



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 8, 2026 – 03:34 PM UTC

PDB ID : 5J4C / pdb_00005j4c
Title : Crystal structure of the Thermus thermophilus 70S ribosome in complex with cisplatin (soaked) and bound to mRNA and A-, P- and E-site tRNAs at 2.8Å resolution
Authors : Melnikov, S.V.; Soll, D.; Steitz, T.A.; Polikanov, Y.S.
Deposited on : 2016-03-31
Resolution : 2.80 Å(reported)

This is a wwPDB X-ray Structure Validation Summary 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 : 4-5-2 with Phenix2.0
Mogul : 2022.3.0, CSD as543be (2022)
Xtriage (Phenix) : 2.0
EDS : 3.0
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
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) : 2.49

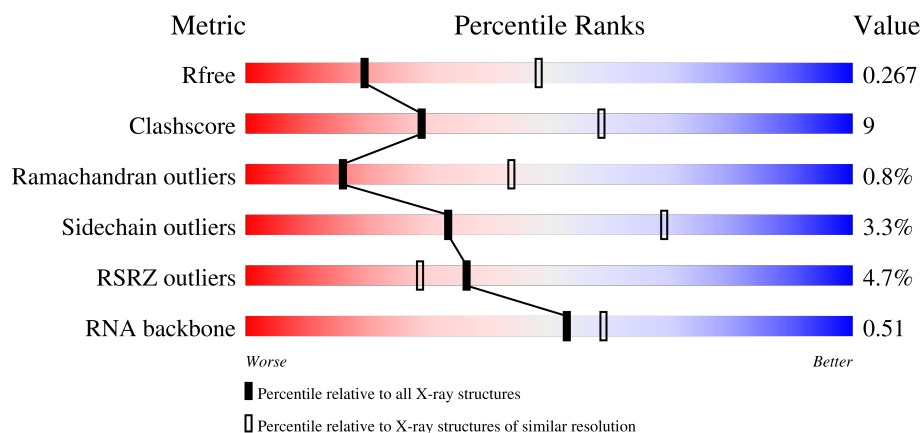
1 Overall quality at a glance

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}	180053	3866 (2.80-2.80)
Clashscore	190562	4276 (2.80-2.80)
Ramachandran outliers	187476	4196 (2.80-2.80)
Sidechain outliers	187428	4198 (2.80-2.80)
RSRZ outliers	180081	3869 (2.80-2.80)
RNA backbone	3983	1114 (3.00-2.60)

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

Mol	Chain	Length	Quality of chain
1	1A	2915	3% 64% 28% 6%
1	2A	2915	2% 53% 36% 6%
2	1B	121	66% 31%
2	2B	121	2% 49% 40% 11%

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Mol	Chain	Length	Quality of chain
3	1D	276	3% 80% 19% .
3	2D	276	% 75% 24%
4	1E	206	77% 18% ..
4	2E	206	% 78% 17% ..
5	1F	210	% 69% 23% ..
5	2F	210	% 65% 27% ...
6	1G	182	10% 74% 24% ...
6	2G	182	13% 70% 26% ...
7	1H	180	8% 73% 22% ..
7	2H	180	11% 57% 36% ..
8	1I	148	3% 70% 26% ..
8	2I	148	4% 74% 22% ..
9	1N	140	2% 86% 12% .
9	2N	140	74% 25% .
10	1O	122	87% 13%
10	2O	122	% 80% 20%
11	1P	150	% 80% 19% .
11	2P	150	3% 71% 25% ..
12	1Q	141	4% 84% 16%
12	2Q	141	4% 62% 36% .
13	1R	118	75% 22% .
13	2R	118	79% 20% .
14	1S	112	2% 79% 20% .
14	2S	112	15% 71% 26% ..
15	1T	146	4% 72% 17% 10%

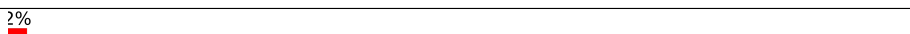
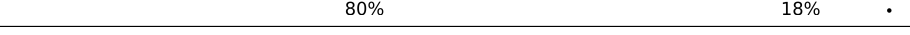
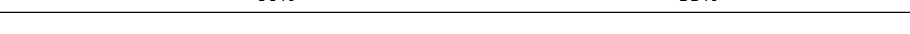
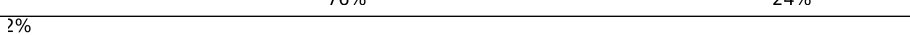
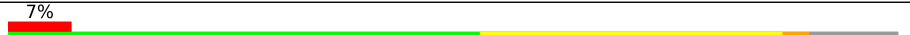
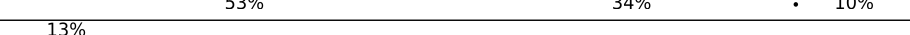
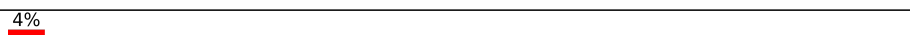
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Mol	Chain	Length	Quality of chain
15	2T	146	
16	1U	118	
16	2U	118	
17	1V	101	
17	2V	101	
18	1W	113	
18	2W	113	
19	1X	96	
19	2X	96	
20	1Y	110	
20	2Y	110	
21	1Z	206	
21	2Z	206	
22	10	85	
22	20	85	
23	11	98	
23	21	98	
24	12	72	
24	22	72	
25	13	60	
25	23	60	
26	14	71	
26	24	71	
27	15	60	
27	25	60	

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Mol	Chain	Length	Quality of chain
28	16	54	
28	26	54	
29	17	49	
29	27	49	
30	18	65	
30	28	65	
31	19	37	
31	29	37	
32	1a	1521	
32	2a	1521	
33	1b	256	
33	2b	256	
34	1c	239	
34	2c	239	
35	1d	209	
35	2d	209	
36	1e	162	
36	2e	162	
37	1f	101	
37	2f	101	
38	1g	156	
38	2g	156	
39	1h	138	
39	2h	138	
40	1i	128	

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Mol	Chain	Length	Quality of chain
40	2i	128	
41	1j	105	
41	2j	105	
42	1k	129	
42	2k	129	
43	1l	132	
43	2l	132	
44	1m	126	
44	2m	126	
45	1n	61	
45	2n	61	
46	1o	89	
46	2o	89	
47	1p	88	
47	2p	88	
48	1q	105	
48	2q	105	
49	1r	88	
49	2r	88	
50	1s	93	
50	2s	93	
51	1t	106	
51	2t	106	
52	1u	27	
52	2u	27	

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Mol	Chain	Length	Quality of chain
53	1v	24	
53	2v	24	
54	1w	76	
54	1y	76	
54	2w	76	
54	2y	76	
55	1x	77	
55	2x	77	

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
54	PSU	2y	55	-	-	X	-
56	MG	1A	3091	-	-	-	X
56	MG	1A	4146	-	-	-	X
56	MG	1a	1683	-	-	-	X
56	MG	1a	1751	-	-	-	X
56	MG	1a	1804	-	-	-	X
56	MG	1w	103	-	-	-	X
56	MG	2A	3761	-	-	-	X
56	MG	2a	3029	-	-	-	X

2 Entry composition

There are 61 unique types of molecules in this entry. The entry contains 301288 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	1A	2871	Total	C	N	O	P	0	0	0
			61852	27531	11572	19878	2871			
1	2A	2800	Total	C	N	O	P	0	0	0
			60322	26848	11284	19390	2800			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	1B	120	Total	C	N	O	P	0	0	0
			2577	1146	476	835	120			
2	2B	120	Total	C	N	O	P	0	0	0
			2575	1146	476	833	120			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	1D	275	Total	C	N	O	S	0	0	0
			2136	1349	423	361	3			
3	2D	275	Total	C	N	O	S	0	0	0
			2136	1349	423	361	3			

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	1F	203	Total	C	N	O	S	0	0	1
			1584	1009	298	275	2			
5	2F	203	Total	C	N	O	S	0	0	1
			1580	1007	297	274	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	1G	181	Total	C	N	O	S	0	0	0
			1423	913	253	253	4			
6	2G	181	Total	C	N	O	S	0	0	0
			1428	913	258	253	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	1H	173	Total	C	N	O	S	0	0	0
			1321	839	246	235	1			
7	2H	173	Total	C	N	O	S	0	0	0
			1321	839	246	235	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	1I	146	Total	C	N	O	S	0	0	0
			1097	701	191	204	1			
8	2I	146	Total	C	N	O	S	0	0	0
			1064	681	186	196	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	1N	140	Total	C	N	O	S	0	0	0
			1117	719	207	187	4			
9	2N	140	Total	C	N	O	S	0	0	0
			1117	719	207	187	4			

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
14	1S	110	Total	C	N	O	0	0	0
			873	550	174	149			
14	2S	110	Total	C	N	O	0	0	0
			870	549	173	148			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	1T	131	Total	C	N	O	S	0	0	0
			1091	680	225	185	1			
15	2T	131	Total	C	N	O	S	0	0	0
			1083	675	224	183	1			

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	1V	101	Total	C	N	O	S	0	0	0
			771	495	140	135	1			
17	2V	101	Total	C	N	O	S	0	0	0
			771	495	140	135	1			

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	1Y	107	Total	C	N	O	S	0	0	0
			806	517	152	131	6			
20	2Y	107	Total	C	N	O	S	0	0	0
			806	517	152	131	6			

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	10	83	Total	C	N	O	S	0	0	0
			653	404	139	109	1			
22	20	83	Total	C	N	O	S	0	0	0
			653	404	139	109	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	11	97	Total	C	N	O	S	0	0	0
			755	475	148	131	1			
23	21	97	Total	C	N	O	S	0	0	0
			755	475	148	131	1			

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

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

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
25	13	59	Total	C	N	O	0	0	0
			469	298	90	81			
25	23	59	Total	C	N	O	0	0	0
			464	296	90	78			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	14	69	Total	C	N	O	S	0	0	0
			552	349	99	99	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	24	69	Total	C	N	O	S	0	0	0
			532	339	97	91	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	15	59	Total	C	N	O	S	0	0	0
			455	285	89	76	5			
27	25	59	Total	C	N	O	S	0	0	0
			455	285	89	76	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	16	53	Total	C	N	O	S	0	0	0
			453	281	91	77	4			
28	26	53	Total	C	N	O	S	0	0	0
			449	279	91	75	4			

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	1a	1500	Total	C	N	O	P	0	0	0
			32246	14358	5975	10413	1500			
32	2a	1503	Total	C	N	O	P	0	0	0
			32327	14396	5990	10438	1503			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	1b	231	Total	C	N	O	S	0	0	0
			1846	1179	331	331	5			
33	2b	231	Total	C	N	O	S	0	0	0
			1825	1167	326	327	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	1c	206	Total	C	N	O	S	0	0	0
			1548	973	301	273	1			
34	2c	206	Total	C	N	O	S	0	0	0
			1542	968	300	273	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	1d	208	Total	C	N	O	S	0	0	0
			1655	1038	326	284	7			
35	2d	208	Total	C	N	O	S	0	0	0
			1674	1050	333	284	7			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	1e	148	Total	C	N	O	S	0	0	0
			1129	714	213	198	4			
36	2e	148	Total	C	N	O	S	0	0	0
			1133	716	214	199	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	1f	100	Total	C	N	O	S	0	0	0
			810	514	144	149	3			
37	2f	100	Total	C	N	O	S	0	0	0
			816	516	146	151	3			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	1g	155	Total	C	N	O	S	0	0	0
			1231	766	243	216	6			
38	2g	155	Total	C	N	O	S	0	0	0
			1235	769	244	216	6			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	1h	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	2			
39	2h	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	2			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
40	1i	127	Total	C	N	O	0	0	0
			983	623	193	167			
40	2i	127	Total	C	N	O	0	0	0
			978	619	190	169			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
41	1j	97	Total	C	N	O	0	0	0
			709	440	138	131			
41	2j	96	Total	C	N	O	0	0	0
			714	445	138	131			

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

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

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	1p	82	Total	C	N	O	S	0	0	0
			681	433	134	113	1			
47	2p	82	Total	C	N	O	S	0	0	0
			677	430	133	113	1			

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	1s	83	Total	C	N	O	S	0	0	0
			652	417	120	113	2			
50	2s	83	Total	C	N	O	S	0	0	0
			646	412	119	113	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
51	1t	96	Total	C	N	O	S	0	0	0
			728	446	156	124	2			
51	2t	96	Total	C	N	O	S	0	0	0
			727	446	155	124	2			

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

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

- Molecule 53 is a RNA chain called mRNA.

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

- Molecule 54 is a RNA chain called A-site and E-site tRNAs.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
54	1w	74	Total 1592	C 713	N 285	O 518	P 74	S 2	0	0	0
54	1y	74	Total 1585	C 707	N 285	O 518	P 74	S 1	0	0	0
54	2w	72	Total 1544	C 690	N 278	O 502	P 72	S 2	0	0	0
54	2y	73	Total 1565	C 698	N 283	O 510	P 73	S 1	0	0	0

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

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
55	1x	76	Total	C	N	O	P	S	0	0	0
			1625	725	294	529	76	1			
55	2x	76	Total	C	N	O	P	S	0	0	0
			1625	725	294	529	76	1			

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1A	1254	Total	Mg	0	0
			1254	1254		
56	1B	36	Total	Mg	0	0
			36	36		
56	1D	12	Total	Mg	0	0
			12	12		
56	1E	13	Total	Mg	0	0
			13	13		
56	1F	10	Total	Mg	0	0
			10	10		
56	1G	5	Total	Mg	0	0
			5	5		
56	1H	1	Total	Mg	0	0
			1	1		
56	1I	1	Total	Mg	0	0
			1	1		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1N	7	Total 7	Mg 7	0	0
56	1O	5	Total 5	Mg 5	0	0
56	1P	3	Total 3	Mg 3	0	0
56	1Q	5	Total 5	Mg 5	0	0
56	1R	3	Total 3	Mg 3	0	0
56	1S	3	Total 3	Mg 3	0	0
56	1T	2	Total 2	Mg 2	0	0
56	1U	6	Total 6	Mg 6	0	0
56	1V	2	Total 2	Mg 2	0	0
56	1W	6	Total 6	Mg 6	0	0
56	1X	6	Total 6	Mg 6	0	0
56	1Y	2	Total 2	Mg 2	0	0
56	1Z	3	Total 3	Mg 3	0	0
56	10	7	Total 7	Mg 7	0	0
56	11	3	Total 3	Mg 3	0	0
56	12	2	Total 2	Mg 2	0	0
56	13	2	Total 2	Mg 2	0	0
56	15	4	Total 4	Mg 4	0	0
56	16	2	Total 2	Mg 2	0	0
56	17	4	Total 4	Mg 4	0	0
56	18	3	Total 3	Mg 3	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	19	2	Total 2	Mg 2	0	0
56	1a	330	Total 330	Mg 330	0	0
56	1b	2	Total 2	Mg 2	0	0
56	1c	2	Total 2	Mg 2	0	0
56	1d	1	Total 1	Mg 1	0	0
56	1e	2	Total 2	Mg 2	0	0
56	1f	2	Total 2	Mg 2	0	0
56	1l	4	Total 4	Mg 4	0	0
56	1m	1	Total 1	Mg 1	0	0
56	1n	1	Total 1	Mg 1	0	0
56	1s	1	Total 1	Mg 1	0	0
56	1t	1	Total 1	Mg 1	0	0
56	1v	1	Total 1	Mg 1	0	0
56	1w	11	Total 11	Mg 11	0	0
56	1x	18	Total 18	Mg 18	0	0
56	1y	5	Total 5	Mg 5	0	0
56	2A	919	Total 919	Mg 919	0	0
56	2B	21	Total 21	Mg 21	0	0
56	2D	3	Total 3	Mg 3	0	0
56	2E	8	Total 8	Mg 8	0	0
56	2F	4	Total 4	Mg 4	0	0

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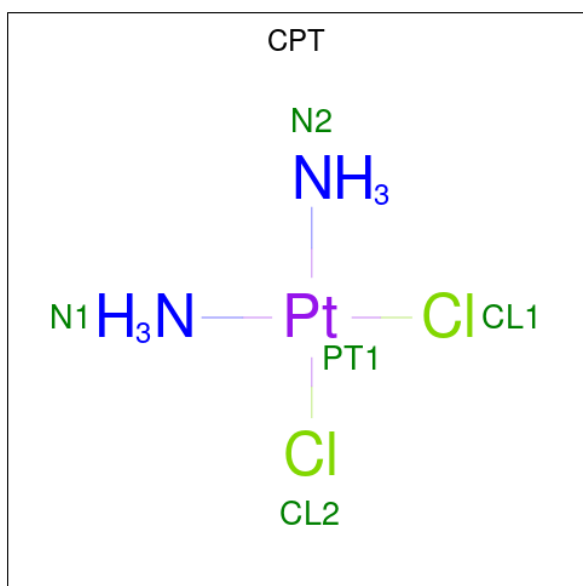
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2G	1	Total 1	Mg 1	0	0
56	2N	1	Total 1	Mg 1	0	0
56	2O	1	Total 1	Mg 1	0	0
56	2P	2	Total 2	Mg 2	0	0
56	2Q	3	Total 3	Mg 3	0	0
56	2R	2	Total 2	Mg 2	0	0
56	2T	1	Total 1	Mg 1	0	0
56	2U	6	Total 6	Mg 6	0	0
56	2V	1	Total 1	Mg 1	0	0
56	2W	4	Total 4	Mg 4	0	0
56	2X	2	Total 2	Mg 2	0	0
56	2Z	1	Total 1	Mg 1	0	0
56	20	3	Total 3	Mg 3	0	0
56	23	3	Total 3	Mg 3	0	0
56	25	4	Total 4	Mg 4	0	0
56	27	1	Total 1	Mg 1	0	0
56	28	3	Total 3	Mg 3	0	0
56	2a	236	Total 236	Mg 236	0	0
56	2d	1	Total 1	Mg 1	0	0
56	2e	1	Total 1	Mg 1	0	0
56	2f	2	Total 2	Mg 2	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	2g	1	Total 1 Mg 1	0	0
56	2j	2	Total 2 Mg 2	0	0
56	2l	4	Total 4 Mg 4	0	0
56	2n	1	Total 1 Mg 1	0	0
56	2p	1	Total 1 Mg 1	0	0
56	2q	4	Total 4 Mg 4	0	0
56	2r	1	Total 1 Mg 1	0	0
56	2t	1	Total 1 Mg 1	0	0
56	2v	6	Total 6 Mg 6	0	0
56	2w	7	Total 7 Mg 7	0	0
56	2x	6	Total 6 Mg 6	0	0
56	2y	7	Total 7 Mg 7	0	0

- Molecule 57 is Cisplatin (CCD ID: CPT) (formula: $\text{Cl}_2\text{H}_6\text{N}_2\text{Pt}$).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
57	1A	1	Total	Cl	N	Pt	0	0
			4	1	2	1		
57	1A	1	Total	Cl	N	Pt	0	0
			4	1	2	1		
57	1I	1	Total	Cl	N	Pt	0	0
			4	1	2	1		
57	1a	1	Total	Cl	N	Pt	0	0
			4	1	2	1		
57	2A	1	Total	Cl	N	Pt	0	0
			4	1	2	1		
57	2A	1	Total	Cl	N	Pt	0	0
			4	1	2	1		
57	2I	1	Total	Cl	N	Pt	0	0
			4	1	2	1		
57	2a	1	Total	Cl	N	Pt	0	0
			4	1	2	1		

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

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

- Molecule 59 is ZINC ION (CCD ID: ZN) (formula: Zn).

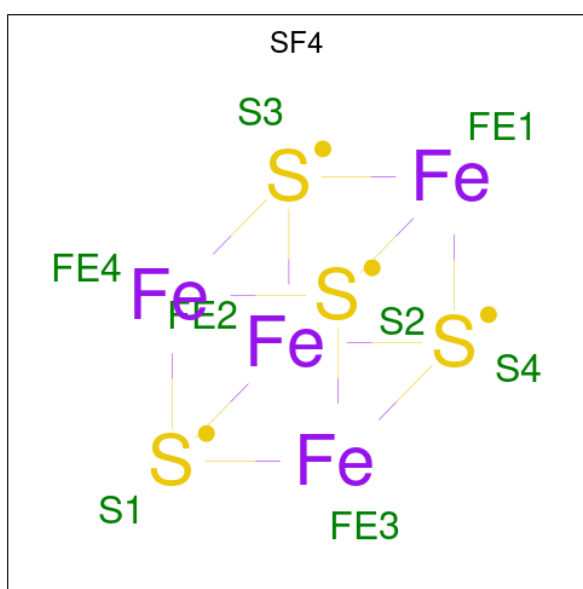
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	1Y	1	Total	Zn	0	0
			1	1		
59	14	1	Total	Zn	0	0
			1	1		
59	15	1	Total	Zn	0	0
			1	1		
59	16	1	Total	Zn	0	0
			1	1		
59	19	1	Total	Zn	0	0
			1	1		
59	1n	1	Total	Zn	0	0
			1	1		
59	2Y	1	Total	Zn	0	0
			1	1		
59	24	1	Total	Zn	0	0
			1	1		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	25	1	Total	Zn	0	0
			1	1		
59	26	1	Total	Zn	0	0
			1	1		
59	29	1	Total	Zn	0	0
			1	1		
59	2n	1	Total	Zn	0	0
			1	1		

- Molecule 60 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
60	1d	1	Total	Fe	S	0	0
			8	4	4		
60	2d	1	Total	Fe	S	0	0
			8	4	4		

- Molecule 61 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	1A	2273	Total	O	0	0
			2273	2273		
61	1B	70	Total	O	0	0
			70	70		
61	1D	28	Total	O	0	0
			28	28		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	1E	27	Total 27	O 27	0	0
61	1F	15	Total 15	O 15	0	0
61	1G	7	Total 7	O 7	0	0
61	1H	1	Total 1	O 1	0	0
61	1I	1	Total 1	O 1	0	0
61	1N	3	Total 3	O 3	0	0
61	1O	6	Total 6	O 6	0	0
61	1P	23	Total 23	O 23	0	0
61	1Q	12	Total 12	O 12	0	0
61	1R	15	Total 15	O 15	0	0
61	1S	5	Total 5	O 5	0	0
61	1T	10	Total 10	O 10	0	0
61	1U	16	Total 16	O 16	0	0
61	1V	11	Total 11	O 11	0	0
61	1W	13	Total 13	O 13	0	0
61	1X	6	Total 6	O 6	0	0
61	1Y	5	Total 5	O 5	0	0
61	1Z	1	Total 1	O 1	0	0
61	10	12	Total 12	O 12	0	0
61	11	14	Total 14	O 14	0	0
61	12	3	Total 3	O 3	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	13	5	Total 5	O 5	0	0
61	14	1	Total 1	O 1	0	0
61	15	7	Total 7	O 7	0	0
61	16	2	Total 2	O 2	0	0
61	17	7	Total 7	O 7	0	0
61	18	10	Total 10	O 10	0	0
61	1a	520	Total 520	O 520	0	0
61	1b	1	Total 1	O 1	0	0
61	1d	2	Total 2	O 2	0	0
61	1e	1	Total 1	O 1	0	0
61	1g	2	Total 2	O 2	0	0
61	1i	1	Total 1	O 1	0	0
61	1l	10	Total 10	O 10	0	0
61	1m	2	Total 2	O 2	0	0
61	1n	1	Total 1	O 1	0	0
61	1o	2	Total 2	O 2	0	0
61	1p	2	Total 2	O 2	0	0
61	1q	3	Total 3	O 3	0	0
61	1u	1	Total 1	O 1	0	0
61	1v	5	Total 5	O 5	0	0
61	1w	19	Total 19	O 19	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	1x	15	Total 15	O 15	0	0
61	1y	2	Total 2	O 2	0	0
61	2A	1393	Total 1393	O 1393	0	0
61	2B	28	Total 28	O 28	0	0
61	2D	29	Total 29	O 29	0	0
61	2E	18	Total 18	O 18	0	0
61	2F	17	Total 17	O 17	0	0
61	2I	4	Total 4	O 4	0	0
61	2N	1	Total 1	O 1	0	0
61	2O	1	Total 1	O 1	0	0
61	2P	16	Total 16	O 16	0	0
61	2Q	2	Total 2	O 2	0	0
61	2R	2	Total 2	O 2	0	0
61	2T	7	Total 7	O 7	0	0
61	2U	3	Total 3	O 3	0	0
61	2V	2	Total 2	O 2	0	0
61	2W	4	Total 4	O 4	0	0
61	2X	2	Total 2	O 2	0	0
61	2Y	1	Total 1	O 1	0	0
61	2Z	2	Total 2	O 2	0	0
61	20	4	Total 4	O 4	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	21	11	Total 11	O 11	0	0
61	22	1	Total 1	O 1	0	0
61	23	1	Total 1	O 1	0	0
61	25	3	Total 3	O 3	0	0
61	27	3	Total 3	O 3	0	0
61	28	4	Total 4	O 4	0	0
61	29	1	Total 1	O 1	0	0
61	2a	373	Total 373	O 373	0	0
61	2d	2	Total 2	O 2	0	0
61	2e	2	Total 2	O 2	0	0
61	2g	1	Total 1	O 1	0	0
61	2i	1	Total 1	O 1	0	0
61	2j	4	Total 4	O 4	0	0
61	2l	6	Total 6	O 6	0	0
61	2p	1	Total 1	O 1	0	0
61	2q	1	Total 1	O 1	0	0
61	2r	1	Total 1	O 1	0	0
61	2t	4	Total 4	O 4	0	0
61	2v	2	Total 2	O 2	0	0
61	2w	3	Total 3	O 3	0	0
61	2x	9	Total 9	O 9	0	0

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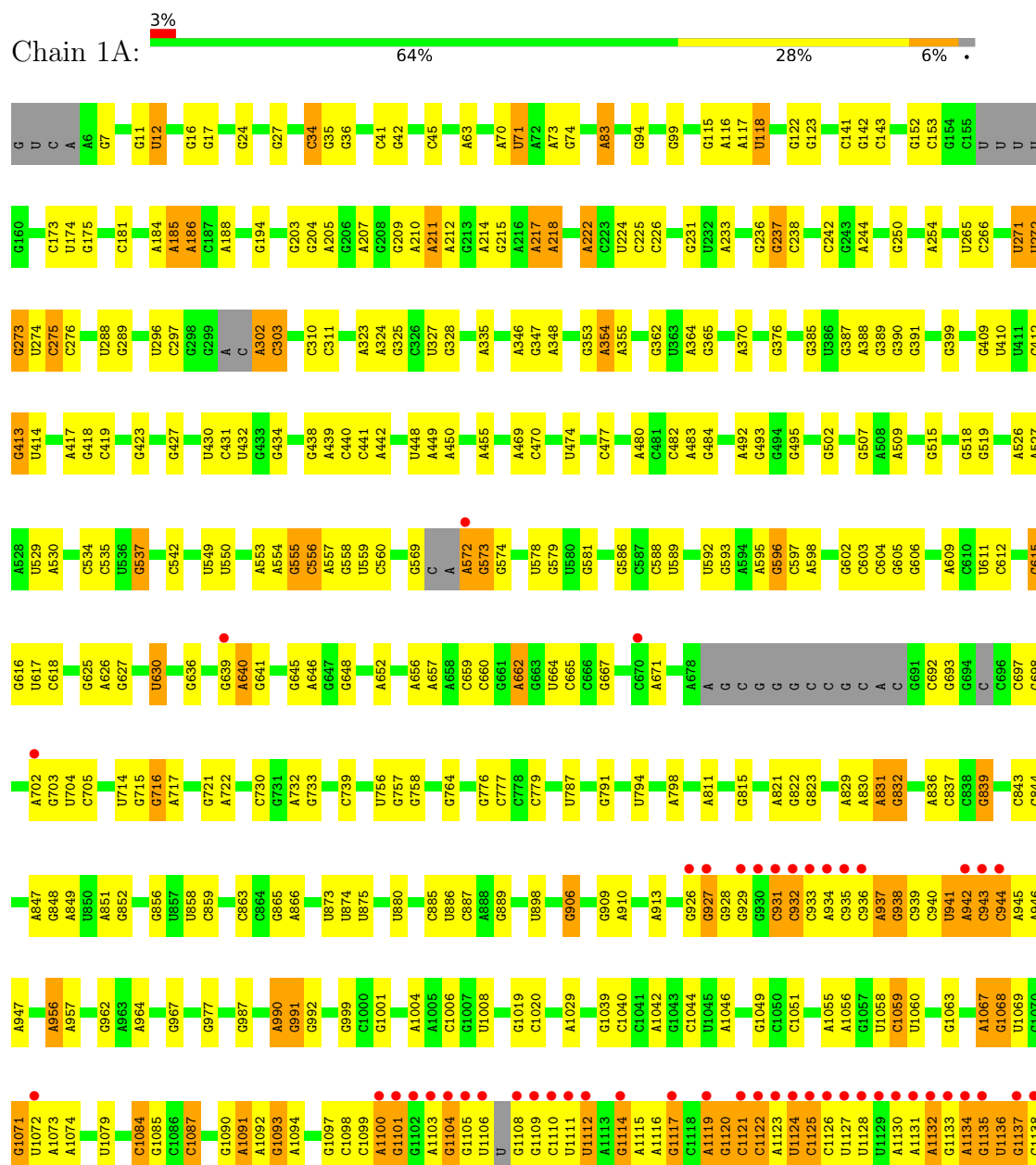
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	2y	20	Total	O	0	0
			20	20		

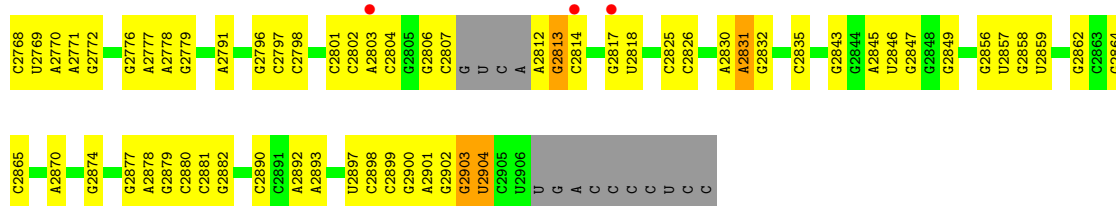
3 Residue-property plots [i](#)

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

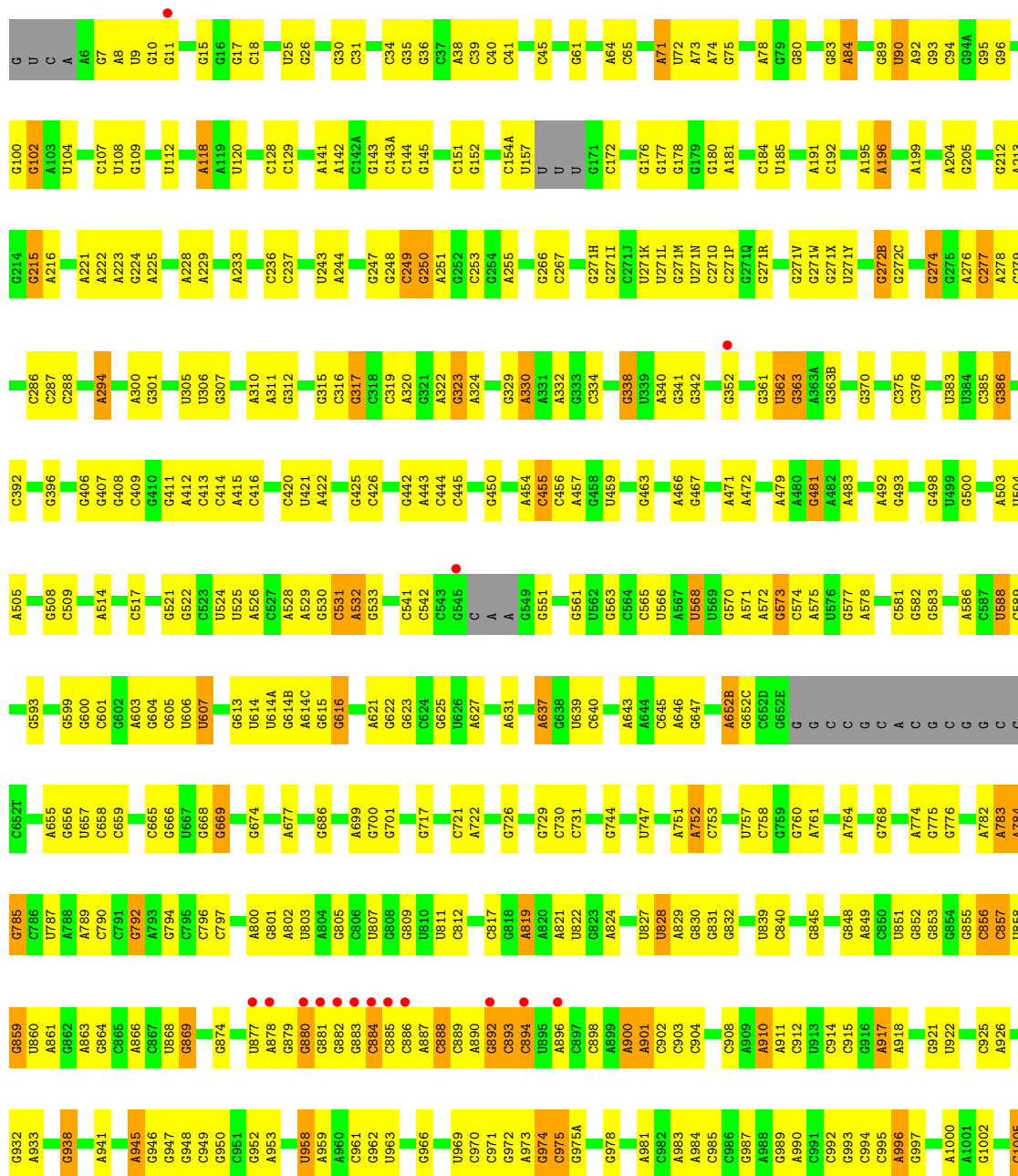
• Molecule 1: 23S ribosomal RNA



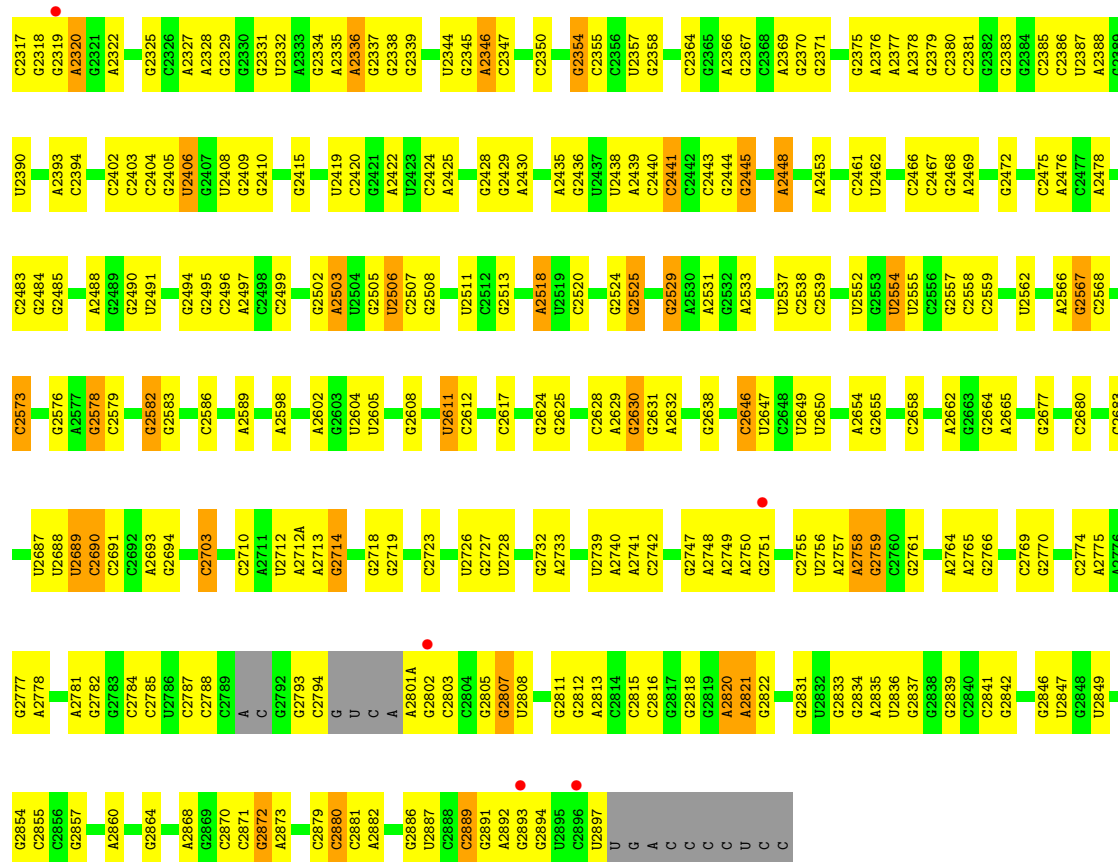




• Molecule 1: 23S ribosomal RNA

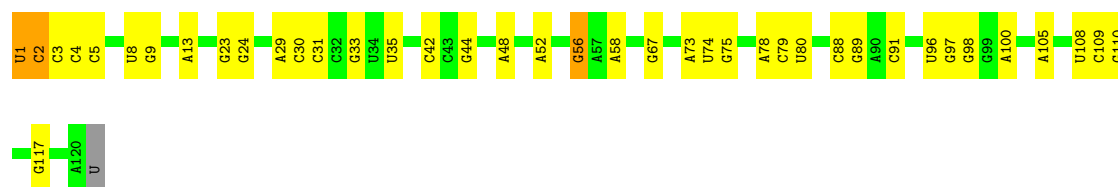


C2205	A2135	A2051	C1942	G1839	A1762	G1526	A1434	U1326	C1218	U1130	C1006
G2206	C2136	C2055	U1955	G1840	G1763	G1527	G1435	A1331	G1219	G1131	C1007
A2208	C2137	G2056	C1958	G1846	G1764	A1528	G1436	G1332	A1220	A1010	A1011
U2218	C2138	C2056	C1958	A1847	G1769	A1528A	C1437	C1333	C1221	G1136	G1012
	C2140	A2059	C1958	A1848	G1769	G1529	C1437	C1333	G1221A	G1137	A1013
A2225	C2141	A2060	C1962	G1849	G1772	C1530	G1441	G1346	C1224	G1138	C1013
U2232	C2142	G2061	U1963	G1857	A1773	C1531	G1442	U1352	G1225	G1139	G1014
U2232	C2143	A2062	G1964	G1857	C1774	C1532	A1445	A1353	A1226	G1140	A1015
U2244	U2144	C2065	A1966	G1858	U1775	G1533	A1445	A1354	U1141	U1141	G1016
G2238	C2145	C2065	A1966	G1861	U1778	U	G1448	G1354	G1229	U1142	G1017
G2239	C2146	C2066	G1967	G1861	C1640	A	G1448	G1355	G1229	A1142A	C1018
	G2147	G2067	G1968	G1865	U1779	C1536	A1449	G1356	C1230	A1142A	C1019
G2242	G2148	U2068	A1969	G1865	A1780	G1537	G1450	G1143	G1231	G1144	A1020
U2243	G2149	G2069	A1970	G1868	C1648	G1538	G1450	A1359	G1231	U	A1021
U2250	G2150	G2070	A1971	A1877	G1782	G1539	U1453	A1360	A1237	U	G1022
G2251	U2151	A2071	A1972	G1878	A1783	U1540	U1455	A1360	A1237	A1147	U1023
C2248	G2152	A2071	A1973	C1879	A1784	G1541	A1460	G1364	G1238	A1148	A1024
U2249	G2153	C1974	C1974	G1880	A1785	A1542	A1461	A1365	G1239	G1149	A1025
G2250	G2154	C1974	C1974	C1881	A1786	A1542	A1462	A1367	U1240	A1150	G1026
G2251	G2155	U2075	C1974	C1881	A1786	C1546	C1463	G1368	A1241	C1152	A1027
U2265	G2156	U2075	C1974	C1881	A1786	C1547	C1464	G1369	A1247	C1153	A1028
U2265	G2157	G1992	G1992	A1889	C1790	C1547	G1465	G1370	A1253	G1154	A1029
U2265	G2158	C2095	U1993	A1890	A1791	C1557	G1466	G1370	A1253	U	G1036
A2268	A2158	U2097	C1996	G1899	U1794	A1558	G1466	G1371	A1254	U1165	C1031
A2268	G2159	U2097	G1997	A1900	C1795	A1558	C1467	A1372	G1255	C1166	A1032
A2274	C2161	U2098	G1998	A1900	U1796	A1566	C1468	A1373	G1256	U	U1033
G2275	G2162	G2100	C1999	G1903	C1797	A1567	A1469	A1378	C1257	A	A1036
G2277	C2163	G2100	C1999	G1903	U1798	A1568	G1470	A1379	U1263	G1170	G1037
A2278	C2164	G2104	G2010	G1906	G1799	A1569	A1471	G1380	G1264	G	C1038
	G2165	C2105	U2011	U1911	U1800	U1578	A1472	A1380	A1265	A	G1039
C2283	G2166	C2106	G2012	U1912	G1801	A1579	G1473	A1385	G1266	U	C1040
C2284	U2167	C2107	A2013	A1912	A1802	A1580	C1474	G1385	U1267	G	C1041
C2285	C2168	C2108	A2014	A1913	A1803	G1581	G1482	C1386	A1268	A	C1042
A2286	A2169	U2109	A1914	C1914	G1804	C1582	G1482	C1386	A1269	C	G1043
A2287	G2170	G2110	A2019	U1915	U1805	A1583	A1486	U1394	G1270	C1178	G
A2288	U2171	C2111	A2020	A1916	U1808	C1584	G1487	A1395	C1271	C1179	C
G2289	C2173	G2112	C2021	U1917	A1809	A1586	A1490	U1396	A1272	U	A
U2291	C2174	U2113	U2022	A1918	U1809	A1587	A1490	U1273	U1273	G	A
C2290	C2175	G2115	G2023	A1919	G1812	C1588	C1493	U1405	A1278	G1184	U
C2291	G2176	G2116	C2025	G1921	G1813	G1593	C1493	U1406	A1278	C1185	C
C2292	C2177	A2117	C2025	G1922	G1814	G1593	U1497	C1407	U1292	G1186	C
C2293	C2178	U2118	A2030	U1923	A1815	A1700	U1497	C1408	U1292	G1187	A
C2295	C2179	A2031	A2031	C1924	G1816	G1595	U1503	C1409	C1293	U1888	G
U2296	U2180	G2120	G2032	U1927	G1817	G1702	U1503	G1410	C1297	A1189	C
	G2181	G2121	A2033	A1927	U1818	G1703	C1504	G1411	C1297	G1113	C
G2303	C2182	U2122	U2034	G1928	U1818	G1703	A1507	G1416	C1298	G1114	A
G2304	G2183	G2123	G2035	G1929	G1826	C1711	A1507	G1417	G1299	G1115	G
A2305	C2184	G2124	C2036	G1930	C1712	C1604	A1508	C1417	C1116	C1116	G
C2306	C2185	G2125	C2036	U1931	A1829	C1604	C1509	G1418	G1117	A1194	A
G2307	A2126	G2127	C2040	A1932	G1830	C1607	A1509A	A1419	C1118	G	G
C2308	C2127	U2041	U2041	G1933	A1722	A1608	A1509B	U1420	C1119	G1120	A
A2309	G2128	A2042	A2042	G1933	C1832	A1609	G1510	G1421	G1120	C1200	G
	G2129	C2129	C2043	A1936	U1833	A1610	C1511	C1421	C1314	U1313	U
U2312	U2130	C2044	C2044	U1937	G1746	A1610	C1511	A1427	G1319	C1200	U
C2313	G2131	U2130	C2044	A1938	U1834	G1613	C1513	G1428	C1320	U1205	G
C2314	A2198	G2132	G2048	U1939	G1836	A1614	U1514	G1429	G1124	G1209	C
C2315	G2133	U2132	G2049	U1940	C1837	A1614	U1514	C1430	C1126	A1126	U
	U2203	A2134	C2050	C1941	C1838	G1614	C1517	U1431	G1256	U1211	A



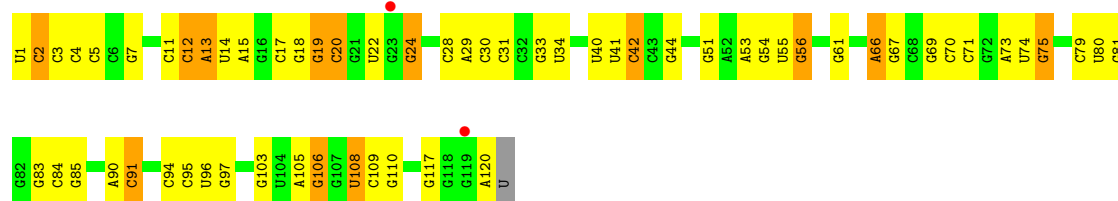
• Molecule 2: 5S ribosomal RNA

Chain 1B: 66% 31% ..



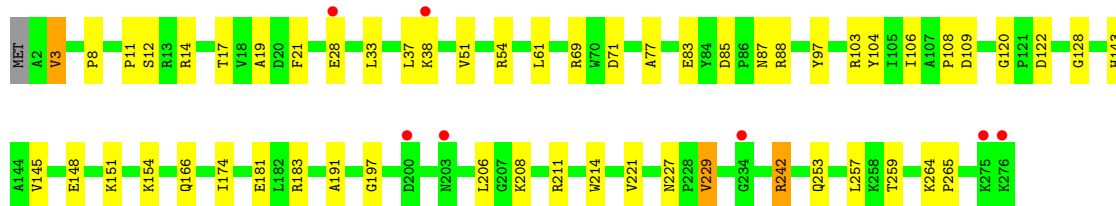
• Molecule 2: 5S ribosomal RNA

Chain 2B: 2% 49% 40% 11% .

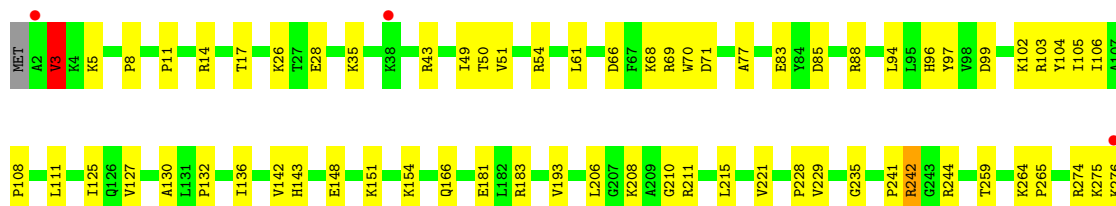
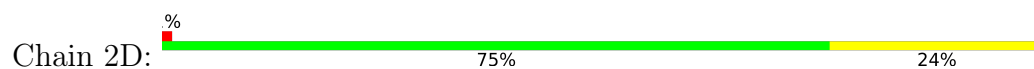


• Molecule 3: 50S ribosomal protein L2

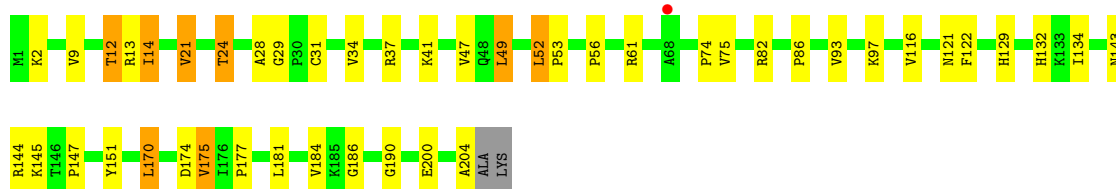
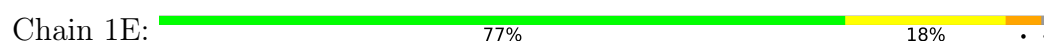
Chain 1D: 3% 80% 19% .



