50,50	0
56	MG	1B	3011	1/1	0.92	0.07	39,39,39,39	0
56	MG	2A	3909	1/1	0.92	0.30	29,29,29,29	0
56	MG	1A	8260	1/1	0.92	0.14	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1631	1/1	0.92	0.14	34,34,34,34	0
56	MG	1A	8092	1/1	0.92	0.33	17,17,17,17	0
56	MG	2A	3672	1/1	0.92	0.12	46,46,46,46	0
56	MG	1A	8505	1/1	0.92	0.12	24,24,24,24	0
56	MG	1A	8001	1/1	0.92	0.08	37,37,37,37	0
56	MG	1B	3021	1/1	0.92	0.07	28,28,28,28	0
56	MG	1a	1747	1/1	0.92	0.10	65,65,65,65	0
56	MG	1A	8063	1/1	0.92	0.07	22,22,22,22	0
56	MG	1A	8863	1/1	0.92	0.14	24,24,24,24	0
56	MG	1D	303	1/1	0.92	0.07	17,17,17,17	0
56	MG	2A	3926	1/1	0.92	0.20	36,36,36,36	0
56	MG	1a	1644	1/1	0.92	0.20	38,38,38,38	0
56	MG	2A	3463	1/1	0.92	0.09	42,42,42,42	0
56	MG	1D	305	1/1	0.92	0.14	18,18,18,18	0
56	MG	2A	3469	1/1	0.92	0.13	31,31,31,31	0
56	MG	2A	3939	1/1	0.92	0.13	43,43,43,43	0
56	MG	1D	306	1/1	0.92	0.06	21,21,21,21	0
56	MG	2A	3950	1/1	0.92	0.12	41,41,41,41	0
56	MG	2A	3691	1/1	0.92	0.16	29,29,29,29	0
56	MG	1A	8736	1/1	0.92	0.30	38,38,38,38	0
56	MG	2A	3957	1/1	0.92	0.12	41,41,41,41	0
56	MG	1A	8649	1/1	0.92	0.19	18,18,18,18	0
56	MG	2A	3960	1/1	0.92	0.46	45,45,45,45	0
56	MG	2A	3961	1/1	0.92	0.27	35,35,35,35	0
56	MG	1A	8743	1/1	0.92	0.24	14,14,14,14	0
56	MG	2a	1704	1/1	0.92	0.17	38,38,38,38	0
56	MG	2A	3022	1/1	0.92	0.26	29,29,29,29	0
56	MG	2A	3025	1/1	0.92	0.15	33,33,33,33	0
56	MG	1A	8578	1/1	0.92	0.08	10,10,10,10	0
56	MG	2A	3240	1/1	0.92	0.11	57,57,57,57	0
56	MG	2A	3970	1/1	0.92	0.20	53,53,53,53	0
56	MG	2A	3241	1/1	0.92	0.07	49,49,49,49	0
56	MG	2A	3972	1/1	0.92	0.09	31,31,31,31	0
56	MG	2A	3487	1/1	0.92	0.21	26,26,26,26	0
56	MG	2A	3713	1/1	0.92	0.08	24,24,24,24	0
56	MG	1A	8583	1/1	0.92	0.13	8,8,8,8	0
56	MG	2A	3033	1/1	0.92	0.18	28,28,28,28	0
56	MG	2A	3984	1/1	0.92	0.21	37,37,37,37	0
56	MG	1A	8013	1/1	0.92	0.09	20,20,20,20	0
56	MG	2A	3986	1/1	0.92	0.10	37,37,37,37	0
56	MG	1A	8757	1/1	0.92	0.18	42,42,42,42	0
56	MG	1a	1770	1/1	0.92	0.14	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8655	1/1	0.92	0.13	22,22,22,22	0
56	MG	2A	3258	1/1	0.92	0.07	36,36,36,36	0
56	MG	1a	1663	1/1	0.92	0.10	51,51,51,51	0
56	MG	1A	8885	1/1	0.92	0.08	31,31,31,31	0
56	MG	2A	3727	1/1	0.92	0.18	44,44,44,44	0
56	MG	1a	1665	1/1	0.92	0.18	51,51,51,51	0
56	MG	1a	1666	1/1	0.92	0.17	31,31,31,31	0
56	MG	1A	8763	1/1	0.92	0.14	28,28,28,28	0
56	MG	2a	1733	1/1	0.92	0.09	69,69,69,69	0
56	MG	1A	8897	1/1	0.92	0.11	48,48,48,48	0
56	MG	1A	8043	1/1	0.92	0.06	24,24,24,24	0
56	MG	2B	3012	1/1	0.92	0.15	52,52,52,52	0
56	MG	2a	1742	1/1	0.92	0.09	62,62,62,62	0
56	MG	1A	8120	1/1	0.92	0.13	53,53,53,53	0
56	MG	2A	3275	1/1	0.92	0.07	42,42,42,42	0
56	MG	2a	1746	1/1	0.92	0.08	59,59,59,59	0
56	MG	1R	204	1/1	0.92	0.07	26,26,26,26	0
56	MG	1A	8242	1/1	0.92	0.07	44,44,44,44	0
56	MG	2a	1751	1/1	0.92	0.09	50,50,50,50	0
56	MG	1a	1678	1/1	0.92	0.08	43,43,43,43	0
56	MG	1a	1679	1/1	0.92	0.07	36,36,36,36	0
56	MG	2A	3747	1/1	0.92	0.12	39,39,39,39	0
56	MG	2a	1757	1/1	0.92	0.11	55,55,55,55	0
56	MG	1A	8669	1/1	0.92	0.09	27,27,27,27	0
56	MG	2a	1759	1/1	0.92	0.14	76,76,76,76	0
56	MG	1V	201	1/1	0.92	0.09	28,28,28,28	0
56	MG	2A	3754	1/1	0.92	0.17	36,36,36,36	0
56	MG	1A	8670	1/1	0.92	0.32	41,41,41,41	0
56	MG	1a	1683	1/1	0.92	0.14	39,39,39,39	0
56	MG	2A	3759	1/1	0.92	0.10	52,52,52,52	0
56	MG	2A	3760	1/1	0.92	0.10	47,47,47,47	0
56	MG	2A	3089	1/1	0.92	0.12	34,34,34,34	0
56	MG	2A	3301	1/1	0.92	0.13	52,52,52,52	0
56	MG	10	104	1/1	0.92	0.13	41,41,41,41	0
56	MG	2A	3767	1/1	0.92	0.10	52,52,52,52	0
56	MG	1A	8672	1/1	0.92	0.10	19,19,19,19	0
56	MG	2F	304	1/1	0.92	0.11	44,44,44,44	0
56	MG	2A	3772	1/1	0.92	0.10	43,43,43,43	0
56	MG	10	108	1/1	0.92	0.15	35,35,35,35	0
56	MG	2A	3094	1/1	0.92	0.16	38,38,38,38	0
56	MG	2A	3097	1/1	0.92	0.18	38,38,38,38	0
56	MG	1a	1689	1/1	0.92	0.14	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3549	1/1	0.92	0.08	39,39,39,39	0
56	MG	2A	3780	1/1	0.92	0.13	44,44,44,44	0
56	MG	1A	8789	1/1	0.92	0.12	22,22,22,22	0
56	MG	2A	3101	1/1	0.92	0.16	48,48,48,48	0
56	MG	2A	3325	1/1	0.92	0.14	35,35,35,35	0
56	MG	1a	1694	1/1	0.92	0.12	27,27,27,27	0
56	MG	2a	1798	1/1	0.92	0.10	49,49,49,49	0
56	MG	1a	1696	1/1	0.92	0.13	54,54,54,54	0
56	MG	2a	1801	1/1	0.92	0.15	61,61,61,61	0
56	MG	2A	3112	1/1	0.92	0.10	29,29,29,29	0
56	MG	2A	3796	1/1	0.92	0.09	29,29,29,29	0
56	MG	1A	8121	1/1	0.92	0.07	19,19,19,19	0
56	MG	1A	8532	1/1	0.92	0.20	15,15,15,15	0
56	MG	1a	1809	1/1	0.92	0.11	51,51,51,51	0
56	MG	2A	3122	1/1	0.92	0.10	55,55,55,55	0
56	MG	2V	201	1/1	0.92	0.07	32,32,32,32	0
56	MG	1A	8612	1/1	0.92	0.09	8,8,8,8	0
56	MG	2a	1814	1/1	0.92	0.09	40,40,40,40	0
56	MG	2X	101	1/1	0.92	0.08	33,33,33,33	0
56	MG	1a	1817	1/1	0.92	0.15	52,52,52,52	0
56	MG	2A	3577	1/1	0.92	0.11	25,25,25,25	0
56	MG	2a	1820	1/1	0.92	0.14	60,60,60,60	0
56	MG	20	102	1/1	0.92	0.13	43,43,43,43	0
56	MG	2A	3346	1/1	0.92	0.08	29,29,29,29	0
56	MG	2A	3582	1/1	0.92	0.07	27,27,27,27	0
56	MG	1A	8281	1/1	0.92	0.09	28,28,28,28	0
56	MG	2A	3128	1/1	0.92	0.11	48,48,48,48	0
56	MG	2A	3588	1/1	0.92	0.11	44,44,44,44	0
56	MG	27	101	1/1	0.92	0.28	39,39,39,39	0
56	MG	1A	8433	1/1	0.92	0.09	14,14,14,14	0
56	MG	2n	502	1/1	0.92	0.12	55,55,55,55	0
56	MG	2v	101	1/1	0.92	0.10	61,61,61,61	0
56	MG	2A	3133	1/1	0.92	0.22	39,39,39,39	0
56	MG	1A	8384	1/1	0.92	0.10	36,36,36,36	0
56	MG	1a	1714	1/1	0.92	0.08	42,42,42,42	0
56	MG	2A	3140	1/1	0.92	0.12	25,25,25,25	0
56	MG	2A	3142	1/1	0.92	0.11	36,36,36,36	0
56	MG	2x	107	1/1	0.92	0.09	52,52,52,52	0
56	MG	1a	1608	1/1	0.92	0.09	47,47,47,47	0
56	MG	1a	1610	1/1	0.92	0.14	36,36,36,36	0
56	MG	2a	1616	1/1	0.92	0.12	37,37,37,37	0
56	MG	2A	3375	1/1	0.92	0.11	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8949	1/1	0.92	0.18	16,16,16,16	0
56	MG	1A	8970	1/1	0.92	0.12	29,29,29,29	0
56	MG	2a	1603	1/1	0.93	0.12	45,45,45,45	0
56	MG	2a	1606	1/1	0.93	0.21	35,35,35,35	0
56	MG	1A	8321	1/1	0.93	0.15	5,5,5,5	0
56	MG	2A	3566	1/1	0.93	0.18	43,43,43,43	0
56	MG	2A	3086	1/1	0.93	0.28	40,40,40,40	0
56	MG	2A	3815	1/1	0.93	0.07	33,33,33,33	0
56	MG	2A	3568	1/1	0.93	0.11	22,22,22,22	0
56	MG	2a	1614	1/1	0.93	0.14	49,49,49,49	0
56	MG	1A	8517	1/1	0.93	0.10	32,32,32,32	0
56	MG	2A	3322	1/1	0.93	0.07	37,37,37,37	0
56	MG	2A	3828	1/1	0.93	0.18	58,58,58,58	0
56	MG	1A	8322	1/1	0.93	0.07	45,45,45,45	0
56	MG	2A	3324	1/1	0.93	0.09	33,33,33,33	0
56	MG	2A	3090	1/1	0.93	0.10	39,39,39,39	0
56	MG	2A	3580	1/1	0.93	0.18	49,49,49,49	0
56	MG	1A	8123	1/1	0.93	0.40	22,22,22,22	0
56	MG	1a	1784	1/1	0.93	0.12	54,54,54,54	0
56	MG	1A	8251	1/1	0.93	0.07	33,33,33,33	0
56	MG	2A	3585	1/1	0.93	0.22	33,33,33,33	0
56	MG	1A	8035	1/1	0.93	0.10	30,30,30,30	0
56	MG	2A	3850	1/1	0.93	0.10	39,39,39,39	0
56	MG	2a	1632	1/1	0.93	0.22	51,51,51,51	0
56	MG	2A	3852	1/1	0.93	0.10	40,40,40,40	0
56	MG	2a	1634	1/1	0.93	0.07	54,54,54,54	0
56	MG	1A	8829	1/1	0.93	0.21	42,42,42,42	0
56	MG	1A	8060	1/1	0.93	0.07	31,31,31,31	0
56	MG	1A	8040	1/1	0.93	0.15	32,32,32,32	0
56	MG	2A	3860	1/1	0.93	0.10	46,46,46,46	0
56	MG	1A	8329	1/1	0.93	0.07	24,24,24,24	0
56	MG	1G	3001	1/1	0.93	0.07	52,52,52,52	0
56	MG	2A	3599	1/1	0.93	0.06	48,48,48,48	0
56	MG	2a	1644	1/1	0.93	0.11	46,46,46,46	0
56	MG	1A	8003	1/1	0.93	0.09	29,29,29,29	0
56	MG	1A	8443	1/1	0.93	0.07	13,13,13,13	0
56	MG	1A	8147	1/1	0.93	0.19	18,18,18,18	0
56	MG	2A	3117	1/1	0.93	0.15	45,45,45,45	0
56	MG	2A	3871	1/1	0.93	0.08	56,56,56,56	0
56	MG	2A	3607	1/1	0.93	0.08	37,37,37,37	0
56	MG	2A	3118	1/1	0.93	0.25	48,48,48,48	0
56	MG	1A	8861	1/1	0.93	0.09	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3613	1/1	0.93	0.09	62,62,62,62	0
56	MG	1P	201	1/1	0.93	0.10	18,18,18,18	0
56	MG	2A	3886	1/1	0.93	0.08	43,43,43,43	0
56	MG	2a	1657	1/1	0.93	0.18	38,38,38,38	0
56	MG	1A	8463	1/1	0.93	0.09	7,7,7,7	0
56	MG	1A	8335	1/1	0.93	0.17	38,38,38,38	0
56	MG	1A	8110	1/1	0.93	0.17	14,14,14,14	0
56	MG	1A	8555	1/1	0.93	0.08	37,37,37,37	0
56	MG	1A	8064	1/1	0.93	0.07	23,23,23,23	0
56	MG	2A	3895	1/1	0.93	0.09	27,27,27,27	0
56	MG	2A	3627	1/1	0.93	0.06	55,55,55,55	0
56	MG	2a	1669	1/1	0.93	0.11	40,40,40,40	0
56	MG	2a	1670	1/1	0.93	0.11	53,53,53,53	0
56	MG	2a	1671	1/1	0.93	0.08	34,34,34,34	0
56	MG	1A	8206	1/1	0.93	0.15	18,18,18,18	0
56	MG	1V	203	1/1	0.93	0.07	40,40,40,40	0
56	MG	1A	8565	1/1	0.93	0.23	17,17,17,17	0
56	MG	1A	8697	1/1	0.93	0.08	32,32,32,32	0
56	MG	1a	1698	1/1	0.93	0.06	29,29,29,29	0
56	MG	1a	1827	1/1	0.93	0.12	62,62,62,62	0
56	MG	1A	8158	1/1	0.93	0.08	27,27,27,27	0
56	MG	1A	8029	1/1	0.93	0.09	15,15,15,15	0
56	MG	2A	3911	1/1	0.93	0.12	53,53,53,53	0
56	MG	2A	3147	1/1	0.93	0.20	36,36,36,36	0
56	MG	1a	1702	1/1	0.93	0.08	48,48,48,48	0
56	MG	2A	3648	1/1	0.93	0.09	34,34,34,34	0
56	MG	2A	3650	1/1	0.93	0.10	36,36,36,36	0
56	MG	2A	3653	1/1	0.93	0.11	41,41,41,41	0
56	MG	1a	1703	1/1	0.93	0.14	48,48,48,48	0
56	MG	1a	1837	1/1	0.93	0.14	39,39,39,39	0
56	MG	15	103	1/1	0.93	0.14	20,20,20,20	0
56	MG	2A	3407	1/1	0.93	0.12	29,29,29,29	0
56	MG	1A	8169	1/1	0.93	0.22	16,16,16,16	0
56	MG	2a	1701	1/1	0.93	0.14	82,82,82,82	0
56	MG	2A	3661	1/1	0.93	0.14	36,36,36,36	0
56	MG	1A	8479	1/1	0.93	0.11	38,38,38,38	0
56	MG	1A	8231	1/1	0.93	0.07	25,25,25,25	0
56	MG	19	104	1/1	0.93	0.10	34,34,34,34	0
56	MG	1A	8283	1/1	0.93	0.14	13,13,13,13	0
56	MG	1a	1719	1/1	0.93	0.10	35,35,35,35	0
56	MG	1a	1720	1/1	0.93	0.12	49,49,49,49	0
56	MG	2A	3946	1/1	0.93	0.48	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8901	1/1	0.93	0.09	34,34,34,34	0
56	MG	1a	1724	1/1	0.93	0.11	50,50,50,50	0
56	MG	1A	8718	1/1	0.93	0.16	27,27,27,27	0
