



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 27, 2026 – 12:31 PM UTC

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	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)

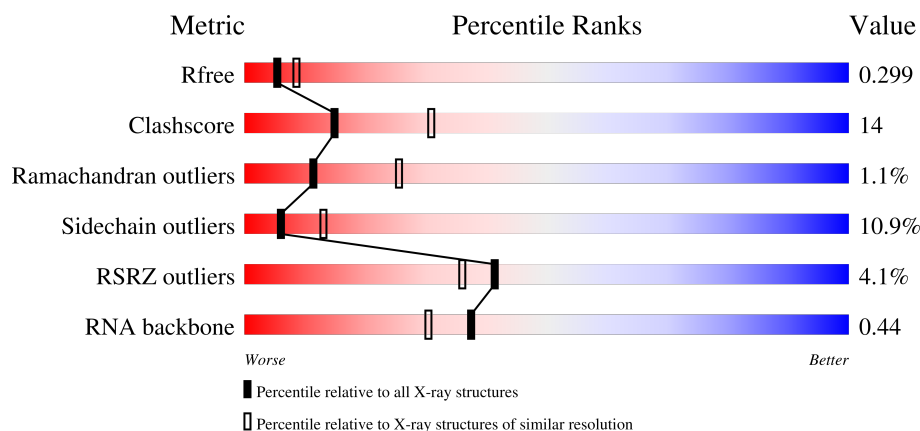
1 Overall quality at a glance

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)

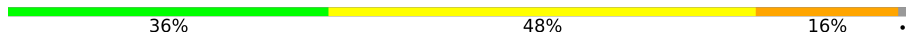
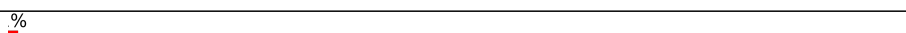
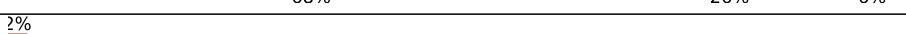
The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. 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) : 2.49

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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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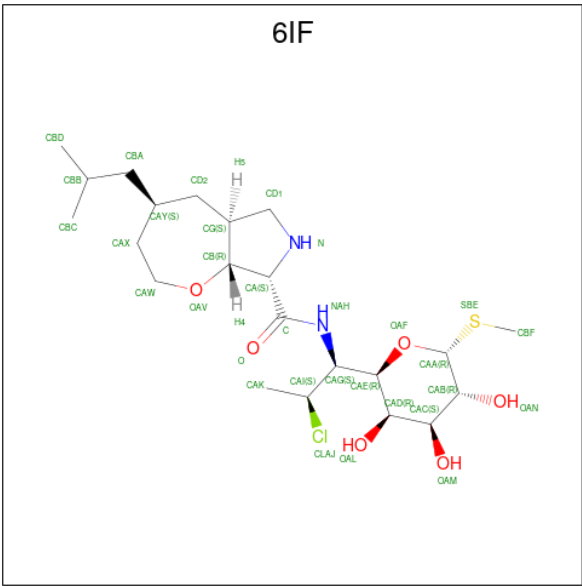
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	2a	230	Total 230	Mg 230	0	0
57	2d	1	Total 1	Mg 1	0	0
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57	2f	2	Total 2	Mg 2	0	0
57	2g	1	Total 1	Mg 1	0	0
57	2j	1	Total 1	Mg 1	0	0
57	2k	1	Total 1	Mg 1	0	0
57	2l	4	Total 4	Mg 4	0	0
57	2m	1	Total 1	Mg 1	0	0
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).

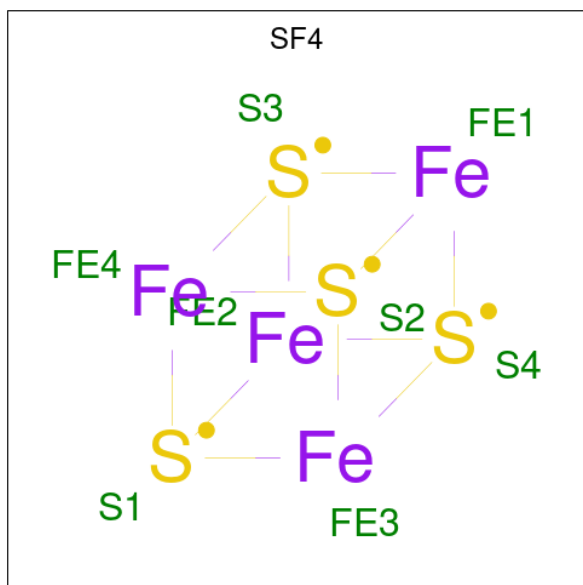
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1Y	1	Total	Zn	0	0
			1	1		
60	14	1	Total	Zn	0	0
			1	1		
60	15	1	Total	Zn	0	0
			1	1		
60	16	1	Total	Zn	0	0
			1	1		
60	19	1	Total	Zn	0	0
			1	1		
60	1n	1	Total	Zn	0	0
			1	1		
60	2Y	1	Total	Zn	0	0
			1	1		
60	24	1	Total	Zn	0	0
			1	1		
60	25	1	Total	Zn	0	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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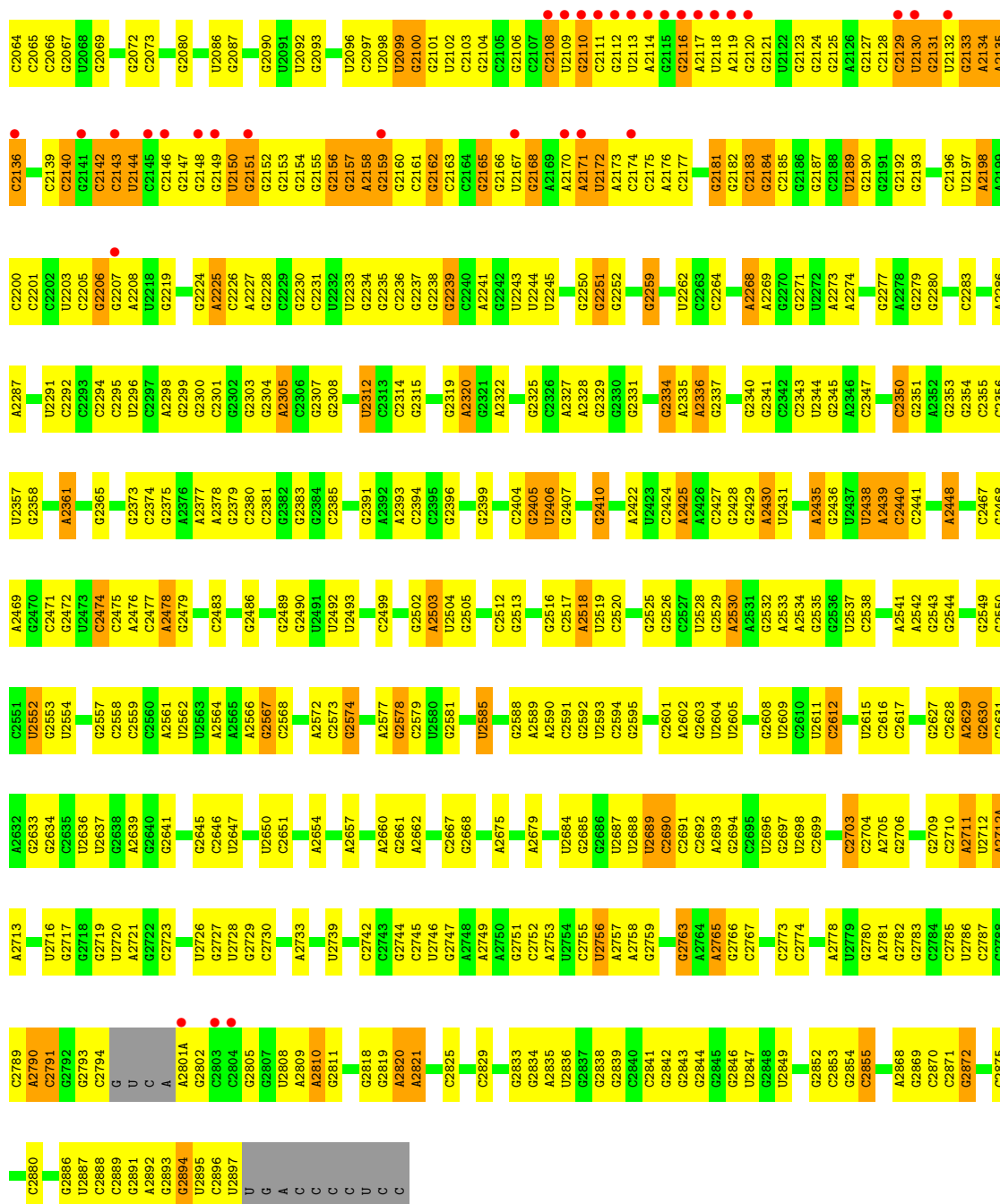
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	2D	15	Total 15	O 15	0	0
62	2E	12	Total 12	O 12	0	0
62	2F	13	Total 13	O 13	0	0
62	2I	2	Total 2	O 2	0	0
62	2O	2	Total 2	O 2	0	0
62	2P	10	Total 10	O 10	0	0
62	2Q	1	Total 1	O 1	0	0
62	2R	3	Total 3	O 3	0	0
62	2T	5	Total 5	O 5	0	0
62	2U	3	Total 3	O 3	0	0
62	2W	1	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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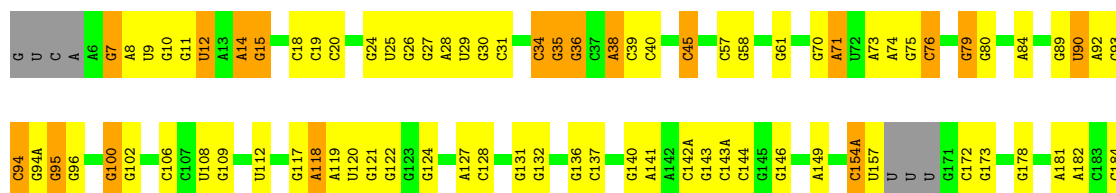
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	2d	1	Total	O	0	0
			1	1		
62	2j	3	Total	O	0	0
			3	3		
62	2l	5	Total	O	0	0
			5	5		
62	2p	3	Total	O	0	0
			3	3		
62	2q	1	Total	O	0	0
			1	1		
62	2r	1	Total	O	0	0
			1	1		
62	2t	2	Total	O	0	0
			2	2		
62	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		

