



wwPDB X-ray Structure Validation Summary Report ⓘ

Aug 5, 2026 – 11:23 PM EDT

PDB ID : 7RQ9 / pdb_00007rq9
Title : Crystal structure of the A2058-dimethylated *Thermus thermophilus* 70S ribosome in complex with iboxamycin, mRNA, deacylated A- and E-site tRNAs, and aminoacylated P-site tRNA at 2.60Å resolution
Authors : Mitcheltree, M.J.; Pisipati, A.; Syroegin, E.A.; Silvestre, K.J.; Klepacki, D.; Mason, J.D.; Terwilliger, D.W.; Testolin, G.; Pote, A.R.; Wu, K.J.Y.; Ladley, R.P.; Chatman, K.; Mankin, A.S.; Polikanov, Y.S.; Myers, A.G.
Deposited on : 2021-08-06
Resolution : 2.60 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

<https://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
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.015 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)

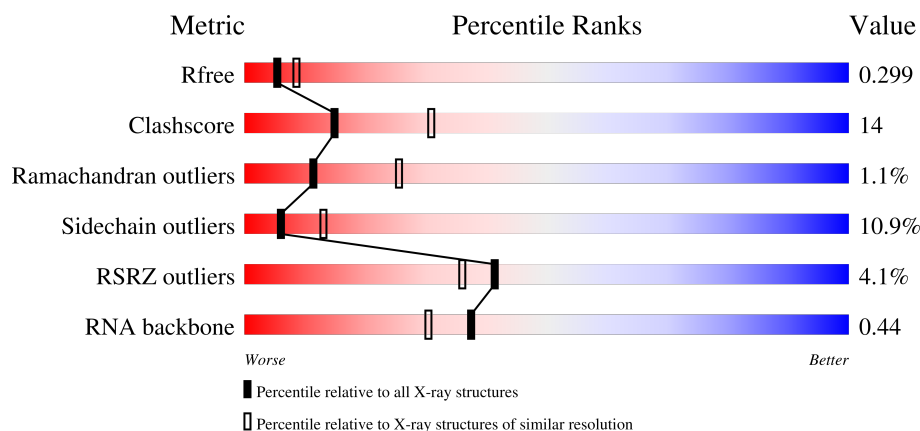
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.60 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	4008 (2.60-2.60)
Clashscore	190562	4347 (2.60-2.60)
Ramachandran outliers	187476	4277 (2.60-2.60)
Sidechain outliers	187428	4277 (2.60-2.60)
RSRZ outliers	180081	4008 (2.60-2.60)
RNA backbone	3983	1014 (2.84-2.36)

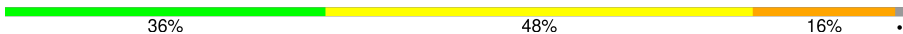
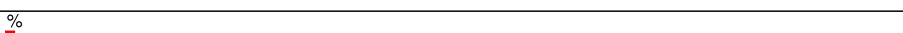
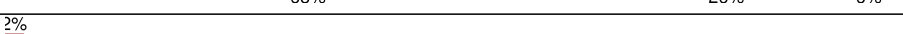
The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. 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% 48% 41% 9% .
1	2A	2915	2% 42% 43% 11% .

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Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.50

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Mol	Chain	Length	Quality of chain
2	1B	121	
2	2B	121	
3	1D	276	
3	2D	276	
4	1E	206	
4	2E	206	
5	1F	210	
5	2F	210	
6	1G	182	
6	2G	182	
7	1H	180	
7	2H	180	
8	1I	148	
8	2I	148	
9	1N	140	
9	2N	140	
10	1O	122	
10	2O	122	
11	1P	150	
11	2P	150	
12	1Q	141	
12	2Q	141	
13	1R	118	
13	2R	118	
14	1S	112	

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Mol	Chain	Length	Quality of chain
14	2S	112	
15	1T	146	
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	

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Mol	Chain	Length	Quality of chain
27	15	60	
27	25	60	
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	

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Mol	Chain	Length	Quality of chain
39	2h	138	
40	1i	128	
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	

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Mol	Chain	Length	Quality of chain
52	1u	27	
52	2u	27	
53	1v	24	
53	2v	24	
54	1w	76	
54	2w	76	
55	1x	77	
55	2x	77	
56	1y	76	
56	2y	76	

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
61	SF4	1d	501	-	-	X	-
61	SF4	2d	302	-	-	X	-

2 Entry composition

There are 62 unique types of molecules in this entry. The entry contains 299665 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
			61854	27533	11572	19878	2871			
1	2A	2800	Total	C	N	O	P	0	0	0
			60324	26850	11284	19390	2800			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Molecule 53 is a RNA chain called mRNA.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	1w	72	Total	C	N	O	P	S	0	0
			1550	694	277	505	72	2		
54	2w	70	Total	C	N	O	P	S	0	0
			1502	671	270	489	70	2		

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

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

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

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

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1A	1087	Total	Mg	0	0
			1087	1087		
57	1B	34	Total	Mg	0	0
			34	34		
57	1D	12	Total	Mg	0	0
			12	12		
57	1E	14	Total	Mg	0	0
			14	14		
57	1F	15	Total	Mg	0	0
			15	15		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1G	5	Total 5	Mg 5	0	0
57	1I	1	Total 1	Mg 1	0	0
57	1N	6	Total 6	Mg 6	0	0
57	1O	4	Total 4	Mg 4	0	0
57	1P	5	Total 5	Mg 5	0	0
57	1Q	6	Total 6	Mg 6	0	0
57	1R	6	Total 6	Mg 6	0	0
57	1S	3	Total 3	Mg 3	0	0
57	1T	5	Total 5	Mg 5	0	0
57	1U	9	Total 9	Mg 9	0	0
57	1V	6	Total 6	Mg 6	0	0
57	1W	10	Total 10	Mg 10	0	0
57	1X	7	Total 7	Mg 7	0	0
57	1Y	3	Total 3	Mg 3	0	0
57	1Z	5	Total 5	Mg 5	0	0
57	10	9	Total 9	Mg 9	0	0
57	11	6	Total 6	Mg 6	0	0
57	12	2	Total 2	Mg 2	0	0
57	13	8	Total 8	Mg 8	0	0
57	14	1	Total 1	Mg 1	0	0
57	15	9	Total 9	Mg 9	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	16	1	Total 1	Mg 1	0	0
57	17	8	Total 8	Mg 8	0	0
57	18	5	Total 5	Mg 5	0	0
57	19	1	Total 1	Mg 1	0	0
57	1a	211	Total 211	Mg 211	0	0
57	1b	1	Total 1	Mg 1	0	0
57	1e	1	Total 1	Mg 1	0	0
57	1f	2	Total 2	Mg 2	0	0
57	1h	1	Total 1	Mg 1	0	0
57	1k	1	Total 1	Mg 1	0	0
57	1l	2	Total 2	Mg 2	0	0
57	1m	1	Total 1	Mg 1	0	0
57	1n	2	Total 2	Mg 2	0	0
57	1p	1	Total 1	Mg 1	0	0
57	1t	1	Total 1	Mg 1	0	0
57	1v	2	Total 2	Mg 2	0	0
57	1w	9	Total 9	Mg 9	0	0
57	1x	15	Total 15	Mg 15	0	0
57	1y	1	Total 1	Mg 1	0	0
57	2A	855	Total 855	Mg 855	0	0
57	2B	19	Total 19	Mg 19	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	2D	5	Total 5	Mg 5	0	0
57	2E	8	Total 8	Mg 8	0	0
57	2F	8	Total 8	Mg 8	0	0
57	2G	1	Total 1	Mg 1	0	0
57	2N	1	Total 1	Mg 1	0	0
57	2O	1	Total 1	Mg 1	0	0
57	2P	3	Total 3	Mg 3	0	0
57	2Q	2	Total 2	Mg 2	0	0
57	2R	2	Total 2	Mg 2	0	0
57	2T	5	Total 5	Mg 5	0	0
57	2U	2	Total 2	Mg 2	0	0
57	2V	2	Total 2	Mg 2	0	0
57	2X	3	Total 3	Mg 3	0	0
57	2Z	1	Total 1	Mg 1	0	0
57	20	2	Total 2	Mg 2	0	0
57	21	2	Total 2	Mg 2	0	0
57	23	2	Total 2	Mg 2	0	0
57	25	4	Total 4	Mg 4	0	0
57	26	1	Total 1	Mg 1	0	0
57	27	2	Total 2	Mg 2	0	0
57	28	3	Total 3	Mg 3	0	0

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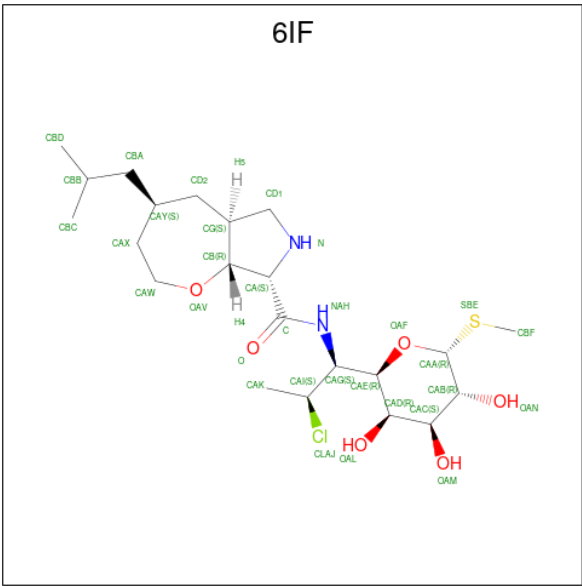
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57	2a	230	Total 230	Mg 230	0	0
57	2d	1	Total 1	Mg 1	0	0
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57	2f	2	Total 2	Mg 2	0	0
57	2g	1	Total 1	Mg 1	0	0
57	2j	1	Total 1	Mg 1	0	0
57	2k	1	Total 1	Mg 1	0	0
57	2l	4	Total 4	Mg 4	0	0
57	2m	1	Total 1	Mg 1	0	0
57	2q	2	Total 2	Mg 2	0	0
57	2r	1	Total 1	Mg 1	0	0
57	2t	1	Total 1	Mg 1	0	0
57	2v	2	Total 2	Mg 2	0	0
57	2w	9	Total 9	Mg 9	0	0
57	2x	6	Total 6	Mg 6	0	0
57	2y	6	Total 6	Mg 6	0	0

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

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

- Molecule 59 is methyl 7-chloro-6,7,8-trideoxy-6-{[(4S,5aS,8S,8aR)-4-(2-methylpropyl)octahydro-2H-oxepino[2,3-c]pyrrole-8-carbonyl]amino}-1-thio-L-threo-α-D-galacto-octopyran

oside (CCD ID: 6IF) (formula: C₂₂H₃₉ClN₂O₆S).



Mol	Chain	Residues	Atoms						ZeroOcc	AltConf
59	1A	1	Total	C	Cl	N	O	S	0	0
			32	22	1	2	6	1		
59	2A	1	Total	C	Cl	N	O	S	0	0
			32	22	1	2	6	1		

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

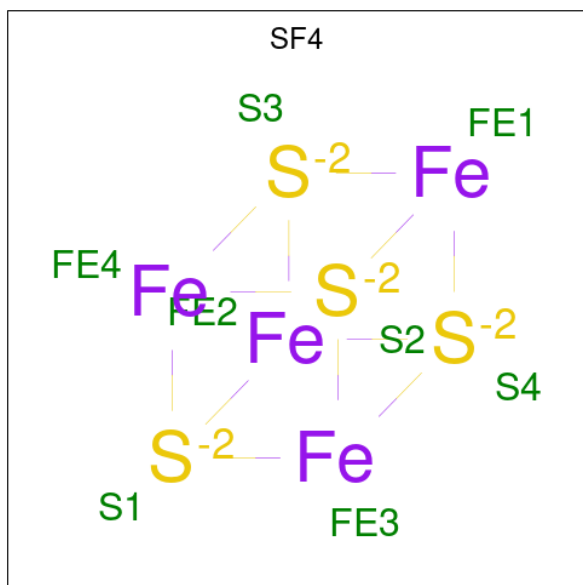
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1Y	1	Total	Zn	0	0
			1	1		
60	14	1	Total	Zn	0	0
			1	1		
60	15	1	Total	Zn	0	0
			1	1		
60	16	1	Total	Zn	0	0
			1	1		
60	19	1	Total	Zn	0	0
			1	1		
60	1n	1	Total	Zn	0	0
			1	1		
60	2Y	1	Total	Zn	0	0
			1	1		
60	24	1	Total	Zn	0	0
			1	1		
60	25	1	Total	Zn	0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

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	26	1	Total	Zn	0	0
			1	1		
60	29	1	Total	Zn	0	0
			1	1		
60	2n	1	Total	Zn	0	0
			1	1		

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



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

- Molecule 62 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	1A	1910	Total	O	0	0
			1910	1910		
62	1B	61	Total	O	0	0
			61	61		
62	1D	28	Total	O	0	0
			28	28		
62	1E	29	Total	O	0	0
			29	29		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	1F	18	Total 18	O 18	0	0
62	1G	2	Total 2	O 2	0	0
62	1H	1	Total 1	O 1	0	0
62	1I	1	Total 1	O 1	0	0
62	1N	6	Total 6	O 6	0	0
62	1O	4	Total 4	O 4	0	0
62	1P	24	Total 24	O 24	0	0
62	1Q	8	Total 8	O 8	0	0
62	1R	11	Total 11	O 11	0	0
62	1S	6	Total 6	O 6	0	0
62	1T	7	Total 7	O 7	0	0
62	1U	13	Total 13	O 13	0	0
62	1V	8	Total 8	O 8	0	0
62	1W	7	Total 7	O 7	0	0
62	1X	6	Total 6	O 6	0	0
62	1Y	3	Total 3	O 3	0	0
62	1Z	1	Total 1	O 1	0	0
62	10	11	Total 11	O 11	0	0
62	11	13	Total 13	O 13	0	0
62	12	4	Total 4	O 4	0	0
62	13	3	Total 3	O 3	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	14	1	Total 1	O 1	0	0
62	15	5	Total 5	O 5	0	0
62	16	3	Total 3	O 3	0	0
62	17	10	Total 10	O 10	0	0
62	18	9	Total 9	O 9	0	0
62	19	1	Total 1	O 1	0	0
62	1a	313	Total 313	O 313	0	0
62	1b	1	Total 1	O 1	0	0
62	1e	1	Total 1	O 1	0	0
62	1j	1	Total 1	O 1	0	0
62	1l	5	Total 5	O 5	0	0
62	1m	2	Total 2	O 2	0	0
62	1n	1	Total 1	O 1	0	0
62	1q	2	Total 2	O 2	0	0
62	1u	1	Total 1	O 1	0	0
62	1v	4	Total 4	O 4	0	0
62	1w	9	Total 9	O 9	0	0
62	1x	12	Total 12	O 12	0	0
62	1y	1	Total 1	O 1	0	0
62	2A	1010	Total 1010	O 1010	0	0
62	2B	21	Total 21	O 21	0	0

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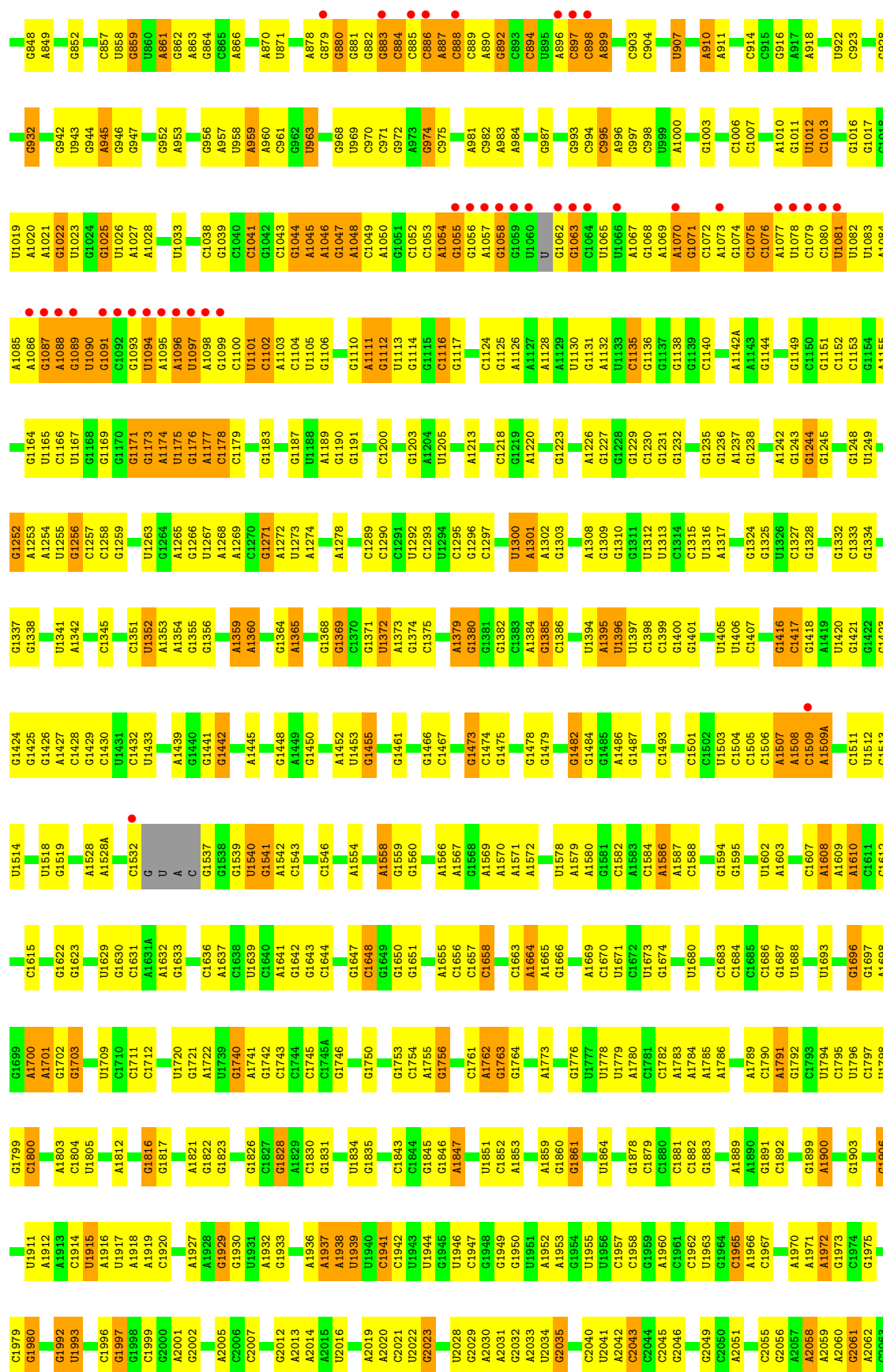
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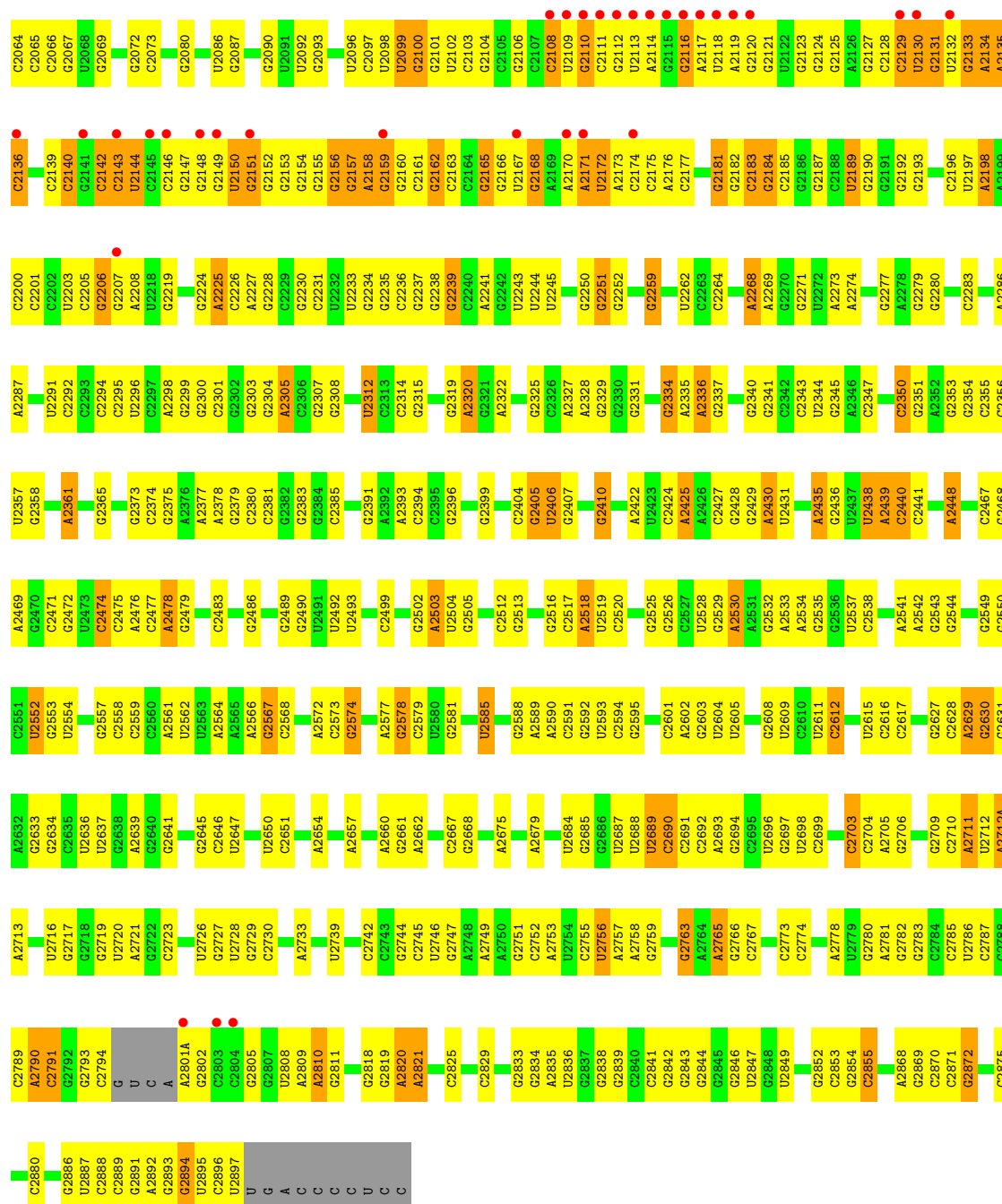
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62	2E	12	Total 12	O 12	0	0
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62	2I	2	Total 2	O 2	0	0
62	2O	2	Total 2	O 2	0	0
62	2P	10	Total 10	O 10	0	0
62	2Q	1	Total 1	O 1	0	0
62	2R	3	Total 3	O 3	0	0
62	2T	5	Total 5	O 5	0	0
62	2U	3	Total 3	O 3	0	0
62	2W	1	Total 1	O 1	0	0
62	2X	3	Total 3	O 3	0	0
62	2Y	1	Total 1	O 1	0	0
62	20	4	Total 4	O 4	0	0
62	21	8	Total 8	O 8	0	0
62	23	1	Total 1	O 1	0	0
62	25	1	Total 1	O 1	0	0
62	27	4	Total 4	O 4	0	0
62	28	2	Total 2	O 2	0	0
62	29	1	Total 1	O 1	0	0
62	2a	181	Total 181	O 181	0	0

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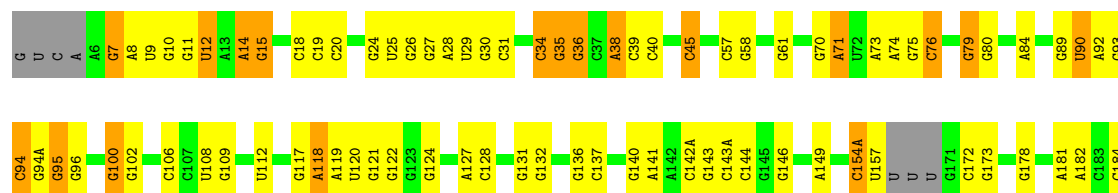
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	2d	1	Total	O	0	0
			1	1		
62	2j	3	Total	O	0	0
			3	3		
62	2l	5	Total	O	0	0
			5	5		
62	2p	3	Total	O	0	0
			3	3		
62	2q	1	Total	O	0	0
			1	1		
62	2r	1	Total	O	0	0
			1	1		
62	2t	2	Total	O	0	0
			2	2		
62	2v	4	Total	O	0	0
			4	4		
62	2w	1	Total	O	0	0
			1	1		
62	2x	3	Total	O	0	0
			3	3		
62	2y	4	Total	O	0	0
			4	4		



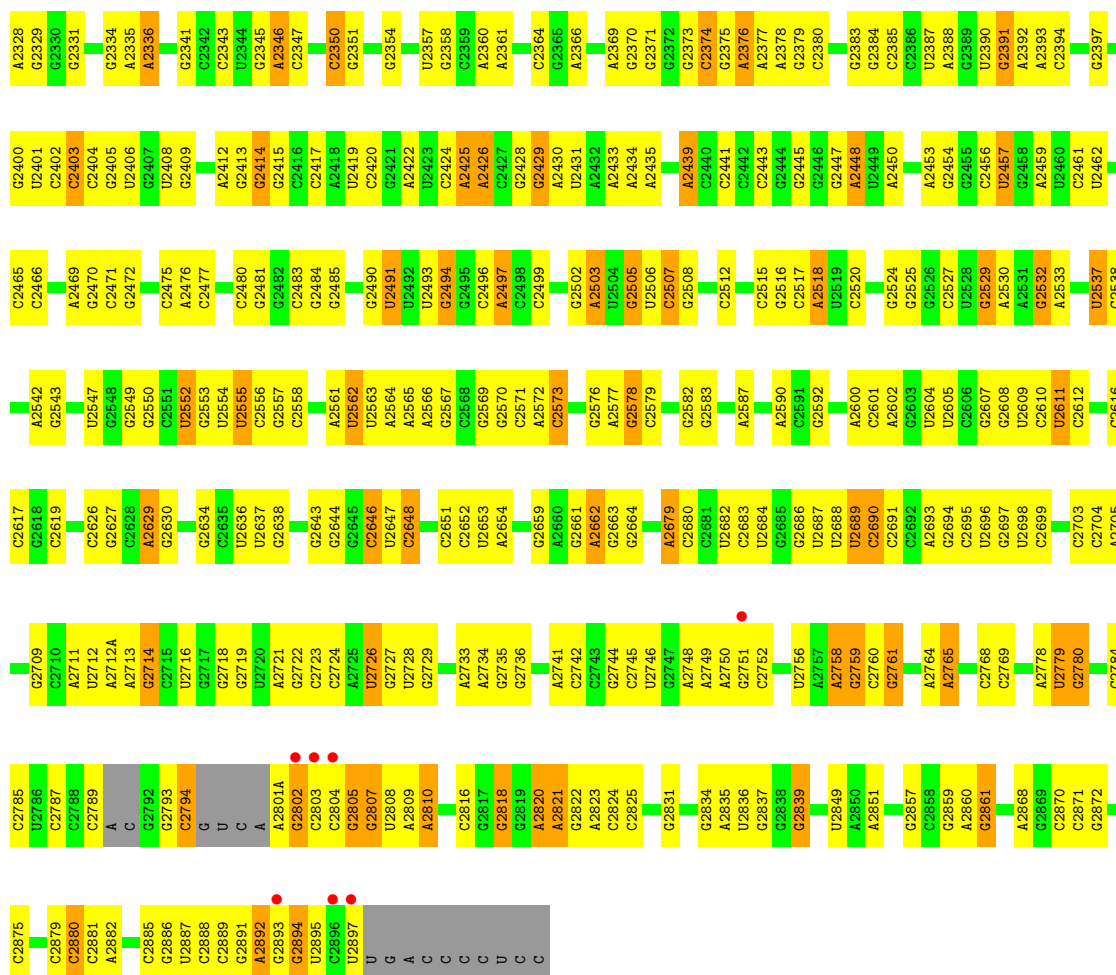


● Molecule 1: 23S Ribosomal RNA





G1197	U1267	A1359	C1428	A1508	U1590	A1669	A1762	C1843	U1939	G2024	C2103	G2165	G2262
U1198	A1268	A1360	G1429	C1509	G1591	C1670	A1763	C1844	U1940	C2025	G2104	G2166	G2263
U1199	A1269	G1364	C1430	A1509A	C1592	U1671	G1764	A1847	C1941	C2026	C2105	G2167	C2264
C1270	C1270	G1365	U1433	G1510	G1593	C1675	G1765	A1848	C1942	U2027	C2106	A2169	
C1201	A1271	A1366	U1434	U1514	G1595	U1680	U1768	G1857	U1946	G2029	G2110	A2170	
C1202	A1272	A1367	U1435	U1515	A1596	G1681	G1769	G1858	C1947	A2030	C2111	A2171	
G1203	U1273	G1368	G1436	G1516	C1600	G1682	A1773	G1861	U1951	A2031	C2112	U2172	
A1204	A1274	G1369	C1437	G1517	A1603	G1683	U1775	G1862	A1952	A2033	C2113	C2174	
G1209	A1275	C1370	G1442	G1527	C1604	U1686	U1776	U1864	U1953	G2036	G2114	A2176	
U1210	G1277	G1371	G1443	G1527	A1607	G1687	U1777	U1865	A1954	G2037	G2115	C2177	
U1211	A1278	U1372	G1444	G1527	C1608	U1688	U1778	G1865	A1955	G2038	A2117	C2178	
A1213	G1283	G1373	A1445	G1529	A1609	G1687	U1779	G1866	U1956	G2039	G2118		
G1216	A1284	C1375	C1445A	C1530	A1608	U1687	U1780	A1877	C1957	G2040	G2119		
G1217	U1285	C1376	C1446	C1531	A1609	A1689	U1781	G1878	C1958	U2041	G2120		
C1218	A1286	G1377	G1447	C1532	A1610	U1693	C1782	C1881	C1962	A2042	G2121		
G1219	U1287	U1378	G1448	G1533	C1611	C1694	A1783	C1882	U1963	C2043	G2122		
A1220	U1288	A1379	A1449	U	C1612	G1695	A1786	C1883	G1964	C2044	G2123		
G1221	G1296	G1380	G1450	C1536	A1614	G1696	A1786	A1884	C1965		G2124		
	C1297	A1384	A1452	G1539	C1615	G1697	A1789	A1885	A1966	C2050	G2125		
	C1298	G1385	U1453	U1540	C1616	A1698	C1790	A1886	C1967	A2051	G2126		
	G1299	G1386	G1455	G1541	C1617	G1699	A1791	A1889	G1968	G2055	G2127		
	U1300	C1387	G1455	A1542	G1622	U1701	C1792	A1890	A1969	G2056	C2128		
	A1301	G1388	A1460	A1543	U1629	G1702	U1794	C1894	A1970	A2057	U2130		
	G1227	G1389	G1461	C1544	C1630	G1703	C1795	C1895	A1971	A2058	G2131		
	G1228	A1392	C1462	A1545	G1631	G1707	U1796	G1899	G1972	A2059	U2132		
	G1229	A1393	C1463	C1546	C1630	G1707	C1797	A1900	C1973	A2060	G2133		
	C1230	U1394	G1464	C1547	A1631A	U1708	U1798	A1901	A1978	G2061	A2134		
	G1231	A1395	G1465	C1547	A1632	G1709	G1799	G1906	C1979	A2062	A2135		
	G1232	A1395	C1466	C1550	G1633	C1710	G1799	G1907	U1991	C2063	A2136		
	G1239	C1399	C1467	A1554	U1636	C1711	G1801	C1908	G1992	G2064	C2137		
	U1240	G1400	A1471	A1554	C1637	G1712	G1802	U1911	U1993	G2065	C2138		
	A1241	G1401	U1477	C1557	C1644	U1720	A1812	A1912	C1994	G2067	C2139		
	A1242	C1402	G1478	A1558	G1645	G1721	G1813	A1913	U1995	U2068	G2141		
	G1243	C1403	C1479	A1559	G1646	A1722	G1814	A1914	C1996	G2069	C2142		
	G1244	C1404	G1479	G1560	G1647	U1739	A1815	A1915	G1997	G2070	C2143		
	G1324	U1405	G1482	G1561	C1648	G1740	A1816	A1916	G1998	A2071	U2144		
	G1325	U1406	G1484	A1562	G1649	G1742	G1817	A1917	C2000	U2074	C2145		
	U1326	G1410	G1485	G1562	G1650	G1743	U1820	A1918	G2001	U2075	G2146		
	C1327	C1411	G1486	A1566	G1651	C1743	U1821	A1919	G2002		G2147		
	U1249	A1412	G1487	A1567	A1652	G1747	G1822	C1920	C2003		G2148		
	G1250	G1413	U1488	A1568	G1653	G1747A	G1823	G1921	G2004		G2149		
	G1251	C1337	U1489	A1569	A1654	G1748	G1824	G1922	G2005		U2150		
	G1252	G1338	U1490	A1572	C1657	A1749	A1825	G1923	G2006		G2151		
	A1253	U1341	G1416	A1572	C1658	G1750	U1829	C1924	A2013		G2152		
	A1254	U1342	G1417	A1578	C1659	C1751	A1830	A1927	A2014		G2153		
	U1255	A1342	G1418	A1579	U1659	C1752	C1830	A1928	A2015		G2154		
	G1256	C1345	A1419	A1580	C1660	G1753	C1831	G1929	A2016		G2155		
	C1257	U1352	U1420	A1581	G1661	C1754	U1833	G1930	U2017		G2156		
	G1258	G1422	G1421	G1582	C1498	A1755	U1834	G1931	G2018		C2157		
	G1260	U1352	G1423	C1582	A1664	G1756	G1835	U1931	A2019		A2168		
	U1263	A1353	G1424	C1584	A1665	U1757	G1836	U1936	A2020		G2159		
	G1264	G1355	G1425	C1584	G1666	U1757	C1837	A1937	A2021		G2160		
	U1265	G1356	C1506	C1588	A1667	U1757	C1837	A1938	U2022		G2162		
	G1266	A1507	C1507	C1589	A1668	A1759	A1759	A1938	G2023				



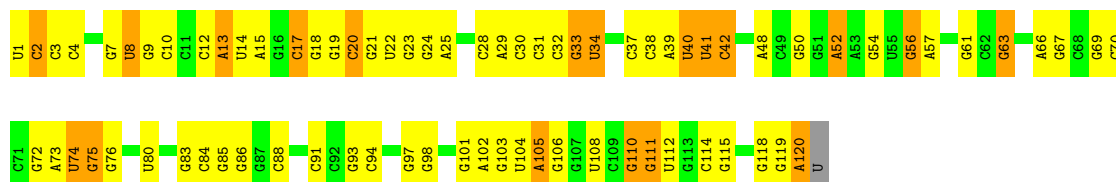
• Molecule 2: 5S Ribosomal RNA

Chain 1B: 51% 45%

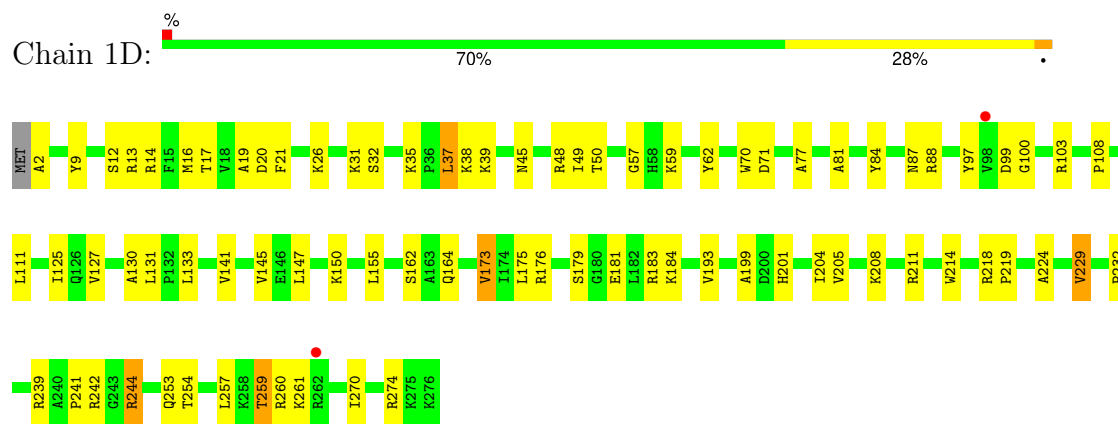


• Molecule 2: 5S Ribosomal RNA

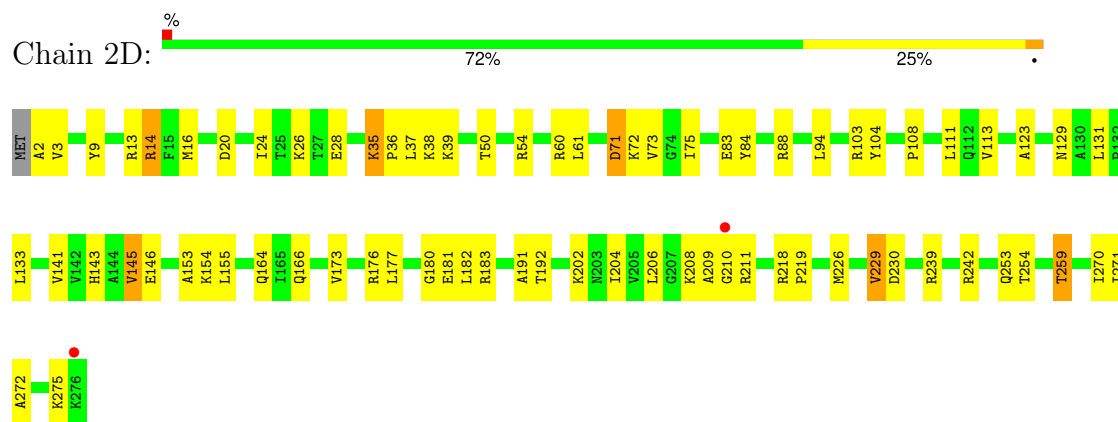
Chain 2B: 36% 48% 16%



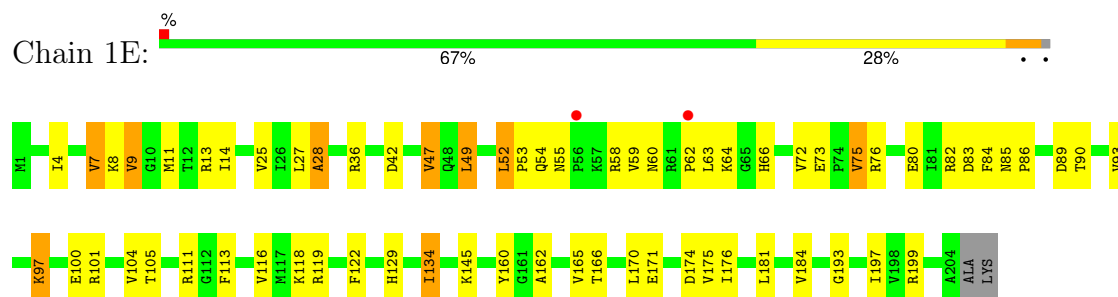
• Molecule 3: 50S ribosomal protein L2



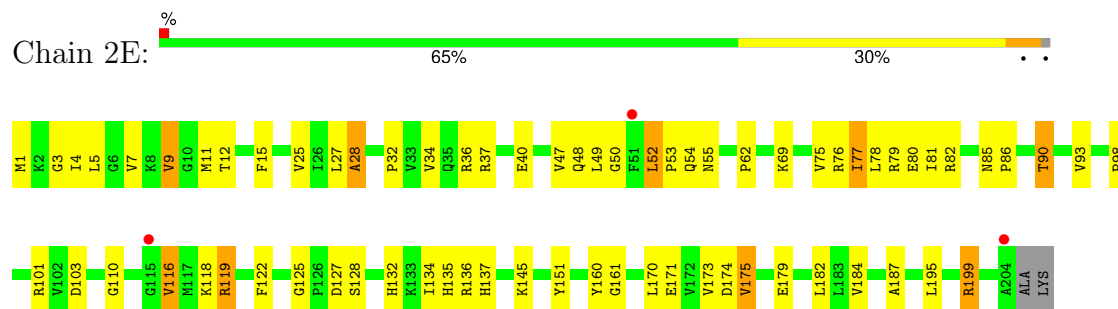
• Molecule 3: 50S ribosomal protein L2



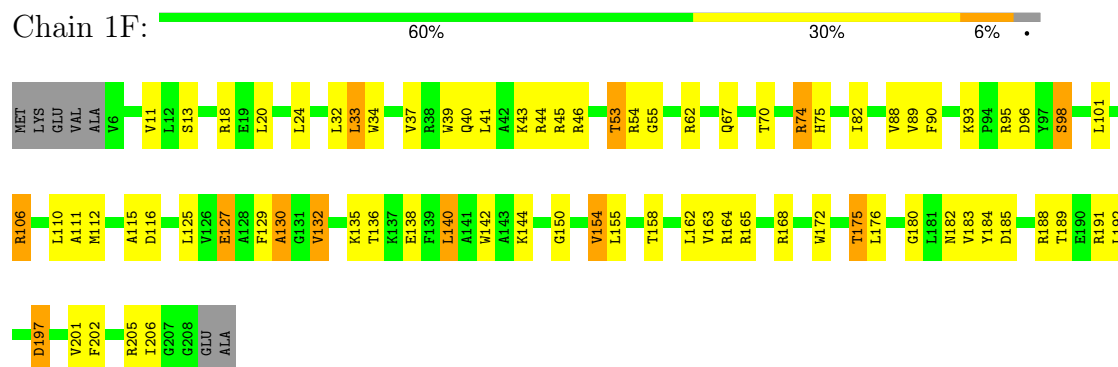
• Molecule 4: 50S ribosomal protein L3



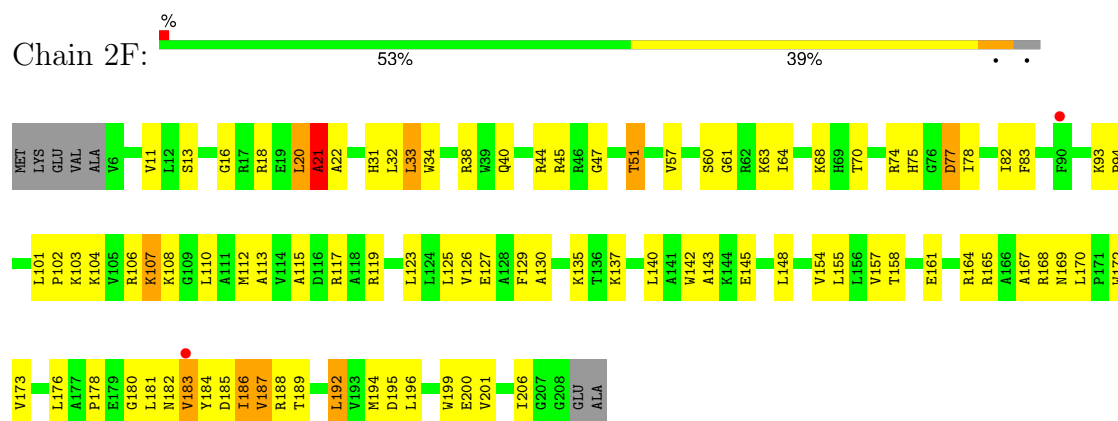
• Molecule 4: 50S ribosomal protein L3



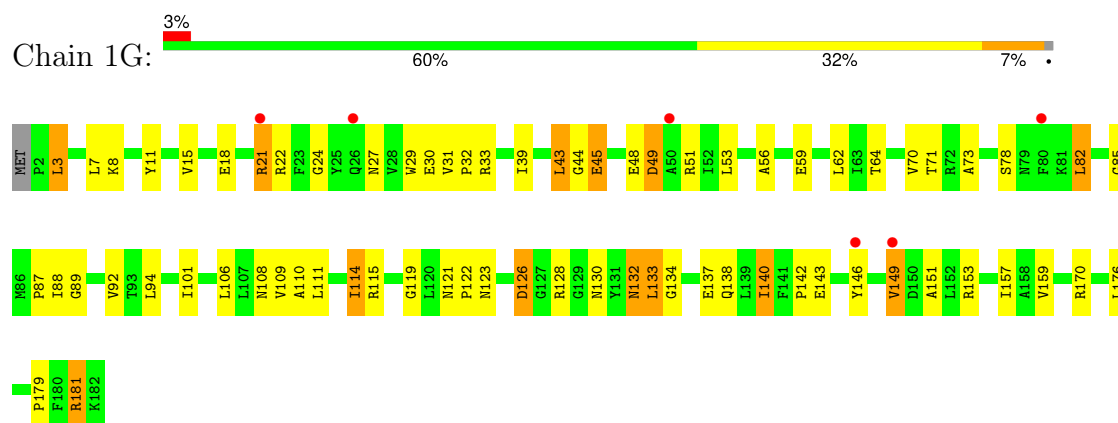
• Molecule 5: 50S ribosomal protein L4



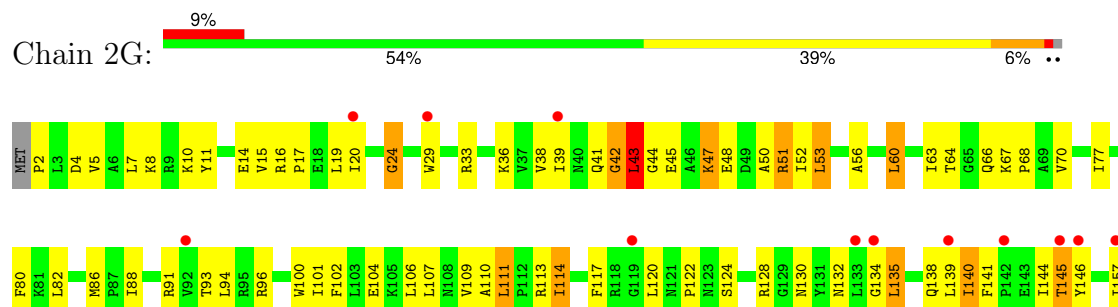
• Molecule 5: 50S ribosomal protein L4

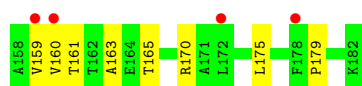


• Molecule 6: 50S ribosomal protein L5

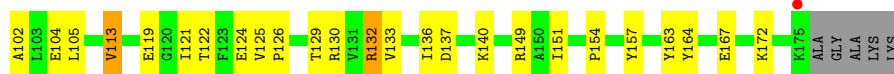
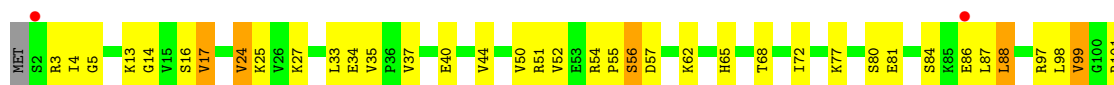


• Molecule 6: 50S ribosomal protein L5

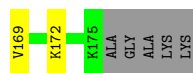
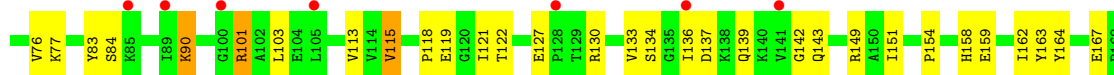




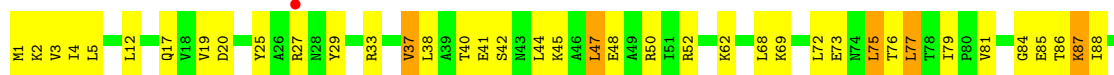
- Molecule 7: 50S ribosomal protein L6



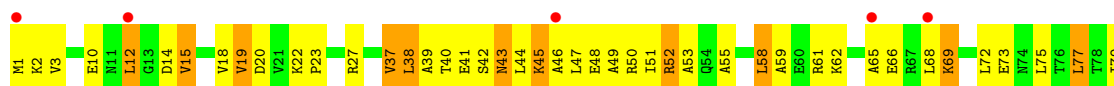
- Molecule 7: 50S ribosomal protein L6



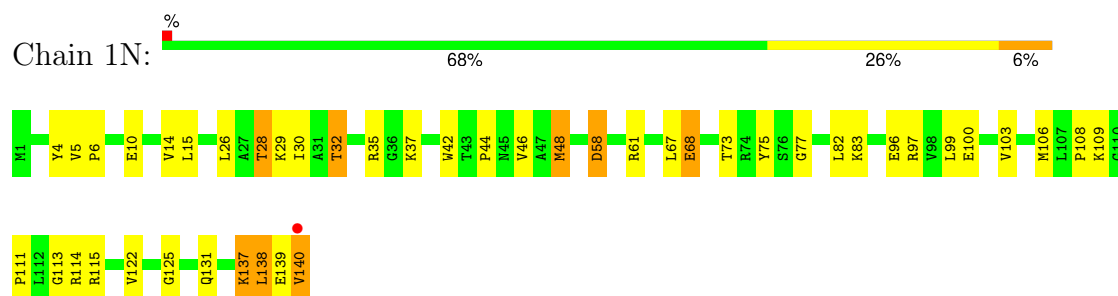
- Molecule 8: 50S ribosomal protein L9



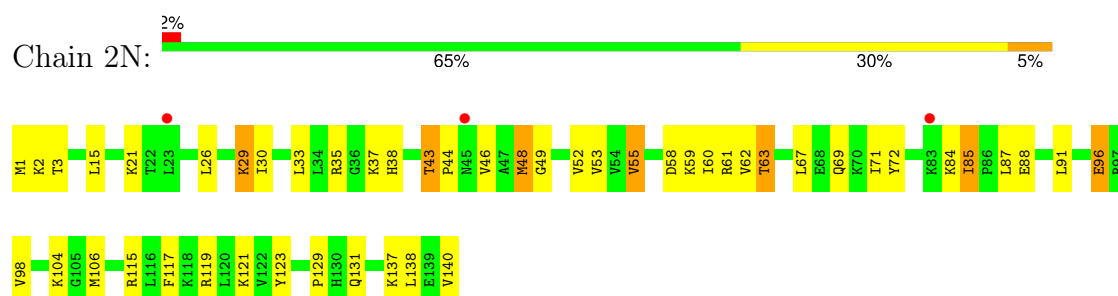
- Molecule 8: 50S ribosomal protein L9



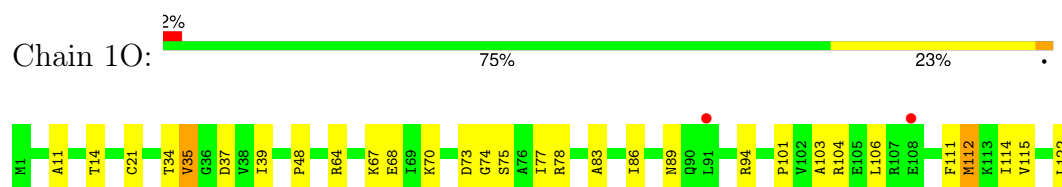
- Molecule 9: 50S ribosomal protein L13



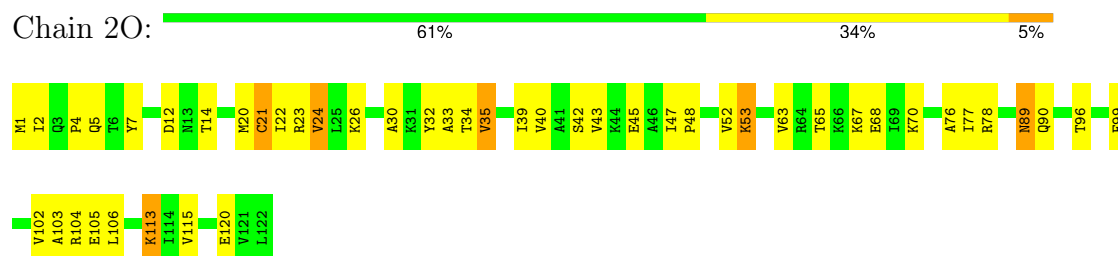
- Molecule 9: 50S ribosomal protein L13



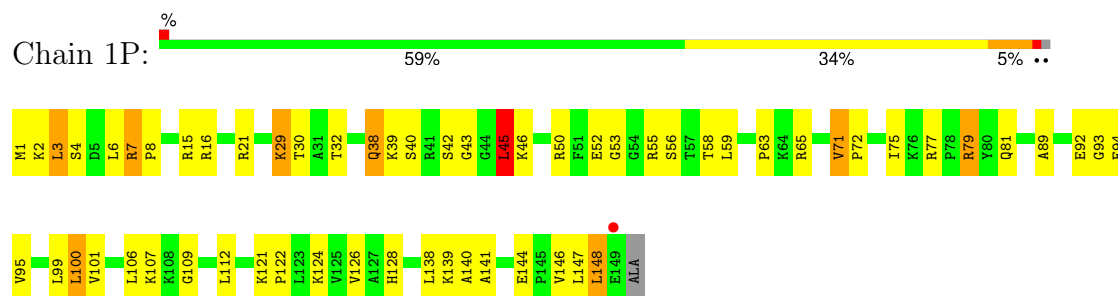
- Molecule 10: 50S ribosomal protein L14