56	MG	2A	3955	1/1	0.93	0.25	35,35,35,35	0
56	MG	2A	3427	1/1	0.93	0.11	22,22,22,22	0
56	MG	2A	3678	1/1	0.93	0.15	49,49,49,49	0
56	MG	2A	3959	1/1	0.93	0.30	38,38,38,38	0
56	MG	2A	3183	1/1	0.93	0.13	36,36,36,36	0
56	MG	1a	1606	1/1	0.93	0.18	36,36,36,36	0
56	MG	1A	8719	1/1	0.93	0.12	9,9,9,9	0
56	MG	2A	3192	1/1	0.93	0.11	29,29,29,29	0
56	MG	1A	8904	1/1	0.93	0.09	41,41,41,41	0
56	MG	1A	8594	1/1	0.93	0.09	36,36,36,36	0
56	MG	2A	3445	1/1	0.93	0.07	42,42,42,42	0
56	MG	2A	3687	1/1	0.93	0.07	30,30,30,30	0
56	MG	1A	8597	1/1	0.93	0.17	14,14,14,14	0
56	MG	1o	102	1/1	0.93	0.06	26,26,26,26	0
56	MG	1A	8233	1/1	0.93	0.12	21,21,21,21	0
56	MG	2A	3692	1/1	0.93	0.12	33,33,33,33	0
56	MG	1A	8486	1/1	0.93	0.10	26,26,26,26	0
56	MG	1x	3004	1/1	0.93	0.15	47,47,47,47	0
56	MG	2a	1736	1/1	0.93	0.11	68,68,68,68	0
56	MG	2a	1737	1/1	0.93	0.09	53,53,53,53	0
56	MG	1A	8378	1/1	0.93	0.12	24,24,24,24	0
56	MG	2A	3465	1/1	0.93	0.12	23,23,23,23	0
56	MG	1A	8604	1/1	0.93	0.10	29,29,29,29	0
56	MG	1A	8930	1/1	0.93	0.16	23,23,23,23	0
56	MG	2A	3471	1/1	0.93	0.07	35,35,35,35	0
56	MG	2A	3472	1/1	0.93	0.08	29,29,29,29	0
56	MG	2A	3208	1/1	0.93	0.09	31,31,31,31	0
56	MG	2A	3474	1/1	0.93	0.07	37,37,37,37	0
56	MG	1A	8605	1/1	0.93	0.21	41,41,41,41	0
56	MG	2A	3217	1/1	0.93	0.27	30,30,30,30	0
56	MG	1a	1741	1/1	0.93	0.09	47,47,47,47	0
56	MG	2A	3002	1/1	0.93	0.15	28,28,28,28	0
56	MG	1A	8608	1/1	0.93	0.14	29,29,29,29	0
56	MG	2A	3004	1/1	0.93	0.08	39,39,39,39	0
56	MG	2a	1760	1/1	0.93	0.08	56,56,56,56	0
56	MG	1a	1624	1/1	0.93	0.15	34,34,34,34	0
56	MG	2A	3723	1/1	0.93	0.13	45,45,45,45	0
56	MG	2A	3010	1/1	0.93	0.19	28,28,28,28	0
56	MG	2a	1765	1/1	0.93	0.25	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3236	1/1	0.93	0.25	46,46,46,46	0
56	MG	2a	1767	1/1	0.93	0.21	65,65,65,65	0
56	MG	2A	3489	1/1	0.93	0.08	27,27,27,27	0
56	MG	1A	8610	1/1	0.93	0.15	41,41,41,41	0
56	MG	1A	8489	1/1	0.93	0.20	9,9,9,9	0
56	MG	2A	3016	1/1	0.93	0.44	34,34,34,34	0
56	MG	2A	3496	1/1	0.93	0.08	36,36,36,36	0
56	MG	1a	1628	1/1	0.93	0.12	39,39,39,39	0
56	MG	2A	3020	1/1	0.93	0.18	26,26,26,26	0
56	MG	2A	3738	1/1	0.93	0.11	43,43,43,43	0
56	MG	2A	3021	1/1	0.93	0.18	30,30,30,30	0
56	MG	1A	8966	1/1	0.93	0.07	22,22,22,22	0
56	MG	2D	306	1/1	0.93	0.11	34,34,34,34	0
56	MG	2A	3249	1/1	0.93	0.18	31,31,31,31	0
56	MG	1A	8170	1/1	0.93	0.14	23,23,23,23	0
56	MG	2D	314	1/1	0.93	0.07	25,25,25,25	0
56	MG	2A	3029	1/1	0.93	0.76	31,31,31,31	0
56	MG	1a	1750	1/1	0.93	0.07	56,56,56,56	0
56	MG	2a	1793	1/1	0.93	0.10	52,52,52,52	0
56	MG	2E	301	1/1	0.93	0.12	37,37,37,37	0
56	MG	1A	8380	1/1	0.93	0.07	16,16,16,16	0
56	MG	1A	8026	1/1	0.93	0.17	10,10,10,10	0
56	MG	2A	3262	1/1	0.93	0.08	38,38,38,38	0
56	MG	2F	301	1/1	0.93	0.10	43,43,43,43	0
56	MG	2a	1800	1/1	0.93	0.09	39,39,39,39	0
56	MG	1A	8618	1/1	0.93	0.18	41,41,41,41	0
56	MG	2A	3756	1/1	0.93	0.12	28,28,28,28	0
56	MG	1A	8780	1/1	0.93	0.17	10,10,10,10	0
56	MG	2A	3521	1/1	0.93	0.14	34,34,34,34	0
56	MG	1B	3004	1/1	0.93	0.14	35,35,35,35	0
56	MG	2A	3039	1/1	0.93	0.12	38,38,38,38	0
56	MG	1A	8781	1/1	0.93	0.08	14,14,14,14	0
56	MG	1A	8307	1/1	0.93	0.06	18,18,18,18	0
56	MG	2A	3042	1/1	0.93	0.16	38,38,38,38	0
56	MG	2A	3043	1/1	0.93	0.09	42,42,42,42	0
56	MG	2P	201	1/1	0.93	0.10	38,38,38,38	0
56	MG	1B	3010	1/1	0.93	0.20	44,44,44,44	0
56	MG	1a	1645	1/1	0.93	0.22	34,34,34,34	0
56	MG	1a	1766	1/1	0.93	0.12	34,34,34,34	0
56	MG	1A	8314	1/1	0.93	0.08	12,12,12,12	0
56	MG	2A	3283	1/1	0.93	0.09	30,30,30,30	0
56	MG	2A	3537	1/1	0.93	0.07	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8315	1/1	0.93	0.10	28,28,28,28	0
56	MG	1A	8122	1/1	0.93	0.07	18,18,18,18	0
56	MG	2A	3291	1/1	0.93	0.24	19,19,19,19	0
56	MG	2i	3001	1/1	0.93	0.10	36,36,36,36	0
56	MG	2j	201	1/1	0.93	0.12	65,65,65,65	0
56	MG	2A	3783	1/1	0.93	0.14	55,55,55,55	0
56	MG	1a	1654	1/1	0.93	0.16	43,43,43,43	0
56	MG	1A	8246	1/1	0.93	0.24	45,45,45,45	0
56	MG	2o	3001	1/1	0.93	0.07	32,32,32,32	0
56	MG	1A	8632	1/1	0.93	0.10	55,55,55,55	0
56	MG	2A	3297	1/1	0.93	0.09	31,31,31,31	0
56	MG	2A	3795	1/1	0.93	0.08	28,28,28,28	0
56	MG	2x	103	1/1	0.93	0.17	49,49,49,49	0
56	MG	1A	8509	1/1	0.93	0.11	42,42,42,42	0
56	MG	1A	8641	1/1	0.93	0.10	20,20,20,20	0
56	MG	1A	8510	1/1	0.93	0.14	29,29,29,29	0
56	MG	2A	3800	1/1	0.93	0.10	34,34,34,34	0
56	MG	25	103	1/1	0.93	0.12	46,46,46,46	0
56	MG	2A	3077	1/1	0.93	0.19	30,30,30,30	0
56	MG	2A	3559	1/1	0.93	0.14	25,25,25,25	0
56	MG	2A	3561	1/1	0.93	0.21	32,32,32,32	0
56	MG	1a	1778	1/1	0.93	0.05	33,33,33,33	0
56	MG	2a	1602	1/1	0.93	0.20	48,48,48,48	0
56	MG	1A	8075	1/1	0.94	0.06	20,20,20,20	0
56	MG	1A	8193	1/1	0.94	0.09	28,28,28,28	0
56	MG	2Q	204	1/1	0.94	0.06	42,42,42,42	0
56	MG	2A	3740	1/1	0.94	0.27	39,39,39,39	0
56	MG	1A	8514	1/1	0.94	0.20	48,48,48,48	0
56	MG	2U	203	1/1	0.94	0.20	35,35,35,35	0
56	MG	1A	8631	1/1	0.94	0.07	53,53,53,53	0
56	MG	1h	8001	1/1	0.94	0.08	52,52,52,52	0
56	MG	1A	8794	1/1	0.94	0.08	24,24,24,24	0
56	MG	2A	3200	1/1	0.94	0.09	21,21,21,21	0
56	MG	1A	8154	1/1	0.94	0.10	22,22,22,22	0
56	MG	1A	8118	1/1	0.94	0.07	10,10,10,10	0
56	MG	1A	8157	1/1	0.94	0.08	23,23,23,23	0
56	MG	2A	3204	1/1	0.94	0.14	31,31,31,31	0
56	MG	1A	8801	1/1	0.94	0.08	25,25,25,25	0
56	MG	1A	8088	1/1	0.94	0.06	16,16,16,16	0
56	MG	2A	3488	1/1	0.94	0.08	30,30,30,30	0
56	MG	1A	8644	1/1	0.94	0.11	36,36,36,36	0
56	MG	1A	8016	1/1	0.94	0.06	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8648	1/1	0.94	0.13	27,27,27,27	0
56	MG	2A	3492	1/1	0.94	0.08	35,35,35,35	0
56	MG	2A	3211	1/1	0.94	0.20	35,35,35,35	0
56	MG	2A	3213	1/1	0.94	0.14	32,32,32,32	0
56	MG	2A	3499	1/1	0.94	0.10	51,51,51,51	0
56	MG	28	101	1/1	0.94	0.11	54,54,54,54	0
56	MG	1A	8525	1/1	0.94	0.06	10,10,10,10	0
56	MG	29	503	1/1	0.94	0.12	62,62,62,62	0
56	MG	2A	3219	1/1	0.94	0.10	29,29,29,29	0
56	MG	1a	1709	1/1	0.94	0.08	30,30,30,30	0
56	MG	1N	201	1/1	0.94	0.12	24,24,24,24	0
56	MG	1A	8205	1/1	0.94	0.09	25,25,25,25	0
56	MG	2a	1609	1/1	0.94	0.15	45,45,45,45	0
56	MG	1x	3008	1/1	0.94	0.16	36,36,36,36	0
56	MG	2A	3226	1/1	0.94	0.12	27,27,27,27	0
56	MG	2A	3227	1/1	0.94	0.13	34,34,34,34	0
56	MG	1x	3009	1/1	0.94	0.28	41,41,41,41	0
56	MG	2A	3230	1/1	0.94	0.21	33,33,33,33	0
56	MG	2A	3513	1/1	0.94	0.07	38,38,38,38	0
56	MG	1N	204	1/1	0.94	0.17	68,68,68,68	0
56	MG	2A	3235	1/1	0.94	0.06	43,43,43,43	0
56	MG	2A	3790	1/1	0.94	0.12	45,45,45,45	0
56	MG	2A	3794	1/1	0.94	0.07	63,63,63,63	0
56	MG	1A	8424	1/1	0.94	0.07	26,26,26,26	0
56	MG	1x	3013	1/1	0.94	0.13	53,53,53,53	0
56	MG	2A	3522	1/1	0.94	0.09	51,51,51,51	0
56	MG	1A	8824	1/1	0.94	0.08	37,37,37,37	0
56	MG	1A	8652	1/1	0.94	0.06	24,24,24,24	0
56	MG	1Q	205	1/1	0.94	0.07	26,26,26,26	0
56	MG	1A	8163	1/1	0.94	0.10	17,17,17,17	0
56	MG	2A	3243	1/1	0.94	0.24	31,31,31,31	0
56	MG	2A	3007	1/1	0.94	0.21	38,38,38,38	0
56	MG	2A	3808	1/1	0.94	0.08	31,31,31,31	0
56	MG	2A	3246	1/1	0.94	0.07	26,26,26,26	0
56	MG	1A	8836	1/1	0.94	0.07	17,17,17,17	0
56	MG	1A	8838	1/1	0.94	0.07	7,7,7,7	0
56	MG	2A	3250	1/1	0.94	0.33	40,40,40,40	0
56	MG	2A	3816	1/1	0.94	0.12	62,62,62,62	0
56	MG	1A	8270	1/1	0.94	0.08	20,20,20,20	0
56	MG	2A	3818	1/1	0.94	0.18	44,44,44,44	0
56	MG	1A	8657	1/1	0.94	0.14	19,19,19,19	0
56	MG	2A	3017	1/1	0.94	0.34	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8659	1/1	0.94	0.09	23,23,23,23	0
56	MG	10	103	1/1	0.94	0.13	21,21,21,21	0
56	MG	2a	1647	1/1	0.94	0.19	48,48,48,48	0
56	MG	1A	8852	1/1	0.94	0.08	27,27,27,27	0
56	MG	1A	8210	1/1	0.94	0.10	14,14,14,14	0
56	MG	1A	8663	1/1	0.94	0.10	21,21,21,21	0
56	MG	13	102	1/1	0.94	0.12	20,20,20,20	0
56	MG	1a	1738	1/1	0.94	0.09	43,43,43,43	0
56	MG	1A	8665	1/1	0.94	0.07	63,63,63,63	0
56	MG	2A	3845	1/1	0.94	0.24	51,51,51,51	0
56	MG	2A	3269	1/1	0.94	0.27	44,44,44,44	0
56	MG	1A	8539	1/1	0.94	0.10	26,26,26,26	0
56	MG	2A	3848	1/1	0.94	0.13	63,63,63,63	0
56	MG	2a	1659	1/1	0.94	0.14	46,46,46,46	0
56	MG	2A	3849	1/1	0.94	0.16	56,56,56,56	0
56	MG	2A	3555	1/1	0.94	0.09	35,35,35,35	0
56	MG	2A	3556	1/1	0.94	0.07	49,49,49,49	0
56	MG	2A	3557	1/1	0.94	0.33	33,33,33,33	0
56	MG	1A	8442	1/1	0.94	0.09	47,47,47,47	0
56	MG	1A	8865	1/1	0.94	0.10	28,28,28,28	0
56	MG	2A	3562	1/1	0.94	0.09	33,33,33,33	0
56	MG	2a	1668	1/1	0.94	0.10	46,46,46,46	0
56	MG	2A	3276	1/1	0.94	0.08	42,42,42,42	0
56	MG	2A	3277	1/1	0.94	0.18	59,59,59,59	0
56	MG	1A	8543	1/1	0.94	0.09	20,20,20,20	0
56	MG	2A	3038	1/1	0.94	0.16	30,30,30,30	0
56	MG	1A	8545	1/1	0.94	0.11	33,33,33,33	0
56	MG	2A	3868	1/1	0.94	0.09	48,48,48,48	0
56	MG	2a	1677	1/1	0.94	0.07	62,62,62,62	0
56	MG	2A	3569	1/1	0.94	0.09	43,43,43,43	0
56	MG	2A	3571	1/1	0.94	0.09	26,26,26,26	0
56	MG	1a	1602	1/1	0.94	0.18	54,54,54,54	0
56	MG	1A	8168	1/1	0.94	0.07	23,23,23,23	0
56	MG	1A	8445	1/1	0.94	0.07	18,18,18,18	0
56	MG	2A	3874	1/1	0.94	0.09	32,32,32,32	0
56	MG	2A	3876	1/1	0.94	0.30	30,30,30,30	0
56	MG	2a	1689	1/1	0.94	0.09	41,41,41,41	0
56	MG	1A	8876	1/1	0.94	0.12	10,10,10,10	0
56	MG	2A	3045	1/1	0.94	0.18	20,20,20,20	0
56	MG	2A	3884	1/1	0.94	0.09	37,37,37,37	0
56	MG	2A	3578	1/1	0.94	0.09	47,47,47,47	0
56	MG	2A	3048	1/1	0.94	0.06	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8878	1/1	0.94	0.06	16,16,16,16	0
56	MG	1A	8449	1/1	0.94	0.06	61,61,61,61	0
56	MG	2A	3890	1/1	0.94	0.26	60,60,60,60	0
56	MG	2A	3051	1/1	0.94	0.13	29,29,29,29	0
56	MG	2A	3298	1/1	0.94	0.07	29,29,29,29	0
56	MG	1a	1609	1/1	0.94	0.12	43,43,43,43	0
56	MG	2A	3302	1/1	0.94	0.14	48,48,48,48	0
56	MG	1A	8457	1/1	0.94	0.07	9,9,9,9	0
56	MG	2A	3312	1/1	0.94	0.06	25,25,25,25	0
56	MG	2A	3593	1/1	0.94	0.15	24,24,24,24	0