G1979	G1980	U1911	G1799	G1639	U1514	G1424	G1337	G1252	G1164	A1085	U1019	G932	G848
G1992	U1993	A1912	C1800	C1615	U1518	G1426	G1338	A1253	U1165	A1086	A1020	A849	
G1998		A1913	A1803	G1622	G1519	A1427	U1341	U1254	U1166	G1087	G1022	G942	G852
G1999	U1999	C1914	C1804	G1623	A1528	C1428	A1342	U1255	U1167	G1089	U1023	U943	
G2000		U1915	U1805		A1528	G1429	G1345	C1257	G1168	G1091	G1024	G944	C857
A2001		A1916		U1629	A1528A	C1430		C1258	G1169	G1092	G1025	A945	U888
G2002		U1917	A1812	G1630	C1532	U1431	C1351	G1289	G1170	C1093	U1026	G946	G859
		A1918		G1631	G	U1433	U1352	U1263	G1171	A1094	A1027	G947	A860
A2001		C1920	G1816	A1632	U	A1631A	A1353	A1265	U1174	A1095	A1028	G952	A861
G2002			A1817	G1633	C		A1354	A1266	G1175	U1097		A953	A862
		U1927	A1821		G1537	G1440	G1355	U1267	U1176	A1096		G956	A863
A2005		A1928	G1822	C1636	G1538	G1441	G1356	A1268	A1177	G1098	C1038	G957	A864
C2006		G1929	G1823	A1637	G1539	G1442		A1269	C1178	G1099	G1039	G947	G865
C2007		G1930		C1638	U1538		A1359	A1269	C1179	C1100	C1040	U958	A866
		U1931	G1826	U1639	U1540		A1360	G1270	G1183	U1101	G1041	A960	A870
G2012		A1932	G1827	C1640	G1541		G1364	U1271	G1187	C1102	G1042	A960	U871
A2013		G1933	C1743	A1641	A1542		A1365	U1272	U1188	C1043	G1043	C961	
A2014			G1744	G1642	A1543			U1273	A1189	G1104	G1044	G962	
A2015		A1936	C1745	G1643	C1546		G1368	A1274	A1190	U1105	A1045	G963	
U2016		A1937	G1746	C1644			G1369		G1191	G1106	G1046	U968	
		A1938					G1370	G1278			A1047	G968	
		U1939	G1834	G1647	A1554		G1371	C1289			A1048	U969	
A2019		U1940	G1835	G1648			U1372	C1290			C1049	C970	
A2020		C1941		G1649	A1558		A1373	C1291			A1050	C971	
C2021		G1942	C1843	G1650	U1559		G1374	U1292			G1051	G972	
U2022		U1943	C1754	G1651	G1560		C1375	C1293			C1052	A973	
G2023		A1944	G1845	A1755				U1294			C1053	A974	
		G1945	G1846	C1846	A1566			U1295			A1054	C975	
U2028		U1946	A1847	C1656	A1567		A1379	G1296			G1055		
C2029		C1947		C1657	U1568		G1380	C1297			A1056	A981	
A2030		U1948	U1851	C1658	A1569		G1381	U1298			A1057	C982	
A2031		G1949	C1852	G1659	A1570		G1382	G1125			C1058	C988	
G2032		G1950	A1853	C1663	A1571		C1383	A1126			G1059	A984	
A2033		U1951		A1664	A1572		A1384	U1060			U		
U2034		A1952	A1859	A1665			G1385	A1128			G1060	G987	
G2035		A1953	G1860	C1666	U1578		C1386	A1129			G1062		
		G1954	G1861		A1579			U1130			G1063	G993	
C2040		U1955		A1669	A1580		U1394	A1308			C1064	C994	
U2041		U1956	U1864	C1670	G1581		A1395	G1309			U1065	C996	
A2042		C1957	U1778	U1671	G1582		U1396	U1133			U1066	A996	
C2043		C1958	G1878	U1672	A1583		U1397	G1311			A1067	G997	
C2044		G1959	C1879	U1673	G1584		C1398	G1135			G1068	C903	
C2045		A1960	C1880	G1674	A1586		C1399	U1312			A1069	C904	
G2046		C1961	C1881		A1587		G1400	C1314			U1070	U997	
		U1963	G1883	U1680	C1588		G1401	G1138			G1071	A1000	
G2049		G1964		C1683	G1594		U1405	U1316			C1072		
A2051		C1965	A1889	C1684	G1595		U1406	A1317			A1073	G1003	
		A1966	A1890	G1685			C1407				G1074	C1006	
C2055		G1967	G1891	C1686	U1602		G1324	G1325			C1075	C1007	
G2056		C2056	C1892	C1687	A1603		U1326	U1326			C1076		
A2057		U1970	A1791	U1688	A1607		A1416	G1327			A1077	A1010	
A2058		A1971	G1792	U1689	A1508		C1417	G1328			U1078	G1011	
A2059		C1973	C1793	U1693	C1509		G1418	G1328			C1079	U1012	
A2060		A1972	U1794		A1509A		G1419				C1080	C1013	
G1973		G1973	C1795	U1696			U1420	G1332			U1081		
G2061		C1974	U1796	G1696	A1609		G1421	C1333			U1082	G1016	
A2062		G1975	C1797	U1512	C1610		G1422	G1334			U1083	G1017	
C2063			U1798	C1513	C1612		G1423				A1084	C1018	