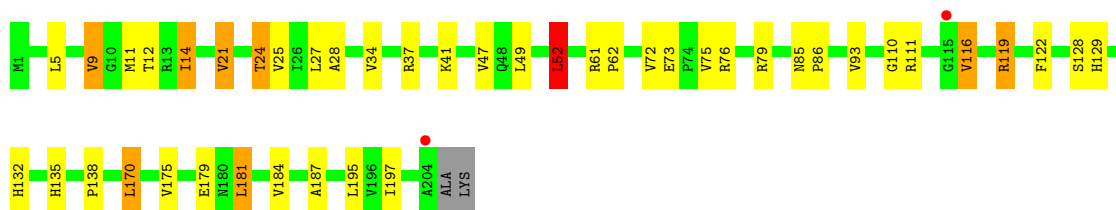
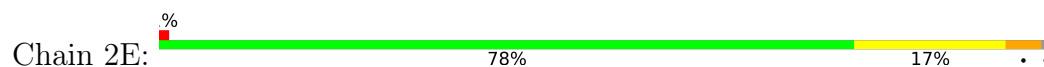
• Molecule 3: 50S ribosomal protein L2



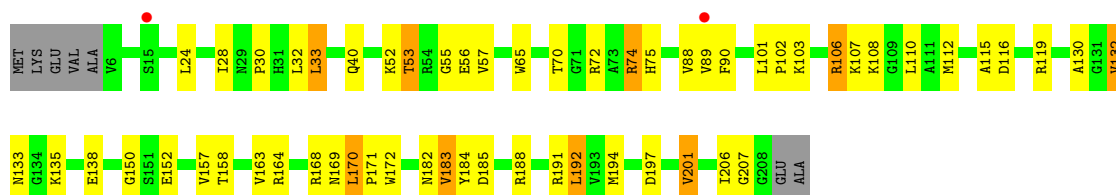
• Molecule 4: 50S ribosomal protein L3



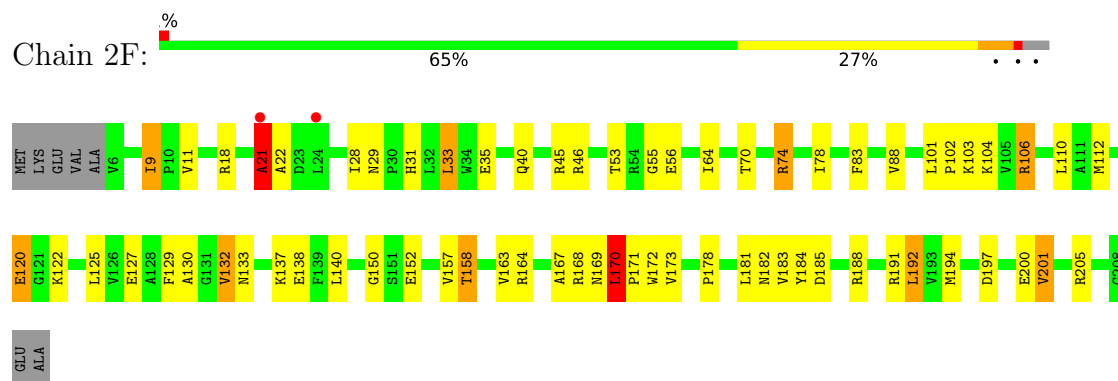
• Molecule 4: 50S ribosomal protein L3



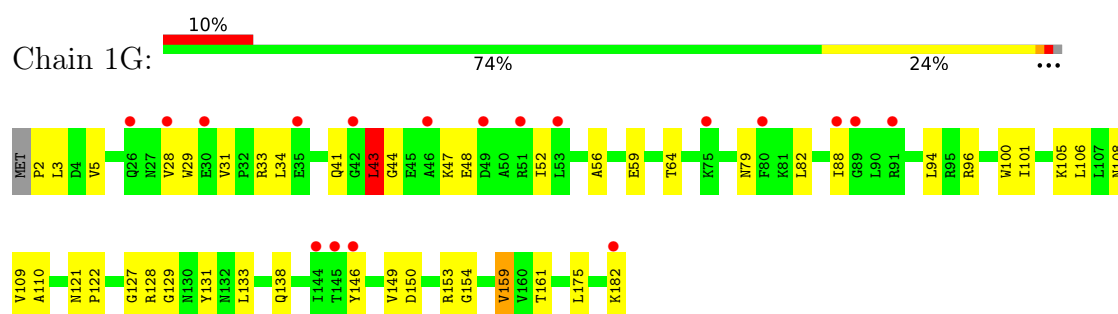
• Molecule 5: 50S ribosomal protein L4



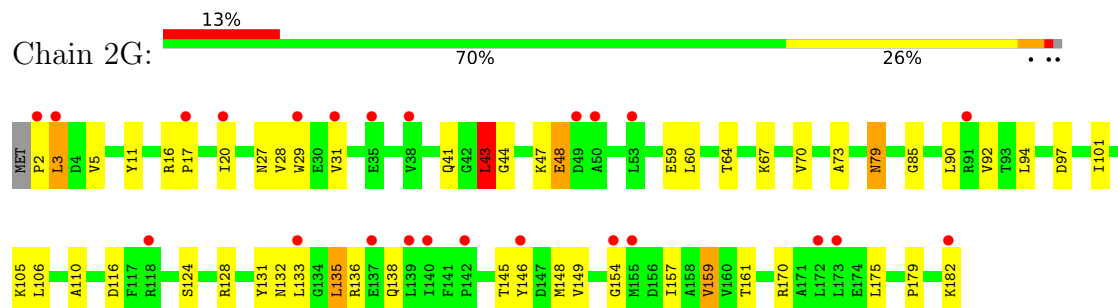
- Molecule 5: 50S ribosomal protein L4



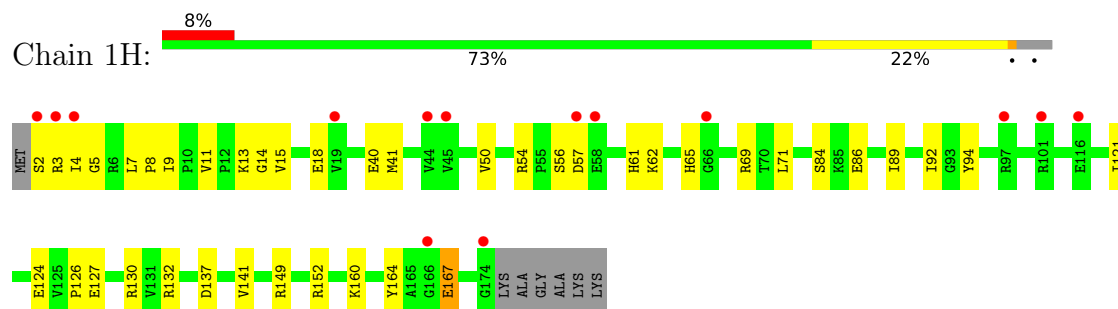
- Molecule 6: 50S ribosomal protein L5



- Molecule 6: 50S ribosomal protein L5

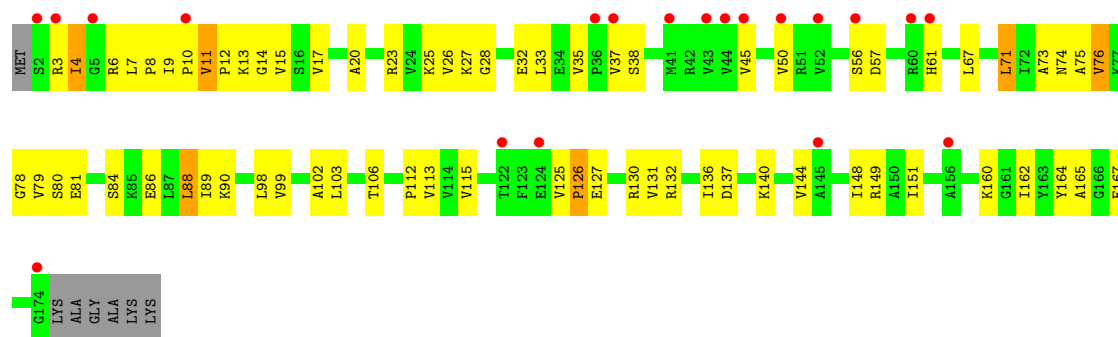


- Molecule 7: 50S ribosomal protein L6

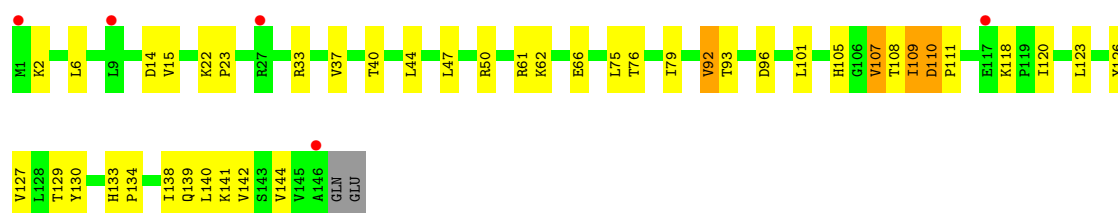


- Molecule 7: 50S ribosomal protein L6

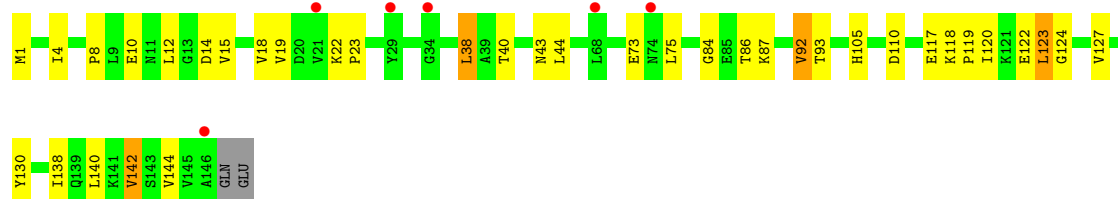
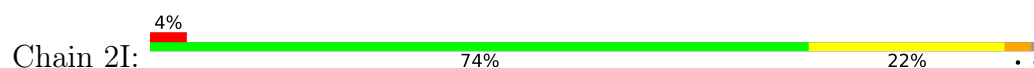




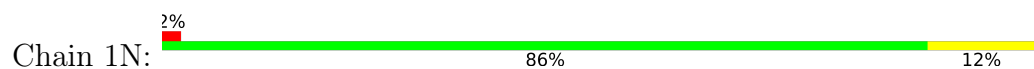
• Molecule 8: 50S ribosomal protein L9



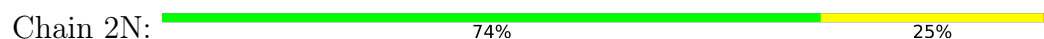
• Molecule 8: 50S ribosomal protein L9



• Molecule 9: 50S ribosomal protein L13

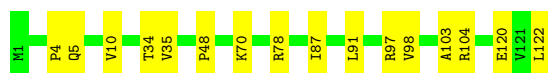


• Molecule 9: 50S ribosomal protein L13

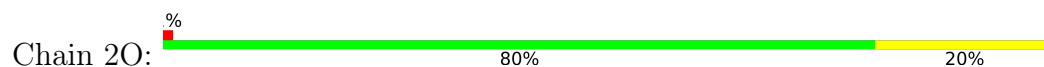


• Molecule 10: 50S ribosomal protein L14

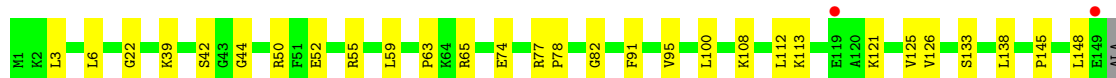
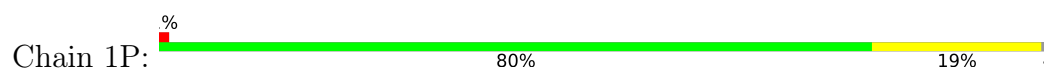




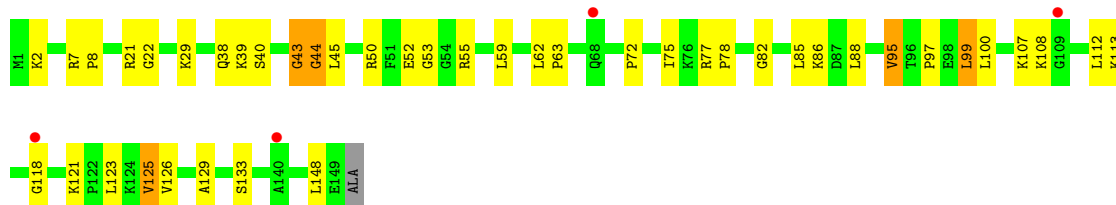
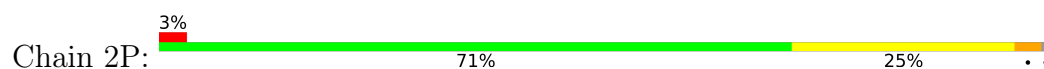
- Molecule 10: 50S ribosomal protein L14



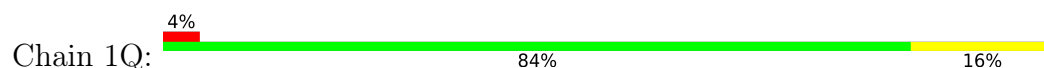
- Molecule 11: 50S ribosomal protein L15



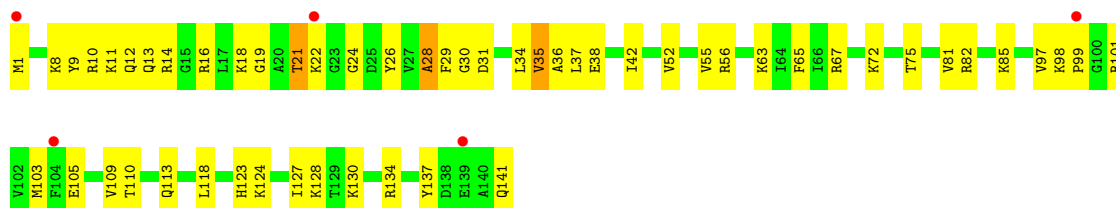
- Molecule 11: 50S ribosomal protein L15



- Molecule 12: 50S ribosomal protein L16

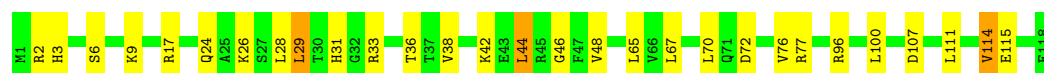


- Molecule 12: 50S ribosomal protein L16



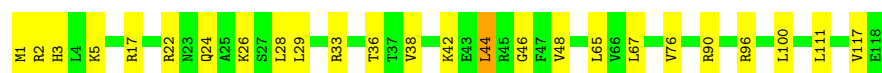
- Molecule 13: 50S ribosomal protein L17

Chain 1R:  75% 22% .



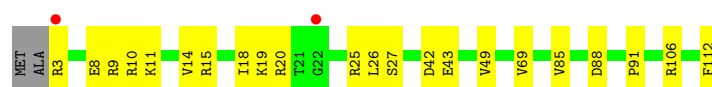
- Molecule 13: 50S ribosomal protein L17

Chain 2R:  79% 20% .



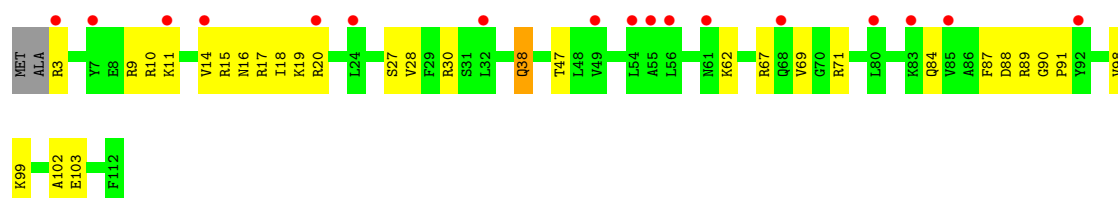
- Molecule 14: 50S ribosomal protein L18

Chain 1S:  2% 79% 20% .



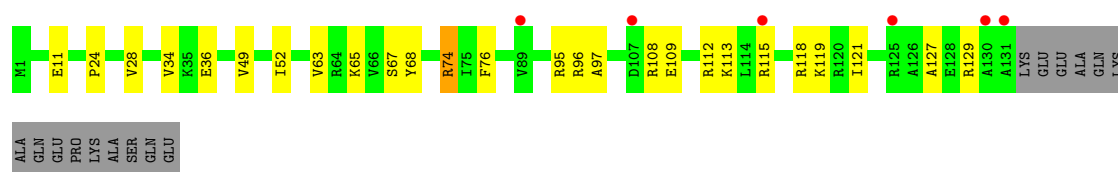
- Molecule 14: 50S ribosomal protein L18

Chain 2S:  15% 71% 26% ..



- Molecule 15: 50S ribosomal protein L19

Chain 1T:  4% 72% 17% 10% .

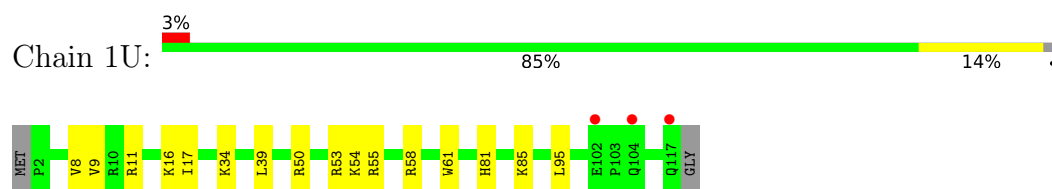


- Molecule 15: 50S ribosomal protein L19

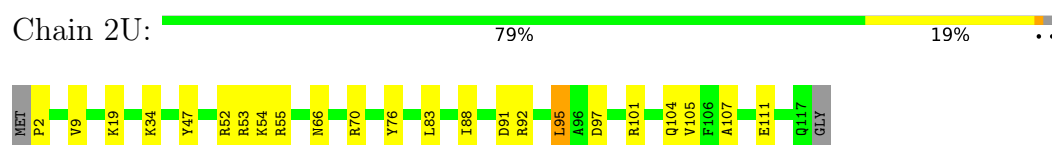
Chain 2T:  71% 19% 10%



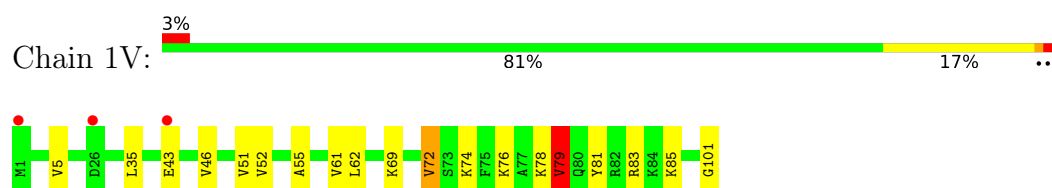
• Molecule 16: 50S ribosomal protein L20



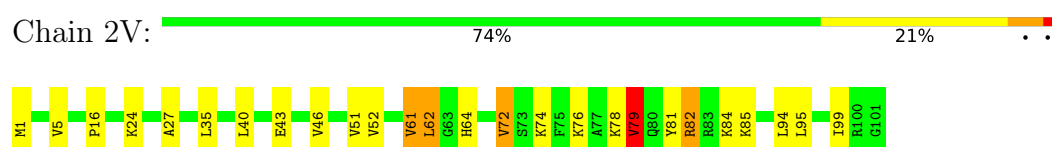
• Molecule 16: 50S ribosomal protein L20



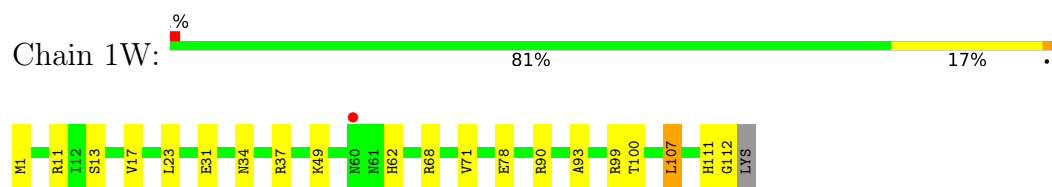
• Molecule 17: 50S ribosomal protein L21



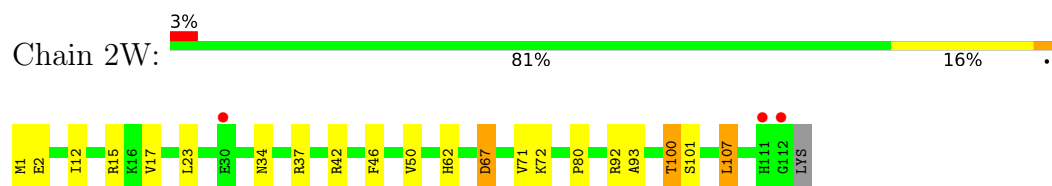
• Molecule 17: 50S ribosomal protein L21



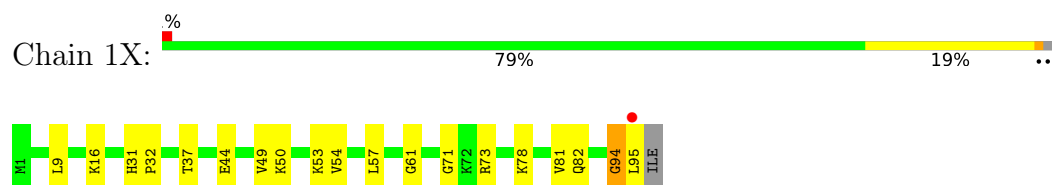
• Molecule 18: 50S ribosomal protein L22



• Molecule 18: 50S ribosomal protein L22

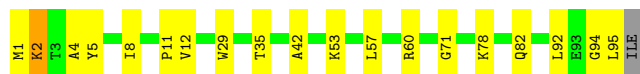


• Molecule 19: 50S ribosomal protein L23



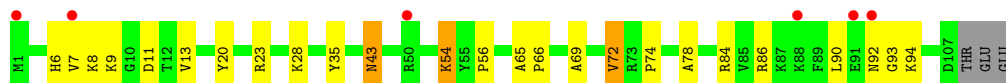
- Molecule 19: 50S ribosomal protein L23

Chain 2X:  79% 19% ..



- Molecule 20: 50S ribosomal protein L24

Chain 1Y:  5% 75% 20% ..



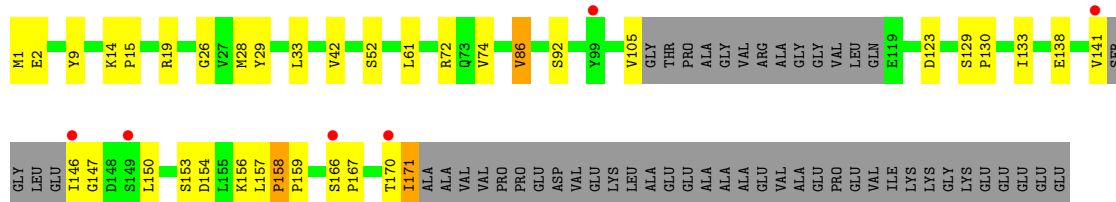
- Molecule 20: 50S ribosomal protein L24

Chain 2Y:  5% 76% 21% .

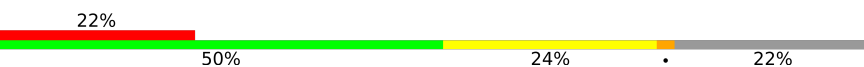


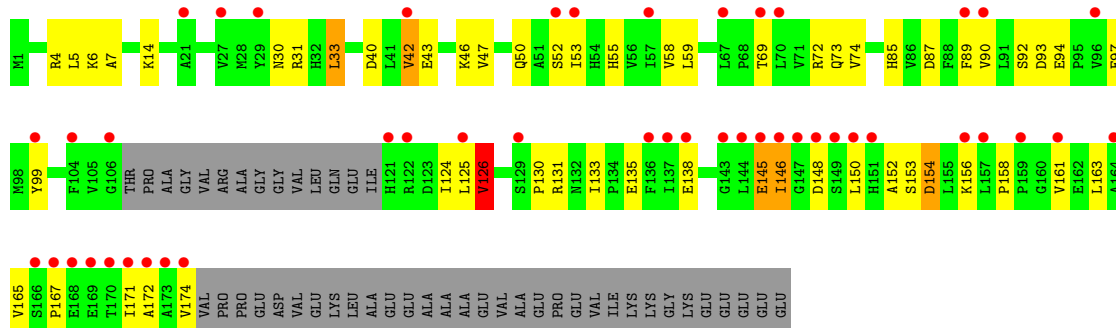
- Molecule 21: 50S ribosomal protein L25

Chain 1Z:  3% 57% 17% 25%



- Molecule 21: 50S ribosomal protein L25

Chain 2Z:  22% 50% 24% 22%

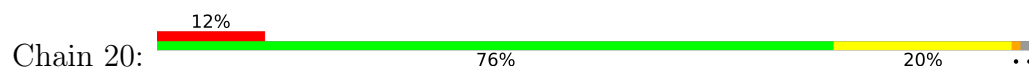


- Molecule 22: 50S ribosomal protein L27

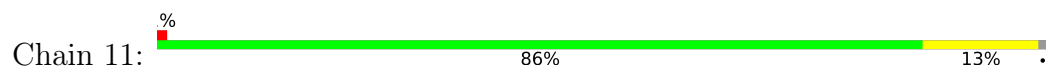
Chain 10:  2% 76% 21% .



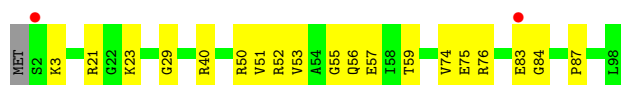
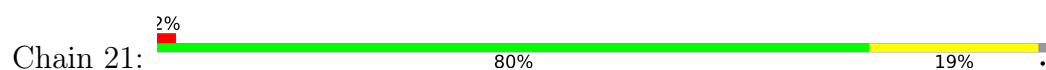
- Molecule 22: 50S ribosomal protein L27



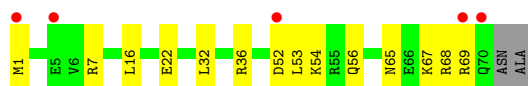
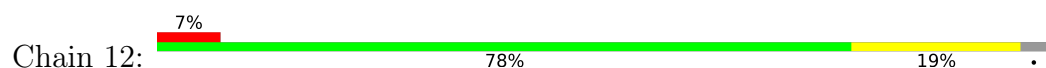
- Molecule 23: 50S ribosomal protein L28



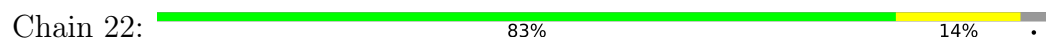
- Molecule 23: 50S ribosomal protein L28



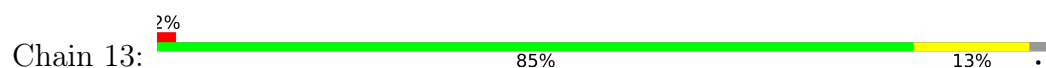
- Molecule 24: 50S ribosomal protein L29



- Molecule 24: 50S ribosomal protein L29

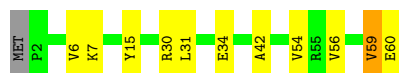


- Molecule 25: 50S ribosomal protein L30



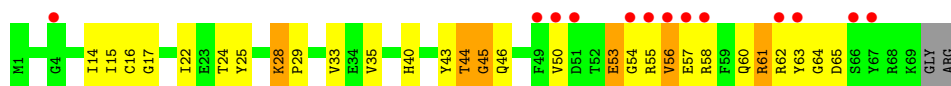
- Molecule 25: 50S ribosomal protein L30

Chain 23:  80% 17% ..



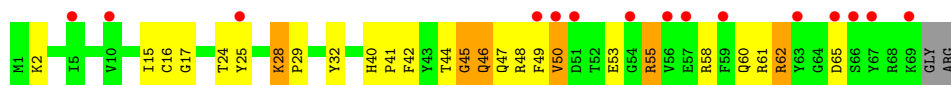
- Molecule 26: 50S ribosomal protein L31

Chain 14:  18% 56% 32% 8% .



- Molecule 26: 50S ribosomal protein L31

Chain 24:  21% 61% 28% 8% .



- Molecule 27: 50S ribosomal protein L32

Chain 15:  2% 82% 13% ..



- Molecule 27: 50S ribosomal protein L32

Chain 25:  78% 17% ..



- Molecule 28: 50S ribosomal protein L33

Chain 16:  80% 19% .

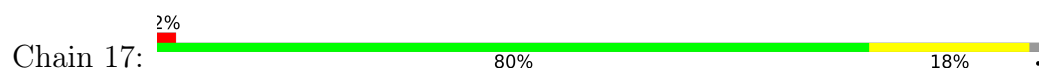


- Molecule 28: 50S ribosomal protein L33

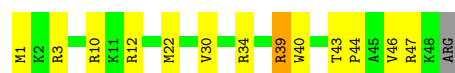
Chain 26:  2% 78% 19% ..



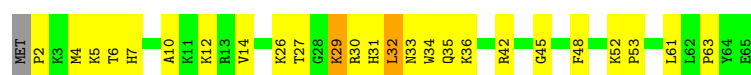
- Molecule 29: 50S ribosomal protein L34



- Molecule 29: 50S ribosomal protein L34



- Molecule 30: 50S ribosomal protein L35



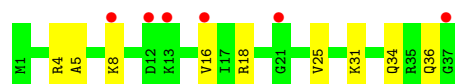
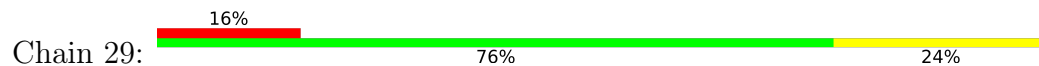
- Molecule 30: 50S ribosomal protein L35



- Molecule 31: 50S ribosomal protein L36

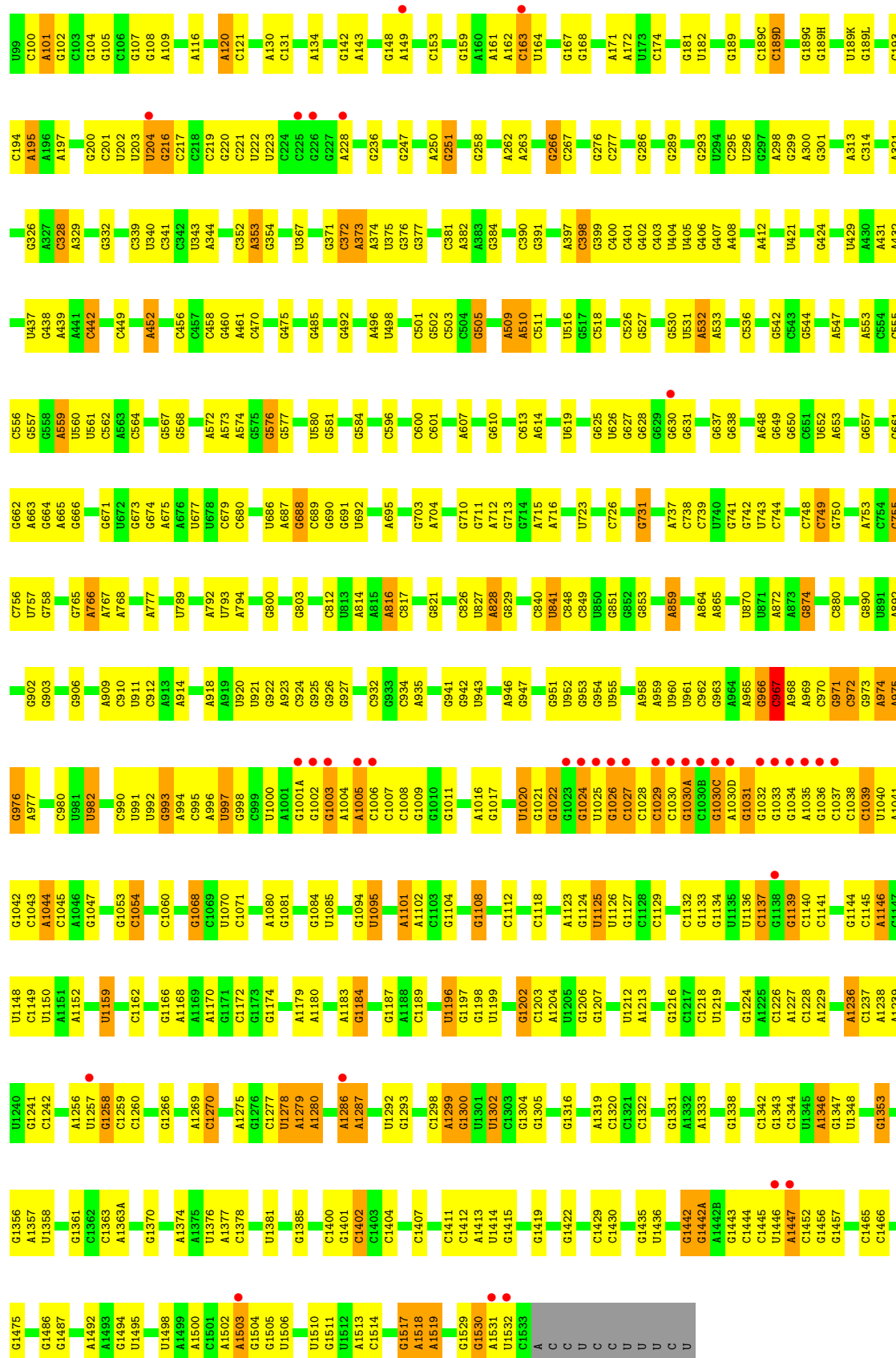


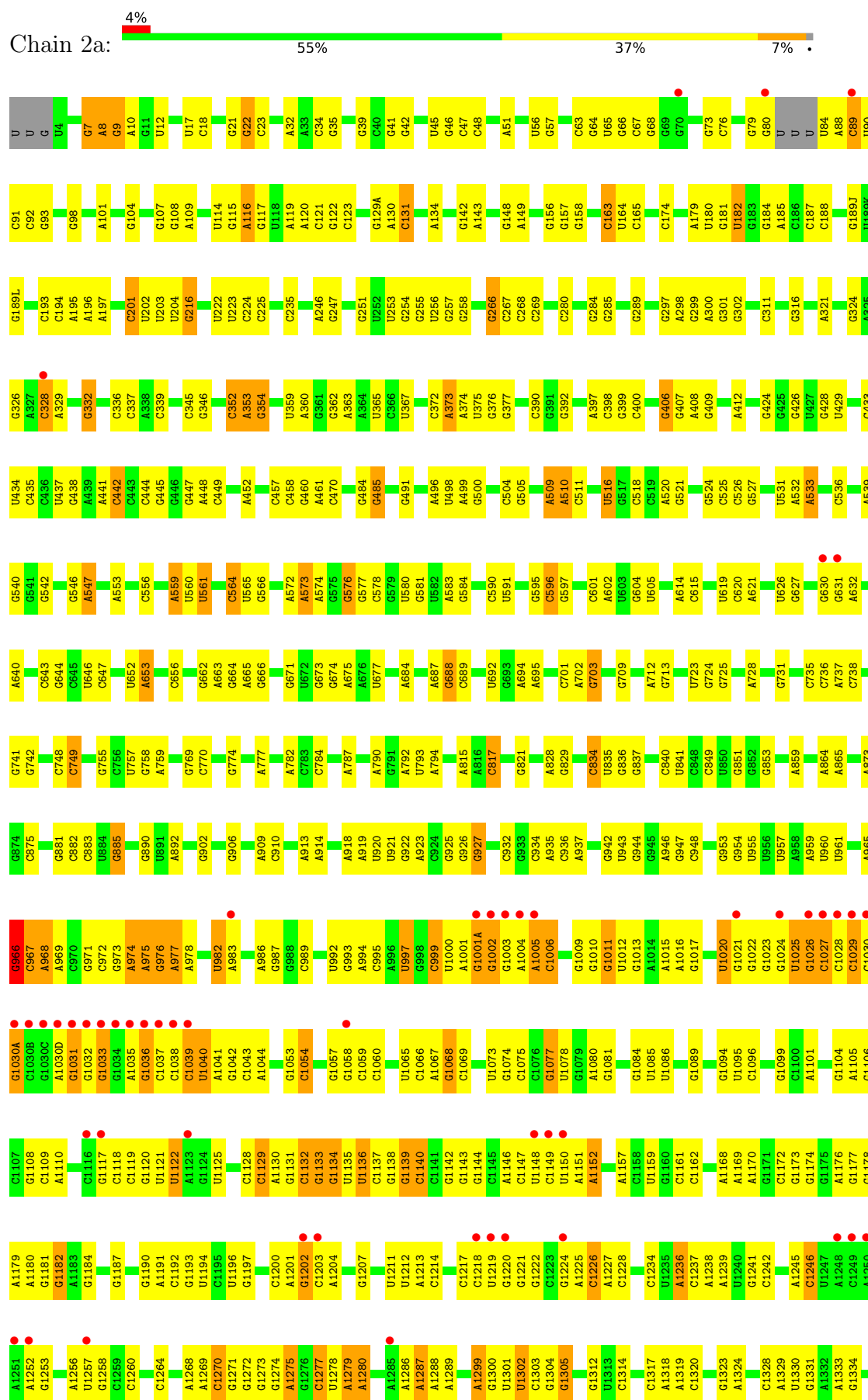
- Molecule 31: 50S ribosomal protein L36

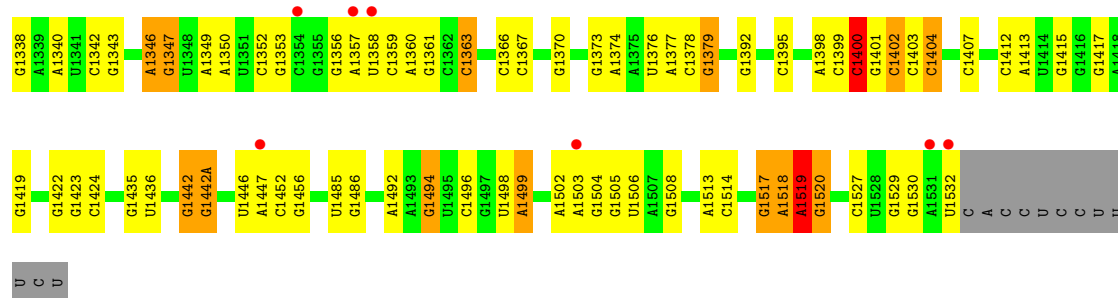


- Molecule 32: 16S ribosomal RNA

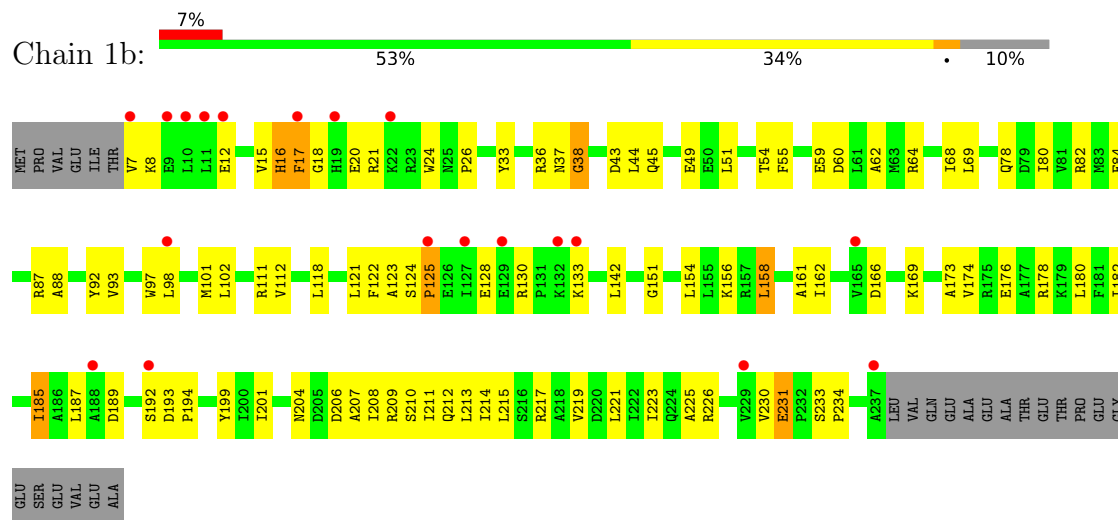




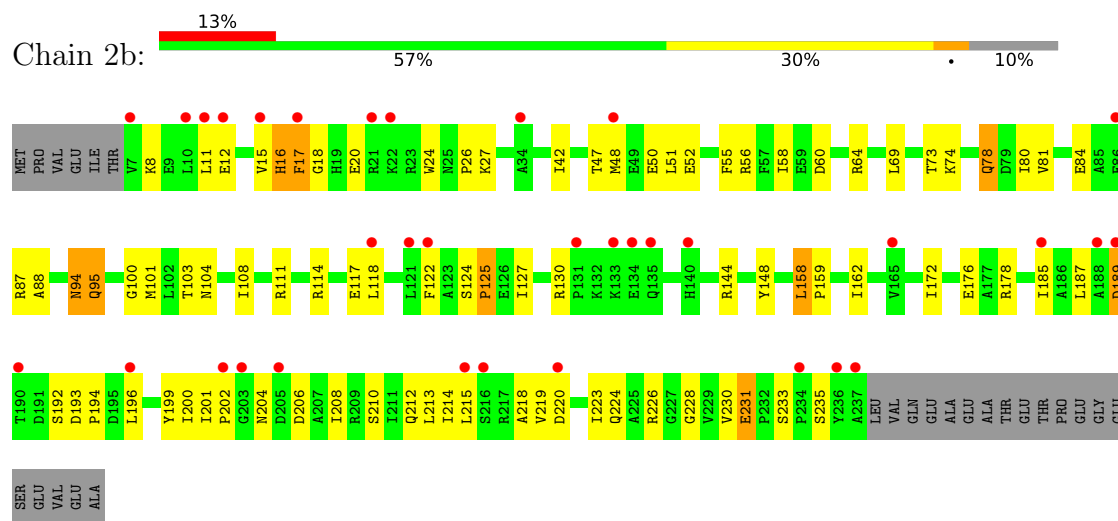




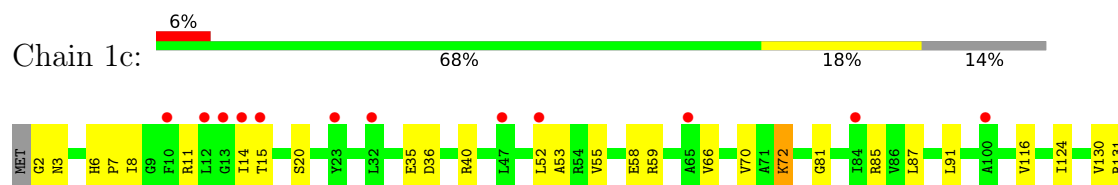
• Molecule 33: 30S ribosomal protein S2

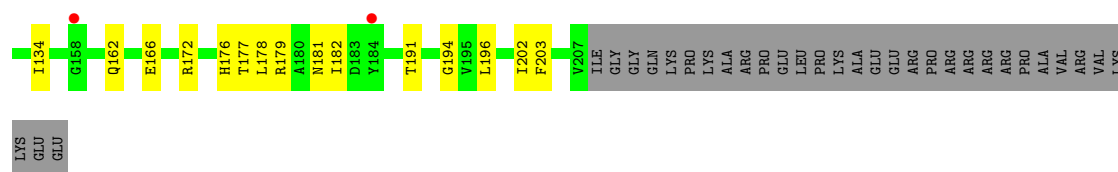


• Molecule 33: 30S ribosomal protein S2

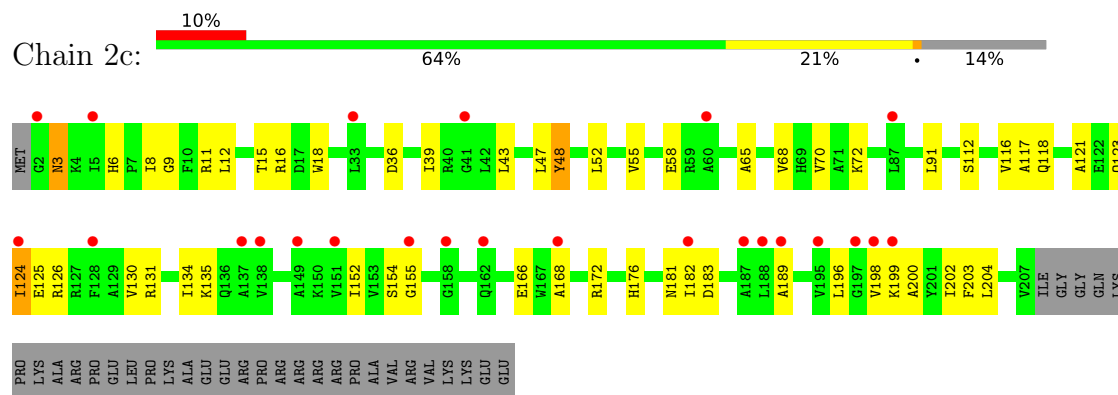


• Molecule 34: 30S ribosomal protein S3

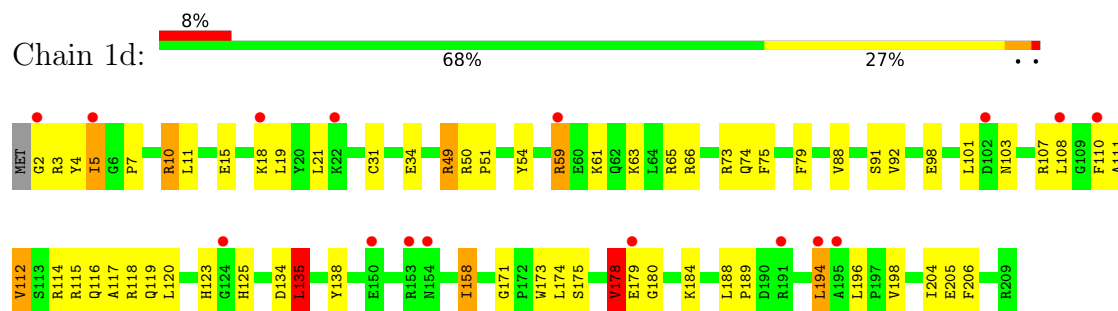




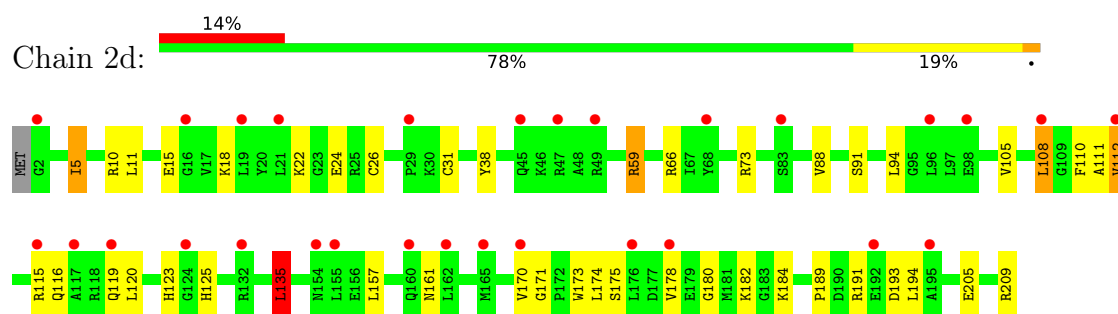
• Molecule 34: 30S ribosomal protein S3



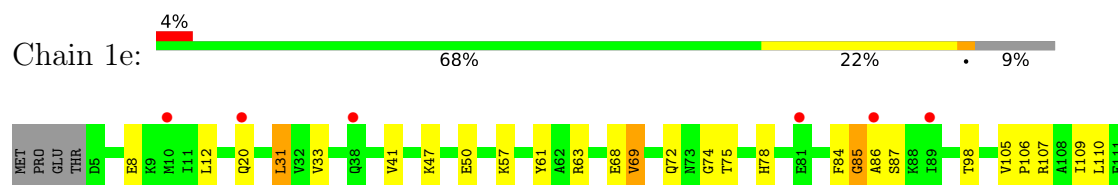
• Molecule 35: 30S ribosomal protein S4



• Molecule 35: 30S ribosomal protein S4



• Molecule 36: 30S ribosomal protein S5

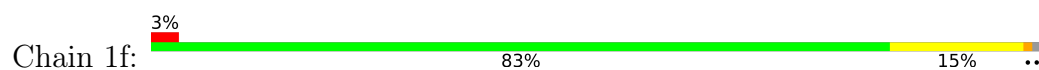




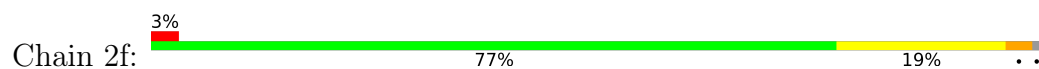
- Molecule 36: 30S ribosomal protein S5



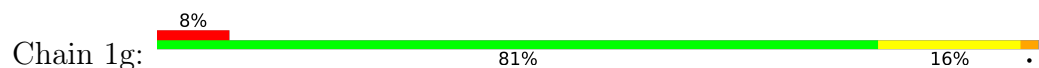
- Molecule 37: 30S ribosomal protein S6



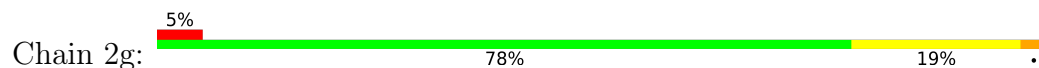
- Molecule 37: 30S ribosomal protein S6



- Molecule 38: 30S ribosomal protein S7

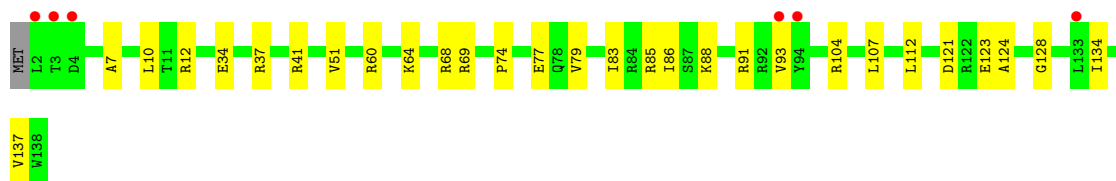
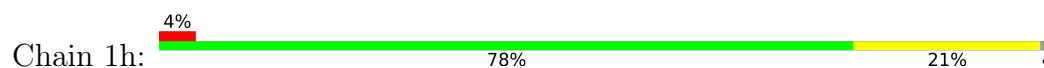


- Molecule 38: 30S ribosomal protein S7

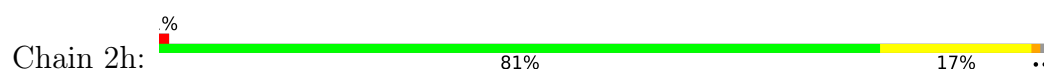




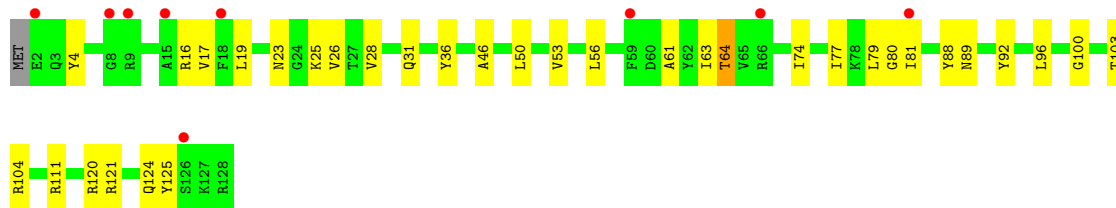
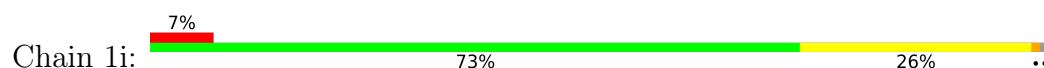
- Molecule 39: 30S ribosomal protein S8



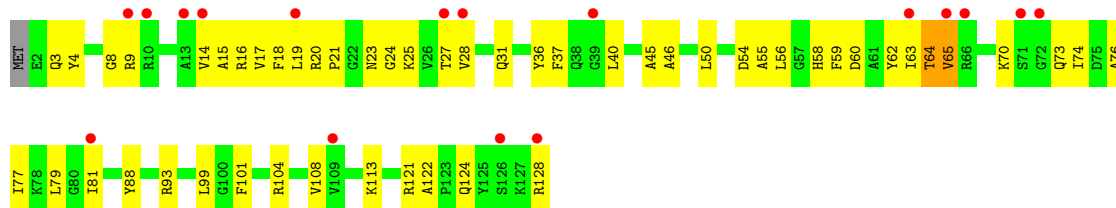
- Molecule 39: 30S ribosomal protein S8



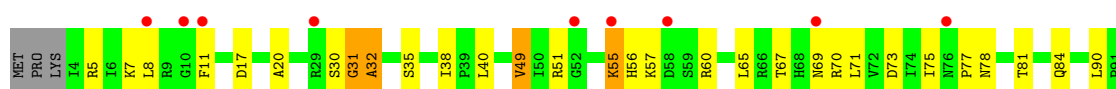
- Molecule 40: 30S ribosomal protein S9



- Molecule 40: 30S ribosomal protein S9

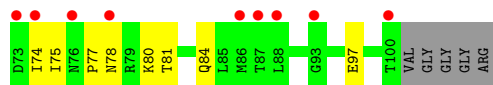
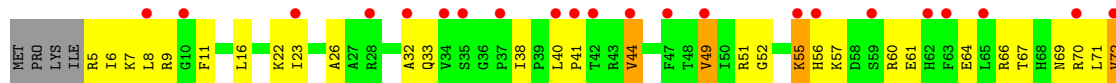


- Molecule 41: 30S ribosomal protein S10

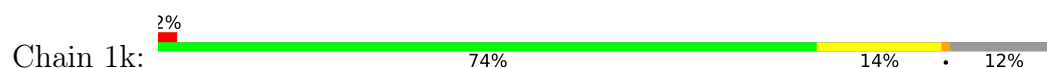




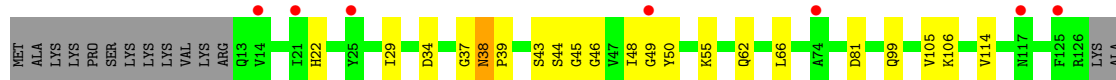
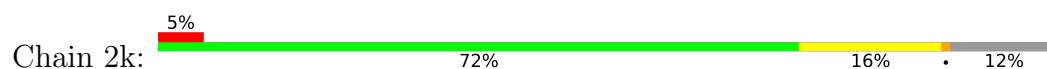
- Molecule 41: 30S ribosomal protein S10



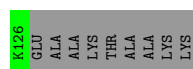
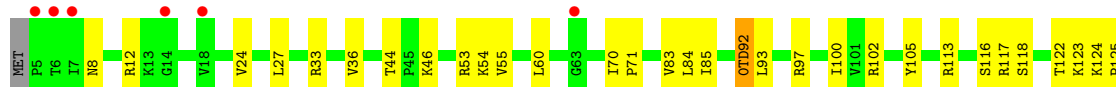
- Molecule 42: 30S ribosomal protein S11



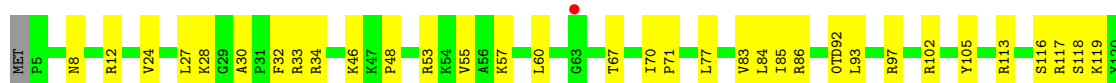
- Molecule 42: 30S ribosomal protein S11

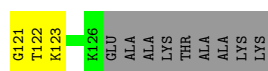


- Molecule 43: 30S ribosomal protein S12

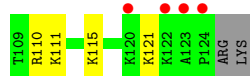
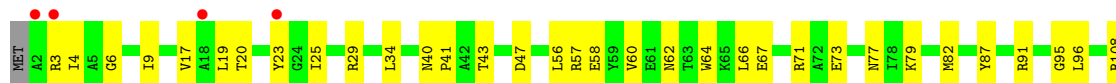
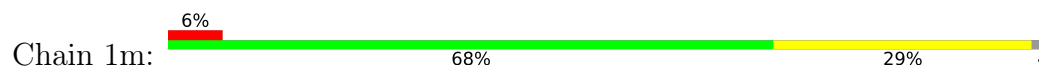


- Molecule 43: 30S ribosomal protein S12





- Molecule 44: 30S ribosomal protein S13



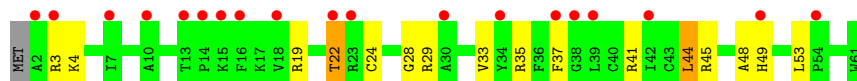
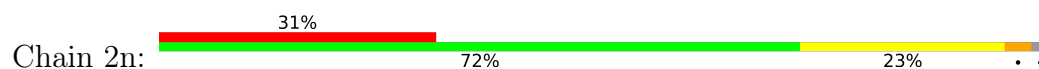
- Molecule 44: 30S ribosomal protein S13



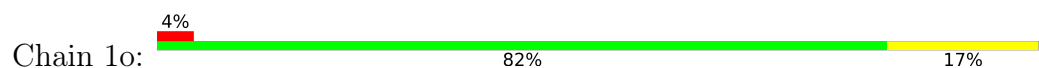
- Molecule 45: 30S ribosomal protein S14 type Z



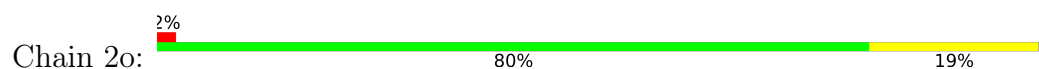
- Molecule 45: 30S ribosomal protein S14 type Z



- Molecule 46: 30S ribosomal protein S15



- Molecule 46: 30S ribosomal protein S15

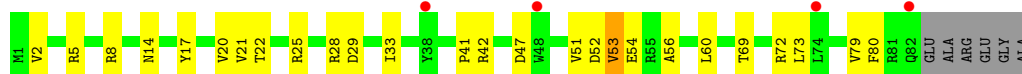




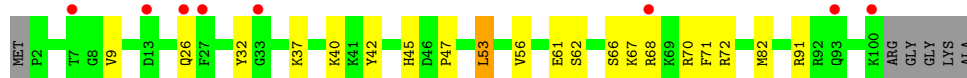
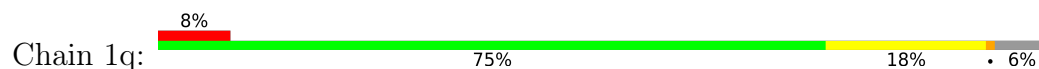
- Molecule 47: 30S ribosomal protein S16



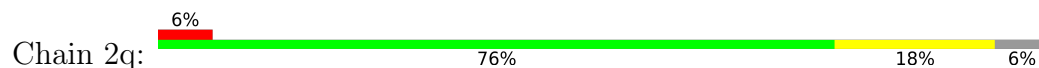
- Molecule 47: 30S ribosomal protein S16



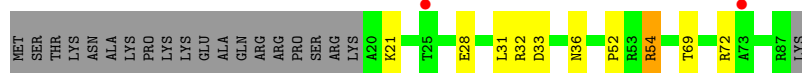
- Molecule 48: 30S ribosomal protein S17



- Molecule 48: 30S ribosomal protein S17

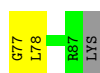


- Molecule 49: 30S ribosomal protein S18

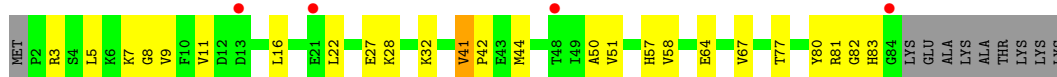


- Molecule 49: 30S ribosomal protein S18

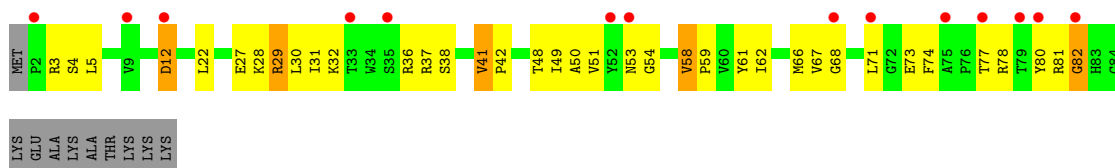




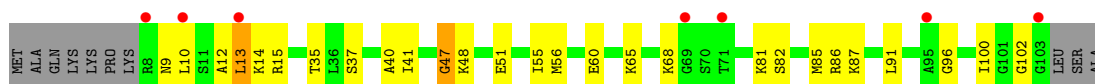
- Molecule 50: 30S ribosomal protein S19



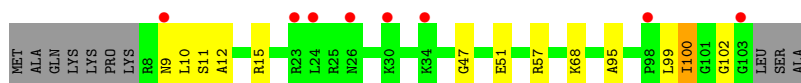
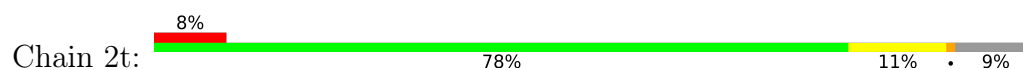
- Molecule 50: 30S ribosomal protein S19



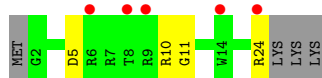
- Molecule 51: 30S ribosomal protein S20



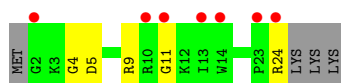
- Molecule 51: 30S ribosomal protein S20



- Molecule 52: 30S ribosomal protein Thx



- Molecule 52: 30S ribosomal protein Thx



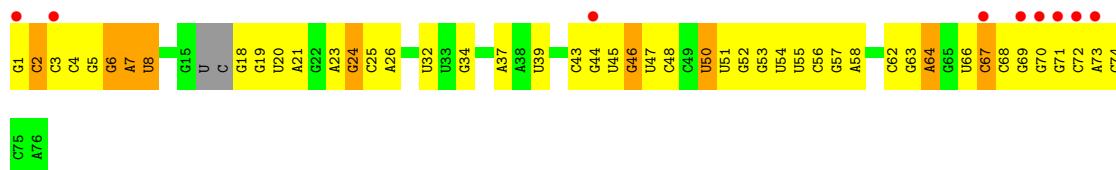
- Molecule 53: mRNA



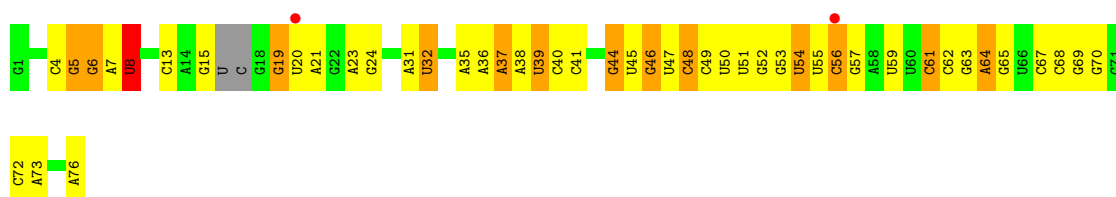
- Molecule 53: mRNA



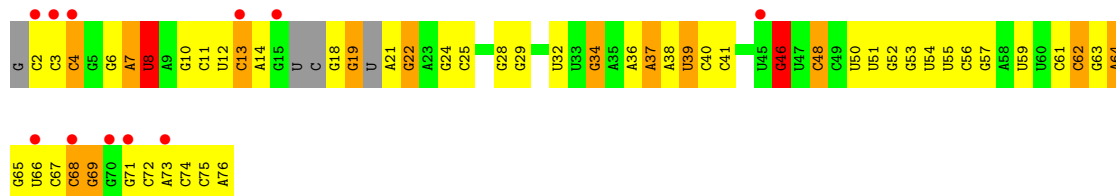
- Molecule 54: A-site and E-site tRNAs



- Molecule 54: A-site and E-site tRNAs

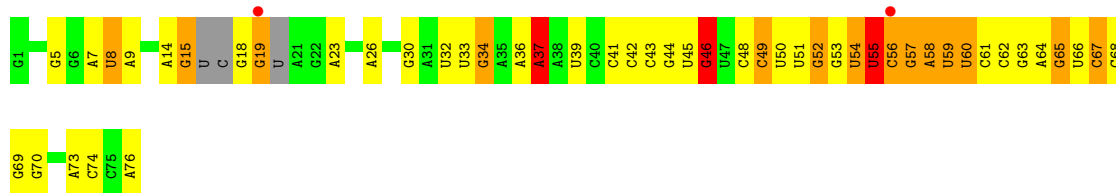


- Molecule 54: A-site and E-site tRNAs

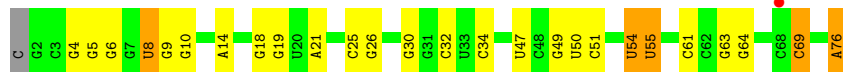


- Molecule 54: A-site and E-site tRNAs





- Molecule 55: P-site tRNA



- Molecule 55: P-site tRNA



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	208.98Å 446.99Å 621.07Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	152.65 – 2.80 152.65 – 2.80	Depositor EDS
% Data completeness (in resolution range)	98.3 (152.65-2.80) 98.3 (152.65-2.80)	Depositor EDS
R_{merge}	0.17	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.24 (at 2.82Å)	Xtriage
Refinement program	PHENIX 1.8.2	Depositor
R, R_{free}	0.219 , 0.268 0.220 , 0.267	Depositor DCC
R_{free} test set	69488 reflections (4.93%)	wwPDB-VP
Wilson B-factor (Å ²)	56.5	Xtriage
Anisotropy	0.259	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.30 , 62.5	EDS
L-test for twinning ²	$\langle L \rangle = 0.42$, $\langle L^2 \rangle = 0.24$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.92	EDS
Total number of atoms	301288	wwPDB-VP
Average B, all atoms (Å ²)	60.0	wwPDB-VP

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

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.