56	MG	1a	1755	1/1	0.94	0.12	60,60,60,60	0
56	MG	2A	3903	1/1	0.94	0.12	49,49,49,49	0
56	MG	2A	3904	1/1	0.94	0.21	47,47,47,47	0
56	MG	2A	3597	1/1	0.94	0.19	44,44,44,44	0
56	MG	1a	1611	1/1	0.94	0.13	38,38,38,38	0
56	MG	1A	8276	1/1	0.94	0.23	15,15,15,15	0
56	MG	2A	3318	1/1	0.94	0.12	30,30,30,30	0
56	MG	1A	8883	1/1	0.94	0.08	30,30,30,30	0
56	MG	1A	8133	1/1	0.94	0.07	15,15,15,15	0
56	MG	2A	3066	1/1	0.94	0.07	26,26,26,26	0
56	MG	1A	8688	1/1	0.94	0.07	20,20,20,20	0
56	MG	2A	3610	1/1	0.94	0.10	57,57,57,57	0
56	MG	1a	1617	1/1	0.94	0.12	53,53,53,53	0
56	MG	1A	8892	1/1	0.94	0.08	28,28,28,28	0
56	MG	1A	8222	1/1	0.94	0.14	18,18,18,18	0
56	MG	1A	8341	1/1	0.94	0.07	17,17,17,17	0
56	MG	1A	8346	1/1	0.94	0.12	14,14,14,14	0
56	MG	2A	3617	1/1	0.94	0.11	43,43,43,43	0
56	MG	2A	3082	1/1	0.94	0.17	35,35,35,35	0
56	MG	2A	3619	1/1	0.94	0.10	36,36,36,36	0
56	MG	2A	3330	1/1	0.94	0.07	23,23,23,23	0
56	MG	2A	3085	1/1	0.94	0.23	28,28,28,28	0
56	MG	2A	3931	1/1	0.94	0.09	47,47,47,47	0
56	MG	1A	8700	1/1	0.94	0.08	27,27,27,27	0
56	MG	1a	1772	1/1	0.94	0.09	53,53,53,53	0
56	MG	1A	8573	1/1	0.94	0.08	18,18,18,18	0
56	MG	1A	8348	1/1	0.94	0.06	7,7,7,7	0
56	MG	2a	1741	1/1	0.94	0.08	61,61,61,61	0
56	MG	1A	8579	1/1	0.94	0.14	27,27,27,27	0
56	MG	1A	8581	1/1	0.94	0.07	15,15,15,15	0
56	MG	2A	3951	1/1	0.94	0.19	30,30,30,30	0
56	MG	2A	3349	1/1	0.94	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
56	MG	1A	8714	1/1	0.94	0.08	9,9,9,9	0
56	MG	1A	8139	1/1	0.94	0.08	15,15,15,15	0
56	MG	2A	3096	1/1	0.94	0.19	21,21,21,21	0
56	MG	1A	8360	1/1	0.94	0.07	25,25,25,25	0
56	MG	1a	1637	1/1	0.94	0.23	38,38,38,38	0
56	MG	1A	8914	1/1	0.94	0.12	46,46,46,46	0
56	MG	2A	3369	1/1	0.94	0.08	25,25,25,25	0
56	MG	1A	8474	1/1	0.94	0.09	13,13,13,13	0
56	MG	1A	8920	1/1	0.94	0.21	6,6,6,6	0
56	MG	2A	3655	1/1	0.94	0.07	25,25,25,25	0
56	MG	1A	8107	1/1	0.94	0.13	18,18,18,18	0
56	MG	1a	1786	1/1	0.94	0.08	56,56,56,56	0
56	MG	2A	3968	1/1	0.94	0.13	38,38,38,38	0
56	MG	1A	8922	1/1	0.94	0.08	16,16,16,16	0
56	MG	2A	3376	1/1	0.94	0.09	23,23,23,23	0
56	MG	2A	3377	1/1	0.94	0.10	32,32,32,32	0
56	MG	2A	3976	1/1	0.94	0.15	28,28,28,28	0
56	MG	1A	8925	1/1	0.94	0.11	32,32,32,32	0
56	MG	2A	3978	1/1	0.94	0.09	41,41,41,41	0
56	MG	1A	8725	1/1	0.94	0.12	18,18,18,18	0
56	MG	1a	1646	1/1	0.94	0.21	34,34,34,34	0
56	MG	1A	8364	1/1	0.94	0.10	26,26,26,26	0
56	MG	1A	8939	1/1	0.94	0.15	12,12,12,12	0
56	MG	2A	3389	1/1	0.94	0.07	45,45,45,45	0
56	MG	1A	8940	1/1	0.94	0.10	6,6,6,6	0
56	MG	1A	8480	1/1	0.94	0.09	34,34,34,34	0
56	MG	2A	3392	1/1	0.94	0.12	35,35,35,35	0
56	MG	1A	8144	1/1	0.94	0.18	35,35,35,35	0
56	MG	1A	8599	1/1	0.94	0.09	24,24,24,24	0
56	MG	1A	8960	1/1	0.94	0.06	20,20,20,20	0
56	MG	1A	8739	1/1	0.94	0.07	28,28,28,28	0
56	MG	1A	8741	1/1	0.94	0.16	25,25,25,25	0
56	MG	1A	8286	1/1	0.94	0.07	11,11,11,11	0
56	MG	1A	8371	1/1	0.94	0.10	11,11,11,11	0
56	MG	1a	1662	1/1	0.94	0.09	44,44,44,44	0
56	MG	2A	3411	1/1	0.94	0.09	36,36,36,36	0
56	MG	1A	8287	1/1	0.94	0.15	23,23,23,23	0
56	MG	2A	3688	1/1	0.94	0.08	47,47,47,47	0
56	MG	2A	3413	1/1	0.94	0.26	44,44,44,44	0
56	MG	1A	8751	1/1	0.94	0.10	44,44,44,44	0
56	MG	1A	8174	1/1	0.94	0.06	28,28,28,28	0
56	MG	2A	3148	1/1	0.94	0.12	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3418	1/1	0.94	0.16	57,57,57,57	0
56	MG	1A	8376	1/1	0.94	0.06	14,14,14,14	0
56	MG	2A	3420	1/1	0.94	0.10	54,54,54,54	0
56	MG	2A	3150	1/1	0.94	0.18	35,35,35,35	0
56	MG	1B	3006	1/1	0.94	0.06	25,25,25,25	0
56	MG	1B	3007	1/1	0.94	0.19	37,37,37,37	0
56	MG	1A	8236	1/1	0.94	0.14	22,22,22,22	0
56	MG	2D	302	1/1	0.94	0.21	44,44,44,44	0
56	MG	1A	8175	1/1	0.94	0.06	25,25,25,25	0
56	MG	2a	1818	1/1	0.94	0.09	61,61,61,61	0
56	MG	2A	3159	1/1	0.94	0.12	36,36,36,36	0
56	MG	2A	3712	1/1	0.94	0.06	29,29,29,29	0
56	MG	2a	1821	1/1	0.94	0.07	71,71,71,71	0
56	MG	2D	309	1/1	0.94	0.06	37,37,37,37	0
56	MG	2D	312	1/1	0.94	0.08	39,39,39,39	0
56	MG	2A	3160	1/1	0.94	0.06	28,28,28,28	0
56	MG	2A	3162	1/1	0.94	0.10	39,39,39,39	0
56	MG	2A	3715	1/1	0.94	0.07	28,28,28,28	0
56	MG	1A	8308	1/1	0.94	0.06	41,41,41,41	0
56	MG	2A	3436	1/1	0.94	0.08	29,29,29,29	0
56	MG	2A	3718	1/1	0.94	0.05	30,30,30,30	0
56	MG	2A	3438	1/1	0.94	0.08	25,25,25,25	0
56	MG	1a	1835	1/1	0.94	0.13	43,43,43,43	0
56	MG	1a	1673	1/1	0.94	0.17	35,35,35,35	0
56	MG	2F	302	1/1	0.94	0.21	28,28,28,28	0
56	MG	2t	201	1/1	0.94	0.10	46,46,46,46	0
56	MG	1A	8765	1/1	0.94	0.07	23,23,23,23	0
56	MG	2F	305	1/1	0.94	0.13	26,26,26,26	0
56	MG	1A	8239	1/1	0.94	0.06	13,13,13,13	0
56	MG	2F	308	1/1	0.94	0.23	46,46,46,46	0
56	MG	2A	3448	1/1	0.94	0.08	65,65,65,65	0
56	MG	2A	3176	1/1	0.94	0.07	42,42,42,42	0
56	MG	1A	8108	1/1	0.94	0.18	18,18,18,18	0
56	MG	2A	3179	1/1	0.94	0.10	35,35,35,35	0
56	MG	1A	8777	1/1	0.94	0.09	31,31,31,31	0
56	MG	1b	3001	1/1	0.94	0.14	50,50,50,50	0
56	MG	1A	8150	1/1	0.94	0.10	36,36,36,36	0
56	MG	2A	3733	1/1	0.94	0.08	33,33,33,33	0
57	ZN	14	501	1/1	0.94	0.13	75,75,75,75	0
56	MG	1A	8319	1/1	0.94	0.06	27,27,27,27	0
56	MG	1A	8389	1/1	0.94	0.09	32,32,32,32	0
56	MG	1A	8833	1/1	0.95	0.09	12,12,12,12	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3481	1/1	0.95	0.06	39,39,39,39	0
56	MG	1A	8187	1/1	0.95	0.11	20,20,20,20	0
56	MG	1a	1708	1/1	0.95	0.14	43,43,43,43	0
56	MG	1A	8437	1/1	0.95	0.08	6,6,6,6	0
56	MG	2A	3485	1/1	0.95	0.09	44,44,44,44	0
56	MG	2A	3218	1/1	0.95	0.10	37,37,37,37	0
56	MG	2R	202	1/1	0.95	0.07	21,21,21,21	0
56	MG	2S	201	1/1	0.95	0.05	27,27,27,27	0
56	MG	2U	201	1/1	0.95	0.10	42,42,42,42	0
56	MG	1A	8438	1/1	0.95	0.08	34,34,34,34	0
56	MG	2A	3220	1/1	0.95	0.20	29,29,29,29	0
56	MG	1A	8344	1/1	0.95	0.07	26,26,26,26	0
56	MG	2A	3751	1/1	0.95	0.11	32,32,32,32	0
56	MG	1A	8671	1/1	0.95	0.08	17,17,17,17	0
56	MG	1A	8849	1/1	0.95	0.09	39,39,39,39	0
56	MG	2A	3009	1/1	0.95	0.17	42,42,42,42	0
56	MG	1a	1718	1/1	0.95	0.06	44,44,44,44	0
56	MG	2A	3495	1/1	0.95	0.19	57,57,57,57	0
56	MG	1A	8850	1/1	0.95	0.17	34,34,34,34	0
56	MG	2A	3498	1/1	0.95	0.09	45,45,45,45	0
56	MG	2A	3013	1/1	0.95	0.06	29,29,29,29	0
56	MG	20	103	1/1	0.95	0.11	62,62,62,62	0
56	MG	2A	3762	1/1	0.95	0.12	44,44,44,44	0
56	MG	1A	8054	1/1	0.95	0.09	9,9,9,9	0
56	MG	1A	8347	1/1	0.95	0.13	13,13,13,13	0
56	MG	2A	3233	1/1	0.95	0.18	28,28,28,28	0
56	MG	25	101	1/1	0.95	0.11	27,27,27,27	0
56	MG	2A	3234	1/1	0.95	0.07	42,42,42,42	0
56	MG	1A	8858	1/1	0.95	0.12	28,28,28,28	0
56	MG	1A	8675	1/1	0.95	0.06	17,17,17,17	0
56	MG	1A	8553	1/1	0.95	0.09	18,18,18,18	0
56	MG	1T	201	1/1	0.95	0.06	37,37,37,37	0
56	MG	1A	8447	1/1	0.95	0.08	13,13,13,13	0
56	MG	2A	3024	1/1	0.95	0.22	30,30,30,30	0
56	MG	2a	1601	1/1	0.95	0.09	47,47,47,47	0
56	MG	1A	8130	1/1	0.95	0.06	20,20,20,20	0
56	MG	1A	8451	1/1	0.95	0.09	19,19,19,19	0
56	MG	2a	1604	1/1	0.95	0.14	44,44,44,44	0
56	MG	2a	1605	1/1	0.95	0.11	40,40,40,40	0
56	MG	2A	3515	1/1	0.95	0.13	48,48,48,48	0
56	MG	2A	3244	1/1	0.95	0.30	30,30,30,30	0
56	MG	2A	3784	1/1	0.95	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
56	MG	2A	3518	1/1	0.95	0.08	24,24,24,24	0
56	MG	2A	3519	1/1	0.95	0.07	31,31,31,31	0
56	MG	1A	8349	1/1	0.95	0.06	13,13,13,13	0
56	MG	1a	1734	1/1	0.95	0.10	42,42,42,42	0
56	MG	1A	8351	1/1	0.95	0.06	16,16,16,16	0
56	MG	2A	3792	1/1	0.95	0.09	44,44,44,44	0
56	MG	2A	3793	1/1	0.95	0.10	34,34,34,34	0
56	MG	1A	8568	1/1	0.95	0.07	11,11,11,11	0
56	MG	2a	1618	1/1	0.95	0.07	38,38,38,38	0
56	MG	2a	1619	1/1	0.95	0.15	50,50,50,50	0
56	MG	1A	8693	1/1	0.95	0.11	28,28,28,28	0
56	MG	2A	3251	1/1	0.95	0.08	43,43,43,43	0
56	MG	2A	3797	1/1	0.95	0.13	38,38,38,38	0
56	MG	2A	3036	1/1	0.95	0.10	34,34,34,34	0
56	MG	1A	8355	1/1	0.95	0.06	7,7,7,7	0
56	MG	2A	3255	1/1	0.95	0.07	45,45,45,45	0
56	MG	11	102	1/1	0.95	0.09	23,23,23,23	0
56	MG	2a	1627	1/1	0.95	0.08	45,45,45,45	0
56	MG	1A	8241	1/1	0.95	0.14	10,10,10,10	0
56	MG	2A	3531	1/1	0.95	0.26	36,36,36,36	0
56	MG	15	101	1/1	0.95	0.07	32,32,32,32	0
56	MG	2a	1631	1/1	0.95	0.22	42,42,42,42	0
56	MG	2A	3533	1/1	0.95	0.08	50,50,50,50	0
56	MG	1A	8577	1/1	0.95	0.09	21,21,21,21	0
56	MG	1A	8465	1/1	0.95	0.07	24,24,24,24	0
56	MG	1A	8881	1/1	0.95	0.13	53,53,53,53	0
56	MG	2a	1636	1/1	0.95	0.09	33,33,33,33	0
56	MG	2A	3538	1/1	0.95	0.10	32,32,32,32	0
56	MG	1A	8117	1/1	0.95	0.20	27,27,27,27	0
56	MG	2A	3540	1/1	0.95	0.08	48,48,48,48	0
56	MG	19	101	1/1	0.95	0.27	24,24,24,24	0
56	MG	2A	3542	1/1	0.95	0.07	23,23,23,23	0
56	MG	2A	3543	1/1	0.95	0.07	50,50,50,50	0
56	MG	2A	3545	1/1	0.95	0.11	47,47,47,47	0
56	MG	19	103	1/1	0.95	0.08	23,23,23,23	0
56	MG	1A	8244	1/1	0.95	0.11	11,11,11,11	0
56	MG	2A	3271	1/1	0.95	0.28	42,42,42,42	0
56	MG	1A	8884	1/1	0.95	0.09	65,65,65,65	0
56	MG	1A	8301	1/1	0.95	0.07	27,27,27,27	0
56	MG	2A	3053	1/1	0.95	0.29	27,27,27,27	0
56	MG	1a	1603	1/1	0.95	0.09	39,39,39,39	0
56	MG	1A	8887	1/1	0.95	0.19	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8305	1/1	0.95	0.13	29,29,29,29	0
56	MG	1A	8890	1/1	0.95	0.06	23,23,23,23	0
56	MG	1A	8368	1/1	0.95	0.17	14,14,14,14	0
56	MG	1A	8160	1/1	0.95	0.07	20,20,20,20	0
56	MG	2A	3065	1/1	0.95	0.21	43,43,43,43	0
56	MG	1A	8135	1/1	0.95	0.10	26,26,26,26	0
56	MG	2A	3854	1/1	0.95	0.07	32,32,32,32	0
56	MG	2A	3068	1/1	0.95	0.14	34,34,34,34	0
56	MG	1a	1761	1/1	0.95	0.10	44,44,44,44	0
56	MG	2A	3292	1/1	0.95	0.08	51,51,51,51	0
56	MG	2A	3565	1/1	0.95	0.07	32,32,32,32	0
56	MG	2A	3070	1/1	0.95	0.18	39,39,39,39	0
56	MG	1a	1762	1/1	0.95	0.08	54,54,54,54	0
56	MG	2A	3074	1/1	0.95	0.15	33,33,33,33	0
56	MG	2A	3075	1/1	0.95	0.07	35,35,35,35	0
56	MG	1A	8722	1/1	0.95	0.13	22,22,22,22	0
56	MG	2A	3300	1/1	0.95	0.17	30,30,30,30	0