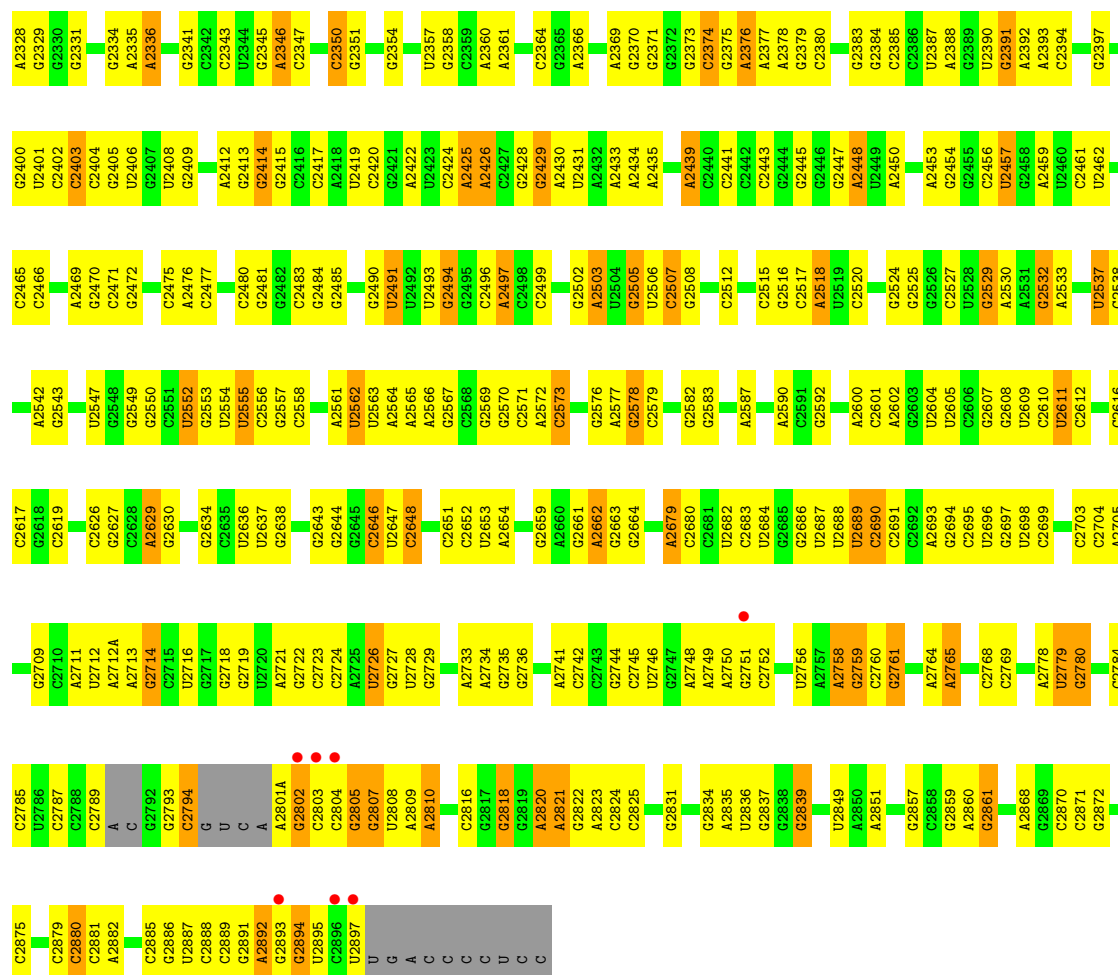


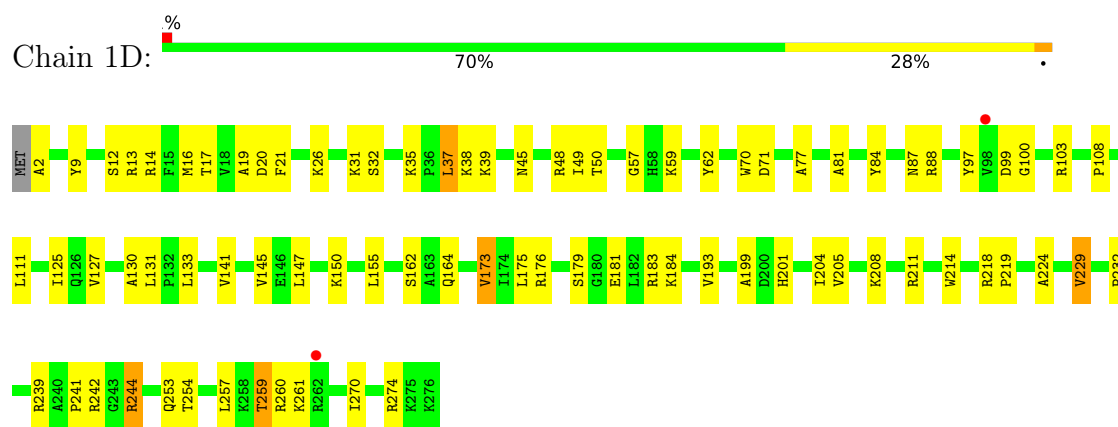
● Molecule 1: 23S Ribosomal RNA



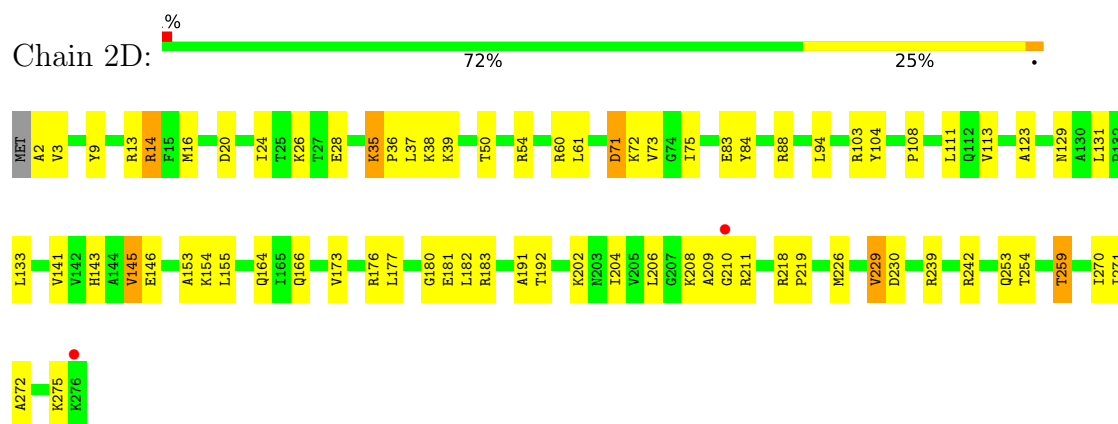


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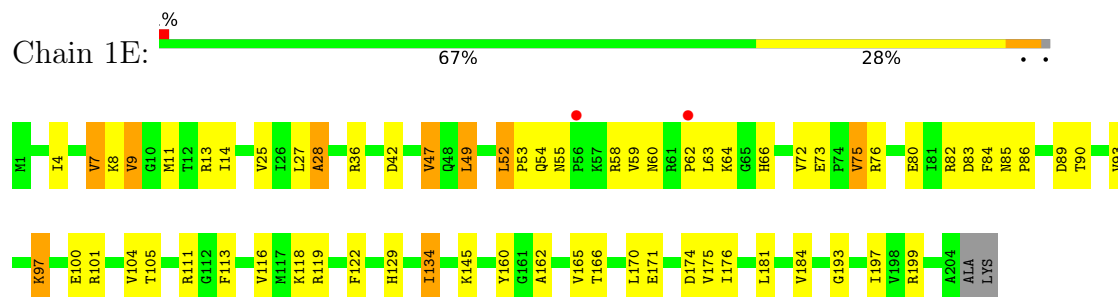




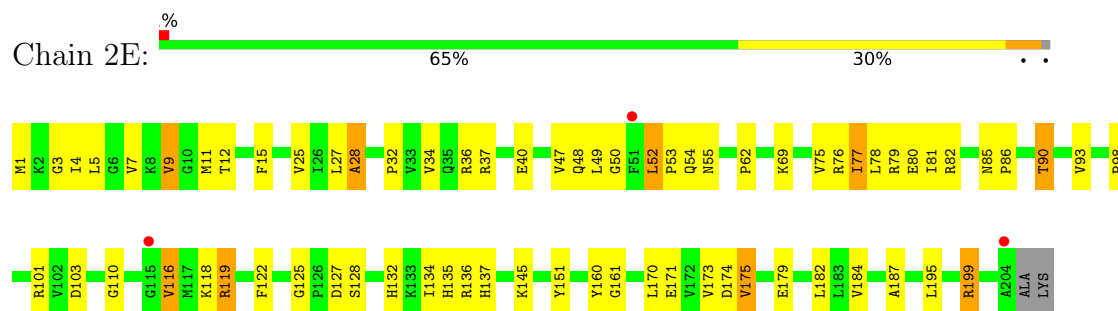
• Molecule 3: 50S ribosomal protein L2



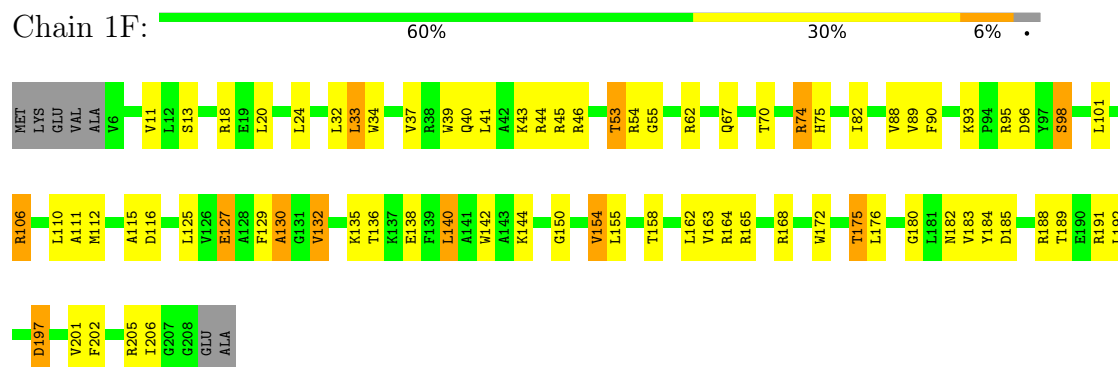
• Molecule 4: 50S ribosomal protein L3



• Molecule 4: 50S ribosomal protein L3



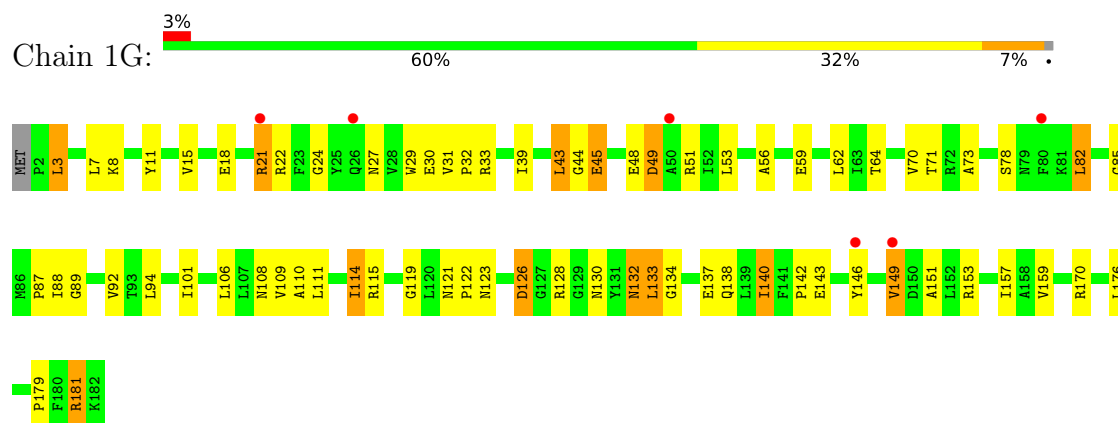
• Molecule 5: 50S ribosomal protein L4



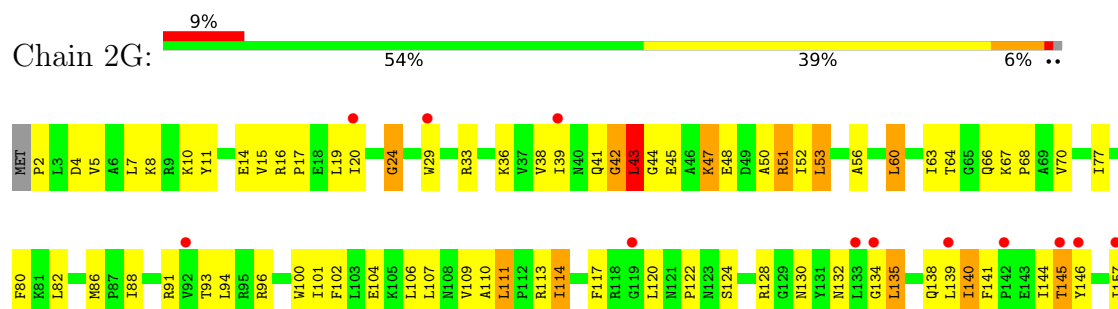
• Molecule 5: 50S ribosomal protein L4

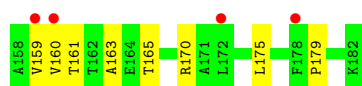


• Molecule 6: 50S ribosomal protein L5

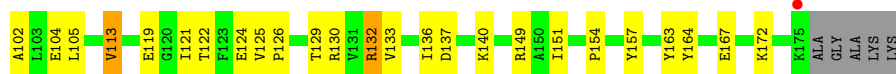
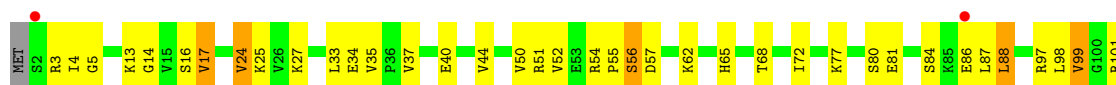