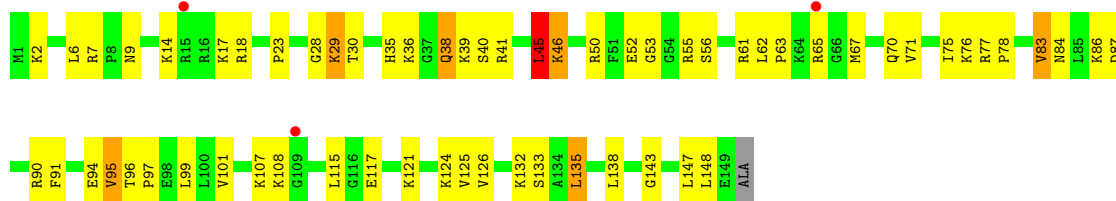
- Molecule 10: 50S ribosomal protein L14



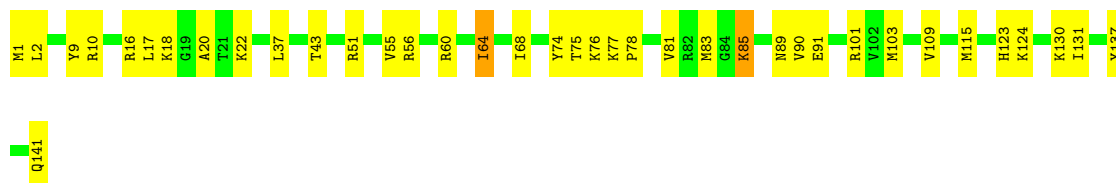
- Molecule 11: 50S ribosomal protein L15



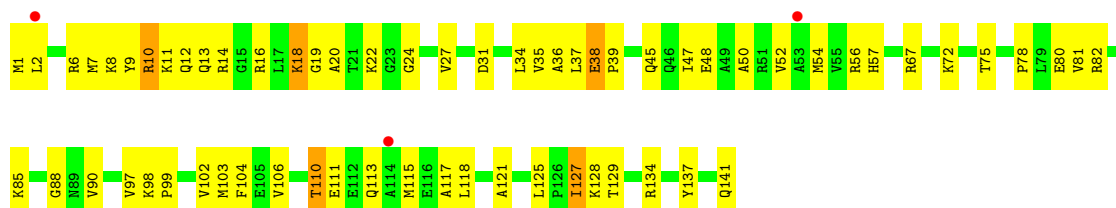
- Molecule 11: 50S ribosomal protein L15



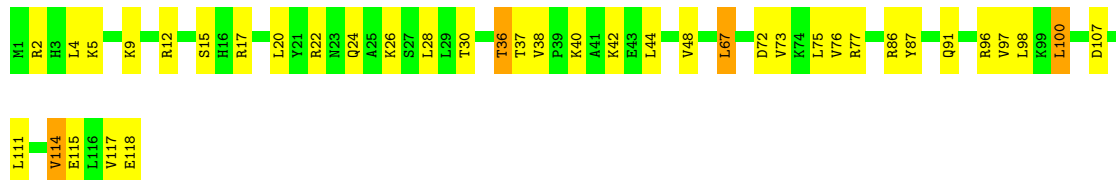
- Molecule 12: 50S ribosomal protein L16



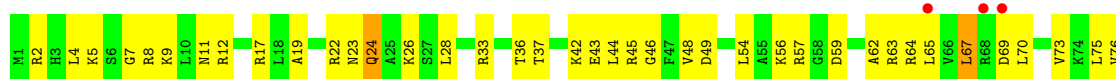
- Molecule 12: 50S ribosomal protein L16

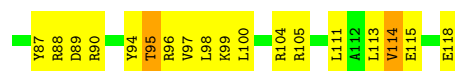


- Molecule 13: 50S ribosomal protein L17



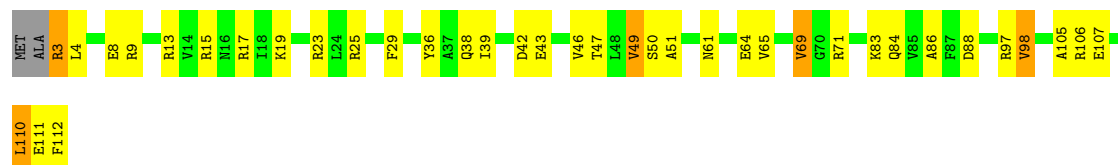
- Molecule 13: 50S ribosomal protein L17





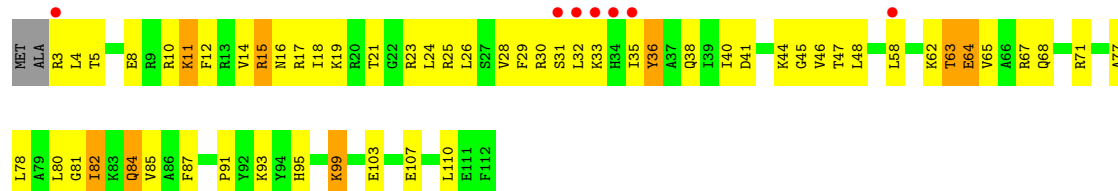
• Molecule 14: 50S ribosomal protein L18

Chain 1S: 64% 29%



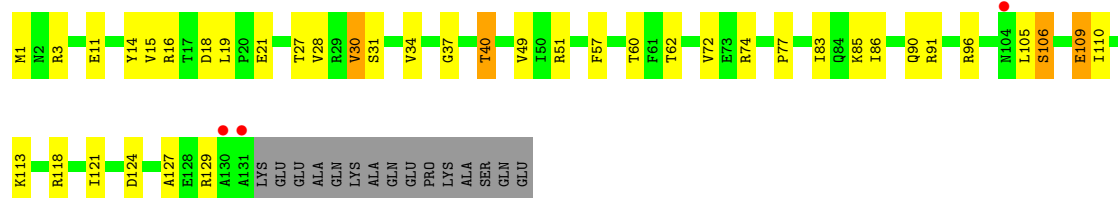
• Molecule 14: 50S ribosomal protein L18

Chain 2S: 6% 47% 44% 7%



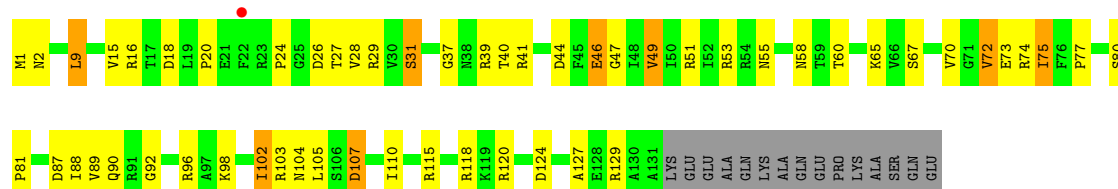
• Molecule 15: 50S ribosomal protein L19

Chain 1T: 2% 62% 25% 10%



• Molecule 15: 50S ribosomal protein L19

Chain 2T: 52% 32% 5% 10%

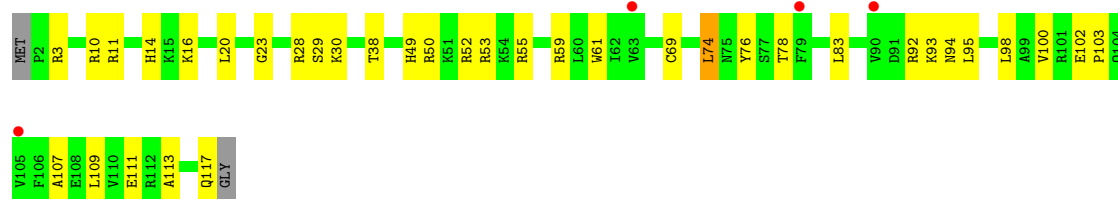


• Molecule 16: 50S ribosomal protein L20

Chain 1U: 79% 18%



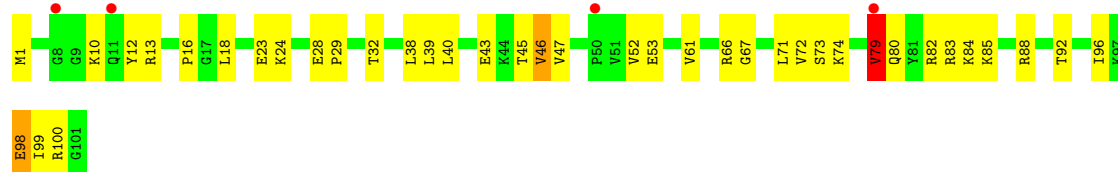
- Molecule 16: 50S ribosomal protein L20



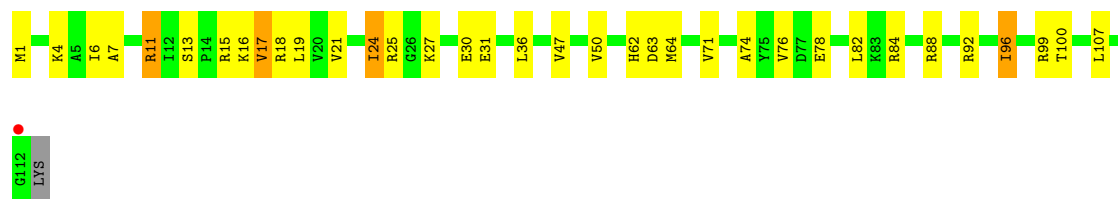
- Molecule 17: 50S ribosomal protein L21



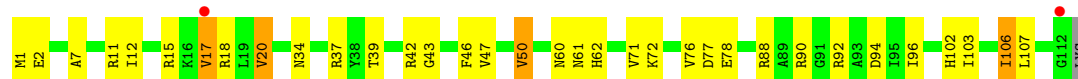
- Molecule 17: 50S ribosomal protein L21



- Molecule 18: 50S ribosomal protein L22



- Molecule 18: 50S ribosomal protein L22



- Molecule 19: 50S ribosomal protein L23

Chain 1X:  74% 24% ..



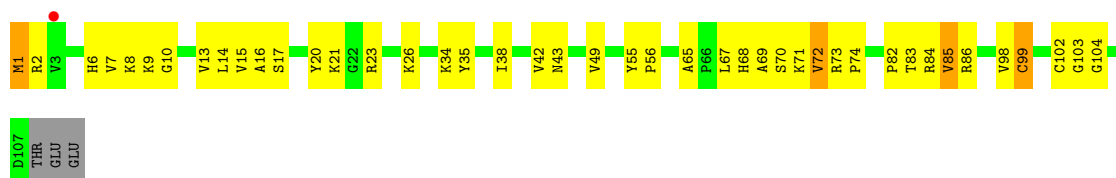
• Molecule 19: 50S ribosomal protein L23

Chain 2X:  70% 28% ..



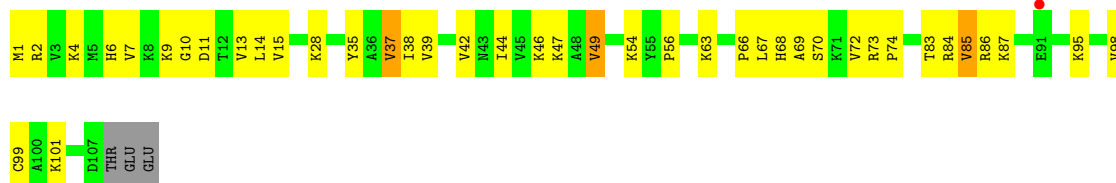
• Molecule 20: 50S ribosomal protein L24

Chain 1Y:  58% 35% . .



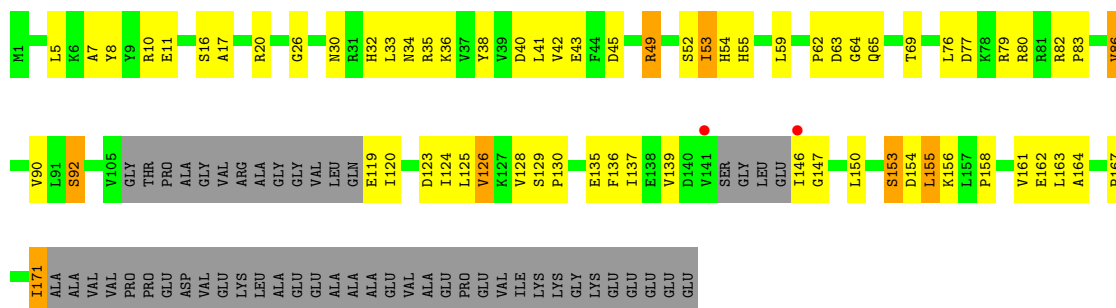
• Molecule 20: 50S ribosomal protein L24

Chain 2Y:  60% 35% . .



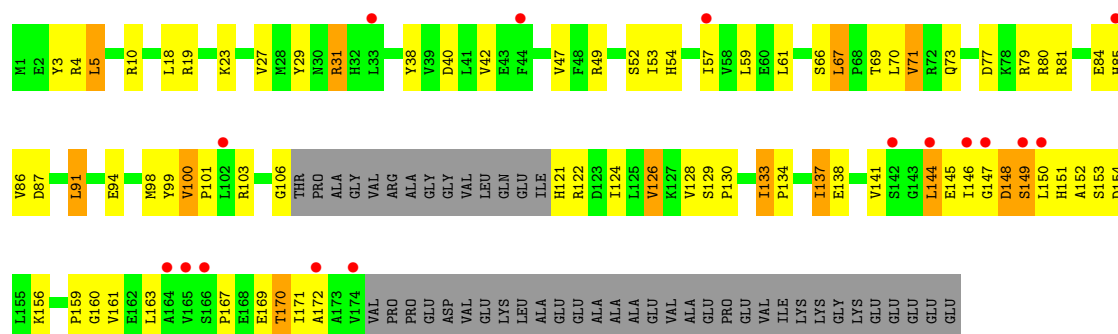
• Molecule 21: 50S ribosomal protein L25

Chain 1Z:  42% 29% . 25%

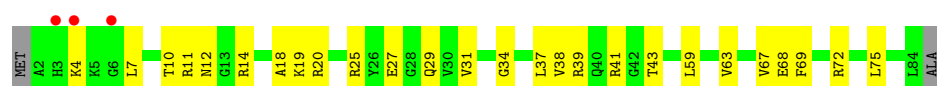


• Molecule 21: 50S ribosomal protein L25

Chain 2Z:  41% 31% 6% 22%



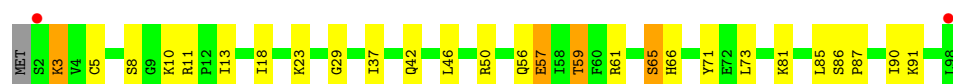
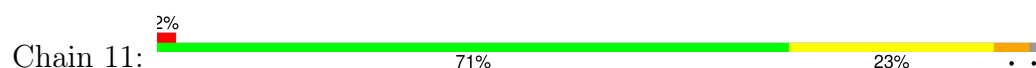
- Molecule 22: 50S ribosomal protein L27



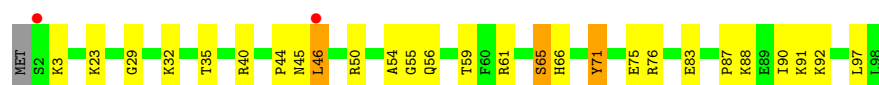
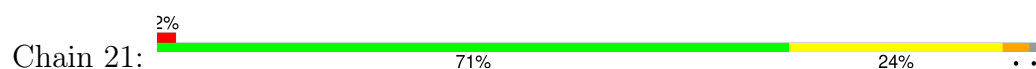
- Molecule 22: 50S ribosomal protein L27



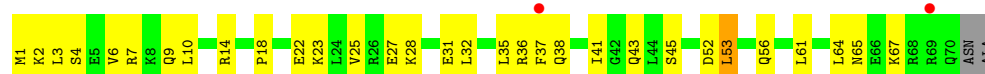
- Molecule 23: 50S ribosomal protein L28



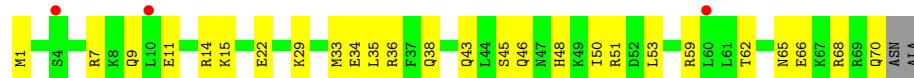
- Molecule 23: 50S ribosomal protein L28



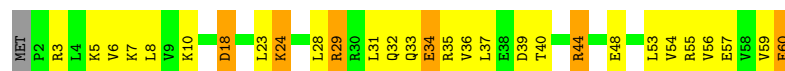
- Molecule 24: 50S ribosomal protein L29



- Molecule 24: 50S ribosomal protein L29



- Molecule 25: 50S ribosomal protein L30



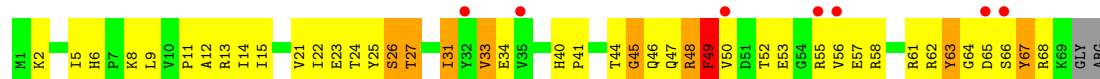
- Molecule 25: 50S ribosomal protein L30



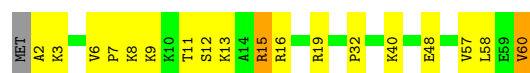
- Molecule 26: 50S ribosomal protein L31



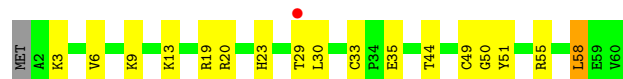
- Molecule 26: 50S ribosomal protein L31



- Molecule 27: 50S ribosomal protein L32

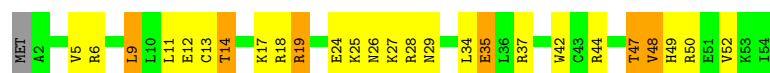


- Molecule 27: 50S ribosomal protein L32



- Molecule 28: 50S ribosomal protein L33

Chain 16:  50% 37% 11% .



- Molecule 28: 50S ribosomal protein L33

Chain 26:  4% 57% 35% 6% .



- Molecule 29: 50S ribosomal protein L34

Chain 17:  65% 31% . .



- Molecule 29: 50S ribosomal protein L34

Chain 27:  2% 53% 41% . .



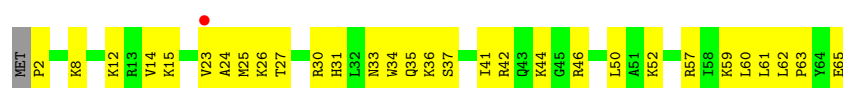
- Molecule 30: 50S ribosomal protein L35

Chain 18:  2% 58% 38% . .



- Molecule 30: 50S ribosomal protein L35

Chain 28:  2% 52% 46% .

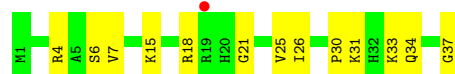


- Molecule 31: 50S ribosomal protein L36

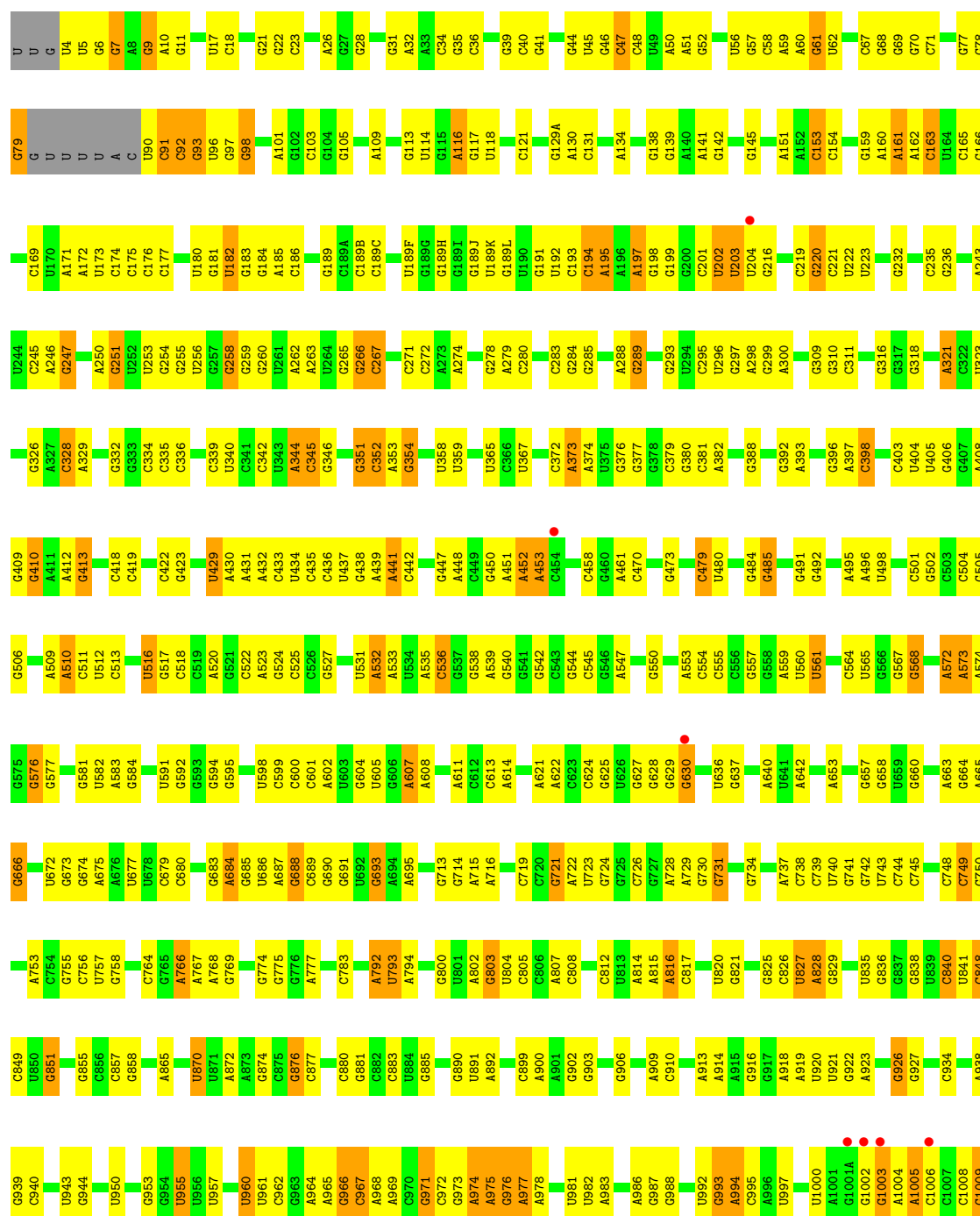
Chain 19:  65% 35%

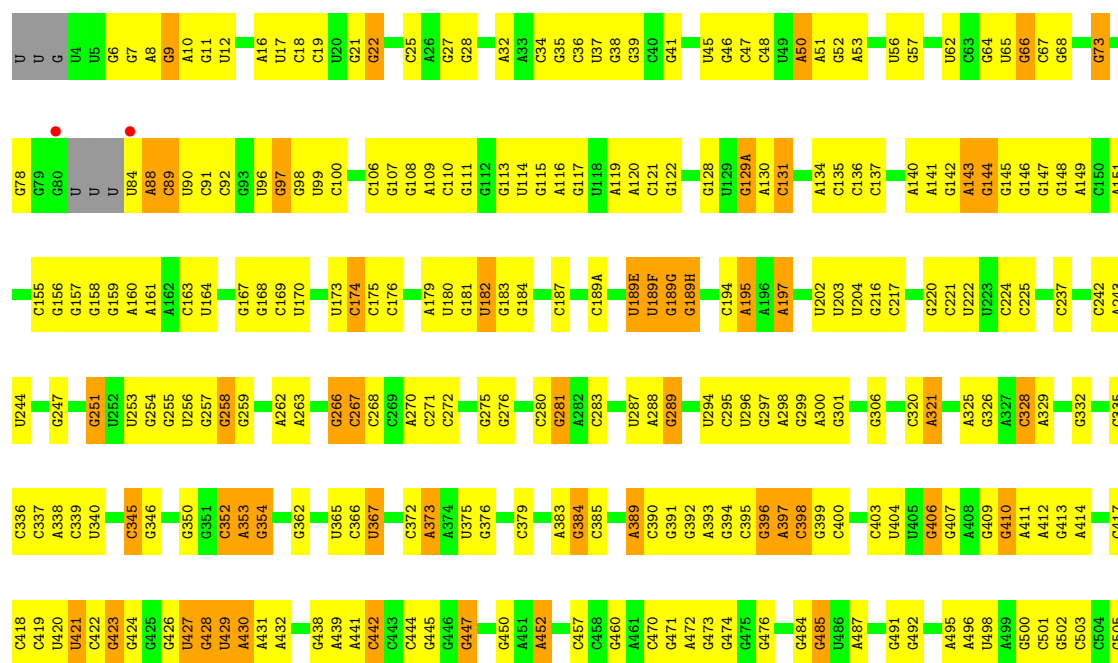


- Molecule 31: 50S ribosomal protein L36



• Molecule 32: 16S Ribosomal RNA

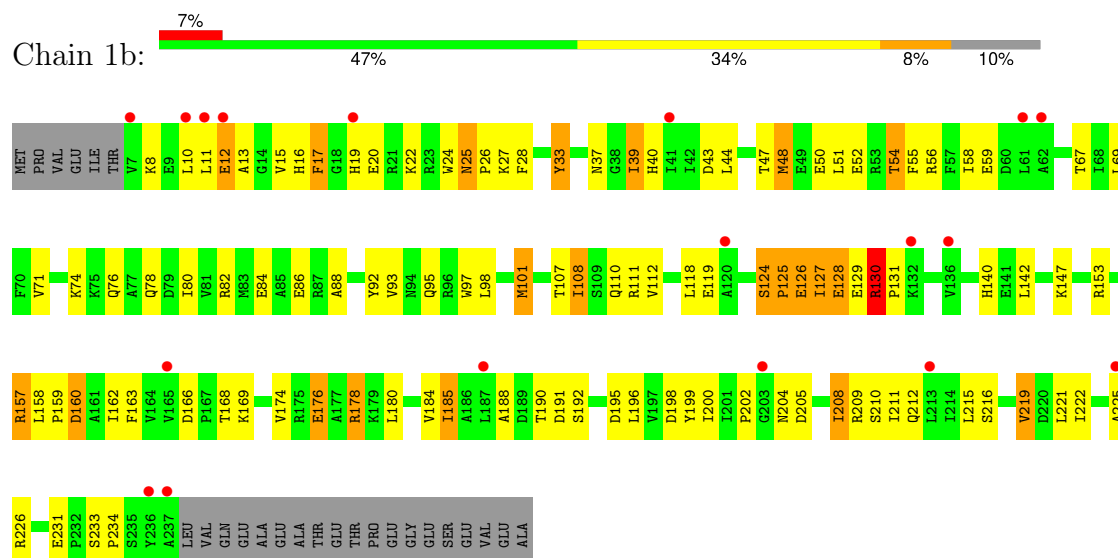


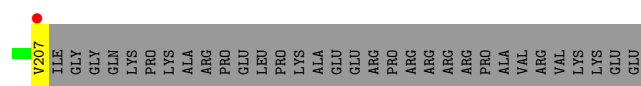


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A1531	G1310	G1311	C1237	A1168	A1102	A1034	C979	A816		G730	G657	G570
U1532	A1375	G1312	U1240	A1169	C1103	G1036	U982	A817		G731	G661	U571
C	U1376	U1313	G1241	G1171	A1105	C1038	A983	A818		C735	G662	A572
A	C1378	C1316	C1242	C1172	U1106	C1039	C984	A819		C736	A573	A573
C	U1381	G1317	C1243	G1173	C1107	U1040	C985	A820		A737	A574	A574
C	A1460	A1318	C1244	G1177	C1109	A1041	A986	G829		C738	A575	G575
C	U1319	A1319	C1245	A1178	C1112	C1043	C987			G739	G576	G576
C	C1320	C1320	C1246	A1179	G1113	A1044	C988			A654		
C	G1385	G1385	A1250	A1180	C1114	C1045	C989			G656		
U	G1467	C1321	A1387	G1181	C1115	A1046	C990			C657		
U	C1388	C1322	A1252	G1182	U1116	G1047	C991					
U		C1323		A1183	C1116	G1048	C993					

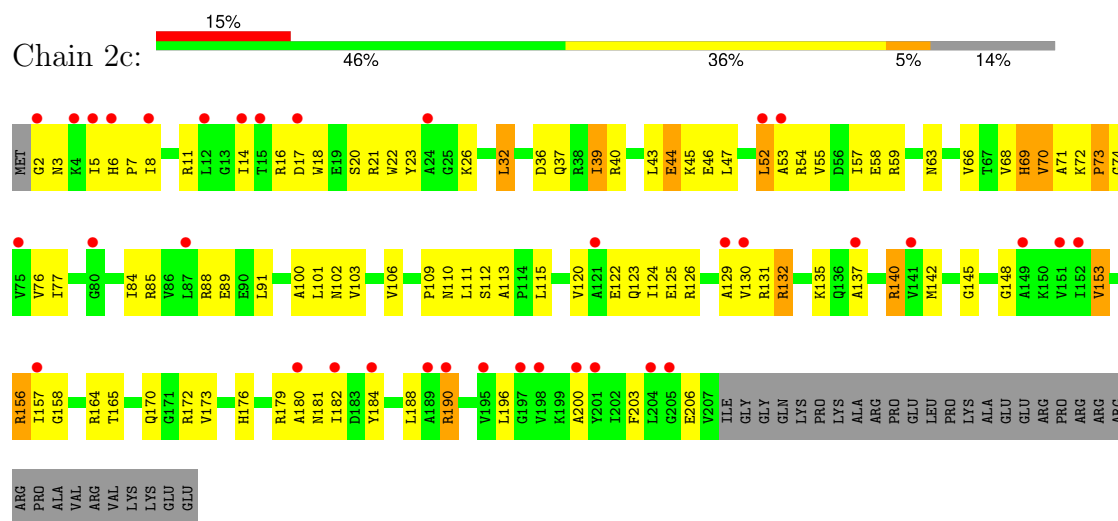
D C D

- Molecule 33: 30S ribosomal protein S2

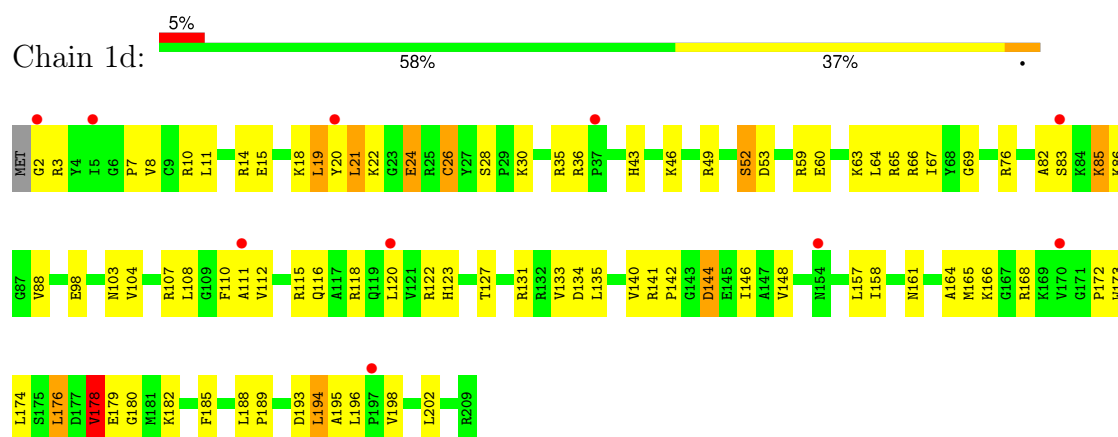




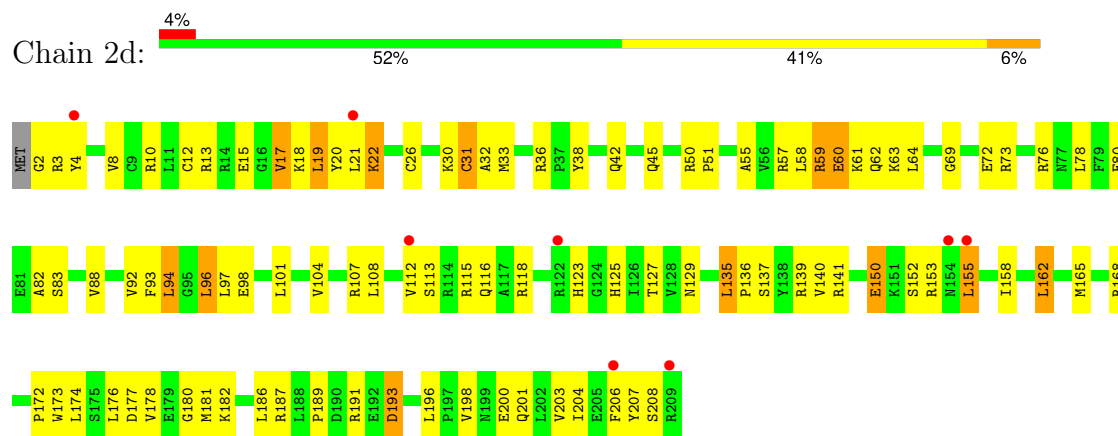
● Molecule 34: 30S ribosomal protein S3



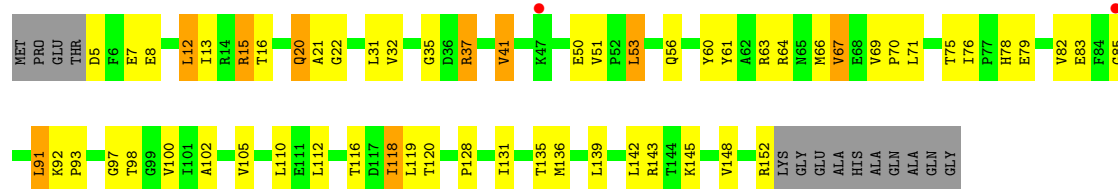
● Molecule 35: 30S ribosomal protein S4



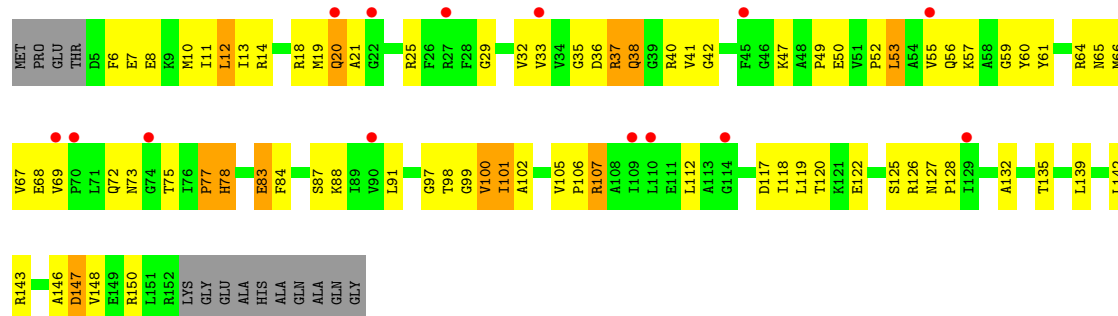
● Molecule 35: 30S ribosomal protein S4



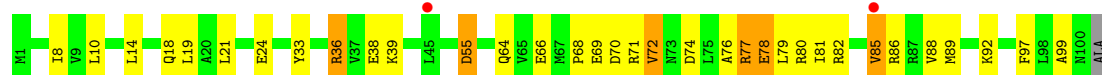
● Molecule 36: 30S ribosomal protein S5



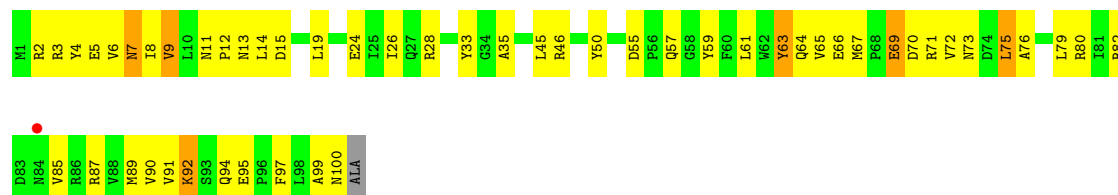
• Molecule 36: 30S ribosomal protein S5



• Molecule 37: 30S ribosomal protein S6



• Molecule 37: 30S ribosomal protein S6

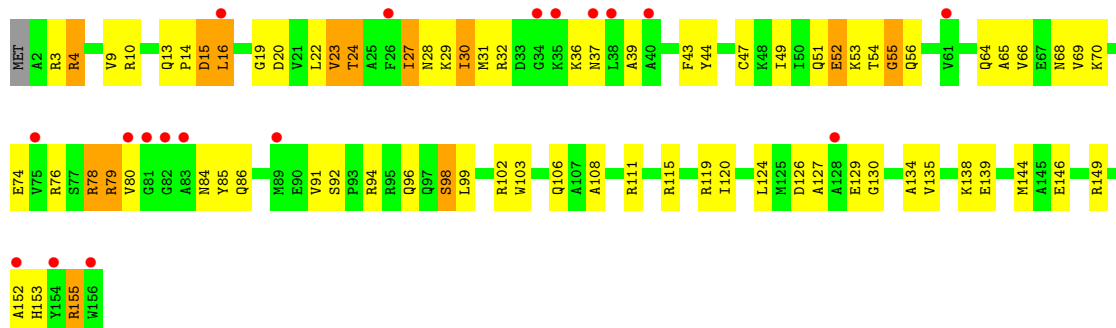


• Molecule 38: 30S ribosomal protein S7

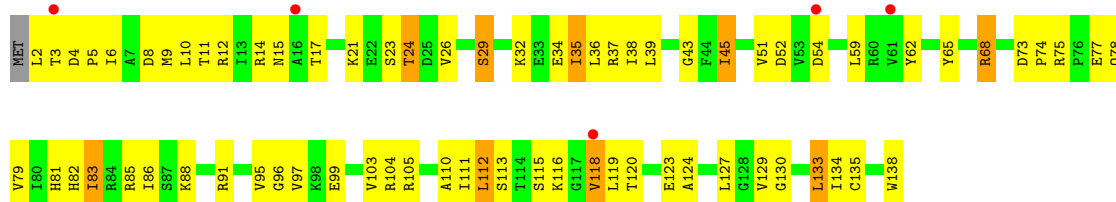




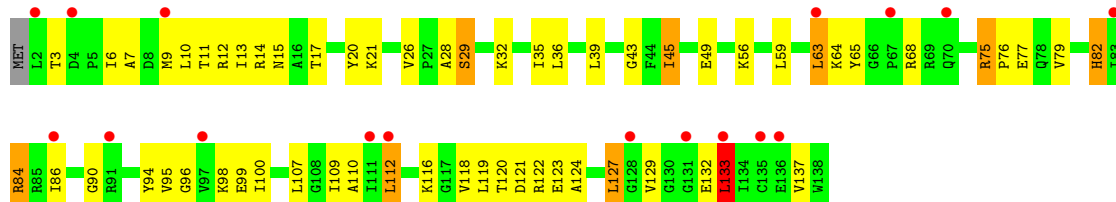
• Molecule 38: 30S ribosomal protein S7



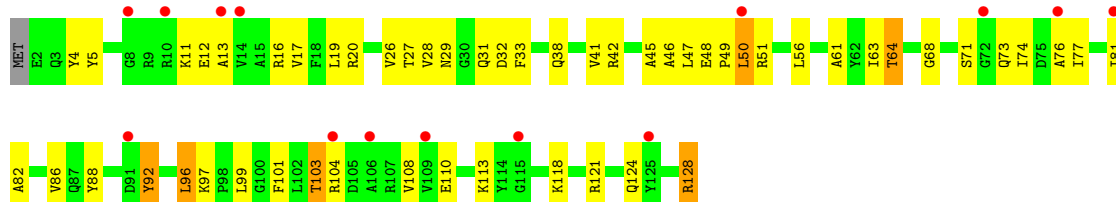
• Molecule 39: 30S ribosomal protein S8



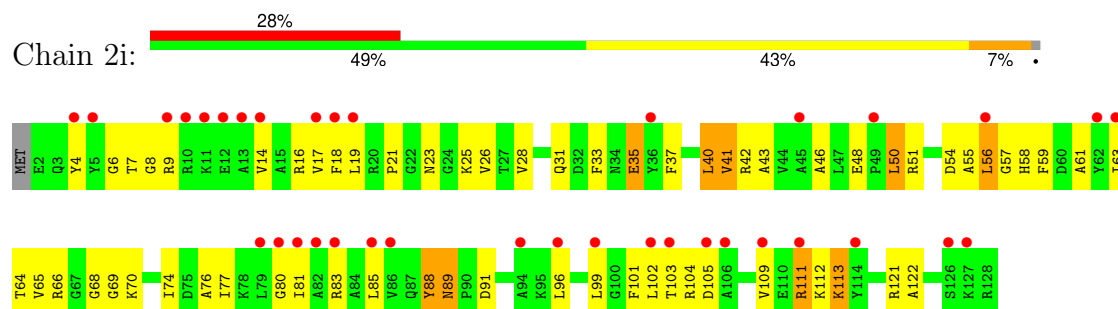
• Molecule 39: 30S ribosomal protein S8



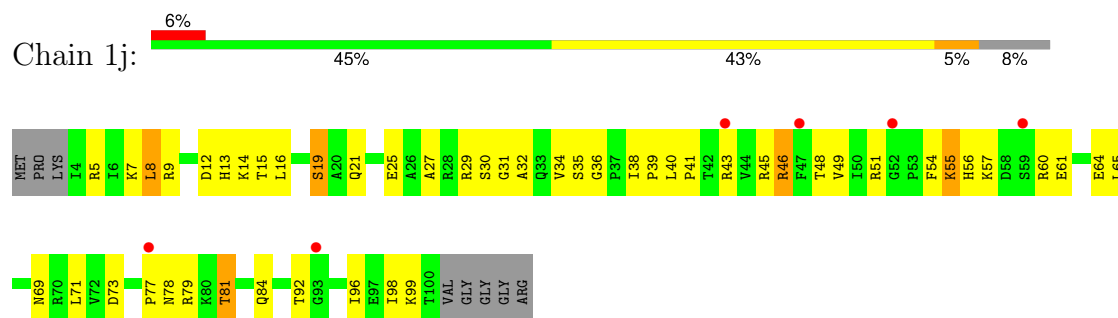
• Molecule 40: 30S ribosomal protein S9



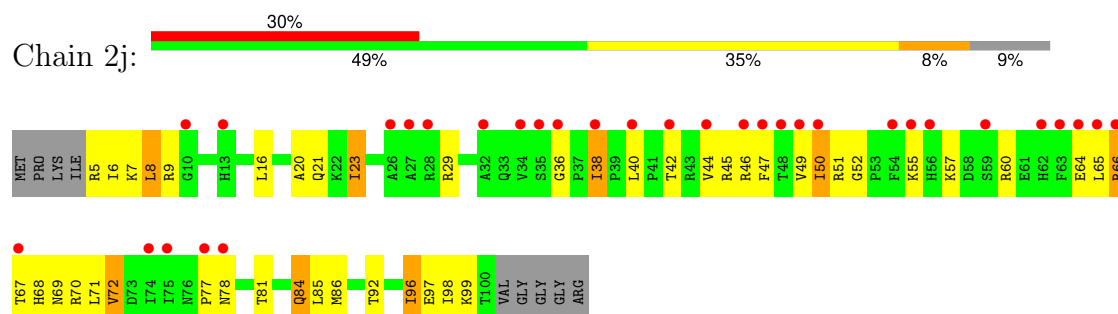
- Molecule 40: 30S ribosomal protein S9



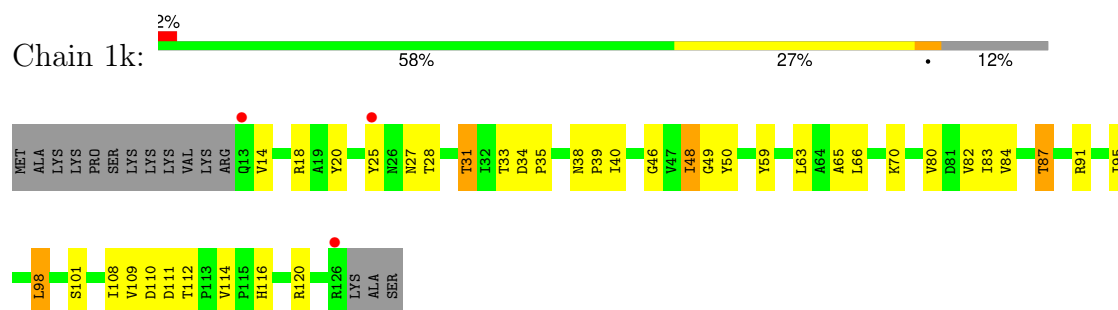
- Molecule 41: 30S ribosomal protein S10



- Molecule 41: 30S ribosomal protein S10

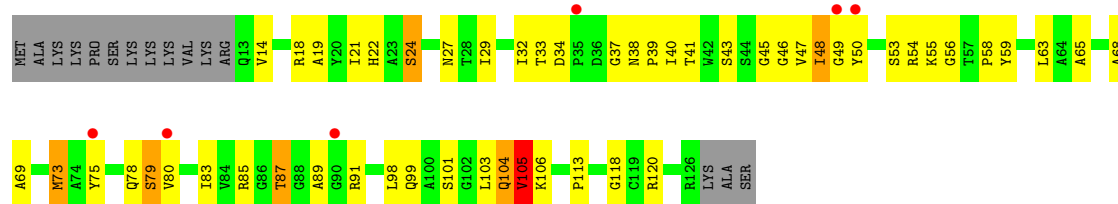


- Molecule 42: 30S ribosomal protein S11

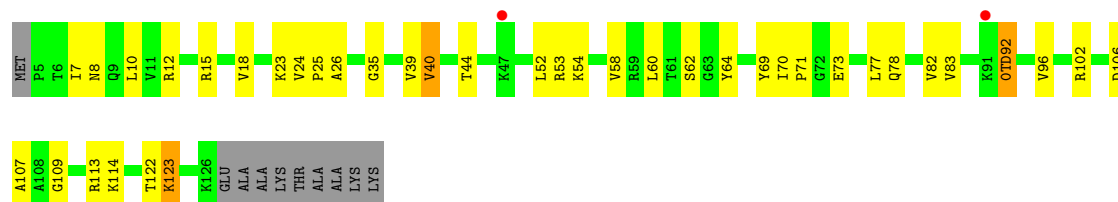


- Molecule 42: 30S ribosomal protein S11

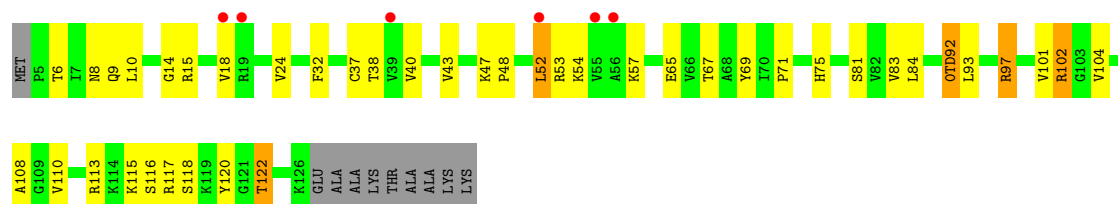




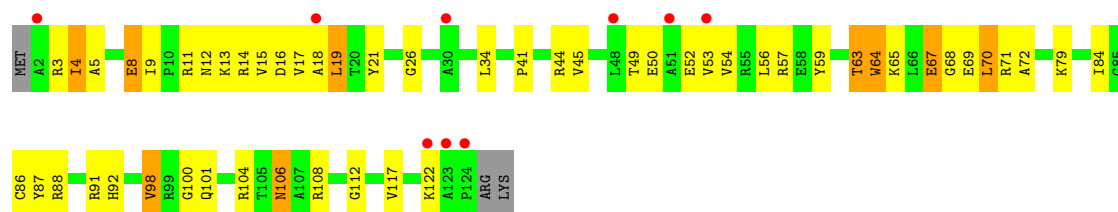
• Molecule 43: 30S ribosomal protein S12



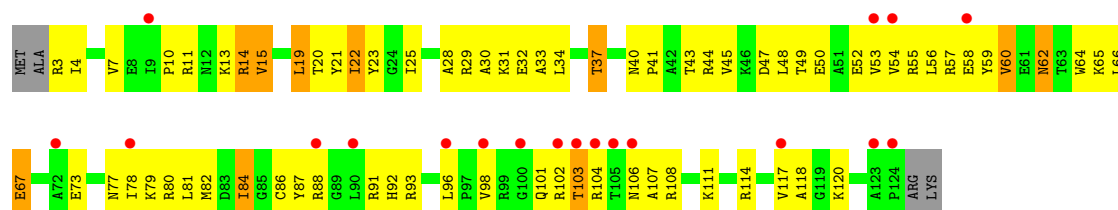
• Molecule 43: 30S ribosomal protein S12



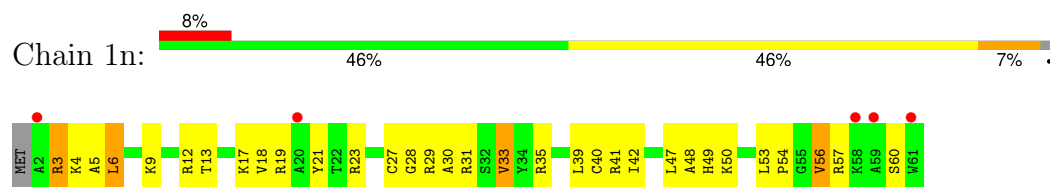
• Molecule 44: 30S ribosomal protein S13



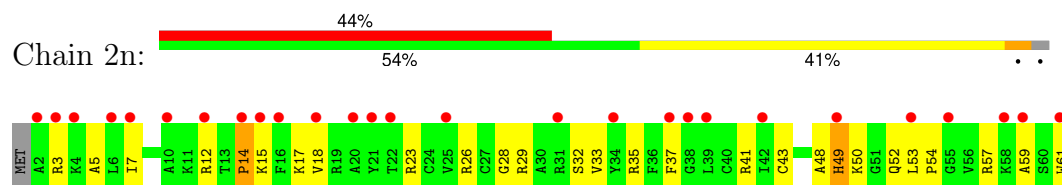
• Molecule 44: 30S ribosomal protein S13