5 Model quality ⓘ

5.1 Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: 2MG, K, 5MU, 2MU, UR3, 0TD, 5MC, CPT, PSU, OMG, ZN, 4OC, MG, MA6, 4SU, 7MG, MIA, M2G, 2MA, SF4

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 $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	1A	0.28	0/69009	0.43	2/107712 (0.0%)
1	2A	0.22	0/67293	0.41	1/105034 (0.0%)
2	1B	0.22	0/2882	0.37	0/4494
2	2B	0.23	0/2879	0.39	0/4487
3	1D	0.49	0/2186	0.87	4/2944 (0.1%)
3	2D	0.42	0/2186	0.85	2/2944 (0.1%)
4	1E	0.48	0/1592	0.87	2/2149 (0.1%)
4	2E	0.41	0/1592	0.89	2/2149 (0.1%)
5	1F	0.47	0/1619	0.86	0/2193
5	2F	0.39	0/1615	0.91	5/2188 (0.2%)
6	1G	0.40	0/1448	0.88	5/1957 (0.3%)
6	2G	0.37	0/1453	0.93	1/1963 (0.1%)
7	1H	0.43	0/1347	0.88	5/1823 (0.3%)
7	2H	0.40	0/1347	0.95	5/1823 (0.3%)
8	1I	0.38	0/1112	0.88	4/1514 (0.3%)
8	2I	0.37	0/1079	0.85	2/1475 (0.1%)
9	1N	0.47	0/1144	0.81	0/1543
9	2N	0.37	0/1144	0.91	6/1543 (0.4%)
10	1O	0.48	0/943	0.82	0/1269
10	2O	0.39	0/943	0.78	0/1269
11	1P	0.46	0/1152	0.82	3/1533 (0.2%)
11	2P	0.37	0/1152	0.92	7/1533 (0.5%)
12	1Q	0.47	0/1143	0.77	0/1527
12	2Q	0.38	0/1143	0.85	0/1527
13	1R	0.50	0/982	0.81	0/1312
13	2R	0.41	0/982	0.78	1/1312 (0.1%)
14	1S	0.41	0/883	0.77	0/1176
14	2S	0.38	0/880	0.82	0/1172
15	1T	0.43	0/1105	0.80	0/1477
15	2T	0.38	0/1097	0.83	0/1468
16	1U	0.52	0/977	0.79	1/1301 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2U	0.39	0/977	0.81	1/1301 (0.1%)
17	1V	0.44	0/782	0.76	0/1049
17	2V	0.39	0/782	0.79	0/1049
18	1W	0.52	0/897	0.85	2/1205 (0.2%)
18	2W	0.44	0/897	0.83	0/1205
19	1X	0.48	0/764	0.86	2/1025 (0.2%)
19	2X	0.39	0/764	0.82	0/1025
20	1Y	0.45	0/819	0.83	0/1095
20	2Y	0.36	0/819	0.86	3/1095 (0.3%)
21	1Z	0.39	0/1267	0.93	10/1717 (0.6%)
21	2Z	0.41	0/1299	0.97	6/1763 (0.3%)
22	10	0.43	0/662	0.86	1/881 (0.1%)
22	20	0.37	0/662	0.90	2/881 (0.2%)
23	11	0.44	0/762	0.82	0/1014
23	21	0.38	0/762	0.80	0/1014
24	12	0.46	0/590	0.81	0/781
24	22	0.35	0/590	0.77	0/781
25	13	0.48	0/474	0.84	0/635
25	23	0.34	0/469	0.80	0/630
26	14	0.43	0/565	1.09	6/761 (0.8%)
26	24	0.43	0/545	0.96	4/737 (0.5%)
27	15	0.47	0/469	0.75	0/635
27	25	0.40	0/469	0.78	0/635
28	16	0.42	0/460	0.73	0/613
28	26	0.39	0/456	0.80	2/608 (0.3%)
29	17	0.49	0/426	0.80	2/561 (0.4%)
29	27	0.46	0/426	0.84	0/561
30	18	0.49	0/525	0.82	0/691
30	28	0.37	0/525	0.79	0/691
31	19	0.44	0/310	0.84	0/407
31	29	0.35	0/310	0.80	0/407
32	1a	0.20	0/35795	0.38	0/55864
32	2a	0.19	0/35886	0.36	0/56005
33	1b	0.38	0/1881	0.91	8/2542 (0.3%)
33	2b	0.39	0/1860	0.93	6/2518 (0.2%)
34	1c	0.36	0/1572	0.82	2/2126 (0.1%)
34	2c	0.37	0/1566	0.88	4/2119 (0.2%)
35	1d	0.38	0/1685	0.87	6/2262 (0.3%)
35	2d	0.37	0/1704	0.88	4/2284 (0.2%)
36	1e	0.42	0/1145	0.86	1/1543 (0.1%)
36	2e	0.40	0/1149	0.94	2/1548 (0.1%)
37	1f	0.38	0/823	0.78	0/1115
37	2f	0.35	0/829	0.72	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1g	0.40	0/1250	0.79	1/1679 (0.1%)
38	2g	0.36	0/1254	0.83	0/1683
39	1h	0.37	0/1108	0.82	0/1494
39	2h	0.33	0/1108	0.84	2/1494 (0.1%)
40	1i	0.39	0/1002	0.87	2/1346 (0.1%)
40	2i	0.35	0/997	0.80	0/1343
41	1j	0.37	0/722	0.92	2/982 (0.2%)
41	2j	0.37	0/727	0.98	3/988 (0.3%)
42	1k	0.40	0/844	0.82	0/1145
42	2k	0.38	0/848	0.87	2/1149 (0.2%)
43	1l	0.40	0/937	0.84	2/1260 (0.2%)
43	2l	0.37	0/937	0.93	4/1260 (0.3%)
44	1m	0.37	0/969	0.83	0/1302
44	2m	0.38	0/961	0.89	2/1291 (0.2%)
45	1n	0.38	0/501	0.90	2/664 (0.3%)
45	2n	0.34	0/501	0.83	0/664
46	1o	0.36	0/739	0.77	0/985
46	2o	0.35	0/739	0.81	0/985
47	1p	0.38	0/697	0.81	3/939 (0.3%)
47	2p	0.37	0/693	0.80	0/935
48	1q	0.36	0/836	0.80	0/1117
48	2q	0.34	0/836	0.82	0/1117
49	1r	0.38	0/560	0.83	0/746
49	2r	0.36	0/560	0.76	0/746
50	1s	0.36	0/667	0.86	0/900
50	2s	0.42	0/661	0.99	4/893 (0.4%)
51	1t	0.37	0/730	0.83	0/965
51	2t	0.36	0/729	0.83	2/965 (0.2%)
52	1u	0.32	0/203	0.72	0/266
52	2u	0.32	0/203	0.83	0/266
53	1v	0.19	0/310	0.36	0/480
53	2v	0.18	0/310	0.27	0/480
54	1w	0.27	1/1606 (0.1%)	0.43	0/2497
54	1y	0.24	1/1606 (0.1%)	0.38	0/2497
54	2w	0.27	1/1556 (0.1%)	0.39	0/2418
54	2y	0.27	0/1583	0.42	0/2459
55	1x	0.27	0/1725	0.42	0/2689
55	2x	0.25	1/1725 (0.1%)	0.38	0/2689
All	All	0.30	4/316668 (0.0%)	0.56	163/474091 (0.0%)

All (4) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
54	2w	8	4SU	O3'-P	5.27	1.61	1.56
54	1w	8	4SU	O3'-P	5.20	1.61	1.56
54	1y	8	4SU	O3'-P	5.15	1.61	1.56
55	2x	8	4SU	O3'-P	5.00	1.61	1.56

The worst 5 of 163 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	20	82	ARG	CA-C-N	8.44	128.47	119.78
22	20	82	ARG	C-N-CA	8.44	128.47	119.78
7	2H	11	VAL	CA-C-N	8.01	128.49	119.92
7	2H	11	VAL	C-N-CA	8.01	128.49	119.92
9	2N	10	GLU	CA-C-N	7.40	127.33	119.85

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61852	0	31191	642	0
1	2A	60322	0	30423	832	0
2	1B	2577	0	1305	22	0
2	2B	2575	0	1303	46	0
3	1D	2136	0	2218	47	0
3	2D	2136	0	2218	58	0
4	1E	1559	0	1618	31	0
4	2E	1559	0	1618	31	0
5	1F	1584	0	1625	42	0
5	2F	1580	0	1619	49	0
6	1G	1423	0	1436	28	0
6	2G	1428	0	1438	40	0
7	1H	1321	0	1394	23	0
7	2H	1321	0	1394	41	0
8	1I	1097	0	1140	26	0
8	2I	1064	0	1082	22	0
9	1N	1117	0	1184	13	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
9	2N	1117	0	1184	25	0
10	1O	933	0	996	13	0
10	2O	933	0	996	18	0
11	1P	1135	0	1212	23	0
11	2P	1135	0	1212	37	0
12	1Q	1122	0	1179	17	0
12	2Q	1122	0	1179	46	0
13	1R	968	0	1033	21	0
13	2R	968	0	1033	17	0
14	1S	873	0	927	18	0
14	2S	870	0	923	22	0
15	1T	1091	0	1151	19	0
15	2T	1083	0	1136	19	0
16	1U	959	0	1019	13	0
16	2U	959	0	1018	18	0
17	1V	771	0	830	11	0
17	2V	771	0	830	18	0
18	1W	886	0	940	15	0
18	2W	886	0	940	13	0
19	1X	750	0	814	12	0
19	2X	750	0	814	16	0
20	1Y	806	0	881	16	0
20	2Y	806	0	881	14	0
21	1Z	1240	0	1240	19	0
21	2Z	1271	0	1273	35	0
22	10	653	0	674	23	0
22	20	653	0	674	16	0
23	11	755	0	826	11	0
23	21	755	0	826	18	0
24	12	588	0	643	11	0
24	22	588	0	643	9	0
25	13	469	0	518	4	0
25	23	464	0	514	8	0
26	14	552	0	533	21	0
26	24	532	0	503	23	0
27	15	455	0	465	8	0
27	25	455	0	465	10	0
28	16	453	0	473	6	0
28	26	449	0	469	7	0
29	17	418	0	467	5	0
29	27	418	0	467	16	0
30	18	517	0	582	23	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
30	28	517	0	582	17	0
31	19	307	0	335	2	0
31	29	307	0	335	8	0
32	1a	32246	0	16296	404	0
32	2a	32327	0	16338	503	0
33	1b	1846	0	1867	66	0
33	2b	1825	0	1828	59	0
34	1c	1548	0	1535	28	0
34	2c	1542	0	1517	41	0
35	1d	1655	0	1672	53	0
35	2d	1674	0	1714	42	0
36	1e	1129	0	1185	25	0
36	2e	1133	0	1191	26	0
37	1f	810	0	804	12	0
37	2f	816	0	808	16	0
38	1g	1231	0	1238	19	0
38	2g	1235	0	1249	21	0
39	1h	1088	0	1126	22	0
39	2h	1088	0	1126	19	0
40	1i	983	0	986	26	0
40	2i	978	0	966	46	0
41	1j	709	0	650	25	0
41	2j	714	0	672	26	0
42	1k	829	0	825	9	0
42	2k	833	0	836	13	0
43	1l	932	0	981	19	0
43	2l	932	0	981	22	0
44	1m	958	0	1002	24	0
44	2m	950	0	988	40	0
45	1n	492	0	529	21	0
45	2n	492	0	529	19	0
46	1o	728	0	760	10	0
46	2o	728	0	760	12	0
47	1p	681	0	697	20	0
47	2p	677	0	686	24	0
48	1q	823	0	891	16	0
48	2q	823	0	891	12	0
49	1r	555	0	618	7	0
49	2r	555	0	618	16	0
50	1s	652	0	662	18	0
50	2s	646	0	644	30	0
51	1t	728	0	798	17	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
51	2t	727	0	796	7	0
52	1u	199	0	208	4	0
52	2u	199	0	208	4	0
53	1v	277	0	140	1	0
53	2v	277	0	140	3	0
54	1w	1592	0	819	31	0
54	1y	1585	0	804	39	0
54	2w	1544	0	788	48	0
54	2y	1565	0	795	46	0
55	1x	1625	0	829	15	0
55	2x	1625	0	828	30	0
56	10	7	0	0	0	0
56	11	3	0	0	0	0
56	12	2	0	0	0	0
56	13	2	0	0	0	0
56	15	4	0	0	0	0
56	16	2	0	0	0	0
56	17	4	0	0	0	0
56	18	3	0	0	0	0
56	19	2	0	0	0	0
56	1A	1254	0	0	0	0
56	1B	36	0	0	0	0
56	1D	12	0	0	0	0
56	1E	13	0	0	0	0
56	1F	10	0	0	0	0
56	1G	5	0	0	0	0
56	1H	1	0	0	0	0
56	1I	1	0	0	0	0
56	1N	7	0	0	0	0
56	1O	5	0	0	0	0
56	1P	3	0	0	0	0
56	1Q	5	0	0	0	0
56	1R	3	0	0	0	0
56	1S	3	0	0	0	0
56	1T	2	0	0	0	0
56	1U	6	0	0	0	0
56	1V	2	0	0	0	0
56	1W	6	0	0	0	0
56	1X	6	0	0	0	0
56	1Y	2	0	0	0	0
56	1Z	3	0	0	0	0
56	1a	330	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	1b	2	0	0	0	0
56	1c	2	0	0	0	0
56	1d	1	0	0	0	0
56	1e	2	0	0	0	0
56	1f	2	0	0	0	0
56	1l	4	0	0	0	0
56	1m	1	0	0	0	0
56	1n	1	0	0	0	0
56	1s	1	0	0	0	0
56	1t	1	0	0	0	0
56	1v	1	0	0	0	0
56	1w	11	0	0	0	0
56	1x	18	0	0	0	0
56	1y	5	0	0	0	0
56	20	3	0	0	0	0
56	23	3	0	0	0	0
56	25	4	0	0	0	0
56	27	1	0	0	0	0
56	28	3	0	0	0	0
56	2A	919	0	0	0	0
56	2B	21	0	0	0	0
56	2D	3	0	0	0	0
56	2E	8	0	0	0	0
56	2F	4	0	0	0	0
56	2G	1	0	0	0	0
56	2N	1	0	0	0	0
56	2O	1	0	0	0	0
56	2P	2	0	0	0	0
56	2Q	3	0	0	0	0
56	2R	2	0	0	0	0
56	2T	1	0	0	0	0
56	2U	6	0	0	0	0
56	2V	1	0	0	0	0
56	2W	4	0	0	0	0
56	2X	2	0	0	0	0
56	2Z	1	0	0	0	0
56	2a	236	0	0	0	0
56	2d	1	0	0	0	0
56	2e	1	0	0	0	0
56	2f	2	0	0	0	0
56	2g	1	0	0	0	0
56	2j	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	2l	4	0	0	0	0
56	2n	1	0	0	0	0
56	2p	1	0	0	0	0
56	2q	4	0	0	0	0
56	2r	1	0	0	0	0
56	2t	1	0	0	0	0
56	2v	6	0	0	0	0
56	2w	7	0	0	0	0
56	2x	6	0	0	0	0
56	2y	7	0	0	0	0
57	1A	8	0	0	1	0
57	1I	4	0	0	0	0
57	1a	4	0	0	1	0
57	2A	8	0	0	1	0
57	2I	4	0	0	1	0
57	2a	4	0	0	0	0
58	1A	1	0	0	0	0
58	2A	1	0	0	0	0
59	14	1	0	0	0	0
59	15	1	0	0	0	0
59	16	1	0	0	0	0
59	19	1	0	0	0	0
59	1Y	1	0	0	0	0
59	1n	1	0	0	0	0
59	24	1	0	0	0	0
59	25	1	0	0	0	0
59	26	1	0	0	0	0
59	29	1	0	0	0	0
59	2Y	1	0	0	0	0
59	2n	1	0	0	0	0
60	1d	8	0	0	0	0
60	2d	8	0	0	1	0
61	10	12	0	0	1	0
61	11	14	0	0	0	0
61	12	3	0	0	0	0
61	13	5	0	0	0	0
61	14	1	0	0	0	0
61	15	7	0	0	0	0
61	16	2	0	0	0	0
61	17	7	0	0	0	0
61	18	10	0	0	1	0
61	1A	2273	0	0	112	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
61	1B	70	0	0	2	0
61	1D	28	0	0	0	0
61	1E	27	0	0	4	0
61	1F	15	0	0	0	0
61	1G	7	0	0	0	0
61	1H	1	0	0	0	0
61	1I	1	0	0	0	0
61	1N	3	0	0	0	0
61	1O	6	0	0	0	0
61	1P	23	0	0	1	0
61	1Q	12	0	0	0	0
61	1R	15	0	0	1	0
61	1S	5	0	0	0	0
61	1T	10	0	0	1	0
61	1U	16	0	0	0	0
61	1V	11	0	0	0	0
61	1W	13	0	0	2	0
61	1X	6	0	0	0	0
61	1Y	5	0	0	0	0
61	1Z	1	0	0	0	0
61	1a	520	0	0	43	0
61	1b	1	0	0	0	0
61	1d	2	0	0	0	0
61	1e	1	0	0	0	0
61	1g	2	0	0	1	0
61	1i	1	0	0	0	0
61	1l	10	0	0	0	0
61	1m	2	0	0	0	0
61	1n	1	0	0	1	0
61	1o	2	0	0	0	0
61	1p	2	0	0	0	0
61	1q	3	0	0	0	0
61	1u	1	0	0	1	0
61	1v	5	0	0	0	0
61	1w	19	0	0	1	0
61	1x	15	0	0	0	0
61	1y	2	0	0	0	0
61	20	4	0	0	0	0
61	21	11	0	0	0	0
61	22	1	0	0	0	0
61	23	1	0	0	0	0
61	25	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
61	27	3	0	0	0	0
61	28	4	0	0	0	0
61	29	1	0	0	0	0
61	2A	1393	0	0	98	0
61	2B	28	0	0	0	0
61	2D	29	0	0	0	0
61	2E	18	0	0	0	0
61	2F	17	0	0	0	0
61	2I	4	0	0	0	0
61	2N	1	0	0	0	0
61	2O	1	0	0	0	0
61	2P	16	0	0	2	0
61	2Q	2	0	0	0	0
61	2R	2	0	0	0	0
61	2T	7	0	0	0	0
61	2U	3	0	0	0	0
61	2V	2	0	0	0	0
61	2W	4	0	0	0	0
61	2X	2	0	0	0	0
61	2Y	1	0	0	0	0
61	2Z	2	0	0	0	0
61	2a	373	0	0	27	0
61	2d	2	0	0	0	0
61	2e	2	0	0	0	0
61	2g	1	0	0	0	0
61	2i	1	0	0	0	0
61	2j	4	0	0	1	0
61	2l	6	0	0	1	0
61	2p	1	0	0	0	0
61	2q	1	0	0	0	0
61	2r	1	0	0	0	0
61	2t	4	0	0	0	0
61	2v	2	0	0	0	0
61	2w	3	0	0	0	0
61	2x	9	0	0	2	0
61	2y	20	0	0	1	0
All	All	301288	0	196660	4103	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 9.

The worst 5 of 4103 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
54:1w:6:G:H1	54:1w:67:C:N4	1.43	1.15
32:2a:1399:C:H4'	32:2a:1400:5MC:H5'	1.32	1.12
32:2a:997:U:H3	32:2a:1044:A:N6	1.49	1.10
1:2A:2138:C:N4	1:2A:2153:G:H1	1.49	1.10
54:1w:2:C:N4	54:1w:71:G:H1	1.56	1.02

There are no symmetry-related clashes.

5.3 Torsion angles ⓘ

5.3.1 Protein backbone ⓘ

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	1D	273/276 (99%)	263 (96%)	10 (4%)	0	100	100
3	2D	273/276 (99%)	263 (96%)	9 (3%)	1 (0%)	30	60
4	1E	202/206 (98%)	195 (96%)	6 (3%)	1 (0%)	24	55
4	2E	202/206 (98%)	195 (96%)	6 (3%)	1 (0%)	24	55
5	1F	201/210 (96%)	198 (98%)	2 (1%)	1 (0%)	24	55
5	2F	201/210 (96%)	195 (97%)	4 (2%)	2 (1%)	12	38
6	1G	179/182 (98%)	167 (93%)	11 (6%)	1 (1%)	21	51
6	2G	179/182 (98%)	167 (93%)	11 (6%)	1 (1%)	21	51
7	1H	171/180 (95%)	161 (94%)	8 (5%)	2 (1%)	10	34
7	2H	171/180 (95%)	162 (95%)	8 (5%)	1 (1%)	21	51
8	1I	144/148 (97%)	136 (94%)	8 (6%)	0	100	100
8	2I	144/148 (97%)	133 (92%)	10 (7%)	1 (1%)	18	47
9	1N	138/140 (99%)	134 (97%)	4 (3%)	0	100	100
9	2N	138/140 (99%)	132 (96%)	5 (4%)	1 (1%)	18	47
10	1O	120/122 (98%)	113 (94%)	7 (6%)	0	100	100
10	2O	120/122 (98%)	114 (95%)	6 (5%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	1P	147/150 (98%)	140 (95%)	7 (5%)	0	100	100
11	2P	147/150 (98%)	136 (92%)	11 (8%)	0	100	100
12	1Q	139/141 (99%)	132 (95%)	7 (5%)	0	100	100
12	2Q	139/141 (99%)	132 (95%)	6 (4%)	1 (1%)	18	47
13	1R	116/118 (98%)	110 (95%)	6 (5%)	0	100	100
13	2R	116/118 (98%)	110 (95%)	6 (5%)	0	100	100
14	1S	108/112 (96%)	106 (98%)	2 (2%)	0	100	100
14	2S	108/112 (96%)	105 (97%)	2 (2%)	1 (1%)	14	41
15	1T	129/146 (88%)	122 (95%)	7 (5%)	0	100	100
15	2T	129/146 (88%)	122 (95%)	7 (5%)	0	100	100
16	1U	114/118 (97%)	114 (100%)	0	0	100	100
16	2U	114/118 (97%)	114 (100%)	0	0	100	100
17	1V	99/101 (98%)	94 (95%)	4 (4%)	1 (1%)	12	38
17	2V	99/101 (98%)	95 (96%)	3 (3%)	1 (1%)	12	38
18	1W	110/113 (97%)	110 (100%)	0	0	100	100
18	2W	110/113 (97%)	110 (100%)	0	0	100	100
19	1X	93/96 (97%)	91 (98%)	2 (2%)	0	100	100
19	2X	93/96 (97%)	89 (96%)	3 (3%)	1 (1%)	11	36
20	1Y	105/110 (96%)	100 (95%)	3 (3%)	2 (2%)	6	22
20	2Y	105/110 (96%)	101 (96%)	3 (3%)	1 (1%)	12	38
21	1Z	148/206 (72%)	134 (90%)	14 (10%)	0	100	100
21	2Z	156/206 (76%)	139 (89%)	16 (10%)	1 (1%)	21	51
22	10	81/85 (95%)	80 (99%)	1 (1%)	0	100	100
22	20	81/85 (95%)	77 (95%)	3 (4%)	1 (1%)	10	34
23	11	95/98 (97%)	92 (97%)	3 (3%)	0	100	100
23	21	95/98 (97%)	92 (97%)	3 (3%)	0	100	100
24	12	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
24	22	68/72 (94%)	68 (100%)	0	0	100	100
25	13	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
25	23	57/60 (95%)	54 (95%)	2 (4%)	1 (2%)	6	23
26	14	67/71 (94%)	55 (82%)	7 (10%)	5 (8%)	1	2

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
26	24	67/71 (94%)	53 (79%)	8 (12%)	6 (9%)	0	1
27	15	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
27	25	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
28	16	51/54 (94%)	50 (98%)	1 (2%)	0	100	100
28	26	51/54 (94%)	51 (100%)	0	0	100	100
29	17	46/49 (94%)	45 (98%)	1 (2%)	0	100	100
29	27	46/49 (94%)	44 (96%)	1 (2%)	1 (2%)	5	19
30	18	62/65 (95%)	62 (100%)	0	0	100	100
30	28	62/65 (95%)	62 (100%)	0	0	100	100
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	35 (100%)	0	0	100	100
33	1b	229/256 (90%)	201 (88%)	20 (9%)	8 (4%)	3	10
33	2b	229/256 (90%)	202 (88%)	20 (9%)	7 (3%)	3	12
34	1c	204/239 (85%)	189 (93%)	13 (6%)	2 (1%)	12	38
34	2c	204/239 (85%)	188 (92%)	15 (7%)	1 (0%)	24	55
35	1d	206/209 (99%)	195 (95%)	10 (5%)	1 (0%)	24	55
35	2d	206/209 (99%)	198 (96%)	7 (3%)	1 (0%)	24	55
36	1e	146/162 (90%)	141 (97%)	2 (1%)	3 (2%)	5	20
36	2e	146/162 (90%)	139 (95%)	6 (4%)	1 (1%)	18	47
37	1f	98/101 (97%)	95 (97%)	3 (3%)	0	100	100
37	2f	98/101 (97%)	96 (98%)	2 (2%)	0	100	100
38	1g	153/156 (98%)	145 (95%)	6 (4%)	2 (1%)	9	31
38	2g	153/156 (98%)	142 (93%)	8 (5%)	3 (2%)	6	21
39	1h	135/138 (98%)	131 (97%)	4 (3%)	0	100	100
39	2h	135/138 (98%)	130 (96%)	4 (3%)	1 (1%)	18	47
40	1i	125/128 (98%)	114 (91%)	11 (9%)	0	100	100
40	2i	125/128 (98%)	114 (91%)	11 (9%)	0	100	100
41	1j	95/105 (90%)	82 (86%)	6 (6%)	7 (7%)	1	2
41	2j	94/105 (90%)	84 (89%)	5 (5%)	5 (5%)	1	5
42	1k	112/129 (87%)	104 (93%)	6 (5%)	2 (2%)	6	23
42	2k	112/129 (87%)	104 (93%)	7 (6%)	1 (1%)	14	41

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
43	1l	119/132 (90%)	114 (96%)	5 (4%)	0	100	100
43	2l	119/132 (90%)	112 (94%)	7 (6%)	0	100	100
44	1m	121/126 (96%)	113 (93%)	7 (6%)	1 (1%)	16	44
44	2m	120/126 (95%)	112 (93%)	7 (6%)	1 (1%)	16	44
45	1n	58/61 (95%)	55 (95%)	3 (5%)	0	100	100
45	2n	58/61 (95%)	54 (93%)	4 (7%)	0	100	100
46	1o	86/89 (97%)	83 (96%)	3 (4%)	0	100	100
46	2o	86/89 (97%)	80 (93%)	6 (7%)	0	100	100
47	1p	80/88 (91%)	75 (94%)	5 (6%)	0	100	100
47	2p	80/88 (91%)	74 (92%)	5 (6%)	1 (1%)	9	31
48	1q	97/105 (92%)	95 (98%)	2 (2%)	0	100	100
48	2q	97/105 (92%)	96 (99%)	1 (1%)	0	100	100
49	1r	66/88 (75%)	66 (100%)	0	0	100	100
49	2r	66/88 (75%)	64 (97%)	2 (3%)	0	100	100
50	1s	81/93 (87%)	73 (90%)	7 (9%)	1 (1%)	10	34
50	2s	81/93 (87%)	72 (89%)	7 (9%)	2 (2%)	4	16
51	1t	94/106 (89%)	86 (92%)	4 (4%)	4 (4%)	2	7
51	2t	94/106 (89%)	87 (93%)	3 (3%)	4 (4%)	2	7
52	1u	21/27 (78%)	20 (95%)	1 (5%)	0	100	100
52	2u	21/27 (78%)	20 (95%)	1 (5%)	0	100	100
All	All	11368/12128 (94%)	10766 (95%)	507 (4%)	95 (1%)	16	44

5 of 95 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
5	1F	130	ALA
26	14	53	GLU
26	14	61	ARG
33	1b	17	PHE
38	1g	79	ARG

5.3.2 Protein sidechains ⓘ

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar

resolution.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	1D	215/218 (99%)	208 (97%)	7 (3%)	33	69
3	2D	215/218 (99%)	209 (97%)	6 (3%)	38	73
4	1E	164/166 (99%)	151 (92%)	13 (8%)	11	35
4	2E	164/166 (99%)	150 (92%)	14 (8%)	10	31
5	1F	160/166 (96%)	149 (93%)	11 (7%)	14	41
5	2F	159/166 (96%)	147 (92%)	12 (8%)	12	37
6	1G	143/156 (92%)	137 (96%)	6 (4%)	26	61
6	2G	143/156 (92%)	134 (94%)	9 (6%)	16	45
7	1H	143/148 (97%)	138 (96%)	5 (4%)	32	67
7	2H	143/148 (97%)	139 (97%)	4 (3%)	38	73
8	1I	113/124 (91%)	105 (93%)	8 (7%)	13	39
8	2I	105/124 (85%)	100 (95%)	5 (5%)	23	56
9	1N	118/119 (99%)	115 (98%)	3 (2%)	42	76
9	2N	118/119 (99%)	114 (97%)	4 (3%)	32	68
10	1O	100/100 (100%)	98 (98%)	2 (2%)	48	80
10	2O	100/100 (100%)	98 (98%)	2 (2%)	48	80
11	1P	115/116 (99%)	113 (98%)	2 (2%)	53	83
11	2P	115/116 (99%)	112 (97%)	3 (3%)	40	75
12	1Q	111/111 (100%)	109 (98%)	2 (2%)	51	82
12	2Q	111/111 (100%)	106 (96%)	5 (4%)	24	58
13	1R	101/101 (100%)	94 (93%)	7 (7%)	14	41
13	2R	101/101 (100%)	95 (94%)	6 (6%)	18	48
14	1S	86/88 (98%)	83 (96%)	3 (4%)	32	67
14	2S	85/88 (97%)	83 (98%)	2 (2%)	43	77
15	1T	115/127 (91%)	112 (97%)	3 (3%)	40	75
15	2T	113/127 (89%)	110 (97%)	3 (3%)	39	74
16	1U	93/94 (99%)	92 (99%)	1 (1%)	65	87
16	2U	93/94 (99%)	92 (99%)	1 (1%)	65	87
17	1V	80/82 (98%)	73 (91%)	7 (9%)	9	29

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
17	2V	80/82 (98%)	73 (91%)	7 (9%)	9	29
18	1W	90/92 (98%)	87 (97%)	3 (3%)	33	69
18	2W	90/92 (98%)	85 (94%)	5 (6%)	19	50
19	1X	77/78 (99%)	77 (100%)	0	100	100
19	2X	77/78 (99%)	77 (100%)	0	100	100
20	1Y	85/91 (93%)	81 (95%)	4 (5%)	23	57
20	2Y	85/91 (93%)	83 (98%)	2 (2%)	43	77
21	1Z	135/179 (75%)	129 (96%)	6 (4%)	25	59
21	2Z	137/179 (76%)	132 (96%)	5 (4%)	31	66
22	10	65/67 (97%)	65 (100%)	0	100	100
22	20	65/67 (97%)	65 (100%)	0	100	100
23	11	80/83 (96%)	79 (99%)	1 (1%)	61	86
23	21	80/83 (96%)	79 (99%)	1 (1%)	61	86
24	12	65/67 (97%)	65 (100%)	0	100	100
24	22	65/67 (97%)	65 (100%)	0	100	100
25	13	51/52 (98%)	50 (98%)	1 (2%)	48	80
25	23	50/52 (96%)	49 (98%)	1 (2%)	48	80
26	14	59/63 (94%)	57 (97%)	2 (3%)	32	68
26	24	53/63 (84%)	52 (98%)	1 (2%)	50	81
27	15	50/52 (96%)	47 (94%)	3 (6%)	17	47
27	25	50/52 (96%)	47 (94%)	3 (6%)	17	47
28	16	51/52 (98%)	50 (98%)	1 (2%)	48	80
28	26	50/52 (96%)	49 (98%)	1 (2%)	48	80
29	17	41/42 (98%)	40 (98%)	1 (2%)	43	77
29	27	41/42 (98%)	39 (95%)	2 (5%)	22	55
30	18	54/55 (98%)	51 (94%)	3 (6%)	19	50
30	28	54/55 (98%)	51 (94%)	3 (6%)	19	50
31	19	34/34 (100%)	34 (100%)	0	100	100
31	29	34/34 (100%)	34 (100%)	0	100	100
33	1b	192/220 (87%)	188 (98%)	4 (2%)	47	79
33	2b	187/220 (85%)	182 (97%)	5 (3%)	39	74

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
34	1c	142/188 (76%)	141 (99%)	1 (1%)	76	91
34	2c	140/188 (74%)	138 (99%)	2 (1%)	59	85
35	1d	169/181 (93%)	157 (93%)	12 (7%)	13	39
35	2d	173/181 (96%)	166 (96%)	7 (4%)	28	63
36	1e	113/123 (92%)	110 (97%)	3 (3%)	39	74
36	2e	114/123 (93%)	111 (97%)	3 (3%)	40	75
37	1f	84/90 (93%)	82 (98%)	2 (2%)	43	77
37	2f	85/90 (94%)	82 (96%)	3 (4%)	32	67
38	1g	119/127 (94%)	118 (99%)	1 (1%)	73	90
38	2g	120/127 (94%)	118 (98%)	2 (2%)	53	83
39	1h	114/119 (96%)	112 (98%)	2 (2%)	51	82
39	2h	114/119 (96%)	113 (99%)	1 (1%)	70	89
40	1i	90/99 (91%)	89 (99%)	1 (1%)	65	87
40	2i	89/99 (90%)	85 (96%)	4 (4%)	24	58
41	1j	66/92 (72%)	65 (98%)	1 (2%)	57	84
41	2j	69/92 (75%)	67 (97%)	2 (3%)	37	73
42	1k	82/99 (83%)	80 (98%)	2 (2%)	43	77
42	2k	83/99 (84%)	82 (99%)	1 (1%)	63	87
43	1l	96/108 (89%)	93 (97%)	3 (3%)	35	70
43	2l	96/108 (89%)	94 (98%)	2 (2%)	47	79
44	1m	93/101 (92%)	91 (98%)	2 (2%)	45	78
44	2m	92/101 (91%)	90 (98%)	2 (2%)	45	78
45	1n	49/50 (98%)	45 (92%)	4 (8%)	10	33
45	2n	49/50 (98%)	46 (94%)	3 (6%)	17	46
46	1o	78/80 (98%)	77 (99%)	1 (1%)	61	86
46	2o	78/80 (98%)	78 (100%)	0	100	100
47	1p	69/74 (93%)	63 (91%)	6 (9%)	9	30
47	2p	68/74 (92%)	65 (96%)	3 (4%)	25	59
48	1q	94/97 (97%)	93 (99%)	1 (1%)	65	87
48	2q	94/97 (97%)	92 (98%)	2 (2%)	47	79
49	1r	59/77 (77%)	57 (97%)	2 (3%)	32	68

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
49	2r	59/77 (77%)	58 (98%)	1 (2%)	53	83
50	1s	69/80 (86%)	67 (97%)	2 (3%)	37	73
50	2s	67/80 (84%)	66 (98%)	1 (2%)	57	84
51	1t	70/82 (85%)	69 (99%)	1 (1%)	59	85
51	2t	70/82 (85%)	70 (100%)	0	100	100
52	1u	18/22 (82%)	18 (100%)	0	100	100
52	2u	18/22 (82%)	18 (100%)	0	100	100
All	All	9301/10064 (92%)	8994 (97%)	307 (3%)	33	69

5 of 307 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
16	2U	95	LEU
40	2i	27	THR
17	2V	82	ARG
30	28	14	VAL
47	2p	2	VAL

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 119 such sidechains are listed below:

Mol	Chain	Res	Type
50	1s	83	HIS
42	2k	22	HIS
12	2Q	12	GLN
40	2i	124	GLN
51	2t	75	ASN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	427 (14%)	30 (1%)
1	2A	2791/2915 (95%)	456 (16%)	22 (0%)
2	1B	120/121 (99%)	11 (9%)	1 (0%)
2	2B	118/121 (97%)	22 (18%)	0
32	1a	1497/1521 (98%)	217 (14%)	0
32	2a	1501/1521 (98%)	240 (15%)	0
53	1v	12/24 (50%)	2 (16%)	0

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Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
53	2v	12/24 (50%)	2 (16%)	0
54	1w	72/76 (94%)	21 (29%)	0
54	1y	72/76 (94%)	20 (27%)	0
54	2w	69/76 (90%)	18 (26%)	0
54	2y	70/76 (92%)	23 (32%)	0
55	1x	75/77 (97%)	12 (16%)	0
55	2x	75/77 (97%)	12 (16%)	0
All	All	9348/9620 (97%)	1483 (15%)	53 (0%)

5 of 1483 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	17	G
1	1A	34	C
1	1A	45	C
1	1A	70	A

5 of 53 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	1A	2701	U
1	2A	277	C
1	2A	2126	A
1	1A	2769	U
1	2A	228	A

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

84 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
55	4SU	1x	8	55	18,21,22	2.25	5 (27%)	25,30,33	1.53	6 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	5MC	2A	1962	1,56	19,22,23	1.59	3 (15%)	26,32,35	1.29	4 (15%)
32	M2G	2a	966	32	24,27,28	1.27	4 (16%)	33,40,43	1.91	6 (18%)
1	4OC	2A	1920	1	19,22,24	0.79	0	25,31,35	0.81	0
1	OMG	2A	2251	55,1,56	23,26,27	1.23	3 (13%)	32,38,41	2.01	7 (21%)
54	PSU	1y	55	54	18,21,22	1.39	2 (11%)	21,30,33	1.95	3 (14%)
54	5MU	1w	54	54	19,22,23	1.36	5 (26%)	27,32,35	1.97	7 (25%)
43	0TD	1l	92	43	8,9,10	4.77	2 (25%)	6,11,13	2.45	2 (33%)
1	5MU	2A	1939	1,56	19,22,23	1.31	4 (21%)	27,32,35	2.21	6 (22%)
1	PSU	1A	1939	1	18,21,22	1.39	2 (11%)	21,30,33	2.08	4 (19%)
54	PSU	1w	32	54	18,21,22	1.36	2 (11%)	21,30,33	1.87	3 (14%)
32	MA6	1a	1518	32	23,26,27	1.56	4 (17%)	33,38,41	2.25	13 (39%)
32	UR3	1a	1498	32	19,22,23	0.99	1 (5%)	26,32,35	1.84	4 (15%)
54	5MU	2w	54	54	19,22,23	1.36	4 (21%)	27,32,35	2.03	7 (25%)
32	2MG	2a	1207	56,32	23,26,27	1.22	4 (17%)	33,38,41	2.24	8 (24%)
54	PSU	1y	39	54	18,21,22	1.39	2 (11%)	21,30,33	1.84	3 (14%)
54	MIA	2w	37	54	24,27,32	2.08	5 (20%)	32,39,47	2.45	12 (37%)
1	PSU	2A	2605	1	18,21,22	1.45	3 (16%)	21,30,33	2.07	4 (19%)
32	5MC	2a	1407	56,32	19,22,23	1.61	3 (15%)	26,32,35	1.18	2 (7%)
32	7MG	2a	527	56,32	23,26,27	1.32	4 (17%)	27,39,42	2.62	6 (22%)
55	5MC	2x	32	55	19,22,23	1.59	2 (10%)	26,32,35	1.13	3 (11%)
1	5MC	2A	1942	1	19,22,23	1.71	3 (15%)	26,32,35	1.15	3 (11%)
1	5MC	1A	1964	1	19,22,23	1.52	3 (15%)	26,32,35	1.23	3 (11%)
32	MA6	1a	1519	32	23,26,27	1.54	4 (17%)	33,38,41	2.28	13 (39%)
54	PSU	1w	39	54	18,21,22	1.34	2 (11%)	21,30,33	2.15	4 (19%)
55	5MC	1x	32	55	19,22,23	1.52	3 (15%)	26,32,35	1.14	3 (11%)
1	2MA	2A	2503	1,56	22,25,26	1.44	5 (22%)	32,37,40	2.33	8 (25%)
1	OMG	1A	2263	55,1,56	23,26,27	1.21	3 (13%)	32,38,41	2.01	6 (18%)
54	MIA	2y	37	54	21,24,32	1.65	4 (19%)	30,35,47	2.07	8 (26%)
1	5MU	1A	1937	1	19,22,23	1.42	5 (26%)	27,32,35	2.19	7 (25%)
43	0TD	2l	92	43	8,9,10	4.65	1 (12%)	6,11,13	4.44	3 (50%)
54	7MG	1y	46	54	23,26,27	1.39	3 (13%)	27,39,42	2.70	6 (22%)
1	2MA	1A	2515	1,56	22,25,26	1.41	5 (22%)	32,37,40	2.34	9 (28%)
32	PSU	1a	516	32	18,21,22	1.40	3 (16%)	21,30,33	2.11	5 (23%)
1	2MU	2A	2552	1,56	19,22,24	1.29	2 (10%)	25,31,36	1.72	6 (24%)
32	5MC	2a	967	32	19,22,23	1.76	3 (15%)	26,32,35	1.12	2 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	5MC	1a	1407	32	19,22,23	1.41	3 (15%)	26,32,35	1.15	2 (7%)
1	5MU	2A	1915	1	19,22,23	1.44	6 (31%)	27,32,35	2.06	5 (18%)
32	7MG	1a	527	32	23,26,27	1.37	3 (13%)	27,39,42	2.54	7 (25%)
1	2MU	1A	2564	1,56	19,22,24	1.30	3 (15%)	25,31,36	1.99	6 (24%)
32	4OC	1a	1402	32	20,23,24	0.75	0	25,32,35	1.12	2 (8%)
54	PSU	2y	55	54	18,21,22	1.37	2 (11%)	21,30,33	1.99	4 (19%)
54	4SU	2y	8	54	18,21,22	1.78	4 (22%)	25,30,33	2.51	5 (20%)
1	4OC	1A	1942	1	19,22,24	0.82	0	25,31,35	0.93	0
55	4SU	2x	8	55,56	18,21,22	2.07	5 (27%)	25,30,33	1.73	6 (24%)
54	PSU	2w	39	54	18,21,22	1.44	2 (11%)	21,30,33	1.70	4 (19%)
32	2MG	1a	1207	32	23,26,27	1.26	2 (8%)	33,38,41	2.25	9 (27%)
32	5MC	1a	1404	32	19,22,23	1.71	3 (15%)	26,32,35	1.21	3 (11%)
54	4SU	2w	8	54	18,21,22	1.69	4 (22%)	25,30,33	2.51	6 (24%)
54	MIA	1w	37	54	28,31,32	2.38	7 (25%)	38,44,47	2.58	13 (34%)
32	UR3	2a	1498	32	19,22,23	1.05	1 (5%)	26,32,35	1.78	3 (11%)
32	4OC	2a	1402	32	20,23,24	0.76	0	25,32,35	1.11	2 (8%)
1	PSU	2A	1911	1	18,21,22	1.37	2 (11%)	21,30,33	2.05	4 (19%)
54	7MG	2y	46	54	23,26,27	1.37	3 (13%)	27,39,42	2.72	6 (22%)
1	PSU	1A	1933	1	18,21,22	1.36	2 (11%)	21,30,33	2.01	4 (19%)
32	5MC	1a	1400	32	19,22,23	1.53	3 (15%)	26,32,35	1.17	3 (11%)
55	PSU	2x	55	55	18,21,22	1.34	2 (11%)	21,30,33	2.04	4 (19%)
32	MA6	2a	1519	32	23,26,27	1.54	4 (17%)	33,38,41	2.23	13 (39%)
32	PSU	2a	516	32	18,21,22	1.35	2 (11%)	21,30,33	1.95	5 (23%)
54	4SU	1w	8	54	18,21,22	1.87	5 (27%)	25,30,33	2.11	4 (16%)
54	PSU	2w	32	54	18,21,22	1.36	3 (16%)	21,30,33	1.89	4 (19%)
32	5MC	1a	967	32	19,22,23	1.50	3 (15%)	26,32,35	1.24	4 (15%)
55	PSU	1x	55	55,56	18,21,22	1.34	2 (11%)	21,30,33	1.91	3 (14%)
1	PSU	2A	1917	1	18,21,22	1.35	2 (11%)	21,30,33	2.04	4 (19%)
1	5MC	1A	1984	1	19,22,23	1.56	3 (15%)	26,32,35	1.08	2 (7%)
54	PSU	2y	39	54	18,21,22	1.37	2 (11%)	21,30,33	1.80	3 (14%)
54	MIA	1y	37	54	21,24,32	1.60	3 (14%)	30,35,47	2.06	9 (30%)
54	4SU	1y	8	54	18,21,22	1.71	4 (22%)	25,30,33	1.87	5 (20%)
54	7MG	2w	46	54	23,26,27	1.33	3 (13%)	27,39,42	2.63	7 (25%)
54	5MU	2y	54	54	19,22,23	1.44	4 (21%)	27,32,35	2.23	7 (25%)
55	5MU	1x	54	55	19,22,23	1.43	6 (31%)	27,32,35	1.96	7 (25%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	PSU	1A	2617	1,56	18,21,22	1.44	4 (22%)	21,30,33	2.09	5 (23%)
54	PSU	1w	55	54	18,21,22	1.41	2 (11%)	21,30,33	2.02	4 (19%)
32	5MC	2a	1400	32	19,22,23	1.60	3 (15%)	26,32,35	1.12	2 (7%)
32	MA6	2a	1518	32	23,26,27	1.59	3 (13%)	33,38,41	2.31	12 (36%)
32	M2G	1a	966	32	24,27,28	1.31	3 (12%)	33,40,43	1.90	6 (18%)
54	PSU	2y	32	54	18,21,22	1.35	2 (11%)	21,30,33	1.93	3 (14%)
54	7MG	1w	46	54	23,26,27	1.35	3 (13%)	27,39,42	2.54	6 (22%)
54	5MU	1y	54	54	19,22,23	1.59	5 (26%)	27,32,35	1.86	7 (25%)
55	5MU	2x	54	55	19,22,23	1.36	4 (21%)	27,32,35	2.23	6 (22%)
1	5MU	1A	1961	1,56	19,22,23	1.36	4 (21%)	27,32,35	2.18	6 (22%)
32	5MC	2a	1404	32	19,22,23	1.74	3 (15%)	26,32,35	1.19	2 (7%)
54	PSU	1y	32	54	18,21,22	1.32	2 (11%)	21,30,33	1.92	3 (14%)
54	PSU	2w	55	54	18,21,22	1.40	2 (11%)	21,30,33	2.07	3 (14%)

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
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
1	5MC	2A	1962	1,56	-	0/7/25/26	0/2/2/2
32	M2G	2a	966	32	-	0/11/29/30	0/3/3/3
1	4OC	2A	1920	1	-	0/9/27/30	0/2/2/2
1	OMG	2A	2251	55,1,56	-	0/9/27/28	0/3/3/3
54	PSU	1y	55	54	-	0/7/25/26	0/2/2/2
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
43	0TD	1l	92	43	-	2/7/12/14	-
1	5MU	2A	1939	1,56	-	0/7/25/26	0/2/2/2
1	PSU	1A	1939	1	-	0/7/25/26	0/2/2/2
54	PSU	1w	32	54	-	0/7/25/26	0/2/2/2
32	MA6	1a	1518	32	-	1/11/29/30	0/3/3/3
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	56,32	-	0/9/27/28	0/3/3/3
54	PSU	1y	39	54	-	0/7/25/26	0/2/2/2
54	MIA	2w	37	54	-	2/11/29/34	0/3/3/3
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	56,32	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	7MG	2a	527	56,32	-	3/7/37/38	0/3/3/3
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
1	5MC	1A	1964	1	-	0/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	3/11/29/30	0/3/3/3
54	PSU	1w	39	54	-	0/7/25/26	0/2/2/2
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	1,56	-	0/7/25/26	0/3/3/3
1	OMG	1A	2263	55,1,56	-	0/9/27/28	0/3/3/3
54	MIA	2y	37	54	-	2/7/25/34	0/3/3/3
1	5MU	1A	1937	1	-	1/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	2/7/12/14	-
54	7MG	1y	46	54	-	4/7/37/38	0/3/3/3
1	2MA	1A	2515	1,56	-	1/7/25/26	0/3/3/3
32	PSU	1a	516	32	-	0/7/25/26	0/2/2/2
1	2MU	2A	2552	1,56	-	1/9/27/28	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	0/7/25/26	0/2/2/2
32	7MG	1a	527	32	-	3/7/37/38	0/3/3/3
1	2MU	1A	2564	1,56	-	0/9/27/28	0/2/2/2
32	4OC	1a	1402	32	-	1/9/29/30	0/2/2/2
54	PSU	2y	55	54	-	3/7/25/26	0/2/2/2
54	4SU	2y	8	54	-	0/7/25/26	0/2/2/2
1	4OC	1A	1942	1	-	0/9/27/30	0/2/2/2
55	4SU	2x	8	55,56	-	0/7/25/26	0/2/2/2
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	0/9/27/28	0/3/3/3
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
54	4SU	2w	8	54	-	0/7/25/26	0/2/2/2
54	MIA	1w	37	54	-	1/15/33/34	0/3/3/3
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
32	4OC	2a	1402	32	-	2/9/29/30	0/2/2/2
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
54	7MG	2y	46	54	-	3/7/37/38	0/3/3/3
1	PSU	1A	1933	1	-	0/7/25/26	0/2/2/2
32	5MC	1a	1400	32	-	0/7/25/26	0/2/2/2
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
32	MA6	2a	1519	32	-	4/11/29/30	0/3/3/3
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
54	PSU	2w	32	54	-	0/7/25/26	0/2/2/2
32	5MC	1a	967	32	-	2/7/25/26	0/2/2/2
55	PSU	1x	55	55,56	-	0/7/25/26	0/2/2/2
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
1	5MC	1A	1984	1	-	0/7/25/26	0/2/2/2
54	PSU	2y	39	54	-	0/7/25/26	0/2/2/2
54	MIA	1y	37	54	-	0/7/25/34	0/3/3/3
54	4SU	1y	8	54	-	4/7/25/26	0/2/2/2
54	7MG	2w	46	54	-	4/7/37/38	0/3/3/3
54	5MU	2y	54	54	-	2/7/25/26	0/2/2/2
55	5MU	1x	54	55	-	0/7/25/26	0/2/2/2
1	PSU	1A	2617	1,56	-	0/7/25/26	0/2/2/2
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
32	5MC	2a	1400	32	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	3/11/29/30	0/3/3/3
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
54	PSU	2y	32	54	-	0/7/25/26	0/2/2/2
54	7MG	1w	46	54	-	2/7/37/38	0/3/3/3
54	5MU	1y	54	54	-	2/7/25/26	0/2/2/2
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
1	5MU	1A	1961	1,56	-	0/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
54	PSU	1y	32	54	-	0/7/25/26	0/2/2/2
54	PSU	2w	55	54	-	0/7/25/26	0/2/2/2

The worst 5 of 256 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	1l	92	0TD	CB-SB	-12.93	1.69	1.82
43	2l	92	0TD	CB-SB	-12.68	1.69	1.82
54	1w	37	MIA	C2-S10	-7.11	1.69	1.75
54	1w	37	MIA	C13-C14	6.98	1.53	1.32
54	2w	37	MIA	C2-S10	-6.81	1.70	1.75

The worst 5 of 436 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
43	2l	92	0TD	CSB-SB-CB	-9.98	84.42	102.36
54	1y	46	7MG	N9-C4-N3	9.76	139.76	125.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
54	2y	46	7MG	N9-C4-N3	9.66	139.61	125.46
54	1w	37	MIA	C12-C13-C14	-8.84	111.14	127.01
54	2w	46	7MG	N9-C4-N3	8.83	138.40	125.46

There are no chirality outliers.