• Molecule 6: 50S ribosomal protein L5

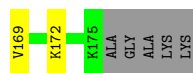
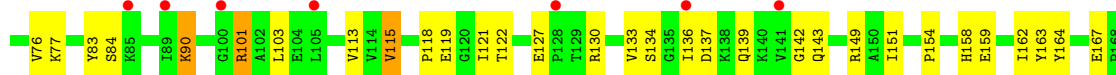




- Molecule 7: 50S ribosomal protein L6



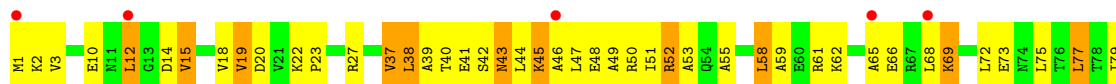
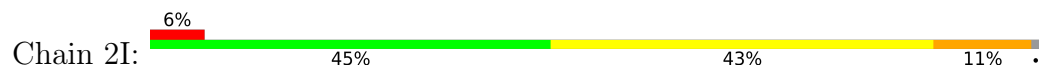
- Molecule 7: 50S ribosomal protein L6



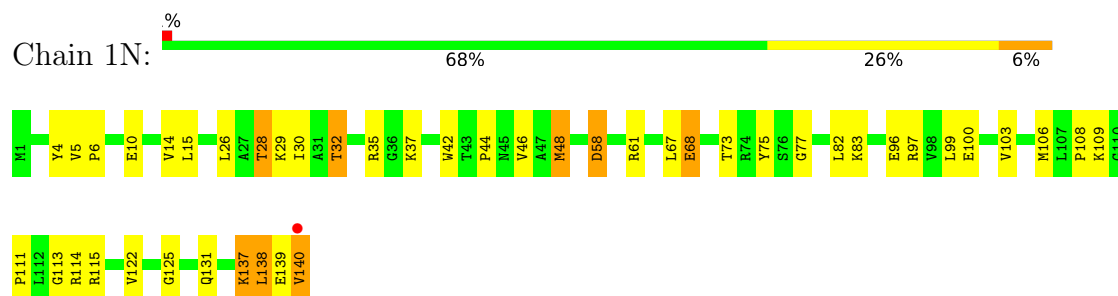
- Molecule 8: 50S ribosomal protein L9



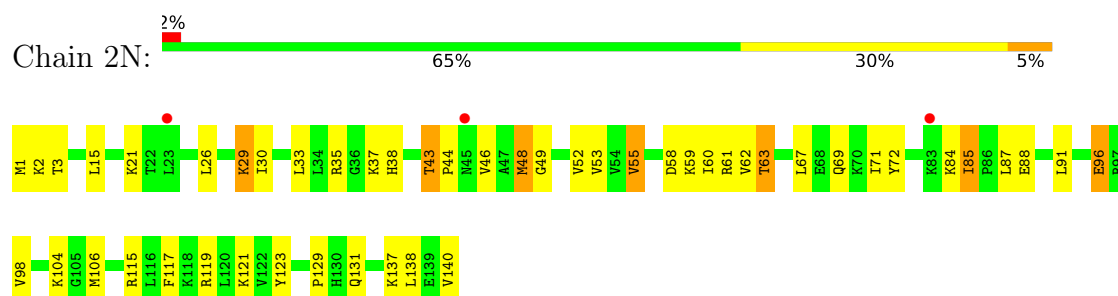
- Molecule 8: 50S ribosomal protein L9



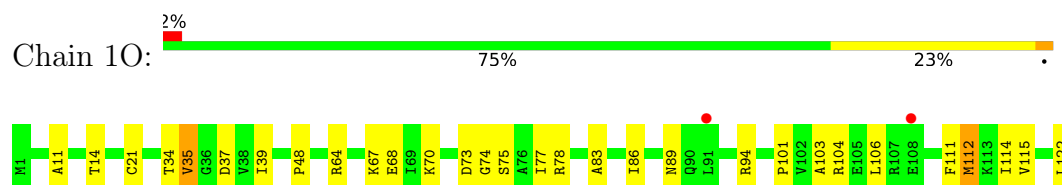
- Molecule 9: 50S ribosomal protein L13



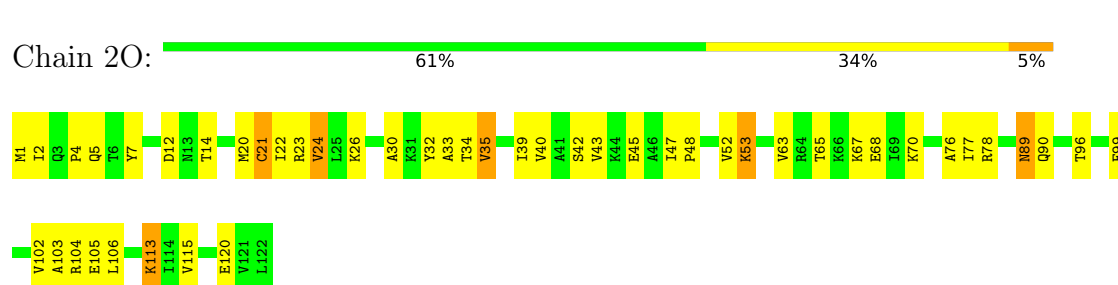
- Molecule 9: 50S ribosomal protein L13



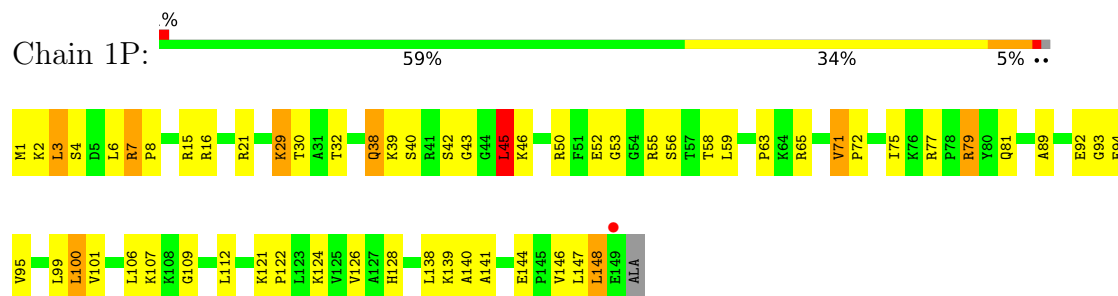
- Molecule 10: 50S ribosomal protein L14



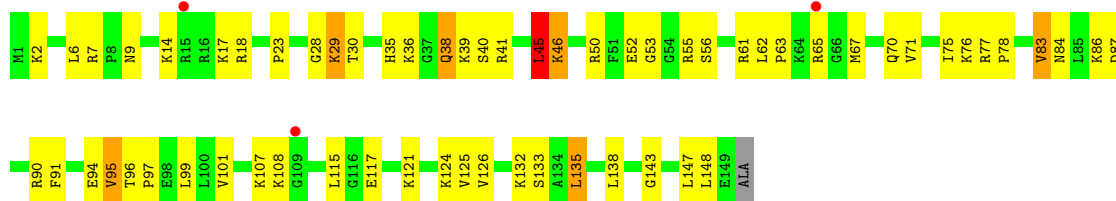
- Molecule 10: 50S ribosomal protein L14



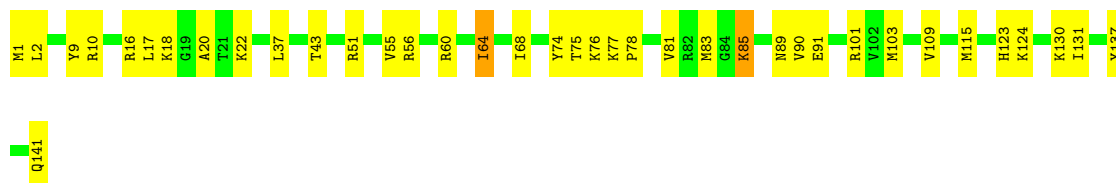
- Molecule 11: 50S ribosomal protein L15



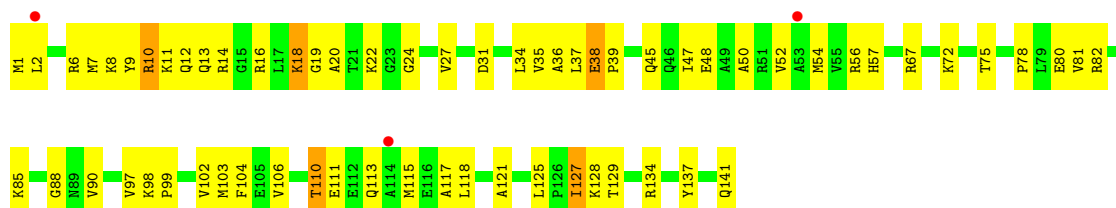
- Molecule 11: 50S ribosomal protein L15