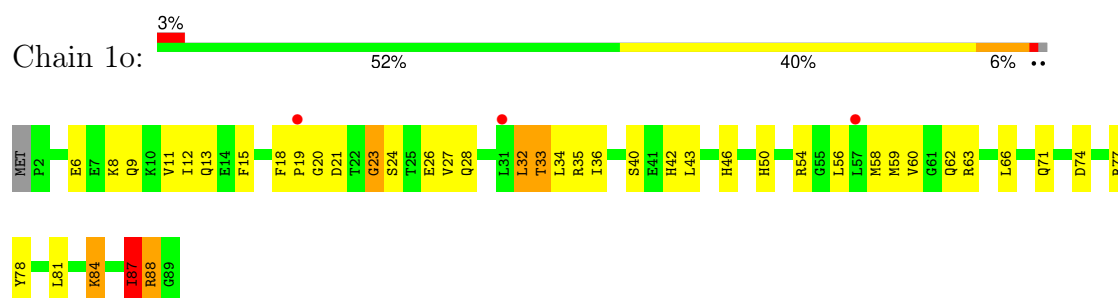
- Molecule 45: 30S ribosomal protein S14 type Z



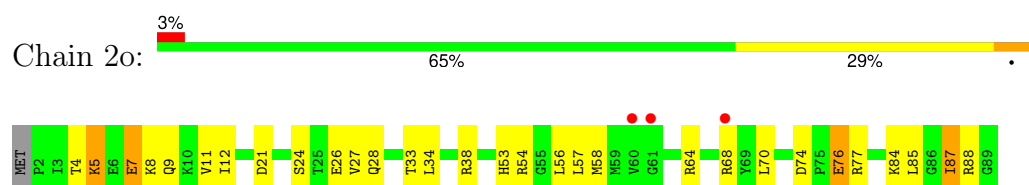
- Molecule 45: 30S ribosomal protein S14 type Z



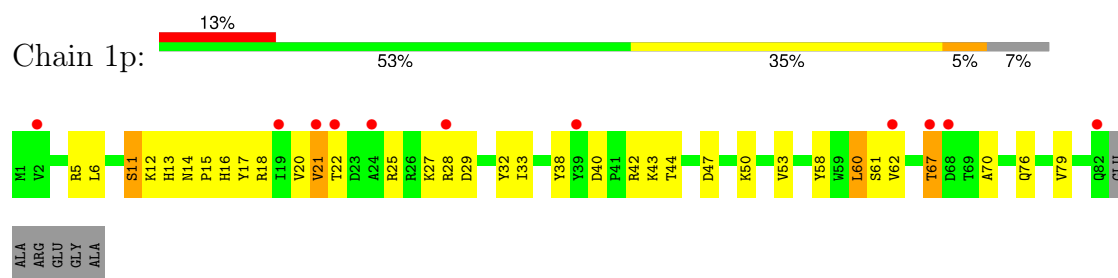
- Molecule 46: 30S ribosomal protein S15



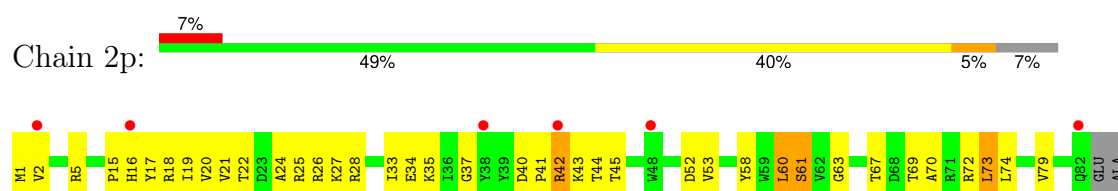
- Molecule 46: 30S ribosomal protein S15



- Molecule 47: 30S ribosomal protein S16



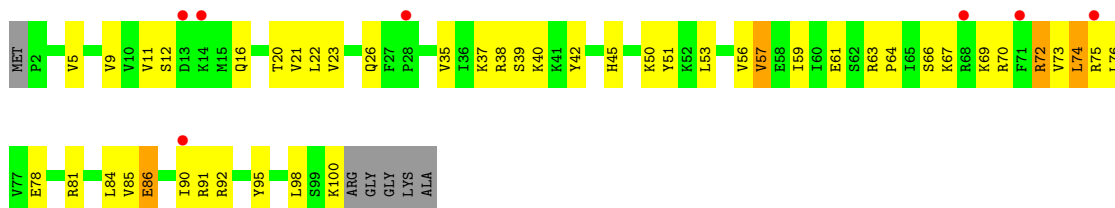
- Molecule 47: 30S ribosomal protein S16



ARG
GLU
GLY
ALA

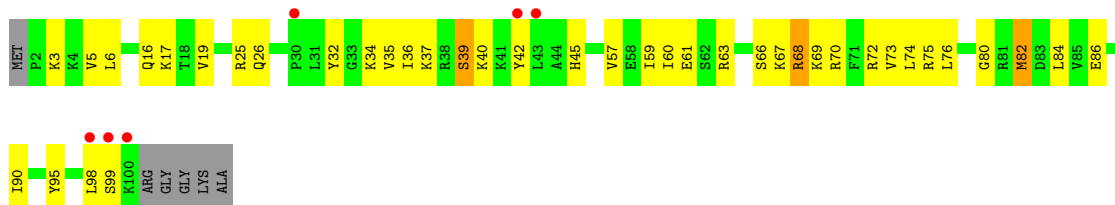
• Molecule 48: 30S ribosomal protein S17

Chain 1q: 7% 50% 40% 6%



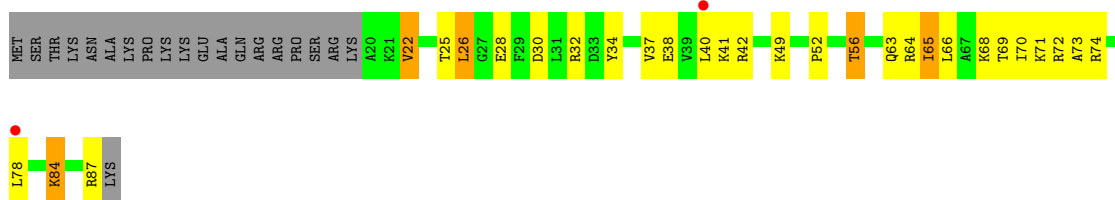
• Molecule 48: 30S ribosomal protein S17

Chain 2q: 6% 56% 35% 6%



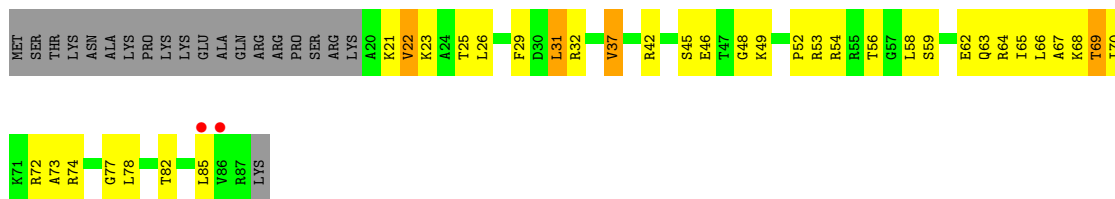
• Molecule 49: 30S ribosomal protein S18

Chain 1r: 2% 44% 27% 6% 23%



• Molecule 49: 30S ribosomal protein S18

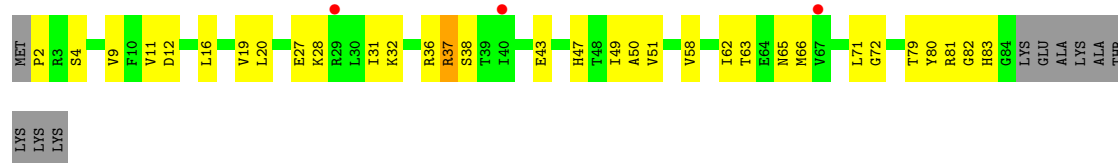
Chain 2r: 2% 36% 36% 5% 23%



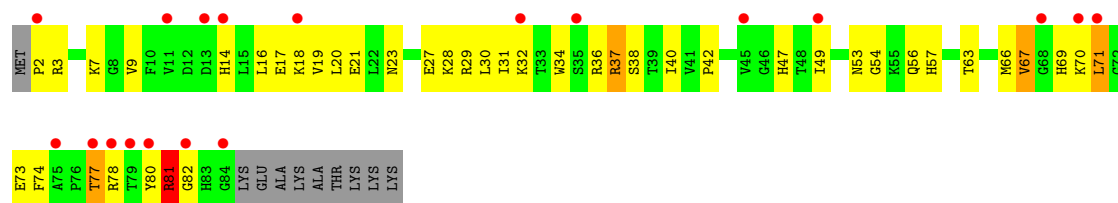
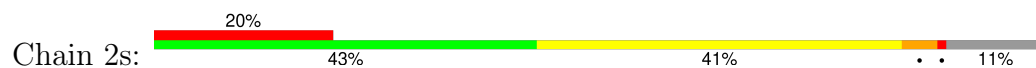
• Molecule 50: 30S ribosomal protein S19

Chain 1s: 3% 55% 33% 11%

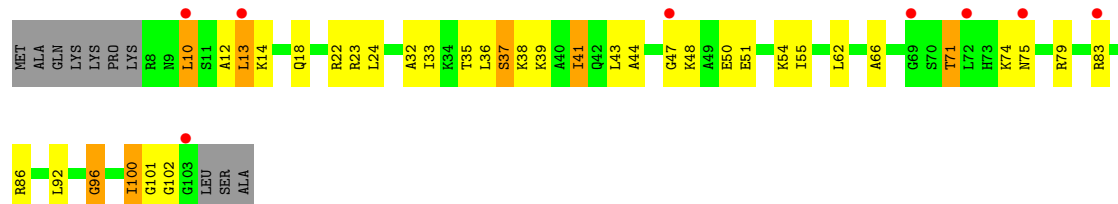




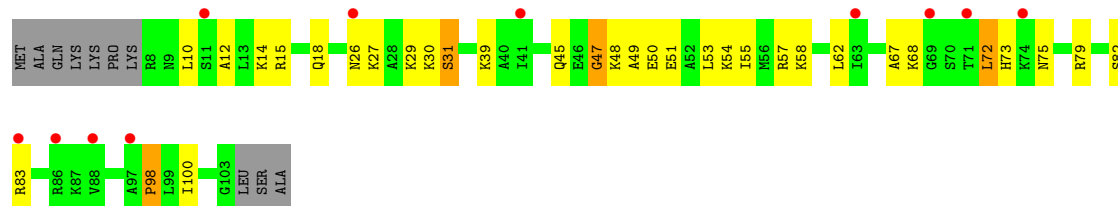
- Molecule 50: 30S ribosomal protein S19



- Molecule 51: 30S ribosomal protein S20



- Molecule 51: 30S ribosomal protein S20

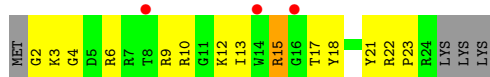


- Molecule 52: 30S ribosomal protein Thx



- Molecule 52: 30S ribosomal protein Thx

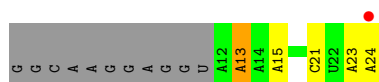
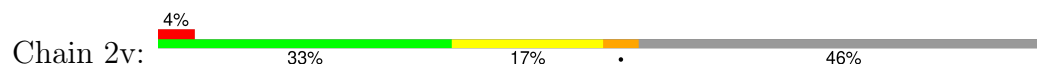




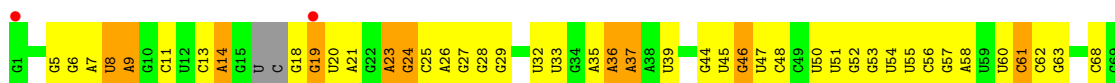
• Molecule 53: mRNA



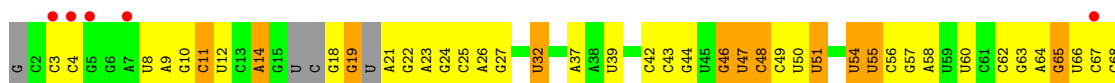
• Molecule 53: mRNA



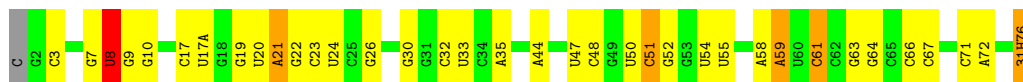
• Molecule 54: A-site tRNA



• Molecule 54: A-site tRNA

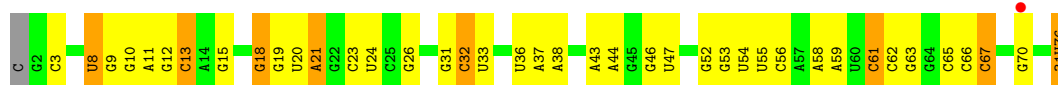


• Molecule 55: P-site tRNA

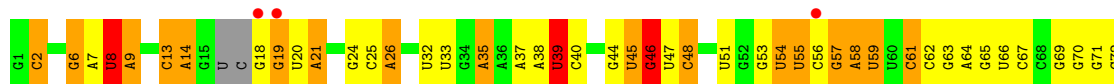


• Molecule 55: P-site tRNA

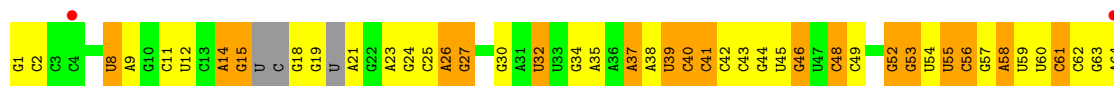
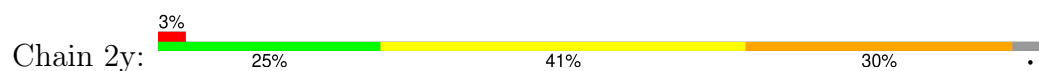




● Molecule 56: E-site tRNA



● Molecule 56: E-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	208.80Å 444.65Å 619.33Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	106.53 – 2.60 106.53 – 2.60	Depositor EDS
% Data completeness (in resolution range)	98.0 (106.53-2.60) 98.0 (106.53-2.60)	Depositor EDS
R_{merge}	0.19	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.22 (at 2.62Å)	Xtriage
Refinement program	PHENIX 1.8.2	Depositor
R, R_{free}	0.241 , 0.298 0.243 , 0.299	Depositor DCC
R_{free} test set	85661 reflections (4.92%)	wwPDB-VP
Wilson B-factor (Å ²)	54.5	Xtriage
Anisotropy	0.084	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.30 , 52.1	EDS
L-test for twinning ²	$\langle L \rangle = 0.32$, $\langle L^2 \rangle = 0.15$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.90	EDS
Total number of atoms	299665	wwPDB-VP
Average B, all atoms (Å ²)	58.0	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: 6IF, 4SU, K, SF4, MIA, UR3, 2MG, PSU, 0TD, 2MA, 5MU, 31H, M2G, 7MG, MG, MA6, OMG, 5MC, ZN, 4OC, OMU

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	0.31	1/68984 (0.0%)	0.49	1/107673 (0.0%)
1	2A	0.23	0/67268	0.42	0/104995
2	1B	0.26	0/2882	0.45	0/4494
2	2B	0.21	0/2879	0.39	0/4487
3	1D	0.31	0/2186	0.55	0/2944
3	2D	0.24	0/2186	0.48	0/2944
4	1E	0.29	0/1592	0.51	0/2149
4	2E	0.23	0/1592	0.45	0/2149
5	1F	0.27	0/1619	0.52	0/2193
5	2F	0.24	0/1615	0.48	2/2188 (0.1%)
6	1G	0.23	0/1448	0.48	1/1957 (0.1%)
6	2G	0.21	0/1453	0.46	0/1963
7	1H	0.24	0/1356	0.44	0/1834
7	2H	0.20	0/1356	0.40	0/1834
8	1I	0.20	0/1112	0.43	0/1514
8	2I	0.21	0/1079	0.45	0/1475
9	1N	0.27	0/1144	0.49	0/1543
9	2N	0.20	0/1144	0.42	0/1543
10	1O	0.28	0/943	0.47	0/1269
10	2O	0.22	0/943	0.44	0/1269
11	1P	0.28	0/1152	0.59	0/1533
11	2P	0.23	0/1152	0.48	0/1533
12	1Q	0.29	0/1143	0.50	0/1527
12	2Q	0.21	0/1143	0.44	0/1527
13	1R	0.31	0/982	0.50	0/1312
13	2R	0.22	0/982	0.48	0/1312
14	1S	0.24	0/883	0.46	0/1176
14	2S	0.22	0/880	0.47	0/1172
15	1T	0.27	0/1105	0.51	0/1477
15	2T	0.21	0/1097	0.45	1/1468 (0.1%)
16	1U	0.31	0/977	0.48	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2U	0.23	0/977	0.44	0/1301
17	1V	0.28	0/782	0.54	0/1049
17	2V	0.20	0/782	0.43	0/1049
18	1W	0.33	0/897	0.50	0/1205
18	2W	0.23	0/897	0.41	0/1205
19	1X	0.28	0/764	0.55	2/1025 (0.2%)
19	2X	0.22	0/764	0.51	2/1025 (0.2%)
20	1Y	0.25	0/819	0.47	0/1095
20	2Y	0.21	0/819	0.42	0/1095
21	1Z	0.25	0/1267	0.53	0/1717
21	2Z	0.22	0/1299	0.47	0/1763
22	10	0.30	0/662	0.55	0/881
22	20	0.23	0/662	0.45	0/881
23	11	0.29	0/762	0.46	0/1014
23	21	0.23	0/762	0.44	0/1014
24	12	0.29	0/590	0.49	0/781
24	22	0.20	0/590	0.40	0/781
25	13	0.29	0/474	0.48	0/635
25	23	0.21	0/469	0.45	0/630
26	14	0.26	0/565	0.57	0/761
26	24	0.25	0/545	0.52	0/737
27	15	0.29	0/469	0.53	0/635
27	25	0.24	0/469	0.47	0/635
28	16	0.32	0/460	0.56	0/613
28	26	0.25	0/456	0.47	0/608
29	17	0.31	0/426	0.53	0/561
29	27	0.27	0/426	0.50	0/561
30	18	0.28	0/525	0.52	0/691
30	28	0.21	0/525	0.39	0/691
31	19	0.27	0/310	0.49	0/407
31	29	0.20	0/310	0.40	0/407
32	1a	0.22	0/35795	0.41	0/55864
32	2a	0.21	0/35886	0.40	0/56005
33	1b	0.21	0/1881	0.49	0/2542
33	2b	0.23	0/1860	0.52	1/2518 (0.0%)
34	1c	0.20	0/1572	0.45	0/2126
34	2c	0.22	0/1566	0.46	0/2119
35	1d	0.20	0/1685	0.44	0/2262
35	2d	0.21	0/1704	0.45	0/2284
36	1e	0.22	0/1145	0.47	0/1543
36	2e	0.20	0/1149	0.47	0/1548
37	1f	0.21	0/823	0.42	0/1115
37	2f	0.21	0/829	0.44	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1g	0.19	0/1250	0.41	0/1679
38	2g	0.20	0/1254	0.43	0/1683
39	1h	0.22	0/1108	0.45	0/1494
39	2h	0.18	0/1108	0.41	0/1494
40	1i	0.20	0/1002	0.50	0/1346
40	2i	0.20	0/997	0.47	0/1343
41	1j	0.27	0/722	0.50	0/982
41	2j	0.23	0/727	0.49	0/988
42	1k	0.21	0/844	0.44	0/1145
42	2k	0.19	0/848	0.42	0/1149
43	1l	0.23	0/937	0.46	0/1260
43	2l	0.20	0/937	0.44	0/1260
44	1m	0.22	0/969	0.50	0/1302
44	2m	0.24	0/961	0.54	1/1291 (0.1%)
45	1n	0.23	0/501	0.45	0/664
45	2n	0.22	0/501	0.44	0/664
46	1o	0.21	0/739	0.39	0/985
46	2o	0.18	0/739	0.40	0/985
47	1p	0.24	0/697	0.51	0/939
47	2p	0.20	0/693	0.46	0/935
48	1q	0.20	0/836	0.42	0/1117
48	2q	0.20	0/836	0.46	0/1117
49	1r	0.20	0/560	0.45	0/746
49	2r	0.19	0/560	0.41	0/746
50	1s	0.23	0/667	0.53	0/900
50	2s	0.24	0/661	0.57	0/893
51	1t	0.21	0/730	0.46	0/965
51	2t	0.22	0/729	0.45	0/965
52	1u	0.19	0/203	0.42	0/266
52	2u	0.22	0/203	0.48	0/266
53	1v	0.23	0/310	0.38	0/480
53	2v	0.19	0/310	0.39	0/480
54	1w	0.28	1/1559 (0.1%)	0.45	0/2424
54	2w	0.27	0/1509	0.45	0/2345
55	1x	0.31	0/1700	0.44	0/2650
55	2x	0.26	0/1700	0.41	0/2650
56	1y	0.25	1/1606 (0.1%)	0.45	0/2497
56	2y	0.25	1/1583 (0.1%)	0.43	0/2459
All	All	0.25	4/316492 (0.0%)	0.45	11/473811 (0.0%)

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

sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
33	1b	0	2

All (4) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	2552	OMU	O3'-P	5.17	1.61	1.56
56	1y	8	4SU	O3'-P	5.15	1.61	1.56
56	2y	8	4SU	O3'-P	5.04	1.61	1.56
54	1w	8	4SU	O3'-P	5.04	1.61	1.56

The worst 5 of 11 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
44	2m	84	ILE	N-CA-C	-6.67	104.65	112.98
1	1A	1992	G	C2'-C3'-O3'	6.44	119.16	109.50
33	2b	12	GLU	N-CA-C	-6.17	107.58	114.62
6	1G	48	GLU	N-CA-C	-5.78	108.03	114.62
5	2F	21	ALA	CA-C-N	5.58	131.75	121.70

There are no chirality outliers.

All (2) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
33	1b	125	PRO	Peptide
33	1b	130	ARG	Peptide

5.2 Too-close contacts [i](#)

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	61854	0	31192	1063	0
1	2A	60324	0	30421	1224	0
2	1B	2577	0	1305	43	0
2	2B	2575	0	1303	66	0
3	1D	2136	0	2218	56	0
3	2D	2136	0	2218	55	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
4	1E	1559	0	1618	50	0
4	2E	1559	0	1618	53	0
5	1F	1584	0	1624	57	0
5	2F	1580	0	1619	65	0
6	1G	1423	0	1436	53	0
6	2G	1428	0	1438	60	0
7	1H	1330	0	1407	38	0
7	2H	1330	0	1407	40	0
8	1I	1097	0	1140	38	0
8	2I	1064	0	1082	59	0
9	1N	1117	0	1184	27	0
9	2N	1117	0	1184	33	0
10	1O	933	0	996	24	0
10	2O	933	0	996	36	0
11	1P	1135	0	1212	56	0
11	2P	1135	0	1212	47	0
12	1Q	1122	0	1179	33	0
12	2Q	1122	0	1179	47	0
13	1R	968	0	1033	26	0
13	2R	968	0	1033	45	0
14	1S	873	0	927	27	0
14	2S	870	0	923	50	0
15	1T	1091	0	1151	25	0
15	2T	1083	0	1136	39	0
16	1U	959	0	1018	17	0
16	2U	959	0	1019	29	0
17	1V	771	0	829	17	0
17	2V	771	0	830	25	0
18	1W	886	0	940	24	0
18	2W	886	0	940	22	0
19	1X	750	0	814	17	0
19	2X	750	0	814	23	0
20	1Y	806	0	881	28	0
20	2Y	806	0	881	24	0
21	1Z	1240	0	1240	43	0
21	2Z	1271	0	1273	53	0
22	10	653	0	674	22	0
22	20	653	0	674	20	0
23	11	755	0	826	19	0
23	21	755	0	826	24	0
24	12	588	0	643	20	0
24	22	588	0	643	18	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
25	13	469	0	518	16	0
25	23	464	0	514	11	0
26	14	552	0	533	32	0
26	24	532	0	503	33	0
27	15	455	0	465	13	0
27	25	455	0	465	10	0
28	16	453	0	473	18	0
28	26	449	0	469	18	0
29	17	418	0	467	15	0
29	27	418	0	467	21	0
30	18	517	0	582	20	0
30	28	517	0	582	27	0
31	19	307	0	335	9	0
31	29	307	0	335	12	0
32	1a	32246	0	16294	602	0
32	2a	32327	0	16338	736	0
33	1b	1846	0	1867	79	0
33	2b	1825	0	1828	98	0
34	1c	1548	0	1535	52	0
34	2c	1542	0	1517	81	0
35	1d	1655	0	1672	58	0
35	2d	1674	0	1714	84	0
36	1e	1129	0	1185	44	0
36	2e	1133	0	1191	67	0
37	1f	810	0	804	23	0
37	2f	816	0	808	42	0
38	1g	1231	0	1238	31	0
38	2g	1235	0	1249	61	0
39	1h	1088	0	1126	61	0
39	2h	1088	0	1126	48	0
40	1i	983	0	986	44	0
40	2i	978	0	966	49	0
41	1j	709	0	650	41	0
41	2j	714	0	672	36	0
42	1k	829	0	825	25	0
42	2k	833	0	836	33	0
43	1l	932	0	981	24	0
43	2l	932	0	980	28	0
44	1m	958	0	1002	43	0
44	2m	950	0	988	55	0
45	1n	492	0	529	31	0
45	2n	492	0	529	28	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
46	1o	728	0	760	24	0
46	2o	728	0	760	22	0
47	1p	681	0	697	25	0
47	2p	677	0	686	27	0
48	1q	823	0	891	33	0
48	2q	823	0	891	27	0
49	1r	555	0	618	21	0
49	2r	555	0	618	32	0
50	1s	652	0	662	27	0
50	2s	646	0	644	32	0
51	1t	728	0	798	27	0
51	2t	727	0	796	23	0
52	1u	199	0	208	9	0
52	2u	199	0	208	16	0
53	1v	277	0	140	3	0
53	2v	277	0	140	6	0
54	1w	1550	0	796	24	0
54	2w	1502	0	766	26	0
55	1x	1635	0	839	16	0
55	2x	1635	0	839	26	0
56	1y	1585	0	804	28	0
56	2y	1565	0	795	34	0
57	10	9	0	0	0	0
57	11	6	0	0	0	0
57	12	2	0	0	0	0
57	13	8	0	0	0	0
57	14	1	0	0	0	0
57	15	9	0	0	0	0
57	16	1	0	0	0	0
57	17	8	0	0	0	0
57	18	5	0	0	0	0
57	19	1	0	0	0	0
57	1A	1087	0	0	0	0
57	1B	34	0	0	0	0
57	1D	12	0	0	0	0
57	1E	14	0	0	0	0
57	1F	15	0	0	0	0
57	1G	5	0	0	0	0
57	1I	1	0	0	0	0
57	1N	6	0	0	0	0
57	1O	4	0	0	0	0
57	1P	5	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
57	1Q	6	0	0	0	0
57	1R	6	0	0	0	0
57	1S	3	0	0	0	0
57	1T	5	0	0	0	0
57	1U	9	0	0	0	0
57	1V	6	0	0	0	0
57	1W	10	0	0	0	0
57	1X	7	0	0	0	0
57	1Y	3	0	0	0	0
57	1Z	5	0	0	0	0
57	1a	211	0	0	0	0
57	1b	1	0	0	0	0
57	1e	1	0	0	0	0
57	1f	2	0	0	0	0
57	1h	1	0	0	0	0
57	1k	1	0	0	0	0
57	1l	2	0	0	0	0
57	1m	1	0	0	0	0
57	1n	2	0	0	0	0
57	1p	1	0	0	0	0
57	1t	1	0	0	0	0
57	1v	2	0	0	0	0
57	1w	9	0	0	0	0
57	1x	15	0	0	0	0
57	1y	1	0	0	0	0
57	20	2	0	0	0	0
57	21	2	0	0	0	0
57	23	2	0	0	0	0
57	25	4	0	0	0	0
57	26	1	0	0	0	0
57	27	2	0	0	0	0
57	28	3	0	0	0	0
57	2A	855	0	0	0	0
57	2B	19	0	0	0	0
57	2D	5	0	0	0	0
57	2E	8	0	0	0	0
57	2F	8	0	0	0	0
57	2G	1	0	0	0	0
57	2N	1	0	0	0	0
57	2O	1	0	0	0	0
57	2P	3	0	0	0	0
57	2Q	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
57	2R	2	0	0	0	0
57	2T	5	0	0	0	0
57	2U	2	0	0	0	0
57	2V	2	0	0	0	0
57	2X	3	0	0	0	0
57	2Z	1	0	0	0	0
57	2a	230	0	0	0	0
57	2d	1	0	0	0	0
57	2e	1	0	0	0	0
57	2f	2	0	0	0	0
57	2g	1	0	0	0	0
57	2j	1	0	0	0	0
57	2k	1	0	0	0	0
57	2l	4	0	0	0	0
57	2m	1	0	0	0	0
57	2q	2	0	0	0	0
57	2r	1	0	0	0	0
57	2t	1	0	0	0	0
57	2v	2	0	0	0	0
57	2w	9	0	0	0	0
57	2x	6	0	0	0	0
57	2y	6	0	0	0	0
58	1A	1	0	0	0	0
58	2A	1	0	0	0	0
59	1A	32	0	0	3	0
59	2A	32	0	0	3	0
60	14	1	0	0	0	0
60	15	1	0	0	0	0
60	16	1	0	0	0	0
60	19	1	0	0	0	0
60	1Y	1	0	0	0	0
60	1n	1	0	0	0	0
60	24	1	0	0	0	0
60	25	1	0	0	0	0
60	26	1	0	0	0	0
60	29	1	0	0	0	0
60	2Y	1	0	0	0	0
60	2n	1	0	0	0	0
61	1d	8	0	0	3	0
61	2d	8	0	0	6	0
62	10	11	0	0	0	0
62	11	13	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
62	12	4	0	0	0	0
62	13	3	0	0	0	0
62	14	1	0	0	0	0
62	15	5	0	0	0	0
62	16	3	0	0	1	0
62	17	10	0	0	1	0
62	18	9	0	0	0	0
62	19	1	0	0	0	0
62	1A	1910	0	0	158	0
62	1B	61	0	0	4	0
62	1D	28	0	0	1	0
62	1E	29	0	0	4	0
62	1F	18	0	0	2	0
62	1G	2	0	0	1	0
62	1H	1	0	0	0	0
62	1I	1	0	0	0	0
62	1N	6	0	0	2	0
62	1O	4	0	0	0	0
62	1P	24	0	0	3	0
62	1Q	8	0	0	1	0
62	1R	11	0	0	2	0
62	1S	6	0	0	0	0
62	1T	7	0	0	0	0
62	1U	13	0	0	1	0
62	1V	8	0	0	0	0
62	1W	7	0	0	1	0
62	1X	6	0	0	0	0
62	1Y	3	0	0	1	0
62	1Z	1	0	0	0	0
62	1a	313	0	0	36	0
62	1b	1	0	0	0	0
62	1e	1	0	0	1	0
62	1j	1	0	0	0	0
62	1l	5	0	0	0	0
62	1m	2	0	0	0	0
62	1n	1	0	0	0	0
62	1q	2	0	0	0	0
62	1u	1	0	0	0	0
62	1v	4	0	0	0	0
62	1w	9	0	0	0	0
62	1x	12	0	0	1	0
62	1y	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
62	20	4	0	0	0	0
62	21	8	0	0	1	0
62	23	1	0	0	0	0
62	25	1	0	0	0	0
62	27	4	0	0	0	0
62	28	2	0	0	0	0
62	29	1	0	0	0	0
62	2A	1010	0	0	120	0
62	2B	21	0	0	1	0
62	2D	15	0	0	2	0
62	2E	12	0	0	3	0
62	2F	13	0	0	1	0
62	2I	2	0	0	0	0
62	2O	2	0	0	0	0
62	2P	10	0	0	1	0
62	2Q	1	0	0	0	0
62	2R	3	0	0	0	0
62	2T	5	0	0	1	0
62	2U	3	0	0	0	0
62	2W	1	0	0	0	0
62	2X	3	0	0	1	0
62	2Y	1	0	0	0	0
62	2a	181	0	0	21	0
62	2d	1	0	0	0	0
62	2j	3	0	0	0	0
62	2l	5	0	0	1	0
62	2p	3	0	0	0	0
62	2q	1	0	0	0	0
62	2r	1	0	0	1	0
62	2t	2	0	0	0	0
62	2v	4	0	0	0	0
62	2w	1	0	0	0	0
62	2x	3	0	0	1	0
62	2y	4	0	0	0	0
All	All	299665	0	196656	6412	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 14.

The worst 5 of 6412 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)
1:1A:1082:U:H3	1:1A:1086:A:N6	1.29	1.30
1:1A:2106:G:H1	1:1A:2183:C:N4	1.54	1.06
35:1d:26:CYS:HB3	61:1d:501:SF4:S1	1.94	1.06
1:1A:1082:U:O4	1:1A:1086:A:N1	1.93	1.01
1:1A:1054:A:N6	1:1A:1105:U:H3	1.58	1.01

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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%)	251 (92%)	19 (7%)	3 (1%)	11	25
3	2D	273/276 (99%)	250 (92%)	22 (8%)	1 (0%)	30	51
4	1E	202/206 (98%)	190 (94%)	10 (5%)	2 (1%)	12	28
4	2E	202/206 (98%)	186 (92%)	14 (7%)	2 (1%)	12	28
5	1F	201/210 (96%)	192 (96%)	8 (4%)	1 (0%)	24	46
5	2F	201/210 (96%)	184 (92%)	15 (8%)	2 (1%)	12	28
6	1G	179/182 (98%)	154 (86%)	22 (12%)	3 (2%)	7	15
6	2G	179/182 (98%)	149 (83%)	24 (13%)	6 (3%)	3	4
7	1H	172/180 (96%)	157 (91%)	14 (8%)	1 (1%)	21	42
7	2H	172/180 (96%)	153 (89%)	19 (11%)	0	100	100
8	1I	144/148 (97%)	128 (89%)	16 (11%)	0	100	100
8	2I	144/148 (97%)	119 (83%)	24 (17%)	1 (1%)	18	38
9	1N	138/140 (99%)	129 (94%)	9 (6%)	0	100	100
9	2N	138/140 (99%)	130 (94%)	8 (6%)	0	100	100
10	1O	120/122 (98%)	111 (92%)	9 (8%)	0	100	100
10	2O	120/122 (98%)	106 (88%)	13 (11%)	1 (1%)	16	34

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	1P	147/150 (98%)	128 (87%)	14 (10%)	5 (3%)	3	4
11	2P	147/150 (98%)	129 (88%)	14 (10%)	4 (3%)	4	7
12	1Q	139/141 (99%)	128 (92%)	11 (8%)	0	100	100
12	2Q	139/141 (99%)	121 (87%)	18 (13%)	0	100	100
13	1R	116/118 (98%)	109 (94%)	6 (5%)	1 (1%)	14	30
13	2R	116/118 (98%)	106 (91%)	10 (9%)	0	100	100
14	1S	108/112 (96%)	103 (95%)	5 (5%)	0	100	100
14	2S	108/112 (96%)	98 (91%)	9 (8%)	1 (1%)	14	30
15	1T	129/146 (88%)	115 (89%)	13 (10%)	1 (1%)	16	34
15	2T	129/146 (88%)	114 (88%)	14 (11%)	1 (1%)	16	34
16	1U	114/118 (97%)	112 (98%)	2 (2%)	0	100	100
16	2U	114/118 (97%)	109 (96%)	5 (4%)	0	100	100
17	1V	99/101 (98%)	91 (92%)	7 (7%)	1 (1%)	12	28
17	2V	99/101 (98%)	90 (91%)	7 (7%)	2 (2%)	6	12
18	1W	110/113 (97%)	109 (99%)	1 (1%)	0	100	100
18	2W	110/113 (97%)	102 (93%)	7 (6%)	1 (1%)	14	30
19	1X	93/96 (97%)	86 (92%)	6 (6%)	1 (1%)	11	25
19	2X	93/96 (97%)	86 (92%)	6 (6%)	1 (1%)	11	25
20	1Y	105/110 (96%)	95 (90%)	10 (10%)	0	100	100
20	2Y	105/110 (96%)	100 (95%)	5 (5%)	0	100	100
21	1Z	148/206 (72%)	127 (86%)	19 (13%)	2 (1%)	9	19
21	2Z	156/206 (76%)	130 (83%)	24 (15%)	2 (1%)	9	21
22	10	81/85 (95%)	78 (96%)	3 (4%)	0	100	100
22	20	81/85 (95%)	77 (95%)	2 (2%)	2 (2%)	4	8
23	11	95/98 (97%)	90 (95%)	4 (4%)	1 (1%)	11	25
23	21	95/98 (97%)	91 (96%)	4 (4%)	0	100	100
24	12	68/72 (94%)	64 (94%)	4 (6%)	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%)	52 (91%)	4 (7%)	1 (2%)	6	14
26	14	67/71 (94%)	53 (79%)	10 (15%)	4 (6%)	1	1

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
26	24	67/71 (94%)	46 (69%)	16 (24%)	5 (8%)	1	1
27	15	57/60 (95%)	57 (100%)	0	0	100	100
27	25	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
28	16	51/54 (94%)	49 (96%)	2 (4%)	0	100	100
28	26	51/54 (94%)	48 (94%)	3 (6%)	0	100	100
29	17	46/49 (94%)	45 (98%)	1 (2%)	0	100	100
29	27	46/49 (94%)	44 (96%)	2 (4%)	0	100	100
30	18	62/65 (95%)	61 (98%)	1 (2%)	0	100	100
30	28	62/65 (95%)	58 (94%)	4 (6%)	0	100	100
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	33 (94%)	2 (6%)	0	100	100
33	1b	229/256 (90%)	184 (80%)	37 (16%)	8 (4%)	3	4
33	2b	229/256 (90%)	185 (81%)	36 (16%)	8 (4%)	3	4
34	1c	204/239 (85%)	177 (87%)	25 (12%)	2 (1%)	12	28
34	2c	204/239 (85%)	168 (82%)	34 (17%)	2 (1%)	12	28
35	1d	206/209 (99%)	189 (92%)	15 (7%)	2 (1%)	12	28
35	2d	206/209 (99%)	184 (89%)	21 (10%)	1 (0%)	24	46
36	1e	146/162 (90%)	132 (90%)	12 (8%)	2 (1%)	9	19
36	2e	146/162 (90%)	119 (82%)	22 (15%)	5 (3%)	3	4
37	1f	98/101 (97%)	89 (91%)	9 (9%)	0	100	100
37	2f	98/101 (97%)	87 (89%)	11 (11%)	0	100	100
38	1g	153/156 (98%)	139 (91%)	13 (8%)	1 (1%)	18	38
38	2g	153/156 (98%)	134 (88%)	17 (11%)	2 (1%)	9	21
39	1h	135/138 (98%)	123 (91%)	12 (9%)	0	100	100
39	2h	135/138 (98%)	124 (92%)	10 (7%)	1 (1%)	18	38
40	1i	125/128 (98%)	111 (89%)	13 (10%)	1 (1%)	16	34
40	2i	125/128 (98%)	109 (87%)	16 (13%)	0	100	100
41	1j	95/105 (90%)	84 (88%)	6 (6%)	5 (5%)	1	1
41	2j	94/105 (90%)	77 (82%)	14 (15%)	3 (3%)	3	5
42	1k	112/129 (87%)	95 (85%)	16 (14%)	1 (1%)	14	30
42	2k	112/129 (87%)	91 (81%)	18 (16%)	3 (3%)	4	7

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
43	1l	119/132 (90%)	110 (92%)	9 (8%)	0	100	100
43	2l	119/132 (90%)	108 (91%)	11 (9%)	0	100	100
44	1m	121/126 (96%)	109 (90%)	10 (8%)	2 (2%)	7	15
44	2m	120/126 (95%)	99 (82%)	21 (18%)	0	100	100
45	1n	58/61 (95%)	55 (95%)	3 (5%)	0	100	100
45	2n	58/61 (95%)	49 (84%)	8 (14%)	1 (2%)	7	15
46	1o	86/89 (97%)	76 (88%)	6 (7%)	4 (5%)	2	2
46	2o	86/89 (97%)	81 (94%)	5 (6%)	0	100	100
47	1p	80/88 (91%)	70 (88%)	9 (11%)	1 (1%)	9	21
47	2p	80/88 (91%)	71 (89%)	8 (10%)	1 (1%)	9	21
48	1q	97/105 (92%)	88 (91%)	8 (8%)	1 (1%)	12	28
48	2q	97/105 (92%)	86 (89%)	10 (10%)	1 (1%)	12	28
49	1r	66/88 (75%)	60 (91%)	5 (8%)	1 (2%)	8	18
49	2r	66/88 (75%)	57 (86%)	9 (14%)	0	100	100
50	1s	81/93 (87%)	69 (85%)	11 (14%)	1 (1%)	10	23
50	2s	81/93 (87%)	66 (82%)	14 (17%)	1 (1%)	10	23
51	1t	94/106 (89%)	86 (92%)	6 (6%)	2 (2%)	5	11
51	2t	94/106 (89%)	82 (87%)	10 (11%)	2 (2%)	5	11
52	1u	21/27 (78%)	19 (90%)	2 (10%)	0	100	100
52	2u	21/27 (78%)	19 (90%)	0	2 (10%)	0	0
All	All	11370/12128 (94%)	10197 (90%)	1047 (9%)	126 (1%)	11	25

5 of 126 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
5	1F	130	ALA
11	1P	29	LYS
11	1P	45	LEU
21	1Z	53	ILE
23	11	3	LYS

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%)	204 (95%)	11 (5%)	21	45
3	2D	215/218 (99%)	201 (94%)	14 (6%)	15	35
4	1E	164/166 (99%)	154 (94%)	10 (6%)	17	37
4	2E	164/166 (99%)	150 (92%)	14 (8%)	10	22
5	1F	160/166 (96%)	140 (88%)	20 (12%)	4	9
5	2F	159/166 (96%)	140 (88%)	19 (12%)	5	10
6	1G	143/156 (92%)	126 (88%)	17 (12%)	5	10
6	2G	143/156 (92%)	127 (89%)	16 (11%)	6	12
7	1H	144/148 (97%)	133 (92%)	11 (8%)	12	27
7	2H	144/148 (97%)	128 (89%)	16 (11%)	6	12
8	1I	113/124 (91%)	99 (88%)	14 (12%)	4	9
8	2I	105/124 (85%)	79 (75%)	26 (25%)	1	1
9	1N	118/119 (99%)	104 (88%)	14 (12%)	5	10
9	2N	118/119 (99%)	105 (89%)	13 (11%)	6	13
10	1O	100/100 (100%)	95 (95%)	5 (5%)	22	46
10	2O	100/100 (100%)	88 (88%)	12 (12%)	5	10
11	1P	115/116 (99%)	104 (90%)	11 (10%)	8	17
11	2P	115/116 (99%)	103 (90%)	12 (10%)	7	14
12	1Q	111/111 (100%)	106 (96%)	5 (4%)	24	50
12	2Q	111/111 (100%)	103 (93%)	8 (7%)	13	30
13	1R	101/101 (100%)	93 (92%)	8 (8%)	11	26
13	2R	101/101 (100%)	95 (94%)	6 (6%)	18	38
14	1S	86/88 (98%)	74 (86%)	12 (14%)	3	6
14	2S	85/88 (97%)	69 (81%)	16 (19%)	1	2
15	1T	115/127 (91%)	106 (92%)	9 (8%)	11	26
15	2T	113/127 (89%)	97 (86%)	16 (14%)	3	6
16	1U	93/94 (99%)	87 (94%)	6 (6%)	15	35
16	2U	93/94 (99%)	87 (94%)	6 (6%)	15	35
17	1V	80/82 (98%)	70 (88%)	10 (12%)	4	9

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
17	2V	80/82 (98%)	70 (88%)	10 (12%)	4	9
18	1W	90/92 (98%)	82 (91%)	8 (9%)	9	20
18	2W	90/92 (98%)	83 (92%)	7 (8%)	11	26
19	1X	77/78 (99%)	75 (97%)	2 (3%)	40	68
19	2X	77/78 (99%)	74 (96%)	3 (4%)	28	55
20	1Y	85/91 (93%)	75 (88%)	10 (12%)	5	10
20	2Y	85/91 (93%)	75 (88%)	10 (12%)	5	10
21	1Z	135/179 (75%)	119 (88%)	16 (12%)	5	10
21	2Z	137/179 (76%)	117 (85%)	20 (15%)	3	6
22	10	65/67 (97%)	64 (98%)	1 (2%)	57	80
22	20	65/67 (97%)	61 (94%)	4 (6%)	16	36
23	11	80/83 (96%)	75 (94%)	5 (6%)	16	36
23	21	80/83 (96%)	77 (96%)	3 (4%)	29	56
24	12	65/67 (97%)	62 (95%)	3 (5%)	24	49
24	22	65/67 (97%)	60 (92%)	5 (8%)	12	27
25	13	51/52 (98%)	40 (78%)	11 (22%)	1	2
25	23	50/52 (96%)	47 (94%)	3 (6%)	17	37
26	14	59/63 (94%)	53 (90%)	6 (10%)	7	15
26	24	53/63 (84%)	40 (76%)	13 (24%)	1	1
27	15	50/52 (96%)	45 (90%)	5 (10%)	7	16
27	25	50/52 (96%)	45 (90%)	5 (10%)	7	16
28	16	51/52 (98%)	44 (86%)	7 (14%)	3	7
28	26	50/52 (96%)	45 (90%)	5 (10%)	7	16
29	17	41/42 (98%)	39 (95%)	2 (5%)	22	47
29	27	41/42 (98%)	36 (88%)	5 (12%)	5	10
30	18	54/55 (98%)	50 (93%)	4 (7%)	13	29
30	28	54/55 (98%)	52 (96%)	2 (4%)	30	57
31	19	34/34 (100%)	33 (97%)	1 (3%)	37	65
31	29	34/34 (100%)	33 (97%)	1 (3%)	37	65
33	1b	192/220 (87%)	162 (84%)	30 (16%)	2	4
33	2b	187/220 (85%)	153 (82%)	34 (18%)	2	3

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
34	1c	142/188 (76%)	128 (90%)	14 (10%)	7	16
34	2c	140/188 (74%)	124 (89%)	16 (11%)	5	11
35	1d	169/181 (93%)	144 (85%)	25 (15%)	3	6
35	2d	173/181 (96%)	151 (87%)	22 (13%)	4	9
36	1e	113/123 (92%)	93 (82%)	20 (18%)	2	3
36	2e	114/123 (93%)	99 (87%)	15 (13%)	4	8
37	1f	84/90 (93%)	73 (87%)	11 (13%)	4	8
37	2f	85/90 (94%)	76 (89%)	9 (11%)	6	14
38	1g	119/127 (94%)	105 (88%)	14 (12%)	5	10
38	2g	120/127 (94%)	101 (84%)	19 (16%)	2	4
39	1h	114/119 (96%)	100 (88%)	14 (12%)	4	9
39	2h	114/119 (96%)	99 (87%)	15 (13%)	4	8
40	1i	90/99 (91%)	78 (87%)	12 (13%)	4	8
40	2i	89/99 (90%)	75 (84%)	14 (16%)	2	4
41	1j	66/92 (72%)	59 (89%)	7 (11%)	6	14
41	2j	69/92 (75%)	57 (83%)	12 (17%)	2	3
42	1k	82/99 (83%)	72 (88%)	10 (12%)	5	10
42	2k	83/99 (84%)	71 (86%)	12 (14%)	3	6
43	1l	96/108 (89%)	87 (91%)	9 (9%)	8	18
43	2l	96/108 (89%)	87 (91%)	9 (9%)	8	18
44	1m	93/101 (92%)	82 (88%)	11 (12%)	5	10
44	2m	92/101 (91%)	77 (84%)	15 (16%)	2	4
45	1n	49/50 (98%)	41 (84%)	8 (16%)	2	4
45	2n	49/50 (98%)	45 (92%)	4 (8%)	10	24
46	1o	78/80 (98%)	70 (90%)	8 (10%)	7	15
46	2o	78/80 (98%)	70 (90%)	8 (10%)	7	15
47	1p	69/74 (93%)	61 (88%)	8 (12%)	5	11
47	2p	68/74 (92%)	60 (88%)	8 (12%)	5	10
48	1q	94/97 (97%)	83 (88%)	11 (12%)	5	11
48	2q	94/97 (97%)	85 (90%)	9 (10%)	8	17
49	1r	59/77 (77%)	53 (90%)	6 (10%)	7	15

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
49	2r	59/77 (77%)	50 (85%)	9 (15%)	3	5
50	1s	69/80 (86%)	66 (96%)	3 (4%)	26	51
50	2s	67/80 (84%)	53 (79%)	14 (21%)	1	2
51	1t	70/82 (85%)	63 (90%)	7 (10%)	7	16
51	2t	70/82 (85%)	66 (94%)	4 (6%)	18	40
52	1u	18/22 (82%)	18 (100%)	0	100	100
52	2u	18/22 (82%)	17 (94%)	1 (6%)	19	40
All	All	9303/10064 (92%)	8292 (89%)	1011 (11%)	6	13

5 of 1011 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
50	1s	37	ARG
39	2h	109	ILE
8	2I	123	LEU
39	2h	3	THR
44	2m	47	ASP

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 144 such sidechains are listed below:

Mol	Chain	Res	Type
35	2d	119	GLN
51	2t	75	ASN
36	2e	56	GLN
41	2j	33	GLN
37	1f	57	GLN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	507 (17%)	27 (0%)
1	2A	2791/2915 (95%)	549 (19%)	23 (0%)
2	1B	119/121 (98%)	11 (9%)	0
2	2B	118/121 (97%)	26 (22%)	0
32	1a	1497/1521 (98%)	268 (17%)	0
32	2a	1501/1521 (98%)	331 (22%)	0
53	1v	12/24 (50%)	1 (8%)	0

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Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
53	2v	12/24 (50%)	1 (8%)	0
54	1w	70/76 (92%)	24 (34%)	0
54	2w	67/76 (88%)	20 (29%)	0
55	1x	74/77 (96%)	15 (20%)	0
55	2x	74/77 (96%)	14 (18%)	0
56	1y	72/76 (94%)	27 (37%)	0
56	2y	70/76 (92%)	26 (37%)	0
All	All	9341/9620 (97%)	1820 (19%)	50 (0%)

5 of 1820 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	10	G
1	1A	27	G
1	1A	34	C
1	1A	36	G
1	1A	45	C

5 of 50 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	2A	228	A
1	2A	856	C
1	2A	2689	U
1	2A	266	G
1	2A	528	A