5 of 58 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
32	1a	967	5MC	O4'-C4'-C5'-O5'
43	1l	92	0TD	CG-CB-SB-CSB
32	2a	1518	MA6	C5-C6-N6-C9
32	2a	1519	MA6	O4'-C4'-C5'-O5'
54	1y	8	4SU	O4'-C4'-C5'-O5'

There are no ring outliers.

40 monomers are involved in 62 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
55	1x	8	4SU	1	0
32	2a	966	M2G	1	0
1	2A	1920	4OC	2	0
43	1l	92	0TD	1	0
1	2A	1939	5MU	1	0
1	1A	1939	PSU	1	0
32	1a	1518	MA6	1	0
54	1y	39	PSU	1	0
54	2w	37	MIA	1	0
32	1a	1519	MA6	1	0
1	2A	2503	2MA	3	0
1	1A	2263	OMG	1	0
54	2y	37	MIA	1	0
32	2a	967	5MC	2	0
1	1A	2564	2MU	1	0
32	1a	1402	4OC	3	0
54	2y	55	PSU	7	0
54	2y	8	4SU	2	0
55	2x	8	4SU	1	0
54	2w	39	PSU	3	0
54	2w	8	4SU	3	0
32	2a	1402	4OC	3	0
54	2y	46	7MG	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
32	2a	1519	MA6	3	0
32	2a	516	PSU	1	0
32	1a	967	5MC	1	0
55	1x	55	PSU	1	0
1	2A	1917	PSU	1	0
54	1y	37	MIA	1	0
54	1y	8	4SU	2	0
54	2w	46	7MG	1	0
54	2y	54	5MU	1	0
55	1x	54	5MU	1	0
32	2a	1400	5MC	3	0
32	2a	1518	MA6	4	0
32	1a	966	M2G	1	0
55	2x	54	5MU	1	0
1	1A	1961	5MU	1	0
32	2a	1404	5MC	2	0
54	1y	32	PSU	1	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 3095 ligands modelled in this entry, 3085 are monoatomic - leaving 10 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
57	CPT	2A	3903	1	0,3,4	-	-	-		
57	CPT	2I	201	8	0,3,4	-	-	-		
57	CPT	1I	3002	8	0,3,4	-	-	-		
60	SF4	2d	501	35	0,12,12	-	-	-		
57	CPT	1A	4210	1	0,3,4	-	-	-		
57	CPT	2a	3235	32	0,3,4	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
60	SF4	1d	501	35	0,12,12	-	-	-		
57	CPT	1A	4209	1	0,3,4	-	-	-		
57	CPT	1a	1930	32	0,3,4	-	-	-		
57	CPT	2A	3904	1	0,3,4	-	-	-		

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
60	SF4	2d	501	35	-	-	0/6/5/5
60	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.

5 monomers are involved in 5 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
57	2A	3903	CPT	1	0
57	2I	201	CPT	1	0
60	2d	501	SF4	1	0
57	1A	4209	CPT	1	0
57	1a	1930	CPT	1	0

5.7 Other polymers

There are no such residues in this entry.

5.8 Polymer linkage issues

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	1A	2860/2915 (98%)	-0.15	102 (3%) 46 37	24, 45, 94, 107	0
1	2A	2789/2915 (95%)	-0.13	61 (2%) 62 52	27, 48, 92, 107	0
2	1B	120/121 (99%)	0.08	0 100 100	40, 60, 72, 93	0
2	2B	120/121 (99%)	0.66	2 (1%) 69 60	46, 65, 75, 93	0
3	1D	275/276 (99%)	0.09	7 (2%) 58 48	23, 43, 59, 79	0
3	2D	275/276 (99%)	0.02	3 (1%) 78 70	24, 44, 61, 79	0
4	1E	204/206 (99%)	0.23	1 (0%) 87 82	25, 50, 66, 82	0
4	2E	204/206 (99%)	0.10	2 (0%) 79 72	27, 52, 68, 85	0
5	1F	203/210 (96%)	0.24	2 (0%) 79 72	26, 54, 77, 90	0
5	2F	203/210 (96%)	0.24	2 (0%) 79 72	28, 57, 79, 89	0
6	1G	181/182 (99%)	0.85	18 (9%) 13 9	49, 69, 80, 95	0
6	2G	181/182 (99%)	1.18	24 (13%) 7 5	52, 72, 83, 98	0
7	1H	173/180 (96%)	0.87	14 (8%) 18 13	54, 68, 77, 85	0
7	2H	173/180 (96%)	1.15	20 (11%) 9 7	57, 72, 81, 86	0
8	1I	146/148 (98%)	0.74	5 (3%) 48 39	51, 75, 85, 90	0
8	2I	146/148 (98%)	0.82	6 (4%) 41 33	53, 74, 86, 92	0
9	1N	140/140 (100%)	0.58	3 (2%) 63 54	34, 51, 73, 78	0
9	2N	140/140 (100%)	0.41	0 100 100	37, 55, 75, 81	0
10	1O	122/122 (100%)	-0.22	0 100 100	25, 41, 58, 68	0
10	2O	122/122 (100%)	0.24	1 (0%) 82 75	45, 62, 74, 80	0
11	1P	149/150 (99%)	0.38	2 (1%) 75 66	27, 57, 78, 87	0
11	2P	149/150 (99%)	0.43	4 (2%) 56 46	29, 60, 79, 88	0
12	1Q	141/141 (100%)	0.32	5 (3%) 47 38	36, 53, 69, 84	0
12	2Q	141/141 (100%)	0.63	5 (3%) 47 38	38, 57, 73, 84	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.03	0 100 100	32, 42, 57, 67	0
13	2R	118/118 (100%)	-0.07	0 100 100	35, 45, 58, 69	0
14	1S	110/112 (98%)	0.51	2 (1%) 67 58	45, 60, 73, 77	0
14	2S	110/112 (98%)	1.27	17 (15%) 5 4	49, 64, 76, 79	0
15	1T	131/146 (89%)	0.44	6 (4%) 37 29	42, 54, 76, 86	0
15	2T	131/146 (89%)	0.23	0 100 100	46, 57, 76, 86	0
16	1U	116/118 (98%)	0.33	3 (2%) 57 47	28, 45, 61, 75	0
16	2U	116/118 (98%)	0.27	0 100 100	34, 49, 65, 77	0
17	1V	101/101 (100%)	0.41	3 (2%) 52 42	31, 54, 70, 82	0
17	2V	101/101 (100%)	0.39	0 100 100	34, 58, 73, 81	0
18	1W	112/113 (99%)	-0.06	1 (0%) 81 74	30, 40, 64, 88	0
18	2W	112/113 (99%)	0.09	3 (2%) 56 46	33, 42, 65, 90	0
19	1X	95/96 (98%)	-0.16	1 (1%) 78 70	24, 38, 64, 78	0
19	2X	95/96 (98%)	0.46	0 100 100	43, 61, 75, 87	0
20	1Y	107/110 (97%)	0.78	6 (5%) 30 23	47, 61, 74, 84	0
20	2Y	107/110 (97%)	0.81	5 (4%) 36 29	51, 64, 76, 86	0
21	1Z	154/206 (74%)	0.74	6 (3%) 43 34	55, 73, 89, 97	0
21	2Z	160/206 (77%)	1.51	46 (28%) 1 1	58, 76, 91, 98	0
22	10	83/85 (97%)	-0.12	2 (2%) 59 49	23, 40, 62, 71	0
22	20	83/85 (97%)	1.03	10 (12%) 9 6	46, 65, 76, 84	0
23	11	97/98 (98%)	0.02	1 (1%) 79 72	27, 45, 72, 79	0
23	21	97/98 (98%)	0.36	2 (2%) 63 54	41, 56, 79, 88	0
24	12	70/72 (97%)	0.78	5 (7%) 22 16	43, 58, 71, 82	0
24	22	70/72 (97%)	0.45	0 100 100	46, 61, 75, 82	0
25	13	59/60 (98%)	0.40	1 (1%) 69 60	36, 50, 70, 83	0
25	23	59/60 (98%)	0.33	0 100 100	41, 53, 74, 84	0
26	14	69/71 (97%)	1.16	13 (18%) 3 2	68, 82, 92, 96	0
26	24	69/71 (97%)	1.35	15 (21%) 2 2	72, 83, 92, 95	0
27	15	59/60 (98%)	-0.13	1 (1%) 69 60	27, 41, 66, 71	0
27	25	59/60 (98%)	-0.01	0 100 100	29, 45, 67, 71	0
28	16	53/54 (98%)	0.04	0 100 100	41, 50, 65, 71	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.51	1 (1%) 66 57	42, 53, 67, 73	0
29	17	48/49 (97%)	0.01	1 (2%) 63 54	26, 32, 62, 71	0
29	27	48/49 (97%)	-0.25	0 100 100	28, 34, 62, 70	0
30	18	64/65 (98%)	0.34	0 100 100	35, 44, 55, 68	0
30	28	64/65 (98%)	0.32	0 100 100	38, 47, 58, 67	0
31	19	37/37 (100%)	-0.08	0 100 100	31, 40, 58, 65	0
31	29	37/37 (100%)	1.16	6 (16%) 4 4	52, 71, 80, 81	0
32	1a	1488/1521 (97%)	0.11	37 (2%) 58 48	35, 63, 92, 109	0
32	2a	1491/1521 (98%)	0.46	59 (3%) 42 33	47, 77, 96, 107	0
33	1b	231/256 (90%)	0.89	19 (8%) 17 13	65, 82, 89, 96	0
33	2b	231/256 (90%)	1.31	34 (14%) 6 4	68, 83, 90, 98	0
34	1c	206/239 (86%)	0.92	14 (6%) 23 17	63, 76, 84, 91	0
34	2c	206/239 (86%)	1.02	24 (11%) 9 7	67, 78, 86, 91	0
35	1d	208/209 (99%)	0.95	16 (7%) 19 14	59, 71, 82, 87	0
35	2d	208/209 (99%)	1.23	29 (13%) 6 5	60, 72, 83, 88	0
36	1e	148/162 (91%)	0.79	7 (4%) 36 29	57, 70, 79, 87	0
36	2e	148/162 (91%)	1.08	13 (8%) 15 11	60, 72, 81, 88	0
37	1f	100/101 (99%)	0.41	3 (3%) 52 42	48, 65, 77, 82	0
37	2f	100/101 (99%)	0.61	3 (3%) 52 42	53, 70, 79, 86	0
38	1g	155/156 (99%)	0.79	13 (8%) 17 12	63, 72, 83, 95	0
38	2g	155/156 (99%)	0.69	8 (5%) 33 25	64, 74, 84, 95	0
39	1h	137/138 (99%)	0.72	6 (4%) 39 31	59, 72, 79, 88	0
39	2h	137/138 (99%)	0.80	2 (1%) 72 63	63, 74, 81, 88	0
40	1i	127/128 (99%)	0.93	9 (7%) 22 16	49, 73, 85, 91	0
40	2i	127/128 (99%)	1.22	17 (13%) 7 5	69, 83, 91, 93	0
41	1j	97/105 (92%)	1.19	12 (12%) 8 6	60, 80, 90, 93	0
41	2j	96/105 (91%)	1.65	31 (32%) 1 1	63, 81, 91, 97	0
42	1k	114/129 (88%)	0.54	3 (2%) 57 47	53, 68, 78, 85	0
42	2k	114/129 (88%)	0.64	7 (6%) 27 20	53, 69, 79, 85	0
43	1l	121/132 (91%)	0.53	6 (4%) 34 26	45, 58, 70, 84	0
43	2l	121/132 (91%)	0.52	1 (0%) 82 75	46, 61, 72, 83	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	123/126 (97%)	0.59	8 (6%) 25 18	50, 67, 80, 88	0
44	2m	122/126 (96%)	1.35	21 (17%) 4 3	67, 83, 89, 93	0
45	1n	60/61 (98%)	1.09	7 (11%) 9 7	62, 71, 76, 81	0
45	2n	60/61 (98%)	1.66	19 (31%) 1 1	67, 74, 80, 85	0
46	1o	88/89 (98%)	0.72	4 (4%) 38 30	55, 68, 79, 83	0
46	2o	88/89 (98%)	0.65	2 (2%) 61 51	58, 70, 80, 83	0
47	1p	82/88 (93%)	1.18	10 (12%) 8 6	57, 68, 79, 81	0
47	2p	82/88 (93%)	0.95	4 (4%) 35 27	60, 68, 78, 84	0
48	1q	99/105 (94%)	0.79	8 (8%) 18 13	57, 70, 79, 83	0
48	2q	99/105 (94%)	0.77	6 (6%) 27 20	58, 70, 81, 84	0
49	1r	68/88 (77%)	0.56	2 (2%) 53 43	58, 68, 80, 83	0
49	2r	68/88 (77%)	0.63	2 (2%) 53 43	59, 69, 80, 85	0
50	1s	83/93 (89%)	0.93	4 (4%) 35 28	67, 76, 85, 92	0
50	2s	83/93 (89%)	1.41	14 (16%) 4 3	71, 79, 86, 93	0
51	1t	96/106 (90%)	0.78	7 (7%) 21 15	59, 70, 82, 89	0
51	2t	96/106 (90%)	0.87	8 (8%) 17 12	59, 70, 82, 89	0
52	1u	23/27 (85%)	1.35	5 (21%) 2 2	64, 71, 77, 82	0
52	2u	23/27 (85%)	1.57	7 (30%) 1 1	67, 73, 79, 83	0
53	1v	13/24 (54%)	0.13	1 (7%) 19 14	43, 51, 74, 97	0
53	2v	13/24 (54%)	1.58	2 (15%) 5 4	63, 82, 98, 100	0
54	1w	67/76 (88%)	0.82	9 (13%) 7 5	49, 84, 99, 106	0
54	1y	67/76 (88%)	0.58	2 (2%) 52 42	39, 91, 99, 103	0
54	2w	65/76 (85%)	1.20	11 (16%) 4 3	62, 95, 102, 105	0
54	2y	66/76 (86%)	0.94	2 (3%) 52 42	49, 97, 101, 102	0
55	1x	72/77 (93%)	0.19	1 (1%) 73 64	33, 66, 82, 91	0
55	2x	72/77 (93%)	0.49	1 (1%) 73 64	50, 79, 88, 95	0
All	All	20873/21748 (95%)	0.37	986 (4%) 36 29	23, 63, 89, 109	0

The worst 5 of 986 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
7	1H	2	SER	6.3
45	1n	2	ALA	6.3

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Mol	Chain	Res	Type	RSRZ
34	1c	13	GLY	6.2
23	21	2	SER	6.1
44	2m	102	ARG	5.7

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

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
54	7MG	2w	46	24/25	0.57	0.16	86,100,114,145	0
54	5MU	2y	54	21/22	0.59	0.16	82,92,106,130	0
54	7MG	1y	46	24/25	0.60	0.15	83,94,107,126	0
54	5MU	1y	54	21/22	0.61	0.15	73,89,102,120	0
54	7MG	1w	46	24/25	0.65	0.15	74,87,111,126	0
54	4SU	2y	8	20/21	0.67	0.13	89,98,109,120	0
54	PSU	2y	55	20/21	0.67	0.16	92,98,114,119	0
54	7MG	2y	46	24/25	0.68	0.15	93,98,105,125	0
54	PSU	1y	55	20/21	0.70	0.12	86,98,106,123	0
54	4SU	2w	8	20/21	0.72	0.14	84,95,110,123	0
54	MIA	2y	37	22/30	0.73	0.13	71,86,96,112	0
54	4SU	1y	8	20/21	0.77	0.13	87,98,107,113	0
54	MIA	1y	37	22/30	0.78	0.12	65,81,88,93	0
54	PSU	2y	32	20/21	0.79	0.14	74,90,101,111	0
54	PSU	2y	39	20/21	0.79	0.13	74,86,97,100	0
54	PSU	2w	55	20/21	0.80	0.11	66,88,96,96	0
54	4SU	1w	8	20/21	0.83	0.13	75,82,99,108	0
54	5MU	2w	54	21/22	0.83	0.10	62,80,88,92	0
32	2MG	2a	1207	24/25	0.83	0.12	70,80,89,102	0
54	PSU	1w	55	20/21	0.85	0.09	67,77,89,95	0
55	4SU	2x	8	20/21	0.85	0.13	66,79,93,93	0
55	PSU	2x	55	20/21	0.85	0.12	73,79,92,97	0
54	PSU	1y	32	20/21	0.86	0.11	68,86,94,94	0
54	PSU	1y	39	20/21	0.86	0.11	69,80,87,89	0
55	5MU	2x	54	21/22	0.87	0.12	74,83,90,105	0
54	PSU	2w	32	20/21	0.87	0.16	67,83,98,106	0
55	PSU	1x	55	20/21	0.89	0.09	62,72,91,96	0
55	5MU	1x	54	21/22	0.89	0.12	56,73,78,85	0
43	0TD	2l	92	10/11	0.90	0.14	53,60,64,85	0
1	5MU	2A	1915	21/22	0.90	0.10	52,64,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	M2G	2a	966	25/26	0.91	0.15	53,67,78,82	0
32	5MC	2a	1400	21/22	0.92	0.14	50,68,78,89	0
32	4OC	2a	1402	22/23	0.92	0.13	52,64,71,74	0
1	PSU	2A	1917	20/21	0.92	0.09	52,62,66,70	0
1	5MU	1A	1937	21/22	0.93	0.12	49,62,65,68	0
54	MIA	2w	37	25/30	0.93	0.12	66,79,88,95	0
43	0TD	1l	92	10/11	0.93	0.13	47,57,60,73	0
32	7MG	2a	527	24/25	0.94	0.11	52,64,75,87	0
32	2MG	1a	1207	24/25	0.94	0.10	56,65,69,76	0
32	5MC	2a	967	21/22	0.94	0.11	57,71,78,79	0
55	4SU	1x	8	20/21	0.94	0.10	50,61,71,83	0
1	PSU	2A	1911	20/21	0.94	0.08	42,57,65,65	0
55	5MC	2x	32	21/22	0.94	0.11	65,72,77,83	0
1	5MC	2A	1962	21/22	0.94	0.10	37,42,53,60	0
54	PSU	1w	32	20/21	0.94	0.12	58,66,79,81	0
54	PSU	2w	39	20/21	0.94	0.09	61,81,86,87	0
32	PSU	2a	516	20/21	0.94	0.09	54,68,81,87	0
32	5MC	2a	1404	21/22	0.95	0.10	47,56,60,67	0
32	UR3	2a	1498	21/22	0.95	0.09	49,56,60,69	0
32	MA6	2a	1518	24/25	0.95	0.10	50,65,75,80	0
1	5MC	2A	1942	21/22	0.95	0.10	42,53,59,66	0
1	PSU	1A	1939	20/21	0.95	0.10	50,57,64,65	0
1	4OC	2A	1920	21/23	0.95	0.08	43,52,58,61	0
32	PSU	1a	516	20/21	0.96	0.07	39,51,60,64	0
32	7MG	1a	527	24/25	0.96	0.09	37,48,54,61	0
32	M2G	1a	966	25/26	0.96	0.10	46,54,60,69	0
55	5MC	1x	32	21/22	0.96	0.09	42,47,58,59	0
32	5MC	2a	1407	21/22	0.96	0.09	40,55,59,68	0
1	PSU	1A	1933	20/21	0.96	0.09	38,55,63,65	0
1	5MU	2A	1939	21/22	0.96	0.08	28,34,38,40	0
32	MA6	2a	1519	24/25	0.96	0.11	44,61,71,73	0
1	5MC	1A	1964	21/22	0.96	0.09	39,51,57,64	0
54	MIA	1w	37	29/30	0.97	0.10	31,47,60,67	0
1	PSU	2A	2605	20/21	0.97	0.07	25,32,38,38	0
1	4OC	1A	1942	21/23	0.97	0.09	37,48,53,57	0
32	5MC	1a	967	21/22	0.97	0.08	45,53,65,65	0
54	PSU	1w	39	20/21	0.97	0.07	35,56,64,66	0
1	2MU	1A	2564	21/23	0.97	0.08	29,36,42,46	0
32	5MC	1a	1400	21/22	0.97	0.10	31,45,56,63	0
32	4OC	1a	1402	22/23	0.97	0.08	34,43,56,68	0
32	5MC	1a	1404	21/22	0.97	0.08	30,36,44,47	0
32	5MC	1a	1407	21/22	0.97	0.08	31,42,48,51	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	35,39,47,51	0
1	OMG	2A	2251	24/25	0.97	0.07	29,36,40,41	0
54	5MU	1w	54	21/22	0.97	0.06	48,62,67,73	0
1	2MA	2A	2503	23/24	0.97	0.07	22,28,37,40	0
1	OMG	1A	2263	24/25	0.98	0.06	24,33,37,37	0
1	2MA	1A	2515	23/24	0.98	0.07	20,27,33,37	0
1	5MU	1A	1961	21/22	0.98	0.07	25,31,36,41	0
1	5MC	1A	1984	21/22	0.98	0.08	33,39,46,58	0
32	UR3	1a	1498	21/22	0.98	0.06	29,37,45,49	0
1	2MU	2A	2552	21/23	0.98	0.07	29,38,45,51	0
32	MA6	1a	1518	24/25	0.98	0.07	30,41,47,50	0
1	PSU	1A	2617	20/21	0.99	0.05	25,30,34,35	0