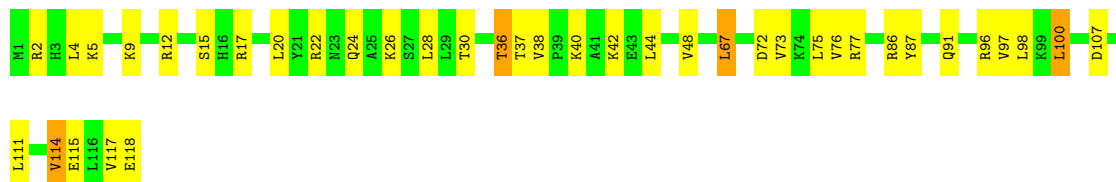
- Molecule 12: 50S ribosomal protein L16



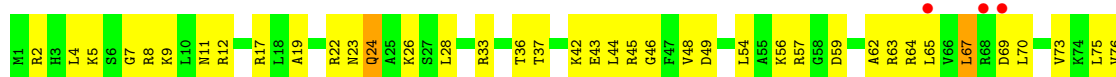
- Molecule 12: 50S ribosomal protein L16

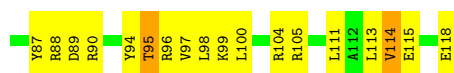


- Molecule 13: 50S ribosomal protein L17



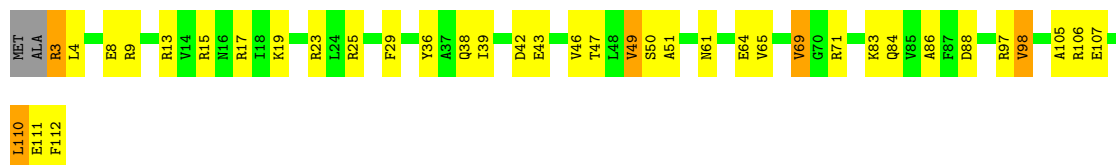
- Molecule 13: 50S ribosomal protein L17





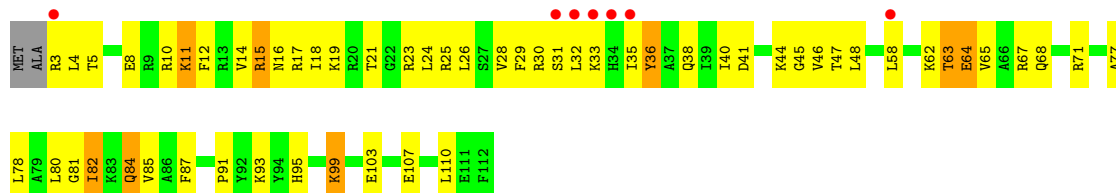
- Molecule 14: 50S ribosomal protein L18

Chain 1S: 64% 29%



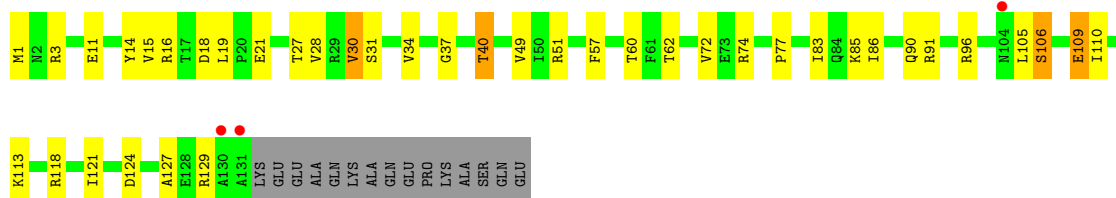
- Molecule 14: 50S ribosomal protein L18

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



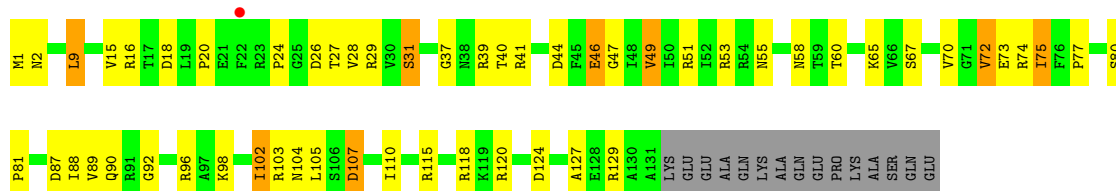
- Molecule 15: 50S ribosomal protein L19

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



- Molecule 15: 50S ribosomal protein L19

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

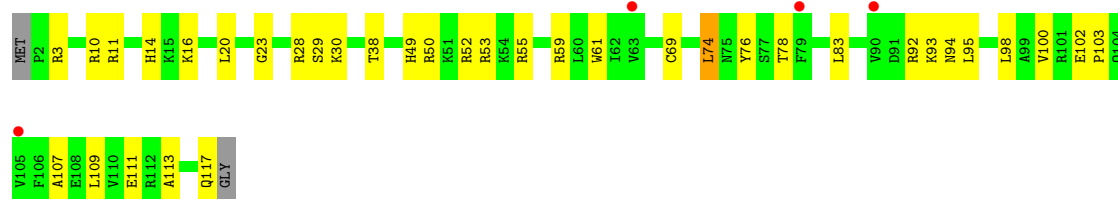


- Molecule 16: 50S ribosomal protein L20

Chain 1U: 79% 18%



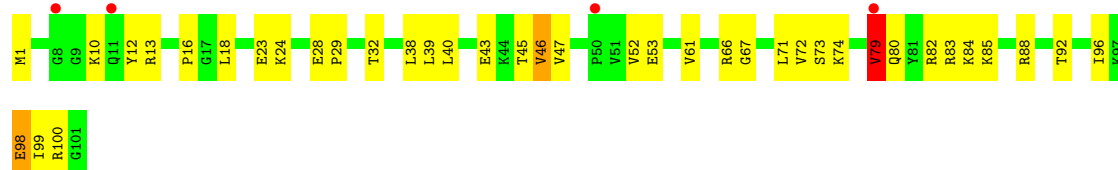
- Molecule 16: 50S ribosomal protein L20



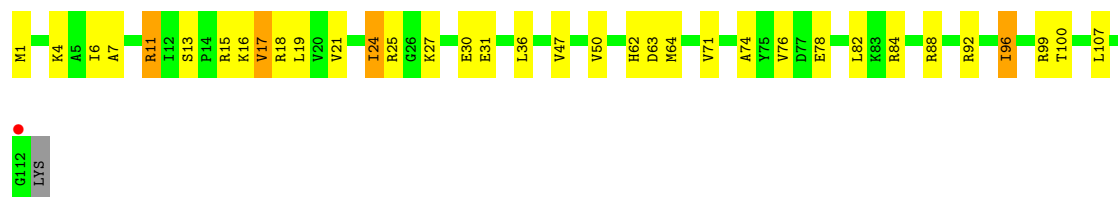
- Molecule 17: 50S ribosomal protein L21



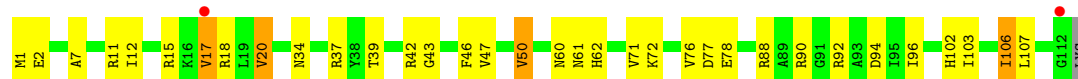
- Molecule 17: 50S ribosomal protein L21



- Molecule 18: 50S ribosomal protein L22



- Molecule 18: 50S ribosomal protein L22



- Molecule 19: 50S ribosomal protein L23

Chain 1X:  74% 24% ..



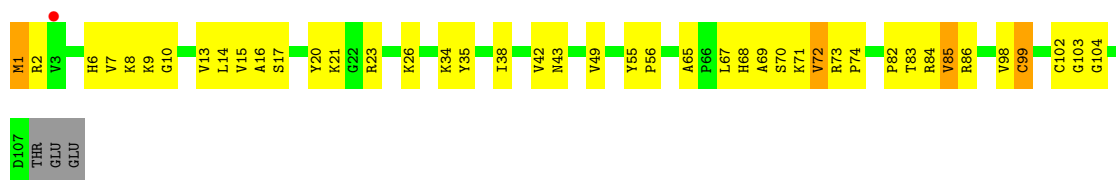
• Molecule 19: 50S ribosomal protein L23

Chain 2X:  70% 28% ..



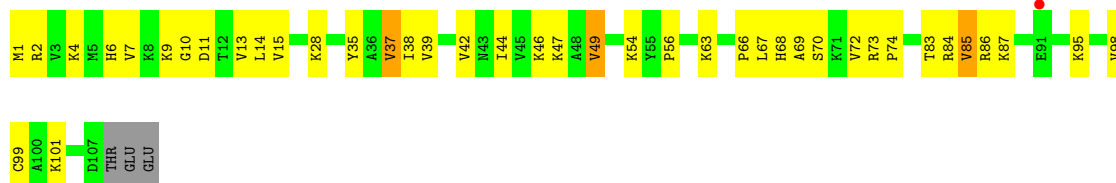
• Molecule 20: 50S ribosomal protein L24

Chain 1Y:  58% 35% . .



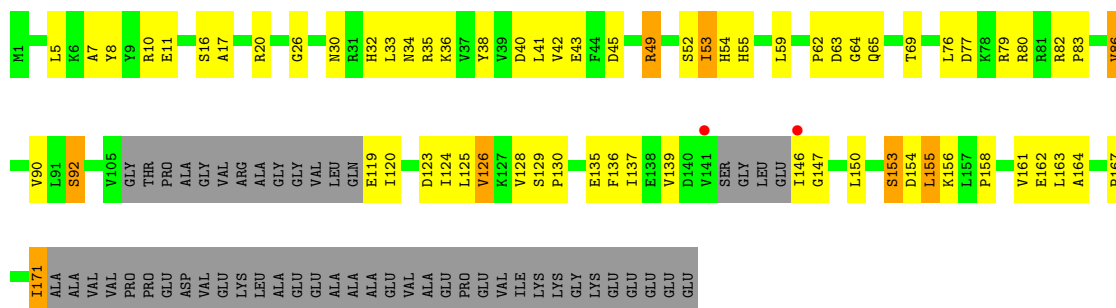
• Molecule 20: 50S ribosomal protein L24

Chain 2Y:  60% 35% . .