56	MG	1A	8595	1/1	0.95	0.05	35,35,35,35	0
56	MG	1A	8313	1/1	0.95	0.05	16,16,16,16	0
56	MG	2A	3303	1/1	0.95	0.07	30,30,30,30	0
56	MG	2A	3308	1/1	0.95	0.07	47,47,47,47	0
56	MG	2A	3309	1/1	0.95	0.07	38,38,38,38	0
56	MG	1A	8729	1/1	0.95	0.09	43,43,43,43	0
56	MG	1A	8731	1/1	0.95	0.16	40,40,40,40	0
56	MG	2A	3878	1/1	0.95	0.06	45,45,45,45	0
56	MG	1A	8905	1/1	0.95	0.08	42,42,42,42	0
56	MG	1A	8138	1/1	0.95	0.05	14,14,14,14	0
56	MG	2A	3881	1/1	0.95	0.17	56,56,56,56	0
56	MG	1A	8042	1/1	0.95	0.06	33,33,33,33	0
56	MG	2A	3586	1/1	0.95	0.07	33,33,33,33	0
56	MG	2A	3088	1/1	0.95	0.18	33,33,33,33	0
56	MG	1A	8735	1/1	0.95	0.06	15,15,15,15	0
56	MG	1A	8316	1/1	0.95	0.06	14,14,14,14	0
56	MG	1A	8257	1/1	0.95	0.14	11,11,11,11	0
56	MG	1A	8011	1/1	0.95	0.13	27,27,27,27	0
56	MG	2A	3594	1/1	0.95	0.06	44,44,44,44	0
56	MG	2A	3595	1/1	0.95	0.07	32,32,32,32	0
56	MG	1A	8917	1/1	0.95	0.18	21,21,21,21	0
56	MG	1A	8381	1/1	0.95	0.08	10,10,10,10	0
56	MG	2A	3095	1/1	0.95	0.10	29,29,29,29	0
56	MG	2A	3900	1/1	0.95	0.08	41,41,41,41	0
56	MG	1a	1627	1/1	0.95	0.10	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3602	1/1	0.95	0.14	53,53,53,53	0
56	MG	1A	8142	1/1	0.95	0.28	11,11,11,11	0
56	MG	2A	3328	1/1	0.95	0.26	31,31,31,31	0
56	MG	1A	8212	1/1	0.95	0.13	33,33,33,33	0
56	MG	2A	3099	1/1	0.95	0.11	34,34,34,34	0
56	MG	1A	8923	1/1	0.95	0.18	17,17,17,17	0
56	MG	2A	3608	1/1	0.95	0.10	21,21,21,21	0
56	MG	1a	1632	1/1	0.95	0.16	41,41,41,41	0
56	MG	2A	3102	1/1	0.95	0.20	29,29,29,29	0
56	MG	2A	3104	1/1	0.95	0.06	25,25,25,25	0
56	MG	2A	3913	1/1	0.95	0.20	34,34,34,34	0
56	MG	1A	8747	1/1	0.95	0.08	27,27,27,27	0
56	MG	1A	8045	1/1	0.95	0.36	11,11,11,11	0
56	MG	1A	8002	1/1	0.95	0.13	21,21,21,21	0
56	MG	1A	8932	1/1	0.95	0.08	21,21,21,21	0
56	MG	2A	3919	1/1	0.95	0.05	32,32,32,32	0
56	MG	2A	3115	1/1	0.95	0.06	41,41,41,41	0
56	MG	2A	3358	1/1	0.95	0.08	27,27,27,27	0
56	MG	1A	8049	1/1	0.95	0.20	12,12,12,12	0
56	MG	1A	8755	1/1	0.95	0.24	16,16,16,16	0
56	MG	1A	8941	1/1	0.95	0.16	45,45,45,45	0
56	MG	1A	8756	1/1	0.95	0.14	14,14,14,14	0
56	MG	1A	8226	1/1	0.95	0.12	17,17,17,17	0
56	MG	1A	8391	1/1	0.95	0.07	6,6,6,6	0
56	MG	2A	3930	1/1	0.95	0.20	48,48,48,48	0
56	MG	1A	8951	1/1	0.95	0.10	20,20,20,20	0
56	MG	2A	3933	1/1	0.95	0.05	51,51,51,51	0
56	MG	1A	8952	1/1	0.95	0.20	17,17,17,17	0
56	MG	1a	1649	1/1	0.95	0.22	32,32,32,32	0
56	MG	2A	3938	1/1	0.95	0.13	38,38,38,38	0
56	MG	1A	8394	1/1	0.95	0.07	37,37,37,37	0
56	MG	2A	3132	1/1	0.95	0.12	32,32,32,32	0
56	MG	1a	1651	1/1	0.95	0.05	26,26,26,26	0
56	MG	2A	3948	1/1	0.95	0.24	42,42,42,42	0
56	MG	2A	3641	1/1	0.95	0.24	35,35,35,35	0
56	MG	2a	1748	1/1	0.95	0.09	50,50,50,50	0
56	MG	1A	8964	1/1	0.95	0.11	12,12,12,12	0
56	MG	2A	3952	1/1	0.95	0.07	36,36,36,36	0
56	MG	1a	1806	1/1	0.95	0.13	49,49,49,49	0
56	MG	2A	3647	1/1	0.95	0.05	28,28,28,28	0
56	MG	2a	1754	1/1	0.95	0.07	42,42,42,42	0
56	MG	1a	1653	1/1	0.95	0.13	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8622	1/1	0.95	0.07	26,26,26,26	0
56	MG	2A	3383	1/1	0.95	0.08	27,27,27,27	0
56	MG	1A	8506	1/1	0.95	0.14	30,30,30,30	0
56	MG	1a	1816	1/1	0.95	0.14	49,49,49,49	0
56	MG	2A	3145	1/1	0.95	0.09	32,32,32,32	0
56	MG	1A	8774	1/1	0.95	0.07	25,25,25,25	0
56	MG	1A	8625	1/1	0.95	0.13	39,39,39,39	0
56	MG	1A	8507	1/1	0.95	0.07	33,33,33,33	0
56	MG	1A	8271	1/1	0.95	0.13	21,21,21,21	0
56	MG	2A	3662	1/1	0.95	0.07	43,43,43,43	0
56	MG	2A	3663	1/1	0.95	0.07	61,61,61,61	0
56	MG	1A	8401	1/1	0.95	0.11	28,28,28,28	0
56	MG	2a	1770	1/1	0.95	0.15	52,52,52,52	0
56	MG	2A	3665	1/1	0.95	0.10	29,29,29,29	0
56	MG	1A	8402	1/1	0.95	0.07	29,29,29,29	0
56	MG	2A	3974	1/1	0.95	0.14	27,27,27,27	0
56	MG	2A	3399	1/1	0.95	0.06	46,46,46,46	0
56	MG	2A	3400	1/1	0.95	0.08	41,41,41,41	0
56	MG	1A	8511	1/1	0.95	0.15	32,32,32,32	0
56	MG	2A	3154	1/1	0.95	0.09	31,31,31,31	0
56	MG	2A	3981	1/1	0.95	0.34	41,41,41,41	0
56	MG	2A	3405	1/1	0.95	0.11	28,28,28,28	0
56	MG	2A	3155	1/1	0.95	0.05	24,24,24,24	0
56	MG	1a	1833	1/1	0.95	0.20	39,39,39,39	0
56	MG	2A	3676	1/1	0.95	0.08	31,31,31,31	0
56	MG	2A	3157	1/1	0.95	0.14	40,40,40,40	0
56	MG	2A	3158	1/1	0.95	0.23	40,40,40,40	0
56	MG	1A	8785	1/1	0.95	0.10	23,23,23,23	0
56	MG	1A	8407	1/1	0.95	0.09	20,20,20,20	0
56	MG	2A	3414	1/1	0.95	0.07	46,46,46,46	0
56	MG	2A	3161	1/1	0.95	0.12	33,33,33,33	0
56	MG	1B	3009	1/1	0.95	0.11	37,37,37,37	0
56	MG	2A	3164	1/1	0.95	0.08	29,29,29,29	0
56	MG	1A	8515	1/1	0.95	0.08	28,28,28,28	0
56	MG	1A	8272	1/1	0.95	0.08	27,27,27,27	0
56	MG	1B	3012	1/1	0.95	0.12	25,25,25,25	0
56	MG	2A	3170	1/1	0.95	0.16	39,39,39,39	0
56	MG	2A	3171	1/1	0.95	0.09	33,33,33,33	0
56	MG	1A	8793	1/1	0.95	0.09	27,27,27,27	0
56	MG	2B	3013	1/1	0.95	0.07	51,51,51,51	0
56	MG	1A	8227	1/1	0.95	0.21	14,14,14,14	0
56	MG	2A	3175	1/1	0.95	0.08	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3696	1/1	0.95	0.08	54,54,54,54	0
56	MG	2A	3697	1/1	0.95	0.18	35,35,35,35	0
56	MG	1A	8415	1/1	0.95	0.06	16,16,16,16	0
56	MG	2A	3430	1/1	0.95	0.10	30,30,30,30	0
56	MG	2a	1817	1/1	0.95	0.11	49,49,49,49	0
56	MG	1B	3018	1/1	0.95	0.07	41,41,41,41	0
56	MG	2A	3701	1/1	0.95	0.11	42,42,42,42	0
56	MG	2A	3178	1/1	0.95	0.08	31,31,31,31	0
56	MG	2A	3703	1/1	0.95	0.07	26,26,26,26	0
56	MG	1A	8033	1/1	0.95	0.09	27,27,27,27	0
56	MG	2A	3705	1/1	0.95	0.11	48,48,48,48	0
56	MG	2A	3435	1/1	0.95	0.07	33,33,33,33	0
56	MG	1A	8799	1/1	0.95	0.16	23,23,23,23	0
56	MG	1B	3024	1/1	0.95	0.06	18,18,18,18	0
56	MG	2g	3001	1/1	0.95	0.22	52,52,52,52	0
56	MG	2h	3001	1/1	0.95	0.12	30,30,30,30	0
56	MG	1A	8332	1/1	0.95	0.08	48,48,48,48	0
56	MG	1A	8230	1/1	0.95	0.17	13,13,13,13	0
56	MG	1A	8180	1/1	0.95	0.07	17,17,17,17	0
56	MG	1A	8279	1/1	0.95	0.06	30,30,30,30	0
56	MG	2A	3447	1/1	0.95	0.07	22,22,22,22	0
56	MG	1A	8653	1/1	0.95	0.13	47,47,47,47	0
56	MG	2A	3194	1/1	0.95	0.07	24,24,24,24	0
56	MG	1A	8530	1/1	0.95	0.10	27,27,27,27	0
56	MG	1A	8531	1/1	0.95	0.09	26,26,26,26	0
56	MG	1a	1687	1/1	0.95	0.17	39,39,39,39	0
56	MG	2A	3198	1/1	0.95	0.11	36,36,36,36	0
56	MG	1A	8076	1/1	0.95	0.26	22,22,22,22	0
56	MG	1E	303	1/1	0.95	0.08	11,11,11,11	0
56	MG	1E	304	1/1	0.95	0.04	27,27,27,27	0
56	MG	1A	8534	1/1	0.95	0.18	52,52,52,52	0
56	MG	1A	8427	1/1	0.95	0.07	7,7,7,7	0
56	MG	1a	1699	1/1	0.95	0.06	26,26,26,26	0
56	MG	1E	307	1/1	0.95	0.06	28,28,28,28	0
56	MG	1A	8428	1/1	0.95	0.11	14,14,14,14	0
56	MG	1F	303	1/1	0.95	0.24	19,19,19,19	0
56	MG	2A	3734	1/1	0.95	0.06	33,33,33,33	0
56	MG	2A	3735	1/1	0.95	0.09	46,46,46,46	0
56	MG	1A	8079	1/1	0.95	0.18	16,16,16,16	0
56	MG	1A	8661	1/1	0.96	0.07	7,7,7,7	0
56	MG	1A	8098	1/1	0.96	0.27	19,19,19,19	0
56	MG	1A	8429	1/1	0.96	0.05	12,12,12,12	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1R	201	1/1	0.96	0.06	18,18,18,18	0
56	MG	1a	1732	1/1	0.96	0.06	38,38,38,38	0
56	MG	2A	3770	1/1	0.96	0.06	40,40,40,40	0
56	MG	2A	3771	1/1	0.96	0.15	41,41,41,41	0
56	MG	2A	3044	1/1	0.96	0.17	39,39,39,39	0
56	MG	1A	8430	1/1	0.96	0.07	13,13,13,13	0
56	MG	1A	8132	1/1	0.96	0.12	19,19,19,19	0
56	MG	2A	3516	1/1	0.96	0.10	48,48,48,48	0
56	MG	1A	8855	1/1	0.96	0.07	29,29,29,29	0
56	MG	2A	3259	1/1	0.96	0.12	33,33,33,33	0
56	MG	1A	8044	1/1	0.96	0.11	7,7,7,7	0
56	MG	1U	202	1/1	0.96	0.10	17,17,17,17	0
56	MG	1A	8285	1/1	0.96	0.07	10,10,10,10	0
56	MG	1A	8541	1/1	0.96	0.06	31,31,31,31	0
56	MG	2A	3054	1/1	0.96	0.08	22,22,22,22	0
56	MG	2A	3056	1/1	0.96	0.08	29,29,29,29	0
56	MG	1A	8353	1/1	0.96	0.08	7,7,7,7	0
56	MG	1A	8232	1/1	0.96	0.06	34,34,34,34	0
56	MG	2A	3788	1/1	0.96	0.07	36,36,36,36	0
56	MG	2A	3270	1/1	0.96	0.04	20,20,20,20	0
56	MG	1A	8062	1/1	0.96	0.08	13,13,13,13	0
56	MG	2A	3791	1/1	0.96	0.06	52,52,52,52	0
56	MG	2A	3272	1/1	0.96	0.17	30,30,30,30	0
56	MG	1A	8548	1/1	0.96	0.05	27,27,27,27	0
56	MG	10	107	1/1	0.96	0.07	36,36,36,36	0
56	MG	1A	8679	1/1	0.96	0.19	34,34,34,34	0
56	MG	11	101	1/1	0.96	0.20	26,26,26,26	0
56	MG	2A	3534	1/1	0.96	0.08	35,35,35,35	0
56	MG	1A	8681	1/1	0.96	0.13	32,32,32,32	0
56	MG	2A	3278	1/1	0.96	0.08	30,30,30,30	0
56	MG	1A	8137	1/1	0.96	0.17	11,11,11,11	0
56	MG	2A	3801	1/1	0.96	0.09	41,41,41,41	0
56	MG	2a	1608	1/1	0.96	0.11	36,36,36,36	0
56	MG	1A	8684	1/1	0.96	0.10	35,35,35,35	0
56	MG	1A	8361	1/1	0.96	0.08	26,26,26,26	0
56	MG	15	105	1/1	0.96	0.19	12,12,12,12	0
56	MG	2A	3073	1/1	0.96	0.09	32,32,32,32	0
56	MG	2A	3284	1/1	0.96	0.08	41,41,41,41	0
56	MG	1A	8448	1/1	0.96	0.07	8,8,8,8	0
56	MG	2A	3812	1/1	0.96	0.06	22,22,22,22	0
56	MG	2A	3286	1/1	0.96	0.09	21,21,21,21	0
56	MG	1A	8294	1/1	0.96	0.05	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3288	1/1	0.96	0.11	25,25,25,25	0
56	MG	2A	3290	1/1	0.96	0.07	31,31,31,31	0
56	MG	15	108	1/1	0.96	0.18	28,28,28,28	0
56	MG	1A	8106	1/1	0.96	0.06	22,22,22,22	0
56	MG	2A	3293	1/1	0.96	0.14	24,24,24,24	0
56	MG	1A	8452	1/1	0.96	0.05	26,26,26,26	0
56	MG	2A	3080	1/1	0.96	0.13	31,31,31,31	0
56	MG	2A	3829	1/1	0.96	0.15	53,53,53,53	0
56	MG	1A	8456	1/1	0.96	0.12	25,25,25,25	0
56	MG	2A	3831	1/1	0.96	0.29	35,35,35,35	0
56	MG	1A	8558	1/1	0.96	0.06	42,42,42,42	0
56	MG	1A	8694	1/1	0.96	0.07	30,30,30,30	0
56	MG	2A	3834	1/1	0.96	0.12	55,55,55,55	0
56	MG	1A	8886	1/1	0.96	0.07	24,24,24,24	0
56	MG	2A	3558	1/1	0.96	0.24	32,32,32,32	0
56	MG	1A	8696	1/1	0.96	0.06	20,20,20,20	0
56	MG	2A	3560	1/1	0.96	0.25	43,43,43,43	0
56	MG	2A	3843	1/1	0.96	0.08	43,43,43,43	0
56	MG	1A	8296	1/1	0.96	0.07	21,21,21,21	0
56	MG	1A	8299	1/1	0.96	0.07	28,28,28,28	0
56	MG	2A	3305	1/1	0.96	0.07	41,41,41,41	0
56	MG	2A	3306	1/1	0.96	0.06	29,29,29,29	0
56	MG	2A	3307	1/1	0.96	0.12	43,43,43,43	0
56	MG	1A	8460	1/1	0.96	0.12	33,33,33,33	0