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

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

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# $ Z > 2$	Counts	RMSZ	# $ Z > 2$
32	7MG	1a	527	32,57	23,26,27	1.34	3 (13%)	27,39,42	2.68	7 (25%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	4OC	1A	1920	1	19,22,24	0.83	0	25,31,35	1.05	2 (8%)
56	PSU	2y	32	56	18,21,22	1.34	2 (11%)	21,30,33	2.03	4 (19%)
1	PSU	1A	1911	1	18,21,22	1.43	3 (16%)	21,30,33	2.00	4 (19%)
55	PSU	2x	55	55	18,21,22	1.35	2 (11%)	21,30,33	1.99	5 (23%)
1	PSU	2A	1917	1	18,21,22	1.38	2 (11%)	21,30,33	2.08	4 (19%)
32	4OC	2a	1402	32,57	20,23,24	0.77	0	25,32,35	1.21	2 (8%)
56	4SU	1y	8	56	18,21,22	1.73	4 (22%)	25,30,33	2.11	5 (20%)
32	5MC	1a	1404	32	19,22,23	1.80	3 (15%)	26,32,35	1.30	5 (19%)
54	PSU	1w	55	54	18,21,22	1.43	2 (11%)	21,30,33	2.02	3 (14%)
43	0TD	2l	92	43	8,9,10	4.60	1 (12%)	6,11,13	2.18	3 (50%)
1	2MA	1A	2503	1,57	22,25,26	1.46	4 (18%)	32,37,40	2.28	8 (25%)
1	OMG	2A	2251	55,1	23,26,27	1.22	4 (17%)	32,38,41	1.95	7 (21%)
55	5MC	1x	32	55	19,22,23	1.65	3 (15%)	26,32,35	1.24	3 (11%)
32	7MG	2a	527	32,57	23,26,27	1.30	3 (13%)	27,39,42	2.61	8 (29%)
56	PSU	2y	55	56	18,21,22	1.35	3 (16%)	21,30,33	2.22	4 (19%)
54	5MU	1w	54	54	19,22,23	1.37	5 (26%)	27,32,35	2.12	6 (22%)
56	PSU	1y	55	56	18,21,22	1.44	2 (11%)	21,30,33	2.08	4 (19%)
1	4OC	2A	1920	1	19,22,24	0.77	0	25,31,35	0.89	1 (4%)
32	MA6	2a	1519	32	23,26,27	0.44	0	33,38,41	2.10	9 (27%)
32	5MC	1a	1400	32	19,22,23	1.52	3 (15%)	26,32,35	1.19	3 (11%)
43	0TD	1l	92	43	8,9,10	4.73	1 (12%)	6,11,13	2.23	3 (50%)
32	5MC	1a	1407	32	19,22,23	1.46	2 (10%)	26,32,35	1.11	3 (11%)
1	5MU	1A	1939	1,57	19,22,23	1.43	5 (26%)	27,32,35	2.38	6 (22%)
32	UR3	2a	1498	32	19,22,23	1.10	2 (10%)	26,32,35	1.79	3 (11%)
1	5MU	1A	1915	1	19,22,23	1.44	4 (21%)	27,32,35	2.19	5 (18%)
1	2MA	2A	2503	1,57	22,25,26	1.47	5 (22%)	32,37,40	2.17	9 (28%)
32	MA6	1a	1518	32	23,26,27	0.40	0	33,38,41	2.13	9 (27%)
1	5MC	1A	1942	1,57	19,22,23	1.48	3 (15%)	26,32,35	1.19	3 (11%)
32	2MG	2a	1207	32	23,26,27	1.24	3 (13%)	33,38,41	2.10	8 (24%)
54	MIA	2w	37	54	24,27,32	2.01	5 (20%)	32,39,47	2.57	10 (31%)
55	31H	2x	76	55,57	31,34,35	1.21	3 (9%)	35,47,50	2.08	12 (34%)
56	PSU	2y	39	56	18,21,22	1.41	2 (11%)	21,30,33	1.85	3 (14%)
54	4SU	2w	8	54	18,21,22	1.73	4 (22%)	25,30,33	2.37	6 (24%)
54	MIA	1w	37	54	28,31,32	2.30	7 (25%)	38,44,47	2.75	15 (39%)
1	5MC	1A	1962	1,57	19,22,23	1.67	3 (15%)	26,32,35	1.11	3 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
54	PSU	1w	32	54	18,21,22	1.36	2 (11%)	21,30,33	2.02	4 (19%)
32	UR3	1a	1498	32	19,22,23	1.07	1 (5%)	26,32,35	1.76	4 (15%)
56	MIA	1y	37	56	21,24,32	1.58	4 (19%)	30,35,47	1.99	7 (23%)
56	4SU	2y	8	56	18,21,22	1.76	4 (22%)	25,30,33	2.08	6 (24%)
1	PSU	2A	2605	1	18,21,22	1.38	3 (16%)	21,30,33	2.07	5 (23%)
1	5MU	2A	1915	1	19,22,23	1.42	5 (26%)	27,32,35	2.07	6 (22%)
32	5MC	2a	1400	32	19,22,23	1.76	3 (15%)	26,32,35	1.23	3 (11%)
32	MA6	1a	1519	32	23,26,27	0.46	0	33,38,41	2.24	11 (33%)
1	PSU	2A	1911	1	18,21,22	1.39	2 (11%)	21,30,33	2.03	3 (14%)
55	5MU	1x	54	55	19,22,23	1.40	4 (21%)	27,32,35	1.86	6 (22%)
32	5MC	1a	967	32	19,22,23	1.65	3 (15%)	26,32,35	1.21	5 (19%)
55	PSU	1x	55	55	18,21,22	1.36	2 (11%)	21,30,33	1.98	3 (14%)
1	5MC	2A	1962	1,57	19,22,23	1.59	3 (15%)	26,32,35	1.19	2 (7%)
32	2MG	1a	1207	32	23,26,27	1.34	3 (13%)	33,38,41	2.11	6 (18%)
1	PSU	1A	2605	1,57	18,21,22	1.46	3 (16%)	21,30,33	2.11	5 (23%)
32	MA6	2a	1518	32	23,26,27	0.43	0	33,38,41	2.08	10 (30%)
54	PSU	2w	32	54	18,21,22	1.35	2 (11%)	21,30,33	1.88	3 (14%)
1	MA6	2A	2058	1	23,26,27	0.44	0	33,38,41	1.95	11 (33%)
32	5MC	2a	1407	32	19,22,23	1.61	3 (15%)	26,32,35	1.23	3 (11%)
32	4OC	1a	1402	32	20,23,24	0.75	0	25,32,35	0.84	1 (4%)
56	5MU	2y	54	56	19,22,23	1.41	4 (21%)	27,32,35	1.90	5 (18%)
56	MIA	2y	37	56	21,24,32	1.57	4 (19%)	30,35,47	2.04	10 (33%)
1	PSU	1A	1917	1	18,21,22	1.38	2 (11%)	21,30,33	1.87	5 (23%)
56	PSU	1y	39	56	18,21,22	1.41	2 (11%)	21,30,33	2.11	4 (19%)
55	4SU	2x	8	55	18,21,22	2.19	5 (27%)	25,30,33	1.74	6 (24%)
32	PSU	1a	516	32,57	18,21,22	1.42	3 (16%)	21,30,33	2.11	5 (23%)
1	5MC	2A	1942	1	19,22,23	1.70	3 (15%)	26,32,35	1.14	3 (11%)
56	5MU	1y	54	56	19,22,23	1.44	6 (31%)	27,32,35	1.95	6 (22%)
55	5MC	2x	32	55	19,22,23	1.77	3 (15%)	26,32,35	1.36	4 (15%)
54	PSU	2w	55	54	18,21,22	1.38	2 (11%)	21,30,33	2.02	3 (14%)
32	5MC	2a	967	32,57	19,22,23	1.77	3 (15%)	26,32,35	1.07	2 (7%)
55	4SU	1x	8	55	18,21,22	2.04	6 (33%)	25,30,33	1.46	5 (20%)
32	5MC	2a	1404	32	19,22,23	1.69	3 (15%)	26,32,35	1.19	2 (7%)
56	PSU	1y	32	56	18,21,22	1.35	2 (11%)	21,30,33	1.86	3 (14%)
54	4SU	1w	8	54	18,21,22	1.79	5 (27%)	25,30,33	1.84	5 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
54	7MG	1w	46	54	23,26,27	1.36	3 (13%)	27,39,42	2.59	7 (25%)
32	M2G	1a	966	32	24,27,28	1.29	3 (12%)	33,40,43	1.83	6 (18%)
56	7MG	2y	46	56	23,26,27	1.38	3 (13%)	27,39,42	2.78	8 (29%)
32	PSU	2a	516	32	18,21,22	1.38	2 (11%)	21,30,33	1.99	4 (19%)
56	7MG	1y	46	56	23,26,27	1.32	3 (13%)	27,39,42	2.58	6 (22%)
55	31H	1x	76	55,57	31,34,35	1.20	4 (12%)	35,47,50	2.11	12 (34%)
54	PSU	2w	39	54	18,21,22	1.29	2 (11%)	21,30,33	2.27	4 (19%)
1	OMU	1A	2552	1,57	19,22,23	1.17	2 (10%)	25,31,34	1.88	6 (24%)
54	7MG	2w	46	54	23,26,27	1.30	3 (13%)	27,39,42	2.67	7 (25%)
32	M2G	2a	966	32	24,27,28	1.33	4 (16%)	33,40,43	1.90	5 (15%)
1	MA6	1A	2058	1,57	23,26,27	0.47	0	33,38,41	2.22	11 (33%)
1	5MU	2A	1939	1	19,22,23	1.45	6 (31%)	27,32,35	2.39	6 (22%)
1	OMG	1A	2251	55,1,57	23,26,27	1.28	3 (13%)	32,38,41	1.91	6 (18%)
1	OMU	2A	2552	1,57	19,22,23	1.31	2 (10%)	25,31,34	1.99	6 (24%)
54	PSU	1w	39	54	18,21,22	1.27	2 (11%)	21,30,33	2.33	4 (19%)
55	5MU	2x	54	55	19,22,23	1.47	4 (21%)	27,32,35	2.10	6 (22%)
54	5MU	2w	54	54	19,22,23	1.37	5 (26%)	27,32,35	1.71	6 (22%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	7MG	1a	527	32,57	-	2/7/37/38	0/3/3/3
1	4OC	1A	1920	1	-	1/9/27/30	0/2/2/2
56	PSU	2y	32	56	-	0/7/25/26	0/2/2/2
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
1	PSU	2A	1917	1	-	2/7/25/26	0/2/2/2
32	4OC	2a	1402	32,57	-	2/9/29/30	0/2/2/2
56	4SU	1y	8	56	-	3/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	1/7/12/14	-
1	2MA	1A	2503	1,57	-	1/7/25/26	0/3/3/3
1	OMG	2A	2251	55,1	-	0/9/27/28	0/3/3/3
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	7MG	2a	527	32,57	-	3/7/37/38	0/3/3/3
56	PSU	2y	55	56	-	2/7/25/26	0/2/2/2
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
56	PSU	1y	55	56	-	1/7/25/26	0/2/2/2
1	4OC	2A	1920	1	-	0/9/27/30	0/2/2/2
32	MA6	2a	1519	32	-	3/11/29/30	0/3/3/3
32	5MC	1a	1400	32	-	0/7/25/26	0/2/2/2
43	0TD	1l	92	43	-	1/7/12/14	-
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
1	5MU	1A	1939	1,57	-	0/7/25/26	0/2/2/2
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
1	5MU	1A	1915	1	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	1,57	-	1/7/25/26	0/3/3/3
32	MA6	1a	1518	32	-	0/11/29/30	0/3/3/3
1	5MC	1A	1942	1,57	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/9/27/28	0/3/3/3
54	MIA	2w	37	54	-	0/11/29/34	0/3/3/3
55	31H	2x	76	55,57	-	6/22/40/41	0/3/3/3
56	PSU	2y	39	56	-	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	-	2/15/33/34	0/3/3/3
1	5MC	1A	1962	1,57	-	0/7/25/26	0/2/2/2
54	PSU	1w	32	54	-	0/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
56	MIA	1y	37	56	-	0/7/25/34	0/3/3/3
56	4SU	2y	8	56	-	0/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1400	32	-	2/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	2/11/29/30	0/3/3/3
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
55	5MU	1x	54	55	-	0/7/25/26	0/2/2/2
32	5MC	1a	967	32	-	1/7/25/26	0/2/2/2
55	PSU	1x	55	55	-	0/7/25/26	0/2/2/2
1	5MC	2A	1962	1,57	-	1/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	1/9/27/28	0/3/3/3
1	PSU	1A	2605	1,57	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/11/29/30	0/3/3/3
54	PSU	2w	32	54	-	2/7/25/26	0/2/2/2
1	MA6	2A	2058	1	-	0/11/29/30	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	3/9/29/30	0/2/2/2
56	5MU	2y	54	56	-	0/7/25/26	0/2/2/2
56	MIA	2y	37	56	-	0/7/25/34	0/3/3/3
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
56	PSU	1y	39	56	-	0/7/25/26	0/2/2/2
55	4SU	2x	8	55	-	0/7/25/26	0/2/2/2
32	PSU	1a	516	32,57	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
56	5MU	1y	54	56	-	0/7/25/26	0/2/2/2
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2
54	PSU	2w	55	54	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32,57	-	0/7/25/26	0/2/2/2
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	3/7/25/26	0/2/2/2
56	PSU	1y	32	56	-	0/7/25/26	0/2/2/2
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
54	7MG	1w	46	54	-	1/7/37/38	0/3/3/3
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
56	7MG	2y	46	56	-	4/7/37/38	0/3/3/3
32	PSU	2a	516	32	-	2/7/25/26	0/2/2/2
56	7MG	1y	46	56	-	2/7/37/38	0/3/3/3
55	31H	1x	76	55,57	-	9/22/40/41	0/3/3/3
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
1	OMU	1A	2552	1,57	-	0/9/27/28	0/2/2/2
54	7MG	2w	46	54	-	3/7/37/38	0/3/3/3
32	M2G	2a	966	32	-	0/11/29/30	0/3/3/3
1	MA6	1A	2058	1,57	-	0/11/29/30	0/3/3/3
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
1	OMG	1A	2251	55,1,57	-	0/9/27/28	0/3/3/3
1	OMU	2A	2552	1,57	-	1/9/27/28	0/2/2/2
54	PSU	1w	39	54	-	0/7/25/26	0/2/2/2
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2

The worst 5 of 249 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	-12.73	1.69	1.82
54	1w	37	MIA	C2-S10	-7.22	1.69	1.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	2a	967	5MC	C5-C4	6.57	1.49	1.44
54	1w	37	MIA	C13-C14	6.55	1.52	1.32

The worst 5 of 477 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
56	2y	46	7MG	N9-C4-N3	9.90	139.96	125.46
54	2w	37	MIA	C5-C4-N3	-9.21	117.48	127.18
32	1a	527	7MG	N9-C4-N3	9.04	138.71	125.46
56	1y	46	7MG	N9-C4-N3	8.95	138.58	125.46
54	1w	37	MIA	C12-C13-C14	-8.85	111.13	127.01

There are no chirality outliers.

5 of 68 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
56	1y	46	7MG	C4'-C5'-O5'-P
32	1a	1207	2MG	N3-C2-N2-CM2
32	1a	1519	MA6	O4'-C4'-C5'-O5'
32	2a	1519	MA6	O4'-C4'-C5'-O5'
54	2w	32	PSU	O4'-C4'-C5'-O5'

There are no ring outliers.

50 monomers are involved in 81 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
56	2y	32	PSU	1	0
1	2A	1917	PSU	1	0
32	2a	1402	4OC	5	0
56	1y	8	4SU	2	0
32	1a	1404	5MC	1	0
43	2l	92	0TD	2	0
1	1A	2503	2MA	1	0
1	2A	2251	OMG	1	0
56	2y	55	PSU	4	0
56	1y	55	PSU	3	0
1	2A	1920	4OC	2	0
32	2a	1519	MA6	2	0
43	1l	92	0TD	1	0
1	1A	1939	5MU	2	0
1	1A	1915	5MU	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	2A	2503	2MA	1	0
32	1a	1518	MA6	1	0
32	2a	1207	2MG	5	0
55	2x	76	31H	2	0
56	2y	39	PSU	1	0
54	1w	37	MIA	2	0
32	1a	1498	UR3	1	0
56	2y	8	4SU	2	0
1	2A	1915	5MU	3	0
32	1a	1519	MA6	1	0
32	1a	967	5MC	2	0
1	2A	1962	5MC	1	0
32	2a	1518	MA6	2	0
1	2A	2058	MA6	4	0
32	1a	1402	4OC	2	0
56	2y	37	MIA	1	0
56	1y	39	PSU	1	0
55	2x	8	4SU	1	0
32	1a	516	PSU	1	0
56	1y	54	5MU	1	0
55	2x	32	5MC	1	0
54	2w	55	PSU	1	0
32	2a	967	5MC	3	0
55	1x	8	4SU	1	0
32	1a	966	M2G	2	0
32	2a	516	PSU	1	0
56	1y	46	7MG	1	0
55	1x	76	31H	2	0
1	1A	2552	OMU	2	0
32	2a	966	M2G	1	0
1	1A	2058	MA6	2	0
1	2A	1939	5MU	1	0
1	1A	2251	OMG	3	0
1	2A	2552	OMU	1	0
54	2w	54	5MU	1	0

5.5 Carbohydrates

There are no oligosaccharides in this entry.

5.6 Ligand geometry

Of 2765 ligands modelled in this entry, 2761 are monoatomic - leaving 4 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
59	6IF	1A	4089	-	30,34,34	1.10	2 (6%)	30,49,49	1.67	4 (13%)
61	SF4	1d	501	35	0,12,12	-	-	-		
61	SF4	2d	302	35	0,12,12	-	-	-		
59	6IF	2A	3857	-	30,34,34	0.88	2 (6%)	30,49,49	1.33	5 (16%)

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
59	6IF	1A	4089	-	-	3/22/65/65	0/3/3/3
61	SF4	1d	501	35	-	-	0/6/5/5
61	SF4	2d	302	35	-	-	0/6/5/5
59	6IF	2A	3857	-	-	3/22/65/65	0/3/3/3

All (4) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
59	1A	4089	6IF	CG-CB	-2.53	1.49	1.53
59	2A	3857	6IF	OAF-CAA	2.40	1.46	1.42
59	1A	4089	6IF	CAA-CAB	-2.30	1.49	1.53
59	2A	3857	6IF	OAV-CB	2.20	1.44	1.42

The worst 5 of 9 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
59	1A	4089	6IF	CAB-CAA-SBE	-5.92	102.38	111.30
59	1A	4089	6IF	OAF-CAA-SBE	3.60	120.13	110.30
59	2A	3857	6IF	CD2-CAY-CAX	-3.45	108.63	113.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
59	2A	3857	6IF	CAA-OAF-CAE	-3.25	109.91	114.17
59	1A	4089	6IF	CAA-CAB-CAC	3.01	116.43	110.55

There are no chirality outliers.

5 of 6 torsion outliers are listed below:

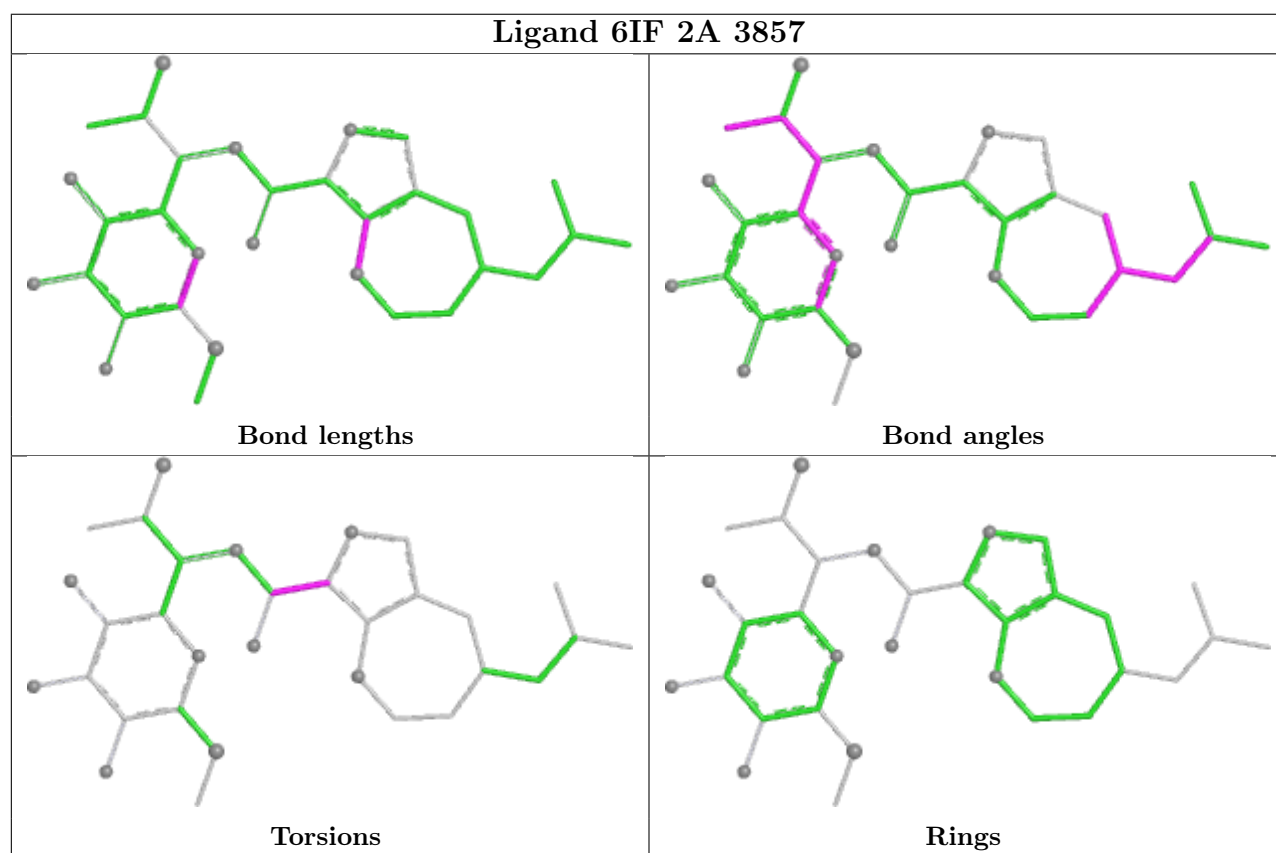
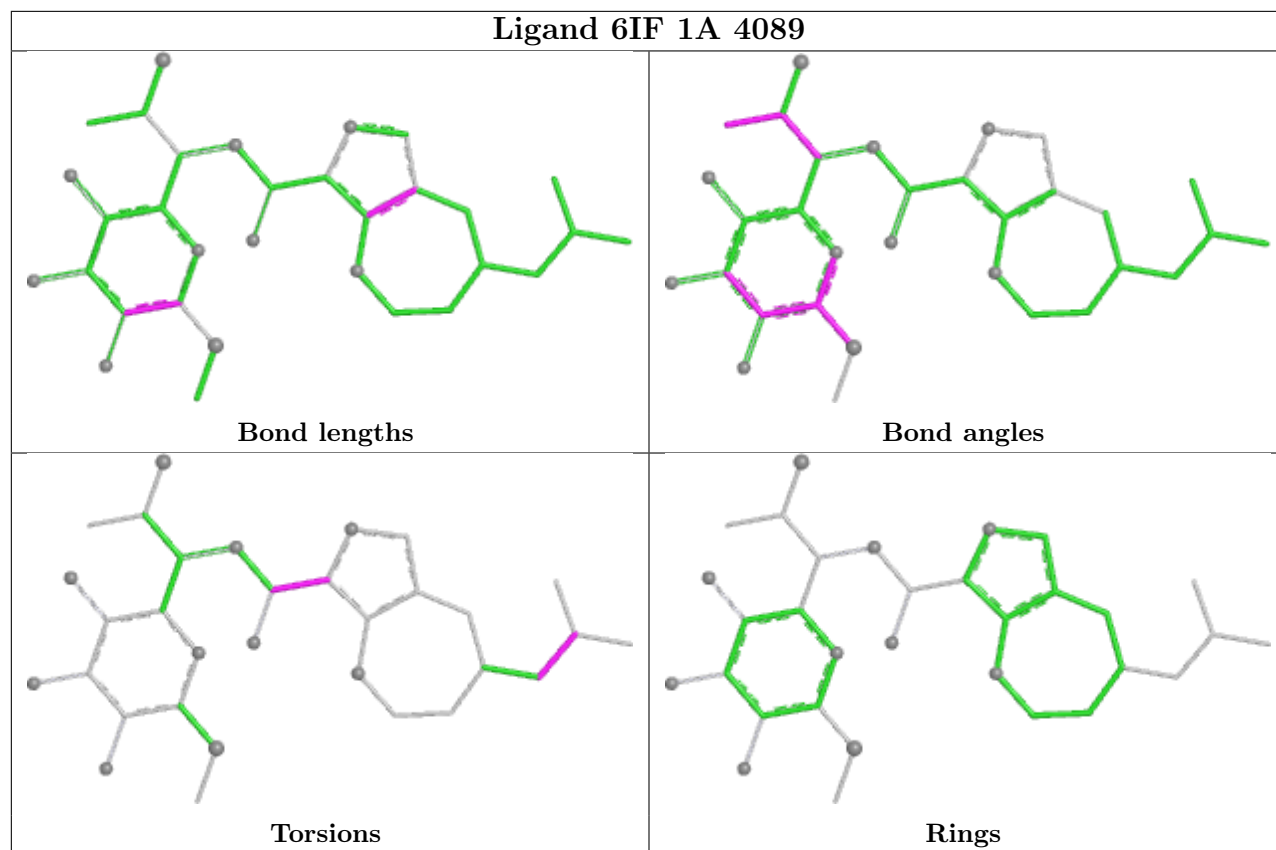
Mol	Chain	Res	Type	Atoms
59	1A	4089	6IF	O-C-CA-CB
59	1A	4089	6IF	NAH-C-CA-CB
59	2A	3857	6IF	O-C-CA-CB
59	2A	3857	6IF	NAH-C-CA-CB
59	1A	4089	6IF	CAY-CBA-CBB-CBC

There are no ring outliers.

4 monomers are involved in 15 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
59	1A	4089	6IF	3	0
61	1d	501	SF4	3	0
61	2d	302	SF4	6	0
59	2A	3857	6IF	3	0

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



5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

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	2859/2915 (98%)	-0.45	87 (3%)	52	47	18, 36, 88, 101	0
1	2A	2788/2915 (95%)	0.07	65 (2%)	61	55	34, 57, 87, 98	0
2	1B	120/121 (99%)	-0.35	0	100	100	29, 47, 62, 84	0
2	2B	120/121 (99%)	0.45	0	100	100	58, 73, 78, 84	0
3	1D	275/276 (99%)	0.06	2 (0%)	84	82	18, 39, 54, 61	0
3	2D	275/276 (99%)	0.35	2 (0%)	84	82	31, 52, 65, 81	0
4	1E	204/206 (99%)	-0.03	2 (0%)	79	76	19, 40, 60, 71	0
4	2E	204/206 (99%)	0.53	3 (1%)	72	68	33, 58, 68, 74	0
5	1F	203/210 (96%)	-0.03	0	100	100	19, 42, 60, 76	0
5	2F	203/210 (96%)	0.50	2 (0%)	79	76	36, 63, 72, 77	0
6	1G	181/182 (99%)	0.42	6 (3%)	49	43	39, 57, 69, 76	0
6	2G	181/182 (99%)	1.01	16 (8%)	15	12	64, 73, 78, 84	0
7	1H	174/180 (96%)	0.26	3 (1%)	69	64	37, 52, 64, 68	0
7	2H	174/180 (96%)	1.12	17 (9%)	13	10	62, 77, 85, 89	0
8	1I	146/148 (98%)	0.56	2 (1%)	73	69	44, 68, 74, 78	0
8	2I	146/148 (98%)	0.89	9 (6%)	26	21	54, 70, 79, 82	0
9	1N	140/140 (100%)	-0.08	1 (0%)	84	82	23, 39, 61, 70	0
9	2N	140/140 (100%)	0.58	3 (2%)	63	58	45, 62, 73, 83	0
10	1O	122/122 (100%)	-0.01	2 (1%)	70	66	28, 43, 57, 62	0
10	2O	122/122 (100%)	0.55	0	100	100	47, 59, 69, 78	0
11	1P	149/150 (99%)	0.18	1 (0%)	84	82	20, 45, 67, 71	0
11	2P	149/150 (99%)	0.71	3 (2%)	65	60	40, 63, 79, 84	0
12	1Q	141/141 (100%)	0.05	0	100	100	27, 41, 56, 72	0
12	2Q	141/141 (100%)	0.72	3 (2%)	63	58	50, 64, 72, 80	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.24	0 100 100	24, 34, 48, 58	0
13	2R	118/118 (100%)	0.36	3 (2%) 58 52	42, 51, 61, 72	0
14	1S	110/112 (98%)	0.12	0 100 100	39, 48, 59, 65	0
14	2S	110/112 (98%)	0.95	7 (6%) 25 20	58, 66, 75, 79	0
15	1T	131/146 (89%)	0.20	3 (2%) 61 55	34, 46, 66, 72	0
15	2T	131/146 (89%)	0.44	1 (0%) 82 80	49, 60, 69, 76	0
16	1U	116/118 (98%)	-0.19	0 100 100	21, 30, 48, 53	0
16	2U	116/118 (98%)	0.68	4 (3%) 48 42	43, 60, 71, 74	0
17	1V	101/101 (100%)	-0.22	0 100 100	21, 38, 54, 72	0
17	2V	101/101 (100%)	0.76	4 (3%) 42 37	42, 66, 75, 85	0
18	1W	112/113 (99%)	-0.30	1 (0%) 81 78	23, 32, 48, 80	0
18	2W	112/113 (99%)	0.40	2 (1%) 67 63	38, 50, 62, 77	0
19	1X	95/96 (98%)	-0.10	0 100 100	29, 40, 56, 73	0
19	2X	95/96 (98%)	0.58	2 (2%) 63 58	48, 60, 72, 79	0
20	1Y	107/110 (97%)	0.33	1 (0%) 81 78	34, 48, 61, 71	0
20	2Y	107/110 (97%)	0.88	1 (0%) 81 78	49, 66, 76, 82	0
21	1Z	154/206 (74%)	0.40	2 (1%) 75 71	37, 58, 75, 83	0
21	2Z	160/206 (77%)	1.03	16 (10%) 12 9	59, 74, 84, 88	0
22	10	83/85 (97%)	0.16	3 (3%) 46 40	26, 38, 58, 73	0
22	20	83/85 (97%)	0.89	7 (8%) 17 13	48, 61, 71, 77	0
23	11	97/98 (98%)	0.37	2 (2%) 63 58	28, 46, 66, 72	0
23	21	97/98 (98%)	0.60	2 (2%) 63 58	37, 55, 71, 74	0
24	12	70/72 (97%)	0.10	2 (2%) 53 48	31, 48, 59, 65	0
24	22	70/72 (97%)	0.73	3 (4%) 40 34	58, 68, 75, 85	0
25	13	59/60 (98%)	-0.25	0 100 100	23, 35, 58, 75	0
25	23	59/60 (98%)	0.63	2 (3%) 48 42	56, 63, 70, 73	0
26	14	69/71 (97%)	0.87	9 (13%) 7 5	49, 71, 80, 84	0
26	24	69/71 (97%)	1.00	7 (10%) 12 9	66, 78, 87, 90	0
27	15	59/60 (98%)	-0.28	0 100 100	21, 33, 53, 60	0
27	25	59/60 (98%)	0.30	1 (1%) 69 64	37, 51, 69, 74	0
28	16	53/54 (98%)	-0.14	0 100 100	33, 42, 54, 59	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.58	2 (3%) 44 38	50, 57, 63, 65	0
29	17	48/49 (97%)	-0.16	0 100 100	22, 27, 47, 57	0
29	27	48/49 (97%)	0.13	1 (2%) 63 58	35, 45, 60, 66	0
30	18	64/65 (98%)	0.03	1 (1%) 70 66	28, 35, 45, 51	0
30	28	64/65 (98%)	0.68	1 (1%) 70 66	39, 53, 61, 64	0
31	19	37/37 (100%)	0.06	0 100 100	25, 40, 56, 61	0
31	29	37/37 (100%)	0.88	1 (2%) 56 50	54, 66, 71, 79	0
32	1a	1488/1521 (97%)	0.24	28 (1%) 66 61	37, 65, 86, 101	0
32	2a	1491/1521 (98%)	0.57	56 (3%) 44 38	50, 74, 89, 101	0
33	1b	231/256 (90%)	0.86	18 (7%) 19 15	63, 73, 80, 84	0
33	2b	231/256 (90%)	1.13	30 (12%) 7 5	68, 78, 85, 93	0
34	1c	206/239 (86%)	0.68	8 (3%) 43 38	56, 69, 76, 80	0
34	2c	206/239 (86%)	1.23	36 (17%) 4 3	66, 77, 83, 89	0
35	1d	208/209 (99%)	0.80	10 (4%) 35 30	54, 67, 73, 79	0
35	2d	208/209 (99%)	0.82	8 (3%) 44 38	58, 67, 75, 80	0
36	1e	148/162 (91%)	0.50	2 (1%) 73 69	52, 63, 71, 76	0
36	2e	148/162 (91%)	1.07	14 (9%) 14 10	62, 73, 79, 84	0
37	1f	100/101 (99%)	0.54	2 (2%) 65 60	51, 64, 71, 73	0
37	2f	100/101 (99%)	0.61	1 (1%) 79 76	61, 68, 73, 77	0
38	1g	155/156 (99%)	0.81	17 (10%) 10 8	57, 66, 74, 95	0
38	2g	155/156 (99%)	1.03	18 (11%) 9 7	63, 73, 80, 89	0
39	1h	137/138 (99%)	0.56	5 (3%) 46 40	55, 65, 72, 82	0
39	2h	137/138 (99%)	1.13	17 (12%) 8 6	64, 73, 79, 84	0
40	1i	127/128 (99%)	1.14	14 (11%) 10 8	50, 72, 79, 81	0
40	2i	127/128 (99%)	1.53	36 (28%) 1 1	68, 76, 81, 85	0
41	1j	97/105 (92%)	1.02	6 (6%) 26 21	59, 71, 80, 85	0
41	2j	96/105 (91%)	1.71	32 (33%) 1 1	70, 78, 83, 86	0
42	1k	114/129 (88%)	0.61	3 (2%) 57 51	47, 64, 71, 73	0
42	2k	114/129 (88%)	0.93	6 (5%) 32 26	54, 70, 77, 80	0
43	1l	121/132 (91%)	0.36	2 (1%) 69 64	44, 55, 64, 65	0
43	2l	121/132 (91%)	0.78	6 (4%) 34 28	56, 66, 73, 77	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	123/126 (97%)	0.81	9 (7%) 21 17	52, 66, 74, 78	0
44	2m	122/126 (96%)	1.31	19 (15%) 5 4	64, 75, 80, 82	0
45	1n	60/61 (98%)	1.10	5 (8%) 17 13	59, 65, 72, 73	0
45	2n	60/61 (98%)	1.97	27 (45%) 0 0	71, 79, 86, 88	0
46	1o	88/89 (98%)	0.74	3 (3%) 48 42	48, 61, 71, 74	0
46	2o	88/89 (98%)	0.89	3 (3%) 48 42	60, 70, 77, 85	0
47	1p	82/88 (93%)	1.24	11 (13%) 7 5	59, 68, 72, 76	0
47	2p	82/88 (93%)	1.07	6 (7%) 21 17	55, 66, 73, 77	0
48	1q	99/105 (94%)	0.88	7 (7%) 22 17	56, 63, 72, 78	0
48	2q	99/105 (94%)	0.85	6 (6%) 27 22	59, 68, 76, 80	0
49	1r	68/88 (77%)	0.50	2 (2%) 53 48	51, 64, 72, 74	0
49	2r	68/88 (77%)	0.63	2 (2%) 53 48	63, 70, 77, 83	0
50	1s	83/93 (89%)	0.85	3 (3%) 46 40	58, 67, 73, 77	0
50	2s	83/93 (89%)	1.44	19 (22%) 2 2	69, 79, 83, 87	0
51	1t	96/106 (90%)	0.79	8 (8%) 17 13	56, 65, 76, 80	0
51	2t	96/106 (90%)	0.96	11 (11%) 9 7	55, 66, 75, 84	0
52	1u	23/27 (85%)	0.79	0 100 100	59, 63, 67, 69	0
52	2u	23/27 (85%)	1.57	3 (13%) 7 5	70, 75, 78, 81	0
53	1v	13/24 (54%)	0.55	1 (7%) 19 15	49, 61, 78, 90	0
53	2v	13/24 (54%)	1.11	1 (7%) 19 15	67, 77, 86, 93	0
54	1w	65/76 (85%)	0.94	7 (10%) 11 8	59, 81, 93, 98	0
54	2w	63/76 (82%)	1.11	10 (15%) 5 4	75, 86, 96, 100	0
55	1x	71/77 (92%)	0.07	0 100 100	27, 59, 74, 86	0
55	2x	71/77 (92%)	0.40	1 (1%) 73 69	47, 73, 84, 87	0
56	1y	67/76 (88%)	0.61	3 (4%) 38 32	37, 82, 92, 95	0
56	2y	66/76 (86%)	0.94	2 (3%) 52 47	56, 89, 93, 96	0
All	All	20867/21748 (95%)	0.36	864 (4%) 41 36	18, 62, 83, 101	0

The worst 5 of 864 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
38	1g	81	GLY	7.6
1	1A	652(V)	C	7.3

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Mol	Chain	Res	Type	RSRZ
1	2A	652(U)	G	6.9
1	2A	652(T)	C	6.7
1	2A	652(C)	G	6.6