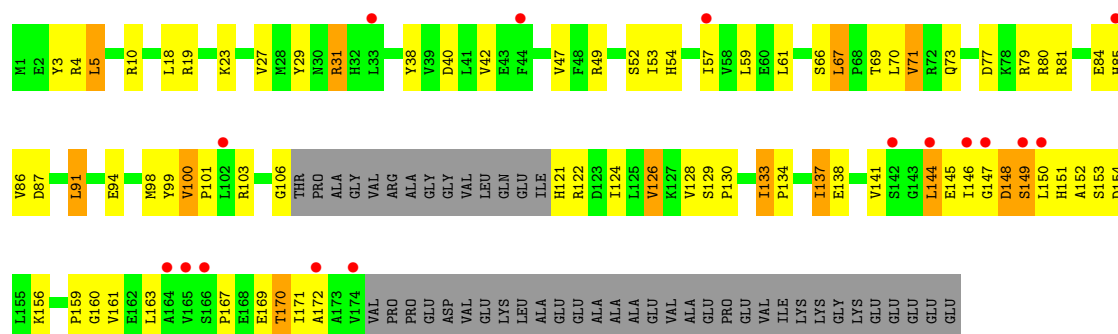
• Molecule 21: 50S ribosomal protein L25

Chain 1Z:  42% 29% . 25%



• Molecule 21: 50S ribosomal protein L25

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



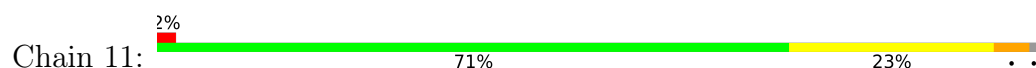
- Molecule 22: 50S ribosomal protein L27



- Molecule 22: 50S ribosomal protein L27



- Molecule 23: 50S ribosomal protein L28



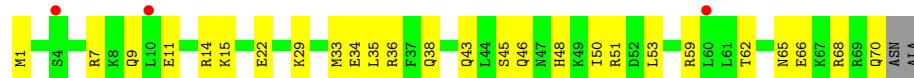
- Molecule 23: 50S ribosomal protein L28



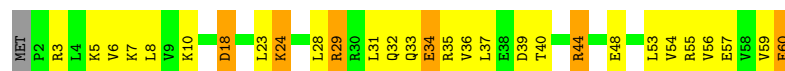
- Molecule 24: 50S ribosomal protein L29



- Molecule 24: 50S ribosomal protein L29



- Molecule 25: 50S ribosomal protein L30



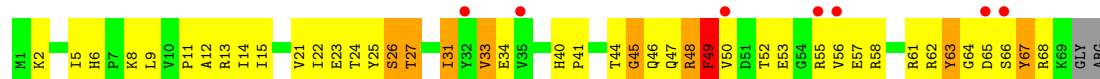
- Molecule 25: 50S ribosomal protein L30



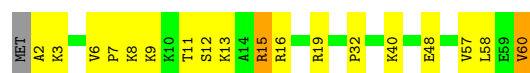
- Molecule 26: 50S ribosomal protein L31



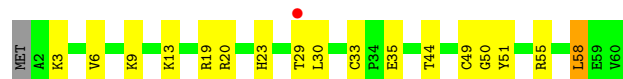
- Molecule 26: 50S ribosomal protein L31



- Molecule 27: 50S ribosomal protein L32



- Molecule 27: 50S ribosomal protein L32



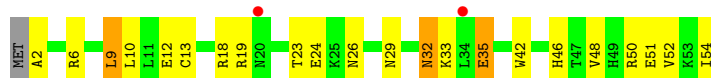
- Molecule 28: 50S ribosomal protein L33

Chain 16:  50% 37% 11% .



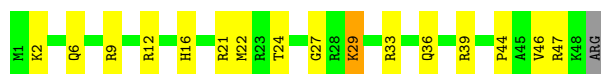
- Molecule 28: 50S ribosomal protein L33

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



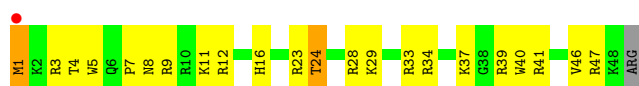
- Molecule 29: 50S ribosomal protein L34

Chain 17:  65% 31% . .



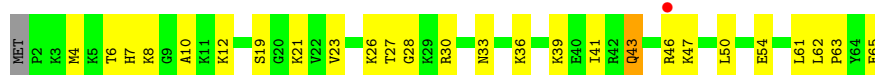
- Molecule 29: 50S ribosomal protein L34

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% .