56	MG	1A	8893	1/1	0.96	0.05	21,21,21,21	0
56	MG	1A	8703	1/1	0.96	0.06	28,28,28,28	0
56	MG	1A	8569	1/1	0.96	0.06	16,16,16,16	0
56	MG	1A	8570	1/1	0.96	0.05	34,34,34,34	0
56	MG	1A	8707	1/1	0.96	0.08	45,45,45,45	0
56	MG	1A	8571	1/1	0.96	0.09	34,34,34,34	0
56	MG	1A	8300	1/1	0.96	0.07	23,23,23,23	0
56	MG	1A	8178	1/1	0.96	0.17	14,14,14,14	0
56	MG	1A	8575	1/1	0.96	0.07	14,14,14,14	0
56	MG	1a	1616	1/1	0.96	0.14	45,45,45,45	0
56	MG	1A	8004	1/1	0.96	0.07	18,18,18,18	0
56	MG	2A	3867	1/1	0.96	0.06	42,42,42,42	0
56	MG	1A	8373	1/1	0.96	0.07	13,13,13,13	0
56	MG	2A	3103	1/1	0.96	0.08	30,30,30,30	0
56	MG	1a	1782	1/1	0.96	0.07	38,38,38,38	0
56	MG	1A	8720	1/1	0.96	0.07	27,27,27,27	0
56	MG	2A	3107	1/1	0.96	0.14	34,34,34,34	0
56	MG	1A	8036	1/1	0.96	0.04	17,17,17,17	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1621	1/1	0.96	0.12	26,26,26,26	0
56	MG	2A	3113	1/1	0.96	0.06	29,29,29,29	0
56	MG	2A	3331	1/1	0.96	0.14	48,48,48,48	0
56	MG	2A	3592	1/1	0.96	0.06	42,42,42,42	0
56	MG	1A	8723	1/1	0.96	0.05	20,20,20,20	0
56	MG	2A	3337	1/1	0.96	0.07	28,28,28,28	0
56	MG	2A	3883	1/1	0.96	0.09	60,60,60,60	0
56	MG	1A	8469	1/1	0.96	0.10	29,29,29,29	0
56	MG	2A	3116	1/1	0.96	0.22	36,36,36,36	0
56	MG	1A	8916	1/1	0.96	0.09	75,75,75,75	0
56	MG	2a	1673	1/1	0.96	0.07	33,33,33,33	0
56	MG	2a	1674	1/1	0.96	0.06	37,37,37,37	0
56	MG	2A	3342	1/1	0.96	0.06	25,25,25,25	0
56	MG	1A	8726	1/1	0.96	0.16	17,17,17,17	0
56	MG	2A	3600	1/1	0.96	0.11	40,40,40,40	0
56	MG	2A	3601	1/1	0.96	0.16	44,44,44,44	0
56	MG	1a	1790	1/1	0.96	0.07	46,46,46,46	0
56	MG	2A	3120	1/1	0.96	0.13	28,28,28,28	0
56	MG	2A	3348	1/1	0.96	0.10	19,19,19,19	0
56	MG	1A	8582	1/1	0.96	0.06	15,15,15,15	0
56	MG	2A	3351	1/1	0.96	0.08	40,40,40,40	0
56	MG	1A	8728	1/1	0.96	0.10	24,24,24,24	0
56	MG	1A	8069	1/1	0.96	0.11	18,18,18,18	0
56	MG	2A	3360	1/1	0.96	0.10	33,33,33,33	0
56	MG	2A	3361	1/1	0.96	0.06	42,42,42,42	0
56	MG	1A	8377	1/1	0.96	0.09	20,20,20,20	0
56	MG	1A	8589	1/1	0.96	0.27	13,13,13,13	0
56	MG	1a	1633	1/1	0.96	0.12	27,27,27,27	0
56	MG	2A	3615	1/1	0.96	0.27	36,36,36,36	0
56	MG	2A	3130	1/1	0.96	0.06	27,27,27,27	0
56	MG	2a	1698	1/1	0.96	0.09	40,40,40,40	0
56	MG	1a	1634	1/1	0.96	0.13	22,22,22,22	0
56	MG	1A	8926	1/1	0.96	0.08	35,35,35,35	0
56	MG	1A	8927	1/1	0.96	0.11	8,8,8,8	0
56	MG	2A	3371	1/1	0.96	0.08	18,18,18,18	0
56	MG	2a	1703	1/1	0.96	0.07	47,47,47,47	0
56	MG	2A	3622	1/1	0.96	0.16	44,44,44,44	0
56	MG	2A	3136	1/1	0.96	0.13	34,34,34,34	0
56	MG	1A	8590	1/1	0.96	0.13	29,29,29,29	0
56	MG	1A	8111	1/1	0.96	0.12	12,12,12,12	0
56	MG	1a	1804	1/1	0.96	0.10	46,46,46,46	0
56	MG	1A	8115	1/1	0.96	0.10	13,13,13,13	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8938	1/1	0.96	0.10	12,12,12,12	0
56	MG	1A	8476	1/1	0.96	0.05	17,17,17,17	0
56	MG	1A	8248	1/1	0.96	0.11	17,17,17,17	0
56	MG	1a	1815	1/1	0.96	0.12	57,57,57,57	0
56	MG	1A	8596	1/1	0.96	0.05	17,17,17,17	0
56	MG	1A	8116	1/1	0.96	0.17	25,25,25,25	0
56	MG	2A	3928	1/1	0.96	0.14	31,31,31,31	0
56	MG	1A	8946	1/1	0.96	0.09	11,11,11,11	0
56	MG	2a	1721	1/1	0.96	0.18	47,47,47,47	0
56	MG	2A	3386	1/1	0.96	0.16	29,29,29,29	0
56	MG	2A	3645	1/1	0.96	0.15	29,29,29,29	0
56	MG	2A	3932	1/1	0.96	0.11	31,31,31,31	0
56	MG	1A	8382	1/1	0.96	0.06	8,8,8,8	0
56	MG	1A	8383	1/1	0.96	0.10	10,10,10,10	0
56	MG	2A	3936	1/1	0.96	0.12	20,20,20,20	0
56	MG	1A	8749	1/1	0.96	0.13	22,22,22,22	0
56	MG	1A	8483	1/1	0.96	0.09	30,30,30,30	0
56	MG	1A	8953	1/1	0.96	0.19	13,13,13,13	0
56	MG	2A	3940	1/1	0.96	0.22	8,8,8,8	0
56	MG	2A	3942	1/1	0.96	0.10	43,43,43,43	0
56	MG	2A	3943	1/1	0.96	0.08	40,40,40,40	0
56	MG	1a	1830	1/1	0.96	0.08	45,45,45,45	0
56	MG	1a	1831	1/1	0.96	0.14	14,14,14,14	0
56	MG	1A	8958	1/1	0.96	0.08	28,28,28,28	0
56	MG	1A	8038	1/1	0.96	0.11	40,40,40,40	0
56	MG	1A	8603	1/1	0.96	0.06	24,24,24,24	0
56	MG	1A	8965	1/1	0.96	0.15	14,14,14,14	0
56	MG	1A	8318	1/1	0.96	0.05	6,6,6,6	0
56	MG	1A	8968	1/1	0.96	0.06	34,34,34,34	0
56	MG	1A	8252	1/1	0.96	0.05	24,24,24,24	0
56	MG	2A	3956	1/1	0.96	0.33	35,35,35,35	0
56	MG	1A	8198	1/1	0.96	0.08	8,8,8,8	0
56	MG	2A	3409	1/1	0.96	0.20	31,31,31,31	0
56	MG	1A	8153	1/1	0.96	0.09	12,12,12,12	0
56	MG	2a	1750	1/1	0.96	0.07	67,67,67,67	0
56	MG	1A	8258	1/1	0.96	0.15	24,24,24,24	0
56	MG	1B	3002	1/1	0.96	0.11	33,33,33,33	0
56	MG	1A	8039	1/1	0.96	0.05	12,12,12,12	0
56	MG	2A	3173	1/1	0.96	0.14	37,37,37,37	0
56	MG	1d	505	1/1	0.96	0.05	56,56,56,56	0
56	MG	1A	8392	1/1	0.96	0.14	37,37,37,37	0
56	MG	1A	8052	1/1	0.96	0.13	12,12,12,12	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8395	1/1	0.96	0.06	34,34,34,34	0
56	MG	1A	8619	1/1	0.96	0.18	20,20,20,20	0
56	MG	1A	8500	1/1	0.96	0.07	45,45,45,45	0
56	MG	2a	1762	1/1	0.96	0.07	58,58,58,58	0
56	MG	1A	8156	1/1	0.96	0.18	25,25,25,25	0
56	MG	2A	3423	1/1	0.96	0.08	37,37,37,37	0
56	MG	1A	8400	1/1	0.96	0.07	42,42,42,42	0
56	MG	1a	1672	1/1	0.96	0.07	38,38,38,38	0
56	MG	1A	8020	1/1	0.96	0.16	8,8,8,8	0
56	MG	1a	1675	1/1	0.96	0.06	19,19,19,19	0
56	MG	2A	3186	1/1	0.96	0.18	39,39,39,39	0
56	MG	2A	3190	1/1	0.96	0.24	32,32,32,32	0
56	MG	2A	3432	1/1	0.96	0.07	45,45,45,45	0
56	MG	1A	8208	1/1	0.96	0.15	11,11,11,11	0
56	MG	1A	8265	1/1	0.96	0.20	18,18,18,18	0
56	MG	1A	8408	1/1	0.96	0.07	19,19,19,19	0
56	MG	1t	3001	1/1	0.96	0.11	37,37,37,37	0
56	MG	2A	3437	1/1	0.96	0.07	59,59,59,59	0
56	MG	1A	8084	1/1	0.96	0.06	23,23,23,23	0
56	MG	1x	3003	1/1	0.96	0.21	31,31,31,31	0
56	MG	2a	1782	1/1	0.96	0.20	61,61,61,61	0
56	MG	1A	8791	1/1	0.96	0.05	39,39,39,39	0
56	MG	1A	8411	1/1	0.96	0.11	12,12,12,12	0
56	MG	1A	8634	1/1	0.96	0.13	39,39,39,39	0
56	MG	1B	3022	1/1	0.96	0.08	41,41,41,41	0
56	MG	1A	8512	1/1	0.96	0.06	28,28,28,28	0
56	MG	2A	3451	1/1	0.96	0.09	46,46,46,46	0
56	MG	2A	3452	1/1	0.96	0.08	34,34,34,34	0
56	MG	2A	3453	1/1	0.96	0.09	44,44,44,44	0
56	MG	1A	8639	1/1	0.96	0.07	24,24,24,24	0
56	MG	2A	3458	1/1	0.96	0.06	37,37,37,37	0
56	MG	2a	1797	1/1	0.96	0.09	47,47,47,47	0
56	MG	1x	3010	1/1	0.96	0.24	34,34,34,34	0
56	MG	1A	8640	1/1	0.96	0.04	40,40,40,40	0
56	MG	1A	8412	1/1	0.96	0.07	6,6,6,6	0
56	MG	1a	1690	1/1	0.96	0.11	36,36,36,36	0
56	MG	2A	3464	1/1	0.96	0.14	40,40,40,40	0
56	MG	2B	3019	1/1	0.96	0.06	62,62,62,62	0
56	MG	1x	3014	1/1	0.96	0.18	29,29,29,29	0
56	MG	1A	8056	1/1	0.96	0.05	12,12,12,12	0
56	MG	1a	1693	1/1	0.96	0.05	29,29,29,29	0
56	MG	2A	3470	1/1	0.96	0.10	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3212	1/1	0.96	0.14	27,27,27,27	0
56	MG	1A	8213	1/1	0.96	0.06	14,14,14,14	0
56	MG	2A	3216	1/1	0.96	0.18	28,28,28,28	0
56	MG	1A	8645	1/1	0.96	0.06	11,11,11,11	0
56	MG	2A	3476	1/1	0.96	0.16	34,34,34,34	0
56	MG	1D	311	1/1	0.96	0.07	31,31,31,31	0
56	MG	1A	8214	1/1	0.96	0.24	10,10,10,10	0
56	MG	1D	313	1/1	0.96	0.09	33,33,33,33	0
56	MG	1A	8647	1/1	0.96	0.23	14,14,14,14	0
56	MG	1A	8809	1/1	0.96	0.07	21,21,21,21	0
56	MG	2D	315	1/1	0.96	0.04	24,24,24,24	0
56	MG	2d	503	1/1	0.96	0.06	54,54,54,54	0
56	MG	1A	8014	1/1	0.96	0.07	5,5,5,5	0
56	MG	1A	8521	1/1	0.96	0.08	12,12,12,12	0
56	MG	1A	8161	1/1	0.96	0.23	10,10,10,10	0
56	MG	1A	8819	1/1	0.96	0.19	20,20,20,20	0
56	MG	1A	8421	1/1	0.96	0.06	26,26,26,26	0
56	MG	1F	302	1/1	0.96	0.11	16,16,16,16	0
56	MG	1a	1711	1/1	0.96	0.06	45,45,45,45	0
56	MG	1A	8524	1/1	0.96	0.09	31,31,31,31	0
56	MG	2F	303	1/1	0.96	0.07	29,29,29,29	0
56	MG	1A	8089	1/1	0.96	0.08	20,20,20,20	0
56	MG	2A	3028	1/1	0.96	0.18	34,34,34,34	0
56	MG	1A	8832	1/1	0.96	0.21	12,12,12,12	0
56	MG	2F	307	1/1	0.96	0.27	37,37,37,37	0
56	MG	1a	1717	1/1	0.96	0.15	32,32,32,32	0
56	MG	2A	3238	1/1	0.96	0.08	24,24,24,24	0
56	MG	2A	3031	1/1	0.96	0.20	27,27,27,27	0
56	MG	2A	3748	1/1	0.96	0.11	47,47,47,47	0
56	MG	2A	3497	1/1	0.96	0.09	28,28,28,28	0
56	MG	1A	8224	1/1	0.96	0.12	15,15,15,15	0
56	MG	1A	8059	1/1	0.96	0.06	7,7,7,7	0
56	MG	2A	3753	1/1	0.96	0.19	27,27,27,27	0
56	MG	1A	8528	1/1	0.96	0.10	18,18,18,18	0
56	MG	2A	3501	1/1	0.96	0.08	41,41,41,41	0
56	MG	2P	202	1/1	0.96	0.27	37,37,37,37	0
56	MG	1A	8005	1/1	0.96	0.06	20,20,20,20	0
56	MG	1A	8660	1/1	0.96	0.05	16,16,16,16	0
56	MG	2x	112	1/1	0.96	0.21	39,39,39,39	0
56	MG	1A	8843	1/1	0.96	0.08	33,33,33,33	0
56	MG	1A	8846	1/1	0.96	0.14	37,37,37,37	0
56	MG	2A	3506	1/1	0.96	0.05	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8783	1/1	0.97	0.05	15,15,15,15	0
56	MG	2A	3750	1/1	0.97	0.05	24,24,24,24	0
56	MG	1A	8176	1/1	0.97	0.07	28,28,28,28	0
56	MG	2N	203	1/1	0.97	0.12	49,49,49,49	0
56	MG	1A	8633	1/1	0.97	0.08	10,10,10,10	0
56	MG	1a	1674	1/1	0.97	0.14	40,40,40,40	0
56	MG	1A	8786	1/1	0.97	0.06	15,15,15,15	0
56	MG	1A	8037	1/1	0.97	0.04	14,14,14,14	0
56	MG	2Q	202	1/1	0.97	0.06	23,23,23,23	0
56	MG	1A	8019	1/1	0.97	0.22	12,12,12,12	0
56	MG	1A	8179	1/1	0.97	0.28	16,16,16,16	0
56	MG	1A	8790	1/1	0.97	0.10	20,20,20,20	0
56	MG	2A	3005	1/1	0.97	0.07	32,32,32,32	0
56	MG	2A	3228	1/1	0.97	0.23	34,34,34,34	0
56	MG	1B	3015	1/1	0.97	0.13	18,18,18,18	0
56	MG	1A	8518	1/1	0.97	0.08	35,35,35,35	0
56	MG	2A	3765	1/1	0.97	0.07	48,48,48,48	0
56	MG	2A	3231	1/1	0.97	0.22	32,32,32,32	0
56	MG	2A	3494	1/1	0.97	0.08	30,30,30,30	0
56	MG	2A	3008	1/1	0.97	0.07	27,27,27,27	0
56	MG	1A	8247	1/1	0.97	0.07	25,25,25,25	0
56	MG	1A	8520	1/1	0.97	0.07	9,9,9,9	0
56	MG	2A	3011	1/1	0.97	0.08	29,29,29,29	0
56	MG	1B	3019	1/1	0.97	0.05	23,23,23,23	0
56	MG	2X	102	1/1	0.97	0.07	40,40,40,40	0
56	MG	1A	8097	1/1	0.97	0.08	18,18,18,18	0
56	MG	1A	8797	1/1	0.97	0.04	20,20,20,20	0
56	MG	2A	3015	1/1	0.97	0.08	18,18,18,18	0
56	MG	1a	1688	1/1	0.97	0.09	43,43,43,43	0
56	MG	1A	8326	1/1	0.97	0.11	20,20,20,20	0
56	MG	1A	8418	1/1	0.97	0.08	22,22,22,22	0