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 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	3204	1/1	0.18	0.38	90,90,90,90	0
56	MG	1B	227	1/1	0.24	0.16	106,106,106,106	0
56	MG	2B	3011	1/1	0.36	0.25	95,95,95,95	0
56	MG	2a	3109	1/1	0.40	0.31	89,89,89,89	0
56	MG	1a	1864	1/1	0.45	0.17	94,94,94,94	0
56	MG	2a	3029	1/1	0.46	0.69	90,90,90,90	0
56	MG	2A	3582	1/1	0.48	0.29	76,76,76,76	0
56	MG	1B	228	1/1	0.49	0.24	80,80,80,80	0
56	MG	2j	8002	1/1	0.51	0.17	79,79,79,79	0
56	MG	2x	102	1/1	0.53	0.27	71,71,71,71	0
56	MG	2A	3769	1/1	0.57	0.22	54,54,54,54	0
56	MG	2a	3057	1/1	0.58	0.16	97,97,97,97	0
56	MG	2a	3229	1/1	0.60	0.20	81,81,81,81	0
56	MG	1A	4153	1/1	0.60	0.21	90,90,90,90	0
56	MG	1a	1658	1/1	0.60	0.23	84,84,84,84	0
56	MG	1A	4068	1/1	0.61	0.26	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3194	1/1	0.61	0.36	77,77,77,77	0
56	MG	2a	3064	1/1	0.61	0.24	83,83,83,83	0
56	MG	2A	3672	1/1	0.63	0.17	68,68,68,68	0
56	MG	2j	8001	1/1	0.64	0.14	80,80,80,80	0
56	MG	1A	4146	1/1	0.65	0.59	80,80,80,80	0
56	MG	2A	3097	1/1	0.65	0.19	64,64,64,64	0
56	MG	2A	3688	1/1	0.65	0.16	68,68,68,68	0
56	MG	1a	1839	1/1	0.66	0.25	69,69,69,69	0
56	MG	2a	3222	1/1	0.66	0.20	94,94,94,94	0
56	MG	2A	3765	1/1	0.67	0.22	62,62,62,62	0
56	MG	2A	3392	1/1	0.67	0.24	72,72,72,72	0
56	MG	1y	3005	1/1	0.68	0.13	83,83,83,83	0
56	MG	1a	1615	1/1	0.68	0.20	87,87,87,87	0
56	MG	2A	3792	1/1	0.68	0.37	61,61,61,61	0
56	MG	10	102	1/1	0.68	0.37	77,77,77,77	0
56	MG	2A	3726	1/1	0.68	0.18	64,64,64,64	0
56	MG	1a	1783	1/1	0.69	0.28	88,88,88,88	0
56	MG	2A	3064	1/1	0.69	0.20	64,64,64,64	0
56	MG	2a	3060	1/1	0.69	0.19	82,82,82,82	0
56	MG	2A	3665	1/1	0.69	0.12	53,53,53,53	0
56	MG	1x	102	1/1	0.69	0.36	74,74,74,74	0
56	MG	2A	3284	1/1	0.69	0.10	56,56,56,56	0
56	MG	1a	1725	1/1	0.70	0.19	62,62,62,62	0
56	MG	2A	3757	1/1	0.70	0.13	54,54,54,54	0
56	MG	1A	3112	1/1	0.70	0.22	54,54,54,54	0
56	MG	1A	4215	1/1	0.71	0.17	73,73,73,73	0
56	MG	1B	219	1/1	0.71	0.27	63,63,63,63	0
56	MG	2a	3221	1/1	0.71	0.30	81,81,81,81	0
56	MG	1A	3468	1/1	0.71	0.27	68,68,68,68	0
56	MG	1A	3356	1/1	0.71	0.27	76,76,76,76	0
56	MG	2a	3236	1/1	0.71	0.14	65,65,65,65	0
56	MG	2A	3301	1/1	0.71	0.15	64,64,64,64	0
56	MG	2A	3853	1/1	0.71	0.18	63,63,63,63	0
56	MG	2a	3115	1/1	0.71	0.29	61,61,61,61	0
56	MG	1w	111	1/1	0.72	0.21	84,84,84,84	0
56	MG	1A	4085	1/1	0.72	0.15	99,99,99,99	0
56	MG	2A	3872	1/1	0.72	0.17	63,63,63,63	0
56	MG	2A	3761	1/1	0.72	0.43	47,47,47,47	0
56	MG	1B	234	1/1	0.72	0.24	78,78,78,78	0
56	MG	2a	3195	1/1	0.72	0.23	85,85,85,85	0
56	MG	1A	3565	1/1	0.72	0.17	67,67,67,67	0
56	MG	2a	3185	1/1	0.73	0.17	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1845	1/1	0.73	0.28	75,75,75,75	0
56	MG	2B	3014	1/1	0.73	0.21	81,81,81,81	0
56	MG	1x	109	1/1	0.73	0.28	74,74,74,74	0
56	MG	2a	3031	1/1	0.73	0.22	76,76,76,76	0
56	MG	1A	4166	1/1	0.73	0.17	70,70,70,70	0
56	MG	1a	1871	1/1	0.73	0.16	79,79,79,79	0
56	MG	1a	1918	1/1	0.73	0.18	75,75,75,75	0
56	MG	2A	3215	1/1	0.73	0.20	61,61,61,61	0
56	MG	1A	3355	1/1	0.73	0.18	60,60,60,60	0
56	MG	2v	102	1/1	0.73	0.22	93,93,93,93	0
56	MG	2a	3155	1/1	0.73	0.14	91,91,91,91	0
56	MG	2A	3042	1/1	0.74	0.29	59,59,59,59	0
56	MG	1a	1707	1/1	0.74	0.21	59,59,59,59	0
56	MG	1A	3375	1/1	0.74	0.21	60,60,60,60	0
56	MG	2A	3165	1/1	0.74	0.17	72,72,72,72	0
56	MG	1a	1899	1/1	0.74	0.12	86,86,86,86	0
56	MG	1a	1751	1/1	0.74	0.41	78,78,78,78	0
56	MG	2A	3771	1/1	0.74	0.15	47,47,47,47	0
56	MG	1w	103	1/1	0.74	0.47	80,80,80,80	0
56	MG	2A	3832	1/1	0.74	0.15	69,69,69,69	0
56	MG	2A	3358	1/1	0.74	0.26	78,78,78,78	0
56	MG	1A	4010	1/1	0.74	0.20	85,85,85,85	0
56	MG	2A	3885	1/1	0.74	0.17	50,50,50,50	0
56	MG	1a	1644	1/1	0.74	0.31	79,79,79,79	0
56	MG	1Z	302	1/1	0.74	0.13	64,64,64,64	0
56	MG	2B	3015	1/1	0.74	0.20	62,62,62,62	0
56	MG	25	103	1/1	0.74	0.22	61,61,61,61	0
56	MG	2a	3002	1/1	0.74	0.22	72,72,72,72	0
56	MG	2a	3026	1/1	0.74	0.28	88,88,88,88	0
56	MG	1a	1859	1/1	0.74	0.32	77,77,77,77	0
56	MG	2A	3820	1/1	0.75	0.19	75,75,75,75	0
56	MG	2A	3476	1/1	0.75	0.24	63,63,63,63	0
56	MG	2a	3089	1/1	0.75	0.30	70,70,70,70	0
56	MG	1A	3890	1/1	0.75	0.12	65,65,65,65	0
56	MG	2A	3058	1/1	0.75	0.22	68,68,68,68	0
56	MG	1A	3949	1/1	0.75	0.28	41,41,41,41	0
56	MG	1A	3296	1/1	0.75	0.24	53,53,53,53	0
56	MG	2l	3001	1/1	0.75	0.25	62,62,62,62	0
56	MG	2a	3044	1/1	0.75	0.15	70,70,70,70	0
56	MG	2w	103	1/1	0.75	0.12	83,83,83,83	0
56	MG	1a	1683	1/1	0.75	0.40	80,80,80,80	0
56	MG	2y	3005	1/1	0.75	0.15	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3906	1/1	0.76	0.13	64,64,64,64	0
56	MG	2a	3140	1/1	0.76	0.15	95,95,95,95	0
56	MG	2A	3913	1/1	0.76	0.34	46,46,46,46	0
56	MG	1A	3409	1/1	0.76	0.21	64,64,64,64	0
56	MG	2A	3743	1/1	0.76	0.24	79,79,79,79	0
56	MG	1a	1723	1/1	0.76	0.35	69,69,69,69	0
56	MG	1B	230	1/1	0.76	0.11	82,82,82,82	0
56	MG	2A	3374	1/1	0.76	0.26	76,76,76,76	0
56	MG	2a	3015	1/1	0.76	0.23	63,63,63,63	0
56	MG	2A	3068	1/1	0.76	0.14	56,56,56,56	0
56	MG	2A	3400	1/1	0.76	0.28	77,77,77,77	0
56	MG	1a	1750	1/1	0.76	0.38	75,75,75,75	0
56	MG	1a	1664	1/1	0.76	0.18	62,62,62,62	0
56	MG	2A	3174	1/1	0.76	0.16	66,66,66,66	0
56	MG	1A	4141	1/1	0.76	0.12	63,63,63,63	0
56	MG	2A	3683	1/1	0.76	0.10	49,49,49,49	0
56	MG	2A	3873	1/1	0.76	0.23	57,57,57,57	0
56	MG	2A	3264	1/1	0.76	0.18	60,60,60,60	0
56	MG	1a	1726	1/1	0.77	0.33	85,85,85,85	0
56	MG	2a	3170	1/1	0.77	0.14	79,79,79,79	0
56	MG	2a	3174	1/1	0.77	0.11	88,88,88,88	0
56	MG	2A	3380	1/1	0.77	0.19	67,67,67,67	0
56	MG	1A	3467	1/1	0.77	0.16	65,65,65,65	0
56	MG	1G	3005	1/1	0.77	0.15	65,65,65,65	0
56	MG	2A	3104	1/1	0.77	0.14	60,60,60,60	0
56	MG	1a	1682	1/1	0.77	0.20	69,69,69,69	0
56	MG	1A	3351	1/1	0.77	0.19	72,72,72,72	0
56	MG	2A	3854	1/1	0.77	0.18	42,42,42,42	0
56	MG	2A	3190	1/1	0.77	0.30	64,64,64,64	0
56	MG	1a	1694	1/1	0.77	0.23	62,62,62,62	0
56	MG	1x	110	1/1	0.77	0.24	75,75,75,75	0
56	MG	2a	3068	1/1	0.77	0.23	71,71,71,71	0
56	MG	1A	3427	1/1	0.77	0.11	44,44,44,44	0
56	MG	1A	4046	1/1	0.77	0.18	69,69,69,69	0
56	MG	2A	3321	1/1	0.77	0.12	62,62,62,62	0
56	MG	2x	103	1/1	0.77	0.20	83,83,83,83	0
56	MG	1A	3817	1/1	0.77	0.16	67,67,67,67	0
56	MG	1a	1804	1/1	0.78	0.44	67,67,67,67	0
56	MG	2A	3182	1/1	0.78	0.21	62,62,62,62	0
56	MG	1A	3091	1/1	0.78	0.45	72,72,72,72	0
56	MG	1A	4072	1/1	0.78	0.23	95,95,95,95	0
56	MG	2A	3255	1/1	0.78	0.27	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	1x	117	1/1	0.78	0.16	78,78,78,78	0
56	MG	2A	3696	1/1	0.78	0.14	50,50,50,50	0
56	MG	1A	3457	1/1	0.78	0.24	63,63,63,63	0
56	MG	2a	3193	1/1	0.78	0.21	63,63,63,63	0
56	MG	1a	1641	1/1	0.78	0.18	73,73,73,73	0
56	MG	1a	1866	1/1	0.78	0.16	62,62,62,62	0
56	MG	2a	3196	1/1	0.78	0.24	71,71,71,71	0
56	MG	2A	3324	1/1	0.78	0.25	57,57,57,57	0
56	MG	1A	3383	1/1	0.78	0.19	72,72,72,72	0
56	MG	2a	3021	1/1	0.78	0.20	72,72,72,72	0
56	MG	2a	3024	1/1	0.78	0.27	65,65,65,65	0
56	MG	2A	3373	1/1	0.78	0.26	72,72,72,72	0
56	MG	1A	3358	1/1	0.78	0.13	64,64,64,64	0
56	MG	1A	3425	1/1	0.78	0.17	54,54,54,54	0
56	MG	2A	3796	1/1	0.78	0.22	64,64,64,64	0
56	MG	2A	3816	1/1	0.78	0.28	75,75,75,75	0
56	MG	2A	3387	1/1	0.78	0.23	64,64,64,64	0
56	MG	1a	1679	1/1	0.78	0.34	75,75,75,75	0
56	MG	2a	3066	1/1	0.78	0.24	77,77,77,77	0
56	MG	1A	4066	1/1	0.78	0.17	82,82,82,82	0
57	CPT	1a	1930	4/5	0.78	0.29	60,62,73,353	0
56	MG	1w	108	1/1	0.79	0.18	63,63,63,63	0
56	MG	1A	4035	1/1	0.79	0.13	39,39,39,39	0
56	MG	1A	3244	1/1	0.79	0.11	55,55,55,55	0
56	MG	2A	3212	1/1	0.79	0.10	58,58,58,58	0
56	MG	2A	3489	1/1	0.79	0.21	82,82,82,82	0
56	MG	2A	3521	1/1	0.79	0.13	53,53,53,53	0
56	MG	2a	3169	1/1	0.79	0.14	80,80,80,80	0
56	MG	1A	3862	1/1	0.79	0.13	31,31,31,31	0
56	MG	2A	3222	1/1	0.79	0.16	72,72,72,72	0
56	MG	1a	1611	1/1	0.79	0.24	63,63,63,63	0
56	MG	1a	1861	1/1	0.79	0.09	102,102,102,102	0
56	MG	1A	3888	1/1	0.79	0.14	54,54,54,54	0
56	MG	2B	3016	1/1	0.79	0.18	63,63,63,63	0
56	MG	2B	3020	1/1	0.79	0.27	75,75,75,75	0
56	MG	2A	3287	1/1	0.79	0.34	60,60,60,60	0
56	MG	1A	3507	1/1	0.79	0.30	72,72,72,72	0
56	MG	2a	3004	1/1	0.79	0.20	68,68,68,68	0
56	MG	2A	3317	1/1	0.79	0.20	53,53,53,53	0
56	MG	1A	3915	1/1	0.79	0.16	51,51,51,51	0
56	MG	1A	3413	1/1	0.79	0.17	54,54,54,54	0
56	MG	2A	3340	1/1	0.79	0.17	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3354	1/1	0.79	0.15	69,69,69,69	0
56	MG	1A	3600	1/1	0.79	0.29	64,64,64,64	0
56	MG	2A	3362	1/1	0.79	0.10	61,61,61,61	0
56	MG	1w	101	1/1	0.79	0.29	87,87,87,87	0
56	MG	1D	311	1/1	0.79	0.10	51,51,51,51	0
56	MG	1w	107	1/1	0.79	0.22	70,70,70,70	0
56	MG	2A	3831	1/1	0.79	0.11	57,57,57,57	0
56	MG	1A	3352	1/1	0.80	0.16	66,66,66,66	0
56	MG	2a	3023	1/1	0.80	0.15	72,72,72,72	0
56	MG	2A	3206	1/1	0.80	0.18	59,59,59,59	0
56	MG	1a	1742	1/1	0.80	0.34	73,73,73,73	0
56	MG	2A	3713	1/1	0.80	0.11	63,63,63,63	0
56	MG	1A	3256	1/1	0.80	0.21	73,73,73,73	0
56	MG	1A	3649	1/1	0.80	0.41	79,79,79,79	0
56	MG	2A	3756	1/1	0.80	0.14	40,40,40,40	0
56	MG	2A	3227	1/1	0.80	0.34	62,62,62,62	0
56	MG	1a	1753	1/1	0.80	0.36	74,74,74,74	0
56	MG	1A	3898	1/1	0.80	0.16	54,54,54,54	0
56	MG	2a	3231	1/1	0.80	0.28	77,77,77,77	0
56	MG	2a	3234	1/1	0.80	0.34	76,76,76,76	0
56	MG	1a	1797	1/1	0.80	0.29	66,66,66,66	0
56	MG	2A	3091	1/1	0.80	0.20	55,55,55,55	0
56	MG	1A	3800	1/1	0.80	0.18	57,57,57,57	0
56	MG	1A	3554	1/1	0.80	0.15	53,53,53,53	0
56	MG	2a	3120	1/1	0.80	0.20	77,77,77,77	0
56	MG	2a	3124	1/1	0.80	0.30	81,81,81,81	0
56	MG	1a	1713	1/1	0.80	0.15	79,79,79,79	0
56	MG	2a	3143	1/1	0.80	0.16	82,82,82,82	0
56	MG	1a	1646	1/1	0.80	0.29	59,59,59,59	0
56	MG	1B	208	1/1	0.80	0.19	71,71,71,71	0
56	MG	2a	3090	1/1	0.81	0.22	64,64,64,64	0
56	MG	2A	3892	1/1	0.81	0.14	52,52,52,52	0
56	MG	2A	3897	1/1	0.81	0.18	71,71,71,71	0
56	MG	2A	3313	1/1	0.81	0.13	71,71,71,71	0
56	MG	1A	3692	1/1	0.81	0.17	73,73,73,73	0
56	MG	1a	1763	1/1	0.81	0.23	65,65,65,65	0
56	MG	2A	3204	1/1	0.81	0.12	58,58,58,58	0
56	MG	1A	3233	1/1	0.81	0.26	65,65,65,65	0
56	MG	2a	3157	1/1	0.81	0.15	79,79,79,79	0
56	MG	2A	3343	1/1	0.81	0.23	63,63,63,63	0
56	MG	2A	3210	1/1	0.81	0.11	61,61,61,61	0
56	MG	2E	301	1/1	0.81	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	1917	1/1	0.81	0.12	55,55,55,55	0
56	MG	1A	3802	1/1	0.81	0.17	58,58,58,58	0
56	MG	2A	3218	1/1	0.81	0.27	63,63,63,63	0
56	MG	2a	3007	1/1	0.81	0.17	70,70,70,70	0
56	MG	2a	3010	1/1	0.81	0.15	76,76,76,76	0
56	MG	1A	3369	1/1	0.81	0.28	66,66,66,66	0
56	MG	1a	1805	1/1	0.81	0.41	63,63,63,63	0
56	MG	2A	3783	1/1	0.81	0.14	42,42,42,42	0
56	MG	1a	1663	1/1	0.81	0.40	73,73,73,73	0
56	MG	2A	3261	1/1	0.81	0.11	65,65,65,65	0
56	MG	1A	3837	1/1	0.81	0.13	29,29,29,29	0
56	MG	2A	3411	1/1	0.81	0.30	52,52,52,52	0
56	MG	2A	3275	1/1	0.81	0.23	67,67,67,67	0
56	MG	2a	3047	1/1	0.81	0.30	72,72,72,72	0
56	MG	1A	3995	1/1	0.81	0.15	51,51,51,51	0
56	MG	2a	3059	1/1	0.81	0.23	61,61,61,61	0
56	MG	2A	3509	1/1	0.81	0.19	55,55,55,55	0
56	MG	1A	4115	1/1	0.81	0.11	86,86,86,86	0
56	MG	2A	3288	1/1	0.81	0.11	56,56,56,56	0
56	MG	1A	3403	1/1	0.81	0.15	53,53,53,53	0
56	MG	2A	3311	1/1	0.81	0.22	59,59,59,59	0
56	MG	13	102	1/1	0.82	0.10	46,46,46,46	0
56	MG	2A	3705	1/1	0.82	0.08	58,58,58,58	0
56	MG	1A	3595	1/1	0.82	0.19	49,49,49,49	0
56	MG	1A	4116	1/1	0.82	0.15	85,85,85,85	0
56	MG	1a	1632	1/1	0.82	0.30	62,62,62,62	0
56	MG	2A	3744	1/1	0.82	0.18	71,71,71,71	0
56	MG	2a	3056	1/1	0.82	0.22	71,71,71,71	0
56	MG	1x	116	1/1	0.82	0.16	65,65,65,65	0
56	MG	1a	1778	1/1	0.82	0.43	65,65,65,65	0
56	MG	1y	3004	1/1	0.82	0.28	78,78,78,78	0
56	MG	1a	1780	1/1	0.82	0.41	70,70,70,70	0
56	MG	1a	1781	1/1	0.82	0.24	58,58,58,58	0
56	MG	2A	3057	1/1	0.82	0.14	68,68,68,68	0
56	MG	2A	3773	1/1	0.82	0.14	67,67,67,67	0
56	MG	1A	3391	1/1	0.82	0.18	71,71,71,71	0
56	MG	2a	3100	1/1	0.82	0.25	67,67,67,67	0
56	MG	2A	3330	1/1	0.82	0.15	69,69,69,69	0
56	MG	1a	1791	1/1	0.82	0.44	71,71,71,71	0
56	MG	1A	3625	1/1	0.82	0.13	66,66,66,66	0
56	MG	2A	3089	1/1	0.82	0.20	60,60,60,60	0
56	MG	2a	3139	1/1	0.82	0.17	85,85,85,85	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	0.82	0.14	58,58,58,58	0
56	MG	2A	3090	1/1	0.82	0.21	71,71,71,71	0
56	MG	2A	3359	1/1	0.82	0.25	73,73,73,73	0
56	MG	1A	3937	1/1	0.82	0.14	56,56,56,56	0
56	MG	2A	3363	1/1	0.82	0.14	65,65,65,65	0
56	MG	1A	3058	1/1	0.82	0.26	60,60,60,60	0
56	MG	1A	3967	1/1	0.82	0.24	61,61,61,61	0
56	MG	1A	3367	1/1	0.82	0.17	56,56,56,56	0
56	MG	1A	3725	1/1	0.82	0.15	53,53,53,53	0
56	MG	1A	3495	1/1	0.82	0.27	48,48,48,48	0
56	MG	2A	3393	1/1	0.82	0.21	67,67,67,67	0
56	MG	1A	3297	1/1	0.82	0.27	67,67,67,67	0
56	MG	2A	3404	1/1	0.82	0.18	55,55,55,55	0
56	MG	1A	4053	1/1	0.82	0.15	41,41,41,41	0
56	MG	2A	3423	1/1	0.82	0.11	61,61,61,61	0
56	MG	2a	3225	1/1	0.82	0.16	68,68,68,68	0
56	MG	2a	3226	1/1	0.82	0.17	79,79,79,79	0
56	MG	2A	3427	1/1	0.82	0.08	58,58,58,58	0
56	MG	1a	1869	1/1	0.82	0.12	101,101,101,101	0
56	MG	1A	3519	1/1	0.82	0.17	71,71,71,71	0
56	MG	2U	203	1/1	0.82	0.28	57,57,57,57	0
56	MG	1A	3312	1/1	0.82	0.33	67,67,67,67	0
56	MG	1a	1714	1/1	0.82	0.38	75,75,75,75	0
56	MG	2A	3549	1/1	0.82	0.17	52,52,52,52	0
56	MG	2l	3002	1/1	0.82	0.15	62,62,62,62	0
56	MG	1A	3343	1/1	0.82	0.23	60,60,60,60	0
56	MG	1T	202	1/1	0.82	0.26	59,59,59,59	0
56	MG	2w	104	1/1	0.82	0.08	81,81,81,81	0
56	MG	1A	3576	1/1	0.82	0.12	54,54,54,54	0
56	MG	2a	3020	1/1	0.82	0.18	61,61,61,61	0
56	MG	1A	4087	1/1	0.82	0.18	79,79,79,79	0
56	MG	1a	1746	1/1	0.82	0.25	66,66,66,66	0
56	MG	2A	3762	1/1	0.83	0.12	54,54,54,54	0
56	MG	1A	3601	1/1	0.83	0.25	70,70,70,70	0
56	MG	1a	1607	1/1	0.83	0.16	71,71,71,71	0
56	MG	2A	3181	1/1	0.83	0.13	49,49,49,49	0
56	MG	1A	3603	1/1	0.83	0.11	51,51,51,51	0
56	MG	1A	3270	1/1	0.83	0.15	64,64,64,64	0
56	MG	1A	4193	1/1	0.83	0.13	49,49,49,49	0
56	MG	1a	1755	1/1	0.83	0.19	62,62,62,62	0
56	MG	1a	1637	1/1	0.83	0.33	56,56,56,56	0
56	MG	2a	3086	1/1	0.83	0.15	81,81,81,81	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4207	1/1	0.83	0.16	60,60,60,60	0
56	MG	1A	3634	1/1	0.83	0.36	68,68,68,68	0
56	MG	2A	3396	1/1	0.83	0.22	50,50,50,50	0
56	MG	1A	3424	1/1	0.83	0.30	75,75,75,75	0
56	MG	1B	209	1/1	0.83	0.20	73,73,73,73	0
56	MG	1A	3073	1/1	0.83	0.18	52,52,52,52	0
56	MG	2A	3422	1/1	0.83	0.07	56,56,56,56	0
56	MG	1A	3906	1/1	0.83	0.16	55,55,55,55	0
56	MG	2A	3260	1/1	0.83	0.12	73,73,73,73	0
56	MG	2A	3429	1/1	0.83	0.10	55,55,55,55	0
56	MG	1A	3913	1/1	0.83	0.18	45,45,45,45	0
56	MG	2A	3902	1/1	0.83	0.19	61,61,61,61	0
56	MG	1A	3386	1/1	0.83	0.18	63,63,63,63	0
56	MG	2A	3008	1/1	0.83	0.11	41,41,41,41	0
56	MG	2B	3004	1/1	0.83	0.16	79,79,79,79	0
56	MG	2a	3176	1/1	0.83	0.17	74,74,74,74	0
56	MG	2A	3023	1/1	0.83	0.13	57,57,57,57	0
56	MG	1A	3797	1/1	0.83	0.17	49,49,49,49	0
56	MG	1A	4114	1/1	0.83	0.20	87,87,87,87	0
56	MG	2A	3657	1/1	0.83	0.12	65,65,65,65	0
56	MG	2A	3664	1/1	0.83	0.15	62,62,62,62	0
56	MG	2A	3292	1/1	0.83	0.16	55,55,55,55	0
56	MG	2A	3671	1/1	0.83	0.15	57,57,57,57	0
56	MG	20	101	1/1	0.83	0.17	60,60,60,60	0
56	MG	2A	3298	1/1	0.83	0.12	67,67,67,67	0
56	MG	28	101	1/1	0.83	0.14	75,75,75,75	0
56	MG	1a	1858	1/1	0.83	0.16	74,74,74,74	0
56	MG	2A	3302	1/1	0.83	0.22	57,57,57,57	0
56	MG	1E	309	1/1	0.83	0.16	54,54,54,54	0
56	MG	1A	3501	1/1	0.83	0.19	62,62,62,62	0
56	MG	2a	3237	1/1	0.83	0.18	61,61,61,61	0
56	MG	2a	3013	1/1	0.83	0.39	66,66,66,66	0
56	MG	2A	3712	1/1	0.83	0.15	55,55,55,55	0
56	MG	2a	3018	1/1	0.83	0.16	62,62,62,62	0
56	MG	1O	3005	1/1	0.83	0.16	68,68,68,68	0
56	MG	1A	3451	1/1	0.83	0.15	63,63,63,63	0
56	MG	1A	4128	1/1	0.83	0.14	57,57,57,57	0
56	MG	1A	3987	1/1	0.83	0.13	71,71,71,71	0
56	MG	2a	3025	1/1	0.83	0.23	68,68,68,68	0
56	MG	1a	1880	1/1	0.83	0.12	51,51,51,51	0
56	MG	2A	3113	1/1	0.83	0.15	71,71,71,71	0
56	MG	2A	3153	1/1	0.83	0.19	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	1A	4038	1/1	0.84	0.11	71,71,71,71	0
56	MG	2A	3717	1/1	0.84	0.20	55,55,55,55	0
56	MG	2A	3106	1/1	0.84	0.13	52,52,52,52	0
56	MG	1a	1724	1/1	0.84	0.18	52,52,52,52	0
56	MG	2A	3331	1/1	0.84	0.24	64,64,64,64	0
56	MG	2A	3332	1/1	0.84	0.16	53,53,53,53	0
56	MG	1l	102	1/1	0.84	0.14	58,58,58,58	0
56	MG	2A	3760	1/1	0.84	0.13	64,64,64,64	0
56	MG	2A	3154	1/1	0.84	0.17	50,50,50,50	0
56	MG	1A	4168	1/1	0.84	0.15	66,66,66,66	0
56	MG	1a	1734	1/1	0.84	0.29	67,67,67,67	0
56	MG	1a	1603	1/1	0.84	0.13	87,87,87,87	0
56	MG	1a	1606	1/1	0.84	0.20	68,68,68,68	0
56	MG	2A	3185	1/1	0.84	0.19	60,60,60,60	0
56	MG	2a	3078	1/1	0.84	0.09	50,50,50,50	0
56	MG	1A	3584	1/1	0.84	0.28	57,57,57,57	0
56	MG	2A	3192	1/1	0.84	0.16	52,52,52,52	0
56	MG	2A	3379	1/1	0.84	0.10	58,58,58,58	0
56	MG	2a	3091	1/1	0.84	0.21	62,62,62,62	0
56	MG	2a	3092	1/1	0.84	0.16	77,77,77,77	0
56	MG	1A	3717	1/1	0.84	0.19	49,49,49,49	0
56	MG	2a	3106	1/1	0.84	0.25	66,66,66,66	0
56	MG	2a	3107	1/1	0.84	0.20	75,75,75,75	0
56	MG	1a	1752	1/1	0.84	0.20	63,63,63,63	0
56	MG	2A	3823	1/1	0.84	0.25	79,79,79,79	0
56	MG	1A	3164	1/1	0.84	0.36	66,66,66,66	0
56	MG	1A	3333	1/1	0.84	0.19	55,55,55,55	0
56	MG	2A	3213	1/1	0.84	0.14	54,54,54,54	0
56	MG	1A	3292	1/1	0.84	0.15	62,62,62,62	0
56	MG	2A	3403	1/1	0.84	0.14	54,54,54,54	0
56	MG	2A	3217	1/1	0.84	0.16	59,59,59,59	0
56	MG	1a	1639	1/1	0.84	0.16	56,56,56,56	0
56	MG	1a	1779	1/1	0.84	0.16	56,56,56,56	0
56	MG	1B	211	1/1	0.84	0.16	62,62,62,62	0
56	MG	1A	3936	1/1	0.84	0.12	64,64,64,64	0
56	MG	2A	3900	1/1	0.84	0.09	53,53,53,53	0
56	MG	1A	3255	1/1	0.84	0.10	60,60,60,60	0
56	MG	2a	3187	1/1	0.84	0.17	78,78,78,78	0
56	MG	2a	3188	1/1	0.84	0.21	78,78,78,78	0
56	MG	2A	3445	1/1	0.84	0.12	52,52,52,52	0
56	MG	2A	3449	1/1	0.84	0.34	57,57,57,57	0
56	MG	1A	4088	1/1	0.84	0.11	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3804	1/1	0.84	0.13	66,66,66,66	0
56	MG	1B	231	1/1	0.84	0.14	56,56,56,56	0
56	MG	2a	3216	1/1	0.84	0.16	66,66,66,66	0
56	MG	1a	1674	1/1	0.84	0.19	66,66,66,66	0
56	MG	2A	3524	1/1	0.84	0.10	49,49,49,49	0
56	MG	1A	3088	1/1	0.84	0.12	54,54,54,54	0
56	MG	2A	3563	1/1	0.84	0.17	41,41,41,41	0
56	MG	1A	3372	1/1	0.84	0.18	74,74,74,74	0
56	MG	2A	3583	1/1	0.84	0.11	56,56,56,56	0
56	MG	2A	3617	1/1	0.84	0.15	47,47,47,47	0
56	MG	2A	3644	1/1	0.84	0.14	46,46,46,46	0
56	MG	2A	3067	1/1	0.84	0.30	56,56,56,56	0
56	MG	2g	8001	1/1	0.84	0.11	61,61,61,61	0
56	MG	2a	3003	1/1	0.84	0.20	75,75,75,75	0
56	MG	1A	3373	1/1	0.84	0.31	61,61,61,61	0
56	MG	2A	3069	1/1	0.84	0.09	38,38,38,38	0
56	MG	2a	3008	1/1	0.84	0.27	67,67,67,67	0
56	MG	1A	3997	1/1	0.84	0.13	68,68,68,68	0
56	MG	2v	103	1/1	0.84	0.40	67,67,67,67	0
56	MG	2v	104	1/1	0.84	0.20	61,61,61,61	0
56	MG	2v	105	1/1	0.84	0.29	76,76,76,76	0
56	MG	2v	106	1/1	0.84	0.21	68,68,68,68	0
56	MG	2A	3308	1/1	0.84	0.16	56,56,56,56	0
56	MG	1A	3881	1/1	0.84	0.20	78,78,78,78	0
56	MG	2A	3312	1/1	0.84	0.10	60,60,60,60	0
56	MG	1A	4151	1/1	0.84	0.16	59,59,59,59	0
56	MG	2A	3315	1/1	0.84	0.22	62,62,62,62	0
56	MG	2y	3007	1/1	0.84	0.12	84,84,84,84	0
56	MG	1A	3691	1/1	0.84	0.19	55,55,55,55	0
56	MG	2A	3385	1/1	0.85	0.17	55,55,55,55	0
56	MG	1a	1612	1/1	0.85	0.20	62,62,62,62	0
56	MG	2A	3391	1/1	0.85	0.15	58,58,58,58	0
56	MG	1a	1756	1/1	0.85	0.14	66,66,66,66	0
56	MG	1A	3473	1/1	0.85	0.25	59,59,59,59	0
56	MG	1A	3484	1/1	0.85	0.09	58,58,58,58	0
56	MG	1A	4015	1/1	0.85	0.12	73,73,73,73	0
56	MG	2A	3809	1/1	0.85	0.15	67,67,67,67	0
56	MG	2A	3232	1/1	0.85	0.14	52,52,52,52	0
56	MG	2A	3819	1/1	0.85	0.13	64,64,64,64	0
56	MG	2A	3243	1/1	0.85	0.12	60,60,60,60	0
56	MG	2A	3410	1/1	0.85	0.19	71,71,71,71	0
56	MG	1A	3805	1/1	0.85	0.21	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3258	1/1	0.85	0.11	55,55,55,55	0
56	MG	1A	3024	1/1	0.85	0.17	53,53,53,53	0
56	MG	2A	3425	1/1	0.85	0.12	73,73,73,73	0
56	MG	2A	3026	1/1	0.85	0.48	56,56,56,56	0
56	MG	2A	3032	1/1	0.85	0.19	57,57,57,57	0
56	MG	2a	3123	1/1	0.85	0.22	61,61,61,61	0
56	MG	1A	3192	1/1	0.85	0.22	57,57,57,57	0
56	MG	2A	3874	1/1	0.85	0.14	74,74,74,74	0
56	MG	1A	3007	1/1	0.85	0.10	52,52,52,52	0
56	MG	1A	3644	1/1	0.85	0.13	44,44,44,44	0
56	MG	2A	3484	1/1	0.85	0.20	57,57,57,57	0
56	MG	1A	3149	1/1	0.85	0.31	42,42,42,42	0
56	MG	2a	3159	1/1	0.85	0.12	62,62,62,62	0
56	MG	1B	229	1/1	0.85	0.19	66,66,66,66	0
56	MG	1a	1812	1/1	0.85	0.12	58,58,58,58	0
56	MG	1a	1813	1/1	0.85	0.20	76,76,76,76	0
56	MG	2A	3080	1/1	0.85	0.25	57,57,57,57	0
56	MG	2a	3180	1/1	0.85	0.26	70,70,70,70	0
56	MG	2a	3182	1/1	0.85	0.11	74,74,74,74	0
56	MG	1A	3653	1/1	0.85	0.10	50,50,50,50	0
56	MG	2A	3579	1/1	0.85	0.12	39,39,39,39	0
56	MG	1A	3532	1/1	0.85	0.27	51,51,51,51	0
56	MG	1A	3899	1/1	0.85	0.11	35,35,35,35	0
56	MG	1A	3246	1/1	0.85	0.16	54,54,54,54	0
56	MG	1a	1693	1/1	0.85	0.17	66,66,66,66	0
56	MG	2E	307	1/1	0.85	0.11	61,61,61,61	0
56	MG	2Q	3003	1/1	0.85	0.08	41,41,41,41	0
56	MG	2A	3105	1/1	0.85	0.07	44,44,44,44	0
56	MG	2a	3220	1/1	0.85	0.20	62,62,62,62	0
56	MG	2W	204	1/1	0.85	0.13	51,51,51,51	0
56	MG	1A	4093	1/1	0.85	0.16	39,39,39,39	0
56	MG	1A	3299	1/1	0.85	0.16	54,54,54,54	0
56	MG	2A	3666	1/1	0.85	0.09	47,47,47,47	0
56	MG	1A	3357	1/1	0.85	0.27	69,69,69,69	0
56	MG	2a	3230	1/1	0.85	0.15	66,66,66,66	0
56	MG	1A	3732	1/1	0.85	0.15	35,35,35,35	0
56	MG	1X	105	1/1	0.85	0.09	62,62,62,62	0
56	MG	1A	3756	1/1	0.85	0.13	67,67,67,67	0
56	MG	1a	1907	1/1	0.85	0.09	58,58,58,58	0
56	MG	1A	3947	1/1	0.85	0.17	47,47,47,47	0
56	MG	1A	3795	1/1	0.85	0.12	43,43,43,43	0
56	MG	12	3001	1/1	0.85	0.14	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	3714	1/1	0.85	0.11	58,58,58,58	0
56	MG	2A	3361	1/1	0.85	0.07	57,57,57,57	0
56	MG	1A	3157	1/1	0.85	0.28	51,51,51,51	0
56	MG	1A	3974	1/1	0.85	0.18	35,35,35,35	0
56	MG	1a	1604	1/1	0.85	0.18	63,63,63,63	0
56	MG	2A	3751	1/1	0.85	0.09	46,46,46,46	0
56	MG	2A	3754	1/1	0.85	0.13	71,71,71,71	0
56	MG	1A	3361	1/1	0.85	0.16	63,63,63,63	0
56	MG	1A	3801	1/1	0.85	0.12	60,60,60,60	0
56	MG	2a	3036	1/1	0.85	0.10	60,60,60,60	0
56	MG	1A	4181	1/1	0.85	0.20	47,47,47,47	0
56	MG	2A	3382	1/1	0.85	0.18	55,55,55,55	0
56	MG	2a	3050	1/1	0.85	0.23	69,69,69,69	0
56	MG	2A	3384	1/1	0.85	0.11	70,70,70,70	0
56	MG	1A	3992	1/1	0.86	0.20	73,73,73,73	0
56	MG	2A	3065	1/1	0.86	0.17	59,59,59,59	0
56	MG	2A	3259	1/1	0.86	0.08	59,59,59,59	0
56	MG	1A	3399	1/1	0.86	0.22	72,72,72,72	0
56	MG	1A	3680	1/1	0.86	0.24	64,64,64,64	0
56	MG	2A	3401	1/1	0.86	0.23	50,50,50,50	0
56	MG	2A	3778	1/1	0.86	0.11	53,53,53,53	0
56	MG	2a	3077	1/1	0.86	0.24	59,59,59,59	0
56	MG	1A	3998	1/1	0.86	0.18	48,48,48,48	0
56	MG	1a	1716	1/1	0.86	0.30	53,53,53,53	0
56	MG	2A	3280	1/1	0.86	0.09	59,59,59,59	0
56	MG	2A	3807	1/1	0.86	0.10	50,50,50,50	0
56	MG	1A	3684	1/1	0.86	0.25	67,67,67,67	0
56	MG	2A	3414	1/1	0.86	0.08	52,52,52,52	0
56	MG	1A	3368	1/1	0.86	0.19	62,62,62,62	0
56	MG	1A	4021	1/1	0.86	0.10	36,36,36,36	0
56	MG	1A	4034	1/1	0.86	0.11	24,24,24,24	0
56	MG	2A	3098	1/1	0.86	0.17	51,51,51,51	0
56	MG	2A	3100	1/1	0.86	0.24	72,72,72,72	0
56	MG	2A	3431	1/1	0.86	0.08	58,58,58,58	0
56	MG	2a	3121	1/1	0.86	0.19	78,78,78,78	0
56	MG	1a	1897	1/1	0.86	0.17	95,95,95,95	0
56	MG	1A	3570	1/1	0.86	0.13	54,54,54,54	0
56	MG	1A	4201	1/1	0.86	0.22	51,51,51,51	0
56	MG	1A	3079	1/1	0.86	0.09	46,46,46,46	0
56	MG	1A	3577	1/1	0.86	0.17	69,69,69,69	0
56	MG	2A	3498	1/1	0.86	0.15	62,62,62,62	0
56	MG	2A	3499	1/1	0.86	0.30	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	1t	3001	1/1	0.86	0.13	65,65,65,65	0
56	MG	2a	3162	1/1	0.86	0.13	100,100,100,100	0
56	MG	2A	3512	1/1	0.86	0.17	53,53,53,53	0
56	MG	1a	1609	1/1	0.86	0.14	64,64,64,64	0
56	MG	1B	204	1/1	0.86	0.31	61,61,61,61	0
56	MG	2A	3536	1/1	0.86	0.16	60,60,60,60	0
56	MG	2A	3177	1/1	0.86	0.14	46,46,46,46	0
56	MG	1A	3317	1/1	0.86	0.17	53,53,53,53	0
56	MG	1A	3486	1/1	0.86	0.15	52,52,52,52	0
56	MG	1B	210	1/1	0.86	0.24	62,62,62,62	0
56	MG	2A	3338	1/1	0.86	0.34	64,64,64,64	0
56	MG	2a	3192	1/1	0.86	0.18	74,74,74,74	0
56	MG	2A	3593	1/1	0.86	0.15	71,71,71,71	0
56	MG	1A	3132	1/1	0.86	0.23	58,58,58,58	0
56	MG	2A	3622	1/1	0.86	0.14	47,47,47,47	0
56	MG	2N	8001	1/1	0.86	0.10	53,53,53,53	0
56	MG	2a	3199	1/1	0.86	0.34	62,62,62,62	0
56	MG	2A	3632	1/1	0.86	0.08	34,34,34,34	0
56	MG	2A	3191	1/1	0.86	0.14	52,52,52,52	0
56	MG	2A	3344	1/1	0.86	0.33	71,71,71,71	0
56	MG	2A	3349	1/1	0.86	0.20	61,61,61,61	0
56	MG	25	101	1/1	0.86	0.21	57,57,57,57	0
56	MG	1A	3147	1/1	0.86	0.14	45,45,45,45	0
56	MG	2A	3355	1/1	0.86	0.10	73,73,73,73	0
56	MG	2a	3228	1/1	0.86	0.22	66,66,66,66	0
56	MG	2A	3357	1/1	0.86	0.24	66,66,66,66	0
56	MG	2A	3194	1/1	0.86	0.10	63,63,63,63	0
56	MG	2A	3676	1/1	0.86	0.12	55,55,55,55	0
56	MG	2A	3682	1/1	0.86	0.13	56,56,56,56	0
56	MG	1A	3360	1/1	0.86	0.09	54,54,54,54	0
56	MG	2A	3360	1/1	0.86	0.13	70,70,70,70	0
56	MG	2f	3002	1/1	0.86	0.27	63,63,63,63	0
56	MG	1A	3938	1/1	0.86	0.16	60,60,60,60	0
56	MG	2a	3014	1/1	0.86	0.34	70,70,70,70	0
56	MG	1A	3515	1/1	0.86	0.22	55,55,55,55	0
56	MG	1A	3260	1/1	0.86	0.20	57,57,57,57	0
56	MG	1A	4105	1/1	0.86	0.13	33,33,33,33	0
56	MG	1A	3642	1/1	0.86	0.35	53,53,53,53	0
56	MG	2A	3376	1/1	0.86	0.14	59,59,59,59	0
56	MG	2A	3377	1/1	0.86	0.26	64,64,64,64	0
56	MG	2A	3740	1/1	0.86	0.13	73,73,73,73	0
56	MG	1A	3267	1/1	0.86	0.20	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3553	1/1	0.86	0.51	76,76,76,76	0
56	MG	1F	302	1/1	0.86	0.27	66,66,66,66	0
56	MG	2a	3034	1/1	0.86	0.32	64,64,64,64	0
56	MG	2A	3383	1/1	0.86	0.13	59,59,59,59	0
56	MG	1F	310	1/1	0.86	0.21	66,66,66,66	0
56	MG	1a	1834	1/1	0.86	0.21	60,60,60,60	0
57	CPT	1A	4210	4/5	0.86	0.11	77,103,121,207	0
56	MG	1A	4119	1/1	0.86	0.22	73,73,73,73	0
56	MG	1a	1688	1/1	0.87	0.34	71,71,71,71	0
56	MG	1a	1691	1/1	0.87	0.26	79,79,79,79	0
56	MG	2a	3009	1/1	0.87	0.40	72,72,72,72	0
56	MG	1E	312	1/1	0.87	0.14	62,62,62,62	0
56	MG	1A	3728	1/1	0.87	0.12	60,60,60,60	0
56	MG	1a	1700	1/1	0.87	0.24	55,55,55,55	0
56	MG	1x	108	1/1	0.87	0.23	73,73,73,73	0
56	MG	2a	3017	1/1	0.87	0.22	71,71,71,71	0
56	MG	2A	3296	1/1	0.87	0.14	55,55,55,55	0
56	MG	1F	307	1/1	0.87	0.10	35,35,35,35	0
56	MG	1a	1710	1/1	0.87	0.40	79,79,79,79	0
56	MG	1F	308	1/1	0.87	0.11	45,45,45,45	0
56	MG	1F	309	1/1	0.87	0.18	62,62,62,62	0
56	MG	1x	118	1/1	0.87	0.13	66,66,66,66	0
56	MG	1A	3731	1/1	0.87	0.18	57,57,57,57	0
56	MG	2A	3668	1/1	0.87	0.09	41,41,41,41	0
56	MG	1A	3639	1/1	0.87	0.20	56,56,56,56	0
56	MG	1I	3001	1/1	0.87	0.15	76,76,76,76	0
56	MG	1A	3999	1/1	0.87	0.22	32,32,32,32	0
56	MG	2A	3318	1/1	0.87	0.10	61,61,61,61	0
56	MG	1A	3745	1/1	0.87	0.12	49,49,49,49	0
56	MG	1a	1728	1/1	0.87	0.22	62,62,62,62	0
56	MG	2a	3054	1/1	0.87	0.23	61,61,61,61	0
56	MG	2A	3327	1/1	0.87	0.09	54,54,54,54	0
56	MG	1W	3002	1/1	0.87	0.10	51,51,51,51	0
56	MG	2A	3052	1/1	0.87	0.21	61,61,61,61	0
56	MG	1A	4011	1/1	0.87	0.17	73,73,73,73	0
56	MG	1a	1743	1/1	0.87	0.34	66,66,66,66	0
56	MG	2A	3063	1/1	0.87	0.11	46,46,46,46	0
56	MG	2A	3721	1/1	0.87	0.09	45,45,45,45	0
56	MG	2a	3070	1/1	0.87	0.11	76,76,76,76	0
56	MG	2A	3725	1/1	0.87	0.08	52,52,52,52	0
56	MG	1a	1745	1/1	0.87	0.29	58,58,58,58	0
56	MG	2a	3084	1/1	0.87	0.27	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1Z	301	1/1	0.87	0.19	50,50,50,50	0
56	MG	2A	3066	1/1	0.87	0.19	55,55,55,55	0
56	MG	1A	3466	1/1	0.87	0.23	58,58,58,58	0
56	MG	1A	3904	1/1	0.87	0.10	57,57,57,57	0
56	MG	10	106	1/1	0.87	0.21	70,70,70,70	0
56	MG	1A	4180	1/1	0.87	0.11	62,62,62,62	0
56	MG	1A	4024	1/1	0.87	0.13	48,48,48,48	0
56	MG	2A	3759	1/1	0.87	0.10	37,37,37,37	0
56	MG	1A	3774	1/1	0.87	0.18	75,75,75,75	0
56	MG	2a	3112	1/1	0.87	0.20	70,70,70,70	0
56	MG	1a	1757	1/1	0.87	0.33	71,71,71,71	0
56	MG	16	102	1/1	0.87	0.15	68,68,68,68	0
56	MG	18	101	1/1	0.87	0.23	77,77,77,77	0
56	MG	1A	3002	1/1	0.87	0.18	59,59,59,59	0
56	MG	1A	4204	1/1	0.87	0.20	50,50,50,50	0
56	MG	1A	3645	1/1	0.87	0.18	59,59,59,59	0
56	MG	1a	1782	1/1	0.87	0.23	58,58,58,58	0
56	MG	1A	4208	1/1	0.87	0.18	79,79,79,79	0
56	MG	1a	1790	1/1	0.87	0.12	78,78,78,78	0
56	MG	1A	3933	1/1	0.87	0.20	81,81,81,81	0
56	MG	2A	3797	1/1	0.87	0.16	50,50,50,50	0
56	MG	2A	3800	1/1	0.87	0.14	67,67,67,67	0
56	MG	1A	4230	1/1	0.87	0.21	45,45,45,45	0
56	MG	1A	3318	1/1	0.87	0.22	57,57,57,57	0
56	MG	2a	3173	1/1	0.87	0.10	104,104,104,104	0
56	MG	1A	4054	1/1	0.87	0.19	73,73,73,73	0
56	MG	2A	3817	1/1	0.87	0.17	63,63,63,63	0
56	MG	1a	1809	1/1	0.87	0.12	64,64,64,64	0
56	MG	2A	3389	1/1	0.87	0.07	52,52,52,52	0
56	MG	1a	1630	1/1	0.87	0.35	57,57,57,57	0
56	MG	1A	4059	1/1	0.87	0.20	65,65,65,65	0
56	MG	2A	3189	1/1	0.87	0.13	51,51,51,51	0
56	MG	1a	1825	1/1	0.87	0.21	57,57,57,57	0
56	MG	1a	1636	1/1	0.87	0.26	66,66,66,66	0
56	MG	1A	3590	1/1	0.87	0.25	44,44,44,44	0
56	MG	2A	3864	1/1	0.87	0.12	73,73,73,73	0
56	MG	2A	3868	1/1	0.87	0.15	71,71,71,71	0
56	MG	1A	3445	1/1	0.87	0.07	59,59,59,59	0
56	MG	2a	3201	1/1	0.87	0.13	70,70,70,70	0
56	MG	2A	3196	1/1	0.87	0.09	57,57,57,57	0
56	MG	2A	3405	1/1	0.87	0.19	72,72,72,72	0
56	MG	1A	3544	1/1	0.87	0.10	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1B	226	1/1	0.87	0.13	54,54,54,54	0
56	MG	1A	3448	1/1	0.87	0.13	59,59,59,59	0
56	MG	1a	1649	1/1	0.87	0.17	62,62,62,62	0
56	MG	1A	3082	1/1	0.87	0.24	50,50,50,50	0
56	MG	1a	1661	1/1	0.87	0.10	73,73,73,73	0
56	MG	2A	3909	1/1	0.87	0.23	51,51,51,51	0
56	MG	1A	3826	1/1	0.87	0.12	61,61,61,61	0
56	MG	2B	3003	1/1	0.87	0.19	58,58,58,58	0
56	MG	1a	1874	1/1	0.87	0.09	82,82,82,82	0
56	MG	2B	3009	1/1	0.87	0.15	61,61,61,61	0
56	MG	1A	3975	1/1	0.87	0.11	48,48,48,48	0
56	MG	2B	3013	1/1	0.87	0.33	72,72,72,72	0
56	MG	1a	1665	1/1	0.87	0.22	67,67,67,67	0
56	MG	2A	3229	1/1	0.87	0.10	55,55,55,55	0
56	MG	2A	3470	1/1	0.87	0.39	60,60,60,60	0
56	MG	1a	1667	1/1	0.87	0.31	59,59,59,59	0
56	MG	2A	3479	1/1	0.87	0.23	58,58,58,58	0
56	MG	2A	3481	1/1	0.87	0.12	55,55,55,55	0
56	MG	2A	3241	1/1	0.87	0.22	44,44,44,44	0
56	MG	1A	3984	1/1	0.87	0.16	49,49,49,49	0
56	MG	2R	202	1/1	0.87	0.12	50,50,50,50	0
56	MG	2A	3246	1/1	0.87	0.17	59,59,59,59	0
56	MG	2A	3254	1/1	0.87	0.14	56,56,56,56	0
56	MG	1a	1675	1/1	0.87	0.23	53,53,53,53	0
56	MG	1A	3353	1/1	0.87	0.31	69,69,69,69	0
56	MG	1a	1922	1/1	0.87	0.22	52,52,52,52	0
56	MG	2A	3522	1/1	0.87	0.12	63,63,63,63	0
56	MG	1c	301	1/1	0.87	0.26	66,66,66,66	0
56	MG	1A	3988	1/1	0.87	0.21	58,58,58,58	0
56	MG	1A	3458	1/1	0.87	0.30	55,55,55,55	0
57	CPT	2A	3904	4/5	0.87	0.13	79,102,124,194	4
56	MG	1A	3935	1/1	0.88	0.17	58,58,58,58	0
56	MG	2A	3329	1/1	0.88	0.11	58,58,58,58	0
56	MG	1A	3735	1/1	0.88	0.14	61,61,61,61	0
56	MG	1A	3250	1/1	0.88	0.16	58,58,58,58	0
56	MG	1A	3607	1/1	0.88	0.17	62,62,62,62	0
56	MG	1A	3609	1/1	0.88	0.21	50,50,50,50	0
56	MG	2a	3022	1/1	0.88	0.20	67,67,67,67	0
56	MG	2A	3694	1/1	0.88	0.14	60,60,60,60	0
56	MG	2A	3695	1/1	0.88	0.09	43,43,43,43	0
56	MG	1a	1787	1/1	0.88	0.23	61,61,61,61	0
56	MG	2A	3703	1/1	0.88	0.12	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3027	1/1	0.88	0.34	69,69,69,69	0
56	MG	1a	1789	1/1	0.88	0.28	69,69,69,69	0
56	MG	1A	3785	1/1	0.88	0.12	33,33,33,33	0
56	MG	1a	1654	1/1	0.88	0.20	52,52,52,52	0
56	MG	1a	1792	1/1	0.88	0.15	51,51,51,51	0
56	MG	2a	3038	1/1	0.88	0.29	58,58,58,58	0
56	MG	1A	4090	1/1	0.88	0.13	54,54,54,54	0
56	MG	1a	1798	1/1	0.88	0.33	66,66,66,66	0
56	MG	1a	1659	1/1	0.88	0.21	68,68,68,68	0
56	MG	1A	3962	1/1	0.88	0.40	58,58,58,58	0
56	MG	2A	3727	1/1	0.88	0.11	53,53,53,53	0
56	MG	1A	4099	1/1	0.88	0.11	82,82,82,82	0
56	MG	1A	3965	1/1	0.88	0.17	45,45,45,45	0
56	MG	1A	3439	1/1	0.88	0.09	43,43,43,43	0
56	MG	1A	3340	1/1	0.88	0.19	65,65,65,65	0
56	MG	1A	3387	1/1	0.88	0.19	63,63,63,63	0
56	MG	1A	3982	1/1	0.88	0.15	32,32,32,32	0
56	MG	1a	1677	1/1	0.88	0.31	70,70,70,70	0
56	MG	2a	3071	1/1	0.88	0.18	71,71,71,71	0
56	MG	2a	3073	1/1	0.88	0.16	58,58,58,58	0
56	MG	1a	1678	1/1	0.88	0.19	52,52,52,52	0
56	MG	1A	4124	1/1	0.88	0.11	67,67,67,67	0
56	MG	1A	3253	1/1	0.88	0.16	48,48,48,48	0
56	MG	1O	3001	1/1	0.88	0.12	82,82,82,82	0
56	MG	1A	3643	1/1	0.88	0.19	51,51,51,51	0
56	MG	2A	3766	1/1	0.88	0.11	51,51,51,51	0
56	MG	1a	1868	1/1	0.88	0.12	75,75,75,75	0
56	MG	2A	3195	1/1	0.88	0.22	53,53,53,53	0
56	MG	2a	3098	1/1	0.88	0.30	61,61,61,61	0
56	MG	2a	3099	1/1	0.88	0.16	60,60,60,60	0
56	MG	1a	1689	1/1	0.88	0.14	65,65,65,65	0
56	MG	2a	3105	1/1	0.88	0.14	57,57,57,57	0
56	MG	1S	3002	1/1	0.88	0.16	63,63,63,63	0
56	MG	1A	4145	1/1	0.88	0.13	35,35,35,35	0
56	MG	2A	3784	1/1	0.88	0.11	48,48,48,48	0
56	MG	2a	3110	1/1	0.88	0.22	53,53,53,53	0
56	MG	2A	3207	1/1	0.88	0.07	38,38,38,38	0
56	MG	2a	3113	1/1	0.88	0.14	73,73,73,73	0
56	MG	1a	1876	1/1	0.88	0.11	65,65,65,65	0
56	MG	2A	3211	1/1	0.88	0.13	56,56,56,56	0
56	MG	1U	204	1/1	0.88	0.60	66,66,66,66	0
56	MG	1a	1695	1/1	0.88	0.23	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3392	1/1	0.88	0.29	55,55,55,55	0
56	MG	2A	3813	1/1	0.88	0.16	39,39,39,39	0
56	MG	2A	3815	1/1	0.88	0.09	69,69,69,69	0
56	MG	1A	3394	1/1	0.88	0.25	63,63,63,63	0
56	MG	2a	3149	1/1	0.88	0.12	86,86,86,86	0
56	MG	1a	1915	1/1	0.88	0.10	68,68,68,68	0
56	MG	1A	3993	1/1	0.88	0.20	55,55,55,55	0
56	MG	1A	3648	1/1	0.88	0.17	53,53,53,53	0
56	MG	2A	3413	1/1	0.88	0.11	61,61,61,61	0
56	MG	1A	3825	1/1	0.88	0.14	49,49,49,49	0
56	MG	2A	3421	1/1	0.88	0.07	60,60,60,60	0
56	MG	1A	4179	1/1	0.88	0.13	51,51,51,51	0
56	MG	1f	3002	1/1	0.88	0.24	61,61,61,61	0
56	MG	1a	1717	1/1	0.88	0.22	63,63,63,63	0
56	MG	2A	3858	1/1	0.88	0.14	52,52,52,52	0
56	MG	2A	3244	1/1	0.88	0.15	46,46,46,46	0
56	MG	1a	1722	1/1	0.88	0.33	58,58,58,58	0
56	MG	2A	3253	1/1	0.88	0.19	57,57,57,57	0
56	MG	1A	3460	1/1	0.88	0.14	62,62,62,62	0
56	MG	1A	3398	1/1	0.88	0.12	41,41,41,41	0
56	MG	2A	3881	1/1	0.88	0.29	71,71,71,71	0
56	MG	2A	3453	1/1	0.88	0.27	53,53,53,53	0
56	MG	2A	3460	1/1	0.88	0.18	66,66,66,66	0
56	MG	2A	3468	1/1	0.88	0.33	62,62,62,62	0
56	MG	1A	4002	1/1	0.88	0.15	45,45,45,45	0
56	MG	2A	3472	1/1	0.88	0.19	55,55,55,55	0
56	MG	1A	3574	1/1	0.88	0.16	49,49,49,49	0
56	MG	2a	3207	1/1	0.88	0.17	71,71,71,71	0
56	MG	2a	3209	1/1	0.88	0.16	61,61,61,61	0
56	MG	1A	3575	1/1	0.88	0.21	54,54,54,54	0
56	MG	2a	3219	1/1	0.88	0.23	81,81,81,81	0
56	MG	1a	1729	1/1	0.88	0.20	47,47,47,47	0
56	MG	2A	3920	1/1	0.88	0.26	60,60,60,60	0
56	MG	2B	3002	1/1	0.88	0.09	60,60,60,60	0
56	MG	2A	3262	1/1	0.88	0.11	55,55,55,55	0
56	MG	2A	3263	1/1	0.88	0.14	58,58,58,58	0
56	MG	2a	3227	1/1	0.88	0.12	68,68,68,68	0
56	MG	2A	3495	1/1	0.88	0.25	66,66,66,66	0
56	MG	1a	1732	1/1	0.88	0.24	57,57,57,57	0
56	MG	2A	3270	1/1	0.88	0.18	65,65,65,65	0
56	MG	2A	3271	1/1	0.88	0.16	59,59,59,59	0