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	0.68	0.14	73,84,97,109	0
54	7MG	1w	46	24/25	0.71	0.14	73,83,99,115	0
56	4SU	2y	8	20/21	0.74	0.14	79,91,105,109	0
56	7MG	2y	46	24/25	0.74	0.14	81,93,98,108	0
56	7MG	1y	46	24/25	0.74	0.14	77,89,97,101	0
56	PSU	1y	55	20/21	0.74	0.13	76,88,98,107	0
56	PSU	2y	55	20/21	0.77	0.15	82,89,98,99	0
56	5MU	2y	54	21/22	0.79	0.12	78,88,95,104	0
54	PSU	2w	32	20/21	0.80	0.14	74,81,91,101	0
54	PSU	2w	55	20/21	0.80	0.12	65,83,91,93	0
56	PSU	1y	32	20/21	0.83	0.14	70,76,82,88	0
54	4SU	2w	8	20/21	0.83	0.13	79,89,97,102	0
56	PSU	2y	32	20/21	0.83	0.12	77,84,94,100	0
56	MIA	2y	37	22/30	0.84	0.11	75,80,90,95	0
32	2MG	2a	1207	24/25	0.85	0.12	73,80,84,86	0
56	PSU	2y	39	20/21	0.85	0.11	70,79,93,96	0
56	5MU	1y	54	21/22	0.86	0.12	69,78,89,89	0
55	PSU	2x	55	20/21	0.86	0.11	63,70,80,81	0
54	4SU	1w	8	20/21	0.87	0.12	68,80,88,90	0
32	5MC	2a	967	21/22	0.88	0.16	61,70,76,83	0
56	4SU	1y	8	20/21	0.88	0.10	81,85,89,89	0
55	5MU	2x	54	21/22	0.88	0.10	68,72,77,85	0
1	5MU	2A	1915	21/22	0.88	0.10	63,70,78,85	0
55	4SU	2x	8	20/21	0.89	0.10	64,72,82,83	0
32	M2G	2a	966	25/26	0.90	0.17	62,70,82,86	0
43	0TD	2l	92	10/11	0.90	0.13	63,66,70,80	0
56	PSU	1y	39	20/21	0.90	0.10	64,72,79,80	0
55	PSU	1x	55	20/21	0.90	0.10	51,59,66,75	0
56	MIA	1y	37	22/30	0.90	0.09	69,74,80,86	0
1	4OC	2A	1920	21/23	0.91	0.11	59,65,69,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
54	5MU	2w	54	21/22	0.91	0.10	62,74,79,82	0
54	PSU	1w	55	20/21	0.91	0.09	62,73,80,84	0
32	PSU	2a	516	20/21	0.91	0.11	67,74,79,80	0
54	PSU	1w	32	20/21	0.91	0.12	59,70,75,76	0
32	2MG	1a	1207	24/25	0.91	0.12	57,65,70,77	0
54	PSU	2w	39	20/21	0.91	0.10	67,78,83,83	0
32	7MG	2a	527	24/25	0.91	0.13	55,65,70,76	0
32	5MC	2a	1400	21/22	0.92	0.15	62,71,78,80	0
54	MIA	2w	37	25/30	0.92	0.10	70,77,83,90	0
55	5MC	2x	32	21/22	0.92	0.12	60,65,73,75	0
54	5MU	1w	54	21/22	0.92	0.09	59,66,71,74	0
54	PSU	1w	39	20/21	0.92	0.10	64,69,75,76	0
1	PSU	2A	1911	20/21	0.92	0.11	53,65,73,74	0
32	4OC	2a	1402	22/23	0.93	0.12	56,65,69,73	0
43	0TD	1l	92	10/11	0.93	0.11	43,51,56,57	0
55	5MU	1x	54	21/22	0.93	0.10	51,60,65,73	0
1	5MU	1A	1915	21/22	0.94	0.10	40,47,52,65	0
54	MIA	1w	37	29/30	0.94	0.10	45,59,66,67	0
32	PSU	1a	516	20/21	0.94	0.09	52,59,63,65	0
55	4SU	1x	8	20/21	0.94	0.10	50,67,71,71	0
32	UR3	2a	1498	21/22	0.94	0.12	57,61,67,68	0
1	MA6	2A	2058	24/25	0.95	0.11	32,43,47,49	0
32	M2G	1a	966	25/26	0.95	0.09	47,55,60,65	0
32	5MC	2a	1404	21/22	0.95	0.10	52,61,65,67	0
32	5MC	2a	1407	21/22	0.95	0.10	53,59,68,71	0
1	OMU	2A	2552	21/22	0.95	0.09	40,47,53,58	0
32	MA6	2a	1518	24/25	0.95	0.11	53,68,73,74	0
1	PSU	2A	1917	20/21	0.95	0.07	57,68,77,78	0
1	5MC	2A	1942	21/22	0.95	0.10	52,58,65,68	0
32	7MG	1a	527	24/25	0.95	0.08	42,51,59,64	0
1	OMG	2A	2251	24/25	0.96	0.08	31,39,45,48	0
32	5MC	1a	1407	21/22	0.96	0.09	29,42,47,49	0
1	5MU	2A	1939	21/22	0.96	0.09	37,45,51,53	0
32	5MC	1a	967	21/22	0.96	0.08	46,58,60,63	0
1	PSU	2A	2605	20/21	0.96	0.08	37,44,48,49	0
32	MA6	1a	1519	24/25	0.96	0.09	38,44,49,54	0
32	MA6	2a	1519	24/25	0.96	0.11	53,66,71,74	0
1	5MC	1A	1942	21/22	0.96	0.08	34,41,47,52	0
1	PSU	1A	1911	20/21	0.96	0.08	41,50,54,57	0
55	5MC	1x	32	21/22	0.96	0.09	46,55,61,65	0
32	5MC	1a	1400	21/22	0.96	0.10	44,52,56,59	0
1	5MC	2A	1962	21/22	0.96	0.08	47,53,58,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	4OC	1a	1402	22/23	0.96	0.09	42,47,55,57	0
1	PSU	1A	1917	20/21	0.96	0.10	41,46,48,55	0
32	5MC	1a	1404	21/22	0.96	0.11	38,43,47,48	0
55	31H	2x	76	32/33	0.96	0.09	32,50,60,68	0
1	MA6	1A	2058	24/25	0.97	0.07	17,30,37,39	0
1	2MA	2A	2503	23/24	0.97	0.08	31,39,46,54	0
32	UR3	1a	1498	21/22	0.97	0.08	38,44,46,47	0
1	4OC	1A	1920	21/23	0.97	0.08	37,45,50,54	0
55	31H	1x	76	32/33	0.97	0.08	19,32,42,42	10
1	OMG	1A	2251	24/25	0.97	0.07	22,27,31,35	0
1	PSU	1A	2605	20/21	0.98	0.06	24,27,33,34	0
1	2MA	1A	2503	23/24	0.98	0.07	14,22,29,32	0
32	MA6	1a	1518	24/25	0.98	0.07	36,44,47,48	0
1	5MC	1A	1962	21/22	0.98	0.06	25,34,38,44	0
1	OMU	1A	2552	21/22	0.98	0.08	22,30,34,36	0
1	5MU	1A	1939	21/22	0.98	0.07	24,31,35,49	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
57	MG	2A	3304	1/1	0.60	0.38	76,76,76,76	0
57	MG	2A	3642	1/1	0.61	0.27	79,79,79,79	0
57	MG	2a	1792	1/1	0.61	0.25	76,76,76,76	0
57	MG	2A	3700	1/1	0.68	0.23	72,72,72,72	0
57	MG	2A	3779	1/1	0.69	0.25	62,62,62,62	0
57	MG	2a	1789	1/1	0.69	0.13	78,78,78,78	0
57	MG	1a	1763	1/1	0.69	0.17	75,75,75,75	0
57	MG	1a	1744	1/1	0.70	0.10	69,69,69,69	0
57	MG	2A	3839	1/1	0.70	0.18	59,59,59,59	0
57	MG	1A	3451	1/1	0.74	0.24	73,73,73,73	0
57	MG	1A	3951	1/1	0.75	0.34	50,50,50,50	0
57	MG	1a	1751	1/1	0.75	0.12	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3797	1/1	0.76	0.14	56,56,56,56	0
57	MG	2a	1696	1/1	0.76	0.15	77,77,77,77	0
57	MG	1a	1802	1/1	0.76	0.19	66,66,66,66	0
57	MG	1a	1680	1/1	0.76	0.23	70,70,70,70	0
57	MG	2A	3259	1/1	0.77	0.30	60,60,60,60	0
57	MG	1O	204	1/1	0.77	0.16	55,55,55,55	0
57	MG	1a	1705	1/1	0.77	0.19	64,64,64,64	0
57	MG	2A	3667	1/1	0.77	0.14	57,57,57,57	0
57	MG	1a	1673	1/1	0.77	0.18	68,68,68,68	0
57	MG	1A	3879	1/1	0.78	0.12	40,40,40,40	0
57	MG	2A	3654	1/1	0.78	0.19	70,70,70,70	0
57	MG	1B	222	1/1	0.78	0.13	54,54,54,54	0
57	MG	1x	109	1/1	0.79	0.16	64,64,64,64	0
57	MG	2A	3849	1/1	0.79	0.15	44,44,44,44	0
57	MG	2R	201	1/1	0.79	0.23	69,69,69,69	0
57	MG	1G	204	1/1	0.79	0.13	63,63,63,63	0
57	MG	2a	1744	1/1	0.79	0.32	69,69,69,69	0
57	MG	2a	1780	1/1	0.79	0.19	65,65,65,65	0
57	MG	1A	3763	1/1	0.79	0.13	56,56,56,56	0
57	MG	1A	3943	1/1	0.79	0.15	51,51,51,51	0
57	MG	1A	3097	1/1	0.80	0.13	53,53,53,53	0
57	MG	1a	1811	1/1	0.80	0.23	63,63,63,63	0
57	MG	1x	102	1/1	0.80	0.23	56,56,56,56	0
57	MG	1A	4083	1/1	0.80	0.15	56,56,56,56	0
57	MG	2A	3099	1/1	0.80	0.21	73,73,73,73	0
57	MG	1a	1703	1/1	0.80	0.14	62,62,62,62	0
57	MG	1A	3877	1/1	0.80	0.12	34,34,34,34	0
57	MG	1A	3458	1/1	0.80	0.14	53,53,53,53	0
57	MG	1O	201	1/1	0.80	0.12	68,68,68,68	0
57	MG	1A	3361	1/1	0.80	0.19	53,53,53,53	0
57	MG	2v	101	1/1	0.80	0.17	65,65,65,65	0
57	MG	2A	3838	1/1	0.81	0.13	70,70,70,70	0
57	MG	1A	4074	1/1	0.81	0.17	58,58,58,58	0
57	MG	2A	3524	1/1	0.81	0.13	64,64,64,64	0
57	MG	1B	227	1/1	0.81	0.23	75,75,75,75	0
57	MG	1x	110	1/1	0.81	0.21	71,71,71,71	0
57	MG	2A	3660	1/1	0.81	0.23	65,65,65,65	0
57	MG	2A	3045	1/1	0.81	0.19	61,61,61,61	0
57	MG	10	102	1/1	0.81	0.20	60,60,60,60	0
57	MG	1A	3766	1/1	0.81	0.10	20,20,20,20	0
57	MG	2a	1798	1/1	0.81	0.14	59,59,59,59	0
57	MG	2a	1801	1/1	0.81	0.15	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1806	1/1	0.81	0.11	69,69,69,69	0
57	MG	2A	3833	1/1	0.81	0.14	51,51,51,51	0
57	MG	2A	3107	1/1	0.82	0.16	64,64,64,64	0
57	MG	1a	1767	1/1	0.82	0.14	66,66,66,66	0
57	MG	1A	3709	1/1	0.82	0.18	59,59,59,59	0
57	MG	2a	1621	1/1	0.82	0.22	71,71,71,71	0
57	MG	2a	1651	1/1	0.82	0.24	82,82,82,82	0
57	MG	2A	3329	1/1	0.82	0.12	61,61,61,61	0
57	MG	2A	3706	1/1	0.82	0.12	63,63,63,63	0
57	MG	2A	3766	1/1	0.82	0.12	59,59,59,59	0
57	MG	2A	3777	1/1	0.82	0.15	48,48,48,48	0
57	MG	2A	3356	1/1	0.82	0.19	67,67,67,67	0
57	MG	2A	3783	1/1	0.82	0.17	76,76,76,76	0
57	MG	2A	3827	1/1	0.82	0.10	53,53,53,53	0
57	MG	1A	3976	1/1	0.82	0.08	25,25,25,25	0
57	MG	1A	4069	1/1	0.82	0.14	59,59,59,59	0
57	MG	2x	102	1/1	0.82	0.23	71,71,71,71	0
57	MG	1Q	206	1/1	0.83	0.14	35,35,35,35	0
57	MG	1Z	304	1/1	0.83	0.10	57,57,57,57	0
57	MG	1A	4034	1/1	0.83	0.17	61,61,61,61	0
57	MG	15	109	1/1	0.83	0.14	60,60,60,60	0
57	MG	1A	3819	1/1	0.83	0.12	27,27,27,27	0
57	MG	2A	3079	1/1	0.83	0.17	59,59,59,59	0
57	MG	1A	3858	1/1	0.83	0.19	56,56,56,56	0
57	MG	1A	3460	1/1	0.83	0.23	79,79,79,79	0
57	MG	2A	3203	1/1	0.83	0.22	70,70,70,70	0
57	MG	2A	3215	1/1	0.83	0.15	55,55,55,55	0
57	MG	1A	3378	1/1	0.83	0.12	64,64,64,64	0
57	MG	1A	3400	1/1	0.83	0.12	39,39,39,39	0
57	MG	1E	311	1/1	0.83	0.16	65,65,65,65	0
57	MG	2A	3330	1/1	0.83	0.20	62,62,62,62	0
57	MG	2a	1605	1/1	0.83	0.21	68,68,68,68	0
57	MG	2A	3336	1/1	0.83	0.10	54,54,54,54	0
57	MG	2a	1650	1/1	0.83	0.25	77,77,77,77	0
57	MG	2A	3340	1/1	0.83	0.19	67,67,67,67	0
57	MG	2A	3354	1/1	0.83	0.09	63,63,63,63	0
57	MG	1A	3946	1/1	0.83	0.15	54,54,54,54	0
57	MG	2A	3469	1/1	0.83	0.11	57,57,57,57	0
57	MG	1A	3230	1/1	0.83	0.17	64,64,64,64	0
57	MG	2A	3527	1/1	0.83	0.14	66,66,66,66	0
57	MG	2A	3571	1/1	0.83	0.18	65,65,65,65	0
57	MG	2A	3609	1/1	0.83	0.21	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3633	1/1	0.83	0.22	49,49,49,49	0
57	MG	2a	1816	1/1	0.83	0.22	56,56,56,56	0
57	MG	1a	1794	1/1	0.83	0.11	53,53,53,53	0
57	MG	1A	3185	1/1	0.83	0.23	55,55,55,55	0
57	MG	1A	3058	1/1	0.84	0.17	55,55,55,55	0
57	MG	2A	3836	1/1	0.84	0.19	59,59,59,59	0
57	MG	1a	1742	1/1	0.84	0.16	73,73,73,73	0
57	MG	1A	3720	1/1	0.84	0.12	52,52,52,52	0
57	MG	1A	3830	1/1	0.84	0.14	69,69,69,69	0
57	MG	2A	3602	1/1	0.84	0.13	42,42,42,42	0
57	MG	2a	1603	1/1	0.84	0.11	61,61,61,61	0
57	MG	2A	3205	1/1	0.84	0.14	61,61,61,61	0
57	MG	1T	202	1/1	0.84	0.21	57,57,57,57	0
57	MG	2a	1649	1/1	0.84	0.11	58,58,58,58	0
57	MG	1A	3541	1/1	0.84	0.14	53,53,53,53	0
57	MG	2A	3649	1/1	0.84	0.15	78,78,78,78	0
57	MG	2a	1653	1/1	0.84	0.09	55,55,55,55	0
57	MG	2a	1685	1/1	0.84	0.19	63,63,63,63	0
57	MG	2A	3299	1/1	0.84	0.28	71,71,71,71	0
57	MG	2a	1708	1/1	0.84	0.20	66,66,66,66	0
57	MG	2a	1739	1/1	0.84	0.13	62,62,62,62	0
57	MG	2A	3302	1/1	0.84	0.11	55,55,55,55	0
57	MG	1A	3957	1/1	0.84	0.13	52,52,52,52	0
57	MG	1A	3965	1/1	0.84	0.11	62,62,62,62	0
57	MG	2A	3705	1/1	0.84	0.11	61,61,61,61	0
57	MG	2a	1795	1/1	0.84	0.21	66,66,66,66	0
57	MG	1a	1607	1/1	0.84	0.17	66,66,66,66	0
57	MG	2a	1799	1/1	0.84	0.10	58,58,58,58	0
57	MG	1a	1672	1/1	0.84	0.16	77,77,77,77	0
57	MG	1A	3590	1/1	0.84	0.37	77,77,77,77	0
57	MG	1F	315	1/1	0.84	0.13	50,50,50,50	0
57	MG	1A	4015	1/1	0.84	0.13	57,57,57,57	0
57	MG	2A	3385	1/1	0.84	0.09	66,66,66,66	0
57	MG	1R	203	1/1	0.85	0.16	52,52,52,52	0
57	MG	2A	3479	1/1	0.85	0.32	66,66,66,66	0
57	MG	2A	3504	1/1	0.85	0.17	47,47,47,47	0
57	MG	1A	3637	1/1	0.85	0.11	59,59,59,59	0
57	MG	2B	219	1/1	0.85	0.20	66,66,66,66	0
57	MG	2A	3111	1/1	0.85	0.32	63,63,63,63	0
57	MG	2A	3528	1/1	0.85	0.26	68,68,68,68	0
57	MG	1A	3677	1/1	0.85	0.10	48,48,48,48	0
57	MG	2A	3593	1/1	0.85	0.16	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1627	1/1	0.85	0.11	58,58,58,58	0
57	MG	1A	3994	1/1	0.85	0.13	42,42,42,42	0
57	MG	1a	1761	1/1	0.85	0.11	57,57,57,57	0
57	MG	2A	3628	1/1	0.85	0.12	45,45,45,45	0
57	MG	2A	3228	1/1	0.85	0.46	76,76,76,76	0
57	MG	2a	1679	1/1	0.85	0.29	75,75,75,75	0
57	MG	13	101	1/1	0.85	0.19	41,41,41,41	0
57	MG	1A	3526	1/1	0.85	0.09	64,64,64,64	0
57	MG	2a	1697	1/1	0.85	0.18	68,68,68,68	0
57	MG	1A	3477	1/1	0.85	0.10	52,52,52,52	0
57	MG	2a	1714	1/1	0.85	0.15	73,73,73,73	0
57	MG	1a	1623	1/1	0.85	0.20	57,57,57,57	0
57	MG	1a	1809	1/1	0.85	0.18	70,70,70,70	0
57	MG	2a	1754	1/1	0.85	0.27	62,62,62,62	0
57	MG	2A	3694	1/1	0.85	0.17	63,63,63,63	0
57	MG	1A	4056	1/1	0.85	0.13	49,49,49,49	0
57	MG	1A	3516	1/1	0.85	0.20	67,67,67,67	0
57	MG	1A	4073	1/1	0.85	0.12	38,38,38,38	0
57	MG	2a	1797	1/1	0.85	0.20	70,70,70,70	0
57	MG	2A	3717	1/1	0.85	0.21	61,61,61,61	0
57	MG	1a	1683	1/1	0.85	0.12	61,61,61,61	0
57	MG	1a	1688	1/1	0.85	0.19	56,56,56,56	0
57	MG	2A	3357	1/1	0.85	0.15	68,68,68,68	0
57	MG	1A	3866	1/1	0.85	0.13	40,40,40,40	0
57	MG	2a	1819	1/1	0.85	0.16	73,73,73,73	0
57	MG	2A	3404	1/1	0.85	0.20	57,57,57,57	0
57	MG	2w	103	1/1	0.85	0.13	65,65,65,65	0
57	MG	2A	3443	1/1	0.85	0.12	60,60,60,60	0
57	MG	1A	3621	1/1	0.86	0.17	53,53,53,53	0
57	MG	1w	105	1/1	0.86	0.12	60,60,60,60	0
57	MG	1A	3517	1/1	0.86	0.11	62,62,62,62	0
57	MG	2A	3314	1/1	0.86	0.13	56,56,56,56	0
57	MG	2A	3616	1/1	0.86	0.13	49,49,49,49	0
57	MG	2A	3326	1/1	0.86	0.07	57,57,57,57	0
57	MG	1A	3794	1/1	0.86	0.09	22,22,22,22	0
57	MG	1A	3672	1/1	0.86	0.10	28,28,28,28	0
57	MG	2A	3648	1/1	0.86	0.10	69,69,69,69	0
57	MG	1Y	202	1/1	0.86	0.14	61,61,61,61	0
57	MG	1A	4079	1/1	0.86	0.16	55,55,55,55	0
57	MG	2A	3341	1/1	0.86	0.21	70,70,70,70	0
57	MG	1A	3804	1/1	0.86	0.23	25,25,25,25	0
57	MG	2A	3104	1/1	0.86	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
57	MG	2a	1705	1/1	0.86	0.11	74,74,74,74	0
57	MG	1A	3813	1/1	0.86	0.16	51,51,51,51	0
57	MG	13	107	1/1	0.86	0.09	53,53,53,53	0
57	MG	2a	1720	1/1	0.86	0.21	62,62,62,62	0
57	MG	2A	3181	1/1	0.86	0.14	52,52,52,52	0
57	MG	2A	3435	1/1	0.86	0.08	59,59,59,59	0
57	MG	2A	3732	1/1	0.86	0.12	48,48,48,48	0
57	MG	2a	1769	1/1	0.86	0.19	73,73,73,73	0
57	MG	2a	1779	1/1	0.86	0.12	65,65,65,65	0
57	MG	2A	3736	1/1	0.86	0.13	66,66,66,66	0
57	MG	1A	3090	1/1	0.86	0.16	73,73,73,73	0
57	MG	2A	3456	1/1	0.86	0.14	71,71,71,71	0
57	MG	1A	3708	1/1	0.86	0.10	57,57,57,57	0
57	MG	1A	3488	1/1	0.86	0.11	51,51,51,51	0
57	MG	2A	3788	1/1	0.86	0.10	51,51,51,51	0
57	MG	2A	3823	1/1	0.86	0.14	42,42,42,42	0
57	MG	1A	3025	1/1	0.86	0.16	58,58,58,58	0
57	MG	2A	3514	1/1	0.86	0.13	48,48,48,48	0
57	MG	2a	1809	1/1	0.86	0.13	65,65,65,65	0
57	MG	1A	3867	1/1	0.86	0.17	47,47,47,47	0
57	MG	2A	3266	1/1	0.86	0.09	52,52,52,52	0
57	MG	2a	1830	1/1	0.86	0.09	67,67,67,67	0
57	MG	2A	3289	1/1	0.86	0.10	70,70,70,70	0
57	MG	2A	3548	1/1	0.86	0.15	38,38,38,38	0
57	MG	2A	3855	1/1	0.86	0.13	60,60,60,60	0
57	MG	2A	3510	1/1	0.87	0.22	61,61,61,61	0
57	MG	1A	3651	1/1	0.87	0.16	40,40,40,40	0
57	MG	1B	219	1/1	0.87	0.14	57,57,57,57	0
57	MG	2A	3240	1/1	0.87	0.16	62,62,62,62	0
57	MG	2A	3257	1/1	0.87	0.17	66,66,66,66	0
57	MG	1A	4003	1/1	0.87	0.09	71,71,71,71	0
57	MG	2A	3565	1/1	0.87	0.10	47,47,47,47	0
57	MG	1A	3655	1/1	0.87	0.08	29,29,29,29	0
57	MG	2A	3574	1/1	0.87	0.19	55,55,55,55	0
57	MG	2a	1611	1/1	0.87	0.24	63,63,63,63	0
57	MG	1a	1602	1/1	0.87	0.11	49,49,49,49	0
57	MG	2A	3294	1/1	0.87	0.14	61,61,61,61	0
57	MG	2A	3608	1/1	0.87	0.16	45,45,45,45	0
57	MG	1A	4019	1/1	0.87	0.13	43,43,43,43	0
57	MG	1A	4022	1/1	0.87	0.20	40,40,40,40	0
57	MG	1t	201	1/1	0.87	0.26	62,62,62,62	0
57	MG	1G	203	1/1	0.87	0.10	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3635	1/1	0.87	0.14	56,56,56,56	0
57	MG	2A	3322	1/1	0.87	0.14	64,64,64,64	0
57	MG	1w	106	1/1	0.87	0.10	54,54,54,54	0
57	MG	1A	3148	1/1	0.87	0.11	40,40,40,40	0
57	MG	1A	3502	1/1	0.87	0.13	54,54,54,54	0
57	MG	2A	3334	1/1	0.87	0.24	63,63,63,63	0
57	MG	2A	3665	1/1	0.87	0.14	55,55,55,55	0
57	MG	2a	1729	1/1	0.87	0.18	49,49,49,49	0
57	MG	1A	3963	1/1	0.87	0.18	65,65,65,65	0
57	MG	2A	3684	1/1	0.87	0.10	72,72,72,72	0
57	MG	1A	4070	1/1	0.87	0.12	54,54,54,54	0
57	MG	1a	1690	1/1	0.87	0.25	61,61,61,61	0
57	MG	2A	3350	1/1	0.87	0.10	61,61,61,61	0
57	MG	2A	3085	1/1	0.87	0.13	58,58,58,58	0
57	MG	2A	3087	1/1	0.87	0.24	62,62,62,62	0
57	MG	2A	3727	1/1	0.87	0.11	74,74,74,74	0
57	MG	1A	3194	1/1	0.87	0.21	48,48,48,48	0
57	MG	2A	3100	1/1	0.87	0.22	62,62,62,62	0
57	MG	1S	202	1/1	0.87	0.19	63,63,63,63	0
57	MG	2A	3420	1/1	0.87	0.27	61,61,61,61	0
57	MG	1a	1714	1/1	0.87	0.20	54,54,54,54	0
57	MG	2A	3781	1/1	0.87	0.17	73,73,73,73	0
57	MG	1a	1736	1/1	0.87	0.10	59,59,59,59	0
57	MG	2A	3784	1/1	0.87	0.10	79,79,79,79	0
57	MG	2A	3127	1/1	0.87	0.09	42,42,42,42	0
57	MG	2a	1820	1/1	0.87	0.26	66,66,66,66	0
57	MG	2a	1822	1/1	0.87	0.18	62,62,62,62	0
57	MG	2A	3821	1/1	0.87	0.10	78,78,78,78	0
57	MG	2m	201	1/1	0.87	0.19	73,73,73,73	0
57	MG	1A	3972	1/1	0.87	0.10	28,28,28,28	0
57	MG	1A	4077	1/1	0.87	0.17	51,51,51,51	0
57	MG	1A	3892	1/1	0.87	0.14	65,65,65,65	0
57	MG	2y	105	1/1	0.87	0.30	63,63,63,63	0
57	MG	1A	3793	1/1	0.88	0.10	18,18,18,18	0
57	MG	2A	3191	1/1	0.88	0.14	61,61,61,61	0
57	MG	2A	3492	1/1	0.88	0.11	62,62,62,62	0
57	MG	2A	3194	1/1	0.88	0.19	51,51,51,51	0
57	MG	1A	4071	1/1	0.88	0.11	63,63,63,63	0
57	MG	1A	3463	1/1	0.88	0.16	59,59,59,59	0
57	MG	2A	3520	1/1	0.88	0.19	65,65,65,65	0
57	MG	2A	3206	1/1	0.88	0.11	52,52,52,52	0
57	MG	1A	3471	1/1	0.88	0.12	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3534	1/1	0.88	0.17	48,48,48,48	0
57	MG	2A	3530	1/1	0.88	0.16	50,50,50,50	0
57	MG	2A	3236	1/1	0.88	0.16	69,69,69,69	0
57	MG	2a	1606	1/1	0.88	0.12	57,57,57,57	0
57	MG	1a	1804	1/1	0.88	0.09	61,61,61,61	0
57	MG	2a	1620	1/1	0.88	0.19	68,68,68,68	0
57	MG	1a	1805	1/1	0.88	0.15	72,72,72,72	0
57	MG	1A	3960	1/1	0.88	0.10	61,61,61,61	0
57	MG	2a	1631	1/1	0.88	0.21	66,66,66,66	0
57	MG	2A	3577	1/1	0.88	0.10	55,55,55,55	0
57	MG	1A	3808	1/1	0.88	0.07	32,32,32,32	0
57	MG	2A	3269	1/1	0.88	0.17	56,56,56,56	0
57	MG	2A	3278	1/1	0.88	0.19	66,66,66,66	0
57	MG	1b	301	1/1	0.88	0.12	62,62,62,62	0
57	MG	1a	1603	1/1	0.88	0.18	67,67,67,67	0
57	MG	2a	1688	1/1	0.88	0.21	60,60,60,60	0
57	MG	2a	1692	1/1	0.88	0.25	59,59,59,59	0
57	MG	1B	202	1/1	0.88	0.16	50,50,50,50	0
57	MG	1A	3811	1/1	0.88	0.15	65,65,65,65	0
57	MG	1A	3331	1/1	0.88	0.20	47,47,47,47	0
57	MG	1A	3975	1/1	0.88	0.08	32,32,32,32	0
57	MG	2A	3318	1/1	0.88	0.11	62,62,62,62	0
57	MG	1A	3693	1/1	0.88	0.11	36,36,36,36	0
57	MG	2a	1723	1/1	0.88	0.14	65,65,65,65	0
57	MG	1y	101	1/1	0.88	0.11	64,64,64,64	0
57	MG	1A	3983	1/1	0.88	0.09	32,32,32,32	0
57	MG	2A	3046	1/1	0.88	0.16	59,59,59,59	0
57	MG	2A	3072	1/1	0.88	0.09	42,42,42,42	0
57	MG	2a	1755	1/1	0.88	0.09	74,74,74,74	0
57	MG	1A	3694	1/1	0.88	0.08	26,26,26,26	0
57	MG	2a	1770	1/1	0.88	0.11	51,51,51,51	0
57	MG	2A	3688	1/1	0.88	0.13	65,65,65,65	0
57	MG	1A	3843	1/1	0.88	0.15	56,56,56,56	0
57	MG	1A	3705	1/1	0.88	0.09	46,46,46,46	0
57	MG	2A	3703	1/1	0.88	0.10	58,58,58,58	0
57	MG	2A	3089	1/1	0.88	0.14	61,61,61,61	0
57	MG	1A	3580	1/1	0.88	0.14	40,40,40,40	0
57	MG	2A	3710	1/1	0.88	0.13	48,48,48,48	0
57	MG	1Q	204	1/1	0.88	0.10	72,72,72,72	0
57	MG	1A	3341	1/1	0.88	0.07	48,48,48,48	0
57	MG	2A	3728	1/1	0.88	0.09	58,58,58,58	0
57	MG	2a	1808	1/1	0.88	0.24	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3105	1/1	0.88	0.10	57,57,57,57	0
57	MG	2A	3386	1/1	0.88	0.08	50,50,50,50	0
57	MG	2A	3392	1/1	0.88	0.13	57,57,57,57	0
57	MG	1A	3207	1/1	0.88	0.13	67,67,67,67	0
57	MG	2A	3407	1/1	0.88	0.17	42,42,42,42	0
57	MG	1A	3311	1/1	0.88	0.16	48,48,48,48	0
57	MG	2A	3117	1/1	0.88	0.11	52,52,52,52	0
57	MG	2A	3441	1/1	0.88	0.12	64,64,64,64	0
57	MG	2w	102	1/1	0.88	0.10	62,62,62,62	0
57	MG	1A	3644	1/1	0.88	0.11	57,57,57,57	0
57	MG	2w	105	1/1	0.88	0.12	75,75,75,75	0
57	MG	2w	106	1/1	0.88	0.16	66,66,66,66	0
57	MG	2A	3789	1/1	0.88	0.10	56,56,56,56	0
57	MG	2y	101	1/1	0.88	0.09	65,65,65,65	0
57	MG	2A	3159	1/1	0.88	0.27	62,62,62,62	0
57	MG	2A	3476	1/1	0.89	0.27	64,64,64,64	0
57	MG	2A	3824	1/1	0.89	0.10	54,54,54,54	0
57	MG	2A	3248	1/1	0.89	0.09	49,49,49,49	0
57	MG	2A	3006	1/1	0.89	0.19	61,61,61,61	0
57	MG	2A	3494	1/1	0.89	0.19	54,54,54,54	0
57	MG	2A	3500	1/1	0.89	0.13	63,63,63,63	0
57	MG	1A	3659	1/1	0.89	0.08	44,44,44,44	0
57	MG	1A	4082	1/1	0.89	0.09	46,46,46,46	0
57	MG	2A	3853	1/1	0.89	0.11	62,62,62,62	0
57	MG	2A	3268	1/1	0.89	0.16	54,54,54,54	0
57	MG	2B	210	1/1	0.89	0.25	66,66,66,66	0
57	MG	2B	215	1/1	0.89	0.11	56,56,56,56	0
57	MG	1A	3404	1/1	0.89	0.10	58,58,58,58	0
57	MG	2G	201	1/1	0.89	0.11	67,67,67,67	0
57	MG	2A	3271	1/1	0.89	0.09	50,50,50,50	0
57	MG	2V	202	1/1	0.89	0.18	66,66,66,66	0
57	MG	1A	3411	1/1	0.89	0.11	45,45,45,45	0
57	MG	2A	3282	1/1	0.89	0.14	65,65,65,65	0
57	MG	1A	3918	1/1	0.89	0.10	35,35,35,35	0
57	MG	2A	3290	1/1	0.89	0.07	43,43,43,43	0
57	MG	2A	3558	1/1	0.89	0.11	34,34,34,34	0
57	MG	1A	3437	1/1	0.89	0.22	65,65,65,65	0
57	MG	2A	3296	1/1	0.89	0.17	50,50,50,50	0
57	MG	1A	3822	1/1	0.89	0.14	51,51,51,51	0
57	MG	2a	1646	1/1	0.89	0.08	66,66,66,66	0
57	MG	2A	3300	1/1	0.89	0.15	54,54,54,54	0
57	MG	2A	3301	1/1	0.89	0.20	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1B	232	1/1	0.89	0.15	64,64,64,64	0
57	MG	1a	1601	1/1	0.89	0.30	68,68,68,68	0
57	MG	2a	1657	1/1	0.89	0.11	72,72,72,72	0
57	MG	1A	3336	1/1	0.89	0.11	60,60,60,60	0
57	MG	1F	311	1/1	0.89	0.09	38,38,38,38	0
57	MG	1A	3457	1/1	0.89	0.10	41,41,41,41	0
57	MG	2A	3629	1/1	0.89	0.12	46,46,46,46	0
57	MG	2A	3323	1/1	0.89	0.18	48,48,48,48	0
57	MG	2A	3324	1/1	0.89	0.12	60,60,60,60	0
57	MG	1a	1620	1/1	0.89	0.12	50,50,50,50	0
57	MG	2A	3647	1/1	0.89	0.12	46,46,46,46	0
57	MG	2A	3328	1/1	0.89	0.17	76,76,76,76	0
57	MG	1A	4068	1/1	0.89	0.14	61,61,61,61	0
57	MG	2A	3120	1/1	0.89	0.19	66,66,66,66	0
57	MG	2A	3656	1/1	0.89	0.11	59,59,59,59	0
57	MG	1a	1629	1/1	0.89	0.10	49,49,49,49	0
57	MG	2A	3146	1/1	0.89	0.14	51,51,51,51	0
57	MG	2a	1749	1/1	0.89	0.14	65,65,65,65	0
57	MG	2a	1753	1/1	0.89	0.26	69,69,69,69	0
57	MG	2A	3148	1/1	0.89	0.12	61,61,61,61	0
57	MG	1a	1643	1/1	0.89	0.09	63,63,63,63	0
57	MG	2a	1768	1/1	0.89	0.11	56,56,56,56	0
57	MG	1a	1662	1/1	0.89	0.07	51,51,51,51	0
57	MG	2A	3183	1/1	0.89	0.12	62,62,62,62	0
57	MG	2A	3699	1/1	0.89	0.10	53,53,53,53	0
57	MG	1f	202	1/1	0.89	0.12	57,57,57,57	0
57	MG	2a	1788	1/1	0.89	0.18	68,68,68,68	0
57	MG	1A	3844	1/1	0.89	0.09	55,55,55,55	0
57	MG	2A	3374	1/1	0.89	0.08	45,45,45,45	0
57	MG	2A	3383	1/1	0.89	0.10	59,59,59,59	0
57	MG	2A	3195	1/1	0.89	0.19	59,59,59,59	0
57	MG	2A	3716	1/1	0.89	0.13	60,60,60,60	0
57	MG	2A	3201	1/1	0.89	0.08	55,55,55,55	0
57	MG	1v	101	1/1	0.89	0.25	67,67,67,67	0
57	MG	1A	3850	1/1	0.89	0.09	68,68,68,68	0
57	MG	1A	3795	1/1	0.89	0.09	46,46,46,46	0
57	MG	2A	3214	1/1	0.89	0.15	40,40,40,40	0
57	MG	2a	1810	1/1	0.89	0.17	54,54,54,54	0
57	MG	2a	1815	1/1	0.89	0.24	61,61,61,61	0
57	MG	2A	3433	1/1	0.89	0.23	63,63,63,63	0
57	MG	2A	3773	1/1	0.89	0.12	62,62,62,62	0
57	MG	2A	3776	1/1	0.89	0.11	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3707	1/1	0.89	0.14	51,51,51,51	0
57	MG	2a	1824	1/1	0.89	0.11	66,66,66,66	0
57	MG	1A	3368	1/1	0.89	0.18	44,44,44,44	0
57	MG	2l	204	1/1	0.89	0.11	70,70,70,70	0
57	MG	2A	3235	1/1	0.89	0.19	53,53,53,53	0
57	MG	2q	201	1/1	0.89	0.12	61,61,61,61	0
57	MG	2A	3451	1/1	0.89	0.17	62,62,62,62	0
57	MG	1A	3868	1/1	0.89	0.24	45,45,45,45	0
57	MG	2A	3459	1/1	0.89	0.09	44,44,44,44	0
57	MG	2A	3460	1/1	0.89	0.10	42,42,42,42	0
57	MG	2A	3791	1/1	0.89	0.10	58,58,58,58	0
57	MG	2w	107	1/1	0.89	0.17	54,54,54,54	0
57	MG	2A	3798	1/1	0.89	0.15	58,58,58,58	0
57	MG	2A	3810	1/1	0.89	0.15	53,53,53,53	0
57	MG	1a	1695	1/1	0.89	0.12	48,48,48,48	0
57	MG	2A	3782	1/1	0.90	0.18	66,66,66,66	0
57	MG	1A	3392	1/1	0.90	0.07	58,58,58,58	0
57	MG	2A	3190	1/1	0.90	0.14	51,51,51,51	0
57	MG	1A	3589	1/1	0.90	0.21	58,58,58,58	0
57	MG	2A	3192	1/1	0.90	0.23	59,59,59,59	0
57	MG	1a	1756	1/1	0.90	0.07	42,42,42,42	0
57	MG	1a	1760	1/1	0.90	0.23	65,65,65,65	0
57	MG	2A	3809	1/1	0.90	0.18	74,74,74,74	0
57	MG	1R	206	1/1	0.90	0.11	27,27,27,27	0
57	MG	1A	3279	1/1	0.90	0.13	38,38,38,38	0
57	MG	1A	3857	1/1	0.90	0.09	40,40,40,40	0
57	MG	2A	3470	1/1	0.90	0.08	51,51,51,51	0
57	MG	1a	1793	1/1	0.90	0.10	64,64,64,64	0
57	MG	2A	3207	1/1	0.90	0.21	60,60,60,60	0
57	MG	1T	203	1/1	0.90	0.12	32,32,32,32	0
57	MG	1T	205	1/1	0.90	0.10	46,46,46,46	0
57	MG	2A	3496	1/1	0.90	0.09	57,57,57,57	0
57	MG	2A	3223	1/1	0.90	0.12	39,39,39,39	0
57	MG	2A	3503	1/1	0.90	0.12	54,54,54,54	0
57	MG	1W	207	1/1	0.90	0.10	44,44,44,44	0
57	MG	1A	3604	1/1	0.90	0.10	58,58,58,58	0
57	MG	2B	213	1/1	0.90	0.09	65,65,65,65	0
57	MG	1A	3713	1/1	0.90	0.09	46,46,46,46	0
57	MG	2A	3238	1/1	0.90	0.13	47,47,47,47	0
57	MG	1a	1810	1/1	0.90	0.17	51,51,51,51	0
57	MG	2P	201	1/1	0.90	0.13	55,55,55,55	0
57	MG	1A	3607	1/1	0.90	0.14	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3251	1/1	0.90	0.08	44,44,44,44	0
57	MG	2X	101	1/1	0.90	0.09	61,61,61,61	0
57	MG	2X	102	1/1	0.90	0.08	69,69,69,69	0
57	MG	2I	102	1/1	0.90	0.18	51,51,51,51	0
57	MG	1A	3735	1/1	0.90	0.09	60,60,60,60	0
57	MG	2A	3536	1/1	0.90	0.09	47,47,47,47	0
57	MG	1A	3743	1/1	0.90	0.09	54,54,54,54	0
57	MG	2A	3549	1/1	0.90	0.09	48,48,48,48	0
57	MG	2a	1614	1/1	0.90	0.15	56,56,56,56	0
57	MG	2a	1617	1/1	0.90	0.14	65,65,65,65	0
57	MG	15	103	1/1	0.90	0.16	33,33,33,33	0
57	MG	2A	3560	1/1	0.90	0.09	49,49,49,49	0
57	MG	2a	1626	1/1	0.90	0.16	68,68,68,68	0
57	MG	1A	3761	1/1	0.90	0.08	32,32,32,32	0
57	MG	2a	1630	1/1	0.90	0.11	82,82,82,82	0
57	MG	18	105	1/1	0.90	0.11	53,53,53,53	0
57	MG	2a	1636	1/1	0.90	0.17	58,58,58,58	0
57	MG	2a	1638	1/1	0.90	0.27	62,62,62,62	0
57	MG	2a	1644	1/1	0.90	0.09	50,50,50,50	0
57	MG	1A	3762	1/1	0.90	0.08	19,19,19,19	0
57	MG	1A	3905	1/1	0.90	0.17	32,32,32,32	0
57	MG	2A	3582	1/1	0.90	0.12	77,77,77,77	0
57	MG	2A	3591	1/1	0.90	0.10	39,39,39,39	0
57	MG	2a	1652	1/1	0.90	0.16	67,67,67,67	0
57	MG	2A	3281	1/1	0.90	0.16	61,61,61,61	0
57	MG	2A	3594	1/1	0.90	0.11	49,49,49,49	0
57	MG	2A	3595	1/1	0.90	0.19	63,63,63,63	0
57	MG	1x	108	1/1	0.90	0.18	68,68,68,68	0
57	MG	2A	3603	1/1	0.90	0.07	41,41,41,41	0
57	MG	2a	1689	1/1	0.90	0.10	72,72,72,72	0
57	MG	2a	1690	1/1	0.90	0.20	70,70,70,70	0
57	MG	1A	3916	1/1	0.90	0.14	63,63,63,63	0
57	MG	1A	3218	1/1	0.90	0.11	43,43,43,43	0
57	MG	1x	112	1/1	0.90	0.20	66,66,66,66	0
57	MG	2A	3619	1/1	0.90	0.08	63,63,63,63	0
57	MG	1A	3934	1/1	0.90	0.09	60,60,60,60	0
57	MG	1A	3410	1/1	0.90	0.08	45,45,45,45	0
57	MG	2A	3632	1/1	0.90	0.08	51,51,51,51	0
57	MG	2A	3016	1/1	0.90	0.08	54,54,54,54	0
57	MG	2A	3035	1/1	0.90	0.10	47,47,47,47	0
57	MG	2a	1732	1/1	0.90	0.19	60,60,60,60	0
57	MG	2a	1734	1/1	0.90	0.18	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1B	206	1/1	0.90	0.09	47,47,47,47	0
57	MG	2a	1741	1/1	0.90	0.24	66,66,66,66	0
57	MG	1A	3497	1/1	0.90	0.12	61,61,61,61	0
57	MG	2A	3049	1/1	0.90	0.19	41,41,41,41	0
57	MG	2a	1752	1/1	0.90	0.25	57,57,57,57	0
57	MG	2A	3064	1/1	0.90	0.18	53,53,53,53	0
57	MG	2A	3650	1/1	0.90	0.12	47,47,47,47	0
57	MG	1a	1660	1/1	0.90	0.10	50,50,50,50	0
57	MG	2a	1767	1/1	0.90	0.12	71,71,71,71	0
57	MG	2A	3078	1/1	0.90	0.12	47,47,47,47	0
57	MG	1B	220	1/1	0.90	0.09	39,39,39,39	0
57	MG	1a	1669	1/1	0.90	0.14	52,52,52,52	0
57	MG	2A	3327	1/1	0.90	0.06	67,67,67,67	0
57	MG	2A	3675	1/1	0.90	0.12	58,58,58,58	0
57	MG	2A	3679	1/1	0.90	0.14	63,63,63,63	0
57	MG	2A	3683	1/1	0.90	0.12	55,55,55,55	0
57	MG	1A	3349	1/1	0.90	0.16	45,45,45,45	0
57	MG	2A	3687	1/1	0.90	0.14	52,52,52,52	0
57	MG	1A	3324	1/1	0.90	0.21	56,56,56,56	0
57	MG	2A	3690	1/1	0.90	0.09	28,28,28,28	0
57	MG	2A	3691	1/1	0.90	0.18	56,56,56,56	0
57	MG	1A	3268	1/1	0.90	0.11	52,52,52,52	0
57	MG	2a	1804	1/1	0.90	0.09	60,60,60,60	0
57	MG	1a	1681	1/1	0.90	0.19	64,64,64,64	0
57	MG	1A	3661	1/1	0.90	0.14	32,32,32,32	0
57	MG	1a	1685	1/1	0.90	0.16	52,52,52,52	0
57	MG	1A	3670	1/1	0.90	0.07	25,25,25,25	0
57	MG	2a	1813	1/1	0.90	0.22	60,60,60,60	0
57	MG	2A	3109	1/1	0.90	0.18	59,59,59,59	0
57	MG	1A	3810	1/1	0.90	0.11	59,59,59,59	0
57	MG	2A	3712	1/1	0.90	0.09	58,58,58,58	0
57	MG	1A	3369	1/1	0.90	0.14	46,46,46,46	0
57	MG	1A	3335	1/1	0.90	0.10	53,53,53,53	0
57	MG	1G	205	1/1	0.90	0.08	49,49,49,49	0
57	MG	2a	1829	1/1	0.90	0.13	63,63,63,63	0
57	MG	2A	3131	1/1	0.90	0.09	57,57,57,57	0
57	MG	2g	201	1/1	0.90	0.11	66,66,66,66	0
57	MG	2j	201	1/1	0.90	0.08	70,70,70,70	0
57	MG	2A	3132	1/1	0.90	0.14	41,41,41,41	0
57	MG	1A	3685	1/1	0.90	0.10	12,12,12,12	0
57	MG	2A	3739	1/1	0.90	0.09	47,47,47,47	0
57	MG	2A	3744	1/1	0.90	0.13	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3752	1/1	0.90	0.11	57,57,57,57	0
57	MG	2A	3765	1/1	0.90	0.18	60,60,60,60	0
57	MG	1a	1720	1/1	0.90	0.19	59,59,59,59	0
57	MG	2A	3158	1/1	0.90	0.11	51,51,51,51	0
57	MG	1A	3389	1/1	0.90	0.10	58,58,58,58	0
57	MG	2w	109	1/1	0.90	0.07	73,73,73,73	0
57	MG	2A	3416	1/1	0.90	0.18	57,57,57,57	0
57	MG	2A	3418	1/1	0.90	0.23	51,51,51,51	0
57	MG	1A	3571	1/1	0.90	0.17	45,45,45,45	0
60	ZN	14	102	1/1	0.90	0.12	122,122,122,122	0
57	MG	1A	3944	1/1	0.91	0.12	52,52,52,52	0
57	MG	1A	3776	1/1	0.91	0.09	41,41,41,41	0
57	MG	2A	3186	1/1	0.91	0.11	59,59,59,59	0
57	MG	2A	3799	1/1	0.91	0.09	45,45,45,45	0
57	MG	2A	3805	1/1	0.91	0.10	56,56,56,56	0
57	MG	1A	3947	1/1	0.91	0.08	39,39,39,39	0
57	MG	1A	3778	1/1	0.91	0.22	62,62,62,62	0
57	MG	1A	3787	1/1	0.91	0.18	74,74,74,74	0
57	MG	2A	3473	1/1	0.91	0.11	57,57,57,57	0
57	MG	1A	3445	1/1	0.91	0.14	58,58,58,58	0
57	MG	1A	3177	1/1	0.91	0.22	38,38,38,38	0
57	MG	1A	3325	1/1	0.91	0.08	38,38,38,38	0
57	MG	1A	3971	1/1	0.91	0.12	22,22,22,22	0
57	MG	1a	1791	1/1	0.91	0.08	59,59,59,59	0
57	MG	1A	3029	1/1	0.91	0.16	37,37,37,37	0
57	MG	1A	3095	1/1	0.91	0.07	46,46,46,46	0
57	MG	1A	3806	1/1	0.91	0.10	50,50,50,50	0
57	MG	1A	3002	1/1	0.91	0.15	60,60,60,60	0
57	MG	2B	202	1/1	0.91	0.08	48,48,48,48	0
57	MG	2B	206	1/1	0.91	0.20	65,65,65,65	0
57	MG	2A	3513	1/1	0.91	0.12	54,54,54,54	0
57	MG	1A	3989	1/1	0.91	0.10	51,51,51,51	0
57	MG	1V	206	1/1	0.91	0.10	61,61,61,61	0
57	MG	2B	216	1/1	0.91	0.09	58,58,58,58	0
57	MG	2A	3234	1/1	0.91	0.20	54,54,54,54	0
57	MG	2D	302	1/1	0.91	0.13	52,52,52,52	0
57	MG	2D	304	1/1	0.91	0.10	40,40,40,40	0
57	MG	2F	304	1/1	0.91	0.08	45,45,45,45	0
57	MG	2F	308	1/1	0.91	0.14	50,50,50,50	0
57	MG	2A	3525	1/1	0.91	0.12	55,55,55,55	0
57	MG	1W	201	1/1	0.91	0.13	33,33,33,33	0
57	MG	1A	3100	1/1	0.91	0.19	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1X	107	1/1	0.91	0.08	57,57,57,57	0
57	MG	2A	3239	1/1	0.91	0.08	45,45,45,45	0
57	MG	1A	4001	1/1	0.91	0.10	47,47,47,47	0
57	MG	2Z	301	1/1	0.91	0.07	62,62,62,62	0
57	MG	1h	201	1/1	0.91	0.07	63,63,63,63	0
57	MG	26	101	1/1	0.91	0.12	39,39,39,39	0
57	MG	28	102	1/1	0.91	0.13	55,55,55,55	0
57	MG	2A	3554	1/1	0.91	0.06	46,46,46,46	0
57	MG	1n	101	1/1	0.91	0.24	56,56,56,56	0
57	MG	1A	3475	1/1	0.91	0.13	38,38,38,38	0
57	MG	2A	3561	1/1	0.91	0.14	63,63,63,63	0
57	MG	2A	3258	1/1	0.91	0.14	56,56,56,56	0
57	MG	2A	3566	1/1	0.91	0.09	50,50,50,50	0
57	MG	1A	3120	1/1	0.91	0.22	30,30,30,30	0
57	MG	2A	3265	1/1	0.91	0.11	54,54,54,54	0
57	MG	1A	3674	1/1	0.91	0.12	37,37,37,37	0
57	MG	1A	4020	1/1	0.91	0.09	49,49,49,49	0
57	MG	2a	1629	1/1	0.91	0.17	62,62,62,62	0
57	MG	1A	3355	1/1	0.91	0.12	42,42,42,42	0
57	MG	15	105	1/1	0.91	0.13	36,36,36,36	0
57	MG	1A	4027	1/1	0.91	0.09	32,32,32,32	0
57	MG	1A	3242	1/1	0.91	0.21	38,38,38,38	0
57	MG	2a	1640	1/1	0.91	0.24	63,63,63,63	0
57	MG	1A	4050	1/1	0.91	0.11	48,48,48,48	0
57	MG	2a	1645	1/1	0.91	0.10	62,62,62,62	0
57	MG	2A	3285	1/1	0.91	0.10	56,56,56,56	0
57	MG	2A	3286	1/1	0.91	0.13	52,52,52,52	0
57	MG	1A	3244	1/1	0.91	0.12	40,40,40,40	0
57	MG	1A	3254	1/1	0.91	0.12	47,47,47,47	0
57	MG	1a	1604	1/1	0.91	0.07	53,53,53,53	0
57	MG	2A	3295	1/1	0.91	0.10	46,46,46,46	0
57	MG	2a	1655	1/1	0.91	0.09	50,50,50,50	0
57	MG	1A	3704	1/1	0.91	0.12	44,44,44,44	0
57	MG	2a	1658	1/1	0.91	0.17	67,67,67,67	0
57	MG	2a	1659	1/1	0.91	0.07	60,60,60,60	0
57	MG	2a	1669	1/1	0.91	0.29	62,62,62,62	0
57	MG	2a	1675	1/1	0.91	0.09	61,61,61,61	0
57	MG	2a	1678	1/1	0.91	0.13	57,57,57,57	0
57	MG	2A	3631	1/1	0.91	0.10	46,46,46,46	0
57	MG	2A	3297	1/1	0.91	0.12	62,62,62,62	0
57	MG	1A	3257	1/1	0.91	0.11	53,53,53,53	0
57	MG	1A	3706	1/1	0.91	0.09	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1624	1/1	0.91	0.11	51,51,51,51	0
57	MG	2A	3645	1/1	0.91	0.14	71,71,71,71	0
57	MG	2a	1693	1/1	0.91	0.14	58,58,58,58	0
57	MG	2A	3050	1/1	0.91	0.16	66,66,66,66	0
57	MG	1A	3519	1/1	0.91	0.06	58,58,58,58	0
57	MG	2a	1701	1/1	0.91	0.17	51,51,51,51	0
57	MG	2A	3309	1/1	0.91	0.20	49,49,49,49	0
57	MG	2A	3066	1/1	0.91	0.18	71,71,71,71	0
57	MG	2a	1709	1/1	0.91	0.18	65,65,65,65	0
57	MG	2A	3651	1/1	0.91	0.18	66,66,66,66	0
57	MG	2a	1717	1/1	0.91	0.14	53,53,53,53	0
57	MG	2A	3070	1/1	0.91	0.11	54,54,54,54	0
57	MG	1A	3132	1/1	0.91	0.11	46,46,46,46	0
57	MG	1A	3271	1/1	0.91	0.16	48,48,48,48	0
57	MG	2A	3662	1/1	0.91	0.07	51,51,51,51	0
57	MG	1A	3876	1/1	0.91	0.09	52,52,52,52	0
57	MG	2A	3083	1/1	0.91	0.12	51,51,51,51	0
57	MG	1A	3273	1/1	0.91	0.07	43,43,43,43	0
57	MG	1A	3147	1/1	0.91	0.08	25,25,25,25	0
57	MG	2A	3681	1/1	0.91	0.13	53,53,53,53	0
57	MG	2A	3682	1/1	0.91	0.10	45,45,45,45	0