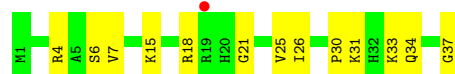


- Molecule 31: 50S ribosomal protein L36

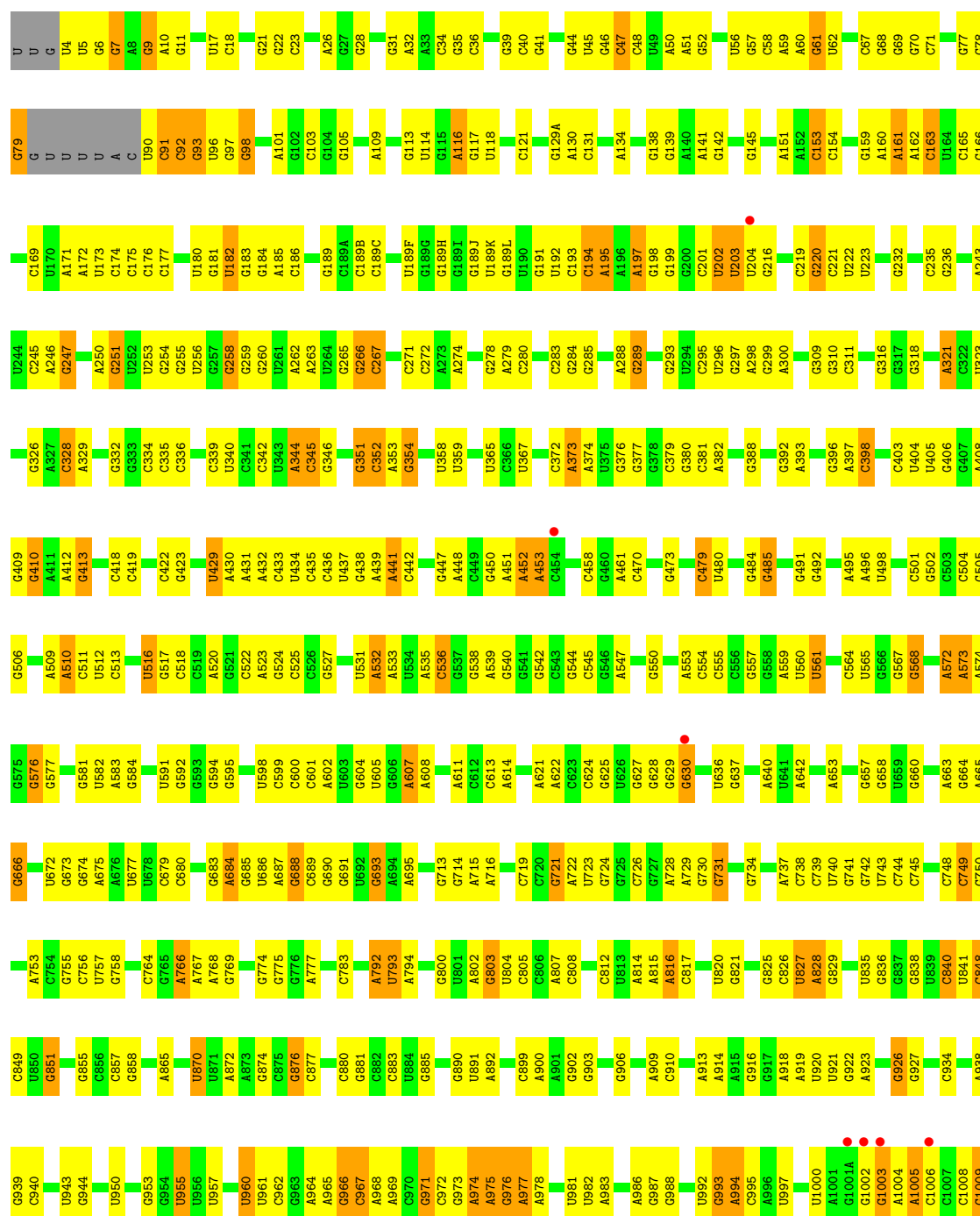
Chain 19:  65% 35%



- Molecule 31: 50S ribosomal protein L36



• Molecule 32: 16S Ribosomal RNA

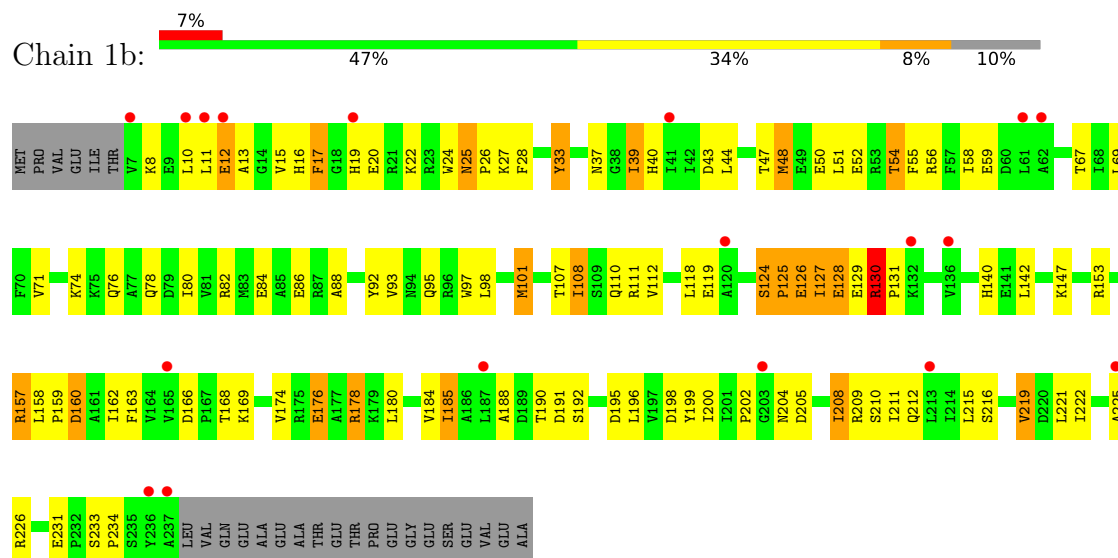




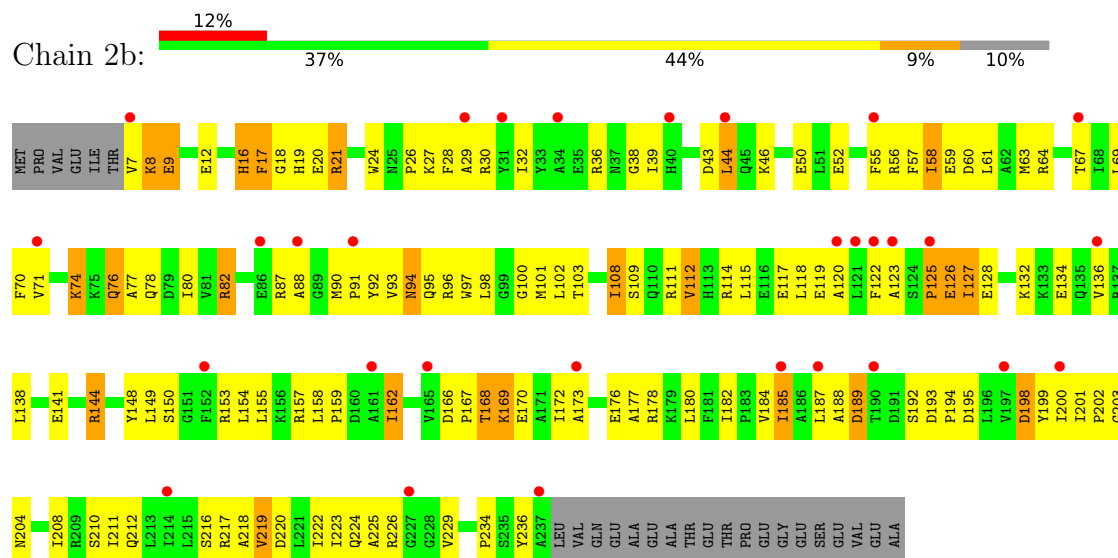


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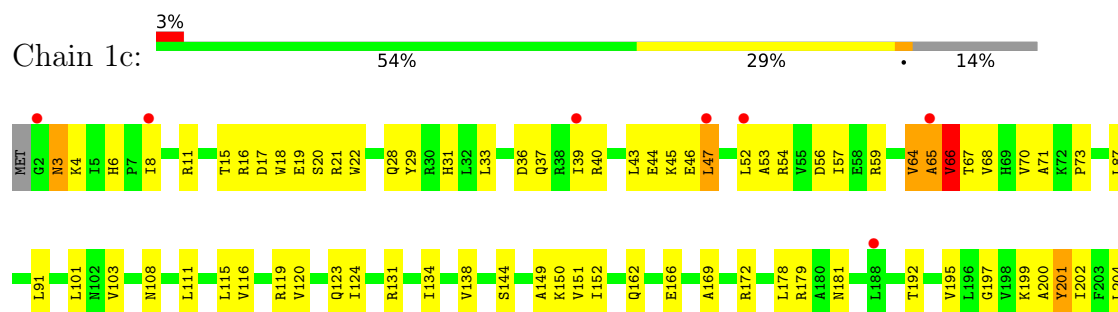
- Molecule 33: 30S ribosomal protein S2