56	MG	2a	3233	1/1	0.88	0.28	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	1A	3688	1/1	0.88	0.34	53,53,53,53	0
56	MG	1A	3185	1/1	0.88	0.16	41,41,41,41	0
56	MG	1a	1605	1/1	0.88	0.16	72,72,72,72	0
56	MG	2A	3286	1/1	0.88	0.12	52,52,52,52	0
56	MG	1A	3001	1/1	0.88	0.14	47,47,47,47	0
56	MG	1y	3003	1/1	0.88	0.14	85,85,85,85	0
56	MG	1A	3144	1/1	0.88	0.15	50,50,50,50	0
56	MG	1a	1747	1/1	0.88	0.22	60,60,60,60	0
56	MG	1a	1749	1/1	0.88	0.12	62,62,62,62	0
56	MG	1A	3411	1/1	0.88	0.10	58,58,58,58	0
56	MG	2Z	8001	1/1	0.88	0.15	65,65,65,65	0
56	MG	2A	3591	1/1	0.88	0.09	46,46,46,46	0
56	MG	1A	3061	1/1	0.88	0.17	56,56,56,56	0
56	MG	2A	3609	1/1	0.88	0.16	60,60,60,60	0
56	MG	1A	3912	1/1	0.88	0.14	44,44,44,44	0
56	MG	1A	4048	1/1	0.88	0.08	68,68,68,68	0
56	MG	1a	1618	1/1	0.88	0.14	51,51,51,51	0
56	MG	1a	1624	1/1	0.88	0.16	60,60,60,60	0
56	MG	2x	106	1/1	0.88	0.23	57,57,57,57	0
56	MG	2y	3002	1/1	0.88	0.13	58,58,58,58	0
56	MG	2y	3003	1/1	0.88	0.13	71,71,71,71	0
56	MG	1A	3182	1/1	0.88	0.23	58,58,58,58	0
56	MG	1a	1759	1/1	0.88	0.15	53,53,53,53	0
56	MG	1A	3322	1/1	0.88	0.22	50,50,50,50	0
56	MG	1a	1776	1/1	0.88	0.35	69,69,69,69	0
56	MG	1A	3734	1/1	0.88	0.15	55,55,55,55	0
56	MG	2A	3339	1/1	0.89	0.08	56,56,56,56	0
56	MG	1A	3646	1/1	0.89	0.10	49,49,49,49	0
56	MG	1A	3331	1/1	0.89	0.38	67,67,67,67	0
56	MG	1a	1814	1/1	0.89	0.32	71,71,71,71	0
56	MG	1N	3004	1/1	0.89	0.35	60,60,60,60	0
56	MG	1a	1832	1/1	0.89	0.12	59,59,59,59	0
56	MG	2A	3137	1/1	0.89	0.18	52,52,52,52	0
56	MG	1A	3474	1/1	0.89	0.11	51,51,51,51	0
56	MG	1O	3003	1/1	0.89	0.09	50,50,50,50	0
56	MG	1A	3808	1/1	0.89	0.14	50,50,50,50	0
56	MG	2A	3173	1/1	0.89	0.13	61,61,61,61	0
56	MG	1a	1846	1/1	0.89	0.29	56,56,56,56	0
56	MG	2A	3720	1/1	0.89	0.18	57,57,57,57	0
56	MG	2a	3037	1/1	0.89	0.12	92,92,92,92	0
56	MG	1a	1850	1/1	0.89	0.18	59,59,59,59	0
56	MG	1A	4142	1/1	0.89	0.12	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3364	1/1	0.89	0.08	56,56,56,56	0
56	MG	2a	3048	1/1	0.89	0.19	58,58,58,58	0
56	MG	2A	3368	1/1	0.89	0.32	65,65,65,65	0
56	MG	2A	3732	1/1	0.89	0.08	53,53,53,53	0
56	MG	2a	3055	1/1	0.89	0.12	67,67,67,67	0
56	MG	1A	3480	1/1	0.89	0.10	53,53,53,53	0
56	MG	2A	3742	1/1	0.89	0.10	43,43,43,43	0
56	MG	1A	3673	1/1	0.89	0.16	50,50,50,50	0
56	MG	1A	4147	1/1	0.89	0.10	79,79,79,79	0
56	MG	1A	3099	1/1	0.89	0.19	57,57,57,57	0
56	MG	2A	3378	1/1	0.89	0.10	58,58,58,58	0
56	MG	1a	1711	1/1	0.89	0.22	54,54,54,54	0
56	MG	1X	106	1/1	0.89	0.11	56,56,56,56	0
56	MG	1A	3301	1/1	0.89	0.32	58,58,58,58	0
56	MG	1A	4154	1/1	0.89	0.12	88,88,88,88	0
56	MG	1A	3487	1/1	0.89	0.53	62,62,62,62	0
56	MG	10	105	1/1	0.89	0.19	66,66,66,66	0
56	MG	1A	3489	1/1	0.89	0.14	52,52,52,52	0
56	MG	1A	4003	1/1	0.89	0.17	57,57,57,57	0
56	MG	2A	3208	1/1	0.89	0.08	50,50,50,50	0
56	MG	1A	4007	1/1	0.89	0.13	51,51,51,51	0
56	MG	1A	3065	1/1	0.89	0.37	61,61,61,61	0
56	MG	1A	4186	1/1	0.89	0.23	66,66,66,66	0
56	MG	1A	3703	1/1	0.89	0.19	47,47,47,47	0
56	MG	2A	3214	1/1	0.89	0.10	64,64,64,64	0
56	MG	2A	3785	1/1	0.89	0.24	57,57,57,57	0
56	MG	1A	4195	1/1	0.89	0.30	59,59,59,59	0
56	MG	1A	3712	1/1	0.89	0.15	39,39,39,39	0
56	MG	1A	3713	1/1	0.89	0.14	50,50,50,50	0
56	MG	1A	3903	1/1	0.89	0.14	51,51,51,51	0
56	MG	2A	3223	1/1	0.89	0.11	50,50,50,50	0
56	MG	1A	3498	1/1	0.89	0.26	64,64,64,64	0
56	MG	1A	3121	1/1	0.89	0.20	54,54,54,54	0
56	MG	1A	3506	1/1	0.89	0.16	55,55,55,55	0
56	MG	2a	3118	1/1	0.89	0.29	70,70,70,70	0
56	MG	1A	3382	1/1	0.89	0.20	53,53,53,53	0
56	MG	1A	3231	1/1	0.89	0.11	54,54,54,54	0
56	MG	2A	3424	1/1	0.89	0.14	65,65,65,65	0
56	MG	1A	4051	1/1	0.89	0.12	55,55,55,55	0
56	MG	1A	3384	1/1	0.89	0.10	51,51,51,51	0
56	MG	2A	3250	1/1	0.89	0.42	62,62,62,62	0
56	MG	2a	3142	1/1	0.89	0.11	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3527	1/1	0.89	0.09	55,55,55,55	0
56	MG	2A	3435	1/1	0.89	0.19	44,44,44,44	0
56	MG	2a	3150	1/1	0.89	0.14	61,61,61,61	0
56	MG	2a	3152	1/1	0.89	0.12	69,69,69,69	0
56	MG	2A	3837	1/1	0.89	0.13	48,48,48,48	0
56	MG	2A	3442	1/1	0.89	0.21	48,48,48,48	0
56	MG	1A	3629	1/1	0.89	0.23	62,62,62,62	0
56	MG	1B	223	1/1	0.89	0.16	75,75,75,75	0
56	MG	2A	3452	1/1	0.89	0.20	60,60,60,60	0
56	MG	2A	3256	1/1	0.89	0.19	58,58,58,58	0
56	MG	2A	3454	1/1	0.89	0.16	48,48,48,48	0
56	MG	1A	4063	1/1	0.89	0.24	63,63,63,63	0
56	MG	1A	3366	1/1	0.89	0.31	60,60,60,60	0
56	MG	2A	3878	1/1	0.89	0.19	64,64,64,64	0
56	MG	2A	3469	1/1	0.89	0.25	61,61,61,61	0
56	MG	1a	1761	1/1	0.89	0.31	55,55,55,55	0
56	MG	2A	3888	1/1	0.89	0.11	42,42,42,42	0
56	MG	1A	3635	1/1	0.89	0.26	59,59,59,59	0
56	MG	2a	3191	1/1	0.89	0.10	65,65,65,65	0
56	MG	2A	3894	1/1	0.89	0.10	60,60,60,60	0
56	MG	2A	3473	1/1	0.89	0.24	60,60,60,60	0
56	MG	2A	3899	1/1	0.89	0.31	61,61,61,61	0
56	MG	1A	3776	1/1	0.89	0.12	43,43,43,43	0
56	MG	2A	3002	1/1	0.89	0.28	61,61,61,61	0
56	MG	1a	1777	1/1	0.89	0.27	51,51,51,51	0
56	MG	2A	3908	1/1	0.89	0.12	43,43,43,43	0
56	MG	2a	3202	1/1	0.89	0.12	65,65,65,65	0
56	MG	1A	3778	1/1	0.89	0.19	66,66,66,66	0
56	MG	1A	4086	1/1	0.89	0.28	57,57,57,57	0
56	MG	2A	3915	1/1	0.89	0.08	54,54,54,54	0
56	MG	2a	3210	1/1	0.89	0.16	58,58,58,58	0
56	MG	2a	3214	1/1	0.89	0.14	63,63,63,63	0
56	MG	2A	3274	1/1	0.89	0.11	52,52,52,52	0
56	MG	2A	3030	1/1	0.89	0.08	35,35,35,35	0
56	MG	1A	3541	1/1	0.89	0.15	48,48,48,48	0
56	MG	2A	3282	1/1	0.89	0.07	64,64,64,64	0
56	MG	2A	3040	1/1	0.89	0.17	42,42,42,42	0
56	MG	1A	3790	1/1	0.89	0.15	46,46,46,46	0
56	MG	2B	3012	1/1	0.89	0.18	58,58,58,58	0
56	MG	2A	3050	1/1	0.89	0.18	47,47,47,47	0
56	MG	1D	312	1/1	0.89	0.11	63,63,63,63	0
56	MG	1E	306	1/1	0.89	0.11	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	3548	1/1	0.89	0.10	49,49,49,49	0
56	MG	1a	1785	1/1	0.89	0.16	71,71,71,71	0
56	MG	2A	3062	1/1	0.89	0.13	54,54,54,54	0
56	MG	1E	307	1/1	0.89	0.33	67,67,67,67	0
56	MG	2F	302	1/1	0.89	0.17	63,63,63,63	0
56	MG	1A	3417	1/1	0.89	0.24	67,67,67,67	0
56	MG	1A	3968	1/1	0.89	0.12	63,63,63,63	0
56	MG	1A	3418	1/1	0.89	0.14	49,49,49,49	0
56	MG	2T	3001	1/1	0.89	0.12	74,74,74,74	0
56	MG	1a	1670	1/1	0.89	0.25	56,56,56,56	0
56	MG	1a	1793	1/1	0.89	0.12	65,65,65,65	0
56	MG	1F	303	1/1	0.89	0.10	57,57,57,57	0
56	MG	2p	3001	1/1	0.89	0.11	63,63,63,63	0
56	MG	2q	202	1/1	0.89	0.25	74,74,74,74	0
56	MG	2q	204	1/1	0.89	0.17	68,68,68,68	0
56	MG	2r	3001	1/1	0.89	0.19	75,75,75,75	0
56	MG	2t	3001	1/1	0.89	0.18	63,63,63,63	0
56	MG	2A	3070	1/1	0.89	0.10	34,34,34,34	0
56	MG	2A	3631	1/1	0.89	0.11	47,47,47,47	0
56	MG	2A	3073	1/1	0.89	0.08	43,43,43,43	0
56	MG	2A	3639	1/1	0.89	0.22	49,49,49,49	0
56	MG	2a	3001	1/1	0.89	0.15	62,62,62,62	0
56	MG	2w	102	1/1	0.89	0.11	60,60,60,60	0
56	MG	2A	3076	1/1	0.89	0.19	39,39,39,39	0
56	MG	2A	3645	1/1	0.89	0.12	40,40,40,40	0
56	MG	2w	106	1/1	0.89	0.08	71,71,71,71	0
56	MG	2w	107	1/1	0.89	0.17	63,63,63,63	0
56	MG	2A	3655	1/1	0.89	0.26	58,58,58,58	0
56	MG	2a	3006	1/1	0.89	0.30	65,65,65,65	0
56	MG	1A	3265	1/1	0.89	0.10	64,64,64,64	0
56	MG	1a	1802	1/1	0.89	0.50	63,63,63,63	0
56	MG	1A	3979	1/1	0.89	0.13	46,46,46,46	0
56	MG	1A	3560	1/1	0.89	0.20	55,55,55,55	0
56	MG	2A	3092	1/1	0.89	0.23	34,34,34,34	0
56	MG	1a	1806	1/1	0.89	0.12	53,53,53,53	0
56	MG	2A	3335	1/1	0.89	0.19	52,52,52,52	0
56	MG	1A	3983	1/1	0.89	0.19	73,73,73,73	0
56	MG	2A	3537	1/1	0.90	0.12	50,50,50,50	0
56	MG	2A	3545	1/1	0.90	0.08	30,30,30,30	0
56	MG	1A	3227	1/1	0.90	0.30	65,65,65,65	0
56	MG	2A	3295	1/1	0.90	0.20	43,43,43,43	0
56	MG	2A	3560	1/1	0.90	0.13	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	1a	1640	1/1	0.90	0.28	52,52,52,52	0
56	MG	2A	3569	1/1	0.90	0.10	32,32,32,32	0
56	MG	2A	3297	1/1	0.90	0.11	54,54,54,54	0
56	MG	2a	3005	1/1	0.90	0.16	54,54,54,54	0
56	MG	2A	3059	1/1	0.90	0.18	57,57,57,57	0
56	MG	2A	3300	1/1	0.90	0.09	63,63,63,63	0
56	MG	2A	3589	1/1	0.90	0.13	65,65,65,65	0
56	MG	1A	3459	1/1	0.90	0.16	53,53,53,53	0
56	MG	1A	3624	1/1	0.90	0.26	60,60,60,60	0
56	MG	2a	3011	1/1	0.90	0.18	69,69,69,69	0
56	MG	2A	3602	1/1	0.90	0.11	52,52,52,52	0
56	MG	1a	1645	1/1	0.90	0.21	53,53,53,53	0
56	MG	2A	3310	1/1	0.90	0.20	49,49,49,49	0
56	MG	1A	3920	1/1	0.90	0.16	60,60,60,60	0
56	MG	1A	4058	1/1	0.90	0.22	65,65,65,65	0
56	MG	1A	3926	1/1	0.90	0.10	62,62,62,62	0
56	MG	1A	3931	1/1	0.90	0.33	59,59,59,59	0
56	MG	2A	3640	1/1	0.90	0.15	45,45,45,45	0
56	MG	1a	1795	1/1	0.90	0.38	67,67,67,67	0
56	MG	1A	3520	1/1	0.90	0.08	52,52,52,52	0
56	MG	2A	3648	1/1	0.90	0.09	51,51,51,51	0
56	MG	1A	3155	1/1	0.90	0.16	47,47,47,47	0
56	MG	2A	3656	1/1	0.90	0.11	58,58,58,58	0
56	MG	1A	3530	1/1	0.90	0.23	43,43,43,43	0
56	MG	2a	3030	1/1	0.90	0.12	52,52,52,52	0
56	MG	2A	3661	1/1	0.90	0.11	39,39,39,39	0
56	MG	2a	3033	1/1	0.90	0.14	55,55,55,55	0
56	MG	1A	3757	1/1	0.90	0.13	51,51,51,51	0
56	MG	2A	3328	1/1	0.90	0.11	58,58,58,58	0
56	MG	2A	3081	1/1	0.90	0.13	51,51,51,51	0
56	MG	1A	3407	1/1	0.90	0.27	61,61,61,61	0
56	MG	2a	3043	1/1	0.90	0.29	61,61,61,61	0
56	MG	1E	302	1/1	0.90	0.18	51,51,51,51	0
56	MG	2a	3046	1/1	0.90	0.19	50,50,50,50	0
56	MG	1A	3943	1/1	0.90	0.13	68,68,68,68	0
56	MG	2A	3674	1/1	0.90	0.12	49,49,49,49	0
56	MG	2A	3675	1/1	0.90	0.11	42,42,42,42	0
56	MG	2A	3333	1/1	0.90	0.12	53,53,53,53	0
56	MG	2A	3677	1/1	0.90	0.13	44,44,44,44	0
56	MG	1A	3538	1/1	0.90	0.20	50,50,50,50	0
56	MG	1A	3948	1/1	0.90	0.17	53,53,53,53	0
56	MG	2a	3058	1/1	0.90	0.09	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3540	1/1	0.90	0.13	60,60,60,60	0
56	MG	2A	3692	1/1	0.90	0.11	65,65,65,65	0
56	MG	1a	1816	1/1	0.90	0.36	59,59,59,59	0
56	MG	1A	3958	1/1	0.90	0.14	48,48,48,48	0
56	MG	1A	3961	1/1	0.90	0.23	60,60,60,60	0
56	MG	2A	3348	1/1	0.90	0.12	55,55,55,55	0
56	MG	1A	3128	1/1	0.90	0.18	49,49,49,49	0
56	MG	2A	3352	1/1	0.90	0.09	47,47,47,47	0
56	MG	2a	3075	1/1	0.90	0.28	70,70,70,70	0
56	MG	1A	3236	1/1	0.90	0.10	64,64,64,64	0
56	MG	1A	3791	1/1	0.90	0.24	61,61,61,61	0
56	MG	1A	3472	1/1	0.90	0.14	59,59,59,59	0
56	MG	1a	1690	1/1	0.90	0.28	71,71,71,71	0
56	MG	2A	3157	1/1	0.90	0.13	45,45,45,45	0
56	MG	2A	3723	1/1	0.90	0.12	50,50,50,50	0
56	MG	2A	3163	1/1	0.90	0.14	55,55,55,55	0
56	MG	1A	4123	1/1	0.90	0.09	78,78,78,78	0
56	MG	1A	3308	1/1	0.90	0.34	62,62,62,62	0
56	MG	1A	4126	1/1	0.90	0.09	67,67,67,67	0
56	MG	1a	1862	1/1	0.90	0.09	49,49,49,49	0
56	MG	2A	3366	1/1	0.90	0.24	52,52,52,52	0
56	MG	2A	3367	1/1	0.90	0.11	59,59,59,59	0
56	MG	1A	3241	1/1	0.90	0.13	37,37,37,37	0
56	MG	1a	1865	1/1	0.90	0.11	51,51,51,51	0
56	MG	1A	3978	1/1	0.90	0.13	35,35,35,35	0
56	MG	2A	3375	1/1	0.90	0.11	59,59,59,59	0
56	MG	1A	3315	1/1	0.90	0.23	51,51,51,51	0
56	MG	1A	3196	1/1	0.90	0.29	44,44,44,44	0
56	MG	1a	1870	1/1	0.90	0.13	81,81,81,81	0
56	MG	1S	3003	1/1	0.90	0.11	72,72,72,72	0
56	MG	1A	3662	1/1	0.90	0.23	59,59,59,59	0
56	MG	1A	3668	1/1	0.90	0.16	48,48,48,48	0
56	MG	1a	1878	1/1	0.90	0.09	70,70,70,70	0
56	MG	2A	3768	1/1	0.90	0.15	66,66,66,66	0
56	MG	2A	3201	1/1	0.90	0.25	61,61,61,61	0
56	MG	2A	3203	1/1	0.90	0.11	48,48,48,48	0
56	MG	1A	3986	1/1	0.90	0.14	39,39,39,39	0
56	MG	2a	3146	1/1	0.90	0.06	114,114,114,114	0
56	MG	2A	3388	1/1	0.90	0.12	65,65,65,65	0
56	MG	1A	3671	1/1	0.90	0.20	49,49,49,49	0
56	MG	1a	1720	1/1	0.90	0.35	62,62,62,62	0
56	MG	1A	3214	1/1	0.90	0.09	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3209	1/1	0.90	0.11	61,61,61,61	0
56	MG	1A	3678	1/1	0.90	0.21	50,50,50,50	0
56	MG	2A	3398	1/1	0.90	0.18	48,48,48,48	0
56	MG	2A	3399	1/1	0.90	0.13	49,49,49,49	0
56	MG	1A	3319	1/1	0.90	0.28	58,58,58,58	0
56	MG	1A	4171	1/1	0.90	0.14	74,74,74,74	0
56	MG	2A	3810	1/1	0.90	0.08	59,59,59,59	0
56	MG	10	103	1/1	0.90	0.51	54,54,54,54	0
56	MG	10	104	1/1	0.90	0.21	53,53,53,53	0
56	MG	1A	3828	1/1	0.90	0.10	47,47,47,47	0
56	MG	2A	3409	1/1	0.90	0.11	51,51,51,51	0
56	MG	1l	202	1/1	0.90	0.15	63,63,63,63	0
56	MG	1A	3833	1/1	0.90	0.14	37,37,37,37	0
56	MG	2A	3221	1/1	0.90	0.08	49,49,49,49	0
56	MG	1A	3273	1/1	0.90	0.19	45,45,45,45	0
56	MG	1w	102	1/1	0.90	0.13	77,77,77,77	0
56	MG	2A	3224	1/1	0.90	0.12	55,55,55,55	0
56	MG	2A	3835	1/1	0.90	0.10	32,32,32,32	0
56	MG	1A	3847	1/1	0.90	0.11	60,60,60,60	0
56	MG	1w	104	1/1	0.90	0.18	54,54,54,54	0
56	MG	1A	3848	1/1	0.90	0.21	57,57,57,57	0
56	MG	2A	3855	1/1	0.90	0.11	47,47,47,47	0
56	MG	1A	3324	1/1	0.90	0.09	62,62,62,62	0
56	MG	1A	3496	1/1	0.90	0.10	57,57,57,57	0
56	MG	1a	1602	1/1	0.90	0.18	83,83,83,83	0
56	MG	1A	3585	1/1	0.90	0.33	49,49,49,49	0
56	MG	2A	3248	1/1	0.90	0.13	66,66,66,66	0
56	MG	2a	3215	1/1	0.90	0.21	69,69,69,69	0
56	MG	1A	4206	1/1	0.90	0.18	45,45,45,45	0
56	MG	2A	3875	1/1	0.90	0.14	48,48,48,48	0
56	MG	2A	3446	1/1	0.90	0.12	49,49,49,49	0
56	MG	2A	3447	1/1	0.90	0.28	51,51,51,51	0
56	MG	2A	3251	1/1	0.90	0.15	68,68,68,68	0
56	MG	1A	3446	1/1	0.90	0.15	55,55,55,55	0
56	MG	1x	114	1/1	0.90	0.17	59,59,59,59	0
56	MG	1A	3328	1/1	0.90	0.35	53,53,53,53	0
56	MG	2A	3458	1/1	0.90	0.28	57,57,57,57	0
56	MG	2A	3898	1/1	0.90	0.10	55,55,55,55	0
56	MG	2A	3459	1/1	0.90	0.16	46,46,46,46	0
56	MG	1A	3503	1/1	0.90	0.18	56,56,56,56	0
56	MG	2A	3461	1/1	0.90	0.15	47,47,47,47	0
56	MG	2A	3462	1/1	0.90	0.21	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3257	1/1	0.90	0.24	70,70,70,70	0
56	MG	1A	4219	1/1	0.90	0.12	41,41,41,41	0
56	MG	1A	4220	1/1	0.90	0.14	48,48,48,48	0
56	MG	1A	4224	1/1	0.90	0.18	49,49,49,49	0
56	MG	1A	3395	1/1	0.90	0.55	46,46,46,46	0
56	MG	1a	1760	1/1	0.90	0.13	48,48,48,48	0
56	MG	2A	3478	1/1	0.90	0.16	46,46,46,46	0
56	MG	1A	4240	1/1	0.90	0.10	51,51,51,51	0
56	MG	2A	3480	1/1	0.90	0.17	50,50,50,50	0
56	MG	2B	3010	1/1	0.90	0.09	59,59,59,59	0
56	MG	2A	3011	1/1	0.90	0.09	47,47,47,47	0
56	MG	1a	1623	1/1	0.90	0.09	56,56,56,56	0
56	MG	2A	3485	1/1	0.90	0.08	52,52,52,52	0
56	MG	2A	3488	1/1	0.90	0.24	53,53,53,53	0
56	MG	1a	1771	1/1	0.90	0.22	51,51,51,51	0
56	MG	2A	3029	1/1	0.90	0.10	51,51,51,51	0
56	MG	2B	3017	1/1	0.90	0.11	68,68,68,68	0
56	MG	2A	3497	1/1	0.90	0.48	58,58,58,58	0
56	MG	1A	4248	1/1	0.90	0.20	53,53,53,53	0
56	MG	1a	1626	1/1	0.90	0.21	48,48,48,48	0
56	MG	2E	308	1/1	0.90	0.39	59,59,59,59	0
56	MG	2w	105	1/1	0.90	0.12	71,71,71,71	0
56	MG	2A	3038	1/1	0.90	0.12	36,36,36,36	0
56	MG	2F	303	1/1	0.90	0.13	52,52,52,52	0
56	MG	2G	3001	1/1	0.90	0.07	46,46,46,46	0
56	MG	2A	3511	1/1	0.90	0.23	52,52,52,52	0
56	MG	1A	3218	1/1	0.90	0.21	55,55,55,55	0
56	MG	2A	3514	1/1	0.90	0.11	48,48,48,48	0
56	MG	2A	3285	1/1	0.90	0.09	55,55,55,55	0
56	MG	2U	201	1/1	0.90	0.21	56,56,56,56	0
56	MG	1A	3604	1/1	0.90	0.10	42,42,42,42	0
56	MG	2W	201	1/1	0.90	0.13	61,61,61,61	0
56	MG	1A	3909	1/1	0.90	0.08	50,50,50,50	0
56	MG	1A	3910	1/1	0.90	0.08	35,35,35,35	0
58	K	2A	3922	1/1	0.90	0.12	72,72,72,72	0
56	MG	2A	3600	1/1	0.91	0.22	62,62,62,62	0
56	MG	20	102	1/1	0.91	0.32	56,56,56,56	0
56	MG	23	3001	1/1	0.91	0.16	56,56,56,56	0
56	MG	23	3002	1/1	0.91	0.14	53,53,53,53	0
56	MG	1A	3729	1/1	0.91	0.09	48,48,48,48	0
56	MG	2A	3604	1/1	0.91	0.11	34,34,34,34	0
56	MG	25	105	1/1	0.91	0.10	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	3607	1/1	0.91	0.24	51,51,51,51	0
56	MG	28	103	1/1	0.91	0.26	63,63,63,63	0
56	MG	1A	4257	1/1	0.91	0.12	41,41,41,41	0
56	MG	2A	3616	1/1	0.91	0.09	31,31,31,31	0
56	MG	1A	3730	1/1	0.91	0.13	44,44,44,44	0
56	MG	1a	1643	1/1	0.91	0.15	57,57,57,57	0
56	MG	2A	3627	1/1	0.91	0.09	43,43,43,43	0
56	MG	2A	3629	1/1	0.91	0.18	56,56,56,56	0
56	MG	2A	3087	1/1	0.91	0.21	57,57,57,57	0
56	MG	1A	3293	1/1	0.91	0.15	57,57,57,57	0
56	MG	1A	3626	1/1	0.91	0.11	64,64,64,64	0
56	MG	1A	3204	1/1	0.91	0.07	48,48,48,48	0
56	MG	1A	3631	1/1	0.91	0.23	57,57,57,57	0
56	MG	1A	4057	1/1	0.91	0.09	47,47,47,47	0
56	MG	1a	1657	1/1	0.91	0.26	48,48,48,48	0
56	MG	1A	3928	1/1	0.91	0.14	47,47,47,47	0
56	MG	2A	3102	1/1	0.91	0.07	55,55,55,55	0
56	MG	1A	3633	1/1	0.91	0.28	55,55,55,55	0
56	MG	1A	3932	1/1	0.91	0.09	40,40,40,40	0
56	MG	1a	1818	1/1	0.91	0.16	45,45,45,45	0
56	MG	2A	3110	1/1	0.91	0.15	46,46,46,46	0
56	MG	1a	1820	1/1	0.91	0.12	46,46,46,46	0
56	MG	2A	3121	1/1	0.91	0.11	53,53,53,53	0
56	MG	2A	3122	1/1	0.91	0.12	47,47,47,47	0
56	MG	2A	3126	1/1	0.91	0.06	50,50,50,50	0
56	MG	1A	4064	1/1	0.91	0.12	39,39,39,39	0
56	MG	2A	3146	1/1	0.91	0.13	56,56,56,56	0
56	MG	2A	3152	1/1	0.91	0.13	53,53,53,53	0
56	MG	1A	3471	1/1	0.91	0.16	65,65,65,65	0
56	MG	1a	1833	1/1	0.91	0.14	70,70,70,70	0
56	MG	1A	3336	1/1	0.91	0.26	59,59,59,59	0
56	MG	2A	3687	1/1	0.91	0.08	53,53,53,53	0
56	MG	2A	3162	1/1	0.91	0.10	56,56,56,56	0
56	MG	2A	3691	1/1	0.91	0.16	66,66,66,66	0
56	MG	1A	3772	1/1	0.91	0.09	47,47,47,47	0
56	MG	1A	4078	1/1	0.91	0.10	24,24,24,24	0
56	MG	2A	3370	1/1	0.91	0.16	62,62,62,62	0
56	MG	2A	3167	1/1	0.91	0.17	41,41,41,41	0
56	MG	2A	3698	1/1	0.91	0.08	32,32,32,32	0
56	MG	2A	3169	1/1	0.91	0.12	49,49,49,49	0
56	MG	1A	4083	1/1	0.91	0.12	63,63,63,63	0
56	MG	2A	3706	1/1	0.91	0.10	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	1A	3637	1/1	0.91	0.08	51,51,51,51	0
56	MG	2A	3176	1/1	0.91	0.08	62,62,62,62	0
56	MG	1a	1851	1/1	0.91	0.10	76,76,76,76	0
56	MG	1A	3412	1/1	0.91	0.12	56,56,56,56	0
56	MG	2A	3719	1/1	0.91	0.12	55,55,55,55	0
56	MG	2a	3061	1/1	0.91	0.22	69,69,69,69	0
56	MG	1A	3248	1/1	0.91	0.24	67,67,67,67	0
56	MG	2a	3065	1/1	0.91	0.28	47,47,47,47	0
56	MG	2A	3381	1/1	0.91	0.13	53,53,53,53	0
56	MG	1A	3945	1/1	0.91	0.14	35,35,35,35	0
56	MG	1a	1681	1/1	0.91	0.13	60,60,60,60	0
56	MG	1E	308	1/1	0.91	0.12	34,34,34,34	0
56	MG	1A	4089	1/1	0.91	0.14	64,64,64,64	0
56	MG	2a	3074	1/1	0.91	0.07	63,63,63,63	0
56	MG	1A	3549	1/1	0.91	0.30	50,50,50,50	0
56	MG	2A	3735	1/1	0.91	0.11	49,49,49,49	0
56	MG	2A	3739	1/1	0.91	0.13	52,52,52,52	0
56	MG	1E	313	1/1	0.91	0.23	47,47,47,47	0
56	MG	1A	3123	1/1	0.91	0.27	41,41,41,41	0
56	MG	1A	3040	1/1	0.91	0.18	43,43,43,43	0
56	MG	1a	1692	1/1	0.91	0.21	55,55,55,55	0
56	MG	2A	3747	1/1	0.91	0.16	47,47,47,47	0
56	MG	2A	3748	1/1	0.91	0.09	61,61,61,61	0
56	MG	1A	4104	1/1	0.91	0.11	32,32,32,32	0
56	MG	1a	1875	1/1	0.91	0.13	55,55,55,55	0
56	MG	2A	3755	1/1	0.91	0.16	47,47,47,47	0
56	MG	1A	3485	1/1	0.91	0.14	51,51,51,51	0
56	MG	1A	3960	1/1	0.91	0.10	50,50,50,50	0
56	MG	2A	3758	1/1	0.91	0.13	53,53,53,53	0
56	MG	1a	1699	1/1	0.91	0.31	38,38,38,38	0
56	MG	1A	3222	1/1	0.91	0.15	71,71,71,71	0
56	MG	2A	3402	1/1	0.91	0.24	47,47,47,47	0
56	MG	1a	1705	1/1	0.91	0.25	65,65,65,65	0
56	MG	1G	3004	1/1	0.91	0.08	54,54,54,54	0
56	MG	2a	3117	1/1	0.91	0.20	63,63,63,63	0
56	MG	1A	3798	1/1	0.91	0.09	54,54,54,54	0
56	MG	2a	3119	1/1	0.91	0.06	63,63,63,63	0
56	MG	1A	4117	1/1	0.91	0.10	83,83,83,83	0
56	MG	1A	3566	1/1	0.91	0.12	46,46,46,46	0
56	MG	1a	1920	1/1	0.91	0.39	59,59,59,59	0
56	MG	2A	3412	1/1	0.91	0.28	53,53,53,53	0
56	MG	2a	3131	1/1	0.91	0.12	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3133	1/1	0.91	0.09	94,94,94,94	0
56	MG	1N	3005	1/1	0.91	0.12	69,69,69,69	0
56	MG	1a	1929	1/1	0.91	0.19	57,57,57,57	0
56	MG	2A	3416	1/1	0.91	0.15	52,52,52,52	0
56	MG	1A	3652	1/1	0.91	0.16	52,52,52,52	0
56	MG	1c	302	1/1	0.91	0.25	71,71,71,71	0
56	MG	2a	3148	1/1	0.91	0.11	75,75,75,75	0
56	MG	1A	3224	1/1	0.91	0.07	50,50,50,50	0
56	MG	1a	1719	1/1	0.91	0.20	60,60,60,60	0
56	MG	1A	3971	1/1	0.91	0.12	31,31,31,31	0
56	MG	2A	3426	1/1	0.91	0.07	47,47,47,47	0
56	MG	2A	3228	1/1	0.91	0.17	53,53,53,53	0
56	MG	1A	3655	1/1	0.91	0.07	50,50,50,50	0
56	MG	2A	3812	1/1	0.91	0.10	48,48,48,48	0
56	MG	1A	4138	1/1	0.91	0.11	76,76,76,76	0
56	MG	2A	3814	1/1	0.91	0.19	56,56,56,56	0
56	MG	2A	3240	1/1	0.91	0.24	41,41,41,41	0
56	MG	2A	3438	1/1	0.91	0.30	44,44,44,44	0
56	MG	2A	3439	1/1	0.91	0.19	38,38,38,38	0
56	MG	1A	4139	1/1	0.91	0.07	34,34,34,34	0
56	MG	2a	3181	1/1	0.91	0.11	62,62,62,62	0
56	MG	1A	3052	1/1	0.91	0.10	59,59,59,59	0
56	MG	1w	106	1/1	0.91	0.13	63,63,63,63	0
56	MG	1U	206	1/1	0.91	0.30	41,41,41,41	0
56	MG	2A	3448	1/1	0.91	0.30	61,61,61,61	0
56	MG	1A	3430	1/1	0.91	0.10	50,50,50,50	0
56	MG	2A	3450	1/1	0.91	0.24	56,56,56,56	0
56	MG	2A	3249	1/1	0.91	0.15	64,64,64,64	0
56	MG	2A	3842	1/1	0.91	0.11	35,35,35,35	0
56	MG	1A	3170	1/1	0.91	0.16	47,47,47,47	0
56	MG	1a	1730	1/1	0.91	0.18	57,57,57,57	0
56	MG	2A	3457	1/1	0.91	0.24	66,66,66,66	0
56	MG	2A	3252	1/1	0.91	0.12	66,66,66,66	0
56	MG	1x	107	1/1	0.91	0.20	66,66,66,66	0
56	MG	1A	3105	1/1	0.91	0.08	31,31,31,31	0
56	MG	2A	3870	1/1	0.91	0.10	45,45,45,45	0
56	MG	2A	3871	1/1	0.91	0.12	67,67,67,67	0
56	MG	1A	3580	1/1	0.91	0.17	57,57,57,57	0
56	MG	1A	4149	1/1	0.91	0.09	61,61,61,61	0
56	MG	2A	3463	1/1	0.91	0.21	59,59,59,59	0
56	MG	2A	3465	1/1	0.91	0.18	52,52,52,52	0
56	MG	1x	113	1/1	0.91	0.09	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3034	1/1	0.91	0.32	51,51,51,51	0
56	MG	1A	3681	1/1	0.91	0.34	73,73,73,73	0
56	MG	1A	3834	1/1	0.91	0.13	28,28,28,28	0
56	MG	2a	3223	1/1	0.91	0.14	57,57,57,57	0
56	MG	1A	3682	1/1	0.91	0.14	40,40,40,40	0
56	MG	1A	3838	1/1	0.91	0.15	54,54,54,54	0
56	MG	1A	3683	1/1	0.91	0.19	76,76,76,76	0
56	MG	1A	3359	1/1	0.91	0.22	53,53,53,53	0
56	MG	1A	3857	1/1	0.91	0.15	29,29,29,29	0
56	MG	15	102	1/1	0.91	0.18	42,42,42,42	0
56	MG	2A	3273	1/1	0.91	0.17	58,58,58,58	0
56	MG	1A	3090	1/1	0.91	0.33	62,62,62,62	0
56	MG	2A	3018	1/1	0.91	0.13	56,56,56,56	0
56	MG	2A	3277	1/1	0.91	0.18	63,63,63,63	0
56	MG	1A	4182	1/1	0.91	0.12	57,57,57,57	0
56	MG	2A	3496	1/1	0.91	0.23	51,51,51,51	0
56	MG	1A	3867	1/1	0.91	0.07	62,62,62,62	0
56	MG	1a	1758	1/1	0.91	0.15	49,49,49,49	0
56	MG	1A	3689	1/1	0.91	0.27	30,30,30,30	0
56	MG	1A	3883	1/1	0.91	0.14	47,47,47,47	0
56	MG	1A	4197	1/1	0.91	0.12	59,59,59,59	0
56	MG	1A	4199	1/1	0.91	0.14	36,36,36,36	0
56	MG	1A	4005	1/1	0.91	0.15	58,58,58,58	0
56	MG	2A	3519	1/1	0.91	0.12	57,57,57,57	0
56	MG	2A	3520	1/1	0.91	0.11	55,55,55,55	0
56	MG	1A	4202	1/1	0.91	0.15	39,39,39,39	0
56	MG	1A	3285	1/1	0.91	0.42	43,43,43,43	0
56	MG	2A	3055	1/1	0.91	0.08	55,55,55,55	0
56	MG	2A	3525	1/1	0.91	0.10	49,49,49,49	0
56	MG	1A	4009	1/1	0.91	0.11	81,81,81,81	0
56	MG	2B	3021	1/1	0.91	0.24	74,74,74,74	0
56	MG	1A	3510	1/1	0.91	0.25	50,50,50,50	0
56	MG	1A	3514	1/1	0.91	0.09	51,51,51,51	0
56	MG	2A	3061	1/1	0.91	0.18	51,51,51,51	0
56	MG	1a	1622	1/1	0.91	0.15	55,55,55,55	0
56	MG	1A	3326	1/1	0.91	0.11	53,53,53,53	0
56	MG	2F	304	1/1	0.91	0.34	52,52,52,52	0
56	MG	1A	4017	1/1	0.91	0.10	29,29,29,29	0
56	MG	1A	3518	1/1	0.91	0.24	81,81,81,81	0
56	MG	2A	3571	1/1	0.91	0.08	36,36,36,36	0
56	MG	2R	201	1/1	0.91	0.08	57,57,57,57	0
56	MG	1A	3400	1/1	0.91	0.13	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	2y	3004	1/1	0.91	0.10	69,69,69,69	0
56	MG	2A	3581	1/1	0.91	0.09	42,42,42,42	0
56	MG	1A	3151	1/1	0.91	0.16	54,54,54,54	0
56	MG	1a	1635	1/1	0.91	0.34	62,62,62,62	0
56	MG	1A	3406	1/1	0.91	0.08	54,54,54,54	0
56	MG	2A	3319	1/1	0.91	0.09	57,57,57,57	0
56	MG	1A	4243	1/1	0.91	0.20	40,40,40,40	0
56	MG	2U	202	1/1	0.92	0.23	46,46,46,46	0
56	MG	1A	4174	1/1	0.92	0.09	83,83,83,83	0
56	MG	2U	205	1/1	0.92	0.13	49,49,49,49	0
56	MG	1A	3215	1/1	0.92	0.15	56,56,56,56	0
56	MG	2W	202	1/1	0.92	0.08	66,66,66,66	0
56	MG	1A	3539	1/1	0.92	0.18	57,57,57,57	0
56	MG	1A	3985	1/1	0.92	0.10	59,59,59,59	0
56	MG	1A	3807	1/1	0.92	0.10	44,44,44,44	0
56	MG	1A	3378	1/1	0.92	0.23	63,63,63,63	0
56	MG	2A	3322	1/1	0.92	0.17	58,58,58,58	0
56	MG	1A	3122	1/1	0.92	0.15	53,53,53,53	0
56	MG	2A	3610	1/1	0.92	0.19	62,62,62,62	0
56	MG	1A	3990	1/1	0.92	0.11	44,44,44,44	0
56	MG	25	104	1/1	0.92	0.14	51,51,51,51	0
56	MG	1A	3821	1/1	0.92	0.09	40,40,40,40	0
56	MG	2A	3618	1/1	0.92	0.08	46,46,46,46	0
56	MG	1A	4198	1/1	0.92	0.07	45,45,45,45	0
56	MG	1A	3266	1/1	0.92	0.07	54,54,54,54	0
56	MG	2A	3628	1/1	0.92	0.15	53,53,53,53	0
56	MG	1A	3545	1/1	0.92	0.18	62,62,62,62	0
56	MG	1A	3654	1/1	0.92	0.10	52,52,52,52	0
56	MG	2A	3088	1/1	0.92	0.12	55,55,55,55	0
56	MG	2A	3633	1/1	0.92	0.10	59,59,59,59	0
56	MG	2A	3636	1/1	0.92	0.19	60,60,60,60	0
56	MG	1a	1796	1/1	0.92	0.18	51,51,51,51	0
56	MG	2A	3336	1/1	0.92	0.26	62,62,62,62	0
56	MG	2A	3642	1/1	0.92	0.16	44,44,44,44	0
56	MG	1A	3089	1/1	0.92	0.17	48,48,48,48	0
56	MG	1A	3657	1/1	0.92	0.07	49,49,49,49	0
56	MG	1A	3659	1/1	0.92	0.25	41,41,41,41	0
56	MG	2A	3093	1/1	0.92	0.33	48,48,48,48	0
56	MG	1A	3660	1/1	0.92	0.28	61,61,61,61	0
56	MG	1A	3840	1/1	0.92	0.10	44,44,44,44	0
56	MG	1A	3842	1/1	0.92	0.10	58,58,58,58	0
56	MG	2A	3101	1/1	0.92	0.17	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3353	1/1	0.92	0.09	73,73,73,73	0
56	MG	1a	1808	1/1	0.92	0.37	61,61,61,61	0
56	MG	1A	3385	1/1	0.92	0.11	63,63,63,63	0
56	MG	1A	3663	1/1	0.92	0.09	39,39,39,39	0
56	MG	1A	3853	1/1	0.92	0.13	24,24,24,24	0
56	MG	1A	4013	1/1	0.92	0.10	50,50,50,50	0
56	MG	1a	1815	1/1	0.92	0.13	57,57,57,57	0
56	MG	2A	3115	1/1	0.92	0.24	46,46,46,46	0
56	MG	1A	3465	1/1	0.92	0.18	53,53,53,53	0
56	MG	2a	3032	1/1	0.92	0.09	65,65,65,65	0
56	MG	1a	1817	1/1	0.92	0.16	56,56,56,56	0
56	MG	1A	3557	1/1	0.92	0.10	59,59,59,59	0
56	MG	2A	3684	1/1	0.92	0.19	63,63,63,63	0
56	MG	2A	3365	1/1	0.92	0.12	58,58,58,58	0
56	MG	2A	3127	1/1	0.92	0.07	48,48,48,48	0
56	MG	2A	3689	1/1	0.92	0.11	53,53,53,53	0
56	MG	2A	3132	1/1	0.92	0.10	53,53,53,53	0
56	MG	2a	3045	1/1	0.92	0.14	68,68,68,68	0
56	MG	1A	4254	1/1	0.92	0.23	49,49,49,49	0
56	MG	1a	1824	1/1	0.92	0.13	67,67,67,67	0
56	MG	1A	3865	1/1	0.92	0.10	29,29,29,29	0
56	MG	1a	1828	1/1	0.92	0.08	67,67,67,67	0
56	MG	2a	3051	1/1	0.92	0.21	54,54,54,54	0
56	MG	1A	3329	1/1	0.92	0.23	54,54,54,54	0
56	MG	2A	3701	1/1	0.92	0.14	66,66,66,66	0
56	MG	2A	3156	1/1	0.92	0.10	53,53,53,53	0
56	MG	2A	3704	1/1	0.92	0.11	50,50,50,50	0
56	MG	1a	1655	1/1	0.92	0.14	42,42,42,42	0
56	MG	2A	3158	1/1	0.92	0.17	58,58,58,58	0
56	MG	2A	3711	1/1	0.92	0.11	73,73,73,73	0
56	MG	1B	207	1/1	0.92	0.21	65,65,65,65	0
56	MG	1A	3564	1/1	0.92	0.19	40,40,40,40	0
56	MG	1A	3124	1/1	0.92	0.25	39,39,39,39	0
56	MG	1A	3886	1/1	0.92	0.14	26,26,26,26	0
56	MG	1a	1662	1/1	0.92	0.09	47,47,47,47	0
56	MG	2A	3172	1/1	0.92	0.11	55,55,55,55	0
56	MG	1A	3100	1/1	0.92	0.08	48,48,48,48	0
56	MG	1B	215	1/1	0.92	0.08	45,45,45,45	0
56	MG	1A	3335	1/1	0.92	0.33	56,56,56,56	0
56	MG	1B	221	1/1	0.92	0.16	65,65,65,65	0
56	MG	1A	3573	1/1	0.92	0.13	51,51,51,51	0
56	MG	1a	1671	1/1	0.92	0.08	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	2A	3184	1/1	0.92	0.12	58,58,58,58	0
56	MG	2A	3394	1/1	0.92	0.14	61,61,61,61	0
56	MG	2A	3395	1/1	0.92	0.18	61,61,61,61	0
56	MG	1a	1673	1/1	0.92	0.18	69,69,69,69	0
56	MG	1A	3282	1/1	0.92	0.29	51,51,51,51	0
56	MG	1A	3181	1/1	0.92	0.18	53,53,53,53	0
56	MG	2A	3746	1/1	0.92	0.08	76,76,76,76	0
56	MG	1A	4056	1/1	0.92	0.15	51,51,51,51	0
56	MG	1A	3103	1/1	0.92	0.50	47,47,47,47	0
56	MG	1A	3348	1/1	0.92	0.09	53,53,53,53	0
56	MG	2A	3753	1/1	0.92	0.18	66,66,66,66	0
56	MG	1A	3579	1/1	0.92	0.08	45,45,45,45	0
56	MG	1A	3076	1/1	0.92	0.27	43,43,43,43	0
56	MG	2A	3198	1/1	0.92	0.10	48,48,48,48	0
56	MG	2A	3199	1/1	0.92	0.17	55,55,55,55	0
56	MG	1D	309	1/1	0.92	0.06	41,41,41,41	0
56	MG	1A	3295	1/1	0.92	0.17	55,55,55,55	0
56	MG	2a	3116	1/1	0.92	0.40	73,73,73,73	0
56	MG	1A	4065	1/1	0.92	0.08	64,64,64,64	0
56	MG	1a	1883	1/1	0.92	0.12	47,47,47,47	0
56	MG	1a	1891	1/1	0.92	0.10	91,91,91,91	0
56	MG	1A	3188	1/1	0.92	0.30	61,61,61,61	0
56	MG	2A	3418	1/1	0.92	0.11	64,64,64,64	0
56	MG	1a	1898	1/1	0.92	0.14	43,43,43,43	0
56	MG	1A	3914	1/1	0.92	0.12	41,41,41,41	0
56	MG	2a	3130	1/1	0.92	0.19	67,67,67,67	0
56	MG	1A	3587	1/1	0.92	0.09	54,54,54,54	0
56	MG	1A	3916	1/1	0.92	0.09	53,53,53,53	0
56	MG	1A	3354	1/1	0.92	0.12	55,55,55,55	0
56	MG	2A	3779	1/1	0.92	0.09	73,73,73,73	0
56	MG	1E	310	1/1	0.92	0.31	49,49,49,49	0
56	MG	1A	3146	1/1	0.92	0.20	32,32,32,32	0
56	MG	1A	3927	1/1	0.92	0.14	65,65,65,65	0
56	MG	1a	1928	1/1	0.92	0.16	57,57,57,57	0
56	MG	2A	3434	1/1	0.92	0.29	46,46,46,46	0
56	MG	1a	1702	1/1	0.92	0.23	42,42,42,42	0
56	MG	2A	3798	1/1	0.92	0.17	75,75,75,75	0
56	MG	1A	3193	1/1	0.92	0.18	44,44,44,44	0
56	MG	1A	3063	1/1	0.92	0.28	51,51,51,51	0
56	MG	2A	3808	1/1	0.92	0.09	60,60,60,60	0
56	MG	2A	3440	1/1	0.92	0.16	42,42,42,42	0
56	MG	1a	1708	1/1	0.92	0.20	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1709	1/1	0.92	0.14	73,73,73,73	0
56	MG	1F	305	1/1	0.92	0.18	39,39,39,39	0
56	MG	1A	3303	1/1	0.92	0.33	40,40,40,40	0
56	MG	1A	3499	1/1	0.92	0.18	62,62,62,62	0
56	MG	2A	3233	1/1	0.92	0.19	61,61,61,61	0
56	MG	2A	3236	1/1	0.92	0.15	61,61,61,61	0
56	MG	2A	3451	1/1	0.92	0.25	54,54,54,54	0
56	MG	1A	3416	1/1	0.92	0.13	65,65,65,65	0
56	MG	1A	4095	1/1	0.92	0.28	51,51,51,51	0
56	MG	1A	3304	1/1	0.92	0.20	55,55,55,55	0
56	MG	2A	3456	1/1	0.92	0.35	52,52,52,52	0
56	MG	1a	1718	1/1	0.92	0.15	57,57,57,57	0
56	MG	1A	3610	1/1	0.92	0.33	61,61,61,61	0
56	MG	2A	3247	1/1	0.92	0.29	56,56,56,56	0
56	MG	1w	110	1/1	0.92	0.22	78,78,78,78	0
56	MG	1A	3751	1/1	0.92	0.13	40,40,40,40	0
56	MG	1N	3002	1/1	0.92	0.09	46,46,46,46	0
56	MG	2a	3200	1/1	0.92	0.10	71,71,71,71	0
56	MG	1x	105	1/1	0.92	0.16	62,62,62,62	0
56	MG	2A	3464	1/1	0.92	0.11	53,53,53,53	0
56	MG	1A	4111	1/1	0.92	0.09	92,92,92,92	0
56	MG	2a	3206	1/1	0.92	0.09	58,58,58,58	0
56	MG	2A	3865	1/1	0.92	0.08	57,57,57,57	0
56	MG	2A	3467	1/1	0.92	0.26	56,56,56,56	0
56	MG	1A	3115	1/1	0.92	0.08	44,44,44,44	0
56	MG	1A	3419	1/1	0.92	0.29	61,61,61,61	0
56	MG	1A	3759	1/1	0.92	0.17	34,34,34,34	0
56	MG	2A	3471	1/1	0.92	0.25	59,59,59,59	0
56	MG	1x	111	1/1	0.92	0.09	61,61,61,61	0
56	MG	1x	112	1/1	0.92	0.11	47,47,47,47	0
56	MG	2A	3474	1/1	0.92	0.24	53,53,53,53	0
56	MG	1A	3768	1/1	0.92	0.14	28,28,28,28	0
56	MG	1Q	203	1/1	0.92	0.14	53,53,53,53	0
56	MG	1A	3251	1/1	0.92	0.22	57,57,57,57	0
56	MG	1A	3950	1/1	0.92	0.09	68,68,68,68	0
56	MG	1A	3954	1/1	0.92	0.10	62,62,62,62	0
56	MG	1a	1739	1/1	0.92	0.10	49,49,49,49	0
56	MG	1A	3955	1/1	0.92	0.14	37,37,37,37	0
56	MG	2A	3268	1/1	0.92	0.17	59,59,59,59	0
56	MG	1A	3957	1/1	0.92	0.10	57,57,57,57	0
56	MG	2A	3494	1/1	0.92	0.14	59,59,59,59	0
56	MG	1A	3205	1/1	0.92	0.16	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3005	1/1	0.92	0.28	56,56,56,56	0
56	MG	2A	3006	1/1	0.92	0.24	51,51,51,51	0
56	MG	1A	3316	1/1	0.92	0.19	51,51,51,51	0
56	MG	2A	3914	1/1	0.92	0.40	38,38,38,38	0
56	MG	1A	4140	1/1	0.92	0.18	74,74,74,74	0
56	MG	2A	3919	1/1	0.92	0.07	39,39,39,39	0
56	MG	2A	3500	1/1	0.92	0.25	33,33,33,33	0
56	MG	2B	3001	1/1	0.92	0.14	66,66,66,66	0
56	MG	1Y	502	1/1	0.92	0.07	50,50,50,50	0
56	MG	2q	201	1/1	0.92	0.09	55,55,55,55	0
56	MG	2A	3281	1/1	0.92	0.13	34,34,34,34	0
56	MG	1A	3632	1/1	0.92	0.35	60,60,60,60	0
56	MG	2A	3283	1/1	0.92	0.10	53,53,53,53	0
56	MG	2A	3025	1/1	0.92	0.53	55,55,55,55	0
56	MG	1A	3254	1/1	0.92	0.16	56,56,56,56	0
56	MG	1A	3431	1/1	0.92	0.20	47,47,47,47	0
56	MG	1A	3966	1/1	0.92	0.31	45,45,45,45	0
56	MG	1A	3434	1/1	0.92	0.08	51,51,51,51	0
56	MG	2A	3291	1/1	0.92	0.10	61,61,61,61	0
56	MG	2A	3527	1/1	0.92	0.07	38,38,38,38	0
56	MG	1A	3636	1/1	0.92	0.29	66,66,66,66	0
56	MG	1A	3210	1/1	0.92	0.07	67,67,67,67	0
56	MG	1A	3095	1/1	0.92	0.24	47,47,47,47	0
56	MG	2D	303	1/1	0.92	0.24	51,51,51,51	0
56	MG	1A	3321	1/1	0.92	0.16	57,57,57,57	0
56	MG	1A	4160	1/1	0.92	0.14	72,72,72,72	0
56	MG	2A	3054	1/1	0.92	0.10	44,44,44,44	0
56	MG	1A	4162	1/1	0.92	0.14	68,68,68,68	0
56	MG	2A	3564	1/1	0.92	0.19	70,70,70,70	0
56	MG	15	105	1/1	0.92	0.13	62,62,62,62	0
56	MG	2A	3303	1/1	0.92	0.08	45,45,45,45	0
56	MG	1A	3533	1/1	0.92	0.20	53,53,53,53	0
56	MG	2A	3580	1/1	0.92	0.12	47,47,47,47	0
56	MG	1A	3535	1/1	0.92	0.32	56,56,56,56	0
56	MG	18	102	1/1	0.92	0.16	45,45,45,45	0
56	MG	1A	3803	1/1	0.92	0.18	48,48,48,48	0
56	MG	2A	3585	1/1	0.92	0.11	49,49,49,49	0
56	MG	2A	3530	1/1	0.93	0.07	45,45,45,45	0
56	MG	2A	3534	1/1	0.93	0.08	40,40,40,40	0
56	MG	1A	3887	1/1	0.93	0.11	29,29,29,29	0
56	MG	1A	3548	1/1	0.93	0.23	37,37,37,37	0
56	MG	2A	3540	1/1	0.93	0.09	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	2E	304	1/1	0.93	0.09	55,55,55,55	0
56	MG	2A	3543	1/1	0.93	0.14	56,56,56,56	0
56	MG	2A	3014	1/1	0.93	0.19	40,40,40,40	0
56	MG	1A	3666	1/1	0.93	0.10	43,43,43,43	0
56	MG	1A	3083	1/1	0.93	0.17	41,41,41,41	0
56	MG	2A	3557	1/1	0.93	0.07	51,51,51,51	0
56	MG	2A	3558	1/1	0.93	0.07	38,38,38,38	0
56	MG	2A	3559	1/1	0.93	0.07	38,38,38,38	0
56	MG	2Q	3001	1/1	0.93	0.15	59,59,59,59	0
56	MG	1G	3002	1/1	0.93	0.28	63,63,63,63	0
56	MG	1G	3003	1/1	0.93	0.07	67,67,67,67	0
56	MG	2A	3290	1/1	0.93	0.13	62,62,62,62	0
56	MG	1A	3552	1/1	0.93	0.21	34,34,34,34	0
56	MG	1A	3264	1/1	0.93	0.30	57,57,57,57	0
56	MG	2A	3293	1/1	0.93	0.33	64,64,64,64	0
56	MG	2A	3031	1/1	0.93	0.14	46,46,46,46	0
56	MG	1A	3675	1/1	0.93	0.21	53,53,53,53	0
56	MG	2A	3033	1/1	0.93	0.07	53,53,53,53	0
56	MG	1A	3676	1/1	0.93	0.20	46,46,46,46	0
56	MG	2A	3039	1/1	0.93	0.06	42,42,42,42	0
56	MG	2A	3586	1/1	0.93	0.11	60,60,60,60	0
56	MG	1A	3907	1/1	0.93	0.29	35,35,35,35	0
56	MG	1A	3327	1/1	0.93	0.26	56,56,56,56	0
56	MG	2A	3043	1/1	0.93	0.11	50,50,50,50	0
56	MG	2A	3304	1/1	0.93	0.10	52,52,52,52	0
56	MG	2A	3045	1/1	0.93	0.07	48,48,48,48	0
56	MG	2A	3309	1/1	0.93	0.09	66,66,66,66	0
56	MG	2A	3606	1/1	0.93	0.12	56,56,56,56	0
56	MG	1A	3169	1/1	0.93	0.19	59,59,59,59	0
56	MG	2A	3608	1/1	0.93	0.07	57,57,57,57	0
56	MG	2A	3051	1/1	0.93	0.19	54,54,54,54	0
56	MG	1A	3911	1/1	0.93	0.10	36,36,36,36	0
56	MG	2A	3613	1/1	0.93	0.11	62,62,62,62	0
56	MG	2A	3614	1/1	0.93	0.14	54,54,54,54	0
56	MG	1A	3558	1/1	0.93	0.18	48,48,48,48	0
56	MG	2A	3314	1/1	0.93	0.06	48,48,48,48	0
56	MG	1A	3463	1/1	0.93	0.11	59,59,59,59	0
56	MG	1R	202	1/1	0.93	0.18	36,36,36,36	0
56	MG	1a	1754	1/1	0.93	0.08	63,63,63,63	0
56	MG	1A	3561	1/1	0.93	0.43	42,42,42,42	0
56	MG	1A	3464	1/1	0.93	0.12	50,50,50,50	0
56	MG	1A	3048	1/1	0.93	0.09	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	3012	1/1	0.93	0.13	57,57,57,57	0
56	MG	1U	201	1/1	0.93	0.20	53,53,53,53	0
56	MG	1A	3172	1/1	0.93	0.07	60,60,60,60	0
56	MG	2A	3634	1/1	0.93	0.09	39,39,39,39	0
56	MG	1A	3923	1/1	0.93	0.07	67,67,67,67	0
56	MG	1V	202	1/1	0.93	0.06	65,65,65,65	0
56	MG	2a	3019	1/1	0.93	0.09	48,48,48,48	0
56	MG	1A	3690	1/1	0.93	0.11	52,52,52,52	0
56	MG	1a	1767	1/1	0.93	0.09	51,51,51,51	0
56	MG	1W	3006	1/1	0.93	0.08	35,35,35,35	0
56	MG	1A	3568	1/1	0.93	0.08	46,46,46,46	0
56	MG	2A	3334	1/1	0.93	0.15	54,54,54,54	0
56	MG	2A	3651	1/1	0.93	0.09	61,61,61,61	0
56	MG	2A	3652	1/1	0.93	0.23	45,45,45,45	0
56	MG	1A	3569	1/1	0.93	0.31	43,43,43,43	0
56	MG	2A	3075	1/1	0.93	0.16	46,46,46,46	0
56	MG	1A	3006	1/1	0.93	0.14	49,49,49,49	0
56	MG	2A	3659	1/1	0.93	0.12	45,45,45,45	0
56	MG	1A	3572	1/1	0.93	0.12	39,39,39,39	0