56	MG	2A	3019	1/1	0.97	0.14	33,33,33,33	0
56	MG	1a	1691	1/1	0.97	0.07	30,30,30,30	0
56	MG	1B	3025	1/1	0.97	0.10	26,26,26,26	0
56	MG	1A	8249	1/1	0.97	0.09	36,36,36,36	0
56	MG	2A	3247	1/1	0.97	0.14	25,25,25,25	0
56	MG	1A	8181	1/1	0.97	0.05	18,18,18,18	0
56	MG	1A	8066	1/1	0.97	0.08	25,25,25,25	0
56	MG	2A	3026	1/1	0.97	0.15	28,28,28,28	0
56	MG	2A	3027	1/1	0.97	0.04	31,31,31,31	0
56	MG	1a	1697	1/1	0.97	0.05	38,38,38,38	0
56	MG	2A	3253	1/1	0.97	0.10	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8330	1/1	0.97	0.07	13,13,13,13	0
56	MG	1A	8100	1/1	0.97	0.10	28,28,28,28	0
56	MG	2A	3256	1/1	0.97	0.13	33,33,33,33	0
56	MG	1A	8529	1/1	0.97	0.13	21,21,21,21	0
56	MG	1D	310	1/1	0.97	0.09	12,12,12,12	0
56	MG	1A	8184	1/1	0.97	0.10	17,17,17,17	0
56	MG	2A	3260	1/1	0.97	0.05	26,26,26,26	0
56	MG	1A	8812	1/1	0.97	0.11	31,31,31,31	0
56	MG	1A	8101	1/1	0.97	0.21	11,11,11,11	0
56	MG	1A	8188	1/1	0.97	0.28	16,16,16,16	0
56	MG	1E	302	1/1	0.97	0.07	9,9,9,9	0
56	MG	1A	8259	1/1	0.97	0.08	28,28,28,28	0
56	MG	2A	3266	1/1	0.97	0.08	25,25,25,25	0
56	MG	2A	3807	1/1	0.97	0.06	29,29,29,29	0
56	MG	1A	8431	1/1	0.97	0.05	17,17,17,17	0
56	MG	1A	8820	1/1	0.97	0.07	24,24,24,24	0
56	MG	1A	8537	1/1	0.97	0.03	21,21,21,21	0
56	MG	1A	8337	1/1	0.97	0.11	34,34,34,34	0
56	MG	1A	8434	1/1	0.97	0.09	16,16,16,16	0
56	MG	1A	8540	1/1	0.97	0.05	21,21,21,21	0
56	MG	1A	8189	1/1	0.97	0.20	11,11,11,11	0
56	MG	2A	3046	1/1	0.97	0.13	26,26,26,26	0
56	MG	1F	306	1/1	0.97	0.08	7,7,7,7	0
56	MG	1A	8834	1/1	0.97	0.05	18,18,18,18	0
56	MG	1A	8191	1/1	0.97	0.13	17,17,17,17	0
56	MG	1a	1723	1/1	0.97	0.05	40,40,40,40	0
56	MG	1A	8192	1/1	0.97	0.14	22,22,22,22	0
56	MG	1G	3003	1/1	0.97	0.15	31,31,31,31	0
56	MG	1A	8668	1/1	0.97	0.13	32,32,32,32	0
56	MG	2A	3055	1/1	0.97	0.36	32,32,32,32	0
56	MG	1A	8544	1/1	0.97	0.12	27,27,27,27	0
56	MG	1A	8841	1/1	0.97	0.08	34,34,34,34	0
56	MG	1A	8441	1/1	0.97	0.05	16,16,16,16	0
56	MG	2A	3059	1/1	0.97	0.05	21,21,21,21	0
56	MG	2A	3060	1/1	0.97	0.05	51,51,51,51	0
56	MG	1A	8546	1/1	0.97	0.05	21,21,21,21	0
56	MG	2A	3841	1/1	0.97	0.07	40,40,40,40	0
56	MG	1A	8547	1/1	0.97	0.12	21,21,21,21	0
56	MG	1P	202	1/1	0.97	0.06	39,39,39,39	0
56	MG	1A	8343	1/1	0.97	0.06	12,12,12,12	0
56	MG	1A	8067	1/1	0.97	0.06	10,10,10,10	0
56	MG	1Q	202	1/1	0.97	0.12	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1Q	203	1/1	0.97	0.05	19,19,19,19	0
56	MG	1Q	204	1/1	0.97	0.05	20,20,20,20	0
56	MG	2A	3851	1/1	0.97	0.07	37,37,37,37	0
56	MG	1A	8851	1/1	0.97	0.08	33,33,33,33	0
56	MG	2A	3071	1/1	0.97	0.18	25,25,25,25	0
56	MG	2A	3855	1/1	0.97	0.05	32,32,32,32	0
56	MG	1Q	206	1/1	0.97	0.04	17,17,17,17	0
56	MG	1A	8676	1/1	0.97	0.09	26,26,26,26	0
56	MG	1R	203	1/1	0.97	0.04	16,16,16,16	0
56	MG	1A	8677	1/1	0.97	0.06	24,24,24,24	0
56	MG	1A	8444	1/1	0.97	0.07	12,12,12,12	0
56	MG	1a	1745	1/1	0.97	0.06	41,41,41,41	0
56	MG	1A	8857	1/1	0.97	0.14	44,44,44,44	0
56	MG	2a	1658	1/1	0.97	0.06	63,63,63,63	0
56	MG	1A	8680	1/1	0.97	0.05	19,19,19,19	0
56	MG	1A	8068	1/1	0.97	0.10	16,16,16,16	0
56	MG	2A	3573	1/1	0.97	0.09	41,41,41,41	0
56	MG	1A	8141	1/1	0.97	0.11	22,22,22,22	0
56	MG	2A	3083	1/1	0.97	0.11	25,25,25,25	0
56	MG	1V	202	1/1	0.97	0.14	26,26,26,26	0
56	MG	2a	1665	1/1	0.97	0.08	53,53,53,53	0
56	MG	1A	8266	1/1	0.97	0.05	13,13,13,13	0
56	MG	1a	1752	1/1	0.97	0.05	45,45,45,45	0
56	MG	1W	3001	1/1	0.97	0.09	21,21,21,21	0
56	MG	1W	3002	1/1	0.97	0.13	28,28,28,28	0
56	MG	1W	3003	1/1	0.97	0.10	12,12,12,12	0
56	MG	2A	3877	1/1	0.97	0.08	20,20,20,20	0
56	MG	1A	8267	1/1	0.97	0.06	15,15,15,15	0
56	MG	10	102	1/1	0.97	0.09	19,19,19,19	0
56	MG	1A	8028	1/1	0.97	0.07	11,11,11,11	0
56	MG	1A	8557	1/1	0.97	0.20	16,16,16,16	0
56	MG	2A	3882	1/1	0.97	0.05	46,46,46,46	0
56	MG	1a	1760	1/1	0.97	0.05	56,56,56,56	0
56	MG	2a	1678	1/1	0.97	0.09	37,37,37,37	0
56	MG	2A	3589	1/1	0.97	0.30	30,30,30,30	0
56	MG	10	105	1/1	0.97	0.05	27,27,27,27	0
56	MG	1A	8867	1/1	0.97	0.08	55,55,55,55	0
56	MG	2A	3887	1/1	0.97	0.05	41,41,41,41	0
56	MG	1a	1763	1/1	0.97	0.06	55,55,55,55	0
56	MG	1A	8199	1/1	0.97	0.12	14,14,14,14	0
56	MG	1A	8453	1/1	0.97	0.05	24,24,24,24	0
56	MG	2a	1688	1/1	0.97	0.12	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8561	1/1	0.97	0.17	17,17,17,17	0
56	MG	1a	1767	1/1	0.97	0.16	55,55,55,55	0
56	MG	2a	1691	1/1	0.97	0.07	52,52,52,52	0
56	MG	2A	3333	1/1	0.97	0.06	39,39,39,39	0
56	MG	2A	3336	1/1	0.97	0.06	44,44,44,44	0
56	MG	1A	8874	1/1	0.97	0.04	9,9,9,9	0
56	MG	13	101	1/1	0.97	0.06	17,17,17,17	0
56	MG	1A	8563	1/1	0.97	0.13	11,11,11,11	0
56	MG	2A	3340	1/1	0.97	0.06	32,32,32,32	0
56	MG	2A	3106	1/1	0.97	0.10	31,31,31,31	0
56	MG	1A	8143	1/1	0.97	0.13	20,20,20,20	0
56	MG	2A	3109	1/1	0.97	0.16	41,41,41,41	0
56	MG	1A	8695	1/1	0.97	0.05	11,11,11,11	0
56	MG	2A	3906	1/1	0.97	0.07	39,39,39,39	0
56	MG	1A	8071	1/1	0.97	0.13	10,10,10,10	0
56	MG	2A	3347	1/1	0.97	0.06	34,34,34,34	0
56	MG	1A	8073	1/1	0.97	0.15	17,17,17,17	0
56	MG	2a	1706	1/1	0.97	0.06	55,55,55,55	0
56	MG	1A	8699	1/1	0.97	0.05	17,17,17,17	0
56	MG	2a	1709	1/1	0.97	0.06	33,33,33,33	0
56	MG	1A	8074	1/1	0.97	0.13	18,18,18,18	0
56	MG	2A	3353	1/1	0.97	0.07	27,27,27,27	0
56	MG	2A	3355	1/1	0.97	0.04	20,20,20,20	0
56	MG	17	101	1/1	0.97	0.07	21,21,21,21	0
56	MG	17	102	1/1	0.97	0.06	34,34,34,34	0
56	MG	1A	8461	1/1	0.97	0.05	10,10,10,10	0
56	MG	1A	8275	1/1	0.97	0.18	10,10,10,10	0
56	MG	1A	8010	1/1	0.97	0.11	7,7,7,7	0
56	MG	2A	3363	1/1	0.97	0.07	26,26,26,26	0
56	MG	1A	8365	1/1	0.97	0.13	24,24,24,24	0
56	MG	1A	8207	1/1	0.97	0.07	11,11,11,11	0
56	MG	1A	8708	1/1	0.97	0.06	17,17,17,17	0
56	MG	2A	3625	1/1	0.97	0.10	51,51,51,51	0
56	MG	1A	8891	1/1	0.97	0.08	15,15,15,15	0
56	MG	1A	8112	1/1	0.97	0.17	13,13,13,13	0
56	MG	2A	3126	1/1	0.97	0.07	32,32,32,32	0
56	MG	2A	3630	1/1	0.97	0.15	57,57,57,57	0
56	MG	2A	3127	1/1	0.97	0.11	27,27,27,27	0
56	MG	1A	8712	1/1	0.97	0.09	24,24,24,24	0
56	MG	2A	3635	1/1	0.97	0.08	36,36,36,36	0
56	MG	2A	3129	1/1	0.97	0.07	28,28,28,28	0
56	MG	1A	8896	1/1	0.97	0.08	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3935	1/1	0.97	0.11	68,68,68,68	0
56	MG	2A	3638	1/1	0.97	0.06	32,32,32,32	0
56	MG	1A	8280	1/1	0.97	0.06	18,18,18,18	0
56	MG	1A	8209	1/1	0.97	0.07	15,15,15,15	0
56	MG	1A	8113	1/1	0.97	0.05	16,16,16,16	0
56	MG	2A	3134	1/1	0.97	0.05	24,24,24,24	0
56	MG	2A	3135	1/1	0.97	0.04	24,24,24,24	0
56	MG	2A	3380	1/1	0.97	0.07	25,25,25,25	0
56	MG	1A	8472	1/1	0.97	0.07	11,11,11,11	0
56	MG	1A	8114	1/1	0.97	0.22	20,20,20,20	0
56	MG	2A	3947	1/1	0.97	0.21	24,24,24,24	0
56	MG	1A	8586	1/1	0.97	0.11	27,27,27,27	0
56	MG	2A	3949	1/1	0.97	0.17	26,26,26,26	0
56	MG	2A	3651	1/1	0.97	0.13	35,35,35,35	0
56	MG	1A	8721	1/1	0.97	0.15	11,11,11,11	0
56	MG	2A	3141	1/1	0.97	0.07	27,27,27,27	0
56	MG	1A	8587	1/1	0.97	0.08	21,21,21,21	0
56	MG	1A	8041	1/1	0.97	0.13	24,24,24,24	0
56	MG	1A	8475	1/1	0.97	0.06	28,28,28,28	0
56	MG	1A	8910	1/1	0.97	0.11	19,19,19,19	0
56	MG	1A	8057	1/1	0.97	0.05	12,12,12,12	0
56	MG	2a	1756	1/1	0.97	0.12	38,38,38,38	0
56	MG	1a	1802	1/1	0.97	0.14	30,30,30,30	0
56	MG	2A	3395	1/1	0.97	0.12	38,38,38,38	0
56	MG	2A	3397	1/1	0.97	0.07	21,21,21,21	0
56	MG	1A	8219	1/1	0.97	0.14	12,12,12,12	0
56	MG	1A	8080	1/1	0.97	0.16	18,18,18,18	0
56	MG	1a	1805	1/1	0.97	0.05	55,55,55,55	0
56	MG	1A	8081	1/1	0.97	0.10	16,16,16,16	0
56	MG	1a	1622	1/1	0.97	0.07	32,32,32,32	0
56	MG	2A	3669	1/1	0.97	0.05	34,34,34,34	0
56	MG	2A	3403	1/1	0.97	0.05	40,40,40,40	0
56	MG	1A	8031	1/1	0.97	0.09	12,12,12,12	0
56	MG	1A	8083	1/1	0.97	0.10	15,15,15,15	0
56	MG	1a	1813	1/1	0.97	0.07	49,49,49,49	0
56	MG	2A	3973	1/1	0.97	0.05	35,35,35,35	0
56	MG	1a	1814	1/1	0.97	0.11	40,40,40,40	0
56	MG	2A	3975	1/1	0.97	0.10	22,22,22,22	0
56	MG	1A	8919	1/1	0.97	0.07	11,11,11,11	0
56	MG	2A	3410	1/1	0.97	0.05	45,45,45,45	0
56	MG	2a	1776	1/1	0.97	0.06	51,51,51,51	0
56	MG	1A	8225	1/1	0.97	0.14	10,10,10,10	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3979	1/1	0.97	0.13	57,57,57,57	0
56	MG	1A	8298	1/1	0.97	0.04	12,12,12,12	0
56	MG	1a	1818	1/1	0.97	0.09	41,41,41,41	0
56	MG	1a	1820	1/1	0.97	0.05	51,51,51,51	0
56	MG	1A	8600	1/1	0.97	0.07	26,26,26,26	0
56	MG	1A	8737	1/1	0.97	0.06	24,24,24,24	0
56	MG	1A	8022	1/1	0.97	0.17	12,12,12,12	0
56	MG	2A	3168	1/1	0.97	0.05	24,24,24,24	0
56	MG	1a	1826	1/1	0.97	0.10	65,65,65,65	0
56	MG	1A	8165	1/1	0.97	0.06	10,10,10,10	0
56	MG	2a	1790	1/1	0.97	0.07	51,51,51,51	0
56	MG	1A	8167	1/1	0.97	0.24	17,17,17,17	0
56	MG	1A	8304	1/1	0.97	0.04	17,17,17,17	0
56	MG	1A	8744	1/1	0.97	0.06	17,17,17,17	0
56	MG	1A	8388	1/1	0.97	0.06	11,11,11,11	0
56	MG	1A	8933	1/1	0.97	0.11	20,20,20,20	0
56	MG	2A	3426	1/1	0.97	0.05	55,55,55,55	0
56	MG	1A	8934	1/1	0.97	0.05	48,48,48,48	0
56	MG	1A	8746	1/1	0.97	0.11	22,22,22,22	0
56	MG	2A	3429	1/1	0.97	0.06	37,37,37,37	0
56	MG	2a	1802	1/1	0.97	0.08	60,60,60,60	0
56	MG	1A	8493	1/1	0.97	0.07	16,16,16,16	0
56	MG	1a	1641	1/1	0.97	0.14	33,33,33,33	0
56	MG	1A	8748	1/1	0.97	0.11	18,18,18,18	0
56	MG	1A	8609	1/1	0.97	0.07	18,18,18,18	0
56	MG	1A	8942	1/1	0.97	0.04	11,11,11,11	0
56	MG	1A	8229	1/1	0.97	0.07	21,21,21,21	0
56	MG	2a	1811	1/1	0.97	0.05	59,59,59,59	0
56	MG	1A	8945	1/1	0.97	0.06	8,8,8,8	0
56	MG	1A	8306	1/1	0.97	0.06	14,14,14,14	0
56	MG	2A	3187	1/1	0.97	0.12	42,42,42,42	0
56	MG	2A	3441	1/1	0.97	0.06	38,38,38,38	0
56	MG	2A	3188	1/1	0.97	0.25	33,33,33,33	0
56	MG	2B	3022	1/1	0.97	0.07	59,59,59,59	0
56	MG	2A	3189	1/1	0.97	0.08	32,32,32,32	0
56	MG	1a	1648	1/1	0.97	0.20	38,38,38,38	0
56	MG	1A	8008	1/1	0.97	0.18	23,23,23,23	0
56	MG	1A	8025	1/1	0.97	0.29	23,23,23,23	0