57	MG	1A	4088	1/1	0.91	0.27	45,45,45,45	0
57	MG	1A	3407	1/1	0.91	0.08	37,37,37,37	0
57	MG	2A	3685	1/1	0.91	0.13	61,61,61,61	0
57	MG	2a	1757	1/1	0.91	0.17	63,63,63,63	0
57	MG	2a	1765	1/1	0.91	0.13	77,77,77,77	0
57	MG	2A	3686	1/1	0.91	0.09	64,64,64,64	0
57	MG	2A	3331	1/1	0.91	0.10	52,52,52,52	0
57	MG	1A	3294	1/1	0.91	0.08	36,36,36,36	0
57	MG	2A	3102	1/1	0.91	0.13	46,46,46,46	0
57	MG	1B	207	1/1	0.91	0.18	59,59,59,59	0
57	MG	2A	3693	1/1	0.91	0.17	66,66,66,66	0
57	MG	1B	215	1/1	0.91	0.07	32,32,32,32	0
57	MG	1A	3909	1/1	0.91	0.10	31,31,31,31	0
57	MG	2A	3353	1/1	0.91	0.07	67,67,67,67	0
57	MG	1a	1689	1/1	0.91	0.22	42,42,42,42	0
57	MG	1A	3910	1/1	0.91	0.12	45,45,45,45	0
57	MG	1A	3307	1/1	0.91	0.08	40,40,40,40	0
57	MG	2A	3707	1/1	0.91	0.08	61,61,61,61	0
57	MG	2A	3358	1/1	0.91	0.13	53,53,53,53	0
57	MG	2A	3711	1/1	0.91	0.09	51,51,51,51	0
57	MG	2A	3367	1/1	0.91	0.15	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1807	1/1	0.91	0.17	61,61,61,61	0
57	MG	2A	3369	1/1	0.91	0.08	52,52,52,52	0
57	MG	1a	1699	1/1	0.91	0.10	61,61,61,61	0
57	MG	1A	3417	1/1	0.91	0.13	45,45,45,45	0
57	MG	1A	3932	1/1	0.91	0.07	22,22,22,22	0
57	MG	2a	1814	1/1	0.91	0.12	61,61,61,61	0
57	MG	1a	1708	1/1	0.91	0.36	66,66,66,66	0
57	MG	2A	3733	1/1	0.91	0.08	50,50,50,50	0
57	MG	2A	3391	1/1	0.91	0.09	56,56,56,56	0
57	MG	2A	3737	1/1	0.91	0.10	52,52,52,52	0
57	MG	2a	1821	1/1	0.91	0.14	66,66,66,66	0
57	MG	2A	3738	1/1	0.91	0.08	41,41,41,41	0
57	MG	2A	3135	1/1	0.91	0.12	60,60,60,60	0
57	MG	2a	1825	1/1	0.91	0.23	61,61,61,61	0
57	MG	2a	1828	1/1	0.91	0.13	52,52,52,52	0
57	MG	2A	3740	1/1	0.91	0.09	56,56,56,56	0
57	MG	2A	3399	1/1	0.91	0.21	50,50,50,50	0
57	MG	2A	3749	1/1	0.91	0.11	64,64,64,64	0
57	MG	2A	3142	1/1	0.91	0.18	54,54,54,54	0
57	MG	2l	201	1/1	0.91	0.14	68,68,68,68	0
57	MG	2A	3754	1/1	0.91	0.10	61,61,61,61	0
57	MG	2A	3761	1/1	0.91	0.09	52,52,52,52	0
57	MG	2A	3405	1/1	0.91	0.27	53,53,53,53	0
57	MG	1A	3082	1/1	0.91	0.24	34,34,34,34	0
57	MG	2A	3411	1/1	0.91	0.28	63,63,63,63	0
57	MG	2A	3775	1/1	0.91	0.19	74,74,74,74	0
57	MG	1a	1715	1/1	0.91	0.20	52,52,52,52	0
57	MG	2A	3152	1/1	0.91	0.09	36,36,36,36	0
57	MG	2A	3157	1/1	0.91	0.08	66,66,66,66	0
57	MG	2A	3423	1/1	0.91	0.19	58,58,58,58	0
57	MG	1A	3612	1/1	0.91	0.09	10,10,10,10	0
57	MG	1a	1723	1/1	0.91	0.23	69,69,69,69	0
57	MG	2A	3173	1/1	0.91	0.12	61,61,61,61	0
57	MG	2y	106	1/1	0.91	0.12	64,64,64,64	0
57	MG	2A	3179	1/1	0.91	0.15	68,68,68,68	0
57	MG	1A	4085	1/1	0.92	0.16	58,58,58,58	0
57	MG	1A	3592	1/1	0.92	0.11	66,66,66,66	0
57	MG	2A	3461	1/1	0.92	0.11	47,47,47,47	0
57	MG	2A	3837	1/1	0.92	0.10	56,56,56,56	0
57	MG	2A	3464	1/1	0.92	0.09	53,53,53,53	0
57	MG	2A	3467	1/1	0.92	0.23	51,51,51,51	0
57	MG	2A	3172	1/1	0.92	0.10	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3593	1/1	0.92	0.07	39,39,39,39	0
57	MG	1a	1696	1/1	0.92	0.17	43,43,43,43	0
57	MG	1a	1698	1/1	0.92	0.12	53,53,53,53	0
57	MG	1A	3596	1/1	0.92	0.07	44,44,44,44	0
57	MG	2B	207	1/1	0.92	0.11	47,47,47,47	0
57	MG	2A	3185	1/1	0.92	0.15	54,54,54,54	0
57	MG	1a	1701	1/1	0.92	0.12	50,50,50,50	0
57	MG	2B	214	1/1	0.92	0.14	50,50,50,50	0
57	MG	1A	3603	1/1	0.92	0.09	31,31,31,31	0
57	MG	1a	1704	1/1	0.92	0.10	56,56,56,56	0
57	MG	1B	210	1/1	0.92	0.10	49,49,49,49	0
57	MG	1a	1707	1/1	0.92	0.09	50,50,50,50	0
57	MG	1A	3026	1/1	0.92	0.16	63,63,63,63	0
57	MG	2E	307	1/1	0.92	0.11	51,51,51,51	0
57	MG	2F	303	1/1	0.92	0.13	57,57,57,57	0
57	MG	1a	1709	1/1	0.92	0.12	56,56,56,56	0
57	MG	1A	3235	1/1	0.92	0.33	35,35,35,35	0
57	MG	2A	3519	1/1	0.92	0.10	35,35,35,35	0
57	MG	1A	3942	1/1	0.92	0.07	49,49,49,49	0
57	MG	2Q	202	1/1	0.92	0.11	52,52,52,52	0
57	MG	1A	3297	1/1	0.92	0.30	62,62,62,62	0
57	MG	2T	201	1/1	0.92	0.12	56,56,56,56	0
57	MG	1a	1721	1/1	0.92	0.08	52,52,52,52	0
57	MG	2A	3208	1/1	0.92	0.35	63,63,63,63	0
57	MG	1a	1722	1/1	0.92	0.12	71,71,71,71	0
57	MG	1B	223	1/1	0.92	0.12	61,61,61,61	0
57	MG	20	101	1/1	0.92	0.18	52,52,52,52	0
57	MG	2A	3534	1/1	0.92	0.10	45,45,45,45	0
57	MG	1a	1724	1/1	0.92	0.39	67,67,67,67	0
57	MG	27	102	1/1	0.92	0.16	53,53,53,53	0
57	MG	1A	3617	1/1	0.92	0.08	27,27,27,27	0
57	MG	28	103	1/1	0.92	0.16	53,53,53,53	0
57	MG	1A	3302	1/1	0.92	0.23	55,55,55,55	0
57	MG	1D	311	1/1	0.92	0.12	41,41,41,41	0
57	MG	1A	3791	1/1	0.92	0.08	23,23,23,23	0
57	MG	2a	1609	1/1	0.92	0.14	73,73,73,73	0
57	MG	1A	3464	1/1	0.92	0.09	49,49,49,49	0
57	MG	2a	1612	1/1	0.92	0.21	59,59,59,59	0
57	MG	1A	3467	1/1	0.92	0.08	39,39,39,39	0
57	MG	1G	202	1/1	0.92	0.21	64,64,64,64	0
57	MG	2A	3242	1/1	0.92	0.19	62,62,62,62	0
57	MG	2A	3569	1/1	0.92	0.16	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3243	1/1	0.92	0.15	58,58,58,58	0
57	MG	2A	3573	1/1	0.92	0.12	48,48,48,48	0
57	MG	2A	3245	1/1	0.92	0.16	62,62,62,62	0
57	MG	1A	3958	1/1	0.92	0.11	62,62,62,62	0
57	MG	1A	3959	1/1	0.92	0.10	50,50,50,50	0
57	MG	2a	1634	1/1	0.92	0.29	63,63,63,63	0
57	MG	2a	1635	1/1	0.92	0.12	72,72,72,72	0
57	MG	1A	3184	1/1	0.92	0.18	42,42,42,42	0
57	MG	2a	1637	1/1	0.92	0.15	58,58,58,58	0
57	MG	1N	205	1/1	0.92	0.07	51,51,51,51	0
57	MG	1A	3962	1/1	0.92	0.10	65,65,65,65	0
57	MG	2a	1642	1/1	0.92	0.09	57,57,57,57	0
57	MG	1A	3386	1/1	0.92	0.08	47,47,47,47	0
57	MG	2A	3596	1/1	0.92	0.10	50,50,50,50	0
57	MG	1A	3076	1/1	0.92	0.10	45,45,45,45	0
57	MG	2A	3267	1/1	0.92	0.37	59,59,59,59	0
57	MG	1A	3967	1/1	0.92	0.10	60,60,60,60	0
57	MG	1A	3805	1/1	0.92	0.08	39,39,39,39	0
57	MG	2A	3614	1/1	0.92	0.10	49,49,49,49	0
57	MG	2A	3270	1/1	0.92	0.10	53,53,53,53	0
57	MG	1A	3314	1/1	0.92	0.18	57,57,57,57	0
57	MG	2A	3625	1/1	0.92	0.07	47,47,47,47	0
57	MG	2A	3626	1/1	0.92	0.13	48,48,48,48	0
57	MG	2A	3276	1/1	0.92	0.16	47,47,47,47	0
57	MG	2a	1667	1/1	0.92	0.09	43,43,43,43	0
57	MG	2A	3277	1/1	0.92	0.12	55,55,55,55	0
57	MG	2a	1673	1/1	0.92	0.17	57,57,57,57	0
57	MG	2A	3630	1/1	0.92	0.09	41,41,41,41	0
57	MG	2a	1677	1/1	0.92	0.15	68,68,68,68	0
57	MG	1A	3974	1/1	0.92	0.07	23,23,23,23	0
57	MG	1S	203	1/1	0.92	0.09	56,56,56,56	0
57	MG	1A	3079	1/1	0.92	0.25	35,35,35,35	0
57	MG	2A	3284	1/1	0.92	0.08	55,55,55,55	0
57	MG	1A	3023	1/1	0.92	0.08	45,45,45,45	0
57	MG	2A	3643	1/1	0.92	0.13	56,56,56,56	0
57	MG	1A	3406	1/1	0.92	0.07	44,44,44,44	0
57	MG	1V	204	1/1	0.92	0.08	32,32,32,32	0
57	MG	2a	1695	1/1	0.92	0.14	66,66,66,66	0
57	MG	1A	3264	1/1	0.92	0.09	48,48,48,48	0
57	MG	1A	3679	1/1	0.92	0.08	43,43,43,43	0
57	MG	2a	1700	1/1	0.92	0.18	57,57,57,57	0
57	MG	1A	3995	1/1	0.92	0.10	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1704	1/1	0.92	0.13	75,75,75,75	0
57	MG	1W	210	1/1	0.92	0.09	30,30,30,30	0
57	MG	1x	107	1/1	0.92	0.10	58,58,58,58	0
57	MG	2A	3298	1/1	0.92	0.10	51,51,51,51	0
57	MG	1A	3999	1/1	0.92	0.09	33,33,33,33	0
57	MG	2a	1716	1/1	0.92	0.12	36,36,36,36	0
57	MG	1A	3333	1/1	0.92	0.12	45,45,45,45	0
57	MG	1Z	303	1/1	0.92	0.10	64,64,64,64	0
57	MG	2a	1721	1/1	0.92	0.12	52,52,52,52	0
57	MG	2a	1722	1/1	0.92	0.10	66,66,66,66	0
57	MG	1A	3216	1/1	0.92	0.07	40,40,40,40	0
57	MG	2a	1725	1/1	0.92	0.14	60,60,60,60	0
57	MG	2a	1727	1/1	0.92	0.20	61,61,61,61	0
57	MG	2A	3672	1/1	0.92	0.10	45,45,45,45	0
57	MG	1A	4011	1/1	0.92	0.15	55,55,55,55	0
57	MG	1A	3839	1/1	0.92	0.08	36,36,36,36	0
57	MG	1A	3412	1/1	0.92	0.21	49,49,49,49	0
57	MG	1A	3165	1/1	0.92	0.17	48,48,48,48	0
57	MG	2a	1743	1/1	0.92	0.26	62,62,62,62	0
57	MG	2A	3041	1/1	0.92	0.13	47,47,47,47	0
57	MG	2a	1745	1/1	0.92	0.11	65,65,65,65	0
57	MG	2a	1748	1/1	0.92	0.14	52,52,52,52	0
57	MG	1A	3847	1/1	0.92	0.14	41,41,41,41	0
57	MG	2a	1751	1/1	0.92	0.29	69,69,69,69	0
57	MG	1A	4023	1/1	0.92	0.09	49,49,49,49	0
57	MG	18	101	1/1	0.92	0.17	48,48,48,48	0
57	MG	18	104	1/1	0.92	0.13	41,41,41,41	0
57	MG	2A	3059	1/1	0.92	0.16	55,55,55,55	0
57	MG	2A	3063	1/1	0.92	0.14	48,48,48,48	0
57	MG	2a	1758	1/1	0.92	0.14	57,57,57,57	0
57	MG	2a	1761	1/1	0.92	0.08	67,67,67,67	0
57	MG	1A	4025	1/1	0.92	0.09	30,30,30,30	0
57	MG	1A	3565	1/1	0.92	0.08	23,23,23,23	0
57	MG	2A	3332	1/1	0.92	0.10	43,43,43,43	0
57	MG	1A	4030	1/1	0.92	0.07	43,43,43,43	0
57	MG	2A	3335	1/1	0.92	0.13	53,53,53,53	0
57	MG	2a	1778	1/1	0.92	0.09	67,67,67,67	0
57	MG	1A	3418	1/1	0.92	0.16	45,45,45,45	0
57	MG	2A	3073	1/1	0.92	0.12	65,65,65,65	0
57	MG	2a	1784	1/1	0.92	0.18	55,55,55,55	0
57	MG	2a	1787	1/1	0.92	0.13	59,59,59,59	0
57	MG	1A	4047	1/1	0.92	0.09	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3342	1/1	0.92	0.31	57,57,57,57	0
57	MG	2A	3346	1/1	0.92	0.07	49,49,49,49	0
57	MG	1A	3227	1/1	0.92	0.14	22,22,22,22	0
57	MG	2A	3352	1/1	0.92	0.12	49,49,49,49	0
57	MG	1a	1613	1/1	0.92	0.08	59,59,59,59	0
57	MG	1A	3863	1/1	0.92	0.10	29,29,29,29	0
57	MG	1A	4058	1/1	0.92	0.16	41,41,41,41	0
57	MG	1A	4059	1/1	0.92	0.09	42,42,42,42	0
57	MG	2a	1805	1/1	0.92	0.06	51,51,51,51	0
57	MG	2A	3094	1/1	0.92	0.12	53,53,53,53	0
57	MG	2A	3362	1/1	0.92	0.13	65,65,65,65	0
57	MG	2A	3098	1/1	0.92	0.14	59,59,59,59	0
57	MG	1a	1628	1/1	0.92	0.15	48,48,48,48	0
57	MG	1A	4066	1/1	0.92	0.10	54,54,54,54	0
57	MG	2A	3378	1/1	0.92	0.12	62,62,62,62	0
57	MG	1a	1632	1/1	0.92	0.13	54,54,54,54	0
57	MG	1a	1636	1/1	0.92	0.12	51,51,51,51	0
57	MG	2A	3747	1/1	0.92	0.10	42,42,42,42	0
57	MG	2a	1818	1/1	0.92	0.23	63,63,63,63	0
57	MG	1A	3581	1/1	0.92	0.16	42,42,42,42	0
57	MG	1a	1654	1/1	0.92	0.13	53,53,53,53	0
57	MG	1A	3274	1/1	0.92	0.07	39,39,39,39	0
57	MG	2A	3397	1/1	0.92	0.16	41,41,41,41	0
57	MG	2A	3398	1/1	0.92	0.15	46,46,46,46	0
57	MG	1A	3710	1/1	0.92	0.11	23,23,23,23	0
57	MG	2a	1827	1/1	0.92	0.14	55,55,55,55	0
57	MG	2A	3771	1/1	0.92	0.11	71,71,71,71	0
57	MG	2A	3402	1/1	0.92	0.18	51,51,51,51	0
57	MG	1A	3870	1/1	0.92	0.23	38,38,38,38	0
57	MG	1a	1671	1/1	0.92	0.07	62,62,62,62	0
57	MG	2A	3122	1/1	0.92	0.09	53,53,53,53	0
57	MG	2A	3409	1/1	0.92	0.17	44,44,44,44	0
57	MG	2A	3410	1/1	0.92	0.10	49,49,49,49	0
57	MG	2A	3125	1/1	0.92	0.12	60,60,60,60	0
57	MG	1A	3354	1/1	0.92	0.13	64,64,64,64	0
57	MG	1A	3591	1/1	0.92	0.10	42,42,42,42	0
57	MG	2v	102	1/1	0.92	0.15	57,57,57,57	0
57	MG	1A	3725	1/1	0.92	0.13	56,56,56,56	0
57	MG	2A	3422	1/1	0.92	0.23	55,55,55,55	0
57	MG	1A	4078	1/1	0.92	0.07	41,41,41,41	0
57	MG	2A	3431	1/1	0.92	0.18	59,59,59,59	0
57	MG	1a	1682	1/1	0.92	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
57	MG	1A	3880	1/1	0.92	0.12	24,24,24,24	0
57	MG	1a	1684	1/1	0.92	0.14	60,60,60,60	0
57	MG	2A	3151	1/1	0.92	0.14	53,53,53,53	0
57	MG	2y	103	1/1	0.92	0.09	43,43,43,43	0
57	MG	2y	104	1/1	0.92	0.10	73,73,73,73	0
57	MG	1A	3731	1/1	0.92	0.10	53,53,53,53	0
57	MG	1A	3734	1/1	0.92	0.09	43,43,43,43	0
57	MG	2A	3457	1/1	0.92	0.15	55,55,55,55	0
57	MG	1A	3312	1/1	0.93	0.06	28,28,28,28	0
57	MG	2A	3138	1/1	0.93	0.21	45,45,45,45	0
57	MG	2A	3426	1/1	0.93	0.08	44,44,44,44	0
57	MG	2A	3830	1/1	0.93	0.06	37,37,37,37	0
57	MG	1A	4072	1/1	0.93	0.12	41,41,41,41	0
57	MG	1A	3700	1/1	0.93	0.07	29,29,29,29	0
57	MG	2A	3434	1/1	0.93	0.21	48,48,48,48	0
57	MG	2A	3147	1/1	0.93	0.18	65,65,65,65	0
57	MG	1A	3251	1/1	0.93	0.09	58,58,58,58	0
57	MG	1A	3252	1/1	0.93	0.08	45,45,45,45	0
57	MG	2A	3850	1/1	0.93	0.10	57,57,57,57	0
57	MG	2A	3449	1/1	0.93	0.13	56,56,56,56	0
57	MG	1A	3253	1/1	0.93	0.09	47,47,47,47	0
57	MG	1A	3529	1/1	0.93	0.21	44,44,44,44	0
57	MG	2B	204	1/1	0.93	0.12	61,61,61,61	0
57	MG	1A	3531	1/1	0.93	0.20	45,45,45,45	0
57	MG	1A	3883	1/1	0.93	0.12	34,34,34,34	0
57	MG	2A	3162	1/1	0.93	0.14	52,52,52,52	0
57	MG	2A	3164	1/1	0.93	0.06	65,65,65,65	0
57	MG	2A	3170	1/1	0.93	0.06	44,44,44,44	0
57	MG	2A	3465	1/1	0.93	0.09	36,36,36,36	0
57	MG	2A	3466	1/1	0.93	0.06	53,53,53,53	0
57	MG	1A	3889	1/1	0.93	0.10	23,23,23,23	0
57	MG	1A	4087	1/1	0.93	0.20	53,53,53,53	0
57	MG	1A	3326	1/1	0.93	0.09	35,35,35,35	0
57	MG	2D	305	1/1	0.93	0.22	60,60,60,60	0
57	MG	2E	301	1/1	0.93	0.14	55,55,55,55	0
57	MG	2A	3472	1/1	0.93	0.20	56,56,56,56	0
57	MG	1A	3894	1/1	0.93	0.08	44,44,44,44	0
57	MG	1A	3904	1/1	0.93	0.16	37,37,37,37	0
57	MG	1A	3538	1/1	0.93	0.11	39,39,39,39	0
57	MG	2A	3480	1/1	0.93	0.13	49,49,49,49	0
57	MG	2A	3489	1/1	0.93	0.11	57,57,57,57	0
57	MG	1A	3155	1/1	0.93	0.13	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3716	1/1	0.93	0.11	37,37,37,37	0
57	MG	2A	3495	1/1	0.93	0.08	61,61,61,61	0
57	MG	2U	202	1/1	0.93	0.13	50,50,50,50	0
57	MG	1a	1702	1/1	0.93	0.22	55,55,55,55	0
57	MG	2A	3498	1/1	0.93	0.19	55,55,55,55	0
57	MG	1A	3912	1/1	0.93	0.07	33,33,33,33	0
57	MG	2A	3501	1/1	0.93	0.06	72,72,72,72	0
57	MG	1A	3557	1/1	0.93	0.26	60,60,60,60	0
57	MG	1A	3722	1/1	0.93	0.12	66,66,66,66	0
57	MG	25	104	1/1	0.93	0.10	55,55,55,55	0
57	MG	2A	3505	1/1	0.93	0.23	56,56,56,56	0
57	MG	2A	3506	1/1	0.93	0.15	58,58,58,58	0
57	MG	1A	3922	1/1	0.93	0.09	39,39,39,39	0
57	MG	1A	3928	1/1	0.93	0.09	52,52,52,52	0
57	MG	2a	1601	1/1	0.93	0.12	59,59,59,59	0
57	MG	1B	230	1/1	0.93	0.17	57,57,57,57	0
57	MG	1a	1711	1/1	0.93	0.43	69,69,69,69	0
57	MG	1A	3724	1/1	0.93	0.09	43,43,43,43	0
57	MG	2A	3523	1/1	0.93	0.08	50,50,50,50	0
57	MG	1A	3933	1/1	0.93	0.10	33,33,33,33	0
57	MG	1a	1717	1/1	0.93	0.09	51,51,51,51	0
57	MG	1a	1718	1/1	0.93	0.15	41,41,41,41	0
57	MG	2A	3218	1/1	0.93	0.10	60,60,60,60	0
57	MG	2a	1618	1/1	0.93	0.21	60,60,60,60	0
57	MG	1A	3558	1/1	0.93	0.15	49,49,49,49	0
57	MG	2A	3226	1/1	0.93	0.14	51,51,51,51	0
57	MG	2a	1622	1/1	0.93	0.08	60,60,60,60	0
57	MG	1A	3938	1/1	0.93	0.07	41,41,41,41	0
57	MG	2A	3538	1/1	0.93	0.07	41,41,41,41	0
57	MG	2a	1628	1/1	0.93	0.15	57,57,57,57	0
57	MG	2A	3541	1/1	0.93	0.09	46,46,46,46	0
57	MG	2A	3231	1/1	0.93	0.10	56,56,56,56	0
57	MG	1F	313	1/1	0.93	0.33	55,55,55,55	0
57	MG	2a	1633	1/1	0.93	0.25	54,54,54,54	0
57	MG	2A	3551	1/1	0.93	0.17	44,44,44,44	0
57	MG	1A	3941	1/1	0.93	0.08	48,48,48,48	0
57	MG	1A	3562	1/1	0.93	0.10	34,34,34,34	0
57	MG	1A	3733	1/1	0.93	0.07	38,38,38,38	0
57	MG	1A	3416	1/1	0.93	0.08	54,54,54,54	0
57	MG	1A	3211	1/1	0.93	0.06	42,42,42,42	0
57	MG	2a	1641	1/1	0.93	0.16	59,59,59,59	0
57	MG	1I	201	1/1	0.93	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
57	MG	2a	1643	1/1	0.93	0.22	62,62,62,62	0
57	MG	1N	204	1/1	0.93	0.11	41,41,41,41	0
57	MG	1A	3576	1/1	0.93	0.10	40,40,40,40	0
57	MG	2A	3246	1/1	0.93	0.07	48,48,48,48	0
57	MG	1A	3948	1/1	0.93	0.09	49,49,49,49	0
57	MG	2A	3575	1/1	0.93	0.10	53,53,53,53	0
57	MG	1O	202	1/1	0.93	0.13	64,64,64,64	0
57	MG	1A	3746	1/1	0.93	0.07	49,49,49,49	0
57	MG	2A	3589	1/1	0.93	0.13	57,57,57,57	0
57	MG	2a	1654	1/1	0.93	0.06	48,48,48,48	0
57	MG	1a	1770	1/1	0.93	0.12	53,53,53,53	0
57	MG	2a	1656	1/1	0.93	0.09	67,67,67,67	0
57	MG	1a	1774	1/1	0.93	0.08	61,61,61,61	0
57	MG	2A	3263	1/1	0.93	0.08	63,63,63,63	0
57	MG	1a	1775	1/1	0.93	0.14	50,50,50,50	0
57	MG	2a	1660	1/1	0.93	0.20	59,59,59,59	0
57	MG	1a	1790	1/1	0.93	0.08	74,74,74,74	0
57	MG	1A	3955	1/1	0.93	0.09	30,30,30,30	0
57	MG	2a	1672	1/1	0.93	0.17	53,53,53,53	0
57	MG	1A	3752	1/1	0.93	0.12	40,40,40,40	0
57	MG	1R	202	1/1	0.93	0.13	41,41,41,41	0
57	MG	2a	1676	1/1	0.93	0.12	73,73,73,73	0
57	MG	1a	1800	1/1	0.93	0.21	64,64,64,64	0
57	MG	1A	3755	1/1	0.93	0.10	49,49,49,49	0
57	MG	2A	3272	1/1	0.93	0.06	32,32,32,32	0
57	MG	2a	1680	1/1	0.93	0.15	64,64,64,64	0
57	MG	2A	3275	1/1	0.93	0.09	52,52,52,52	0
57	MG	2A	3620	1/1	0.93	0.09	54,54,54,54	0
57	MG	1A	3757	1/1	0.93	0.10	20,20,20,20	0
57	MG	1S	201	1/1	0.93	0.19	46,46,46,46	0
57	MG	1A	3160	1/1	0.93	0.08	55,55,55,55	0
57	MG	1A	3422	1/1	0.93	0.07	40,40,40,40	0
57	MG	1T	201	1/1	0.93	0.12	49,49,49,49	0
57	MG	1A	3586	1/1	0.93	0.19	43,43,43,43	0
57	MG	1f	201	1/1	0.93	0.08	39,39,39,39	0
57	MG	1A	3432	1/1	0.93	0.18	44,44,44,44	0
57	MG	2A	3288	1/1	0.93	0.07	58,58,58,58	0
57	MG	2a	1702	1/1	0.93	0.12	56,56,56,56	0
57	MG	2a	1703	1/1	0.93	0.10	69,69,69,69	0
57	MG	2A	3639	1/1	0.93	0.13	55,55,55,55	0
57	MG	1A	3161	1/1	0.93	0.18	39,39,39,39	0
57	MG	1V	201	1/1	0.93	0.18	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3644	1/1	0.93	0.10	59,59,59,59	0
57	MG	2a	1713	1/1	0.93	0.09	69,69,69,69	0
57	MG	2A	3292	1/1	0.93	0.14	41,41,41,41	0
57	MG	2a	1715	1/1	0.93	0.09	53,53,53,53	0
57	MG	1A	3968	1/1	0.93	0.11	51,51,51,51	0
57	MG	1A	3969	1/1	0.93	0.09	48,48,48,48	0
57	MG	1w	103	1/1	0.93	0.09	55,55,55,55	0
57	MG	1A	3270	1/1	0.93	0.06	30,30,30,30	0
57	MG	1A	3783	1/1	0.93	0.06	42,42,42,42	0
57	MG	1x	101	1/1	0.93	0.07	34,34,34,34	0
57	MG	1A	3785	1/1	0.93	0.07	33,33,33,33	0
57	MG	1A	3219	1/1	0.93	0.07	32,32,32,32	0
57	MG	1A	3220	1/1	0.93	0.06	28,28,28,28	0
57	MG	2a	1731	1/1	0.93	0.20	57,57,57,57	0
57	MG	2A	3663	1/1	0.93	0.09	62,62,62,62	0
57	MG	2a	1733	1/1	0.93	0.19	63,63,63,63	0
57	MG	2A	3303	1/1	0.93	0.12	54,54,54,54	0
57	MG	2a	1735	1/1	0.93	0.32	51,51,51,51	0
57	MG	1A	3066	1/1	0.93	0.07	27,27,27,27	0
57	MG	2a	1740	1/1	0.93	0.23	50,50,50,50	0
57	MG	2A	3306	1/1	0.93	0.08	45,45,45,45	0
57	MG	2A	3674	1/1	0.93	0.17	51,51,51,51	0
57	MG	1A	3986	1/1	0.93	0.11	21,21,21,21	0
57	MG	1x	111	1/1	0.93	0.10	51,51,51,51	0
57	MG	2A	3680	1/1	0.93	0.07	67,67,67,67	0
57	MG	1A	3136	1/1	0.93	0.09	48,48,48,48	0
57	MG	2A	3321	1/1	0.93	0.12	56,56,56,56	0
57	MG	1A	3281	1/1	0.93	0.45	32,32,32,32	0
57	MG	1A	3605	1/1	0.93	0.09	23,23,23,23	0
57	MG	2A	3011	1/1	0.93	0.16	44,44,44,44	0
57	MG	2A	3325	1/1	0.93	0.09	63,63,63,63	0
57	MG	13	108	1/1	0.93	0.07	36,36,36,36	0
57	MG	2A	3027	1/1	0.93	0.29	52,52,52,52	0
57	MG	2A	3689	1/1	0.93	0.12	54,54,54,54	0
57	MG	1A	3293	1/1	0.93	0.11	45,45,45,45	0
57	MG	1A	3234	1/1	0.93	0.06	52,52,52,52	0
57	MG	2A	3692	1/1	0.93	0.10	54,54,54,54	0
57	MG	2A	3044	1/1	0.93	0.07	31,31,31,31	0
57	MG	1A	3053	1/1	0.93	0.13	51,51,51,51	0
57	MG	2a	1777	1/1	0.93	0.07	55,55,55,55	0
57	MG	17	105	1/1	0.93	0.15	50,50,50,50	0
57	MG	2A	3047	1/1	0.93	0.15	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	17	107	1/1	0.93	0.12	47,47,47,47	0
57	MG	2a	1782	1/1	0.93	0.15	50,50,50,50	0
57	MG	1A	4006	1/1	0.93	0.08	69,69,69,69	0
57	MG	2a	1786	1/1	0.93	0.12	60,60,60,60	0
57	MG	2A	3056	1/1	0.93	0.12	61,61,61,61	0
57	MG	1A	3474	1/1	0.93	0.14	47,47,47,47	0
57	MG	1A	3387	1/1	0.93	0.23	43,43,43,43	0
57	MG	2a	1791	1/1	0.93	0.18	57,57,57,57	0
57	MG	2A	3344	1/1	0.93	0.11	53,53,53,53	0
57	MG	1A	4017	1/1	0.93	0.11	57,57,57,57	0
57	MG	2A	3715	1/1	0.93	0.18	54,54,54,54	0
57	MG	2A	3349	1/1	0.93	0.07	51,51,51,51	0
57	MG	1A	3476	1/1	0.93	0.11	41,41,41,41	0
57	MG	2A	3725	1/1	0.93	0.09	48,48,48,48	0
57	MG	2a	1802	1/1	0.93	0.20	49,49,49,49	0
57	MG	2a	1803	1/1	0.93	0.11	56,56,56,56	0
57	MG	2A	3068	1/1	0.93	0.09	40,40,40,40	0
57	MG	1A	3649	1/1	0.93	0.10	31,31,31,31	0
57	MG	2A	3730	1/1	0.93	0.10	73,73,73,73	0
57	MG	1A	3004	1/1	0.93	0.07	29,29,29,29	0
57	MG	1A	3482	1/1	0.93	0.19	46,46,46,46	0
57	MG	1a	1610	1/1	0.93	0.10	54,54,54,54	0
57	MG	1A	3483	1/1	0.93	0.12	54,54,54,54	0
57	MG	1a	1618	1/1	0.93	0.10	48,48,48,48	0
57	MG	1A	3831	1/1	0.93	0.06	29,29,29,29	0
57	MG	2A	3368	1/1	0.93	0.24	65,65,65,65	0
57	MG	1a	1622	1/1	0.93	0.19	55,55,55,55	0
57	MG	1A	3154	1/1	0.93	0.06	55,55,55,55	0
57	MG	1A	3664	1/1	0.93	0.14	34,34,34,34	0
57	MG	2A	3096	1/1	0.93	0.09	48,48,48,48	0
57	MG	2A	3384	1/1	0.93	0.12	53,53,53,53	0
57	MG	2A	3758	1/1	0.93	0.09	55,55,55,55	0
57	MG	1a	1625	1/1	0.93	0.30	50,50,50,50	0
57	MG	1A	3493	1/1	0.93	0.05	35,35,35,35	0
57	MG	2A	3388	1/1	0.93	0.09	50,50,50,50	0
57	MG	2A	3768	1/1	0.93	0.09	49,49,49,49	0
57	MG	1A	3246	1/1	0.93	0.07	47,47,47,47	0
57	MG	1A	3849	1/1	0.93	0.17	42,42,42,42	0
57	MG	1A	3498	1/1	0.93	0.12	48,48,48,48	0
57	MG	1a	1640	1/1	0.93	0.10	46,46,46,46	0
57	MG	1a	1641	1/1	0.93	0.08	66,66,66,66	0
57	MG	2l	203	1/1	0.93	0.13	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3778	1/1	0.93	0.09	45,45,45,45	0
57	MG	1A	3501	1/1	0.93	0.10	42,42,42,42	0
57	MG	1a	1645	1/1	0.93	0.09	49,49,49,49	0
57	MG	2r	101	1/1	0.93	0.18	68,68,68,68	0
57	MG	1a	1647	1/1	0.93	0.14	46,46,46,46	0
57	MG	1A	3401	1/1	0.93	0.09	45,45,45,45	0
57	MG	2w	101	1/1	0.93	0.13	53,53,53,53	0
57	MG	2A	3408	1/1	0.93	0.07	40,40,40,40	0
57	MG	1a	1657	1/1	0.93	0.23	57,57,57,57	0
57	MG	2w	104	1/1	0.93	0.06	43,43,43,43	0
57	MG	1A	3862	1/1	0.93	0.06	43,43,43,43	0
57	MG	1A	3507	1/1	0.93	0.15	48,48,48,48	0
57	MG	2A	3795	1/1	0.93	0.09	46,46,46,46	0
57	MG	2A	3413	1/1	0.93	0.13	42,42,42,42	0
57	MG	2A	3415	1/1	0.93	0.12	55,55,55,55	0
57	MG	2x	103	1/1	0.93	0.11	71,71,71,71	0
57	MG	2A	3800	1/1	0.93	0.07	35,35,35,35	0
57	MG	2A	3129	1/1	0.93	0.07	38,38,38,38	0
57	MG	1A	3514	1/1	0.93	0.13	68,68,68,68	0
57	MG	2A	3419	1/1	0.93	0.14	45,45,45,45	0
57	MG	2A	3811	1/1	0.93	0.12	50,50,50,50	0
58	K	2A	3444	1/1	0.93	0.16	75,75,75,75	0
57	MG	1a	1670	1/1	0.93	0.14	45,45,45,45	0
60	ZN	24	501	1/1	0.93	0.15	134,134,134,134	0
57	MG	1A	3532	1/1	0.94	0.15	41,41,41,41	0
57	MG	2A	3001	1/1	0.94	0.24	46,46,46,46	0
57	MG	2A	3351	1/1	0.94	0.10	49,49,49,49	0
57	MG	1W	209	1/1	0.94	0.08	29,29,29,29	0
57	MG	1A	3272	1/1	0.94	0.07	27,27,27,27	0
57	MG	1A	3744	1/1	0.94	0.05	23,23,23,23	0
57	MG	2A	3018	1/1	0.94	0.16	45,45,45,45	0
57	MG	2A	3019	1/1	0.94	0.07	35,35,35,35	0
57	MG	2A	3023	1/1	0.94	0.17	64,64,64,64	0
57	MG	2A	3359	1/1	0.94	0.17	44,44,44,44	0
57	MG	1A	3964	1/1	0.94	0.08	33,33,33,33	0
57	MG	2A	3792	1/1	0.94	0.07	55,55,55,55	0
57	MG	2A	3366	1/1	0.94	0.25	52,52,52,52	0
57	MG	2A	3033	1/1	0.94	0.10	43,43,43,43	0
57	MG	1Y	203	1/1	0.94	0.13	48,48,48,48	0
57	MG	1A	3189	1/1	0.94	0.11	41,41,41,41	0
57	MG	2A	3372	1/1	0.94	0.11	51,51,51,51	0
57	MG	1A	3193	1/1	0.94	0.27	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3754	1/1	0.94	0.07	18,18,18,18	0
57	MG	2A	3379	1/1	0.94	0.15	55,55,55,55	0
57	MG	2A	3382	1/1	0.94	0.09	51,51,51,51	0
57	MG	10	107	1/1	0.94	0.07	42,42,42,42	0
57	MG	11	102	1/1	0.94	0.17	43,43,43,43	0
57	MG	1A	3543	1/1	0.94	0.08	43,43,43,43	0
57	MG	2A	3829	1/1	0.94	0.12	49,49,49,49	0
57	MG	1A	3546	1/1	0.94	0.13	45,45,45,45	0
57	MG	2A	3051	1/1	0.94	0.08	62,62,62,62	0
57	MG	2A	3389	1/1	0.94	0.07	46,46,46,46	0
57	MG	2A	3053	1/1	0.94	0.13	45,45,45,45	0
57	MG	1A	3759	1/1	0.94	0.07	32,32,32,32	0
57	MG	2A	3057	1/1	0.94	0.19	46,46,46,46	0
57	MG	2A	3848	1/1	0.94	0.11	47,47,47,47	0
57	MG	1A	3973	1/1	0.94	0.11	33,33,33,33	0
57	MG	1A	3550	1/1	0.94	0.13	32,32,32,32	0
57	MG	15	106	1/1	0.94	0.17	36,36,36,36	0
57	MG	1A	3554	1/1	0.94	0.24	31,31,31,31	0
57	MG	2A	3856	1/1	0.94	0.10	49,49,49,49	0
57	MG	2B	201	1/1	0.94	0.25	56,56,56,56	0
57	MG	2A	3067	1/1	0.94	0.10	48,48,48,48	0
57	MG	1A	3125	1/1	0.94	0.13	45,45,45,45	0
57	MG	2B	205	1/1	0.94	0.07	48,48,48,48	0
57	MG	1A	3280	1/1	0.94	0.27	40,40,40,40	0
57	MG	1A	3772	1/1	0.94	0.08	55,55,55,55	0
57	MG	1A	3206	1/1	0.94	0.09	54,54,54,54	0
57	MG	1A	3990	1/1	0.94	0.06	61,61,61,61	0
57	MG	1A	3286	1/1	0.94	0.08	33,33,33,33	0
57	MG	2A	3414	1/1	0.94	0.25	56,56,56,56	0
57	MG	1A	3570	1/1	0.94	0.12	24,24,24,24	0
57	MG	1A	3413	1/1	0.94	0.08	44,44,44,44	0
57	MG	2A	3417	1/1	0.94	0.18	55,55,55,55	0
57	MG	2A	3086	1/1	0.94	0.07	36,36,36,36	0
57	MG	1A	3572	1/1	0.94	0.10	41,41,41,41	0
57	MG	1a	1605	1/1	0.94	0.08	50,50,50,50	0
57	MG	2A	3091	1/1	0.94	0.07	36,36,36,36	0
57	MG	1A	3415	1/1	0.94	0.07	47,47,47,47	0
57	MG	2A	3425	1/1	0.94	0.13	47,47,47,47	0
57	MG	2F	307	1/1	0.94	0.11	47,47,47,47	0
57	MG	1A	4004	1/1	0.94	0.07	60,60,60,60	0
57	MG	2A	3428	1/1	0.94	0.22	50,50,50,50	0
57	MG	2O	201	1/1	0.94	0.08	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3429	1/1	0.94	0.08	50,50,50,50	0
57	MG	2P	203	1/1	0.94	0.16	63,63,63,63	0
57	MG	2Q	201	1/1	0.94	0.07	49,49,49,49	0
57	MG	1A	3288	1/1	0.94	0.08	41,41,41,41	0
57	MG	1A	4008	1/1	0.94	0.08	50,50,50,50	0
57	MG	1A	3016	1/1	0.94	0.12	53,53,53,53	0
57	MG	1A	3582	1/1	0.94	0.09	33,33,33,33	0
57	MG	2A	3436	1/1	0.94	0.26	41,41,41,41	0
57	MG	2A	3439	1/1	0.94	0.07	59,59,59,59	0
57	MG	1A	3208	1/1	0.94	0.05	26,26,26,26	0
57	MG	1A	3800	1/1	0.94	0.07	29,29,29,29	0
57	MG	1A	3133	1/1	0.94	0.10	26,26,26,26	0
57	MG	1A	4021	1/1	0.94	0.06	29,29,29,29	0
57	MG	1A	3431	1/1	0.94	0.09	32,32,32,32	0
57	MG	2A	3115	1/1	0.94	0.11	61,61,61,61	0
57	MG	1A	3134	1/1	0.94	0.11	34,34,34,34	0
57	MG	2A	3119	1/1	0.94	0.19	53,53,53,53	0
57	MG	1a	1633	1/1	0.94	0.09	35,35,35,35	0
57	MG	2A	3462	1/1	0.94	0.11	43,43,43,43	0
57	MG	1A	3434	1/1	0.94	0.11	56,56,56,56	0
57	MG	2a	1604	1/1	0.94	0.18	41,41,41,41	0
57	MG	1a	1638	1/1	0.94	0.21	48,48,48,48	0
57	MG	1a	1639	1/1	0.94	0.19	50,50,50,50	0
57	MG	1A	3809	1/1	0.94	0.06	54,54,54,54	0
57	MG	1A	3032	1/1	0.94	0.13	29,29,29,29	0
57	MG	1A	3595	1/1	0.94	0.10	33,33,33,33	0
57	MG	2A	3133	1/1	0.94	0.12	47,47,47,47	0
57	MG	2a	1616	1/1	0.94	0.13	54,54,54,54	0
57	MG	1A	4035	1/1	0.94	0.07	25,25,25,25	0
57	MG	1A	3443	1/1	0.94	0.13	37,37,37,37	0
57	MG	2A	3140	1/1	0.94	0.13	40,40,40,40	0
57	MG	1a	1650	1/1	0.94	0.21	62,62,62,62	0
57	MG	2A	3483	1/1	0.94	0.29	57,57,57,57	0
57	MG	2a	1623	1/1	0.94	0.15	58,58,58,58	0
57	MG	2a	1624	1/1	0.94	0.18	55,55,55,55	0
57	MG	2A	3486	1/1	0.94	0.12	61,61,61,61	0
57	MG	2A	3487	1/1	0.94	0.13	50,50,50,50	0
57	MG	2A	3143	1/1	0.94	0.15	44,44,44,44	0
57	MG	2A	3145	1/1	0.94	0.12	68,68,68,68	0
57	MG	1A	4048	1/1	0.94	0.12	16,16,16,16	0
57	MG	1A	3816	1/1	0.94	0.07	39,39,39,39	0
57	MG	1A	3310	1/1	0.94	0.15	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3150	1/1	0.94	0.10	52,52,52,52	0
57	MG	1a	1661	1/1	0.94	0.13	45,45,45,45	0
57	MG	1A	3447	1/1	0.94	0.09	39,39,39,39	0
57	MG	1a	1665	1/1	0.94	0.14	52,52,52,52	0
57	MG	1A	3826	1/1	0.94	0.09	37,37,37,37	0
57	MG	1A	4062	1/1	0.94	0.14	52,52,52,52	0
57	MG	2A	3161	1/1	0.94	0.16	39,39,39,39	0
57	MG	2A	3509	1/1	0.94	0.08	26,26,26,26	0
57	MG	1A	3829	1/1	0.94	0.07	47,47,47,47	0
57	MG	1A	4067	1/1	0.94	0.08	47,47,47,47	0
57	MG	2A	3167	1/1	0.94	0.12	66,66,66,66	0
57	MG	2A	3169	1/1	0.94	0.08	44,44,44,44	0
57	MG	1A	3143	1/1	0.94	0.05	29,29,29,29	0
57	MG	1a	1677	1/1	0.94	0.12	63,63,63,63	0
57	MG	1a	1679	1/1	0.94	0.10	63,63,63,63	0
57	MG	2A	3175	1/1	0.94	0.08	45,45,45,45	0
57	MG	2A	3176	1/1	0.94	0.06	38,38,38,38	0
57	MG	1A	3456	1/1	0.94	0.10	63,63,63,63	0
57	MG	1A	3838	1/1	0.94	0.18	56,56,56,56	0
57	MG	2A	3532	1/1	0.94	0.15	52,52,52,52	0
57	MG	1A	3611	1/1	0.94	0.06	34,34,34,34	0
57	MG	1A	3842	1/1	0.94	0.09	35,35,35,35	0
57	MG	1A	3033	1/1	0.94	0.08	39,39,39,39	0
57	MG	1A	3081	1/1	0.94	0.11	29,29,29,29	0
57	MG	2a	1662	1/1	0.94	0.10	64,64,64,64	0
57	MG	1A	3619	1/1	0.94	0.10	34,34,34,34	0
57	MG	1A	3459	1/1	0.94	0.12	34,34,34,34	0
57	MG	1A	3624	1/1	0.94	0.05	35,35,35,35	0
57	MG	1a	1691	1/1	0.94	0.31	52,52,52,52	0
57	MG	2A	3197	1/1	0.94	0.14	43,43,43,43	0
57	MG	1a	1693	1/1	0.94	0.21	43,43,43,43	0
57	MG	2A	3202	1/1	0.94	0.06	45,45,45,45	0
57	MG	2A	3564	1/1	0.94	0.12	59,59,59,59	0
57	MG	1A	4080	1/1	0.94	0.10	40,40,40,40	0
57	MG	1A	3853	1/1	0.94	0.07	37,37,37,37	0
57	MG	2a	1681	1/1	0.94	0.15	59,59,59,59	0
57	MG	2a	1682	1/1	0.94	0.09	72,72,72,72	0
57	MG	2a	1683	1/1	0.94	0.19	55,55,55,55	0
57	MG	1A	3627	1/1	0.94	0.07	38,38,38,38	0
57	MG	2a	1686	1/1	0.94	0.11	65,65,65,65	0
57	MG	1A	4084	1/1	0.94	0.12	43,43,43,43	0
57	MG	1a	1700	1/1	0.94	0.18	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3212	1/1	0.94	0.10	49,49,49,49	0
57	MG	1A	3629	1/1	0.94	0.09	67,67,67,67	0
57	MG	1A	4086	1/1	0.94	0.19	53,53,53,53	0
57	MG	2a	1694	1/1	0.94	0.16	72,72,72,72	0
57	MG	2A	3579	1/1	0.94	0.14	54,54,54,54	0
57	MG	2A	3581	1/1	0.94	0.09	50,50,50,50	0
57	MG	2A	3217	1/1	0.94	0.08	63,63,63,63	0
57	MG	2A	3586	1/1	0.94	0.07	45,45,45,45	0
57	MG	1A	3861	1/1	0.94	0.11	46,46,46,46	0
57	MG	2A	3220	1/1	0.94	0.12	57,57,57,57	0
57	MG	1A	3037	1/1	0.94	0.18	57,57,57,57	0
57	MG	2A	3225	1/1	0.94	0.24	40,40,40,40	0
57	MG	1A	3642	1/1	0.94	0.11	31,31,31,31	0
57	MG	2a	1707	1/1	0.94	0.18	65,65,65,65	0
57	MG	1A	3462	1/1	0.94	0.13	34,34,34,34	0
57	MG	1A	3647	1/1	0.94	0.10	37,37,37,37	0
57	MG	2a	1710	1/1	0.94	0.12	58,58,58,58	0
57	MG	2a	1711	1/1	0.94	0.07	63,63,63,63	0
57	MG	2A	3232	1/1	0.94	0.19	53,53,53,53	0
57	MG	2A	3604	1/1	0.94	0.07	41,41,41,41	0
57	MG	2A	3606	1/1	0.94	0.13	49,49,49,49	0
57	MG	2A	3233	1/1	0.94	0.07	34,34,34,34	0
57	MG	1A	3046	1/1	0.94	0.10	16,16,16,16	0
57	MG	2a	1719	1/1	0.94	0.19	57,57,57,57	0
57	MG	2A	3611	1/1	0.94	0.15	68,68,68,68	0
57	MG	1A	3047	1/1	0.94	0.14	35,35,35,35	0
57	MG	1A	3465	1/1	0.94	0.08	47,47,47,47	0
57	MG	2A	3617	1/1	0.94	0.11	38,38,38,38	0
57	MG	2A	3618	1/1	0.94	0.07	30,30,30,30	0
57	MG	1A	3466	1/1	0.94	0.05	27,27,27,27	0
57	MG	2a	1728	1/1	0.94	0.16	51,51,51,51	0
57	MG	1A	3329	1/1	0.94	0.10	54,54,54,54	0
57	MG	2A	3622	1/1	0.94	0.14	39,39,39,39	0
57	MG	1A	3237	1/1	0.94	0.10	37,37,37,37	0
57	MG	2A	3241	1/1	0.94	0.12	42,42,42,42	0
57	MG	1a	1719	1/1	0.94	0.10	57,57,57,57	0
57	MG	1A	3332	1/1	0.94	0.19	62,62,62,62	0
57	MG	2a	1737	1/1	0.94	0.13	61,61,61,61	0
57	MG	1A	3888	1/1	0.94	0.08	33,33,33,33	0
57	MG	1A	3240	1/1	0.94	0.12	30,30,30,30	0
57	MG	1D	304	1/1	0.94	0.07	25,25,25,25	0
57	MG	2a	1742	1/1	0.94	0.17	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3250	1/1	0.94	0.12	49,49,49,49	0
57	MG	1D	309	1/1	0.94	0.07	38,38,38,38	0
57	MG	2A	3253	1/1	0.94	0.22	53,53,53,53	0
57	MG	2A	3641	1/1	0.94	0.09	54,54,54,54	0
57	MG	2A	3255	1/1	0.94	0.11	60,60,60,60	0
57	MG	2a	1750	1/1	0.94	0.17	45,45,45,45	0
57	MG	1a	1728	1/1	0.94	0.14	61,61,61,61	0
57	MG	1A	3096	1/1	0.94	0.09	40,40,40,40	0
57	MG	1a	1739	1/1	0.94	0.11	48,48,48,48	0
57	MG	2A	3646	1/1	0.94	0.11	53,53,53,53	0
57	MG	2A	3260	1/1	0.94	0.12	50,50,50,50	0
57	MG	1E	309	1/1	0.94	0.08	51,51,51,51	0
57	MG	2A	3264	1/1	0.94	0.17	59,59,59,59	0
57	MG	2a	1759	1/1	0.94	0.08	57,57,57,57	0
57	MG	1a	1743	1/1	0.94	0.10	50,50,50,50	0
57	MG	2a	1762	1/1	0.94	0.06	64,64,64,64	0
57	MG	2a	1764	1/1	0.94	0.09	50,50,50,50	0
57	MG	1A	3162	1/1	0.94	0.24	43,43,43,43	0
57	MG	2A	3653	1/1	0.94	0.08	51,51,51,51	0
57	MG	1a	1745	1/1	0.94	0.06	55,55,55,55	0
57	MG	1a	1746	1/1	0.94	0.07	49,49,49,49	0
57	MG	1a	1748	1/1	0.94	0.11	38,38,38,38	0
57	MG	1F	304	1/1	0.94	0.07	38,38,38,38	0
57	MG	1A	3899	1/1	0.94	0.16	54,54,54,54	0
57	MG	1A	3339	1/1	0.94	0.16	39,39,39,39	0
57	MG	1A	3681	1/1	0.94	0.08	51,51,51,51	0
57	MG	1A	3245	1/1	0.94	0.07	47,47,47,47	0
57	MG	1a	1764	1/1	0.94	0.12	47,47,47,47	0
57	MG	2a	1785	1/1	0.94	0.07	58,58,58,58	0
57	MG	1A	3484	1/1	0.94	0.23	53,53,53,53	0
57	MG	2A	3677	1/1	0.94	0.13	58,58,58,58	0
57	MG	1a	1769	1/1	0.94	0.09	68,68,68,68	0
57	MG	1A	3487	1/1	0.94	0.12	41,41,41,41	0
57	MG	1A	3914	1/1	0.94	0.08	27,27,27,27	0
57	MG	1A	3698	1/1	0.94	0.05	17,17,17,17	0
57	MG	1a	1788	1/1	0.94	0.07	60,60,60,60	0
57	MG	2A	3287	1/1	0.94	0.17	50,50,50,50	0
57	MG	1a	1789	1/1	0.94	0.07	52,52,52,52	0
57	MG	1N	201	1/1	0.94	0.28	53,53,53,53	0
57	MG	2a	1800	1/1	0.94	0.23	59,59,59,59	0
57	MG	1A	3015	1/1	0.94	0.08	48,48,48,48	0
57	MG	2A	3291	1/1	0.94	0.15	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3490	1/1	0.94	0.13	52,52,52,52	0
57	MG	1A	3927	1/1	0.94	0.07	41,41,41,41	0
57	MG	1a	1797	1/1	0.94	0.12	42,42,42,42	0
57	MG	1a	1798	1/1	0.94	0.18	61,61,61,61	0
57	MG	1a	1799	1/1	0.94	0.20	59,59,59,59	0
57	MG	1A	3170	1/1	0.94	0.12	28,28,28,28	0
57	MG	2A	3698	1/1	0.94	0.07	38,38,38,38	0
57	MG	1a	1801	1/1	0.94	0.11	63,63,63,63	0
57	MG	2a	1811	1/1	0.94	0.10	58,58,58,58	0
57	MG	2a	1812	1/1	0.94	0.09	46,46,46,46	0
57	MG	1A	3174	1/1	0.94	0.06	32,32,32,32	0
57	MG	1Q	202	1/1	0.94	0.06	40,40,40,40	0
57	MG	1Q	203	1/1	0.94	0.08	42,42,42,42	0
57	MG	1A	3356	1/1	0.94	0.08	39,39,39,39	0
57	MG	1A	3027	1/1	0.94	0.06	24,24,24,24	0
57	MG	2A	3709	1/1	0.94	0.09	53,53,53,53	0
57	MG	1R	201	1/1	0.94	0.20	55,55,55,55	0
57	MG	1A	3180	1/1	0.94	0.09	54,54,54,54	0
57	MG	2A	3311	1/1	0.94	0.15	52,52,52,52	0
57	MG	1A	3181	1/1	0.94	0.17	63,63,63,63	0
57	MG	2A	3315	1/1	0.94	0.14	53,53,53,53	0
57	MG	2A	3317	1/1	0.94	0.07	43,43,43,43	0