56	MG	1A	3393	1/1	0.93	0.10	67,67,67,67	0
56	MG	2A	3341	1/1	0.93	0.11	56,56,56,56	0
56	MG	1A	4125	1/1	0.93	0.10	77,77,77,77	0
56	MG	1A	3469	1/1	0.93	0.19	60,60,60,60	0
56	MG	1A	3720	1/1	0.93	0.08	37,37,37,37	0
56	MG	2a	3039	1/1	0.93	0.23	45,45,45,45	0
56	MG	1a	1784	1/1	0.93	0.25	59,59,59,59	0
56	MG	1A	3226	1/1	0.93	0.14	51,51,51,51	0
56	MG	1A	3276	1/1	0.93	0.14	55,55,55,55	0
56	MG	1A	3940	1/1	0.93	0.27	47,47,47,47	0
56	MG	1l	103	1/1	0.93	0.08	55,55,55,55	0
56	MG	2A	3681	1/1	0.93	0.12	66,66,66,66	0
56	MG	1A	3337	1/1	0.93	0.24	48,48,48,48	0
56	MG	1A	3944	1/1	0.93	0.07	69,69,69,69	0
56	MG	2a	3052	1/1	0.93	0.12	65,65,65,65	0
56	MG	2a	3053	1/1	0.93	0.07	82,82,82,82	0
56	MG	1A	3277	1/1	0.93	0.15	47,47,47,47	0
56	MG	2A	3686	1/1	0.93	0.11	49,49,49,49	0
56	MG	1a	1794	1/1	0.93	0.37	52,52,52,52	0
56	MG	1A	3138	1/1	0.93	0.50	49,49,49,49	0
56	MG	1A	3583	1/1	0.93	0.16	51,51,51,51	0
56	MG	1A	3402	1/1	0.93	0.10	53,53,53,53	0
56	MG	1A	4150	1/1	0.93	0.07	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3112	1/1	0.93	0.12	60,60,60,60	0
56	MG	2a	3062	1/1	0.93	0.12	85,85,85,85	0
56	MG	2a	3063	1/1	0.93	0.12	64,64,64,64	0
56	MG	1a	1800	1/1	0.93	0.19	56,56,56,56	0
56	MG	1a	1801	1/1	0.93	0.12	59,59,59,59	0
56	MG	1a	1601	1/1	0.93	0.16	50,50,50,50	0
56	MG	2A	3700	1/1	0.93	0.07	56,56,56,56	0
56	MG	2a	3069	1/1	0.93	0.12	65,65,65,65	0
56	MG	1A	3053	1/1	0.93	0.11	62,62,62,62	0
56	MG	2A	3371	1/1	0.93	0.06	53,53,53,53	0
56	MG	2A	3372	1/1	0.93	0.09	54,54,54,54	0
56	MG	1A	3952	1/1	0.93	0.14	52,52,52,52	0
56	MG	1A	3738	1/1	0.93	0.08	34,34,34,34	0
56	MG	2a	3076	1/1	0.93	0.12	64,64,64,64	0
56	MG	1a	1807	1/1	0.93	0.05	51,51,51,51	0
56	MG	2A	3133	1/1	0.93	0.09	63,63,63,63	0
56	MG	2a	3080	1/1	0.93	0.31	62,62,62,62	0
56	MG	2a	3082	1/1	0.93	0.28	64,64,64,64	0
56	MG	2a	3083	1/1	0.93	0.17	62,62,62,62	0
56	MG	1A	4159	1/1	0.93	0.16	60,60,60,60	0
56	MG	1A	3741	1/1	0.93	0.06	58,58,58,58	0
56	MG	2A	3147	1/1	0.93	0.06	44,44,44,44	0
56	MG	2A	3151	1/1	0.93	0.18	53,53,53,53	0
56	MG	1a	1810	1/1	0.93	0.17	64,64,64,64	0
56	MG	1A	3405	1/1	0.93	0.14	51,51,51,51	0
56	MG	2a	3095	1/1	0.93	0.26	50,50,50,50	0
56	MG	1a	1608	1/1	0.93	0.14	47,47,47,47	0
56	MG	1A	3749	1/1	0.93	0.09	44,44,44,44	0
56	MG	1A	3232	1/1	0.93	0.27	55,55,55,55	0
56	MG	2a	3104	1/1	0.93	0.43	81,81,81,81	0
56	MG	1A	4169	1/1	0.93	0.09	77,77,77,77	0
56	MG	2A	3161	1/1	0.93	0.10	54,54,54,54	0
56	MG	2A	3734	1/1	0.93	0.09	67,67,67,67	0
56	MG	1A	3591	1/1	0.93	0.30	48,48,48,48	0
56	MG	2A	3738	1/1	0.93	0.14	63,63,63,63	0
56	MG	2A	3390	1/1	0.93	0.18	43,43,43,43	0
56	MG	1A	4172	1/1	0.93	0.11	46,46,46,46	0
56	MG	1a	1620	1/1	0.93	0.12	54,54,54,54	0
56	MG	2A	3166	1/1	0.93	0.10	47,47,47,47	0
56	MG	1a	1821	1/1	0.93	0.14	66,66,66,66	0
56	MG	1A	3187	1/1	0.93	0.15	51,51,51,51	0
56	MG	2A	3170	1/1	0.93	0.12	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	3599	1/1	0.93	0.26	64,64,64,64	0
56	MG	2A	3749	1/1	0.93	0.09	49,49,49,49	0
56	MG	1A	3767	1/1	0.93	0.07	24,24,24,24	0
56	MG	1A	3490	1/1	0.93	0.06	50,50,50,50	0
56	MG	2a	3125	1/1	0.93	0.21	48,48,48,48	0
56	MG	2a	3126	1/1	0.93	0.15	49,49,49,49	0
56	MG	2a	3127	1/1	0.93	0.10	67,67,67,67	0
56	MG	2A	3175	1/1	0.93	0.20	54,54,54,54	0
56	MG	1A	3494	1/1	0.93	0.06	45,45,45,45	0
56	MG	2a	3132	1/1	0.93	0.08	59,59,59,59	0
56	MG	1a	1631	1/1	0.93	0.27	51,51,51,51	0
56	MG	2a	3134	1/1	0.93	0.12	74,74,74,74	0
56	MG	2A	3178	1/1	0.93	0.15	49,49,49,49	0
56	MG	1A	3969	1/1	0.93	0.07	44,44,44,44	0
56	MG	1a	1633	1/1	0.93	0.19	62,62,62,62	0
56	MG	1A	3113	1/1	0.93	0.18	61,61,61,61	0
56	MG	2a	3145	1/1	0.93	0.11	71,71,71,71	0
56	MG	1A	3238	1/1	0.93	0.33	39,39,39,39	0
56	MG	2A	3186	1/1	0.93	0.14	54,54,54,54	0
56	MG	2A	3764	1/1	0.93	0.09	51,51,51,51	0
56	MG	1A	4196	1/1	0.93	0.09	37,37,37,37	0
56	MG	1A	3606	1/1	0.93	0.10	54,54,54,54	0
56	MG	1A	3780	1/1	0.93	0.09	55,55,55,55	0
56	MG	1A	3782	1/1	0.93	0.13	26,26,26,26	0
56	MG	1A	3981	1/1	0.93	0.11	41,41,41,41	0
56	MG	1A	3497	1/1	0.93	0.17	59,59,59,59	0
56	MG	2A	3774	1/1	0.93	0.09	57,57,57,57	0
56	MG	1A	4203	1/1	0.93	0.23	50,50,50,50	0
56	MG	2a	3171	1/1	0.93	0.06	71,71,71,71	0
56	MG	1A	3026	1/1	0.93	0.15	56,56,56,56	0
56	MG	2A	3780	1/1	0.93	0.10	57,57,57,57	0
56	MG	1A	3243	1/1	0.93	0.20	47,47,47,47	0
56	MG	2A	3200	1/1	0.93	0.23	73,73,73,73	0
56	MG	1a	1650	1/1	0.93	0.27	54,54,54,54	0
56	MG	1A	3615	1/1	0.93	0.09	33,33,33,33	0
56	MG	1A	3616	1/1	0.93	0.55	69,69,69,69	0
56	MG	2a	3186	1/1	0.93	0.14	62,62,62,62	0
56	MG	1A	3623	1/1	0.93	0.06	36,36,36,36	0
56	MG	1A	3799	1/1	0.93	0.19	47,47,47,47	0
56	MG	1A	3500	1/1	0.93	0.10	50,50,50,50	0
56	MG	1A	4221	1/1	0.93	0.13	35,35,35,35	0
56	MG	1A	3414	1/1	0.93	0.34	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3441	1/1	0.93	0.22	36,36,36,36	0
56	MG	1A	3118	1/1	0.93	0.12	49,49,49,49	0
56	MG	2A	3443	1/1	0.93	0.21	43,43,43,43	0
56	MG	1A	4231	1/1	0.93	0.25	55,55,55,55	0
56	MG	1A	3627	1/1	0.93	0.22	55,55,55,55	0
56	MG	1A	3996	1/1	0.93	0.10	48,48,48,48	0
56	MG	1A	4244	1/1	0.93	0.15	39,39,39,39	0
56	MG	1A	4246	1/1	0.93	0.12	40,40,40,40	0
56	MG	1A	3505	1/1	0.93	0.21	44,44,44,44	0
56	MG	2A	3219	1/1	0.93	0.20	56,56,56,56	0
56	MG	1A	3092	1/1	0.93	0.08	53,53,53,53	0
56	MG	1A	4255	1/1	0.93	0.15	48,48,48,48	0
56	MG	2a	3212	1/1	0.93	0.13	71,71,71,71	0
56	MG	2a	3213	1/1	0.93	0.16	60,60,60,60	0
56	MG	1A	3044	1/1	0.93	0.21	48,48,48,48	0
56	MG	1A	3062	1/1	0.93	0.21	56,56,56,56	0
56	MG	2A	3225	1/1	0.93	0.22	54,54,54,54	0
56	MG	2a	3217	1/1	0.93	0.21	45,45,45,45	0
56	MG	2A	3836	1/1	0.93	0.08	46,46,46,46	0
56	MG	1B	205	1/1	0.93	0.12	48,48,48,48	0
56	MG	1A	3812	1/1	0.93	0.10	39,39,39,39	0
56	MG	1a	1931	1/1	0.93	0.06	49,49,49,49	0
56	MG	1A	4004	1/1	0.93	0.14	56,56,56,56	0
56	MG	1A	3511	1/1	0.93	0.21	44,44,44,44	0
56	MG	2A	3234	1/1	0.93	0.20	62,62,62,62	0
56	MG	1A	3513	1/1	0.93	0.31	36,36,36,36	0
56	MG	1A	3310	1/1	0.93	0.18	42,42,42,42	0
56	MG	1m	201	1/1	0.93	0.25	59,59,59,59	0
56	MG	1s	3001	1/1	0.93	0.20	61,61,61,61	0
56	MG	1A	3365	1/1	0.93	0.24	53,53,53,53	0
56	MG	2A	3245	1/1	0.93	0.16	51,51,51,51	0
56	MG	1A	3516	1/1	0.93	0.08	48,48,48,48	0
56	MG	1A	4012	1/1	0.93	0.10	68,68,68,68	0
56	MG	1A	3830	1/1	0.93	0.07	53,53,53,53	0
56	MG	2e	3001	1/1	0.93	0.10	66,66,66,66	0
56	MG	1B	224	1/1	0.93	0.20	76,76,76,76	0
56	MG	1A	4014	1/1	0.93	0.08	81,81,81,81	0
56	MG	1A	3207	1/1	0.93	0.12	47,47,47,47	0
56	MG	2A	3887	1/1	0.93	0.16	54,54,54,54	0
56	MG	1A	3428	1/1	0.93	0.08	46,46,46,46	0
56	MG	2A	3890	1/1	0.93	0.09	44,44,44,44	0
56	MG	1A	3252	1/1	0.93	0.08	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	1a	1703	1/1	0.93	0.24	51,51,51,51	0
56	MG	1a	1704	1/1	0.93	0.39	67,67,67,67	0
56	MG	1A	3208	1/1	0.93	0.15	52,52,52,52	0
56	MG	1a	1706	1/1	0.93	0.13	54,54,54,54	0
56	MG	1A	3432	1/1	0.93	0.18	40,40,40,40	0
56	MG	2A	3491	1/1	0.93	0.21	37,37,37,37	0
56	MG	1A	3433	1/1	0.93	0.14	57,57,57,57	0
56	MG	1A	3209	1/1	0.93	0.10	57,57,57,57	0
56	MG	1A	3651	1/1	0.93	0.13	47,47,47,47	0
56	MG	1A	3163	1/1	0.93	0.21	49,49,49,49	0
56	MG	1A	4050	1/1	0.93	0.08	57,57,57,57	0
56	MG	1A	3444	1/1	0.93	0.11	45,45,45,45	0
56	MG	2A	3265	1/1	0.93	0.13	61,61,61,61	0
56	MG	2A	3266	1/1	0.93	0.10	62,62,62,62	0
56	MG	2A	3510	1/1	0.93	0.08	26,26,26,26	0
56	MG	1A	3859	1/1	0.93	0.10	37,37,37,37	0
56	MG	1A	3213	1/1	0.93	0.28	53,53,53,53	0
56	MG	1A	3258	1/1	0.93	0.13	53,53,53,53	0
56	MG	2B	3006	1/1	0.93	0.17	54,54,54,54	0
56	MG	2B	3008	1/1	0.93	0.18	50,50,50,50	0
56	MG	2A	3515	1/1	0.93	0.10	25,25,25,25	0
56	MG	1A	3259	1/1	0.93	0.12	61,61,61,61	0
56	MG	1A	3879	1/1	0.93	0.08	57,57,57,57	0
56	MG	2y	3006	1/1	0.93	0.07	106,106,106,106	0
56	MG	1A	3323	1/1	0.93	0.11	43,43,43,43	0
56	MG	1A	4062	1/1	0.93	0.07	76,76,76,76	0
57	CPT	1I	3002	4/5	0.93	0.20	70,77,97,175	0
56	MG	2A	3279	1/1	0.93	0.17	60,60,60,60	0
56	MG	1A	3452	1/1	0.93	0.06	55,55,55,55	0
58	K	1A	4256	1/1	0.93	0.13	65,65,65,65	0
56	MG	1A	3546	1/1	0.93	0.11	50,50,50,50	0
56	MG	2A	3910	1/1	0.94	0.18	58,58,58,58	0
56	MG	2A	3911	1/1	0.94	0.11	43,43,43,43	0
56	MG	1A	3239	1/1	0.94	0.20	55,55,55,55	0
56	MG	1A	3032	1/1	0.94	0.24	47,47,47,47	0
56	MG	1A	3180	1/1	0.94	0.13	52,52,52,52	0
56	MG	1A	3733	1/1	0.94	0.11	21,21,21,21	0
56	MG	1A	3379	1/1	0.94	0.31	64,64,64,64	0
56	MG	1a	1854	1/1	0.94	0.13	68,68,68,68	0
56	MG	1A	3470	1/1	0.94	0.07	62,62,62,62	0
56	MG	1A	3953	1/1	0.94	0.07	54,54,54,54	0
56	MG	1a	1625	1/1	0.94	0.15	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	2B	3005	1/1	0.94	0.09	64,64,64,64	0
56	MG	1A	4175	1/1	0.94	0.10	46,46,46,46	0
56	MG	1a	1627	1/1	0.94	0.12	46,46,46,46	0
56	MG	1A	3737	1/1	0.94	0.08	35,35,35,35	0
56	MG	1A	3309	1/1	0.94	0.25	47,47,47,47	0
56	MG	2A	3490	1/1	0.94	0.08	49,49,49,49	0
56	MG	1A	3956	1/1	0.94	0.11	55,55,55,55	0
56	MG	2A	3492	1/1	0.94	0.10	58,58,58,58	0
56	MG	2A	3493	1/1	0.94	0.10	45,45,45,45	0
56	MG	1A	3739	1/1	0.94	0.07	30,30,30,30	0
56	MG	1A	3018	1/1	0.94	0.30	50,50,50,50	0
56	MG	1A	4190	1/1	0.94	0.14	58,58,58,58	0
56	MG	2B	3019	1/1	0.94	0.27	66,66,66,66	0
56	MG	1a	1872	1/1	0.94	0.08	85,85,85,85	0
56	MG	1A	3743	1/1	0.94	0.17	43,43,43,43	0
56	MG	1A	4194	1/1	0.94	0.15	55,55,55,55	0
56	MG	1A	3084	1/1	0.94	0.12	42,42,42,42	0
56	MG	2E	303	1/1	0.94	0.15	51,51,51,51	0
56	MG	2A	3504	1/1	0.94	0.10	47,47,47,47	0
56	MG	2A	3505	1/1	0.94	0.12	58,58,58,58	0
56	MG	2A	3506	1/1	0.94	0.07	38,38,38,38	0
56	MG	1A	3588	1/1	0.94	0.09	50,50,50,50	0
56	MG	1a	1642	1/1	0.94	0.24	51,51,51,51	0
56	MG	1A	3964	1/1	0.94	0.31	37,37,37,37	0
56	MG	1a	1884	1/1	0.94	0.09	54,54,54,54	0
56	MG	1A	3314	1/1	0.94	0.08	53,53,53,53	0
56	MG	1A	3753	1/1	0.94	0.08	32,32,32,32	0
56	MG	1A	3477	1/1	0.94	0.10	44,44,44,44	0
56	MG	1a	1647	1/1	0.94	0.15	49,49,49,49	0
56	MG	1a	1900	1/1	0.94	0.07	62,62,62,62	0
56	MG	1a	1906	1/1	0.94	0.08	50,50,50,50	0
56	MG	1A	3478	1/1	0.94	0.08	47,47,47,47	0
56	MG	1A	3598	1/1	0.94	0.20	54,54,54,54	0
56	MG	1a	1916	1/1	0.94	0.06	79,79,79,79	0
56	MG	2A	3529	1/1	0.94	0.07	35,35,35,35	0
56	MG	1a	1651	1/1	0.94	0.12	39,39,39,39	0
56	MG	1A	3763	1/1	0.94	0.08	37,37,37,37	0
56	MG	2A	3535	1/1	0.94	0.13	37,37,37,37	0
56	MG	1A	3479	1/1	0.94	0.10	57,57,57,57	0
56	MG	1a	1921	1/1	0.94	0.40	55,55,55,55	0
56	MG	2A	3538	1/1	0.94	0.11	48,48,48,48	0
56	MG	20	103	1/1	0.94	0.17	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	1A	3247	1/1	0.94	0.17	71,71,71,71	0
56	MG	1a	1923	1/1	0.94	0.15	69,69,69,69	0
56	MG	1A	3184	1/1	0.94	0.04	61,61,61,61	0
56	MG	1A	3602	1/1	0.94	0.24	56,56,56,56	0
56	MG	1A	4217	1/1	0.94	0.15	57,57,57,57	0
56	MG	2A	3551	1/1	0.94	0.06	44,44,44,44	0
56	MG	2A	3553	1/1	0.94	0.08	42,42,42,42	0
56	MG	28	102	1/1	0.94	0.26	55,55,55,55	0
56	MG	1b	3002	1/1	0.94	0.08	65,65,65,65	0
56	MG	1A	3390	1/1	0.94	0.17	55,55,55,55	0
56	MG	1A	3056	1/1	0.94	0.21	50,50,50,50	0
56	MG	1e	3001	1/1	0.94	0.14	61,61,61,61	0
56	MG	1A	3605	1/1	0.94	0.06	48,48,48,48	0
56	MG	1A	4222	1/1	0.94	0.09	45,45,45,45	0
56	MG	1l	204	1/1	0.94	0.11	49,49,49,49	0
56	MG	1A	3035	1/1	0.94	0.08	54,54,54,54	0
56	MG	2A	3573	1/1	0.94	0.07	49,49,49,49	0
56	MG	1A	4227	1/1	0.94	0.13	38,38,38,38	0
56	MG	1A	3783	1/1	0.94	0.12	37,37,37,37	0
56	MG	1a	1672	1/1	0.94	0.16	61,61,61,61	0
56	MG	1A	3060	1/1	0.94	0.11	50,50,50,50	0
56	MG	1A	3019	1/1	0.94	0.17	45,45,45,45	0
56	MG	2A	3584	1/1	0.94	0.15	25,25,25,25	0
56	MG	1A	3492	1/1	0.94	0.21	47,47,47,47	0
56	MG	1A	3793	1/1	0.94	0.10	36,36,36,36	0
56	MG	1A	3611	1/1	0.94	0.10	59,59,59,59	0
56	MG	1A	4247	1/1	0.94	0.06	34,34,34,34	0
56	MG	1a	1680	1/1	0.94	0.16	48,48,48,48	0
56	MG	1A	3129	1/1	0.94	0.10	41,41,41,41	0
56	MG	2A	3276	1/1	0.94	0.16	49,49,49,49	0
56	MG	1A	4253	1/1	0.94	0.32	45,45,45,45	0
56	MG	1x	103	1/1	0.94	0.18	59,59,59,59	0
56	MG	1A	3041	1/1	0.94	0.10	33,33,33,33	0
56	MG	1a	1684	1/1	0.94	0.13	55,55,55,55	0
56	MG	1A	3622	1/1	0.94	0.22	54,54,54,54	0
56	MG	1A	3197	1/1	0.94	0.15	55,55,55,55	0
56	MG	1B	202	1/1	0.94	0.23	56,56,56,56	0
56	MG	1A	3325	1/1	0.94	0.15	47,47,47,47	0
56	MG	1A	3257	1/1	0.94	0.26	49,49,49,49	0
56	MG	1A	3198	1/1	0.94	0.17	67,67,67,67	0
56	MG	1A	3137	1/1	0.94	0.22	38,38,38,38	0
56	MG	2A	3289	1/1	0.94	0.08	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	3623	1/1	0.94	0.16	57,57,57,57	0
56	MG	1x	115	1/1	0.94	0.14	49,49,49,49	0
56	MG	1A	3004	1/1	0.94	0.17	35,35,35,35	0
56	MG	2a	3042	1/1	0.94	0.21	81,81,81,81	0
56	MG	1A	3143	1/1	0.94	0.08	44,44,44,44	0
56	MG	1A	3504	1/1	0.94	0.09	51,51,51,51	0
56	MG	2A	3294	1/1	0.94	0.17	59,59,59,59	0
56	MG	1y	3002	1/1	0.94	0.05	55,55,55,55	0
56	MG	1A	4008	1/1	0.94	0.06	84,84,84,84	0
56	MG	1A	3408	1/1	0.94	0.17	48,48,48,48	0
56	MG	2A	3638	1/1	0.94	0.17	44,44,44,44	0
56	MG	1A	3096	1/1	0.94	0.13	46,46,46,46	0
56	MG	2A	3001	1/1	0.94	0.30	49,49,49,49	0
56	MG	1A	3098	1/1	0.94	0.12	57,57,57,57	0
56	MG	2A	3003	1/1	0.94	0.11	40,40,40,40	0
56	MG	2A	3004	1/1	0.94	0.19	44,44,44,44	0
56	MG	2A	3646	1/1	0.94	0.10	50,50,50,50	0
56	MG	2A	3647	1/1	0.94	0.17	39,39,39,39	0
56	MG	1A	3824	1/1	0.94	0.10	65,65,65,65	0
56	MG	1A	3509	1/1	0.94	0.16	38,38,38,38	0
56	MG	1A	3045	1/1	0.94	0.13	38,38,38,38	0
56	MG	2A	3654	1/1	0.94	0.24	54,54,54,54	0
56	MG	1A	3269	1/1	0.94	0.11	57,57,57,57	0
56	MG	2A	3013	1/1	0.94	0.11	42,42,42,42	0
56	MG	1A	3641	1/1	0.94	0.07	40,40,40,40	0
56	MG	2A	3658	1/1	0.94	0.18	36,36,36,36	0
56	MG	1A	4018	1/1	0.94	0.09	45,45,45,45	0
56	MG	2A	3660	1/1	0.94	0.08	57,57,57,57	0
56	MG	1A	3831	1/1	0.94	0.09	46,46,46,46	0
56	MG	1B	233	1/1	0.94	0.14	82,82,82,82	0
56	MG	1a	1715	1/1	0.94	0.16	62,62,62,62	0
56	MG	2A	3028	1/1	0.94	0.31	47,47,47,47	0
56	MG	1A	3512	1/1	0.94	0.15	59,59,59,59	0
56	MG	1A	3339	1/1	0.94	0.08	53,53,53,53	0
56	MG	1A	3835	1/1	0.94	0.10	37,37,37,37	0
56	MG	1A	3415	1/1	0.94	0.12	57,57,57,57	0
56	MG	2A	3325	1/1	0.94	0.22	47,47,47,47	0
56	MG	2A	3326	1/1	0.94	0.15	57,57,57,57	0
56	MG	2a	3081	1/1	0.94	0.06	52,52,52,52	0
56	MG	1A	3148	1/1	0.94	0.17	40,40,40,40	0
56	MG	1a	1721	1/1	0.94	0.17	41,41,41,41	0
56	MG	1E	303	1/1	0.94	0.18	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	3341	1/1	0.94	0.14	46,46,46,46	0
56	MG	2A	3041	1/1	0.94	0.09	39,39,39,39	0
56	MG	2A	3685	1/1	0.94	0.07	44,44,44,44	0
56	MG	1A	3841	1/1	0.94	0.13	42,42,42,42	0
56	MG	1A	3517	1/1	0.94	0.11	53,53,53,53	0
56	MG	1A	3846	1/1	0.94	0.06	47,47,47,47	0
56	MG	2a	3096	1/1	0.94	0.17	70,70,70,70	0
56	MG	2A	3047	1/1	0.94	0.13	44,44,44,44	0
56	MG	1A	3271	1/1	0.94	0.19	47,47,47,47	0
56	MG	1A	3344	1/1	0.94	0.13	60,60,60,60	0
56	MG	2a	3103	1/1	0.94	0.14	65,65,65,65	0
56	MG	1A	3420	1/1	0.94	0.14	50,50,50,50	0
56	MG	1A	3521	1/1	0.94	0.07	71,71,71,71	0
56	MG	1A	3523	1/1	0.94	0.16	61,61,61,61	0
56	MG	2A	3697	1/1	0.94	0.05	42,42,42,42	0
56	MG	2A	3342	1/1	0.94	0.21	53,53,53,53	0
56	MG	1a	1736	1/1	0.94	0.20	44,44,44,44	0
56	MG	2a	3111	1/1	0.94	0.05	67,67,67,67	0
56	MG	1a	1738	1/1	0.94	0.21	51,51,51,51	0
56	MG	2A	3346	1/1	0.94	0.07	55,55,55,55	0
56	MG	1A	3860	1/1	0.94	0.13	36,36,36,36	0
56	MG	2A	3060	1/1	0.94	0.20	50,50,50,50	0
56	MG	1a	1741	1/1	0.94	0.15	51,51,51,51	0
56	MG	1A	3422	1/1	0.94	0.18	56,56,56,56	0
56	MG	1A	3345	1/1	0.94	0.26	57,57,57,57	0
56	MG	1A	3346	1/1	0.94	0.22	57,57,57,57	0
56	MG	1A	3871	1/1	0.94	0.11	37,37,37,37	0
56	MG	1G	3001	1/1	0.94	0.08	41,41,41,41	0
56	MG	1A	3877	1/1	0.94	0.08	40,40,40,40	0
56	MG	1A	4071	1/1	0.94	0.11	71,71,71,71	0
56	MG	1A	3347	1/1	0.94	0.27	42,42,42,42	0
56	MG	1A	4075	1/1	0.94	0.08	21,21,21,21	0
56	MG	2a	3128	1/1	0.94	0.12	60,60,60,60	0
56	MG	2A	3071	1/1	0.94	0.16	31,31,31,31	0
56	MG	1A	3661	1/1	0.94	0.24	61,61,61,61	0
56	MG	1A	4081	1/1	0.94	0.08	99,99,99,99	0
56	MG	1A	3272	1/1	0.94	0.20	55,55,55,55	0
56	MG	2A	3078	1/1	0.94	0.24	41,41,41,41	0
56	MG	2A	3079	1/1	0.94	0.12	47,47,47,47	0
56	MG	2A	3736	1/1	0.94	0.06	36,36,36,36	0
56	MG	2a	3141	1/1	0.94	0.09	57,57,57,57	0
56	MG	2A	3737	1/1	0.94	0.17	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3429	1/1	0.94	0.12	48,48,48,48	0
56	MG	1N	3007	1/1	0.94	0.20	56,56,56,56	0
56	MG	1A	3664	1/1	0.94	0.14	51,51,51,51	0
56	MG	1A	3665	1/1	0.94	0.07	40,40,40,40	0
56	MG	1A	3068	1/1	0.94	0.15	55,55,55,55	0
56	MG	1P	201	1/1	0.94	0.36	34,34,34,34	0
56	MG	2A	3745	1/1	0.94	0.17	51,51,51,51	0
56	MG	1a	1762	1/1	0.94	0.18	60,60,60,60	0
56	MG	1P	202	1/1	0.94	0.15	39,39,39,39	0
56	MG	2a	3158	1/1	0.94	0.07	47,47,47,47	0
56	MG	1a	1764	1/1	0.94	0.09	36,36,36,36	0
56	MG	1a	1765	1/1	0.94	0.24	53,53,53,53	0
56	MG	1P	203	1/1	0.94	0.24	44,44,44,44	0
56	MG	2A	3752	1/1	0.94	0.15	45,45,45,45	0
56	MG	1a	1768	1/1	0.94	0.21	47,47,47,47	0
56	MG	1Q	201	1/1	0.94	0.13	37,37,37,37	0
56	MG	1a	1772	1/1	0.94	0.08	56,56,56,56	0
56	MG	1A	3275	1/1	0.94	0.33	45,45,45,45	0
56	MG	2a	3178	1/1	0.94	0.16	64,64,64,64	0
56	MG	1A	3150	1/1	0.94	0.08	43,43,43,43	0
56	MG	2A	3386	1/1	0.94	0.28	68,68,68,68	0
56	MG	1S	3001	1/1	0.94	0.11	52,52,52,52	0
56	MG	2a	3184	1/1	0.94	0.17	58,58,58,58	0
56	MG	2A	3109	1/1	0.94	0.14	58,58,58,58	0
56	MG	1A	4092	1/1	0.94	0.11	57,57,57,57	0
56	MG	1A	3672	1/1	0.94	0.06	40,40,40,40	0
56	MG	1T	201	1/1	0.94	0.15	57,57,57,57	0
56	MG	2A	3114	1/1	0.94	0.18	51,51,51,51	0
56	MG	1A	3101	1/1	0.94	0.24	66,66,66,66	0
56	MG	1A	3278	1/1	0.94	0.25	55,55,55,55	0
56	MG	1A	3010	1/1	0.94	0.13	41,41,41,41	0
56	MG	2A	3770	1/1	0.94	0.09	52,52,52,52	0
56	MG	1A	3677	1/1	0.94	0.21	57,57,57,57	0
56	MG	2a	3197	1/1	0.94	0.23	63,63,63,63	0
56	MG	1a	1786	1/1	0.94	0.14	53,53,53,53	0
56	MG	2A	3128	1/1	0.94	0.17	56,56,56,56	0
56	MG	2A	3775	1/1	0.94	0.09	40,40,40,40	0
56	MG	2A	3129	1/1	0.94	0.09	56,56,56,56	0
56	MG	2a	3203	1/1	0.94	0.16	50,50,50,50	0
56	MG	2A	3130	1/1	0.94	0.14	47,47,47,47	0
56	MG	1A	4109	1/1	0.94	0.07	40,40,40,40	0
56	MG	1A	3442	1/1	0.94	0.24	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	2A	3135	1/1	0.94	0.14	51,51,51,51	0
56	MG	1A	3283	1/1	0.94	0.20	42,42,42,42	0
56	MG	2A	3788	1/1	0.94	0.06	47,47,47,47	0
56	MG	2A	3790	1/1	0.94	0.13	61,61,61,61	0
56	MG	2A	3406	1/1	0.94	0.09	52,52,52,52	0
56	MG	2A	3407	1/1	0.94	0.09	62,62,62,62	0
56	MG	2A	3408	1/1	0.94	0.16	60,60,60,60	0
56	MG	2A	3142	1/1	0.94	0.09	51,51,51,51	0
56	MG	2A	3143	1/1	0.94	0.13	35,35,35,35	0
56	MG	2A	3144	1/1	0.94	0.15	39,39,39,39	0
56	MG	1X	102	1/1	0.94	0.10	45,45,45,45	0
56	MG	1A	3050	1/1	0.94	0.13	24,24,24,24	0
56	MG	2A	3149	1/1	0.94	0.21	35,35,35,35	0
56	MG	1A	3288	1/1	0.94	0.16	54,54,54,54	0
56	MG	1A	3447	1/1	0.94	0.14	58,58,58,58	0
56	MG	1A	4118	1/1	0.94	0.08	66,66,66,66	0
56	MG	1A	3291	1/1	0.94	0.14	49,49,49,49	0
56	MG	2A	3155	1/1	0.94	0.15	56,56,56,56	0
56	MG	1Z	303	1/1	0.94	0.20	62,62,62,62	0
56	MG	1A	3449	1/1	0.94	0.09	52,52,52,52	0
56	MG	1A	3158	1/1	0.94	0.09	47,47,47,47	0
56	MG	2A	3160	1/1	0.94	0.07	42,42,42,42	0
56	MG	1A	3921	1/1	0.94	0.10	53,53,53,53	0
56	MG	1A	3107	1/1	0.94	0.29	47,47,47,47	0
56	MG	1A	3454	1/1	0.94	0.14	51,51,51,51	0
56	MG	1A	4133	1/1	0.94	0.12	57,57,57,57	0
56	MG	1A	4135	1/1	0.94	0.11	67,67,67,67	0
56	MG	1A	3455	1/1	0.94	0.30	41,41,41,41	0
56	MG	2A	3839	1/1	0.94	0.07	33,33,33,33	0
56	MG	2A	3840	1/1	0.94	0.10	49,49,49,49	0
56	MG	2A	3168	1/1	0.94	0.21	50,50,50,50	0
56	MG	13	101	1/1	0.94	0.10	50,50,50,50	0
56	MG	1A	3694	1/1	0.94	0.15	36,36,36,36	0
56	MG	2A	3171	1/1	0.94	0.12	61,61,61,61	0
56	MG	1A	3929	1/1	0.94	0.12	62,62,62,62	0
56	MG	1a	1811	1/1	0.94	0.33	68,68,68,68	0
56	MG	1A	3930	1/1	0.94	0.08	44,44,44,44	0
56	MG	1A	3701	1/1	0.94	0.06	31,31,31,31	0
56	MG	16	103	1/1	0.94	0.20	53,53,53,53	0
56	MG	1A	3456	1/1	0.94	0.23	57,57,57,57	0
56	MG	1A	3705	1/1	0.94	0.08	42,42,42,42	0
56	MG	2A	3179	1/1	0.94	0.17	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	2w	101	1/1	0.94	0.15	65,65,65,65	0
56	MG	1A	3108	1/1	0.94	0.34	42,42,42,42	0
56	MG	1A	3166	1/1	0.94	0.24	42,42,42,42	0
56	MG	2A	3455	1/1	0.94	0.20	44,44,44,44	0
56	MG	2A	3880	1/1	0.94	0.07	55,55,55,55	0
56	MG	2A	3183	1/1	0.94	0.13	54,54,54,54	0
56	MG	1a	1819	1/1	0.94	0.07	46,46,46,46	0
56	MG	2A	3886	1/1	0.94	0.16	53,53,53,53	0
56	MG	1A	3077	1/1	0.94	0.28	39,39,39,39	0
56	MG	1A	3051	1/1	0.94	0.28	43,43,43,43	0
56	MG	1A	3370	1/1	0.94	0.23	55,55,55,55	0
56	MG	1A	3941	1/1	0.94	0.09	29,29,29,29	0
56	MG	1a	1826	1/1	0.94	0.09	68,68,68,68	0
56	MG	2A	3896	1/1	0.94	0.16	53,53,53,53	0
56	MG	1A	4155	1/1	0.94	0.08	19,19,19,19	0
56	MG	2A	3193	1/1	0.94	0.11	57,57,57,57	0
56	MG	1a	1830	1/1	0.94	0.07	36,36,36,36	0
56	MG	2A	3466	1/1	0.94	0.17	50,50,50,50	0
56	MG	1A	4156	1/1	0.94	0.07	54,54,54,54	0
56	MG	1A	3371	1/1	0.94	0.11	56,56,56,56	0
56	MG	2A	3197	1/1	0.94	0.08	44,44,44,44	0
56	MG	1A	3171	1/1	0.94	0.20	50,50,50,50	0
56	MG	1a	1840	1/1	0.95	0.10	50,50,50,50	0
56	MG	2A	3123	1/1	0.95	0.14	50,50,50,50	0
56	MG	1a	1842	1/1	0.95	0.10	61,61,61,61	0
56	MG	1A	3219	1/1	0.95	0.08	51,51,51,51	0
56	MG	2U	204	1/1	0.95	0.18	42,42,42,42	0
56	MG	2A	3356	1/1	0.95	0.12	53,53,53,53	0
56	MG	2V	201	1/1	0.95	0.10	50,50,50,50	0
56	MG	1A	3220	1/1	0.95	0.11	47,47,47,47	0
56	MG	1a	1847	1/1	0.95	0.09	51,51,51,51	0
56	MG	2W	203	1/1	0.95	0.13	49,49,49,49	0
56	MG	1B	213	1/1	0.95	0.07	80,80,80,80	0
56	MG	1A	3133	1/1	0.95	0.21	36,36,36,36	0
56	MG	1B	218	1/1	0.95	0.20	22,22,22,22	0
56	MG	1a	1855	1/1	0.95	0.21	49,49,49,49	0
56	MG	2A	3136	1/1	0.95	0.10	41,41,41,41	0
56	MG	1a	1857	1/1	0.95	0.08	64,64,64,64	0
56	MG	1a	1660	1/1	0.95	0.06	49,49,49,49	0
56	MG	1A	3223	1/1	0.95	0.23	43,43,43,43	0
56	MG	1B	220	1/1	0.95	0.10	51,51,51,51	0
56	MG	1A	4069	1/1	0.95	0.11	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3649	1/1	0.95	0.12	58,58,58,58	0
56	MG	2A	3369	1/1	0.95	0.09	52,52,52,52	0
56	MG	1A	3526	1/1	0.95	0.09	46,46,46,46	0
56	MG	1A	3135	1/1	0.95	0.14	39,39,39,39	0
56	MG	1A	4073	1/1	0.95	0.15	68,68,68,68	0
56	MG	1a	1668	1/1	0.95	0.11	48,48,48,48	0
56	MG	1A	3389	1/1	0.95	0.19	43,43,43,43	0
56	MG	1A	3746	1/1	0.95	0.06	51,51,51,51	0
56	MG	1A	4080	1/1	0.95	0.09	26,26,26,26	0
56	MG	1A	3917	1/1	0.95	0.11	36,36,36,36	0
56	MG	1A	3918	1/1	0.95	0.20	42,42,42,42	0
56	MG	2A	3662	1/1	0.95	0.17	52,52,52,52	0
56	MG	2A	3663	1/1	0.95	0.09	43,43,43,43	0
56	MG	1A	3919	1/1	0.95	0.16	47,47,47,47	0
56	MG	1A	3225	1/1	0.95	0.14	53,53,53,53	0
56	MG	1a	1877	1/1	0.95	0.09	72,72,72,72	0
56	MG	2A	3667	1/1	0.95	0.07	36,36,36,36	0
56	MG	1B	235	1/1	0.95	0.08	52,52,52,52	0
56	MG	2A	3670	1/1	0.95	0.06	42,42,42,42	0
56	MG	2a	3016	1/1	0.95	0.26	55,55,55,55	0
56	MG	1D	303	1/1	0.95	0.21	45,45,45,45	0
56	MG	1a	1882	1/1	0.95	0.13	52,52,52,52	0
56	MG	1A	3330	1/1	0.95	0.37	67,67,67,67	0
56	MG	1D	310	1/1	0.95	0.27	27,27,27,27	0
56	MG	1a	1887	1/1	0.95	0.08	57,57,57,57	0
56	MG	1a	1889	1/1	0.95	0.06	77,77,77,77	0
56	MG	2A	3680	1/1	0.95	0.10	51,51,51,51	0
56	MG	1A	3922	1/1	0.95	0.07	44,44,44,44	0
56	MG	1a	1892	1/1	0.95	0.06	66,66,66,66	0
56	MG	1A	3102	1/1	0.95	0.09	42,42,42,42	0
56	MG	1A	3274	1/1	0.95	0.13	71,71,71,71	0
56	MG	1a	1685	1/1	0.95	0.31	53,53,53,53	0
56	MG	1A	3049	1/1	0.95	0.10	45,45,45,45	0
56	MG	1A	3228	1/1	0.95	0.10	37,37,37,37	0
56	MG	1A	3761	1/1	0.95	0.08	26,26,26,26	0
56	MG	1A	3396	1/1	0.95	0.23	43,43,43,43	0
56	MG	1A	3543	1/1	0.95	0.12	71,71,71,71	0
56	MG	2a	3035	1/1	0.95	0.10	81,81,81,81	0
56	MG	1A	3397	1/1	0.95	0.14	44,44,44,44	0
56	MG	2A	3693	1/1	0.95	0.07	49,49,49,49	0
56	MG	1A	3139	1/1	0.95	0.09	42,42,42,42	0
56	MG	1A	3183	1/1	0.95	0.14	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1F	301	1/1	0.95	0.13	68,68,68,68	0
56	MG	1A	3547	1/1	0.95	0.16	40,40,40,40	0
56	MG	1A	3281	1/1	0.95	0.21	53,53,53,53	0
56	MG	2A	3699	1/1	0.95	0.06	64,64,64,64	0
56	MG	1a	1926	1/1	0.95	0.11	55,55,55,55	0
56	MG	1A	3779	1/1	0.95	0.09	31,31,31,31	0
56	MG	1A	3401	1/1	0.95	0.07	46,46,46,46	0
56	MG	2a	3049	1/1	0.95	0.12	50,50,50,50	0
56	MG	1A	3550	1/1	0.95	0.17	34,34,34,34	0
56	MG	1A	3647	1/1	0.95	0.08	40,40,40,40	0
56	MG	1A	3551	1/1	0.95	0.15	33,33,33,33	0
56	MG	2A	3707	1/1	0.95	0.12	50,50,50,50	0
56	MG	1A	3787	1/1	0.95	0.07	35,35,35,35	0
56	MG	1A	3946	1/1	0.95	0.10	34,34,34,34	0
56	MG	1A	3140	1/1	0.95	0.18	37,37,37,37	0
56	MG	2A	3415	1/1	0.95	0.07	59,59,59,59	0
56	MG	1A	3650	1/1	0.95	0.12	45,45,45,45	0
56	MG	2A	3718	1/1	0.95	0.07	30,30,30,30	0
56	MG	2A	3417	1/1	0.95	0.18	60,60,60,60	0
56	MG	1A	3342	1/1	0.95	0.09	54,54,54,54	0
56	MG	2A	3420	1/1	0.95	0.09	61,61,61,61	0
56	MG	1A	3234	1/1	0.95	0.14	62,62,62,62	0
56	MG	1N	3001	1/1	0.95	0.20	56,56,56,56	0
56	MG	2A	3202	1/1	0.95	0.07	53,53,53,53	0
56	MG	1A	4136	1/1	0.95	0.06	59,59,59,59	0
56	MG	2a	3067	1/1	0.95	0.09	62,62,62,62	0
56	MG	1A	4137	1/1	0.95	0.16	72,72,72,72	0
56	MG	1A	3556	1/1	0.95	0.26	45,45,45,45	0
56	MG	1A	3012	1/1	0.95	0.07	32,32,32,32	0
56	MG	1A	3475	1/1	0.95	0.17	48,48,48,48	0
56	MG	2a	3072	1/1	0.95	0.15	49,49,49,49	0
56	MG	1O	3002	1/1	0.95	0.19	59,59,59,59	0
56	MG	2A	3433	1/1	0.95	0.18	46,46,46,46	0
56	MG	1A	3476	1/1	0.95	0.21	53,53,53,53	0
56	MG	1A	3658	1/1	0.95	0.32	65,65,65,65	0
56	MG	2A	3436	1/1	0.95	0.21	54,54,54,54	0
56	MG	1A	3106	1/1	0.95	0.19	47,47,47,47	0
56	MG	1A	3563	1/1	0.95	0.25	44,44,44,44	0
56	MG	1x	101	1/1	0.95	0.08	45,45,45,45	0
56	MG	1A	3289	1/1	0.95	0.13	59,59,59,59	0
56	MG	1A	3290	1/1	0.95	0.26	49,49,49,49	0
56	MG	1x	104	1/1	0.95	0.17	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3085	1/1	0.95	0.17	57,57,57,57	0
56	MG	1A	3016	1/1	0.95	0.15	50,50,50,50	0
56	MG	2A	3220	1/1	0.95	0.07	46,46,46,46	0
56	MG	1A	3567	1/1	0.95	0.09	38,38,38,38	0
56	MG	1A	3809	1/1	0.95	0.08	56,56,56,56	0
56	MG	1a	1733	1/1	0.95	0.15	41,41,41,41	0
56	MG	2a	3093	1/1	0.95	0.15	55,55,55,55	0
56	MG	2a	3094	1/1	0.95	0.16	61,61,61,61	0
56	MG	1A	3811	1/1	0.95	0.08	45,45,45,45	0
56	MG	1A	3481	1/1	0.95	0.11	52,52,52,52	0
56	MG	2A	3226	1/1	0.95	0.17	51,51,51,51	0
56	MG	1a	1737	1/1	0.95	0.07	51,51,51,51	0
56	MG	1A	3814	1/1	0.95	0.11	64,64,64,64	0
56	MG	2a	3101	1/1	0.95	0.14	40,40,40,40	0
56	MG	2a	3102	1/1	0.95	0.25	63,63,63,63	0
56	MG	1A	4157	1/1	0.95	0.07	61,61,61,61	0
56	MG	2A	3230	1/1	0.95	0.06	58,58,58,58	0
56	MG	1A	3482	1/1	0.95	0.10	53,53,53,53	0
56	MG	1A	3820	1/1	0.95	0.07	38,38,38,38	0
56	MG	1A	3191	1/1	0.95	0.24	48,48,48,48	0
56	MG	2A	3235	1/1	0.95	0.12	52,52,52,52	0
56	MG	2A	3767	1/1	0.95	0.11	52,52,52,52	0
56	MG	1A	4163	1/1	0.95	0.07	70,70,70,70	0
56	MG	1A	3669	1/1	0.95	0.31	48,48,48,48	0
56	MG	1W	3003	1/1	0.95	0.23	45,45,45,45	0
56	MG	1A	4167	1/1	0.95	0.08	47,47,47,47	0
56	MG	1A	3670	1/1	0.95	0.08	45,45,45,45	0
56	MG	1A	3571	1/1	0.95	0.19	58,58,58,58	0
56	MG	1A	3980	1/1	0.95	0.11	33,33,33,33	0
56	MG	2A	3777	1/1	0.95	0.08	55,55,55,55	0
56	MG	1A	3242	1/1	0.95	0.50	40,40,40,40	0
56	MG	1A	3829	1/1	0.95	0.06	54,54,54,54	0
56	MG	1A	3017	1/1	0.95	0.23	44,44,44,44	0
56	MG	2A	3781	1/1	0.95	0.08	47,47,47,47	0
56	MG	1A	4176	1/1	0.95	0.12	55,55,55,55	0
56	MG	2A	3007	1/1	0.95	0.14	54,54,54,54	0
56	MG	1A	3066	1/1	0.95	0.16	46,46,46,46	0
56	MG	2A	3010	1/1	0.95	0.09	47,47,47,47	0
56	MG	2a	3129	1/1	0.95	0.33	65,65,65,65	0
56	MG	2A	3475	1/1	0.95	0.14	49,49,49,49	0
56	MG	1A	3245	1/1	0.95	0.16	60,60,60,60	0
56	MG	2A	3795	1/1	0.95	0.09	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	3477	1/1	0.95	0.32	44,44,44,44	0
56	MG	1A	3027	1/1	0.95	0.20	59,59,59,59	0
56	MG	2a	3135	1/1	0.95	0.07	95,95,95,95	0
56	MG	1A	3491	1/1	0.95	0.08	58,58,58,58	0
56	MG	2A	3015	1/1	0.95	0.07	34,34,34,34	0
56	MG	2A	3801	1/1	0.95	0.06	59,59,59,59	0
56	MG	1A	4183	1/1	0.95	0.24	33,33,33,33	0
56	MG	2A	3482	1/1	0.95	0.21	48,48,48,48	0
56	MG	1A	4185	1/1	0.95	0.13	43,43,43,43	0
56	MG	1A	3679	1/1	0.95	0.13	44,44,44,44	0
56	MG	1A	3069	1/1	0.95	0.14	45,45,45,45	0
56	MG	12	3002	1/1	0.95	0.12	48,48,48,48	0
56	MG	1A	4191	1/1	0.95	0.10	25,25,25,25	0
56	MG	1A	4192	1/1	0.95	0.18	52,52,52,52	0
56	MG	1a	1769	1/1	0.95	0.06	44,44,44,44	0
56	MG	2a	3156	1/1	0.95	0.06	77,77,77,77	0
56	MG	15	101	1/1	0.95	0.06	53,53,53,53	0
56	MG	1A	3302	1/1	0.95	0.19	33,33,33,33	0
56	MG	2A	3034	1/1	0.95	0.08	41,41,41,41	0
56	MG	2A	3035	1/1	0.95	0.17	30,30,30,30	0
56	MG	2a	3164	1/1	0.95	0.05	88,88,88,88	0
56	MG	1a	1774	1/1	0.95	0.09	51,51,51,51	0
56	MG	2A	3829	1/1	0.95	0.05	34,34,34,34	0
56	MG	15	104	1/1	0.95	0.15	42,42,42,42	0
56	MG	1A	3582	1/1	0.95	0.11	37,37,37,37	0
56	MG	1A	3094	1/1	0.95	0.05	52,52,52,52	0
56	MG	1A	3200	1/1	0.95	0.16	49,49,49,49	0
56	MG	1A	3685	1/1	0.95	0.20	69,69,69,69	0
56	MG	1A	3686	1/1	0.95	0.12	52,52,52,52	0
56	MG	18	103	1/1	0.95	0.12	57,57,57,57	0
56	MG	2A	3049	1/1	0.95	0.11	21,21,21,21	0
56	MG	1A	3850	1/1	0.95	0.12	25,25,25,25	0
56	MG	1A	3306	1/1	0.95	0.17	40,40,40,40	0
56	MG	1A	3854	1/1	0.95	0.09	49,49,49,49	0
56	MG	1A	3855	1/1	0.95	0.10	34,34,34,34	0
56	MG	2A	3862	1/1	0.95	0.07	62,62,62,62	0
56	MG	2A	3863	1/1	0.95	0.16	68,68,68,68	0
56	MG	1A	3856	1/1	0.95	0.13	56,56,56,56	0
56	MG	1A	4205	1/1	0.95	0.14	46,46,46,46	0
56	MG	2A	3866	1/1	0.95	0.07	63,63,63,63	0
56	MG	1A	3586	1/1	0.95	0.14	44,44,44,44	0
56	MG	1A	3363	1/1	0.95	0.09	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3426	1/1	0.95	0.08	52,52,52,52	0
56	MG	1A	3119	1/1	0.95	0.07	41,41,41,41	0
56	MG	2A	3526	1/1	0.95	0.07	48,48,48,48	0
56	MG	1A	3156	1/1	0.95	0.51	47,47,47,47	0
56	MG	1a	1614	1/1	0.95	0.05	63,63,63,63	0
56	MG	1A	3206	1/1	0.95	0.12	39,39,39,39	0
56	MG	2A	3879	1/1	0.95	0.07	91,91,91,91	0
56	MG	2a	3205	1/1	0.95	0.15	59,59,59,59	0
56	MG	2A	3533	1/1	0.95	0.08	44,44,44,44	0
56	MG	1a	1616	1/1	0.95	0.16	36,36,36,36	0
56	MG	1a	1617	1/1	0.95	0.15	59,59,59,59	0
56	MG	1a	1799	1/1	0.95	0.18	62,62,62,62	0
56	MG	2a	3211	1/1	0.95	0.11	71,71,71,71	0
56	MG	1A	3869	1/1	0.95	0.06	26,26,26,26	0
56	MG	1A	3055	1/1	0.95	0.10	34,34,34,34	0
56	MG	1A	3874	1/1	0.95	0.11	29,29,29,29	0
56	MG	1A	4223	1/1	0.95	0.07	39,39,39,39	0
56	MG	2A	3544	1/1	0.95	0.06	41,41,41,41	0
56	MG	1A	3875	1/1	0.95	0.05	69,69,69,69	0
56	MG	2a	3218	1/1	0.95	0.10	49,49,49,49	0
56	MG	1A	3876	1/1	0.95	0.09	48,48,48,48	0
56	MG	1A	3029	1/1	0.95	0.12	41,41,41,41	0
56	MG	2A	3550	1/1	0.95	0.07	41,41,41,41	0
56	MG	1A	3097	1/1	0.95	0.20	31,31,31,31	0
56	MG	2A	3901	1/1	0.95	0.10	77,77,77,77	0
56	MG	2a	3224	1/1	0.95	0.12	67,67,67,67	0
56	MG	1a	1628	1/1	0.95	0.28	51,51,51,51	0
56	MG	2A	3555	1/1	0.95	0.07	36,36,36,36	0
56	MG	2A	3907	1/1	0.95	0.05	38,38,38,38	0
56	MG	1a	1629	1/1	0.95	0.10	43,43,43,43	0
56	MG	1A	4232	1/1	0.95	0.44	62,62,62,62	0
56	MG	2A	3084	1/1	0.95	0.13	54,54,54,54	0
56	MG	2A	3085	1/1	0.95	0.11	55,55,55,55	0
56	MG	2A	3086	1/1	0.95	0.09	51,51,51,51	0
56	MG	1A	4234	1/1	0.95	0.29	46,46,46,46	0
56	MG	1A	3030	1/1	0.95	0.17	40,40,40,40	0
56	MG	2A	3918	1/1	0.95	0.41	52,52,52,52	0
56	MG	2A	3320	1/1	0.95	0.19	55,55,55,55	0
56	MG	2A	3572	1/1	0.95	0.07	40,40,40,40	0
56	MG	2A	3921	1/1	0.95	0.09	65,65,65,65	0
56	MG	1A	3716	1/1	0.95	0.09	44,44,44,44	0
56	MG	2A	3576	1/1	0.95	0.06	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	3578	1/1	0.95	0.05	29,29,29,29	0
56	MG	1A	4037	1/1	0.95	0.10	64,64,64,64	0
56	MG	1A	3212	1/1	0.95	0.10	53,53,53,53	0
56	MG	1A	3435	1/1	0.95	0.20	53,53,53,53	0
56	MG	1A	3437	1/1	0.95	0.17	59,59,59,59	0
56	MG	2A	3096	1/1	0.95	0.06	42,42,42,42	0
56	MG	1A	3889	1/1	0.95	0.07	49,49,49,49	0
56	MG	1A	3078	1/1	0.95	0.06	46,46,46,46	0
56	MG	2v	101	1/1	0.95	0.21	55,55,55,55	0
56	MG	1A	3892	1/1	0.95	0.08	60,60,60,60	0
56	MG	1a	1823	1/1	0.95	0.17	51,51,51,51	0
56	MG	1A	3167	1/1	0.95	0.08	41,41,41,41	0
56	MG	2A	3592	1/1	0.95	0.08	52,52,52,52	0
56	MG	1A	3263	1/1	0.95	0.21	61,61,61,61	0
56	MG	1A	3901	1/1	0.95	0.14	60,60,60,60	0
56	MG	1a	1827	1/1	0.95	0.07	66,66,66,66	0
56	MG	2A	3603	1/1	0.95	0.07	44,44,44,44	0
56	MG	2A	3108	1/1	0.95	0.12	39,39,39,39	0
56	MG	1A	3059	1/1	0.95	0.35	63,63,63,63	0
56	MG	1B	206	1/1	0.95	0.12	51,51,51,51	0
56	MG	1a	1648	1/1	0.95	0.06	53,53,53,53	0
56	MG	1A	3380	1/1	0.95	0.08	50,50,50,50	0
56	MG	2E	306	1/1	0.95	0.07	42,42,42,42	0
56	MG	2x	104	1/1	0.95	0.07	58,58,58,58	0
56	MG	2x	105	1/1	0.95	0.24	59,59,59,59	0
56	MG	1A	3381	1/1	0.95	0.10	38,38,38,38	0
56	MG	2y	3001	1/1	0.95	0.04	58,58,58,58	0
56	MG	1a	1836	1/1	0.95	0.08	44,44,44,44	0
56	MG	2A	3116	1/1	0.95	0.23	40,40,40,40	0
56	MG	2A	3615	1/1	0.95	0.07	47,47,47,47	0
56	MG	2A	3118	1/1	0.95	0.17	52,52,52,52	0
56	MG	2A	3347	1/1	0.95	0.10	51,51,51,51	0
56	MG	2A	3120	1/1	0.95	0.12	34,34,34,34	0
56	MG	2O	8001	1/1	0.95	0.11	50,50,50,50	0
56	MG	2P	201	1/1	0.95	0.28	57,57,57,57	0
56	MG	2A	3620	1/1	0.95	0.13	40,40,40,40	0
56	MG	2A	3621	1/1	0.95	0.11	32,32,32,32	0
56	MG	1A	3011	1/1	0.95	0.08	42,42,42,42	0
56	MG	2A	3350	1/1	0.95	0.09	44,44,44,44	0
56	MG	1A	4040	1/1	0.96	0.07	74,74,74,74	0
56	MG	2A	3074	1/1	0.96	0.06	38,38,38,38	0
56	MG	1A	4041	1/1	0.96	0.05	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4043	1/1	0.96	0.12	38,38,38,38	0
56	MG	2A	3077	1/1	0.96	0.06	46,46,46,46	0
56	MG	1A	3900	1/1	0.96	0.05	64,64,64,64	0
56	MG	1a	1803	1/1	0.96	0.25	51,51,51,51	0
56	MG	1a	1610	1/1	0.96	0.13	64,64,64,64	0
56	MG	1A	4047	1/1	0.96	0.10	58,58,58,58	0
56	MG	1A	3237	1/1	0.96	0.28	39,39,39,39	0
56	MG	1A	4225	1/1	0.96	0.17	35,35,35,35	0
56	MG	1A	4226	1/1	0.96	0.20	38,38,38,38	0
56	MG	2A	3337	1/1	0.96	0.10	53,53,53,53	0
56	MG	2A	3624	1/1	0.96	0.07	45,45,45,45	0
56	MG	2A	3626	1/1	0.96	0.13	48,48,48,48	0
56	MG	1A	3162	1/1	0.96	0.39	40,40,40,40	0
56	MG	1A	3376	1/1	0.96	0.07	48,48,48,48	0
56	MG	1A	3199	1/1	0.96	0.29	56,56,56,56	0
56	MG	1A	3240	1/1	0.96	0.17	39,39,39,39	0
56	MG	1a	1621	1/1	0.96	0.07	59,59,59,59	0
56	MG	1A	4233	1/1	0.96	0.11	47,47,47,47	0
56	MG	1A	3908	1/1	0.96	0.09	47,47,47,47	0
56	MG	2X	101	1/1	0.96	0.08	45,45,45,45	0
56	MG	2A	3635	1/1	0.96	0.07	53,53,53,53	0
56	MG	2A	3345	1/1	0.96	0.07	58,58,58,58	0
56	MG	2A	3637	1/1	0.96	0.07	35,35,35,35	0
56	MG	2A	3095	1/1	0.96	0.09	48,48,48,48	0
56	MG	1A	4238	1/1	0.96	0.21	39,39,39,39	0
56	MG	1A	4239	1/1	0.96	0.27	33,33,33,33	0
56	MG	23	3003	1/1	0.96	0.07	48,48,48,48	0
56	MG	2A	3641	1/1	0.96	0.07	36,36,36,36	0
56	MG	1A	3279	1/1	0.96	0.06	40,40,40,40	0
56	MG	2A	3643	1/1	0.96	0.07	51,51,51,51	0
56	MG	1A	3111	1/1	0.96	0.12	38,38,38,38	0
56	MG	27	101	1/1	0.96	0.12	45,45,45,45	0
56	MG	2A	3351	1/1	0.96	0.18	48,48,48,48	0
56	MG	1A	3770	1/1	0.96	0.07	36,36,36,36	0
56	MG	1A	3201	1/1	0.96	0.15	28,28,28,28	0
56	MG	2A	3103	1/1	0.96	0.10	28,28,28,28	0
56	MG	1a	1822	1/1	0.96	0.11	45,45,45,45	0
56	MG	1A	3502	1/1	0.96	0.11	55,55,55,55	0