56	MG	2A	3193	1/1	0.97	0.07	27,27,27,27	0
56	MG	2A	3450	1/1	0.97	0.10	27,27,27,27	0
56	MG	2D	304	1/1	0.97	0.12	41,41,41,41	0
56	MG	1A	8502	1/1	0.97	0.19	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8393	1/1	0.97	0.17	20,20,20,20	0
56	MG	2D	308	1/1	0.97	0.06	33,33,33,33	0
56	MG	1A	8311	1/1	0.97	0.04	11,11,11,11	0
56	MG	2D	310	1/1	0.97	0.13	37,37,37,37	0
56	MG	2A	3456	1/1	0.97	0.05	23,23,23,23	0
56	MG	1A	8957	1/1	0.97	0.09	26,26,26,26	0
56	MG	1A	8762	1/1	0.97	0.05	34,34,34,34	0
56	MG	1A	8006	1/1	0.97	0.10	14,14,14,14	0
56	MG	1A	8963	1/1	0.97	0.19	14,14,14,14	0
56	MG	1A	8764	1/1	0.97	0.05	27,27,27,27	0
56	MG	1A	8125	1/1	0.97	0.11	30,30,30,30	0
56	MG	2E	302	1/1	0.97	0.06	26,26,26,26	0
56	MG	1A	8767	1/1	0.97	0.08	33,33,33,33	0
56	MG	1A	8126	1/1	0.97	0.18	12,12,12,12	0
56	MG	2A	3466	1/1	0.97	0.06	46,46,46,46	0
56	MG	2A	3467	1/1	0.97	0.11	52,52,52,52	0
56	MG	1A	8769	1/1	0.97	0.09	20,20,20,20	0
56	MG	1A	8971	1/1	0.97	0.14	9,9,9,9	0
56	MG	1A	8773	1/1	0.97	0.07	29,29,29,29	0
56	MG	1A	8235	1/1	0.97	0.20	9,9,9,9	0
56	MG	1A	8626	1/1	0.97	0.05	22,22,22,22	0
56	MG	2A	3210	1/1	0.97	0.09	34,34,34,34	0
56	MG	1A	8173	1/1	0.97	0.17	15,15,15,15	0
56	MG	1A	8090	1/1	0.97	0.10	36,36,36,36	0
56	MG	1A	8091	1/1	0.97	0.17	16,16,16,16	0
56	MG	2A	3746	1/1	0.97	0.13	27,27,27,27	0
57	ZN	1n	102	1/1	0.97	0.04	55,55,55,55	0
57	ZN	2Y	202	1/1	0.97	0.04	66,66,66,66	0
57	ZN	24	501	1/1	0.97	0.13	99,99,99,99	0
58	SF4	2d	501	8/8	0.97	0.05	47,53,59,65	0
56	MG	2A	3215	1/1	0.97	0.05	26,26,26,26	0
56	MG	1A	8513	1/1	0.97	0.07	27,27,27,27	0
56	MG	1A	8875	1/1	0.98	0.15	10,10,10,10	0
56	MG	1A	8358	1/1	0.98	0.05	7,7,7,7	0
56	MG	1A	8877	1/1	0.98	0.05	38,38,38,38	0
56	MG	2A	3859	1/1	0.98	0.10	41,41,41,41	0
56	MG	1A	8611	1/1	0.98	0.06	17,17,17,17	0
56	MG	2A	3861	1/1	0.98	0.05	50,50,50,50	0
56	MG	2A	3214	1/1	0.98	0.05	32,32,32,32	0
56	MG	2A	3621	1/1	0.98	0.10	44,44,44,44	0
56	MG	1A	8724	1/1	0.98	0.13	17,17,17,17	0
56	MG	1A	8359	1/1	0.98	0.05	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1R	202	1/1	0.98	0.06	26,26,26,26	0
56	MG	1A	8613	1/1	0.98	0.07	36,36,36,36	0
56	MG	2A	3626	1/1	0.98	0.06	60,60,60,60	0
56	MG	1A	8240	1/1	0.98	0.15	13,13,13,13	0
56	MG	1A	8134	1/1	0.98	0.04	12,12,12,12	0
56	MG	1A	8164	1/1	0.98	0.05	31,31,31,31	0
56	MG	1A	8363	1/1	0.98	0.09	15,15,15,15	0
56	MG	2A	3631	1/1	0.98	0.05	48,48,48,48	0
56	MG	1A	8439	1/1	0.98	0.07	6,6,6,6	0
56	MG	2A	3875	1/1	0.98	0.06	23,23,23,23	0
56	MG	1A	8733	1/1	0.98	0.08	54,54,54,54	0
56	MG	2A	3634	1/1	0.98	0.05	43,43,43,43	0
56	MG	2A	3225	1/1	0.98	0.09	42,42,42,42	0
56	MG	1A	8620	1/1	0.98	0.11	25,25,25,25	0
56	MG	1A	8297	1/1	0.98	0.07	13,13,13,13	0
56	MG	1A	8243	1/1	0.98	0.10	17,17,17,17	0
56	MG	2A	3047	1/1	0.98	0.07	18,18,18,18	0
56	MG	1A	8024	1/1	0.98	0.24	8,8,8,8	0
56	MG	1A	8738	1/1	0.98	0.07	38,38,38,38	0
56	MG	2A	3642	1/1	0.98	0.05	37,37,37,37	0
56	MG	1A	8894	1/1	0.98	0.07	8,8,8,8	0
56	MG	2a	1639	1/1	0.98	0.05	27,27,27,27	0
56	MG	2A	3644	1/1	0.98	0.05	40,40,40,40	0
56	MG	1A	8245	1/1	0.98	0.10	8,8,8,8	0
56	MG	1A	8740	1/1	0.98	0.06	27,27,27,27	0
56	MG	1A	8136	1/1	0.98	0.06	10,10,10,10	0
56	MG	1A	8446	1/1	0.98	0.04	26,26,26,26	0
56	MG	2A	3649	1/1	0.98	0.07	42,42,42,42	0
56	MG	1A	8303	1/1	0.98	0.04	11,11,11,11	0
56	MG	2A	3894	1/1	0.98	0.08	36,36,36,36	0
56	MG	1A	8053	1/1	0.98	0.06	11,11,11,11	0
56	MG	2A	3439	1/1	0.98	0.05	25,25,25,25	0
56	MG	2A	3898	1/1	0.98	0.05	46,46,46,46	0
56	MG	1A	8630	1/1	0.98	0.14	36,36,36,36	0
56	MG	1A	8203	1/1	0.98	0.04	15,15,15,15	0
56	MG	2A	3656	1/1	0.98	0.19	24,24,24,24	0
56	MG	1A	8533	1/1	0.98	0.12	28,28,28,28	0
56	MG	1A	8906	1/1	0.98	0.07	13,13,13,13	0
56	MG	1A	8450	1/1	0.98	0.05	14,14,14,14	0
56	MG	1A	8908	1/1	0.98	0.16	9,9,9,9	0
56	MG	1A	8017	1/1	0.98	0.10	13,13,13,13	0
56	MG	2A	3449	1/1	0.98	0.06	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	15	104	1/1	0.98	0.17	16,16,16,16	0
56	MG	1A	8635	1/1	0.98	0.12	34,34,34,34	0
56	MG	1A	8752	1/1	0.98	0.06	12,12,12,12	0
56	MG	2A	3067	1/1	0.98	0.08	20,20,20,20	0
56	MG	2A	3454	1/1	0.98	0.04	28,28,28,28	0
56	MG	2A	3455	1/1	0.98	0.04	40,40,40,40	0
56	MG	1A	8912	1/1	0.98	0.07	15,15,15,15	0
56	MG	1A	8055	1/1	0.98	0.20	10,10,10,10	0
56	MG	1A	8637	1/1	0.98	0.04	11,11,11,11	0
56	MG	1A	8638	1/1	0.98	0.06	18,18,18,18	0
56	MG	1A	8077	1/1	0.98	0.09	15,15,15,15	0
56	MG	2A	3674	1/1	0.98	0.05	32,32,32,32	0
56	MG	1A	8309	1/1	0.98	0.05	19,19,19,19	0
56	MG	1A	8918	1/1	0.98	0.05	16,16,16,16	0
56	MG	1A	8758	1/1	0.98	0.09	11,11,11,11	0
56	MG	1A	8094	1/1	0.98	0.07	12,12,12,12	0
56	MG	2A	3925	1/1	0.98	0.09	42,42,42,42	0
56	MG	1A	8761	1/1	0.98	0.05	7,7,7,7	0
56	MG	2A	3078	1/1	0.98	0.19	24,24,24,24	0
56	MG	1A	8312	1/1	0.98	0.06	7,7,7,7	0
56	MG	2A	3682	1/1	0.98	0.08	40,40,40,40	0
56	MG	1A	8459	1/1	0.98	0.07	24,24,24,24	0
56	MG	1A	8924	1/1	0.98	0.09	12,12,12,12	0
56	MG	1A	8253	1/1	0.98	0.17	23,23,23,23	0
56	MG	1A	8254	1/1	0.98	0.04	15,15,15,15	0
56	MG	2a	1685	1/1	0.98	0.05	41,41,41,41	0
56	MG	2a	1686	1/1	0.98	0.04	41,41,41,41	0
56	MG	2A	3084	1/1	0.98	0.18	21,21,21,21	0
56	MG	1A	8095	1/1	0.98	0.10	6,6,6,6	0
56	MG	1A	8928	1/1	0.98	0.24	16,16,16,16	0
56	MG	1A	8929	1/1	0.98	0.09	17,17,17,17	0
56	MG	1A	8096	1/1	0.98	0.07	10,10,10,10	0
56	MG	1A	8211	1/1	0.98	0.25	15,15,15,15	0
56	MG	1A	8770	1/1	0.98	0.04	21,21,21,21	0
56	MG	2A	3941	1/1	0.98	0.05	35,35,35,35	0
56	MG	2A	3695	1/1	0.98	0.04	33,33,33,33	0
56	MG	1A	8771	1/1	0.98	0.08	24,24,24,24	0
56	MG	1A	8772	1/1	0.98	0.06	27,27,27,27	0
56	MG	2A	3945	1/1	0.98	0.05	22,22,22,22	0
56	MG	1A	8935	1/1	0.98	0.20	5,5,5,5	0
56	MG	1A	8936	1/1	0.98	0.18	11,11,11,11	0
56	MG	1A	8937	1/1	0.98	0.04	11,11,11,11	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8078	1/1	0.98	0.10	9,9,9,9	0
56	MG	1A	8145	1/1	0.98	0.12	15,15,15,15	0
56	MG	1A	8146	1/1	0.98	0.11	13,13,13,13	0
56	MG	1A	8551	1/1	0.98	0.07	32,32,32,32	0
56	MG	1A	8779	1/1	0.98	0.06	29,29,29,29	0
56	MG	1A	8943	1/1	0.98	0.25	19,19,19,19	0
56	MG	2a	1708	1/1	0.98	0.06	29,29,29,29	0
56	MG	1A	8215	1/1	0.98	0.18	12,12,12,12	0
56	MG	1A	8216	1/1	0.98	0.24	15,15,15,15	0
56	MG	2A	3711	1/1	0.98	0.05	29,29,29,29	0
56	MG	1A	8656	1/1	0.98	0.12	22,22,22,22	0
56	MG	1A	8947	1/1	0.98	0.04	19,19,19,19	0
56	MG	1A	8217	1/1	0.98	0.13	11,11,11,11	0
56	MG	2A	3289	1/1	0.98	0.07	22,22,22,22	0
56	MG	1a	1630	1/1	0.98	0.15	17,17,17,17	0
56	MG	2A	3108	1/1	0.98	0.24	27,27,27,27	0
56	MG	1A	8658	1/1	0.98	0.28	9,9,9,9	0
56	MG	2A	3110	1/1	0.98	0.14	35,35,35,35	0
56	MG	1A	8950	1/1	0.98	0.06	26,26,26,26	0
56	MG	1A	8218	1/1	0.98	0.07	11,11,11,11	0
56	MG	1A	8065	1/1	0.98	0.04	11,11,11,11	0
56	MG	1A	8148	1/1	0.98	0.04	7,7,7,7	0
56	MG	1a	1808	1/1	0.98	0.04	35,35,35,35	0
56	MG	2A	3725	1/1	0.98	0.04	29,29,29,29	0
56	MG	2A	3299	1/1	0.98	0.03	41,41,41,41	0
56	MG	1A	8954	1/1	0.98	0.13	13,13,13,13	0
56	MG	1A	8955	1/1	0.98	0.27	11,11,11,11	0
56	MG	1A	8268	1/1	0.98	0.15	15,15,15,15	0
56	MG	1A	8396	1/1	0.98	0.04	14,14,14,14	0
56	MG	2A	3512	1/1	0.98	0.04	53,53,53,53	0
56	MG	2A	3304	1/1	0.98	0.05	47,47,47,47	0
56	MG	1A	8959	1/1	0.98	0.06	27,27,27,27	0
56	MG	1A	8664	1/1	0.98	0.04	26,26,26,26	0
56	MG	1A	8962	1/1	0.98	0.17	11,11,11,11	0
56	MG	1A	8560	1/1	0.98	0.07	18,18,18,18	0
56	MG	1a	1819	1/1	0.98	0.07	37,37,37,37	0
56	MG	2a	1738	1/1	0.98	0.04	43,43,43,43	0
56	MG	2a	1739	1/1	0.98	0.12	48,48,48,48	0
56	MG	1A	8397	1/1	0.98	0.06	18,18,18,18	0
56	MG	2A	3311	1/1	0.98	0.05	29,29,29,29	0
56	MG	1A	8562	1/1	0.98	0.12	9,9,9,9	0
56	MG	1A	8046	1/1	0.98	0.08	12,12,12,12	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1824	1/1	0.98	0.07	54,54,54,54	0
56	MG	2a	1745	1/1	0.98	0.05	55,55,55,55	0
56	MG	1A	8796	1/1	0.98	0.07	35,35,35,35	0
56	MG	2A	3745	1/1	0.98	0.07	39,39,39,39	0
56	MG	1A	8969	1/1	0.98	0.13	12,12,12,12	0
56	MG	1A	8564	1/1	0.98	0.23	11,11,11,11	0
56	MG	1A	8481	1/1	0.98	0.06	20,20,20,20	0
56	MG	1A	8567	1/1	0.98	0.05	31,31,31,31	0
56	MG	1A	8399	1/1	0.98	0.09	34,34,34,34	0
56	MG	1A	8673	1/1	0.98	0.17	32,32,32,32	0
56	MG	1a	1832	1/1	0.98	0.05	44,44,44,44	0
56	MG	1A	8151	1/1	0.98	0.07	10,10,10,10	0
56	MG	1A	8223	1/1	0.98	0.24	18,18,18,18	0
56	MG	1A	8047	1/1	0.98	0.18	6,6,6,6	0
56	MG	1A	8805	1/1	0.98	0.09	34,34,34,34	0
56	MG	1A	8405	1/1	0.98	0.04	16,16,16,16	0
56	MG	2A	3758	1/1	0.98	0.11	28,28,28,28	0
56	MG	1A	8808	1/1	0.98	0.12	17,17,17,17	0
56	MG	1A	8678	1/1	0.98	0.04	21,21,21,21	0
56	MG	1A	8487	1/1	0.98	0.10	31,31,31,31	0
56	MG	2A	3146	1/1	0.98	0.24	28,28,28,28	0
56	MG	2A	3334	1/1	0.98	0.04	23,23,23,23	0
56	MG	2A	3764	1/1	0.98	0.06	62,62,62,62	0
56	MG	1A	8406	1/1	0.98	0.13	42,42,42,42	0
56	MG	1A	8576	1/1	0.98	0.05	29,29,29,29	0
56	MG	2A	3544	1/1	0.98	0.04	38,38,38,38	0
56	MG	1A	8815	1/1	0.98	0.10	21,21,21,21	0
56	MG	1B	3013	1/1	0.98	0.04	24,24,24,24	0
56	MG	1A	8816	1/1	0.98	0.05	12,12,12,12	0
56	MG	2a	1773	1/1	0.98	0.07	52,52,52,52	0
56	MG	1A	8682	1/1	0.98	0.04	23,23,23,23	0
56	MG	1A	8102	1/1	0.98	0.14	16,16,16,16	0
56	MG	1A	8103	1/1	0.98	0.06	13,13,13,13	0
56	MG	2A	3776	1/1	0.98	0.06	51,51,51,51	0
56	MG	1A	8185	1/1	0.98	0.13	26,26,26,26	0
56	MG	2A	3345	1/1	0.98	0.05	39,39,39,39	0
56	MG	1A	8825	1/1	0.98	0.10	35,35,35,35	0
56	MG	2a	1781	1/1	0.98	0.05	61,61,61,61	0
56	MG	1A	8492	1/1	0.98	0.08	18,18,18,18	0
56	MG	1A	8186	1/1	0.98	0.07	26,26,26,26	0
56	MG	1A	8494	1/1	0.98	0.20	17,17,17,17	0
56	MG	2A	3350	1/1	0.98	0.12	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1B	3023	1/1	0.98	0.10	46,46,46,46	0
56	MG	2A	3352	1/1	0.98	0.08	60,60,60,60	0