57	MG	1R	205	1/1	0.94	0.09	23,23,23,23	0
57	MG	1A	3374	1/1	0.94	0.06	42,42,42,42	0
57	MG	1k	201	1/1	0.94	0.14	57,57,57,57	0
57	MG	2f	202	1/1	0.94	0.08	67,67,67,67	0
57	MG	1l	202	1/1	0.94	0.07	64,64,64,64	0
57	MG	1A	3260	1/1	0.94	0.09	39,39,39,39	0
57	MG	1A	3182	1/1	0.94	0.05	34,34,34,34	0
57	MG	2A	3734	1/1	0.94	0.13	61,61,61,61	0
57	MG	2A	3735	1/1	0.94	0.13	46,46,46,46	0
57	MG	1A	3721	1/1	0.94	0.10	53,53,53,53	0
57	MG	1v	102	1/1	0.94	0.07	57,57,57,57	0
57	MG	2q	202	1/1	0.94	0.08	59,59,59,59	0
57	MG	1A	3265	1/1	0.94	0.06	36,36,36,36	0
57	MG	2t	201	1/1	0.94	0.18	49,49,49,49	0
57	MG	1w	104	1/1	0.94	0.13	55,55,55,55	0
57	MG	1A	3522	1/1	0.94	0.15	50,50,50,50	0
57	MG	1A	3523	1/1	0.94	0.07	26,26,26,26	0
57	MG	1w	107	1/1	0.94	0.10	49,49,49,49	0
57	MG	1T	204	1/1	0.94	0.14	53,53,53,53	0
57	MG	1A	3952	1/1	0.94	0.08	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3753	1/1	0.94	0.07	48,48,48,48	0
57	MG	1U	202	1/1	0.94	0.21	49,49,49,49	0
57	MG	2A	3756	1/1	0.94	0.12	54,54,54,54	0
57	MG	2A	3757	1/1	0.94	0.09	61,61,61,61	0
57	MG	2x	101	1/1	0.94	0.07	46,46,46,46	0
57	MG	2A	3339	1/1	0.94	0.07	53,53,53,53	0
57	MG	2A	3760	1/1	0.94	0.11	59,59,59,59	0
57	MG	1A	3729	1/1	0.94	0.08	49,49,49,49	0
57	MG	1A	3116	1/1	0.94	0.06	30,30,30,30	0
57	MG	1A	3060	1/1	0.94	0.12	37,37,37,37	0
57	MG	2A	3767	1/1	0.94	0.07	51,51,51,51	0
57	MG	1A	3187	1/1	0.94	0.14	31,31,31,31	0
58	K	1A	3560	1/1	0.94	0.18	73,73,73,73	0
57	MG	2A	3345	1/1	0.94	0.15	49,49,49,49	0
59	6IF	2A	3857	32/32	0.94	0.12	39,47,56,59	0
57	MG	1W	202	1/1	0.94	0.10	43,43,43,43	0
57	MG	2A	3347	1/1	0.94	0.20	48,48,48,48	0
57	MG	2A	3825	1/1	0.95	0.09	43,43,43,43	0
57	MG	1A	3223	1/1	0.95	0.08	37,37,37,37	0
57	MG	1A	3420	1/1	0.95	0.12	31,31,31,31	0
57	MG	2A	3110	1/1	0.95	0.10	50,50,50,50	0
57	MG	1A	3695	1/1	0.95	0.07	41,41,41,41	0
57	MG	1a	1664	1/1	0.95	0.07	49,49,49,49	0
57	MG	1A	3697	1/1	0.95	0.07	21,21,21,21	0
57	MG	1a	1667	1/1	0.95	0.17	45,45,45,45	0
57	MG	1A	3110	1/1	0.95	0.05	33,33,33,33	0
57	MG	2A	3840	1/1	0.95	0.07	46,46,46,46	0
57	MG	2A	3121	1/1	0.95	0.20	52,52,52,52	0
57	MG	1A	3882	1/1	0.95	0.04	25,25,25,25	0
57	MG	1A	3533	1/1	0.95	0.20	50,50,50,50	0
57	MG	2A	3852	1/1	0.95	0.16	45,45,45,45	0
57	MG	2A	3126	1/1	0.95	0.11	41,41,41,41	0
57	MG	2A	3854	1/1	0.95	0.15	47,47,47,47	0
57	MG	1A	3884	1/1	0.95	0.09	33,33,33,33	0
57	MG	1A	3887	1/1	0.95	0.09	21,21,21,21	0
57	MG	2A	3430	1/1	0.95	0.16	39,39,39,39	0
57	MG	1A	3702	1/1	0.95	0.07	35,35,35,35	0
57	MG	1B	203	1/1	0.95	0.08	33,33,33,33	0
57	MG	1B	204	1/1	0.95	0.17	68,68,68,68	0
57	MG	1B	205	1/1	0.95	0.08	52,52,52,52	0
57	MG	1A	3427	1/1	0.95	0.08	38,38,38,38	0
57	MG	2B	208	1/1	0.95	0.12	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3437	1/1	0.95	0.20	58,58,58,58	0
57	MG	2B	212	1/1	0.95	0.13	41,41,41,41	0
57	MG	1A	3891	1/1	0.95	0.10	20,20,20,20	0
57	MG	1A	3535	1/1	0.95	0.11	26,26,26,26	0
57	MG	2A	3442	1/1	0.95	0.14	47,47,47,47	0
57	MG	1B	211	1/1	0.95	0.11	46,46,46,46	0
57	MG	2A	3448	1/1	0.95	0.07	41,41,41,41	0
57	MG	1a	1686	1/1	0.95	0.07	62,62,62,62	0
57	MG	1A	3430	1/1	0.95	0.06	38,38,38,38	0
57	MG	1B	216	1/1	0.95	0.05	30,30,30,30	0
57	MG	1A	3896	1/1	0.95	0.11	42,42,42,42	0
57	MG	2E	306	1/1	0.95	0.07	39,39,39,39	0
57	MG	2A	3458	1/1	0.95	0.11	49,49,49,49	0
57	MG	2F	301	1/1	0.95	0.10	44,44,44,44	0
57	MG	1A	3145	1/1	0.95	0.16	30,30,30,30	0
57	MG	1a	1692	1/1	0.95	0.27	56,56,56,56	0
57	MG	2F	305	1/1	0.95	0.11	59,59,59,59	0
57	MG	1B	221	1/1	0.95	0.08	47,47,47,47	0
57	MG	2A	3155	1/1	0.95	0.07	36,36,36,36	0
57	MG	2A	3156	1/1	0.95	0.06	46,46,46,46	0
57	MG	1A	3542	1/1	0.95	0.07	33,33,33,33	0
57	MG	1A	3087	1/1	0.95	0.05	35,35,35,35	0
57	MG	2P	202	1/1	0.95	0.07	49,49,49,49	0
57	MG	1A	3338	1/1	0.95	0.09	26,26,26,26	0
57	MG	2A	3160	1/1	0.95	0.17	46,46,46,46	0
57	MG	1A	3061	1/1	0.95	0.11	40,40,40,40	0
57	MG	1A	3911	1/1	0.95	0.19	57,57,57,57	0
57	MG	2A	3163	1/1	0.95	0.07	65,65,65,65	0
57	MG	1D	302	1/1	0.95	0.09	43,43,43,43	0
57	MG	2V	201	1/1	0.95	0.07	43,43,43,43	0
57	MG	1A	3438	1/1	0.95	0.11	41,41,41,41	0
57	MG	1D	307	1/1	0.95	0.08	38,38,38,38	0
57	MG	1D	308	1/1	0.95	0.14	41,41,41,41	0
57	MG	1A	3718	1/1	0.95	0.06	43,43,43,43	0
57	MG	1A	3555	1/1	0.95	0.26	45,45,45,45	0
57	MG	20	102	1/1	0.95	0.09	38,38,38,38	0
57	MG	2A	3174	1/1	0.95	0.09	48,48,48,48	0
57	MG	25	102	1/1	0.95	0.14	49,49,49,49	0
57	MG	25	103	1/1	0.95	0.07	47,47,47,47	0
57	MG	2A	3490	1/1	0.95	0.13	41,41,41,41	0
57	MG	2A	3491	1/1	0.95	0.23	54,54,54,54	0
57	MG	1A	3441	1/1	0.95	0.17	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	28	101	1/1	0.95	0.10	59,59,59,59	0
57	MG	1A	3919	1/1	0.95	0.05	42,42,42,42	0
57	MG	1E	313	1/1	0.95	0.07	51,51,51,51	0
57	MG	1a	1712	1/1	0.95	0.05	35,35,35,35	0
57	MG	1a	1713	1/1	0.95	0.26	44,44,44,44	0
57	MG	2A	3184	1/1	0.95	0.16	44,44,44,44	0
57	MG	1A	3055	1/1	0.95	0.06	35,35,35,35	0
57	MG	2A	3502	1/1	0.95	0.08	52,52,52,52	0
57	MG	2a	1608	1/1	0.95	0.09	48,48,48,48	0
57	MG	1F	310	1/1	0.95	0.07	29,29,29,29	0
57	MG	2A	3188	1/1	0.95	0.05	52,52,52,52	0
57	MG	1A	3924	1/1	0.95	0.07	44,44,44,44	0
57	MG	2a	1613	1/1	0.95	0.17	52,52,52,52	0
57	MG	1A	3559	1/1	0.95	0.08	36,36,36,36	0
57	MG	2a	1615	1/1	0.95	0.14	56,56,56,56	0
57	MG	1A	3347	1/1	0.95	0.11	47,47,47,47	0
57	MG	1A	3348	1/1	0.95	0.20	55,55,55,55	0
57	MG	1A	3730	1/1	0.95	0.07	49,49,49,49	0
57	MG	1A	3238	1/1	0.95	0.07	21,21,21,21	0
57	MG	2A	3518	1/1	0.95	0.07	47,47,47,47	0
57	MG	2A	3198	1/1	0.95	0.09	37,37,37,37	0
57	MG	1A	3935	1/1	0.95	0.11	63,63,63,63	0
57	MG	2A	3522	1/1	0.95	0.09	49,49,49,49	0
57	MG	2a	1625	1/1	0.95	0.19	62,62,62,62	0
57	MG	1A	3353	1/1	0.95	0.05	31,31,31,31	0
57	MG	1A	3128	1/1	0.95	0.06	34,34,34,34	0
57	MG	1a	1735	1/1	0.95	0.14	58,58,58,58	0
57	MG	1N	202	1/1	0.95	0.05	26,26,26,26	0
57	MG	1A	3573	1/1	0.95	0.08	27,27,27,27	0
57	MG	1A	3574	1/1	0.95	0.08	55,55,55,55	0
57	MG	2a	1632	1/1	0.95	0.18	50,50,50,50	0
57	MG	1A	3156	1/1	0.95	0.16	21,21,21,21	0
57	MG	2A	3213	1/1	0.95	0.07	34,34,34,34	0
57	MG	1A	3159	1/1	0.95	0.14	46,46,46,46	0
57	MG	2A	3537	1/1	0.95	0.10	50,50,50,50	0
57	MG	1A	3748	1/1	0.95	0.09	41,41,41,41	0
57	MG	2A	3539	1/1	0.95	0.15	40,40,40,40	0
57	MG	2a	1639	1/1	0.95	0.13	46,46,46,46	0
57	MG	1A	3750	1/1	0.95	0.05	31,31,31,31	0
57	MG	1a	1747	1/1	0.95	0.16	52,52,52,52	0
57	MG	1A	3751	1/1	0.95	0.08	58,58,58,58	0
57	MG	2A	3222	1/1	0.95	0.11	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3552	1/1	0.95	0.06	60,60,60,60	0
57	MG	1A	3357	1/1	0.95	0.09	45,45,45,45	0
57	MG	1a	1752	1/1	0.95	0.09	50,50,50,50	0
57	MG	2a	1648	1/1	0.95	0.07	43,43,43,43	0
57	MG	1A	3461	1/1	0.95	0.15	43,43,43,43	0
57	MG	1a	1758	1/1	0.95	0.08	52,52,52,52	0
57	MG	2A	3563	1/1	0.95	0.07	47,47,47,47	0
57	MG	2A	3229	1/1	0.95	0.09	51,51,51,51	0
57	MG	1a	1759	1/1	0.95	0.07	45,45,45,45	0
57	MG	1A	3585	1/1	0.95	0.10	30,30,30,30	0
57	MG	1A	3131	1/1	0.95	0.06	29,29,29,29	0
57	MG	2A	3570	1/1	0.95	0.12	57,57,57,57	0
57	MG	1a	1762	1/1	0.95	0.12	62,62,62,62	0
57	MG	2A	3572	1/1	0.95	0.08	28,28,28,28	0
57	MG	1A	3364	1/1	0.95	0.10	37,37,37,37	0
57	MG	1R	204	1/1	0.95	0.41	38,38,38,38	0
57	MG	2a	1661	1/1	0.95	0.12	44,44,44,44	0
57	MG	1a	1766	1/1	0.95	0.12	67,67,67,67	0
57	MG	2a	1663	1/1	0.95	0.06	54,54,54,54	0
57	MG	2a	1665	1/1	0.95	0.17	57,57,57,57	0
57	MG	1A	3366	1/1	0.95	0.08	50,50,50,50	0
57	MG	1A	3292	1/1	0.95	0.08	43,43,43,43	0
57	MG	2a	1671	1/1	0.95	0.26	49,49,49,49	0
57	MG	1A	3057	1/1	0.95	0.08	46,46,46,46	0
57	MG	1a	1771	1/1	0.95	0.08	60,60,60,60	0
57	MG	1A	3249	1/1	0.95	0.14	47,47,47,47	0
57	MG	2A	3244	1/1	0.95	0.17	41,41,41,41	0
57	MG	1A	3767	1/1	0.95	0.06	21,21,21,21	0
57	MG	1a	1780	1/1	0.95	0.07	50,50,50,50	0
57	MG	2A	3247	1/1	0.95	0.09	52,52,52,52	0
57	MG	1a	1787	1/1	0.95	0.06	49,49,49,49	0
57	MG	2A	3249	1/1	0.95	0.06	36,36,36,36	0
57	MG	2A	3600	1/1	0.95	0.13	58,58,58,58	0
57	MG	1A	3966	1/1	0.95	0.06	58,58,58,58	0
57	MG	1A	3083	1/1	0.95	0.10	24,24,24,24	0
57	MG	1A	3379	1/1	0.95	0.07	37,37,37,37	0
57	MG	1A	3777	1/1	0.95	0.09	38,38,38,38	0
57	MG	1A	3597	1/1	0.95	0.09	38,38,38,38	0
57	MG	1A	3601	1/1	0.95	0.06	19,19,19,19	0
57	MG	2a	1691	1/1	0.95	0.14	44,44,44,44	0
57	MG	1A	3381	1/1	0.95	0.09	48,48,48,48	0
57	MG	1A	3786	1/1	0.95	0.06	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3262	1/1	0.95	0.06	52,52,52,52	0
57	MG	1A	3382	1/1	0.95	0.21	45,45,45,45	0
57	MG	1A	3383	1/1	0.95	0.27	31,31,31,31	0
57	MG	1A	3384	1/1	0.95	0.24	39,39,39,39	0
57	MG	2a	1698	1/1	0.95	0.14	52,52,52,52	0
57	MG	1A	3385	1/1	0.95	0.22	29,29,29,29	0
57	MG	1W	208	1/1	0.95	0.06	36,36,36,36	0
57	MG	2A	3623	1/1	0.95	0.07	32,32,32,32	0
57	MG	1A	3298	1/1	0.95	0.14	37,37,37,37	0
57	MG	1a	1808	1/1	0.95	0.11	49,49,49,49	0
57	MG	1A	3164	1/1	0.95	0.06	34,34,34,34	0
57	MG	1A	3991	1/1	0.95	0.10	35,35,35,35	0
57	MG	1A	3992	1/1	0.95	0.07	38,38,38,38	0
57	MG	2A	3273	1/1	0.95	0.15	52,52,52,52	0
57	MG	1A	3799	1/1	0.95	0.07	43,43,43,43	0
57	MG	1A	3305	1/1	0.95	0.10	44,44,44,44	0
57	MG	2a	1712	1/1	0.95	0.13	70,70,70,70	0
57	MG	1A	3086	1/1	0.95	0.09	30,30,30,30	0
57	MG	2A	3637	1/1	0.95	0.06	35,35,35,35	0
57	MG	10	101	1/1	0.95	0.10	35,35,35,35	0
57	MG	2A	3280	1/1	0.95	0.14	52,52,52,52	0
57	MG	1A	3622	1/1	0.95	0.06	19,19,19,19	0
57	MG	10	103	1/1	0.95	0.14	38,38,38,38	0
57	MG	2A	3283	1/1	0.95	0.19	46,46,46,46	0
57	MG	1m	3001	1/1	0.95	0.10	62,62,62,62	0
57	MG	10	105	1/1	0.95	0.17	54,54,54,54	0
57	MG	10	106	1/1	0.95	0.09	56,56,56,56	0
57	MG	1A	3169	1/1	0.95	0.09	38,38,38,38	0
57	MG	10	108	1/1	0.95	0.10	46,46,46,46	0
57	MG	1w	102	1/1	0.95	0.23	50,50,50,50	0
57	MG	1A	3495	1/1	0.95	0.07	50,50,50,50	0
57	MG	1A	3255	1/1	0.95	0.14	31,31,31,31	0
57	MG	13	105	1/1	0.95	0.12	38,38,38,38	0
57	MG	1A	3631	1/1	0.95	0.06	17,17,17,17	0
57	MG	2A	3659	1/1	0.95	0.15	66,66,66,66	0
57	MG	1A	3632	1/1	0.95	0.10	27,27,27,27	0
57	MG	1w	109	1/1	0.95	0.08	48,48,48,48	0
57	MG	2a	1738	1/1	0.95	0.25	49,49,49,49	0
57	MG	14	101	1/1	0.95	0.08	57,57,57,57	0
57	MG	15	101	1/1	0.95	0.14	29,29,29,29	0
57	MG	1x	103	1/1	0.95	0.09	49,49,49,49	0
57	MG	1x	104	1/1	0.95	0.08	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1x	106	1/1	0.95	0.12	54,54,54,54	0
57	MG	1A	4014	1/1	0.95	0.07	46,46,46,46	0
57	MG	15	104	1/1	0.95	0.22	25,25,25,25	0
57	MG	1A	3633	1/1	0.95	0.06	38,38,38,38	0
57	MG	2A	3305	1/1	0.95	0.06	50,50,50,50	0
57	MG	1A	3217	1/1	0.95	0.14	30,30,30,30	0
57	MG	2A	3307	1/1	0.95	0.06	39,39,39,39	0
57	MG	1A	3639	1/1	0.95	0.10	24,24,24,24	0
57	MG	2A	3310	1/1	0.95	0.09	45,45,45,45	0
57	MG	17	101	1/1	0.95	0.09	31,31,31,31	0
57	MG	2A	3312	1/1	0.95	0.14	57,57,57,57	0
57	MG	2a	1756	1/1	0.95	0.18	48,48,48,48	0
57	MG	17	104	1/1	0.95	0.06	30,30,30,30	0
57	MG	1A	3313	1/1	0.95	0.09	40,40,40,40	0
57	MG	17	106	1/1	0.95	0.07	41,41,41,41	0
57	MG	2A	3008	1/1	0.95	0.09	41,41,41,41	0
57	MG	2A	3319	1/1	0.95	0.19	57,57,57,57	0
57	MG	2A	3320	1/1	0.95	0.08	52,52,52,52	0
57	MG	1A	3109	1/1	0.95	0.16	32,32,32,32	0
57	MG	2A	3013	1/1	0.95	0.08	58,58,58,58	0
57	MG	2A	3697	1/1	0.95	0.11	34,34,34,34	0
57	MG	1A	3827	1/1	0.95	0.11	58,58,58,58	0
57	MG	2A	3017	1/1	0.95	0.06	48,48,48,48	0
57	MG	2a	1774	1/1	0.95	0.11	68,68,68,68	0
57	MG	2a	1776	1/1	0.95	0.10	60,60,60,60	0
57	MG	1A	3646	1/1	0.95	0.08	31,31,31,31	0
57	MG	2A	3702	1/1	0.95	0.07	53,53,53,53	0
57	MG	1A	3505	1/1	0.95	0.07	36,36,36,36	0
57	MG	2A	3020	1/1	0.95	0.06	48,48,48,48	0
57	MG	2a	1781	1/1	0.95	0.08	55,55,55,55	0
57	MG	1A	4026	1/1	0.95	0.07	25,25,25,25	0
57	MG	2a	1783	1/1	0.95	0.11	50,50,50,50	0
57	MG	1A	3506	1/1	0.95	0.11	50,50,50,50	0
57	MG	2A	3029	1/1	0.95	0.08	55,55,55,55	0
57	MG	2A	3030	1/1	0.95	0.05	55,55,55,55	0
57	MG	1A	3835	1/1	0.95	0.07	46,46,46,46	0
57	MG	2A	3034	1/1	0.95	0.09	49,49,49,49	0
57	MG	1A	4033	1/1	0.95	0.06	39,39,39,39	0
57	MG	2a	1790	1/1	0.95	0.10	70,70,70,70	0
57	MG	2A	3036	1/1	0.95	0.12	47,47,47,47	0
57	MG	2A	3038	1/1	0.95	0.07	28,28,28,28	0
57	MG	2a	1793	1/1	0.95	0.10	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1794	1/1	0.95	0.15	50,50,50,50	0
57	MG	2A	3720	1/1	0.95	0.19	50,50,50,50	0
57	MG	2A	3721	1/1	0.95	0.08	57,57,57,57	0
57	MG	1A	3409	1/1	0.95	0.13	46,46,46,46	0
57	MG	2A	3042	1/1	0.95	0.16	51,51,51,51	0
57	MG	2A	3043	1/1	0.95	0.05	50,50,50,50	0
57	MG	1a	1606	1/1	0.95	0.13	66,66,66,66	0
57	MG	1A	3653	1/1	0.95	0.13	36,36,36,36	0
57	MG	1A	4038	1/1	0.95	0.10	49,49,49,49	0
57	MG	1A	4041	1/1	0.95	0.07	22,22,22,22	0
57	MG	1a	1616	1/1	0.95	0.12	59,59,59,59	0
57	MG	1a	1617	1/1	0.95	0.08	44,44,44,44	0
57	MG	1A	3511	1/1	0.95	0.13	54,54,54,54	0
57	MG	2A	3052	1/1	0.95	0.07	45,45,45,45	0
57	MG	1A	3317	1/1	0.95	0.07	54,54,54,54	0
57	MG	1A	3321	1/1	0.95	0.06	32,32,32,32	0
57	MG	2A	3743	1/1	0.95	0.08	36,36,36,36	0
57	MG	1A	4051	1/1	0.95	0.06	22,22,22,22	0
57	MG	2A	3746	1/1	0.95	0.09	59,59,59,59	0
57	MG	2A	3058	1/1	0.95	0.19	58,58,58,58	0
57	MG	1A	4055	1/1	0.95	0.18	44,44,44,44	0
57	MG	2A	3061	1/1	0.95	0.07	42,42,42,42	0
57	MG	2A	3360	1/1	0.95	0.05	41,41,41,41	0
57	MG	1A	3662	1/1	0.95	0.07	21,21,21,21	0
57	MG	2A	3363	1/1	0.95	0.27	59,59,59,59	0
57	MG	1a	1627	1/1	0.95	0.16	55,55,55,55	0
57	MG	1A	3262	1/1	0.95	0.15	50,50,50,50	0
57	MG	2a	1823	1/1	0.95	0.14	55,55,55,55	0
57	MG	1A	3669	1/1	0.95	0.07	22,22,22,22	0
57	MG	1a	1630	1/1	0.95	0.26	58,58,58,58	0
57	MG	2A	3762	1/1	0.95	0.06	61,61,61,61	0
57	MG	2A	3069	1/1	0.95	0.10	54,54,54,54	0
57	MG	1a	1631	1/1	0.95	0.15	54,54,54,54	0
57	MG	2A	3376	1/1	0.95	0.09	53,53,53,53	0
57	MG	2d	301	1/1	0.95	0.17	45,45,45,45	0
57	MG	2e	201	1/1	0.95	0.08	57,57,57,57	0
57	MG	2A	3071	1/1	0.95	0.07	42,42,42,42	0
57	MG	2A	3770	1/1	0.95	0.07	61,61,61,61	0
57	MG	1A	3518	1/1	0.95	0.10	66,66,66,66	0
57	MG	2k	201	1/1	0.95	0.09	64,64,64,64	0
57	MG	2A	3380	1/1	0.95	0.13	57,57,57,57	0
57	MG	2l	202	1/1	0.95	0.12	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3381	1/1	0.95	0.10	62,62,62,62	0
57	MG	1A	3855	1/1	0.95	0.07	37,37,37,37	0
57	MG	2A	3076	1/1	0.95	0.06	48,48,48,48	0
57	MG	2A	3077	1/1	0.95	0.10	24,24,24,24	0
57	MG	1A	3263	1/1	0.95	0.10	37,37,37,37	0
57	MG	1A	3520	1/1	0.95	0.08	43,43,43,43	0
57	MG	1A	3139	1/1	0.95	0.09	50,50,50,50	0
57	MG	1A	3140	1/1	0.95	0.13	33,33,33,33	0
57	MG	1A	3524	1/1	0.95	0.14	29,29,29,29	0
57	MG	2A	3786	1/1	0.95	0.06	62,62,62,62	0
57	MG	1a	1642	1/1	0.95	0.18	52,52,52,52	0
57	MG	2A	3395	1/1	0.95	0.12	56,56,56,56	0
57	MG	1A	3864	1/1	0.95	0.07	37,37,37,37	0
57	MG	2A	3090	1/1	0.95	0.07	47,47,47,47	0
57	MG	1A	3865	1/1	0.95	0.06	27,27,27,27	0
57	MG	2A	3401	1/1	0.95	0.15	41,41,41,41	0
57	MG	1a	1646	1/1	0.95	0.14	39,39,39,39	0
57	MG	1A	3267	1/1	0.95	0.08	35,35,35,35	0
57	MG	2A	3801	1/1	0.95	0.09	46,46,46,46	0
57	MG	2A	3802	1/1	0.95	0.10	50,50,50,50	0
57	MG	2x	104	1/1	0.95	0.08	67,67,67,67	0
57	MG	2x	105	1/1	0.95	0.20	62,62,62,62	0
57	MG	2x	106	1/1	0.95	0.13	58,58,58,58	0
57	MG	1a	1648	1/1	0.95	0.09	43,43,43,43	0
57	MG	2y	102	1/1	0.95	0.06	51,51,51,51	0
57	MG	1A	4076	1/1	0.95	0.17	55,55,55,55	0
57	MG	1A	3687	1/1	0.95	0.09	24,24,24,24	0
57	MG	1A	3688	1/1	0.95	0.10	72,72,72,72	0
57	MG	2A	3814	1/1	0.95	0.07	39,39,39,39	0
57	MG	2A	3819	1/1	0.95	0.06	45,45,45,45	0
57	MG	2A	3820	1/1	0.95	0.06	30,30,30,30	0
59	6IF	1A	4089	32/32	0.95	0.10	24,31,39,45	0
57	MG	1a	1658	1/1	0.95	0.12	48,48,48,48	0
57	MG	1a	1659	1/1	0.95	0.09	66,66,66,66	0
57	MG	2A	3412	1/1	0.95	0.11	58,58,58,58	0
57	MG	1A	3011	1/1	0.96	0.09	40,40,40,40	0
57	MG	2A	3453	1/1	0.96	0.08	49,49,49,49	0
57	MG	2A	3454	1/1	0.96	0.06	50,50,50,50	0
57	MG	1A	3917	1/1	0.96	0.06	43,43,43,43	0
57	MG	1F	314	1/1	0.96	0.04	37,37,37,37	0
57	MG	1A	3544	1/1	0.96	0.08	53,53,53,53	0
57	MG	1G	201	1/1	0.96	0.09	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2B	203	1/1	0.96	0.10	54,54,54,54	0
57	MG	1A	3089	1/1	0.96	0.07	40,40,40,40	0
57	MG	1A	3039	1/1	0.96	0.18	24,24,24,24	0
57	MG	1A	3553	1/1	0.96	0.06	29,29,29,29	0
57	MG	1A	3436	1/1	0.96	0.08	36,36,36,36	0
57	MG	1A	3042	1/1	0.96	0.06	33,33,33,33	0
57	MG	2B	209	1/1	0.96	0.10	38,38,38,38	0
57	MG	1A	3256	1/1	0.96	0.10	40,40,40,40	0
57	MG	2B	211	1/1	0.96	0.12	43,43,43,43	0
57	MG	1A	3440	1/1	0.96	0.24	31,31,31,31	0
57	MG	1A	3062	1/1	0.96	0.11	48,48,48,48	0
57	MG	1a	1737	1/1	0.96	0.16	51,51,51,51	0
57	MG	1a	1738	1/1	0.96	0.09	62,62,62,62	0
57	MG	2A	3177	1/1	0.96	0.08	50,50,50,50	0
57	MG	2B	217	1/1	0.96	0.12	68,68,68,68	0
57	MG	1A	3561	1/1	0.96	0.09	31,31,31,31	0
57	MG	1N	206	1/1	0.96	0.05	39,39,39,39	0
57	MG	1A	3014	1/1	0.96	0.08	22,22,22,22	0
57	MG	2A	3482	1/1	0.96	0.11	34,34,34,34	0
57	MG	1A	3940	1/1	0.96	0.07	72,72,72,72	0
57	MG	2E	303	1/1	0.96	0.07	53,53,53,53	0
57	MG	2A	3485	1/1	0.96	0.20	44,44,44,44	0
57	MG	1A	3343	1/1	0.96	0.23	35,35,35,35	0
57	MG	1P	202	1/1	0.96	0.12	33,33,33,33	0
57	MG	2F	302	1/1	0.96	0.06	56,56,56,56	0
57	MG	2A	3187	1/1	0.96	0.07	45,45,45,45	0
57	MG	1A	3568	1/1	0.96	0.14	35,35,35,35	0
57	MG	1A	3099	1/1	0.96	0.07	34,34,34,34	0
57	MG	1a	1750	1/1	0.96	0.09	48,48,48,48	0
57	MG	2A	3493	1/1	0.96	0.26	36,36,36,36	0
57	MG	1A	3448	1/1	0.96	0.14	55,55,55,55	0
57	MG	2N	201	1/1	0.96	0.10	58,58,58,58	0
57	MG	1A	3945	1/1	0.96	0.05	40,40,40,40	0
57	MG	1a	1755	1/1	0.96	0.07	43,43,43,43	0
57	MG	1A	3732	1/1	0.96	0.08	32,32,32,32	0
57	MG	1A	3001	1/1	0.96	0.08	41,41,41,41	0
57	MG	1A	3455	1/1	0.96	0.07	30,30,30,30	0
57	MG	1A	3144	1/1	0.96	0.17	40,40,40,40	0
57	MG	1A	3738	1/1	0.96	0.12	28,28,28,28	0
57	MG	1A	3575	1/1	0.96	0.06	35,35,35,35	0
57	MG	2T	203	1/1	0.96	0.09	63,63,63,63	0
57	MG	1A	3350	1/1	0.96	0.10	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3577	1/1	0.96	0.09	43,43,43,43	0
57	MG	1a	1765	1/1	0.96	0.11	51,51,51,51	0
57	MG	2A	3209	1/1	0.96	0.10	60,60,60,60	0
57	MG	1A	3197	1/1	0.96	0.15	37,37,37,37	0
57	MG	1A	3198	1/1	0.96	0.07	18,18,18,18	0
57	MG	2A	3516	1/1	0.96	0.10	41,41,41,41	0
57	MG	1a	1768	1/1	0.96	0.06	54,54,54,54	0
57	MG	1A	3204	1/1	0.96	0.14	54,54,54,54	0
57	MG	23	101	1/1	0.96	0.06	51,51,51,51	0
57	MG	23	102	1/1	0.96	0.04	41,41,41,41	0
57	MG	25	101	1/1	0.96	0.12	38,38,38,38	0
57	MG	1A	3583	1/1	0.96	0.08	33,33,33,33	0
57	MG	1A	3584	1/1	0.96	0.08	42,42,42,42	0
57	MG	2A	3219	1/1	0.96	0.14	39,39,39,39	0
57	MG	1A	3104	1/1	0.96	0.30	33,33,33,33	0
57	MG	2A	3221	1/1	0.96	0.16	48,48,48,48	0
57	MG	1U	201	1/1	0.96	0.05	23,23,23,23	0
57	MG	1a	1776	1/1	0.96	0.06	55,55,55,55	0
57	MG	2A	3224	1/1	0.96	0.14	46,46,46,46	0
57	MG	1a	1778	1/1	0.96	0.09	49,49,49,49	0
57	MG	1A	3105	1/1	0.96	0.05	25,25,25,25	0
57	MG	1a	1784	1/1	0.96	0.07	59,59,59,59	0
57	MG	1a	1786	1/1	0.96	0.07	61,61,61,61	0
57	MG	2A	3230	1/1	0.96	0.18	51,51,51,51	0
57	MG	2a	1607	1/1	0.96	0.15	51,51,51,51	0
57	MG	1U	203	1/1	0.96	0.12	33,33,33,33	0
57	MG	2A	3540	1/1	0.96	0.07	37,37,37,37	0
57	MG	1U	204	1/1	0.96	0.18	38,38,38,38	0
57	MG	2A	3547	1/1	0.96	0.12	40,40,40,40	0
57	MG	1U	206	1/1	0.96	0.21	36,36,36,36	0
57	MG	1U	207	1/1	0.96	0.05	27,27,27,27	0
57	MG	1U	209	1/1	0.96	0.08	38,38,38,38	0
57	MG	1A	3587	1/1	0.96	0.09	32,32,32,32	0
57	MG	1A	3358	1/1	0.96	0.07	44,44,44,44	0
57	MG	2A	3555	1/1	0.96	0.07	67,67,67,67	0
57	MG	2a	1619	1/1	0.96	0.25	63,63,63,63	0
57	MG	2A	3556	1/1	0.96	0.06	39,39,39,39	0
57	MG	1a	1796	1/1	0.96	0.04	48,48,48,48	0
57	MG	1A	3359	1/1	0.96	0.08	47,47,47,47	0
57	MG	1A	3360	1/1	0.96	0.24	51,51,51,51	0
57	MG	1A	3051	1/1	0.96	0.08	34,34,34,34	0
57	MG	1W	204	1/1	0.96	0.12	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3210	1/1	0.96	0.09	21,21,21,21	0
57	MG	1A	3769	1/1	0.96	0.07	21,21,21,21	0
57	MG	2A	3567	1/1	0.96	0.08	51,51,51,51	0
57	MG	1A	3468	1/1	0.96	0.17	61,61,61,61	0
57	MG	1A	3150	1/1	0.96	0.09	31,31,31,31	0
57	MG	1a	1806	1/1	0.96	0.18	49,49,49,49	0
57	MG	1A	3367	1/1	0.96	0.21	55,55,55,55	0
57	MG	1Y	201	1/1	0.96	0.09	33,33,33,33	0
57	MG	1A	3985	1/1	0.96	0.11	26,26,26,26	0
57	MG	1A	3599	1/1	0.96	0.06	25,25,25,25	0
57	MG	1A	3987	1/1	0.96	0.06	40,40,40,40	0
57	MG	1e	201	1/1	0.96	0.09	61,61,61,61	0
57	MG	2A	3580	1/1	0.96	0.06	64,64,64,64	0
57	MG	1A	3277	1/1	0.96	0.16	29,29,29,29	0
57	MG	1A	3213	1/1	0.96	0.09	46,46,46,46	0
57	MG	1A	3370	1/1	0.96	0.15	43,43,43,43	0
57	MG	2A	3587	1/1	0.96	0.07	43,43,43,43	0
57	MG	2A	3588	1/1	0.96	0.07	41,41,41,41	0
57	MG	2A	3261	1/1	0.96	0.10	57,57,57,57	0
57	MG	1A	3479	1/1	0.96	0.08	42,42,42,42	0
57	MG	1A	3789	1/1	0.96	0.09	38,38,38,38	0
57	MG	2a	1647	1/1	0.96	0.13	52,52,52,52	0
57	MG	1A	3790	1/1	0.96	0.09	39,39,39,39	0
57	MG	1A	3996	1/1	0.96	0.04	27,27,27,27	0
57	MG	1p	101	1/1	0.96	0.07	51,51,51,51	0
57	MG	2A	3599	1/1	0.96	0.06	70,70,70,70	0
57	MG	1A	3480	1/1	0.96	0.10	42,42,42,42	0
57	MG	2A	3601	1/1	0.96	0.06	56,56,56,56	0
57	MG	1A	3608	1/1	0.96	0.09	34,34,34,34	0
57	MG	11	104	1/1	0.96	0.06	42,42,42,42	0
57	MG	1w	101	1/1	0.96	0.21	53,53,53,53	0
57	MG	12	102	1/1	0.96	0.10	38,38,38,38	0
57	MG	2A	3607	1/1	0.96	0.10	42,42,42,42	0
57	MG	1A	3609	1/1	0.96	0.06	37,37,37,37	0
57	MG	1A	3153	1/1	0.96	0.05	35,35,35,35	0
57	MG	2A	3610	1/1	0.96	0.07	38,38,38,38	0
57	MG	1A	3377	1/1	0.96	0.19	38,38,38,38	0
57	MG	2A	3613	1/1	0.96	0.06	35,35,35,35	0
57	MG	2a	1664	1/1	0.96	0.20	53,53,53,53	0
57	MG	1A	3798	1/1	0.96	0.07	27,27,27,27	0
57	MG	2a	1666	1/1	0.96	0.15	48,48,48,48	0
57	MG	1A	4009	1/1	0.96	0.07	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3615	1/1	0.96	0.07	42,42,42,42	0
57	MG	2A	3279	1/1	0.96	0.12	42,42,42,42	0
57	MG	1A	3616	1/1	0.96	0.11	29,29,29,29	0
57	MG	1A	3802	1/1	0.96	0.07	41,41,41,41	0
57	MG	1A	3006	1/1	0.96	0.09	45,45,45,45	0
57	MG	1A	3485	1/1	0.96	0.08	32,32,32,32	0
57	MG	1x	105	1/1	0.96	0.07	49,49,49,49	0
57	MG	15	107	1/1	0.96	0.12	26,26,26,26	0
57	MG	1A	3283	1/1	0.96	0.06	51,51,51,51	0
57	MG	16	101	1/1	0.96	0.06	44,44,44,44	0
57	MG	1A	3380	1/1	0.96	0.07	38,38,38,38	0
57	MG	1A	3489	1/1	0.96	0.10	51,51,51,51	0
57	MG	1A	3285	1/1	0.96	0.05	39,39,39,39	0
57	MG	1A	4024	1/1	0.96	0.08	49,49,49,49	0
57	MG	1x	113	1/1	0.96	0.13	61,61,61,61	0
57	MG	2a	1687	1/1	0.96	0.07	50,50,50,50	0
57	MG	2A	3636	1/1	0.96	0.21	39,39,39,39	0
57	MG	1x	114	1/1	0.96	0.07	50,50,50,50	0
57	MG	1A	3491	1/1	0.96	0.18	25,25,25,25	0
57	MG	1A	3112	1/1	0.96	0.15	28,28,28,28	0
57	MG	2A	3002	1/1	0.96	0.27	54,54,54,54	0
57	MG	2A	3003	1/1	0.96	0.23	49,49,49,49	0
57	MG	2A	3004	1/1	0.96	0.23	56,56,56,56	0
57	MG	18	103	1/1	0.96	0.19	47,47,47,47	0
57	MG	1A	3814	1/1	0.96	0.17	23,23,23,23	0
57	MG	1A	3115	1/1	0.96	0.07	47,47,47,47	0
57	MG	1A	3496	1/1	0.96	0.08	33,33,33,33	0
57	MG	2a	1699	1/1	0.96	0.17	66,66,66,66	0
57	MG	1A	3634	1/1	0.96	0.10	51,51,51,51	0
57	MG	1A	3635	1/1	0.96	0.06	16,16,16,16	0
57	MG	1A	3290	1/1	0.96	0.07	33,33,33,33	0
57	MG	1A	4040	1/1	0.96	0.07	37,37,37,37	0
57	MG	2A	3308	1/1	0.96	0.09	44,44,44,44	0
57	MG	2A	3655	1/1	0.96	0.12	66,66,66,66	0
57	MG	2a	1706	1/1	0.96	0.10	63,63,63,63	0
57	MG	1A	3054	1/1	0.96	0.07	28,28,28,28	0
57	MG	2A	3658	1/1	0.96	0.09	49,49,49,49	0
57	MG	1A	4045	1/1	0.96	0.07	49,49,49,49	0
57	MG	2A	3024	1/1	0.96	0.07	34,34,34,34	0
57	MG	2A	3661	1/1	0.96	0.12	51,51,51,51	0
57	MG	2A	3025	1/1	0.96	0.09	51,51,51,51	0
57	MG	1a	1609	1/1	0.96	0.19	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3664	1/1	0.96	0.08	54,54,54,54	0
57	MG	1A	3640	1/1	0.96	0.07	24,24,24,24	0
57	MG	1A	3500	1/1	0.96	0.07	36,36,36,36	0
57	MG	2A	3670	1/1	0.96	0.06	41,41,41,41	0
57	MG	2a	1718	1/1	0.96	0.13	61,61,61,61	0
57	MG	2A	3671	1/1	0.96	0.14	46,46,46,46	0
57	MG	1a	1615	1/1	0.96	0.07	56,56,56,56	0
57	MG	1A	3833	1/1	0.96	0.04	30,30,30,30	0
57	MG	1A	3117	1/1	0.96	0.09	33,33,33,33	0
57	MG	1A	4052	1/1	0.96	0.07	40,40,40,40	0
57	MG	1A	3837	1/1	0.96	0.05	43,43,43,43	0
57	MG	2A	3039	1/1	0.96	0.11	50,50,50,50	0
57	MG	2A	3040	1/1	0.96	0.10	57,57,57,57	0
57	MG	1A	3645	1/1	0.96	0.06	40,40,40,40	0
57	MG	1A	4057	1/1	0.96	0.10	48,48,48,48	0
57	MG	1A	3225	1/1	0.96	0.05	32,32,32,32	0
57	MG	1A	3840	1/1	0.96	0.08	56,56,56,56	0
57	MG	1a	1626	1/1	0.96	0.17	56,56,56,56	0
57	MG	1A	4061	1/1	0.96	0.08	43,43,43,43	0
57	MG	1A	3119	1/1	0.96	0.14	35,35,35,35	0
57	MG	1A	3648	1/1	0.96	0.07	35,35,35,35	0
57	MG	2A	3333	1/1	0.96	0.06	58,58,58,58	0
57	MG	1A	3229	1/1	0.96	0.07	26,26,26,26	0
57	MG	1A	3846	1/1	0.96	0.10	59,59,59,59	0
57	MG	1A	3650	1/1	0.96	0.05	34,34,34,34	0
57	MG	2A	3337	1/1	0.96	0.07	42,42,42,42	0
57	MG	1A	3396	1/1	0.96	0.15	49,49,49,49	0
57	MG	1a	1635	1/1	0.96	0.08	51,51,51,51	0
57	MG	1A	3509	1/1	0.96	0.13	30,30,30,30	0
57	MG	1a	1637	1/1	0.96	0.07	52,52,52,52	0
57	MG	2A	3701	1/1	0.96	0.13	27,27,27,27	0
57	MG	2A	3343	1/1	0.96	0.07	47,47,47,47	0
57	MG	1A	3851	1/1	0.96	0.05	44,44,44,44	0
57	MG	2A	3060	1/1	0.96	0.09	65,65,65,65	0
57	MG	1A	3852	1/1	0.96	0.07	20,20,20,20	0
57	MG	2A	3062	1/1	0.96	0.15	47,47,47,47	0
57	MG	2A	3708	1/1	0.96	0.10	43,43,43,43	0
57	MG	1A	3021	1/1	0.96	0.07	37,37,37,37	0
57	MG	1A	3656	1/1	0.96	0.05	18,18,18,18	0
57	MG	1A	3658	1/1	0.96	0.06	51,51,51,51	0
57	MG	2a	1760	1/1	0.96	0.12	63,63,63,63	0
57	MG	1A	3303	1/1	0.96	0.10	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3860	1/1	0.96	0.05	37,37,37,37	0
57	MG	2a	1763	1/1	0.96	0.08	67,67,67,67	0
57	MG	1A	3515	1/1	0.96	0.09	38,38,38,38	0
57	MG	1A	4081	1/1	0.96	0.06	33,33,33,33	0
57	MG	2a	1766	1/1	0.96	0.07	64,64,64,64	0
57	MG	2A	3718	1/1	0.96	0.07	55,55,55,55	0
57	MG	2A	3719	1/1	0.96	0.10	66,66,66,66	0
57	MG	1A	3403	1/1	0.96	0.08	35,35,35,35	0
57	MG	1a	1649	1/1	0.96	0.07	48,48,48,48	0
57	MG	1A	3231	1/1	0.96	0.07	32,32,32,32	0
57	MG	2a	1775	1/1	0.96	0.09	46,46,46,46	0
57	MG	1A	3667	1/1	0.96	0.06	24,24,24,24	0
57	MG	1a	1656	1/1	0.96	0.11	48,48,48,48	0
57	MG	1A	3163	1/1	0.96	0.05	33,33,33,33	0
57	MG	2A	3365	1/1	0.96	0.17	40,40,40,40	0
57	MG	1A	3124	1/1	0.96	0.24	44,44,44,44	0
57	MG	1A	3085	1/1	0.96	0.08	32,32,32,32	0
57	MG	2A	3084	1/1	0.96	0.07	47,47,47,47	0
57	MG	1A	3166	1/1	0.96	0.04	33,33,33,33	0
57	MG	2A	3370	1/1	0.96	0.09	41,41,41,41	0
57	MG	2A	3371	1/1	0.96	0.04	38,38,38,38	0
57	MG	1A	3869	1/1	0.96	0.05	33,33,33,33	0
57	MG	1A	3676	1/1	0.96	0.04	24,24,24,24	0
57	MG	2A	3742	1/1	0.96	0.11	51,51,51,51	0
57	MG	2A	3375	1/1	0.96	0.08	59,59,59,59	0
57	MG	2A	3088	1/1	0.96	0.07	41,41,41,41	0
57	MG	2A	3745	1/1	0.96	0.07	44,44,44,44	0
57	MG	1a	1663	1/1	0.96	0.08	40,40,40,40	0
57	MG	1A	3239	1/1	0.96	0.12	34,34,34,34	0
57	MG	2A	3748	1/1	0.96	0.10	45,45,45,45	0
57	MG	1A	3167	1/1	0.96	0.13	39,39,39,39	0
57	MG	2A	3751	1/1	0.96	0.09	41,41,41,41	0
57	MG	2A	3092	1/1	0.96	0.08	44,44,44,44	0
57	MG	1a	1666	1/1	0.96	0.12	52,52,52,52	0
57	MG	2A	3095	1/1	0.96	0.12	63,63,63,63	0
57	MG	2A	3755	1/1	0.96	0.05	66,66,66,66	0
57	MG	1A	3680	1/1	0.96	0.05	25,25,25,25	0
57	MG	2A	3097	1/1	0.96	0.10	48,48,48,48	0
57	MG	1A	3525	1/1	0.96	0.15	38,38,38,38	0
57	MG	2A	3759	1/1	0.96	0.15	52,52,52,52	0
57	MG	1A	3126	1/1	0.96	0.15	22,22,22,22	0
57	MG	1A	3686	1/1	0.96	0.09	16,16,16,16	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3390	1/1	0.96	0.13	55,55,55,55	0
57	MG	2A	3101	1/1	0.96	0.09	34,34,34,34	0
57	MG	1B	212	1/1	0.96	0.07	60,60,60,60	0
57	MG	2A	3394	1/1	0.96	0.13	32,32,32,32	0
57	MG	1A	3127	1/1	0.96	0.08	70,70,70,70	0
57	MG	1A	3323	1/1	0.96	0.06	37,37,37,37	0
57	MG	1B	218	1/1	0.96	0.05	43,43,43,43	0
57	MG	2A	3772	1/1	0.96	0.05	37,37,37,37	0
57	MG	1A	3689	1/1	0.96	0.07	22,22,22,22	0
57	MG	2a	1817	1/1	0.96	0.10	51,51,51,51	0
57	MG	2A	3400	1/1	0.96	0.15	54,54,54,54	0
57	MG	1A	3173	1/1	0.96	0.10	28,28,28,28	0
57	MG	1A	3009	1/1	0.96	0.05	24,24,24,24	0
57	MG	2A	3112	1/1	0.96	0.16	45,45,45,45	0
57	MG	1A	3247	1/1	0.96	0.07	50,50,50,50	0
57	MG	1A	3893	1/1	0.96	0.06	43,43,43,43	0
57	MG	2A	3118	1/1	0.96	0.16	59,59,59,59	0
57	MG	1B	225	1/1	0.96	0.07	49,49,49,49	0
57	MG	2a	1826	1/1	0.96	0.15	49,49,49,49	0
57	MG	1B	226	1/1	0.96	0.05	47,47,47,47	0
57	MG	1A	3696	1/1	0.96	0.09	18,18,18,18	0
57	MG	2A	3787	1/1	0.96	0.14	62,62,62,62	0
57	MG	1B	229	1/1	0.96	0.05	39,39,39,39	0
57	MG	1A	3327	1/1	0.96	0.08	48,48,48,48	0
57	MG	1A	3424	1/1	0.96	0.09	35,35,35,35	0
57	MG	1A	3900	1/1	0.96	0.05	24,24,24,24	0
57	MG	2A	3793	1/1	0.96	0.05	68,68,68,68	0
57	MG	2A	3794	1/1	0.96	0.12	46,46,46,46	0
57	MG	2A	3128	1/1	0.96	0.12	73,73,73,73	0
57	MG	2A	3796	1/1	0.96	0.10	39,39,39,39	0
57	MG	1A	3902	1/1	0.96	0.08	34,34,34,34	0
57	MG	1D	305	1/1	0.96	0.09	44,44,44,44	0
57	MG	1D	306	1/1	0.96	0.09	24,24,24,24	0
57	MG	1a	1697	1/1	0.96	0.22	61,61,61,61	0
57	MG	1A	3699	1/1	0.96	0.10	37,37,37,37	0
57	MG	2A	3137	1/1	0.96	0.12	63,63,63,63	0
57	MG	2A	3424	1/1	0.96	0.09	57,57,57,57	0
57	MG	1A	3539	1/1	0.96	0.13	42,42,42,42	0
57	MG	1A	3701	1/1	0.96	0.11	25,25,25,25	0
57	MG	2A	3141	1/1	0.96	0.14	58,58,58,58	0
57	MG	2A	3818	1/1	0.96	0.06	48,48,48,48	0
57	MG	1A	3540	1/1	0.96	0.07	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1E	301	1/1	0.96	0.06	25,25,25,25	0
57	MG	1E	302	1/1	0.96	0.11	34,34,34,34	0
57	MG	2A	3432	1/1	0.96	0.10	35,35,35,35	0
57	MG	1E	303	1/1	0.96	0.10	36,36,36,36	0
57	MG	1A	3703	1/1	0.96	0.09	34,34,34,34	0
57	MG	1A	3129	1/1	0.96	0.07	31,31,31,31	0
57	MG	2A	3149	1/1	0.96	0.06	52,52,52,52	0
57	MG	1A	3913	1/1	0.96	0.05	54,54,54,54	0
57	MG	2A	3831	1/1	0.96	0.07	54,54,54,54	0
57	MG	2A	3832	1/1	0.96	0.17	44,44,44,44	0
57	MG	2A	3438	1/1	0.96	0.09	40,40,40,40	0
57	MG	2A	3834	1/1	0.96	0.09	53,53,53,53	0
57	MG	1A	3178	1/1	0.96	0.07	40,40,40,40	0
57	MG	2A	3440	1/1	0.96	0.08	34,34,34,34	0
57	MG	1a	1710	1/1	0.96	0.17	51,51,51,51	0
57	MG	2A	3153	1/1	0.96	0.15	55,55,55,55	0
57	MG	1F	305	1/1	0.96	0.11	25,25,25,25	0
57	MG	2A	3841	1/1	0.96	0.16	60,60,60,60	0
57	MG	2A	3842	1/1	0.96	0.11	48,48,48,48	0
57	MG	2A	3846	1/1	0.96	0.09	48,48,48,48	0
57	MG	2A	3447	1/1	0.96	0.08	44,44,44,44	0
57	MG	1F	308	1/1	0.96	0.13	31,31,31,31	0
57	MG	1A	3915	1/1	0.96	0.06	33,33,33,33	0
57	MG	2A	3851	1/1	0.96	0.17	47,47,47,47	0
60	ZN	2n	501	1/1	0.96	0.05	91,91,91,91	0
57	MG	1A	3320	1/1	0.97	0.07	45,45,45,45	0
57	MG	1A	4012	1/1	0.97	0.04	23,23,23,23	0
57	MG	2A	3515	1/1	0.97	0.08	52,52,52,52	0
57	MG	1A	3820	1/1	0.97	0.04	17,17,17,17	0
57	MG	2A	3517	1/1	0.97	0.05	46,46,46,46	0
57	MG	2B	218	1/1	0.97	0.09	58,58,58,58	0
57	MG	1A	3200	1/1	0.97	0.06	32,32,32,32	0
57	MG	2D	301	1/1	0.97	0.12	48,48,48,48	0
57	MG	1Z	301	1/1	0.97	0.12	46,46,46,46	0
57	MG	1Z	302	1/1	0.97	0.06	37,37,37,37	0
57	MG	2A	3521	1/1	0.97	0.06	27,27,27,27	0
57	MG	1A	3824	1/1	0.97	0.04	35,35,35,35	0
57	MG	1A	4018	1/1	0.97	0.04	30,30,30,30	0
57	MG	2E	305	1/1	0.97	0.16	44,44,44,44	0
57	MG	1Z	305	1/1	0.97	0.04	30,30,30,30	0
57	MG	1A	3322	1/1	0.97	0.07	37,37,37,37	0
57	MG	2A	3526	1/1	0.97	0.04	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3201	1/1	0.97	0.06	45,45,45,45	0
57	MG	1A	3654	1/1	0.97	0.04	23,23,23,23	0
57	MG	1A	3013	1/1	0.97	0.14	24,24,24,24	0
57	MG	1A	3205	1/1	0.97	0.06	29,29,29,29	0
57	MG	2F	306	1/1	0.97	0.08	44,44,44,44	0
57	MG	2A	3533	1/1	0.97	0.04	55,55,55,55	0
57	MG	1A	3056	1/1	0.97	0.07	38,38,38,38	0
57	MG	1A	3834	1/1	0.97	0.07	46,46,46,46	0
57	MG	1I	101	1/1	0.97	0.10	35,35,35,35	0
57	MG	1A	3527	1/1	0.97	0.14	28,28,28,28	0
57	MG	1I	103	1/1	0.97	0.07	31,31,31,31	0
57	MG	1A	3084	1/1	0.97	0.12	41,41,41,41	0
57	MG	12	101	1/1	0.97	0.05	29,29,29,29	0
57	MG	2A	3542	1/1	0.97	0.06	49,49,49,49	0
57	MG	2A	3543	1/1	0.97	0.09	33,33,33,33	0
57	MG	2A	3544	1/1	0.97	0.06	38,38,38,38	0
57	MG	2R	202	1/1	0.97	0.05	47,47,47,47	0
57	MG	2A	3546	1/1	0.97	0.06	46,46,46,46	0
57	MG	2T	202	1/1	0.97	0.08	42,42,42,42	0
57	MG	1A	3530	1/1	0.97	0.09	29,29,29,29	0
57	MG	2U	201	1/1	0.97	0.13	45,45,45,45	0
57	MG	1I	201	1/1	0.97	0.05	52,52,52,52	0
57	MG	1A	4031	1/1	0.97	0.11	32,32,32,32	0