56	MG	1A	3085	1/1	0.96	0.10	48,48,48,48	0
56	MG	2A	3653	1/1	0.96	0.06	34,34,34,34	0
56	MG	2A	3107	1/1	0.96	0.11	50,50,50,50	0
56	MG	1A	4249	1/1	0.96	0.14	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	4251	1/1	0.96	0.13	49,49,49,49	0
56	MG	1A	3443	1/1	0.96	0.06	42,42,42,42	0
56	MG	1A	3025	1/1	0.96	0.13	45,45,45,45	0
56	MG	1A	3332	1/1	0.96	0.10	49,49,49,49	0
56	MG	1a	1638	1/1	0.96	0.07	45,45,45,45	0
56	MG	1A	3781	1/1	0.96	0.11	26,26,26,26	0
56	MG	1A	4070	1/1	0.96	0.09	51,51,51,51	0
56	MG	2A	3117	1/1	0.96	0.10	54,54,54,54	0
56	MG	1A	3286	1/1	0.96	0.09	62,62,62,62	0
56	MG	2A	3119	1/1	0.96	0.15	48,48,48,48	0
56	MG	1A	3508	1/1	0.96	0.21	41,41,41,41	0
56	MG	1A	3784	1/1	0.96	0.10	65,65,65,65	0
56	MG	1a	1841	1/1	0.96	0.11	52,52,52,52	0
56	MG	1A	4074	1/1	0.96	0.10	58,58,58,58	0
56	MG	1a	1843	1/1	0.96	0.11	50,50,50,50	0
56	MG	1a	1844	1/1	0.96	0.09	52,52,52,52	0
56	MG	1A	3334	1/1	0.96	0.20	54,54,54,54	0
56	MG	1A	4076	1/1	0.96	0.07	30,30,30,30	0
56	MG	1A	3388	1/1	0.96	0.23	45,45,45,45	0
56	MG	2A	3131	1/1	0.96	0.11	56,56,56,56	0
56	MG	2A	3679	1/1	0.96	0.09	51,51,51,51	0
56	MG	1a	1848	1/1	0.96	0.20	44,44,44,44	0
56	MG	1A	3925	1/1	0.96	0.06	32,32,32,32	0
56	MG	1A	3788	1/1	0.96	0.09	27,27,27,27	0
56	MG	1A	3031	1/1	0.96	0.13	27,27,27,27	0
56	MG	1B	216	1/1	0.96	0.08	37,37,37,37	0
56	MG	1a	1856	1/1	0.96	0.11	38,38,38,38	0
56	MG	1a	1652	1/1	0.96	0.19	41,41,41,41	0
56	MG	1a	1653	1/1	0.96	0.14	48,48,48,48	0
56	MG	2A	3145	1/1	0.96	0.13	49,49,49,49	0
56	MG	1B	217	1/1	0.96	0.05	28,28,28,28	0
56	MG	2a	3040	1/1	0.96	0.23	44,44,44,44	0
56	MG	1A	4084	1/1	0.96	0.16	78,78,78,78	0
56	MG	1a	1656	1/1	0.96	0.17	40,40,40,40	0
56	MG	2A	3150	1/1	0.96	0.13	38,38,38,38	0
56	MG	1A	3116	1/1	0.96	0.19	33,33,33,33	0
56	MG	1A	3142	1/1	0.96	0.15	22,22,22,22	0
56	MG	1A	3794	1/1	0.96	0.07	32,32,32,32	0
56	MG	1a	1867	1/1	0.96	0.07	83,83,83,83	0
56	MG	1B	222	1/1	0.96	0.10	59,59,59,59	0
56	MG	1A	3338	1/1	0.96	0.23	50,50,50,50	0
56	MG	1A	3043	1/1	0.96	0.25	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	1A	3589	1/1	0.96	0.26	53,53,53,53	0
56	MG	1A	3934	1/1	0.96	0.07	64,64,64,64	0
56	MG	1A	3021	1/1	0.96	0.06	43,43,43,43	0
56	MG	1a	1666	1/1	0.96	0.10	49,49,49,49	0
56	MG	1A	4094	1/1	0.96	0.06	22,22,22,22	0
56	MG	1A	3174	1/1	0.96	0.25	47,47,47,47	0
56	MG	2A	3710	1/1	0.96	0.10	28,28,28,28	0
56	MG	1A	4096	1/1	0.96	0.13	17,17,17,17	0
56	MG	1a	1879	1/1	0.96	0.10	49,49,49,49	0
56	MG	1B	232	1/1	0.96	0.10	44,44,44,44	0
56	MG	1A	4098	1/1	0.96	0.10	81,81,81,81	0
56	MG	1A	3592	1/1	0.96	0.23	41,41,41,41	0
56	MG	1A	4100	1/1	0.96	0.05	95,95,95,95	0
56	MG	1D	302	1/1	0.96	0.08	44,44,44,44	0
56	MG	1a	1676	1/1	0.96	0.24	60,60,60,60	0
56	MG	1A	3177	1/1	0.96	0.15	42,42,42,42	0
56	MG	2A	3722	1/1	0.96	0.08	48,48,48,48	0
56	MG	1D	304	1/1	0.96	0.05	19,19,19,19	0
56	MG	1D	305	1/1	0.96	0.11	48,48,48,48	0
56	MG	1D	307	1/1	0.96	0.15	25,25,25,25	0
56	MG	2A	3419	1/1	0.96	0.07	46,46,46,46	0
56	MG	2A	3729	1/1	0.96	0.08	48,48,48,48	0
56	MG	2A	3730	1/1	0.96	0.08	40,40,40,40	0
56	MG	2A	3731	1/1	0.96	0.12	62,62,62,62	0
56	MG	1A	3179	1/1	0.96	0.08	39,39,39,39	0
56	MG	1A	3145	1/1	0.96	0.23	45,45,45,45	0
56	MG	1A	3216	1/1	0.96	0.10	52,52,52,52	0
56	MG	2a	3079	1/1	0.96	0.12	40,40,40,40	0
56	MG	1A	4112	1/1	0.96	0.08	43,43,43,43	0
56	MG	1a	1909	1/1	0.96	0.06	64,64,64,64	0
56	MG	1a	1912	1/1	0.96	0.06	69,69,69,69	0
56	MG	1A	4113	1/1	0.96	0.06	60,60,60,60	0
56	MG	1a	1687	1/1	0.96	0.17	73,73,73,73	0
56	MG	2A	3188	1/1	0.96	0.12	57,57,57,57	0
56	MG	2A	3430	1/1	0.96	0.26	57,57,57,57	0
56	MG	2a	3087	1/1	0.96	0.09	64,64,64,64	0
56	MG	2a	3088	1/1	0.96	0.09	63,63,63,63	0
56	MG	1A	3300	1/1	0.96	0.11	52,52,52,52	0
56	MG	1E	304	1/1	0.96	0.11	51,51,51,51	0
56	MG	1a	1919	1/1	0.96	0.07	54,54,54,54	0
56	MG	1A	3524	1/1	0.96	0.15	43,43,43,43	0
56	MG	1A	3120	1/1	0.96	0.30	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	3437	1/1	0.96	0.22	45,45,45,45	0
56	MG	1A	3054	1/1	0.96	0.07	53,53,53,53	0
56	MG	1A	3349	1/1	0.96	0.09	41,41,41,41	0
56	MG	1a	1924	1/1	0.96	0.14	43,43,43,43	0
56	MG	1A	3104	1/1	0.96	0.17	54,54,54,54	0
56	MG	1A	4121	1/1	0.96	0.07	91,91,91,91	0
56	MG	1a	1696	1/1	0.96	0.04	55,55,55,55	0
56	MG	1a	1698	1/1	0.96	0.21	36,36,36,36	0
56	MG	1A	3815	1/1	0.96	0.10	44,44,44,44	0
56	MG	1A	3816	1/1	0.96	0.18	58,58,58,58	0
56	MG	1a	1701	1/1	0.96	0.29	46,46,46,46	0
56	MG	1A	3687	1/1	0.96	0.22	39,39,39,39	0
56	MG	2A	3205	1/1	0.96	0.08	45,45,45,45	0
56	MG	2A	3763	1/1	0.96	0.06	49,49,49,49	0
56	MG	1e	3002	1/1	0.96	0.12	65,65,65,65	0
56	MG	1A	3819	1/1	0.96	0.09	58,58,58,58	0
56	MG	1F	304	1/1	0.96	0.08	44,44,44,44	0
56	MG	1l	203	1/1	0.96	0.09	75,75,75,75	0
56	MG	1A	3221	1/1	0.96	0.08	46,46,46,46	0
56	MG	1F	306	1/1	0.96	0.42	47,47,47,47	0
56	MG	1n	502	1/1	0.96	0.14	41,41,41,41	0
56	MG	1A	4129	1/1	0.96	0.13	56,56,56,56	0
56	MG	1A	3305	1/1	0.96	0.15	35,35,35,35	0
56	MG	1v	3001	1/1	0.96	0.06	64,64,64,64	0
56	MG	2A	3216	1/1	0.96	0.20	54,54,54,54	0
56	MG	2a	3122	1/1	0.96	0.12	53,53,53,53	0
56	MG	2A	3776	1/1	0.96	0.10	33,33,33,33	0
56	MG	1A	3022	1/1	0.96	0.05	28,28,28,28	0
56	MG	1A	3307	1/1	0.96	0.24	53,53,53,53	0
56	MG	1A	3959	1/1	0.96	0.11	46,46,46,46	0
56	MG	1A	3614	1/1	0.96	0.06	40,40,40,40	0
56	MG	1A	3693	1/1	0.96	0.22	57,57,57,57	0
56	MG	1A	3005	1/1	0.96	0.11	53,53,53,53	0
56	MG	1A	3963	1/1	0.96	0.26	38,38,38,38	0
56	MG	1A	3695	1/1	0.96	0.11	37,37,37,37	0
56	MG	1A	4143	1/1	0.96	0.17	36,36,36,36	0
56	MG	1A	4144	1/1	0.96	0.10	34,34,34,34	0
56	MG	1A	3699	1/1	0.96	0.08	24,24,24,24	0
56	MG	2A	3794	1/1	0.96	0.09	74,74,74,74	0
56	MG	1A	3067	1/1	0.96	0.08	44,44,44,44	0
56	MG	1N	3006	1/1	0.96	0.11	46,46,46,46	0
56	MG	1A	3702	1/1	0.96	0.08	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	3231	1/1	0.96	0.31	49,49,49,49	0
56	MG	1A	3619	1/1	0.96	0.14	41,41,41,41	0
56	MG	1A	3620	1/1	0.96	0.36	59,59,59,59	0
56	MG	2A	3803	1/1	0.96	0.15	64,64,64,64	0
56	MG	2A	3804	1/1	0.96	0.09	74,74,74,74	0
56	MG	1A	3707	1/1	0.96	0.12	43,43,43,43	0
56	MG	1A	3708	1/1	0.96	0.18	16,16,16,16	0
56	MG	1A	3710	1/1	0.96	0.23	44,44,44,44	0
56	MG	2A	3237	1/1	0.96	0.12	48,48,48,48	0
56	MG	2A	3483	1/1	0.96	0.05	52,52,52,52	0
56	MG	2A	3238	1/1	0.96	0.17	43,43,43,43	0
56	MG	2A	3239	1/1	0.96	0.34	54,54,54,54	0
56	MG	1A	3976	1/1	0.96	0.09	42,42,42,42	0
56	MG	1a	1731	1/1	0.96	0.17	55,55,55,55	0
56	MG	2a	3163	1/1	0.96	0.06	46,46,46,46	0
56	MG	1A	3621	1/1	0.96	0.07	40,40,40,40	0
56	MG	2a	3165	1/1	0.96	0.13	68,68,68,68	0
56	MG	2a	3166	1/1	0.96	0.06	81,81,81,81	0
56	MG	1A	3153	1/1	0.96	0.13	39,39,39,39	0
56	MG	1A	4158	1/1	0.96	0.08	49,49,49,49	0
56	MG	1Q	204	1/1	0.96	0.06	33,33,33,33	0
56	MG	2A	3824	1/1	0.96	0.10	80,80,80,80	0
56	MG	1Q	205	1/1	0.96	0.06	41,41,41,41	0
56	MG	2a	3175	1/1	0.96	0.06	58,58,58,58	0
56	MG	2A	3826	1/1	0.96	0.09	81,81,81,81	0
56	MG	2A	3827	1/1	0.96	0.12	64,64,64,64	0
56	MG	2a	3179	1/1	0.96	0.08	80,80,80,80	0
56	MG	1y	3001	1/1	0.96	0.19	42,42,42,42	0
56	MG	2A	3830	1/1	0.96	0.08	56,56,56,56	0
56	MG	1A	3715	1/1	0.96	0.15	44,44,44,44	0
56	MG	2a	3183	1/1	0.96	0.08	39,39,39,39	0
56	MG	1A	3311	1/1	0.96	0.16	53,53,53,53	0
56	MG	1a	1740	1/1	0.96	0.12	53,53,53,53	0
56	MG	1A	3849	1/1	0.96	0.12	55,55,55,55	0
56	MG	1A	3189	1/1	0.96	0.10	43,43,43,43	0
56	MG	2A	3838	1/1	0.96	0.07	31,31,31,31	0
56	MG	2a	3189	1/1	0.96	0.09	54,54,54,54	0
56	MG	2A	3502	1/1	0.96	0.08	54,54,54,54	0
56	MG	1A	3851	1/1	0.96	0.11	45,45,45,45	0
56	MG	1a	1744	1/1	0.96	0.13	45,45,45,45	0
56	MG	2A	3843	1/1	0.96	0.07	27,27,27,27	0
56	MG	2A	3848	1/1	0.96	0.06	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3850	1/1	0.96	0.07	68,68,68,68	0
56	MG	1A	3313	1/1	0.96	0.12	49,49,49,49	0
56	MG	1A	3722	1/1	0.96	0.08	21,21,21,21	0
56	MG	1U	203	1/1	0.96	0.32	46,46,46,46	0
56	MG	1a	1748	1/1	0.96	0.17	53,53,53,53	0
56	MG	2A	3861	1/1	0.96	0.06	67,67,67,67	0
56	MG	1A	3723	1/1	0.96	0.07	37,37,37,37	0
56	MG	1A	4170	1/1	0.96	0.11	13,13,13,13	0
56	MG	1A	3362	1/1	0.96	0.11	54,54,54,54	0
56	MG	2A	3012	1/1	0.96	0.09	35,35,35,35	0
56	MG	1W	3001	1/1	0.96	0.13	45,45,45,45	0
56	MG	2a	3208	1/1	0.96	0.10	70,70,70,70	0
56	MG	1A	3727	1/1	0.96	0.11	26,26,26,26	0
56	MG	1A	3991	1/1	0.96	0.42	53,53,53,53	0
56	MG	2A	3267	1/1	0.96	0.08	56,56,56,56	0
56	MG	2A	3017	1/1	0.96	0.10	44,44,44,44	0
56	MG	2A	3269	1/1	0.96	0.13	50,50,50,50	0
56	MG	1W	3005	1/1	0.96	0.07	29,29,29,29	0
56	MG	2A	3528	1/1	0.96	0.08	57,57,57,57	0
56	MG	2A	3019	1/1	0.96	0.05	40,40,40,40	0
56	MG	2A	3272	1/1	0.96	0.07	49,49,49,49	0
56	MG	2A	3532	1/1	0.96	0.08	49,49,49,49	0
56	MG	2A	3020	1/1	0.96	0.09	50,50,50,50	0
56	MG	2A	3882	1/1	0.96	0.15	51,51,51,51	0
56	MG	2A	3883	1/1	0.96	0.24	44,44,44,44	0
56	MG	2A	3022	1/1	0.96	0.07	37,37,37,37	0
56	MG	1A	3858	1/1	0.96	0.14	34,34,34,34	0
56	MG	1A	3190	1/1	0.96	0.14	40,40,40,40	0
56	MG	1A	4178	1/1	0.96	0.10	32,32,32,32	0
56	MG	2A	3278	1/1	0.96	0.06	57,57,57,57	0
56	MG	1A	3364	1/1	0.96	0.05	52,52,52,52	0
56	MG	2A	3893	1/1	0.96	0.05	42,42,42,42	0
56	MG	1A	3861	1/1	0.96	0.09	31,31,31,31	0
56	MG	1Y	503	1/1	0.96	0.24	54,54,54,54	0
56	MG	1A	3268	1/1	0.96	0.09	43,43,43,43	0
56	MG	1A	3864	1/1	0.96	0.09	24,24,24,24	0
56	MG	1A	3483	1/1	0.96	0.13	43,43,43,43	0
56	MG	1A	3039	1/1	0.96	0.37	33,33,33,33	0
56	MG	1A	3423	1/1	0.96	0.11	61,61,61,61	0
56	MG	2d	502	1/1	0.96	0.17	58,58,58,58	0
56	MG	2A	3552	1/1	0.96	0.08	34,34,34,34	0
56	MG	1A	4188	1/1	0.96	0.13	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	1A	3130	1/1	0.96	0.11	57,57,57,57	0
56	MG	1a	1770	1/1	0.96	0.04	48,48,48,48	0
56	MG	1A	3555	1/1	0.96	0.19	72,72,72,72	0
56	MG	10	107	1/1	0.96	0.09	55,55,55,55	0
56	MG	1a	1773	1/1	0.96	0.10	53,53,53,53	0
56	MG	2l	3003	1/1	0.96	0.06	68,68,68,68	0
56	MG	2l	3004	1/1	0.96	0.12	61,61,61,61	0
56	MG	1l	101	1/1	0.96	0.09	44,44,44,44	0
56	MG	2A	3046	1/1	0.96	0.04	37,37,37,37	0
56	MG	2A	3566	1/1	0.96	0.07	51,51,51,51	0
56	MG	2q	203	1/1	0.96	0.05	72,72,72,72	0
56	MG	2A	3916	1/1	0.96	0.18	41,41,41,41	0
56	MG	1A	4006	1/1	0.96	0.14	57,57,57,57	0
56	MG	1A	3736	1/1	0.96	0.16	32,32,32,32	0
56	MG	1A	3109	1/1	0.96	0.06	50,50,50,50	0
56	MG	1A	3488	1/1	0.96	0.12	45,45,45,45	0
56	MG	2A	3574	1/1	0.96	0.05	32,32,32,32	0
56	MG	1A	3640	1/1	0.96	0.07	40,40,40,40	0
56	MG	2A	3053	1/1	0.96	0.14	55,55,55,55	0
56	MG	1A	3195	1/1	0.96	0.33	39,39,39,39	0
56	MG	1A	3882	1/1	0.96	0.12	59,59,59,59	0
56	MG	1A	3559	1/1	0.96	0.22	35,35,35,35	0
56	MG	2B	3007	1/1	0.96	0.09	53,53,53,53	0
56	MG	1A	3744	1/1	0.96	0.06	37,37,37,37	0
56	MG	1A	3320	1/1	0.96	0.12	55,55,55,55	0
56	MG	1A	3110	1/1	0.96	0.18	40,40,40,40	0
56	MG	1A	3562	1/1	0.96	0.09	45,45,45,45	0
56	MG	17	103	1/1	0.96	0.07	48,48,48,48	0
56	MG	2A	3587	1/1	0.96	0.10	46,46,46,46	0
56	MG	1A	3750	1/1	0.96	0.08	45,45,45,45	0
56	MG	1A	3160	1/1	0.96	0.26	49,49,49,49	0
56	MG	1A	3893	1/1	0.96	0.10	33,33,33,33	0
56	MG	19	103	1/1	0.96	0.16	41,41,41,41	0
56	MG	2B	3018	1/1	0.96	0.15	42,42,42,42	0
56	MG	2A	3594	1/1	0.96	0.06	45,45,45,45	0
56	MG	2A	3595	1/1	0.96	0.23	56,56,56,56	0
56	MG	2A	3599	1/1	0.96	0.08	55,55,55,55	0
56	MG	2D	301	1/1	0.96	0.11	51,51,51,51	0
56	MG	1A	3897	1/1	0.96	0.33	44,44,44,44	0
56	MG	2A	3601	1/1	0.96	0.09	38,38,38,38	0
56	MG	1A	4211	1/1	0.96	0.18	61,61,61,61	0
56	MG	1A	3493	1/1	0.96	0.21	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	4216	1/1	0.96	0.07	28,28,28,28	0
57	CPT	2I	201	4/5	0.96	0.10	67,68,96,140	4
56	MG	1A	3755	1/1	0.96	0.08	26,26,26,26	0
56	MG	2A	3072	1/1	0.96	0.08	47,47,47,47	0
56	MG	1A	3594	1/1	0.97	0.20	40,40,40,40	0
56	MG	2A	3159	1/1	0.97	0.11	44,44,44,44	0
56	MG	1A	4042	1/1	0.97	0.05	51,51,51,51	0
56	MG	2A	3539	1/1	0.97	0.15	56,56,56,56	0
56	MG	1A	3176	1/1	0.97	0.06	42,42,42,42	0
56	MG	2A	3541	1/1	0.97	0.05	29,29,29,29	0
56	MG	2A	3542	1/1	0.97	0.05	49,49,49,49	0
56	MG	1A	4045	1/1	0.97	0.07	57,57,57,57	0
56	MG	1A	3656	1/1	0.97	0.20	53,53,53,53	0
56	MG	1A	3596	1/1	0.97	0.14	44,44,44,44	0
56	MG	2A	3547	1/1	0.97	0.05	28,28,28,28	0
56	MG	1x	106	1/1	0.97	0.09	50,50,50,50	0
56	MG	1A	4177	1/1	0.97	0.06	36,36,36,36	0
56	MG	1A	3287	1/1	0.97	0.07	51,51,51,51	0
56	MG	1a	1788	1/1	0.97	0.05	38,38,38,38	0
56	MG	1A	3023	1/1	0.97	0.10	46,46,46,46	0
56	MG	1A	3827	1/1	0.97	0.10	56,56,56,56	0
56	MG	1A	4052	1/1	0.97	0.06	67,67,67,67	0
56	MG	2A	3782	1/1	0.97	0.06	44,44,44,44	0
56	MG	2A	3556	1/1	0.97	0.12	59,59,59,59	0
56	MG	1A	3202	1/1	0.97	0.07	46,46,46,46	0
56	MG	1A	3203	1/1	0.97	0.10	38,38,38,38	0
56	MG	1A	4055	1/1	0.97	0.07	47,47,47,47	0
56	MG	1A	3081	1/1	0.97	0.15	44,44,44,44	0
56	MG	2A	3561	1/1	0.97	0.06	37,37,37,37	0
56	MG	2A	3793	1/1	0.97	0.10	56,56,56,56	0
56	MG	2A	3562	1/1	0.97	0.04	23,23,23,23	0
56	MG	1A	3261	1/1	0.97	0.07	56,56,56,56	0
56	MG	1A	3462	1/1	0.97	0.07	43,43,43,43	0
56	MG	2A	3565	1/1	0.97	0.07	53,53,53,53	0
56	MG	1A	3421	1/1	0.97	0.08	46,46,46,46	0
56	MG	2A	3799	1/1	0.97	0.08	58,58,58,58	0
56	MG	2A	3567	1/1	0.97	0.05	33,33,33,33	0
56	MG	1A	4061	1/1	0.97	0.05	72,72,72,72	0
56	MG	2A	3802	1/1	0.97	0.06	43,43,43,43	0
56	MG	2A	3570	1/1	0.97	0.06	41,41,41,41	0
56	MG	1A	3740	1/1	0.97	0.09	42,42,42,42	0
56	MG	2A	3805	1/1	0.97	0.11	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3806	1/1	0.97	0.15	55,55,55,55	0
56	MG	1H	201	1/1	0.97	0.08	46,46,46,46	0
56	MG	1A	3939	1/1	0.97	0.08	51,51,51,51	0
56	MG	1A	3836	1/1	0.97	0.07	42,42,42,42	0
56	MG	2A	3575	1/1	0.97	0.07	45,45,45,45	0
56	MG	2A	3811	1/1	0.97	0.05	34,34,34,34	0
56	MG	1A	3033	1/1	0.97	0.35	39,39,39,39	0
56	MG	2A	3577	1/1	0.97	0.08	35,35,35,35	0
56	MG	2A	3187	1/1	0.97	0.07	38,38,38,38	0
56	MG	1N	3003	1/1	0.97	0.10	53,53,53,53	0
56	MG	1A	3942	1/1	0.97	0.20	49,49,49,49	0
56	MG	1A	3020	1/1	0.97	0.06	38,38,38,38	0
56	MG	2A	3818	1/1	0.97	0.05	55,55,55,55	0
56	MG	1A	3608	1/1	0.97	0.09	37,37,37,37	0
56	MG	1A	3141	1/1	0.97	0.09	43,43,43,43	0
56	MG	2A	3821	1/1	0.97	0.06	76,76,76,76	0
56	MG	1A	3159	1/1	0.97	0.11	35,35,35,35	0
56	MG	1A	3747	1/1	0.97	0.09	32,32,32,32	0
56	MG	1A	3748	1/1	0.97	0.09	56,56,56,56	0
56	MG	1O	3004	1/1	0.97	0.09	54,54,54,54	0
56	MG	1A	3298	1/1	0.97	0.18	49,49,49,49	0
56	MG	1A	3612	1/1	0.97	0.14	41,41,41,41	0
56	MG	1A	3074	1/1	0.97	0.11	35,35,35,35	0
56	MG	1A	3752	1/1	0.97	0.06	34,34,34,34	0
56	MG	1A	4079	1/1	0.97	0.07	36,36,36,36	0
56	MG	1Q	202	1/1	0.97	0.09	35,35,35,35	0
56	MG	2A	3598	1/1	0.97	0.07	46,46,46,46	0
56	MG	1A	3127	1/1	0.97	0.22	46,46,46,46	0
56	MG	1A	3754	1/1	0.97	0.06	21,21,21,21	0
56	MG	2a	3097	1/1	0.97	0.17	48,48,48,48	0
56	MG	1A	4082	1/1	0.97	0.08	90,90,90,90	0
56	MG	2A	3024	1/1	0.97	0.06	42,42,42,42	0
56	MG	2A	3841	1/1	0.97	0.08	66,66,66,66	0
56	MG	1R	201	1/1	0.97	0.11	54,54,54,54	0
56	MG	1A	4218	1/1	0.97	0.09	36,36,36,36	0
56	MG	2A	3846	1/1	0.97	0.05	31,31,31,31	0
56	MG	1A	3211	1/1	0.97	0.14	48,48,48,48	0
56	MG	1A	3617	1/1	0.97	0.12	48,48,48,48	0
56	MG	1a	1686	1/1	0.97	0.15	42,42,42,42	0
56	MG	1A	3618	1/1	0.97	0.21	53,53,53,53	0
56	MG	2a	3108	1/1	0.97	0.10	57,57,57,57	0
56	MG	1A	3114	1/1	0.97	0.08	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3856	1/1	0.97	0.07	44,44,44,44	0
56	MG	2A	3857	1/1	0.97	0.05	56,56,56,56	0
56	MG	2A	3612	1/1	0.97	0.09	41,41,41,41	0
56	MG	2A	3860	1/1	0.97	0.05	70,70,70,70	0
56	MG	1A	3013	1/1	0.97	0.32	34,34,34,34	0
56	MG	1A	3165	1/1	0.97	0.08	51,51,51,51	0
56	MG	2A	3397	1/1	0.97	0.04	36,36,36,36	0
56	MG	1A	3766	1/1	0.97	0.11	26,26,26,26	0
56	MG	1a	1835	1/1	0.97	0.04	39,39,39,39	0
56	MG	1A	3087	1/1	0.97	0.24	38,38,38,38	0
56	MG	1A	4091	1/1	0.97	0.06	75,75,75,75	0
56	MG	2A	3869	1/1	0.97	0.06	54,54,54,54	0
56	MG	1V	201	1/1	0.97	0.11	41,41,41,41	0
56	MG	1A	4229	1/1	0.97	0.20	45,45,45,45	0
56	MG	1A	3863	1/1	0.97	0.11	59,59,59,59	0
56	MG	2A	3044	1/1	0.97	0.07	50,50,50,50	0
56	MG	2A	3625	1/1	0.97	0.14	53,53,53,53	0
56	MG	1a	1697	1/1	0.97	0.17	45,45,45,45	0
56	MG	2A	3876	1/1	0.97	0.16	62,62,62,62	0
56	MG	1A	3117	1/1	0.97	0.11	46,46,46,46	0
56	MG	1A	3217	1/1	0.97	0.12	59,59,59,59	0
56	MG	2A	3048	1/1	0.97	0.04	53,53,53,53	0
56	MG	2A	3630	1/1	0.97	0.07	35,35,35,35	0
56	MG	1W	3004	1/1	0.97	0.12	39,39,39,39	0
56	MG	1A	3436	1/1	0.97	0.19	47,47,47,47	0
56	MG	2a	3136	1/1	0.97	0.12	83,83,83,83	0
56	MG	2a	3137	1/1	0.97	0.04	87,87,87,87	0
56	MG	2a	3138	1/1	0.97	0.06	83,83,83,83	0
56	MG	2A	3884	1/1	0.97	0.19	32,32,32,32	0
56	MG	1A	3773	1/1	0.97	0.13	54,54,54,54	0
56	MG	1A	4235	1/1	0.97	0.28	37,37,37,37	0
56	MG	1X	103	1/1	0.97	0.05	34,34,34,34	0
56	MG	1a	1853	1/1	0.97	0.05	48,48,48,48	0
56	MG	2a	3144	1/1	0.97	0.06	88,88,88,88	0
56	MG	1X	104	1/1	0.97	0.10	48,48,48,48	0
56	MG	2A	3891	1/1	0.97	0.06	40,40,40,40	0
56	MG	2A	3056	1/1	0.97	0.18	46,46,46,46	0
56	MG	1A	3870	1/1	0.97	0.09	35,35,35,35	0
56	MG	1A	3014	1/1	0.97	0.06	32,32,32,32	0
56	MG	2A	3895	1/1	0.97	0.12	41,41,41,41	0
56	MG	1A	3872	1/1	0.97	0.08	55,55,55,55	0
56	MG	1A	4242	1/1	0.97	0.07	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	3775	1/1	0.97	0.10	30,30,30,30	0
56	MG	1A	3438	1/1	0.97	0.21	41,41,41,41	0
56	MG	1a	1712	1/1	0.97	0.05	37,37,37,37	0
56	MG	2a	3160	1/1	0.97	0.08	77,77,77,77	0
56	MG	1A	4106	1/1	0.97	0.05	28,28,28,28	0
56	MG	1A	3777	1/1	0.97	0.08	33,33,33,33	0
56	MG	1A	3628	1/1	0.97	0.16	49,49,49,49	0
56	MG	1A	3878	1/1	0.97	0.04	63,63,63,63	0
56	MG	1A	4250	1/1	0.97	0.08	38,38,38,38	0
56	MG	2a	3168	1/1	0.97	0.07	68,68,68,68	0
56	MG	1A	3134	1/1	0.97	0.06	45,45,45,45	0
56	MG	1A	4252	1/1	0.97	0.10	24,24,24,24	0
56	MG	1A	3880	1/1	0.97	0.12	32,32,32,32	0
56	MG	2A	3912	1/1	0.97	0.03	41,41,41,41	0
56	MG	1A	3440	1/1	0.97	0.20	38,38,38,38	0
56	MG	1a	1873	1/1	0.97	0.05	90,90,90,90	0
56	MG	1A	3194	1/1	0.97	0.09	49,49,49,49	0
56	MG	2a	3177	1/1	0.97	0.11	69,69,69,69	0
56	MG	1A	3525	1/1	0.97	0.26	47,47,47,47	0
56	MG	2A	3917	1/1	0.97	0.08	52,52,52,52	0
56	MG	1B	201	1/1	0.97	0.06	24,24,24,24	0
56	MG	1A	3884	1/1	0.97	0.10	63,63,63,63	0
56	MG	1A	3404	1/1	0.97	0.10	69,69,69,69	0
56	MG	1a	1727	1/1	0.97	0.06	38,38,38,38	0
56	MG	1A	3046	1/1	0.97	0.12	33,33,33,33	0
56	MG	2A	3444	1/1	0.97	0.17	32,32,32,32	0
56	MG	1a	1881	1/1	0.97	0.06	73,73,73,73	0
56	MG	2A	3083	1/1	0.97	0.13	44,44,44,44	0
56	MG	1A	3696	1/1	0.97	0.09	49,49,49,49	0
56	MG	1A	3786	1/1	0.97	0.09	48,48,48,48	0
56	MG	2A	3669	1/1	0.97	0.06	37,37,37,37	0
56	MG	1A	3698	1/1	0.97	0.07	48,48,48,48	0
56	MG	1A	3891	1/1	0.97	0.04	43,43,43,43	0
56	MG	1A	3528	1/1	0.97	0.19	35,35,35,35	0
56	MG	2A	3673	1/1	0.97	0.11	33,33,33,33	0
56	MG	1a	1890	1/1	0.97	0.05	37,37,37,37	0
56	MG	17	102	1/1	0.97	0.12	62,62,62,62	0
56	MG	2a	3198	1/1	0.97	0.06	68,68,68,68	0
56	MG	1a	1735	1/1	0.97	0.05	47,47,47,47	0
56	MG	1a	1894	1/1	0.97	0.06	71,71,71,71	0
56	MG	2A	3678	1/1	0.97	0.12	29,29,29,29	0
56	MG	1A	3789	1/1	0.97	0.12	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	3094	1/1	0.97	0.06	45,45,45,45	0
56	MG	1B	212	1/1	0.97	0.06	42,42,42,42	0
56	MG	1A	3529	1/1	0.97	0.20	45,45,45,45	0
56	MG	1B	214	1/1	0.97	0.10	46,46,46,46	0
56	MG	1a	1902	1/1	0.97	0.06	77,77,77,77	0
56	MG	2A	3099	1/1	0.97	0.06	44,44,44,44	0
56	MG	1a	1905	1/1	0.97	0.05	56,56,56,56	0
56	MG	2E	302	1/1	0.97	0.11	48,48,48,48	0
56	MG	19	101	1/1	0.97	0.13	49,49,49,49	0
56	MG	1A	3638	1/1	0.97	0.05	54,54,54,54	0
56	MG	2E	305	1/1	0.97	0.08	53,53,53,53	0
56	MG	1A	3578	1/1	0.97	0.11	61,61,61,61	0
56	MG	2A	3690	1/1	0.97	0.04	43,43,43,43	0
56	MG	1A	3704	1/1	0.97	0.06	38,38,38,38	0
56	MG	2F	301	1/1	0.97	0.06	44,44,44,44	0
56	MG	1a	1913	1/1	0.97	0.05	80,80,80,80	0
56	MG	1a	1914	1/1	0.97	0.04	84,84,84,84	0
56	MG	1A	3136	1/1	0.97	0.08	48,48,48,48	0
56	MG	1A	3796	1/1	0.97	0.06	32,32,32,32	0
56	MG	1A	3374	1/1	0.97	0.10	53,53,53,53	0
56	MG	1A	3581	1/1	0.97	0.04	39,39,39,39	0
56	MG	1A	3173	1/1	0.97	0.14	50,50,50,50	0
56	MG	1A	3711	1/1	0.97	0.06	51,51,51,51	0
56	MG	2Q	3002	1/1	0.97	0.14	47,47,47,47	0
56	MG	1A	3534	1/1	0.97	0.14	19,19,19,19	0
56	MG	1A	3152	1/1	0.97	0.07	51,51,51,51	0
56	MG	2A	3702	1/1	0.97	0.09	45,45,45,45	0
56	MG	1A	3714	1/1	0.97	0.05	32,32,32,32	0
56	MG	1A	3536	1/1	0.97	0.28	56,56,56,56	0
56	MG	2a	3232	1/1	0.97	0.08	43,43,43,43	0
56	MG	1A	4148	1/1	0.97	0.06	43,43,43,43	0
56	MG	1a	1927	1/1	0.97	0.06	71,71,71,71	0
56	MG	1A	3537	1/1	0.97	0.15	33,33,33,33	0
56	MG	1A	3377	1/1	0.97	0.27	50,50,50,50	0
56	MG	1A	3718	1/1	0.97	0.09	35,35,35,35	0
56	MG	1b	3001	1/1	0.97	0.04	62,62,62,62	0
56	MG	2A	3486	1/1	0.97	0.15	46,46,46,46	0
56	MG	2A	3487	1/1	0.97	0.09	45,45,45,45	0
56	MG	2A	3124	1/1	0.97	0.11	47,47,47,47	0
56	MG	2A	3125	1/1	0.97	0.14	50,50,50,50	0
56	MG	2X	102	1/1	0.97	0.05	66,66,66,66	0
56	MG	2A	3305	1/1	0.97	0.31	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	3306	1/1	0.97	0.08	44,44,44,44	0
56	MG	2A	3307	1/1	0.97	0.06	48,48,48,48	0
56	MG	2n	101	1/1	0.97	0.07	70,70,70,70	0
56	MG	1A	3719	1/1	0.97	0.07	53,53,53,53	0
56	MG	1a	1619	1/1	0.97	0.10	55,55,55,55	0
56	MG	1A	3810	1/1	0.97	0.16	43,43,43,43	0
56	MG	1d	502	1/1	0.97	0.31	55,55,55,55	0
56	MG	1A	4019	1/1	0.97	0.08	47,47,47,47	0
56	MG	1B	236	1/1	0.97	0.04	33,33,33,33	0
56	MG	1f	3001	1/1	0.97	0.06	44,44,44,44	0
56	MG	1A	4020	1/1	0.97	0.05	65,65,65,65	0
56	MG	2A	3316	1/1	0.97	0.28	52,52,52,52	0
56	MG	2A	3733	1/1	0.97	0.05	38,38,38,38	0
56	MG	2A	3134	1/1	0.97	0.06	39,39,39,39	0
56	MG	1l	201	1/1	0.97	0.27	49,49,49,49	0
56	MG	1A	3450	1/1	0.97	0.10	51,51,51,51	0
56	MG	2A	3507	1/1	0.97	0.08	49,49,49,49	0
56	MG	2A	3508	1/1	0.97	0.04	35,35,35,35	0
56	MG	1A	3284	1/1	0.97	0.16	40,40,40,40	0
56	MG	2A	3139	1/1	0.97	0.14	45,45,45,45	0
56	MG	2A	3741	1/1	0.97	0.07	57,57,57,57	0
56	MG	2A	3140	1/1	0.97	0.07	45,45,45,45	0
56	MG	2A	3323	1/1	0.97	0.11	48,48,48,48	0
56	MG	2x	101	1/1	0.97	0.16	48,48,48,48	0
56	MG	2A	3141	1/1	0.97	0.14	35,35,35,35	0
56	MG	1a	1766	1/1	0.97	0.31	62,62,62,62	0
56	MG	2A	3517	1/1	0.97	0.03	28,28,28,28	0
56	MG	1A	4028	1/1	0.97	0.06	46,46,46,46	0
56	MG	1A	4029	1/1	0.97	0.09	59,59,59,59	0
56	MG	1A	4161	1/1	0.97	0.04	23,23,23,23	0
56	MG	2A	3750	1/1	0.97	0.23	44,44,44,44	0
56	MG	1A	4032	1/1	0.97	0.07	57,57,57,57	0
56	MG	1A	3175	1/1	0.97	0.22	43,43,43,43	0
56	MG	2A	3148	1/1	0.97	0.12	45,45,45,45	0
56	MG	1A	4164	1/1	0.97	0.13	55,55,55,55	0
56	MG	1A	4165	1/1	0.97	0.06	45,45,45,45	0
57	CPT	1A	4209	4/5	0.97	0.14	75,78,104,121	4
56	MG	1A	3724	1/1	0.97	0.07	31,31,31,31	0
56	MG	1a	1775	1/1	0.97	0.17	60,60,60,60	0
56	MG	1w	105	1/1	0.97	0.10	58,58,58,58	0
56	MG	1A	3542	1/1	0.97	0.06	50,50,50,50	0
56	MG	1E	305	1/1	0.97	0.16	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	1A	3453	1/1	0.97	0.16	42,42,42,42	0
56	MG	1A	3924	1/1	0.97	0.08	45,45,45,45	0
59	ZN	14	501	1/1	0.97	0.05	104,104,104,104	0
59	ZN	2Y	501	1/1	0.97	0.05	101,101,101,101	0
59	ZN	24	501	1/1	0.97	0.09	114,114,114,114	0
59	ZN	29	501	1/1	0.97	0.06	79,79,79,79	0
59	ZN	2n	102	1/1	0.97	0.07	85,85,85,85	0
56	MG	2A	3851	1/1	0.98	0.04	51,51,51,51	0
56	MG	2A	3852	1/1	0.98	0.04	72,72,72,72	0
56	MG	2A	3709	1/1	0.98	0.07	59,59,59,59	0
56	MG	1A	4049	1/1	0.98	0.04	63,63,63,63	0
56	MG	1A	3972	1/1	0.98	0.07	34,34,34,34	0
56	MG	1A	4130	1/1	0.98	0.06	49,49,49,49	0
56	MG	2a	3151	1/1	0.98	0.06	74,74,74,74	0
56	MG	1A	3186	1/1	0.98	0.07	50,50,50,50	0
56	MG	2a	3153	1/1	0.98	0.13	43,43,43,43	0
56	MG	1A	3003	1/1	0.98	0.08	30,30,30,30	0
56	MG	2A	3715	1/1	0.98	0.06	57,57,57,57	0
56	MG	1A	3697	1/1	0.98	0.12	34,34,34,34	0
56	MG	1A	3036	1/1	0.98	0.13	43,43,43,43	0
56	MG	2A	3009	1/1	0.98	0.04	33,33,33,33	0
56	MG	2A	3588	1/1	0.98	0.10	36,36,36,36	0
56	MG	1A	3037	1/1	0.98	0.12	21,21,21,21	0
56	MG	1A	3700	1/1	0.98	0.05	55,55,55,55	0
56	MG	1E	311	1/1	0.98	0.04	34,34,34,34	0
56	MG	2A	3724	1/1	0.98	0.04	48,48,48,48	0
56	MG	1A	3057	1/1	0.98	0.09	38,38,38,38	0
56	MG	2a	3167	1/1	0.98	0.04	75,75,75,75	0
56	MG	17	101	1/1	0.98	0.08	38,38,38,38	0
56	MG	1A	3086	1/1	0.98	0.17	56,56,56,56	0
56	MG	1A	3070	1/1	0.98	0.17	25,25,25,25	0
56	MG	2A	3242	1/1	0.98	0.07	46,46,46,46	0
56	MG	1a	1885	1/1	0.98	0.07	78,78,78,78	0
56	MG	17	104	1/1	0.98	0.07	41,41,41,41	0
56	MG	2A	3877	1/1	0.98	0.04	71,71,71,71	0
56	MG	1a	1888	1/1	0.98	0.05	58,58,58,58	0
56	MG	2A	3021	1/1	0.98	0.08	34,34,34,34	0
56	MG	2a	3028	1/1	0.98	0.07	47,47,47,47	0
56	MG	1A	4060	1/1	0.98	0.05	52,52,52,52	0
56	MG	2A	3605	1/1	0.98	0.09	44,44,44,44	0
56	MG	1A	3168	1/1	0.98	0.07	36,36,36,36	0
56	MG	1A	3071	1/1	0.98	0.14	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	3125	1/1	0.98	0.38	47,47,47,47	0
56	MG	1A	3806	1/1	0.98	0.07	33,33,33,33	0
56	MG	2A	3138	1/1	0.98	0.23	40,40,40,40	0
56	MG	1A	3522	1/1	0.98	0.27	51,51,51,51	0
56	MG	1A	3989	1/1	0.98	0.05	49,49,49,49	0
56	MG	2A	3889	1/1	0.98	0.04	25,25,25,25	0
56	MG	1A	4236	1/1	0.98	0.07	37,37,37,37	0
56	MG	2a	3190	1/1	0.98	0.17	46,46,46,46	0
56	MG	1A	4237	1/1	0.98	0.33	48,48,48,48	0
56	MG	2a	3041	1/1	0.98	0.29	43,43,43,43	0
56	MG	1A	4067	1/1	0.98	0.06	53,53,53,53	0
56	MG	1a	1904	1/1	0.98	0.04	56,56,56,56	0
56	MG	1A	3866	1/1	0.98	0.04	33,33,33,33	0
56	MG	1A	4152	1/1	0.98	0.04	24,24,24,24	0
56	MG	2A	3036	1/1	0.98	0.05	50,50,50,50	0
56	MG	2A	3037	1/1	0.98	0.07	33,33,33,33	0
56	MG	1A	4241	1/1	0.98	0.08	23,23,23,23	0
56	MG	1A	3126	1/1	0.98	0.12	40,40,40,40	0
56	MG	1a	1911	1/1	0.98	0.04	57,57,57,57	0
56	MG	1A	3868	1/1	0.98	0.04	38,38,38,38	0
56	MG	1A	3667	1/1	0.98	0.15	44,44,44,44	0
56	MG	2A	3905	1/1	0.98	0.07	33,33,33,33	0
56	MG	1A	4245	1/1	0.98	0.08	46,46,46,46	0
56	MG	1a	1613	1/1	0.98	0.06	18,18,18,18	0
56	MG	1A	3072	1/1	0.98	0.11	15,15,15,15	0
56	MG	1A	3630	1/1	0.98	0.22	39,39,39,39	0
56	MG	1A	3593	1/1	0.98	0.10	50,50,50,50	0
56	MG	2A	3503	1/1	0.98	0.06	45,45,45,45	0
56	MG	1A	3873	1/1	0.98	0.06	57,57,57,57	0
56	MG	1A	3047	1/1	0.98	0.05	30,30,30,30	0
56	MG	1A	3461	1/1	0.98	0.17	45,45,45,45	0
56	MG	1A	3038	1/1	0.98	0.18	46,46,46,46	0
56	MG	1A	3674	1/1	0.98	0.04	33,33,33,33	0
56	MG	2A	3164	1/1	0.98	0.19	43,43,43,43	0
56	MG	1A	3769	1/1	0.98	0.06	27,27,27,27	0
56	MG	1A	3597	1/1	0.98	0.30	49,49,49,49	0
56	MG	1A	3771	1/1	0.98	0.03	25,25,25,25	0
56	MG	2A	3772	1/1	0.98	0.15	59,59,59,59	0
56	MG	1A	3075	1/1	0.98	0.03	32,32,32,32	0
56	MG	1A	3721	1/1	0.98	0.05	37,37,37,37	0
56	MG	2A	3516	1/1	0.98	0.04	57,57,57,57	0
56	MG	1A	3131	1/1	0.98	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	3093	1/1	0.98	0.15	26,26,26,26	0
56	MG	1A	3885	1/1	0.98	0.09	36,36,36,36	0
56	MG	1A	3531	1/1	0.98	0.16	34,34,34,34	0
56	MG	2A	3650	1/1	0.98	0.04	50,50,50,50	0
56	MG	1A	3154	1/1	0.98	0.12	49,49,49,49	0
56	MG	2A	3523	1/1	0.98	0.04	31,31,31,31	0
56	MG	1A	3726	1/1	0.98	0.12	30,30,30,30	0
56	MG	1A	4016	1/1	0.98	0.06	58,58,58,58	0
56	MG	1a	1634	1/1	0.98	0.08	14,14,14,14	0
56	MG	1A	3008	1/1	0.98	0.11	26,26,26,26	0
56	MG	2A	3789	1/1	0.98	0.08	50,50,50,50	0
56	MG	1R	203	1/1	0.98	0.05	36,36,36,36	0
56	MG	2A	3791	1/1	0.98	0.06	46,46,46,46	0
56	MG	1A	3832	1/1	0.98	0.04	48,48,48,48	0
56	MG	2f	3001	1/1	0.98	0.13	41,41,41,41	0
56	MG	1A	3229	1/1	0.98	0.05	47,47,47,47	0
56	MG	1A	3230	1/1	0.98	0.05	39,39,39,39	0
56	MG	1A	3015	1/1	0.98	0.05	30,30,30,30	0
56	MG	1a	1829	1/1	0.98	0.05	27,27,27,27	0
56	MG	1A	4022	1/1	0.98	0.07	60,60,60,60	0
56	MG	1a	1831	1/1	0.98	0.06	29,29,29,29	0
56	MG	1A	4023	1/1	0.98	0.05	19,19,19,19	0
56	MG	1A	4184	1/1	0.98	0.10	33,33,33,33	0
56	MG	1A	4101	1/1	0.98	0.05	61,61,61,61	0
56	MG	1U	205	1/1	0.98	0.05	42,42,42,42	0
56	MG	1A	4102	1/1	0.98	0.05	32,32,32,32	0
56	MG	1A	4103	1/1	0.98	0.07	26,26,26,26	0
56	MG	1A	4189	1/1	0.98	0.08	33,33,33,33	0
56	MG	2A	3082	1/1	0.98	0.11	49,49,49,49	0
56	MG	1A	3895	1/1	0.98	0.04	48,48,48,48	0
56	MG	2A	3546	1/1	0.98	0.04	34,34,34,34	0
56	MG	1A	4027	1/1	0.98	0.03	41,41,41,41	0
56	MG	1A	3028	1/1	0.98	0.28	28,28,28,28	0
56	MG	1w	109	1/1	0.98	0.04	61,61,61,61	0
56	MG	1A	4108	1/1	0.98	0.05	44,44,44,44	0
56	MG	1A	3042	1/1	0.98	0.04	33,33,33,33	0
56	MG	1A	3262	1/1	0.98	0.11	58,58,58,58	0
56	MG	1X	101	1/1	0.98	0.11	38,38,38,38	0
56	MG	2A	3554	1/1	0.98	0.09	33,33,33,33	0
56	MG	2A	3432	1/1	0.98	0.11	38,38,38,38	0
56	MG	1A	3839	1/1	0.98	0.04	50,50,50,50	0
56	MG	1a	1849	1/1	0.98	0.06	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	3410	1/1	0.98	0.13	40,40,40,40	0
56	MG	1A	4036	1/1	0.98	0.06	71,71,71,71	0
56	MG	1A	3902	1/1	0.98	0.04	59,59,59,59	0
56	MG	1A	3350	1/1	0.98	0.42	39,39,39,39	0
56	MG	1A	3080	1/1	0.98	0.13	44,44,44,44	0
56	MG	2U	206	1/1	0.98	0.08	49,49,49,49	0
56	MG	1A	3905	1/1	0.98	0.05	27,27,27,27	0
56	MG	1D	301	1/1	0.98	0.10	46,46,46,46	0
56	MG	2A	3828	1/1	0.98	0.05	64,64,64,64	0
56	MG	1A	3843	1/1	0.98	0.05	50,50,50,50	0
56	MG	1A	4120	1/1	0.98	0.06	76,76,76,76	0
56	MG	1a	1860	1/1	0.98	0.05	52,52,52,52	0
56	MG	2A	3568	1/1	0.98	0.05	31,31,31,31	0
56	MG	2A	3833	1/1	0.98	0.12	34,34,34,34	0
56	MG	2A	3834	1/1	0.98	0.07	65,65,65,65	0
56	MG	1A	3613	1/1	0.98	0.11	55,55,55,55	0
56	MG	1A	3235	1/1	0.98	0.14	52,52,52,52	0
56	MG	1a	1863	1/1	0.98	0.04	76,76,76,76	0
56	MG	1A	3294	1/1	0.98	0.23	32,32,32,32	0
57	CPT	2A	3903	4/5	0.98	0.08	70,73,87,100	4
56	MG	1a	1669	1/1	0.98	0.17	47,47,47,47	0
56	MG	1D	308	1/1	0.98	0.15	56,56,56,56	0
57	CPT	2a	3235	4/5	0.98	0.09	85,87,90,125	0
56	MG	1A	3792	1/1	0.98	0.07	30,30,30,30	0
56	MG	1A	4212	1/1	0.98	0.06	32,32,32,32	0
56	MG	2A	3111	1/1	0.98	0.14	34,34,34,34	0
56	MG	2A	3845	1/1	0.98	0.10	53,53,53,53	0
56	MG	1A	4213	1/1	0.98	0.05	52,52,52,52	0
56	MG	1A	3009	1/1	0.98	0.06	33,33,33,33	0
56	MG	2A	3708	1/1	0.98	0.06	55,55,55,55	0
60	SF4	2d	501	8/8	0.98	0.04	58,66,75,87	0
56	MG	2A	3513	1/1	0.99	0.06	28,28,28,28	0
56	MG	1A	3064	1/1	0.99	0.14	37,37,37,37	0
56	MG	2P	202	1/1	0.99	0.04	41,41,41,41	0
56	MG	1a	1886	1/1	0.99	0.07	54,54,54,54	0
56	MG	1a	1837	1/1	0.99	0.04	32,32,32,32	0
56	MG	2A	3728	1/1	0.99	0.04	32,32,32,32	0
56	MG	1a	1838	1/1	0.99	0.04	39,39,39,39	0
56	MG	2A	3518	1/1	0.99	0.06	32,32,32,32	0
56	MG	1A	4097	1/1	0.99	0.03	23,23,23,23	0
56	MG	1A	4131	1/1	0.99	0.03	24,24,24,24	0
56	MG	1A	4132	1/1	0.99	0.04	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	2A	3027	1/1	0.99	0.03	27,27,27,27	0
56	MG	2A	3590	1/1	0.99	0.04	30,30,30,30	0
56	MG	1A	3758	1/1	0.99	0.04	36,36,36,36	0
56	MG	1a	1893	1/1	0.99	0.02	36,36,36,36	0
56	MG	1A	3852	1/1	0.99	0.11	48,48,48,48	0
56	MG	1a	1895	1/1	0.99	0.03	58,58,58,58	0
56	MG	1a	1896	1/1	0.99	0.05	77,77,77,77	0
56	MG	2A	3597	1/1	0.99	0.02	28,28,28,28	0
56	MG	1A	3249	1/1	0.99	0.07	44,44,44,44	0
56	MG	2a	3147	1/1	0.99	0.03	78,78,78,78	0
56	MG	1A	3760	1/1	0.99	0.06	29,29,29,29	0
56	MG	1A	4173	1/1	0.99	0.05	41,41,41,41	0
56	MG	2A	3531	1/1	0.99	0.05	21,21,21,21	0
56	MG	1A	4214	1/1	0.99	0.10	47,47,47,47	0
56	MG	1a	1901	1/1	0.99	0.07	70,70,70,70	0
56	MG	2A	3822	1/1	0.99	0.03	78,78,78,78	0
56	MG	1A	3818	1/1	0.99	0.04	51,51,51,51	0
56	MG	1a	1903	1/1	0.99	0.06	49,49,49,49	0
56	MG	1D	306	1/1	0.99	0.06	35,35,35,35	0
56	MG	10	101	1/1	0.99	0.04	51,51,51,51	0
56	MG	1A	3970	1/1	0.99	0.03	43,43,43,43	0
56	MG	1a	1852	1/1	0.99	0.09	66,66,66,66	0
56	MG	2a	3161	1/1	0.99	0.05	70,70,70,70	0
56	MG	1a	1908	1/1	0.99	0.12	56,56,56,56	0
56	MG	2A	3611	1/1	0.99	0.05	60,60,60,60	0
56	MG	1A	3994	1/1	0.99	0.07	44,44,44,44	0
56	MG	1a	1910	1/1	0.99	0.04	61,61,61,61	0
56	MG	1A	3709	1/1	0.99	0.04	33,33,33,33	0
56	MG	1B	203	1/1	0.99	0.13	45,45,45,45	0
56	MG	1A	4077	1/1	0.99	0.07	26,26,26,26	0
56	MG	1A	4107	1/1	0.99	0.03	36,36,36,36	0
56	MG	1E	301	1/1	0.99	0.09	14,14,14,14	0
56	MG	2A	3619	1/1	0.99	0.05	44,44,44,44	0
56	MG	2a	3172	1/1	0.99	0.04	62,62,62,62	0
56	MG	1A	3951	1/1	0.99	0.10	43,43,43,43	0
56	MG	1A	3762	1/1	0.99	0.06	29,29,29,29	0
56	MG	1A	4110	1/1	0.99	0.04	36,36,36,36	0
56	MG	1A	3894	1/1	0.99	0.08	34,34,34,34	0
56	MG	1A	3742	1/1	0.99	0.06	43,43,43,43	0
56	MG	2A	3844	1/1	0.99	0.11	60,60,60,60	0
56	MG	2A	3299	1/1	0.99	0.06	58,58,58,58	0
56	MG	1A	4000	1/1	0.99	0.07	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4025	1/1	0.99	0.03	53,53,53,53	0
56	MG	2A	3849	1/1	0.99	0.04	60,60,60,60	0
56	MG	1A	4228	1/1	0.99	0.07	42,42,42,42	0
56	MG	2A	3180	1/1	0.99	0.03	22,22,22,22	0
56	MG	2A	3428	1/1	0.99	0.05	46,46,46,46	0
56	MG	1A	4187	1/1	0.99	0.05	28,28,28,28	0
56	MG	1a	1925	1/1	0.99	0.07	52,52,52,52	0
56	MG	1A	4026	1/1	0.99	0.03	30,30,30,30	0
56	MG	1A	3764	1/1	0.99	0.05	40,40,40,40	0
56	MG	1A	3765	1/1	0.99	0.07	28,28,28,28	0
56	MG	1A	3161	1/1	0.99	0.03	46,46,46,46	0
56	MG	2A	3859	1/1	0.99	0.12	41,41,41,41	0
56	MG	1A	4031	1/1	0.99	0.03	34,34,34,34	0
56	MG	1U	202	1/1	0.99	0.16	35,35,35,35	0
56	MG	1A	3178	1/1	0.99	0.08	18,18,18,18	0
56	MG	2D	302	1/1	0.99	0.05	27,27,27,27	0
56	MG	2A	3501	1/1	0.99	0.05	72,72,72,72	0
56	MG	1A	3844	1/1	0.99	0.05	40,40,40,40	0
56	MG	2A	3786	1/1	0.99	0.07	42,42,42,42	0
56	MG	2a	3114	1/1	0.99	0.06	69,69,69,69	0
56	MG	2A	3787	1/1	0.99	0.03	51,51,51,51	0
56	MG	2A	3867	1/1	0.99	0.03	33,33,33,33	0
56	MG	1A	4122	1/1	0.99	0.03	48,48,48,48	0
56	MG	1A	3280	1/1	0.99	0.09	29,29,29,29	0
56	MG	1A	3441	1/1	0.99	0.12	48,48,48,48	0
56	MG	1B	225	1/1	0.99	0.04	42,42,42,42	0
59	ZN	1Y	501	1/1	0.99	0.03	79,79,79,79	0
56	MG	1A	3706	1/1	0.99	0.05	23,23,23,23	0
59	ZN	15	103	1/1	0.99	0.03	46,46,46,46	0
59	ZN	1n	501	1/1	0.99	0.06	59,59,59,59	0
56	MG	1A	3813	1/1	0.99	0.07	34,34,34,34	0
56	MG	2A	3016	1/1	0.99	0.04	52,52,52,52	0
59	ZN	25	102	1/1	0.99	0.04	61,61,61,61	0
59	ZN	26	501	1/1	0.99	0.03	59,59,59,59	0
56	MG	1A	4200	1/1	0.99	0.04	55,55,55,55	0
56	MG	1A	4127	1/1	0.99	0.03	38,38,38,38	0
60	SF4	1d	501	8/8	0.99	0.06	55,59,67,69	0
56	MG	1A	4039	1/1	0.99	0.07	51,51,51,51	0
56	MG	2a	3154	1/1	1.00	0.03	48,48,48,48	0
56	MG	1A	4033	1/1	1.00	0.03	49,49,49,49	0
56	MG	1A	3973	1/1	1.00	0.08	41,41,41,41	0
56	MG	1A	4134	1/1	1.00	0.03	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4044	1/1	1.00	0.10	50,50,50,50	0
56	MG	1A	3845	1/1	1.00	0.09	25,25,25,25	0
59	ZN	16	101	1/1	1.00	0.04	47,47,47,47	0
59	ZN	19	102	1/1	1.00	0.03	27,27,27,27	0
56	MG	1A	3823	1/1	1.00	0.09	28,28,28,28	0
56	MG	2A	3716	1/1	1.00	0.02	29,29,29,29	0
56	MG	2A	3847	1/1	1.00	0.03	30,30,30,30	0
56	MG	2A	3596	1/1	1.00	0.04	29,29,29,29	0
56	MG	1A	3822	1/1	1.00	0.08	34,34,34,34	0
56	MG	1A	4001	1/1	1.00	0.04	32,32,32,32	0
56	MG	1A	4030	1/1	1.00	0.02	29,29,29,29	0
56	MG	1A	3977	1/1	1.00	0.04	45,45,45,45	0
56	MG	1A	3896	1/1	1.00	0.06	38,38,38,38	0

6.5 Other polymers [i](#)

There are no such residues in this entry.