56	MG	2E	304	1/1	0.98	0.10	21,21,21,21	0
56	MG	1A	8584	1/1	0.98	0.07	35,35,35,35	0
56	MG	2a	1791	1/1	0.98	0.04	51,51,51,51	0
56	MG	1A	8690	1/1	0.98	0.04	20,20,20,20	0
56	MG	2A	3163	1/1	0.98	0.06	23,23,23,23	0
56	MG	1A	8835	1/1	0.98	0.08	36,36,36,36	0
56	MG	2A	3359	1/1	0.98	0.04	30,30,30,30	0
56	MG	1A	8030	1/1	0.98	0.19	20,20,20,20	0
56	MG	2A	3166	1/1	0.98	0.03	42,42,42,42	0
56	MG	1D	301	1/1	0.98	0.06	21,21,21,21	0
56	MG	1A	8837	1/1	0.98	0.04	18,18,18,18	0
56	MG	1D	304	1/1	0.98	0.04	14,14,14,14	0
56	MG	1A	8692	1/1	0.98	0.12	19,19,19,19	0
56	MG	1A	8496	1/1	0.98	0.06	21,21,21,21	0
56	MG	2a	1804	1/1	0.98	0.14	65,65,65,65	0
56	MG	1A	8018	1/1	0.98	0.12	10,10,10,10	0
56	MG	1D	309	1/1	0.98	0.10	26,26,26,26	0
56	MG	1A	8414	1/1	0.98	0.07	35,35,35,35	0
56	MG	2a	1808	1/1	0.98	0.07	53,53,53,53	0
56	MG	1A	8499	1/1	0.98	0.10	18,18,18,18	0
56	MG	1A	8844	1/1	0.98	0.18	15,15,15,15	0
56	MG	1A	8070	1/1	0.98	0.12	16,16,16,16	0
56	MG	2A	3579	1/1	0.98	0.12	25,25,25,25	0
56	MG	2A	3805	1/1	0.98	0.04	40,40,40,40	0
56	MG	1A	8698	1/1	0.98	0.06	30,30,30,30	0
56	MG	1E	301	1/1	0.98	0.09	22,22,22,22	0
56	MG	1A	8190	1/1	0.98	0.04	15,15,15,15	0
56	MG	2A	3583	1/1	0.98	0.04	25,25,25,25	0
56	MG	1a	1695	1/1	0.98	0.05	27,27,27,27	0
56	MG	1A	8503	1/1	0.98	0.06	23,23,23,23	0
56	MG	1A	8085	1/1	0.98	0.08	15,15,15,15	0
56	MG	1A	8702	1/1	0.98	0.04	30,30,30,30	0
56	MG	2A	3381	1/1	0.98	0.04	31,31,31,31	0
56	MG	1A	8012	1/1	0.98	0.03	18,18,18,18	0
56	MG	1A	8854	1/1	0.98	0.07	22,22,22,22	0
56	MG	2A	3819	1/1	0.98	0.05	32,32,32,32	0
56	MG	2A	3821	1/1	0.98	0.05	48,48,48,48	0
56	MG	1A	8345	1/1	0.98	0.04	30,30,30,30	0
56	MG	2A	3824	1/1	0.98	0.04	42,42,42,42	0
56	MG	1A	8856	1/1	0.98	0.06	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8420	1/1	0.98	0.07	28,28,28,28	0
56	MG	2A	3387	1/1	0.98	0.07	47,47,47,47	0
56	MG	2A	3388	1/1	0.98	0.07	23,23,23,23	0
56	MG	1F	304	1/1	0.98	0.04	9,9,9,9	0
56	MG	1A	8109	1/1	0.98	0.04	12,12,12,12	0
56	MG	2Y	203	1/1	0.98	0.05	47,47,47,47	0
56	MG	1F	307	1/1	0.98	0.10	13,13,13,13	0
56	MG	1F	308	1/1	0.98	0.07	18,18,18,18	0
56	MG	1A	8422	1/1	0.98	0.04	33,33,33,33	0
56	MG	2A	3836	1/1	0.98	0.08	32,32,32,32	0
56	MG	1A	8195	1/1	0.98	0.26	8,8,8,8	0
56	MG	1A	8072	1/1	0.98	0.07	11,11,11,11	0
56	MG	2A	3839	1/1	0.98	0.06	27,27,27,27	0
56	MG	1A	8238	1/1	0.98	0.12	19,19,19,19	0
56	MG	1A	8715	1/1	0.98	0.05	17,17,17,17	0
56	MG	1A	8288	1/1	0.98	0.04	8,8,8,8	0
56	MG	2A	3844	1/1	0.98	0.06	46,46,46,46	0
56	MG	1A	8289	1/1	0.98	0.07	8,8,8,8	0
56	MG	1N	202	1/1	0.98	0.05	28,28,28,28	0
56	MG	2A	3023	1/1	0.98	0.08	43,43,43,43	0
56	MG	2A	3609	1/1	0.98	0.05	47,47,47,47	0
56	MG	1A	8606	1/1	0.98	0.12	26,26,26,26	0
56	MG	1A	8869	1/1	0.98	0.07	20,20,20,20	0
56	MG	1A	8607	1/1	0.98	0.07	18,18,18,18	0
56	MG	1A	8162	1/1	0.98	0.09	10,10,10,10	0
58	SF4	1d	501	8/8	0.98	0.05	48,49,54,54	0
56	MG	2A	3853	1/1	0.98	0.07	54,54,54,54	0
56	MG	1A	8873	1/1	0.98	0.05	10,10,10,10	0
56	MG	1A	8293	1/1	0.98	0.10	12,12,12,12	0
56	MG	1a	1715	1/1	0.99	0.03	32,32,32,32	0
56	MG	1A	8811	1/1	0.99	0.04	35,35,35,35	0
56	MG	1A	8166	1/1	0.99	0.03	14,14,14,14	0
56	MG	2A	3313	1/1	0.99	0.06	31,31,31,31	0
56	MG	1A	8614	1/1	0.99	0.19	41,41,41,41	0
56	MG	1A	8961	1/1	0.99	0.06	20,20,20,20	0
56	MG	2A	3316	1/1	0.99	0.21	34,34,34,34	0
56	MG	1A	8705	1/1	0.99	0.03	10,10,10,10	0
56	MG	1a	1811	1/1	0.99	0.04	58,58,58,58	0
56	MG	1a	1812	1/1	0.99	0.03	35,35,35,35	0
56	MG	1P	203	1/1	0.99	0.07	8,8,8,8	0
56	MG	1a	1722	1/1	0.99	0.03	32,32,32,32	0
56	MG	1A	8302	1/1	0.99	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
56	MG	1A	8366	1/1	0.99	0.04	14,14,14,14	0
56	MG	1a	1725	1/1	0.99	0.04	35,35,35,35	0
56	MG	1A	8889	1/1	0.99	0.10	17,17,17,17	0
56	MG	1A	8817	1/1	0.99	0.10	31,31,31,31	0
56	MG	1A	8967	1/1	0.99	0.21	27,27,27,27	0
56	MG	1A	8007	1/1	0.99	0.06	8,8,8,8	0
56	MG	2A	3137	1/1	0.99	0.04	26,26,26,26	0
56	MG	1a	1822	1/1	0.99	0.05	25,25,25,25	0
56	MG	1A	8760	1/1	0.99	0.03	12,12,12,12	0
56	MG	1A	8709	1/1	0.99	0.03	23,23,23,23	0
56	MG	1A	8821	1/1	0.99	0.03	9,9,9,9	0
56	MG	1A	8822	1/1	0.99	0.07	44,44,44,44	0
56	MG	2A	3335	1/1	0.99	0.06	37,37,37,37	0
56	MG	1A	8535	1/1	0.99	0.05	31,31,31,31	0
56	MG	2A	3440	1/1	0.99	0.04	30,30,30,30	0
56	MG	2A	3652	1/1	0.99	0.05	43,43,43,43	0
56	MG	1A	8898	1/1	0.99	0.08	39,39,39,39	0
56	MG	1A	8342	1/1	0.99	0.05	9,9,9,9	0
56	MG	2A	3443	1/1	0.99	0.02	31,31,31,31	0
56	MG	1A	8826	1/1	0.99	0.03	14,14,14,14	0
56	MG	1A	8827	1/1	0.99	0.07	12,12,12,12	0
56	MG	2A	3769	1/1	0.99	0.04	31,31,31,31	0
56	MG	1U	203	1/1	0.99	0.08	13,13,13,13	0
56	MG	1A	8828	1/1	0.99	0.06	40,40,40,40	0
56	MG	1A	8713	1/1	0.99	0.04	9,9,9,9	0
56	MG	2A	3773	1/1	0.99	0.08	24,24,24,24	0
56	MG	1A	8830	1/1	0.99	0.05	27,27,27,27	0
56	MG	1A	8426	1/1	0.99	0.06	31,31,31,31	0
56	MG	1A	8766	1/1	0.99	0.03	37,37,37,37	0
56	MG	2D	305	1/1	0.99	0.04	33,33,33,33	0
56	MG	1A	8369	1/1	0.99	0.04	11,11,11,11	0
56	MG	2A	3896	1/1	0.99	0.03	28,28,28,28	0
56	MG	1X	101	1/1	0.99	0.03	20,20,20,20	0
56	MG	1A	8501	1/1	0.99	0.05	29,29,29,29	0
56	MG	1A	8580	1/1	0.99	0.03	27,27,27,27	0
56	MG	2D	311	1/1	0.99	0.03	29,29,29,29	0
56	MG	1A	8624	1/1	0.99	0.05	34,34,34,34	0
56	MG	1A	8149	1/1	0.99	0.10	11,11,11,11	0
56	MG	1A	8021	1/1	0.99	0.20	12,12,12,12	0
56	MG	2A	3354	1/1	0.99	0.04	27,27,27,27	0
56	MG	2A	3460	1/1	0.99	0.06	25,25,25,25	0
56	MG	1A	8466	1/1	0.99	0.08	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8086	1/1	0.99	0.07	18,18,18,18	0
56	MG	2a	1789	1/1	0.99	0.04	63,63,63,63	0
56	MG	2A	3357	1/1	0.99	0.04	20,20,20,20	0
56	MG	1A	8775	1/1	0.99	0.03	9,9,9,9	0
56	MG	2a	1792	1/1	0.99	0.09	55,55,55,55	0
56	MG	2A	3570	1/1	0.99	0.05	35,35,35,35	0
56	MG	1A	8842	1/1	0.99	0.08	11,11,11,11	0
56	MG	1A	8290	1/1	0.99	0.04	19,19,19,19	0
56	MG	1A	8432	1/1	0.99	0.02	26,26,26,26	0
56	MG	1A	8845	1/1	0.99	0.14	28,28,28,28	0
56	MG	1A	8778	1/1	0.99	0.03	21,21,21,21	0
56	MG	1A	8127	1/1	0.99	0.18	11,11,11,11	0
56	MG	1A	8848	1/1	0.99	0.10	13,13,13,13	0
56	MG	1A	8588	1/1	0.99	0.05	11,11,11,11	0
56	MG	2A	3918	1/1	0.99	0.04	43,43,43,43	0
56	MG	1A	8375	1/1	0.99	0.05	11,11,11,11	0
56	MG	1A	8435	1/1	0.99	0.04	16,16,16,16	0
56	MG	2A	3475	1/1	0.99	0.04	23,23,23,23	0
56	MG	1a	1676	1/1	0.99	0.12	30,30,30,30	0
56	MG	1D	302	1/1	0.99	0.04	11,11,11,11	0
56	MG	1A	8591	1/1	0.99	0.16	10,10,10,10	0
56	MG	1A	8730	1/1	0.99	0.04	62,62,62,62	0
56	MG	1A	8403	1/1	0.99	0.05	13,13,13,13	0
56	MG	1A	8292	1/1	0.99	0.03	26,26,26,26	0
56	MG	1A	8310	1/1	0.99	0.04	8,8,8,8	0
56	MG	2A	3809	1/1	0.99	0.04	20,20,20,20	0
56	MG	1A	8350	1/1	0.99	0.08	8,8,8,8	0
56	MG	2A	3811	1/1	0.99	0.05	47,47,47,47	0
56	MG	1A	8440	1/1	0.99	0.08	5,5,5,5	0
56	MG	1A	8032	1/1	0.99	0.08	6,6,6,6	0
56	MG	2A	3184	1/1	0.99	0.11	25,25,25,25	0
56	MG	1A	8860	1/1	0.99	0.09	22,22,22,22	0
56	MG	1A	8642	1/1	0.99	0.03	18,18,18,18	0
56	MG	1A	8862	1/1	0.99	0.07	42,42,42,42	0
56	MG	1A	8792	1/1	0.99	0.05	15,15,15,15	0
56	MG	2d	502	1/1	0.99	0.03	53,53,53,53	0
56	MG	1A	8278	1/1	0.99	0.03	8,8,8,8	0
56	MG	2A	3820	1/1	0.99	0.03	29,29,29,29	0
56	MG	1A	8410	1/1	0.99	0.05	35,35,35,35	0
56	MG	2A	3822	1/1	0.99	0.04	46,46,46,46	0
56	MG	2A	3707	1/1	0.99	0.04	31,31,31,31	0
56	MG	1A	8354	1/1	0.99	0.05	9,9,9,9	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3825	1/1	0.99	0.04	27,27,27,27	0
56	MG	2A	3826	1/1	0.99	0.05	33,33,33,33	0
56	MG	1A	8204	1/1	0.99	0.28	20,20,20,20	0
56	MG	1A	8051	1/1	0.99	0.12	10,10,10,10	0
56	MG	1A	8357	1/1	0.99	0.03	6,6,6,6	0
56	MG	1A	8870	1/1	0.99	0.09	20,20,20,20	0
56	MG	1A	8194	1/1	0.99	0.18	17,17,17,17	0
56	MG	1A	8334	1/1	0.99	0.04	13,13,13,13	0
56	MG	1A	8099	1/1	0.99	0.15	12,12,12,12	0
56	MG	1F	305	1/1	0.99	0.03	15,15,15,15	0
56	MG	1A	8256	1/1	0.99	0.17	14,14,14,14	0
56	MG	1A	8131	1/1	0.99	0.15	12,12,12,12	0
56	MG	1A	8566	1/1	0.99	0.04	22,22,22,22	0
56	MG	1F	309	1/1	0.99	0.12	14,14,14,14	0
56	MG	1a	1705	1/1	0.99	0.08	25,25,25,25	0
56	MG	1a	1795	1/1	0.99	0.08	52,52,52,52	0
56	MG	1a	1706	1/1	0.99	0.03	27,27,27,27	0
56	MG	2A	3842	1/1	0.99	0.08	48,48,48,48	0
56	MG	2A	3404	1/1	0.99	0.04	25,25,25,25	0
56	MG	1A	8750	1/1	0.99	0.04	31,31,31,31	0
56	MG	2A	3965	1/1	0.99	0.09	32,32,32,32	0
56	MG	1A	8338	1/1	0.99	0.06	13,13,13,13	0
57	ZN	1Y	501	1/1	0.99	0.02	47,47,47,47	0
56	MG	1A	8807	1/1	0.99	0.04	18,18,18,18	0
57	ZN	15	102	1/1	0.99	0.02	31,31,31,31	0
57	ZN	16	101	1/1	0.99	0.02	24,24,24,24	0
56	MG	1A	8454	1/1	0.99	0.04	16,16,16,16	0
56	MG	2A	3969	1/1	0.99	0.13	55,55,55,55	0
56	MG	1A	8455	1/1	0.99	0.04	22,22,22,22	0
57	ZN	25	102	1/1	0.99	0.04	53,53,53,53	0
57	ZN	26	101	1/1	0.99	0.02	42,42,42,42	0
57	ZN	29	501	1/1	0.99	0.02	52,52,52,52	0
57	ZN	2n	501	1/1	0.99	0.03	64,64,64,64	0
56	MG	1a	1712	1/1	0.99	0.04	39,39,39,39	0
56	MG	2A	3732	1/1	0.99	0.07	62,62,62,62	0
56	MG	1A	8956	1/1	0.99	0.16	11,11,11,11	0
56	MG	1A	8810	1/1	0.99	0.04	8,8,8,8	0
56	MG	2A	3366	1/1	1.00	0.04	29,29,29,29	0
56	MG	2A	3708	1/1	1.00	0.02	30,30,30,30	0
57	ZN	19	102	1/1	1.00	0.02	27,27,27,27	0
56	MG	1D	308	1/1	1.00	0.02	8,8,8,8	0
56	MG	1A	8710	1/1	1.00	0.03	16,16,16,16	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8462	1/1	1.00	0.02	8,8,8,8	0
56	MG	1A	8404	1/1	1.00	0.03	8,8,8,8	0
56	MG	1A	8352	1/1	1.00	0.02	21,21,21,21	0
56	MG	1A	8477	1/1	1.00	0.05	14,14,14,14	0
56	MG	1A	8823	1/1	1.00	0.02	23,23,23,23	0
56	MG	1A	8574	1/1	1.00	0.03	15,15,15,15	0
56	MG	1A	8895	1/1	1.00	0.02	12,12,12,12	0
56	MG	2A	3396	1/1	1.00	0.02	25,25,25,25	0
56	MG	2A	3694	1/1	1.00	0.03	35,35,35,35	0

5.5 Other polymers [i](#)

There are no such residues in this entry.