57	MG	2A	3550	1/1	0.97	0.07	28,28,28,28	0
57	MG	1A	3421	1/1	0.97	0.08	39,39,39,39	0
57	MG	1A	3666	1/1	0.97	0.03	25,25,25,25	0
57	MG	2X	103	1/1	0.97	0.06	49,49,49,49	0
57	MG	2A	3553	1/1	0.97	0.07	53,53,53,53	0
57	MG	1A	3328	1/1	0.97	0.14	41,41,41,41	0
57	MG	1A	3668	1/1	0.97	0.10	16,16,16,16	0
57	MG	1A	3423	1/1	0.97	0.08	32,32,32,32	0
57	MG	1A	3258	1/1	0.97	0.04	28,28,28,28	0
57	MG	2A	3559	1/1	0.97	0.07	44,44,44,44	0
57	MG	2A	3252	1/1	0.97	0.11	43,43,43,43	0
57	MG	1A	4043	1/1	0.97	0.06	38,38,38,38	0
57	MG	2A	3562	1/1	0.97	0.10	69,69,69,69	0
57	MG	2A	3254	1/1	0.97	0.12	55,55,55,55	0
57	MG	1A	3426	1/1	0.97	0.05	41,41,41,41	0
57	MG	1A	3848	1/1	0.97	0.04	16,16,16,16	0
57	MG	1A	3536	1/1	0.97	0.13	40,40,40,40	0
57	MG	15	108	1/1	0.97	0.09	37,37,37,37	0
57	MG	1A	3537	1/1	0.97	0.06	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3330	1/1	0.97	0.04	36,36,36,36	0
57	MG	1w	108	1/1	0.97	0.07	66,66,66,66	0
57	MG	1A	3259	1/1	0.97	0.05	39,39,39,39	0
57	MG	17	102	1/1	0.97	0.04	33,33,33,33	0
57	MG	1A	3123	1/1	0.97	0.13	38,38,38,38	0
57	MG	1A	3261	1/1	0.97	0.06	52,52,52,52	0
57	MG	1A	3433	1/1	0.97	0.11	37,37,37,37	0
57	MG	1A	3043	1/1	0.97	0.06	22,22,22,22	0
57	MG	2a	1610	1/1	0.97	0.06	50,50,50,50	0
57	MG	17	108	1/1	0.97	0.05	37,37,37,37	0
57	MG	1A	3435	1/1	0.97	0.07	28,28,28,28	0
57	MG	1A	4060	1/1	0.97	0.07	31,31,31,31	0
57	MG	1A	3545	1/1	0.97	0.05	53,53,53,53	0
57	MG	1A	3028	1/1	0.97	0.14	29,29,29,29	0
57	MG	1A	4063	1/1	0.97	0.13	53,53,53,53	0
57	MG	1A	3690	1/1	0.97	0.05	40,40,40,40	0
57	MG	1A	3547	1/1	0.97	0.15	34,34,34,34	0
57	MG	2A	3592	1/1	0.97	0.07	39,39,39,39	0
57	MG	1A	3337	1/1	0.97	0.05	46,46,46,46	0
57	MG	1A	3552	1/1	0.97	0.14	25,25,25,25	0
57	MG	1A	3212	1/1	0.97	0.13	38,38,38,38	0
57	MG	1A	3059	1/1	0.97	0.06	33,33,33,33	0
57	MG	1a	1608	1/1	0.97	0.04	48,48,48,48	0
57	MG	1A	3340	1/1	0.97	0.06	41,41,41,41	0
57	MG	2A	3005	1/1	0.97	0.17	47,47,47,47	0
57	MG	1A	3442	1/1	0.97	0.09	34,34,34,34	0
57	MG	2A	3007	1/1	0.97	0.08	48,48,48,48	0
57	MG	1a	1611	1/1	0.97	0.12	27,27,27,27	0
57	MG	2A	3605	1/1	0.97	0.06	43,43,43,43	0
57	MG	2A	3010	1/1	0.97	0.11	53,53,53,53	0
57	MG	1a	1612	1/1	0.97	0.07	54,54,54,54	0
57	MG	1A	3871	1/1	0.97	0.23	42,42,42,42	0
57	MG	2A	3014	1/1	0.97	0.29	52,52,52,52	0
57	MG	2A	3015	1/1	0.97	0.13	49,49,49,49	0
57	MG	1a	1614	1/1	0.97	0.13	48,48,48,48	0
57	MG	2A	3612	1/1	0.97	0.04	44,44,44,44	0
57	MG	1A	4075	1/1	0.97	0.08	35,35,35,35	0
57	MG	1A	3873	1/1	0.97	0.18	28,28,28,28	0
57	MG	1A	3874	1/1	0.97	0.13	26,26,26,26	0
57	MG	1A	3215	1/1	0.97	0.08	27,27,27,27	0
57	MG	2A	3022	1/1	0.97	0.05	43,43,43,43	0
57	MG	1a	1619	1/1	0.97	0.07	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3342	1/1	0.97	0.11	42,42,42,42	0
57	MG	1a	1621	1/1	0.97	0.07	54,54,54,54	0
57	MG	2A	3026	1/1	0.97	0.09	50,50,50,50	0
57	MG	1A	3017	1/1	0.97	0.11	30,30,30,30	0
57	MG	1A	3345	1/1	0.97	0.04	25,25,25,25	0
57	MG	2A	3627	1/1	0.97	0.08	61,61,61,61	0
57	MG	1A	3881	1/1	0.97	0.05	23,23,23,23	0
57	MG	1A	3564	1/1	0.97	0.11	24,24,24,24	0
57	MG	1A	3449	1/1	0.97	0.10	43,43,43,43	0
57	MG	1A	3567	1/1	0.97	0.06	34,34,34,34	0
57	MG	1A	3885	1/1	0.97	0.06	42,42,42,42	0
57	MG	1A	3346	1/1	0.97	0.04	38,38,38,38	0
57	MG	1A	3452	1/1	0.97	0.07	49,49,49,49	0
57	MG	1B	201	1/1	0.97	0.13	40,40,40,40	0
57	MG	1A	3454	1/1	0.97	0.06	37,37,37,37	0
57	MG	2A	3638	1/1	0.97	0.04	49,49,49,49	0
57	MG	2A	3316	1/1	0.97	0.04	32,32,32,32	0
57	MG	1A	3269	1/1	0.97	0.08	35,35,35,35	0
57	MG	1A	3048	1/1	0.97	0.16	29,29,29,29	0
57	MG	1A	3049	1/1	0.97	0.09	25,25,25,25	0
57	MG	1A	3065	1/1	0.97	0.08	42,42,42,42	0
57	MG	1A	3038	1/1	0.97	0.04	26,26,26,26	0
57	MG	1B	208	1/1	0.97	0.08	45,45,45,45	0
57	MG	2A	3048	1/1	0.97	0.12	24,24,24,24	0
57	MG	2a	1668	1/1	0.97	0.11	54,54,54,54	0
57	MG	1B	209	1/1	0.97	0.13	46,46,46,46	0
57	MG	2a	1670	1/1	0.97	0.10	50,50,50,50	0
57	MG	1A	3897	1/1	0.97	0.08	35,35,35,35	0
57	MG	1A	3898	1/1	0.97	0.07	38,38,38,38	0
57	MG	1A	3221	1/1	0.97	0.10	29,29,29,29	0
57	MG	2a	1674	1/1	0.97	0.06	44,44,44,44	0
57	MG	2A	3652	1/1	0.97	0.08	38,38,38,38	0
57	MG	1a	1644	1/1	0.97	0.16	61,61,61,61	0
57	MG	1B	213	1/1	0.97	0.08	43,43,43,43	0
57	MG	1B	214	1/1	0.97	0.12	56,56,56,56	0
57	MG	1A	3275	1/1	0.97	0.06	43,43,43,43	0
57	MG	1A	3222	1/1	0.97	0.05	22,22,22,22	0
57	MG	1B	217	1/1	0.97	0.07	25,25,25,25	0
57	MG	1A	3171	1/1	0.97	0.20	27,27,27,27	0
57	MG	1a	1653	1/1	0.97	0.09	48,48,48,48	0
57	MG	2a	1684	1/1	0.97	0.11	62,62,62,62	0
57	MG	1A	3727	1/1	0.97	0.04	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1655	1/1	0.97	0.05	46,46,46,46	0
57	MG	2A	3065	1/1	0.97	0.06	46,46,46,46	0
57	MG	1A	3906	1/1	0.97	0.04	22,22,22,22	0
57	MG	1A	3908	1/1	0.97	0.07	22,22,22,22	0
57	MG	2A	3668	1/1	0.97	0.05	33,33,33,33	0
57	MG	1A	3070	1/1	0.97	0.07	48,48,48,48	0
57	MG	1A	3072	1/1	0.97	0.14	31,31,31,31	0
57	MG	1B	224	1/1	0.97	0.06	33,33,33,33	0
57	MG	2A	3673	1/1	0.97	0.14	50,50,50,50	0
57	MG	1A	3101	1/1	0.97	0.13	38,38,38,38	0
57	MG	1A	3284	1/1	0.97	0.08	38,38,38,38	0
57	MG	1A	3102	1/1	0.97	0.05	23,23,23,23	0
57	MG	2A	3348	1/1	0.97	0.15	54,54,54,54	0
57	MG	2A	3074	1/1	0.97	0.05	52,52,52,52	0
57	MG	1A	3588	1/1	0.97	0.22	45,45,45,45	0
57	MG	1A	3103	1/1	0.97	0.06	25,25,25,25	0
57	MG	1B	231	1/1	0.97	0.08	42,42,42,42	0
57	MG	1A	3736	1/1	0.97	0.06	36,36,36,36	0
57	MG	2A	3081	1/1	0.97	0.11	65,65,65,65	0
57	MG	1a	1668	1/1	0.97	0.09	55,55,55,55	0
57	MG	1B	233	1/1	0.97	0.06	29,29,29,29	0
57	MG	1A	3737	1/1	0.97	0.11	15,15,15,15	0
57	MG	1D	303	1/1	0.97	0.06	36,36,36,36	0
57	MG	1A	3473	1/1	0.97	0.06	31,31,31,31	0
57	MG	1A	3741	1/1	0.97	0.12	39,39,39,39	0
57	MG	1a	1674	1/1	0.97	0.05	45,45,45,45	0
57	MG	2A	3364	1/1	0.97	0.03	42,42,42,42	0
57	MG	1a	1675	1/1	0.97	0.13	45,45,45,45	0
57	MG	2A	3696	1/1	0.97	0.04	37,37,37,37	0
57	MG	1A	3920	1/1	0.97	0.06	45,45,45,45	0
57	MG	1a	1678	1/1	0.97	0.11	51,51,51,51	0
57	MG	2A	3093	1/1	0.97	0.06	36,36,36,36	0
57	MG	1A	3742	1/1	0.97	0.06	37,37,37,37	0
57	MG	1A	3232	1/1	0.97	0.07	46,46,46,46	0
57	MG	1A	3289	1/1	0.97	0.08	21,21,21,21	0
57	MG	1D	310	1/1	0.97	0.13	21,21,21,21	0
57	MG	2A	3704	1/1	0.97	0.04	51,51,51,51	0
57	MG	1A	3142	1/1	0.97	0.15	22,22,22,22	0
57	MG	2a	1724	1/1	0.97	0.15	54,54,54,54	0
57	MG	1D	312	1/1	0.97	0.08	30,30,30,30	0
57	MG	2a	1726	1/1	0.97	0.14	60,60,60,60	0
57	MG	1A	3930	1/1	0.97	0.04	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3377	1/1	0.97	0.15	35,35,35,35	0
57	MG	1A	3291	1/1	0.97	0.12	56,56,56,56	0
57	MG	2a	1730	1/1	0.97	0.22	43,43,43,43	0
57	MG	1A	3478	1/1	0.97	0.05	34,34,34,34	0
57	MG	2A	3103	1/1	0.97	0.13	62,62,62,62	0
57	MG	1E	304	1/1	0.97	0.31	40,40,40,40	0
57	MG	2A	3714	1/1	0.97	0.10	51,51,51,51	0
57	MG	1E	306	1/1	0.97	0.12	20,20,20,20	0
57	MG	2a	1736	1/1	0.97	0.07	40,40,40,40	0
57	MG	1E	307	1/1	0.97	0.06	34,34,34,34	0
57	MG	2A	3108	1/1	0.97	0.05	43,43,43,43	0
57	MG	1A	3371	1/1	0.97	0.06	31,31,31,31	0
57	MG	1A	3598	1/1	0.97	0.03	20,20,20,20	0
57	MG	1a	1694	1/1	0.97	0.05	42,42,42,42	0
57	MG	1A	3936	1/1	0.97	0.06	40,40,40,40	0
57	MG	2A	3723	1/1	0.97	0.07	56,56,56,56	0
57	MG	2A	3724	1/1	0.97	0.15	56,56,56,56	0
57	MG	1F	301	1/1	0.97	0.08	27,27,27,27	0
57	MG	2a	1746	1/1	0.97	0.18	49,49,49,49	0
57	MG	2a	1747	1/1	0.97	0.27	56,56,56,56	0
57	MG	1F	303	1/1	0.97	0.07	22,22,22,22	0
57	MG	1A	3753	1/1	0.97	0.06	47,47,47,47	0
57	MG	2A	3729	1/1	0.97	0.06	31,31,31,31	0
57	MG	1A	3939	1/1	0.97	0.06	66,66,66,66	0
57	MG	2A	3731	1/1	0.97	0.13	37,37,37,37	0
57	MG	1F	306	1/1	0.97	0.04	24,24,24,24	0
57	MG	2A	3396	1/1	0.97	0.14	29,29,29,29	0
57	MG	1A	3073	1/1	0.97	0.15	42,42,42,42	0
57	MG	1A	3074	1/1	0.97	0.11	31,31,31,31	0
57	MG	2A	3124	1/1	0.97	0.17	45,45,45,45	0
57	MG	1A	3108	1/1	0.97	0.08	28,28,28,28	0
57	MG	1F	312	1/1	0.97	0.11	27,27,27,27	0
57	MG	1A	3295	1/1	0.97	0.09	34,34,34,34	0
57	MG	2A	3403	1/1	0.97	0.16	45,45,45,45	0
57	MG	2A	3741	1/1	0.97	0.05	48,48,48,48	0
57	MG	1a	1706	1/1	0.97	0.08	47,47,47,47	0
57	MG	1A	3296	1/1	0.97	0.13	39,39,39,39	0
57	MG	2A	3130	1/1	0.97	0.10	51,51,51,51	0
57	MG	1A	3606	1/1	0.97	0.07	44,44,44,44	0
57	MG	1A	3186	1/1	0.97	0.07	40,40,40,40	0
57	MG	1A	3052	1/1	0.97	0.09	32,32,32,32	0
57	MG	2A	3134	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
57	MG	1A	3300	1/1	0.97	0.05	25,25,25,25	0
57	MG	2a	1771	1/1	0.97	0.13	56,56,56,56	0
57	MG	2a	1773	1/1	0.97	0.06	50,50,50,50	0
57	MG	1A	3768	1/1	0.97	0.05	42,42,42,42	0
57	MG	1A	3610	1/1	0.97	0.07	21,21,21,21	0
57	MG	2A	3139	1/1	0.97	0.09	43,43,43,43	0
57	MG	1A	3954	1/1	0.97	0.09	18,18,18,18	0
57	MG	1A	3771	1/1	0.97	0.05	31,31,31,31	0
57	MG	1a	1716	1/1	0.97	0.06	53,53,53,53	0
57	MG	1A	3241	1/1	0.97	0.11	25,25,25,25	0
57	MG	1A	3773	1/1	0.97	0.05	31,31,31,31	0
57	MG	2A	3421	1/1	0.97	0.12	35,35,35,35	0
57	MG	1A	3077	1/1	0.97	0.08	39,39,39,39	0
57	MG	1A	3492	1/1	0.97	0.13	42,42,42,42	0
57	MG	1A	3304	1/1	0.97	0.04	29,29,29,29	0
57	MG	1A	3780	1/1	0.97	0.04	40,40,40,40	0
57	MG	1O	203	1/1	0.97	0.05	43,43,43,43	0
57	MG	1A	3781	1/1	0.97	0.07	47,47,47,47	0
57	MG	1a	1726	1/1	0.97	0.10	53,53,53,53	0
57	MG	2A	3769	1/1	0.97	0.11	59,59,59,59	0
57	MG	1a	1727	1/1	0.97	0.06	48,48,48,48	0
57	MG	2A	3154	1/1	0.97	0.07	44,44,44,44	0
57	MG	1A	3494	1/1	0.97	0.20	32,32,32,32	0
57	MG	1a	1730	1/1	0.97	0.05	60,60,60,60	0
57	MG	2A	3774	1/1	0.97	0.06	67,67,67,67	0
57	MG	1a	1732	1/1	0.97	0.04	45,45,45,45	0
57	MG	1a	1733	1/1	0.97	0.10	39,39,39,39	0
57	MG	1P	203	1/1	0.97	0.05	23,23,23,23	0
57	MG	1A	3784	1/1	0.97	0.04	50,50,50,50	0
57	MG	1A	3243	1/1	0.97	0.16	39,39,39,39	0
57	MG	1A	3388	1/1	0.97	0.19	37,37,37,37	0
57	MG	1Q	205	1/1	0.97	0.04	40,40,40,40	0
57	MG	1A	3190	1/1	0.97	0.22	23,23,23,23	0
57	MG	2A	3165	1/1	0.97	0.06	46,46,46,46	0
57	MG	1A	3970	1/1	0.97	0.11	43,43,43,43	0
57	MG	2A	3445	1/1	0.97	0.12	54,54,54,54	0
57	MG	2A	3446	1/1	0.97	0.12	25,25,25,25	0
57	MG	2A	3168	1/1	0.97	0.09	46,46,46,46	0
57	MG	1A	3623	1/1	0.97	0.06	44,44,44,44	0
57	MG	1A	3391	1/1	0.97	0.07	34,34,34,34	0
57	MG	2A	3450	1/1	0.97	0.21	42,42,42,42	0
57	MG	1A	3308	1/1	0.97	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
57	MG	2A	3452	1/1	0.97	0.09	43,43,43,43	0
57	MG	1A	3309	1/1	0.97	0.10	44,44,44,44	0
57	MG	1A	3398	1/1	0.97	0.06	44,44,44,44	0
57	MG	2A	3455	1/1	0.97	0.13	60,60,60,60	0
57	MG	1a	1749	1/1	0.97	0.08	60,60,60,60	0
57	MG	1A	3504	1/1	0.97	0.05	34,34,34,34	0
57	MG	1A	3978	1/1	0.97	0.06	44,44,44,44	0
57	MG	1A	3979	1/1	0.97	0.04	32,32,32,32	0
57	MG	2A	3808	1/1	0.97	0.04	57,57,57,57	0
57	MG	2A	3180	1/1	0.97	0.07	49,49,49,49	0
57	MG	1A	3981	1/1	0.97	0.05	44,44,44,44	0
57	MG	2A	3182	1/1	0.97	0.10	51,51,51,51	0
57	MG	2A	3813	1/1	0.97	0.08	52,52,52,52	0
57	MG	2A	3463	1/1	0.97	0.05	46,46,46,46	0
57	MG	2A	3816	1/1	0.97	0.11	76,76,76,76	0
57	MG	2A	3817	1/1	0.97	0.06	42,42,42,42	0
57	MG	1A	3796	1/1	0.97	0.08	37,37,37,37	0
57	MG	1a	1757	1/1	0.97	0.09	63,63,63,63	0
57	MG	1A	3984	1/1	0.97	0.06	17,17,17,17	0
57	MG	1A	3399	1/1	0.97	0.10	46,46,46,46	0
57	MG	2A	3468	1/1	0.97	0.05	60,60,60,60	0
57	MG	1A	3192	1/1	0.97	0.14	26,26,26,26	0
57	MG	1A	3111	1/1	0.97	0.07	33,33,33,33	0
57	MG	2A	3471	1/1	0.97	0.17	54,54,54,54	0
57	MG	2A	3189	1/1	0.97	0.07	59,59,59,59	0
57	MG	1A	3636	1/1	0.97	0.04	11,11,11,11	0
57	MG	2A	3474	1/1	0.97	0.22	39,39,39,39	0
57	MG	2A	3475	1/1	0.97	0.08	30,30,30,30	0
57	MG	1A	3508	1/1	0.97	0.10	23,23,23,23	0
57	MG	1A	3638	1/1	0.97	0.07	42,42,42,42	0
57	MG	2A	3193	1/1	0.97	0.16	46,46,46,46	0
57	MG	2A	3481	1/1	0.97	0.15	46,46,46,46	0
57	MG	1A	3030	1/1	0.97	0.07	18,18,18,18	0
57	MG	1A	3993	1/1	0.97	0.05	25,25,25,25	0
57	MG	2A	3484	1/1	0.97	0.11	44,44,44,44	0
57	MG	1A	3510	1/1	0.97	0.26	36,36,36,36	0
57	MG	1A	3641	1/1	0.97	0.04	22,22,22,22	0
57	MG	2A	3843	1/1	0.97	0.10	37,37,37,37	0
57	MG	2A	3844	1/1	0.97	0.05	44,44,44,44	0
57	MG	2A	3199	1/1	0.97	0.05	39,39,39,39	0
57	MG	2A	3200	1/1	0.97	0.10	39,39,39,39	0
57	MG	2w	108	1/1	0.97	0.06	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1V	203	1/1	0.97	0.09	16,16,16,16	0
57	MG	1A	3080	1/1	0.97	0.06	31,31,31,31	0
57	MG	1V	205	1/1	0.97	0.05	31,31,31,31	0
57	MG	2A	3204	1/1	0.97	0.06	41,41,41,41	0
57	MG	1A	3250	1/1	0.97	0.05	27,27,27,27	0
57	MG	1A	3316	1/1	0.97	0.09	24,24,24,24	0
57	MG	1A	4002	1/1	0.97	0.06	58,58,58,58	0
57	MG	2A	3497	1/1	0.97	0.11	46,46,46,46	0
57	MG	1A	3812	1/1	0.97	0.09	21,21,21,21	0
57	MG	1A	3408	1/1	0.97	0.11	31,31,31,31	0
57	MG	1A	3041	1/1	0.97	0.10	34,34,34,34	0
57	MG	1A	3319	1/1	0.97	0.05	34,34,34,34	0
57	MG	1A	3817	1/1	0.97	0.07	21,21,21,21	0
57	MG	1X	101	1/1	0.97	0.21	33,33,33,33	0
57	MG	2A	3216	1/1	0.97	0.11	45,45,45,45	0
57	MG	1X	104	1/1	0.97	0.07	36,36,36,36	0
57	MG	2A	3508	1/1	0.97	0.11	42,42,42,42	0
57	MG	1X	105	1/1	0.97	0.06	48,48,48,48	0
60	ZN	2Y	501	1/1	0.97	0.04	100,100,100,100	0
57	MG	1X	106	1/1	0.97	0.06	29,29,29,29	0
57	MG	2A	3512	1/1	0.97	0.07	63,63,63,63	0
57	MG	1A	3765	1/1	0.98	0.05	22,22,22,22	0
57	MG	2A	3393	1/1	0.98	0.04	36,36,36,36	0
57	MG	1a	1792	1/1	0.98	0.04	47,47,47,47	0
57	MG	1A	3175	1/1	0.98	0.07	16,16,16,16	0
57	MG	1A	3176	1/1	0.98	0.07	29,29,29,29	0
57	MG	1a	1795	1/1	0.98	0.07	53,53,53,53	0
57	MG	1A	3138	1/1	0.98	0.05	37,37,37,37	0
57	MG	2A	3657	1/1	0.98	0.05	42,42,42,42	0
57	MG	2A	3166	1/1	0.98	0.07	51,51,51,51	0
57	MG	17	103	1/1	0.98	0.08	27,27,27,27	0
57	MG	1A	3224	1/1	0.98	0.05	40,40,40,40	0
57	MG	1A	3770	1/1	0.98	0.05	19,19,19,19	0
57	MG	1A	3643	1/1	0.98	0.04	28,28,28,28	0
57	MG	2A	3171	1/1	0.98	0.07	39,39,39,39	0
57	MG	1A	3031	1/1	0.98	0.17	21,21,21,21	0
57	MG	1A	3179	1/1	0.98	0.09	38,38,38,38	0
57	MG	2A	3666	1/1	0.98	0.11	40,40,40,40	0
57	MG	1a	1803	1/1	0.98	0.08	47,47,47,47	0
57	MG	1A	3921	1/1	0.98	0.04	32,32,32,32	0
57	MG	2A	3669	1/1	0.98	0.05	43,43,43,43	0
57	MG	18	102	1/1	0.98	0.04	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3774	1/1	0.98	0.10	25,25,25,25	0
57	MG	2A	3178	1/1	0.98	0.09	39,39,39,39	0
57	MG	1a	1807	1/1	0.98	0.14	38,38,38,38	0
57	MG	1A	3775	1/1	0.98	0.05	34,34,34,34	0
57	MG	1A	3925	1/1	0.98	0.09	24,24,24,24	0
57	MG	2A	3676	1/1	0.98	0.10	42,42,42,42	0
57	MG	19	101	1/1	0.98	0.08	32,32,32,32	0
57	MG	2A	3678	1/1	0.98	0.11	44,44,44,44	0
57	MG	1A	3019	1/1	0.98	0.04	29,29,29,29	0
57	MG	1A	3549	1/1	0.98	0.04	39,39,39,39	0
57	MG	1A	3929	1/1	0.98	0.06	41,41,41,41	0
57	MG	1A	3276	1/1	0.98	0.14	20,20,20,20	0
57	MG	1A	3779	1/1	0.98	0.07	21,21,21,21	0
57	MG	1A	3393	1/1	0.98	0.21	31,31,31,31	0
57	MG	1A	3394	1/1	0.98	0.04	30,30,30,30	0
57	MG	1A	3782	1/1	0.98	0.04	20,20,20,20	0
57	MG	1A	3395	1/1	0.98	0.04	36,36,36,36	0
57	MG	1A	3652	1/1	0.98	0.07	43,43,43,43	0
57	MG	2A	3427	1/1	0.98	0.04	42,42,42,42	0
57	MG	1A	3472	1/1	0.98	0.06	34,34,34,34	0
57	MG	1A	3556	1/1	0.98	0.11	25,25,25,25	0
57	MG	1A	3141	1/1	0.98	0.19	30,30,30,30	0
57	MG	2A	3196	1/1	0.98	0.07	45,45,45,45	0
57	MG	1A	3788	1/1	0.98	0.09	46,46,46,46	0
57	MG	2A	3695	1/1	0.98	0.09	51,51,51,51	0
57	MG	1A	3397	1/1	0.98	0.14	37,37,37,37	0
57	MG	1A	3657	1/1	0.98	0.04	17,17,17,17	0
57	MG	1A	3278	1/1	0.98	0.10	32,32,32,32	0
57	MG	1B	228	1/1	0.98	0.09	65,65,65,65	0
57	MG	1A	3792	1/1	0.98	0.06	23,23,23,23	0
57	MG	1A	3067	1/1	0.98	0.04	18,18,18,18	0
57	MG	1A	3183	1/1	0.98	0.05	44,44,44,44	0
57	MG	1A	3949	1/1	0.98	0.06	45,45,45,45	0
57	MG	1A	3950	1/1	0.98	0.06	10,10,10,10	0
57	MG	1D	301	1/1	0.98	0.18	31,31,31,31	0
57	MG	1A	3563	1/1	0.98	0.10	23,23,23,23	0
57	MG	1A	3663	1/1	0.98	0.04	17,17,17,17	0
57	MG	2A	3210	1/1	0.98	0.07	42,42,42,42	0
57	MG	2A	3211	1/1	0.98	0.03	33,33,33,33	0
57	MG	1A	3953	1/1	0.98	0.04	47,47,47,47	0
57	MG	1A	3334	1/1	0.98	0.09	33,33,33,33	0
57	MG	1A	3665	1/1	0.98	0.05	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3956	1/1	0.98	0.07	54,54,54,54	0
57	MG	1A	3068	1/1	0.98	0.11	20,20,20,20	0
57	MG	1A	3566	1/1	0.98	0.12	32,32,32,32	0
57	MG	1A	3113	1/1	0.98	0.11	29,29,29,29	0
57	MG	1A	3481	1/1	0.98	0.05	43,43,43,43	0
57	MG	1A	3961	1/1	0.98	0.05	48,48,48,48	0
57	MG	1A	3569	1/1	0.98	0.11	33,33,33,33	0
57	MG	1A	3671	1/1	0.98	0.04	26,26,26,26	0
57	MG	2A	3722	1/1	0.98	0.06	38,38,38,38	0
57	MG	1A	3807	1/1	0.98	0.06	30,30,30,30	0
57	MG	1x	115	1/1	0.98	0.11	54,54,54,54	0
57	MG	1A	3405	1/1	0.98	0.07	43,43,43,43	0
57	MG	2A	3726	1/1	0.98	0.06	50,50,50,50	0
57	MG	1E	305	1/1	0.98	0.09	29,29,29,29	0
57	MG	2A	3227	1/1	0.98	0.20	45,45,45,45	0
57	MG	1A	3236	1/1	0.98	0.18	31,31,31,31	0
57	MG	1A	3088	1/1	0.98	0.12	17,17,17,17	0
57	MG	1A	3146	1/1	0.98	0.05	28,28,28,28	0
57	MG	1E	310	1/1	0.98	0.09	17,17,17,17	0
57	MG	1A	3678	1/1	0.98	0.07	23,23,23,23	0
57	MG	1E	312	1/1	0.98	0.08	31,31,31,31	0
57	MG	1A	3486	1/1	0.98	0.06	38,38,38,38	0
57	MG	2A	3009	1/1	0.98	0.05	56,56,56,56	0
57	MG	1A	3287	1/1	0.98	0.05	50,50,50,50	0
57	MG	1F	302	1/1	0.98	0.13	35,35,35,35	0
57	MG	2A	3012	1/1	0.98	0.04	37,37,37,37	0
57	MG	1A	3815	1/1	0.98	0.05	34,34,34,34	0
57	MG	1A	3069	1/1	0.98	0.10	22,22,22,22	0
57	MG	2A	3477	1/1	0.98	0.09	32,32,32,32	0
57	MG	2A	3478	1/1	0.98	0.09	47,47,47,47	0
57	MG	1A	3682	1/1	0.98	0.05	17,17,17,17	0
57	MG	1A	3684	1/1	0.98	0.05	35,35,35,35	0
57	MG	1F	307	1/1	0.98	0.07	42,42,42,42	0
57	MG	1A	3020	1/1	0.98	0.03	21,21,21,21	0
57	MG	1A	3821	1/1	0.98	0.08	37,37,37,37	0
57	MG	1A	3578	1/1	0.98	0.09	40,40,40,40	0
57	MG	2A	3750	1/1	0.98	0.04	30,30,30,30	0
57	MG	2A	3021	1/1	0.98	0.05	33,33,33,33	0
57	MG	1A	3980	1/1	0.98	0.05	51,51,51,51	0
57	MG	1A	3579	1/1	0.98	0.06	36,36,36,36	0
57	MG	2A	3488	1/1	0.98	0.08	45,45,45,45	0
57	MG	1A	3982	1/1	0.98	0.04	26,26,26,26	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3825	1/1	0.98	0.10	34,34,34,34	0
57	MG	1A	3118	1/1	0.98	0.12	20,20,20,20	0
57	MG	1A	3344	1/1	0.98	0.14	36,36,36,36	0
57	MG	2A	3028	1/1	0.98	0.09	42,42,42,42	0
57	MG	2A	3256	1/1	0.98	0.16	38,38,38,38	0
57	MG	1A	3828	1/1	0.98	0.08	27,27,27,27	0
57	MG	1A	3152	1/1	0.98	0.15	34,34,34,34	0
57	MG	2A	3763	1/1	0.98	0.05	52,52,52,52	0
57	MG	2A	3764	1/1	0.98	0.04	41,41,41,41	0
57	MG	2A	3031	1/1	0.98	0.03	30,30,30,30	0
57	MG	2A	3032	1/1	0.98	0.08	52,52,52,52	0
57	MG	1A	3988	1/1	0.98	0.06	55,55,55,55	0
57	MG	1A	3691	1/1	0.98	0.06	29,29,29,29	0
57	MG	1A	3091	1/1	0.98	0.11	26,26,26,26	0
57	MG	1A	3832	1/1	0.98	0.04	36,36,36,36	0
57	MG	2A	3037	1/1	0.98	0.05	38,38,38,38	0
57	MG	1A	3195	1/1	0.98	0.04	31,31,31,31	0
57	MG	1A	3092	1/1	0.98	0.04	25,25,25,25	0
57	MG	2A	3507	1/1	0.98	0.10	33,33,33,33	0
57	MG	1A	3419	1/1	0.98	0.15	37,37,37,37	0
57	MG	1A	3836	1/1	0.98	0.05	38,38,38,38	0
57	MG	1A	3121	1/1	0.98	0.12	31,31,31,31	0
57	MG	1A	3998	1/1	0.98	0.04	24,24,24,24	0
57	MG	1A	3199	1/1	0.98	0.04	28,28,28,28	0
57	MG	2A	3780	1/1	0.98	0.03	46,46,46,46	0
57	MG	1A	3499	1/1	0.98	0.03	34,34,34,34	0
57	MG	2A	3274	1/1	0.98	0.07	38,38,38,38	0
57	MG	1A	3351	1/1	0.98	0.03	27,27,27,27	0
57	MG	1P	204	1/1	0.98	0.21	23,23,23,23	0
57	MG	2A	3785	1/1	0.98	0.05	45,45,45,45	0
57	MG	1P	205	1/1	0.98	0.06	37,37,37,37	0
57	MG	1Q	201	1/1	0.98	0.11	28,28,28,28	0
57	MG	1A	3352	1/1	0.98	0.05	48,48,48,48	0
57	MG	1a	1687	1/1	0.98	0.15	42,42,42,42	0
57	MG	2A	3790	1/1	0.98	0.05	42,42,42,42	0
57	MG	1A	3044	1/1	0.98	0.04	25,25,25,25	0
57	MG	1A	3425	1/1	0.98	0.05	52,52,52,52	0
57	MG	2A	3054	1/1	0.98	0.10	47,47,47,47	0
57	MG	1A	4007	1/1	0.98	0.06	43,43,43,43	0
57	MG	1A	3845	1/1	0.98	0.04	30,30,30,30	0
57	MG	1A	3594	1/1	0.98	0.11	34,34,34,34	0
57	MG	2A	3797	1/1	0.98	0.04	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	4010	1/1	0.98	0.03	43,43,43,43	0
57	MG	2A	3529	1/1	0.98	0.10	45,45,45,45	0
57	MG	1A	3045	1/1	0.98	0.10	27,27,27,27	0
57	MG	2A	3531	1/1	0.98	0.06	34,34,34,34	0
57	MG	1A	3299	1/1	0.98	0.11	22,22,22,22	0
57	MG	2A	3803	1/1	0.98	0.06	38,38,38,38	0
57	MG	2A	3804	1/1	0.98	0.06	32,32,32,32	0
57	MG	1A	3428	1/1	0.98	0.08	34,34,34,34	0
57	MG	2A	3807	1/1	0.98	0.04	53,53,53,53	0
57	MG	1A	3429	1/1	0.98	0.07	30,30,30,30	0
57	MG	2A	3535	1/1	0.98	0.06	46,46,46,46	0
57	MG	1A	4016	1/1	0.98	0.07	45,45,45,45	0
57	MG	2A	3293	1/1	0.98	0.07	48,48,48,48	0
57	MG	2A	3812	1/1	0.98	0.05	42,42,42,42	0
57	MG	1A	3203	1/1	0.98	0.06	26,26,26,26	0
57	MG	1A	3600	1/1	0.98	0.05	38,38,38,38	0
57	MG	1A	3711	1/1	0.98	0.06	39,39,39,39	0
57	MG	1A	3854	1/1	0.98	0.06	36,36,36,36	0
57	MG	1A	3712	1/1	0.98	0.04	21,21,21,21	0
57	MG	1A	3856	1/1	0.98	0.18	26,26,26,26	0
57	MG	1A	3301	1/1	0.98	0.14	32,32,32,32	0
57	MG	2A	3545	1/1	0.98	0.07	30,30,30,30	0
57	MG	1A	3714	1/1	0.98	0.05	30,30,30,30	0
57	MG	1A	3715	1/1	0.98	0.05	38,38,38,38	0
57	MG	1A	3602	1/1	0.98	0.03	29,29,29,29	0
57	MG	2a	1772	1/1	0.98	0.04	61,61,61,61	0
57	MG	2A	3075	1/1	0.98	0.05	37,37,37,37	0
57	MG	2A	3828	1/1	0.98	0.08	49,49,49,49	0
57	MG	1A	3035	1/1	0.98	0.09	34,34,34,34	0
57	MG	1A	4028	1/1	0.98	0.04	28,28,28,28	0
57	MG	1A	3719	1/1	0.98	0.09	36,36,36,36	0
57	MG	1A	3513	1/1	0.98	0.13	40,40,40,40	0
57	MG	2A	3080	1/1	0.98	0.04	34,34,34,34	0
57	MG	1A	3098	1/1	0.98	0.03	28,28,28,28	0
57	MG	1V	202	1/1	0.98	0.23	30,30,30,30	0
57	MG	2A	3557	1/1	0.98	0.05	47,47,47,47	0
57	MG	1A	3036	1/1	0.98	0.21	26,26,26,26	0
57	MG	2A	3313	1/1	0.98	0.07	55,55,55,55	0
57	MG	1A	3723	1/1	0.98	0.08	51,51,51,51	0
57	MG	1A	4036	1/1	0.98	0.04	38,38,38,38	0
57	MG	1A	4037	1/1	0.98	0.08	49,49,49,49	0
57	MG	1A	3008	1/1	0.98	0.04	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	4039	1/1	0.98	0.05	29,29,29,29	0
57	MG	1W	203	1/1	0.98	0.12	38,38,38,38	0
57	MG	2A	3847	1/1	0.98	0.04	37,37,37,37	0
57	MG	1A	3306	1/1	0.98	0.03	29,29,29,29	0
57	MG	1W	205	1/1	0.98	0.04	47,47,47,47	0
57	MG	2A	3568	1/1	0.98	0.13	41,41,41,41	0
57	MG	1A	3078	1/1	0.98	0.06	31,31,31,31	0
57	MG	2a	1796	1/1	0.98	0.07	48,48,48,48	0
57	MG	1a	1725	1/1	0.98	0.12	49,49,49,49	0
57	MG	1A	4042	1/1	0.98	0.04	26,26,26,26	0
57	MG	1A	3728	1/1	0.98	0.07	57,57,57,57	0
57	MG	1A	4044	1/1	0.98	0.05	36,36,36,36	0
57	MG	1A	3209	1/1	0.98	0.04	33,33,33,33	0
57	MG	1a	1731	1/1	0.98	0.05	39,39,39,39	0
57	MG	1X	103	1/1	0.98	0.10	45,45,45,45	0
57	MG	1A	3439	1/1	0.98	0.06	27,27,27,27	0
57	MG	1A	3875	1/1	0.98	0.16	37,37,37,37	0
57	MG	1A	3521	1/1	0.98	0.04	34,34,34,34	0
57	MG	1A	3614	1/1	0.98	0.04	17,17,17,17	0
57	MG	2A	3583	1/1	0.98	0.12	42,42,42,42	0
57	MG	1A	3130	1/1	0.98	0.05	43,43,43,43	0
57	MG	2A	3106	1/1	0.98	0.07	43,43,43,43	0
57	MG	1A	4053	1/1	0.98	0.06	39,39,39,39	0
57	MG	1a	1740	1/1	0.98	0.05	48,48,48,48	0
57	MG	2A	3590	1/1	0.98	0.07	46,46,46,46	0
57	MG	2A	3338	1/1	0.98	0.05	57,57,57,57	0
57	MG	1a	1741	1/1	0.98	0.05	41,41,41,41	0
57	MG	1A	3005	1/1	0.98	0.04	46,46,46,46	0
57	MG	1A	3050	1/1	0.98	0.10	24,24,24,24	0
57	MG	1A	3618	1/1	0.98	0.04	33,33,33,33	0
57	MG	2A	3113	1/1	0.98	0.07	43,43,43,43	0
57	MG	2A	3597	1/1	0.98	0.05	63,63,63,63	0
57	MG	2A	3114	1/1	0.98	0.04	41,41,41,41	0
57	MG	1A	3168	1/1	0.98	0.07	43,43,43,43	0
57	MG	2D	303	1/1	0.98	0.04	28,28,28,28	0
57	MG	1A	3444	1/1	0.98	0.04	26,26,26,26	0
57	MG	1A	3739	1/1	0.98	0.04	33,33,33,33	0
57	MG	1A	3740	1/1	0.98	0.05	10,10,10,10	0
57	MG	2E	302	1/1	0.98	0.03	37,37,37,37	0
57	MG	1A	3373	1/1	0.98	0.10	37,37,37,37	0
57	MG	2E	304	1/1	0.98	0.13	44,44,44,44	0
57	MG	1A	3446	1/1	0.98	0.09	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	10	104	1/1	0.98	0.06	37,37,37,37	0
57	MG	2A	3123	1/1	0.98	0.08	54,54,54,54	0
57	MG	2f	201	1/1	0.98	0.06	48,48,48,48	0
57	MG	2E	308	1/1	0.98	0.06	38,38,38,38	0
57	MG	1A	4064	1/1	0.98	0.12	38,38,38,38	0
57	MG	1a	1753	1/1	0.98	0.03	42,42,42,42	0
57	MG	2A	3355	1/1	0.98	0.04	39,39,39,39	0
57	MG	1A	4065	1/1	0.98	0.06	30,30,30,30	0
57	MG	1A	3890	1/1	0.98	0.04	21,21,21,21	0
57	MG	1A	3010	1/1	0.98	0.08	44,44,44,44	0
57	MG	10	109	1/1	0.98	0.04	36,36,36,36	0
57	MG	2A	3615	1/1	0.98	0.12	49,49,49,49	0
57	MG	1A	3625	1/1	0.98	0.07	33,33,33,33	0
57	MG	1A	3626	1/1	0.98	0.03	20,20,20,20	0
57	MG	1A	3375	1/1	0.98	0.04	35,35,35,35	0
57	MG	1A	3895	1/1	0.98	0.04	41,41,41,41	0
57	MG	11	105	1/1	0.98	0.09	41,41,41,41	0
57	MG	2A	3621	1/1	0.98	0.04	41,41,41,41	0
57	MG	11	106	1/1	0.98	0.04	50,50,50,50	0
57	MG	1A	3628	1/1	0.98	0.04	23,23,23,23	0
57	MG	1A	3376	1/1	0.98	0.08	19,19,19,19	0
57	MG	1A	3630	1/1	0.98	0.11	29,29,29,29	0
57	MG	13	102	1/1	0.98	0.18	39,39,39,39	0
57	MG	13	104	1/1	0.98	0.05	41,41,41,41	0
57	MG	1A	3450	1/1	0.98	0.07	37,37,37,37	0
57	MG	2T	204	1/1	0.98	0.03	35,35,35,35	0
57	MG	13	106	1/1	0.98	0.05	30,30,30,30	0
57	MG	2A	3144	1/1	0.98	0.06	47,47,47,47	0
57	MG	1a	1773	1/1	0.98	0.05	50,50,50,50	0
57	MG	1A	3063	1/1	0.98	0.06	29,29,29,29	0
57	MG	2A	3634	1/1	0.98	0.08	37,37,37,37	0
57	MG	1A	3315	1/1	0.98	0.10	25,25,25,25	0
57	MG	1A	3135	1/1	0.98	0.05	34,34,34,34	0
57	MG	1A	3758	1/1	0.98	0.04	28,28,28,28	0
57	MG	1a	1779	1/1	0.98	0.08	46,46,46,46	0
57	MG	15	102	1/1	0.98	0.06	28,28,28,28	0
57	MG	21	101	1/1	0.98	0.07	40,40,40,40	0
57	MG	2A	3640	1/1	0.98	0.16	44,44,44,44	0
57	MG	1a	1783	1/1	0.98	0.04	47,47,47,47	0
57	MG	1A	3172	1/1	0.98	0.17	32,32,32,32	0
57	MG	1a	1785	1/1	0.98	0.07	52,52,52,52	0
57	MG	1A	3907	1/1	0.98	0.03	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3387	1/1	0.98	0.08	49,49,49,49	0
57	MG	1A	3760	1/1	0.98	0.05	35,35,35,35	0
57	MG	1A	3266	1/1	0.98	0.15	36,36,36,36	0
57	MG	1A	3064	1/1	0.98	0.03	28,28,28,28	0
57	MG	1A	3137	1/1	0.98	0.06	16,16,16,16	0
61	SF4	2d	302	8/8	0.98	0.04	65,77,84,86	0
57	MG	2A	3576	1/1	0.99	0.09	48,48,48,48	0
57	MG	2A	3822	1/1	0.99	0.07	42,42,42,42	0
57	MG	2A	3237	1/1	0.99	0.05	49,49,49,49	0
57	MG	2A	3578	1/1	0.99	0.05	39,39,39,39	0
57	MG	1A	3282	1/1	0.99	0.03	25,25,25,25	0
57	MG	2A	3826	1/1	0.99	0.06	28,28,28,28	0
57	MG	1A	3726	1/1	0.99	0.02	26,26,26,26	0
57	MG	1A	3673	1/1	0.99	0.03	31,31,31,31	0
57	MG	1A	3226	1/1	0.99	0.06	26,26,26,26	0
57	MG	1A	3997	1/1	0.99	0.05	31,31,31,31	0
57	MG	2A	3584	1/1	0.99	0.04	26,26,26,26	0
57	MG	2A	3585	1/1	0.99	0.04	40,40,40,40	0
57	MG	13	103	1/1	0.99	0.04	30,30,30,30	0
57	MG	1A	3675	1/1	0.99	0.03	40,40,40,40	0
57	MG	2A	3835	1/1	0.99	0.05	46,46,46,46	0
57	MG	1A	3923	1/1	0.99	0.04	10,10,10,10	0
57	MG	2A	3136	1/1	0.99	0.09	29,29,29,29	0
57	MG	1N	203	1/1	0.99	0.03	26,26,26,26	0
57	MG	1A	4000	1/1	0.99	0.04	28,28,28,28	0
57	MG	2A	3713	1/1	0.99	0.03	42,42,42,42	0
57	MG	1A	3202	1/1	0.99	0.03	28,28,28,28	0
57	MG	1a	1777	1/1	0.99	0.04	58,58,58,58	0
57	MG	2A	3361	1/1	0.99	0.08	27,27,27,27	0
57	MG	1A	3414	1/1	0.99	0.04	42,42,42,42	0
57	MG	2A	3845	1/1	0.99	0.03	32,32,32,32	0
57	MG	1A	3926	1/1	0.99	0.03	21,21,21,21	0
57	MG	1a	1676	1/1	0.99	0.18	35,35,35,35	0
57	MG	2A	3598	1/1	0.99	0.04	43,43,43,43	0
57	MG	1a	1781	1/1	0.99	0.04	54,54,54,54	0
57	MG	1a	1782	1/1	0.99	0.03	39,39,39,39	0
57	MG	1A	3228	1/1	0.99	0.13	22,22,22,22	0
57	MG	1A	4005	1/1	0.99	0.03	33,33,33,33	0
57	MG	1A	3453	1/1	0.99	0.06	43,43,43,43	0
57	MG	1P	201	1/1	0.99	0.11	28,28,28,28	0
57	MG	1A	3040	1/1	0.99	0.10	36,36,36,36	0
57	MG	1A	3007	1/1	0.99	0.04	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3373	1/1	0.99	0.09	47,47,47,47	0
57	MG	1A	3931	1/1	0.99	0.03	39,39,39,39	0
57	MG	1A	3859	1/1	0.99	0.03	30,30,30,30	0
57	MG	1A	3075	1/1	0.99	0.03	24,24,24,24	0
57	MG	1A	3683	1/1	0.99	0.07	19,19,19,19	0
57	MG	1A	4013	1/1	0.99	0.04	17,17,17,17	0
57	MG	1A	3318	1/1	0.99	0.10	24,24,24,24	0
57	MG	1A	3034	1/1	0.99	0.05	16,16,16,16	0
57	MG	1A	3937	1/1	0.99	0.04	35,35,35,35	0
57	MG	1A	3233	1/1	0.99	0.08	50,50,50,50	0
57	MG	1A	3022	1/1	0.99	0.04	16,16,16,16	0
57	MG	1A	3801	1/1	0.99	0.03	24,24,24,24	0
57	MG	2A	3499	1/1	0.99	0.06	49,49,49,49	0
57	MG	1A	3114	1/1	0.99	0.04	24,24,24,24	0
57	MG	2A	3055	1/1	0.99	0.06	42,42,42,42	0
57	MG	1A	3803	1/1	0.99	0.05	26,26,26,26	0
57	MG	1A	3018	1/1	0.99	0.09	42,42,42,42	0
57	MG	2A	3624	1/1	0.99	0.07	34,34,34,34	0
57	MG	1A	3503	1/1	0.99	0.12	33,33,33,33	0
57	MG	1A	3745	1/1	0.99	0.05	25,25,25,25	0
57	MG	1A	3872	1/1	0.99	0.11	31,31,31,31	0
57	MG	1A	3024	1/1	0.99	0.03	24,24,24,24	0
57	MG	1A	3747	1/1	0.99	0.03	34,34,34,34	0
57	MG	1A	3692	1/1	0.99	0.02	25,25,25,25	0
57	MG	1A	4029	1/1	0.99	0.02	29,29,29,29	0
57	MG	2A	3511	1/1	0.99	0.04	42,42,42,42	0
57	MG	1A	3749	1/1	0.99	0.03	26,26,26,26	0
57	MG	1A	3548	1/1	0.99	0.03	29,29,29,29	0
57	MG	1A	4032	1/1	0.99	0.06	26,26,26,26	0
57	MG	1A	3878	1/1	0.99	0.03	44,44,44,44	0
57	MG	1A	3188	1/1	0.99	0.15	25,25,25,25	0
57	MG	1U	205	1/1	0.99	0.03	24,24,24,24	0
57	MG	1A	3390	1/1	0.99	0.04	37,37,37,37	0
57	MG	1A	3551	1/1	0.99	0.10	23,23,23,23	0
57	MG	1U	208	1/1	0.99	0.12	26,26,26,26	0
57	MG	1A	3149	1/1	0.99	0.09	36,36,36,36	0
57	MG	2A	3406	1/1	0.99	0.07	31,31,31,31	0
57	MG	1B	234	1/1	0.99	0.03	22,22,22,22	0
57	MG	1A	3012	1/1	0.99	0.06	29,29,29,29	0
57	MG	1n	102	1/1	0.99	0.08	39,39,39,39	0
57	MG	1A	3756	1/1	0.99	0.08	35,35,35,35	0
57	MG	1A	3818	1/1	0.99	0.06	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3886	1/1	0.99	0.03	37,37,37,37	0
57	MG	1A	3214	1/1	0.99	0.07	32,32,32,32	0
57	MG	2A	3082	1/1	0.99	0.03	42,42,42,42	0
57	MG	1A	3469	1/1	0.99	0.04	36,36,36,36	0
57	MG	1A	3470	1/1	0.99	0.03	32,32,32,32	0
57	MG	1A	3512	1/1	0.99	0.11	22,22,22,22	0
57	MG	1A	4046	1/1	0.99	0.03	35,35,35,35	0
57	MG	1A	3823	1/1	0.99	0.10	22,22,22,22	0
57	MG	1W	206	1/1	0.99	0.03	34,34,34,34	0
57	MG	1A	3191	1/1	0.99	0.10	27,27,27,27	0
57	MG	1A	4049	1/1	0.99	0.05	21,21,21,21	0
57	MG	1A	3151	1/1	0.99	0.09	30,30,30,30	0
57	MG	2T	205	1/1	0.99	0.06	44,44,44,44	0
57	MG	1a	1729	1/1	0.99	0.05	54,54,54,54	0
57	MG	1A	3071	1/1	0.99	0.04	23,23,23,23	0
57	MG	1A	3764	1/1	0.99	0.10	22,22,22,22	0
57	MG	1X	102	1/1	0.99	0.04	27,27,27,27	0
57	MG	1A	3362	1/1	0.99	0.06	34,34,34,34	0
57	MG	1a	1734	1/1	0.99	0.03	36,36,36,36	0
57	MG	1a	1634	1/1	0.99	0.08	23,23,23,23	0
57	MG	1A	4054	1/1	0.99	0.05	27,27,27,27	0
57	MG	1A	3363	1/1	0.99	0.04	29,29,29,29	0
57	MG	1A	3003	1/1	0.99	0.06	19,19,19,19	0
57	MG	1E	308	1/1	0.99	0.12	30,30,30,30	0
57	MG	1A	3365	1/1	0.99	0.09	28,28,28,28	0
57	MG	1A	3093	1/1	0.99	0.06	16,16,16,16	0
57	MG	1A	3901	1/1	0.99	0.05	34,34,34,34	0
57	MG	1A	3402	1/1	0.99	0.05	24,24,24,24	0
57	MG	1A	3977	1/1	0.99	0.04	29,29,29,29	0
57	MG	1E	314	1/1	0.99	0.03	27,27,27,27	0
57	MG	1A	3903	1/1	0.99	0.04	29,29,29,29	0
57	MG	1A	3660	1/1	0.99	0.07	34,34,34,34	0
57	MG	27	101	1/1	0.99	0.04	38,38,38,38	0
57	MG	1A	3613	1/1	0.99	0.02	30,30,30,30	0
57	MG	1A	3196	1/1	0.99	0.09	24,24,24,24	0
57	MG	1A	3248	1/1	0.99	0.16	32,32,32,32	0
57	MG	1A	3106	1/1	0.99	0.04	25,25,25,25	0
57	MG	2A	3806	1/1	0.99	0.03	53,53,53,53	0
57	MG	2a	1602	1/1	0.99	0.06	43,43,43,43	0
57	MG	1a	1651	1/1	0.99	0.04	40,40,40,40	0
57	MG	2A	3116	1/1	0.99	0.05	35,35,35,35	0
57	MG	1a	1652	1/1	0.99	0.08	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3717	1/1	0.99	0.07	23,23,23,23	0
57	MG	1A	3122	1/1	0.99	0.06	37,37,37,37	0
57	MG	1F	309	1/1	0.99	0.08	34,34,34,34	0
57	MG	1A	3841	1/1	0.99	0.05	44,44,44,44	0
57	MG	1A	3157	1/1	0.99	0.11	33,33,33,33	0
57	MG	2A	3815	1/1	0.99	0.04	24,24,24,24	0
60	ZN	1Y	204	1/1	0.99	0.02	70,70,70,70	0
57	MG	1A	3372	1/1	0.99	0.03	27,27,27,27	0
60	ZN	1n	103	1/1	0.99	0.03	59,59,59,59	0
57	MG	1A	3620	1/1	0.99	0.06	40,40,40,40	0
57	MG	1A	3528	1/1	0.99	0.10	32,32,32,32	0
60	ZN	25	105	1/1	0.99	0.02	58,58,58,58	0
60	ZN	26	102	1/1	0.99	0.04	50,50,50,50	0
60	ZN	29	501	1/1	0.99	0.04	64,64,64,64	0
57	MG	1A	3107	1/1	0.99	0.13	41,41,41,41	0
61	SF4	1d	501	8/8	0.99	0.04	58,59,67,70	0
57	MG	1A	3094	1/1	0.99	0.03	31,31,31,31	0
60	ZN	15	110	1/1	1.00	0.02	44,44,44,44	0
60	ZN	16	102	1/1	1.00	0.02	43,43,43,43	0
60	ZN	19	102	1/1	1.00	0.04	39,39,39,39	0
57	MG	1A	3158	1/1	1.00	0.03	32,32,32,32	0
57	MG	1a	1772	1/1	1.00	0.03	48,48,48,48	0
57	MG	1a	1754	1/1	1.00	0.09	49,49,49,49	0

6.5 Other polymers [i](#)

There are no such residues in this entry.