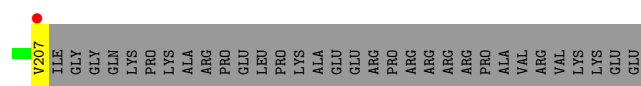


- Molecule 33: 30S ribosomal protein S2

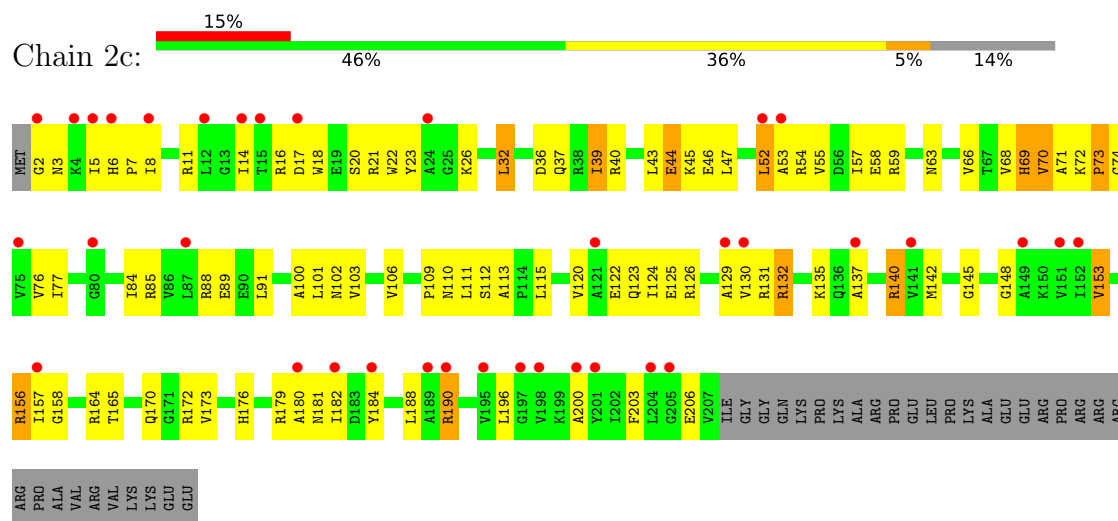


- Molecule 34: 30S ribosomal protein S3

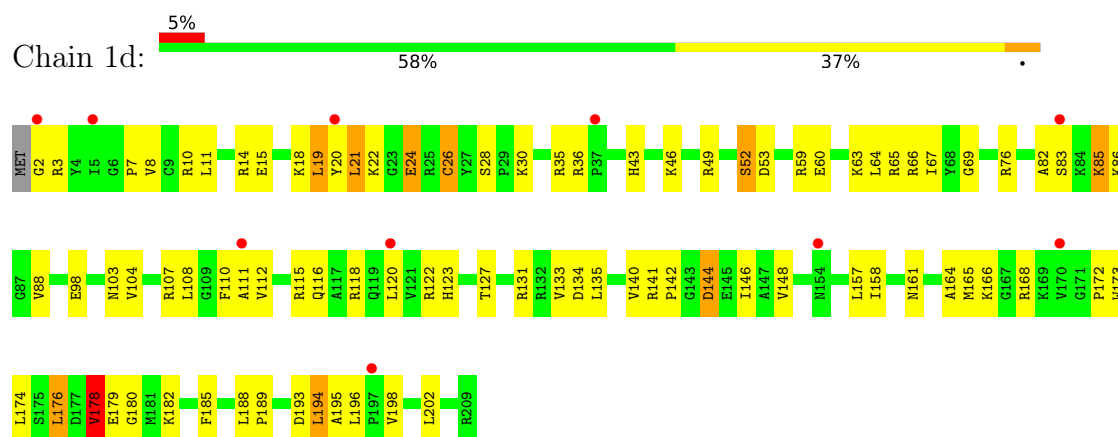




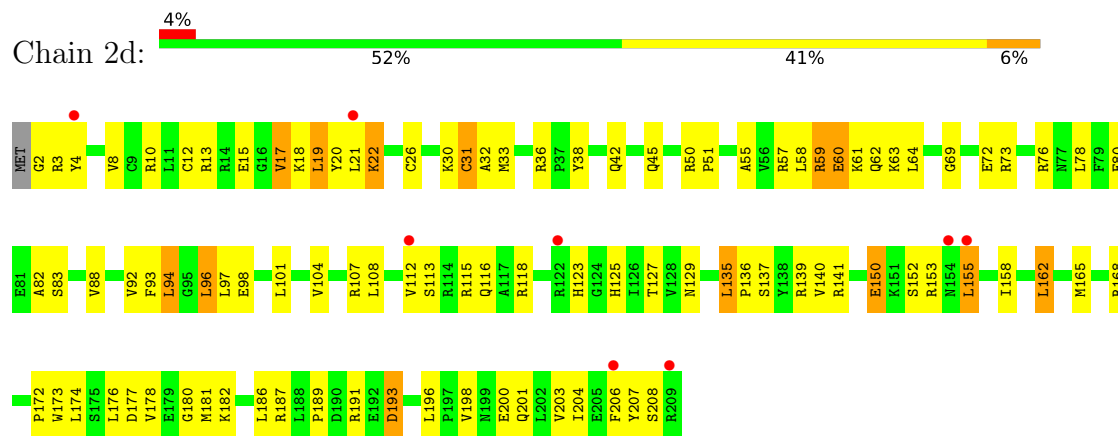
● Molecule 34: 30S ribosomal protein S3



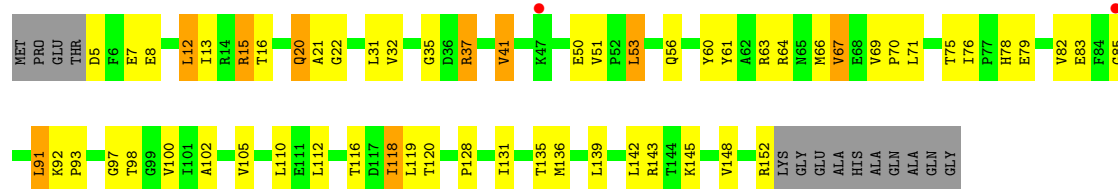
● Molecule 35: 30S ribosomal protein S4



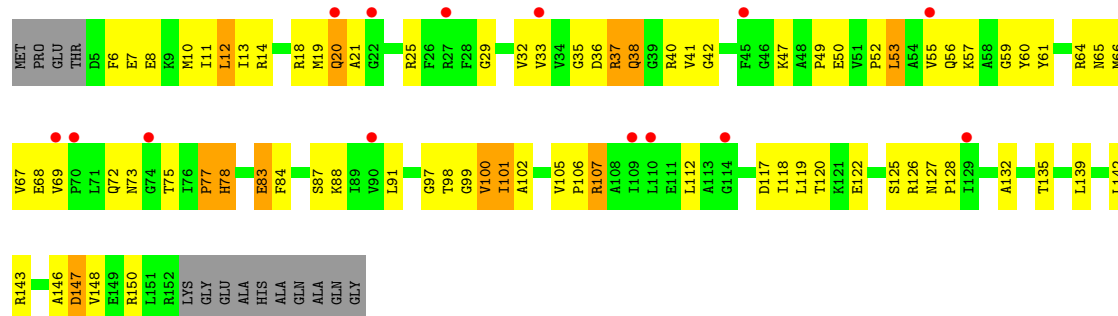
● Molecule 35: 30S ribosomal protein S4



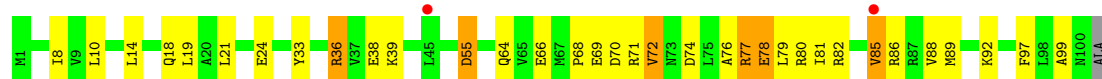
● Molecule 36: 30S ribosomal protein S5



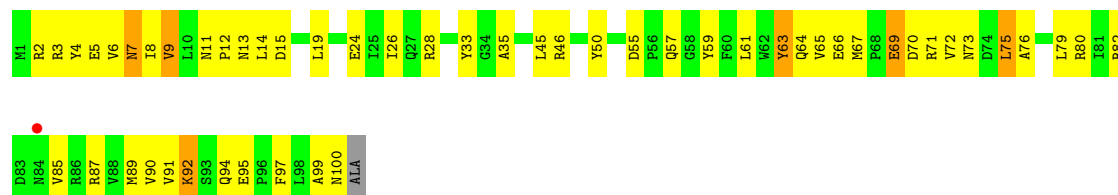
• Molecule 36: 30S ribosomal protein S5



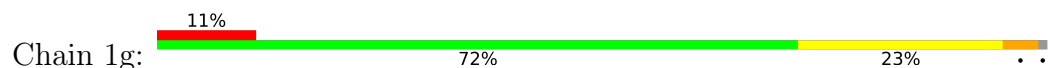
• Molecule 37: 30S ribosomal protein S6



• Molecule 37: 30S ribosomal protein S6

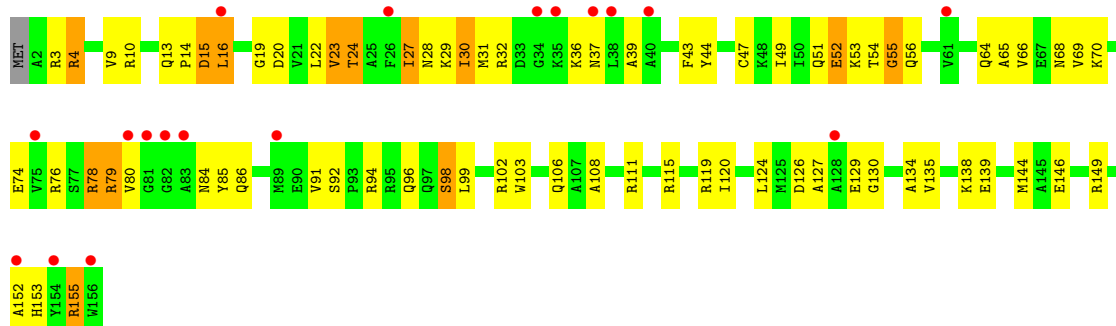


• Molecule 38: 30S ribosomal protein S7

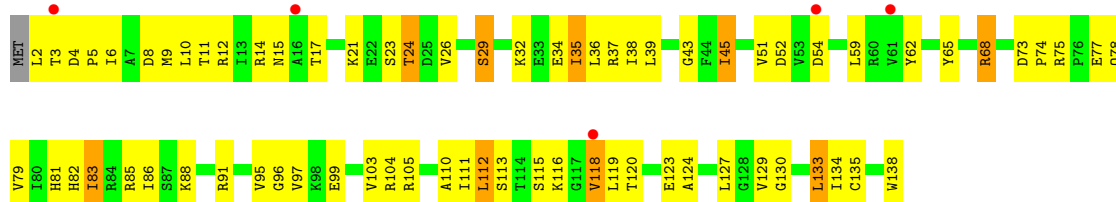




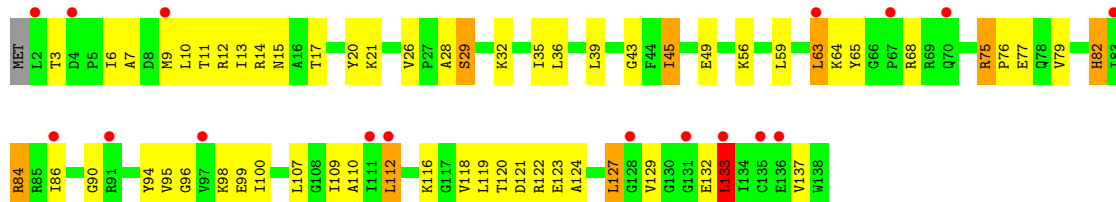
• Molecule 38: 30S ribosomal protein S7



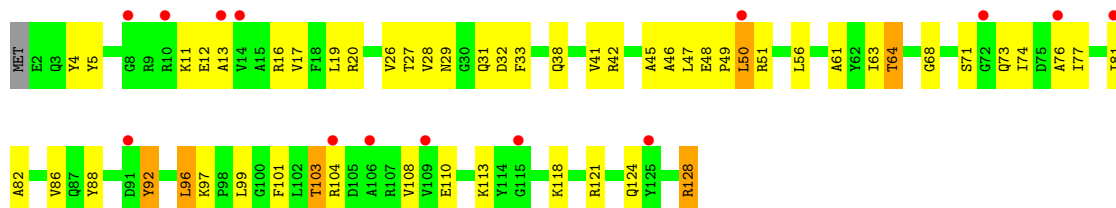
• Molecule 39: 30S ribosomal protein S8



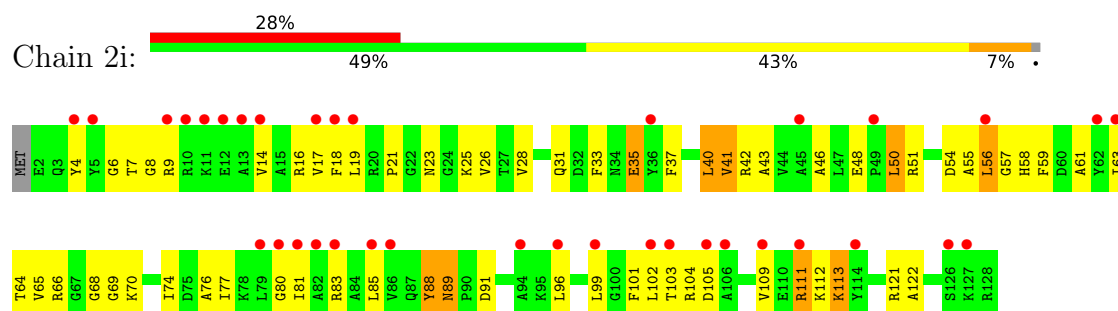
• Molecule 39: 30S ribosomal protein S8



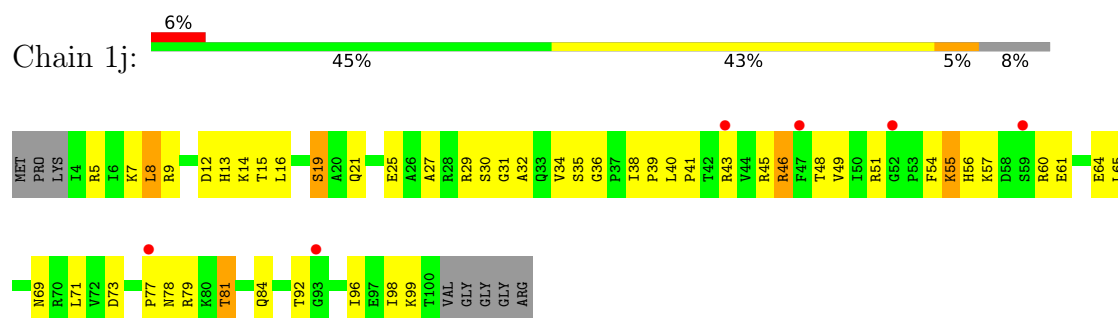
• Molecule 40: 30S ribosomal protein S9



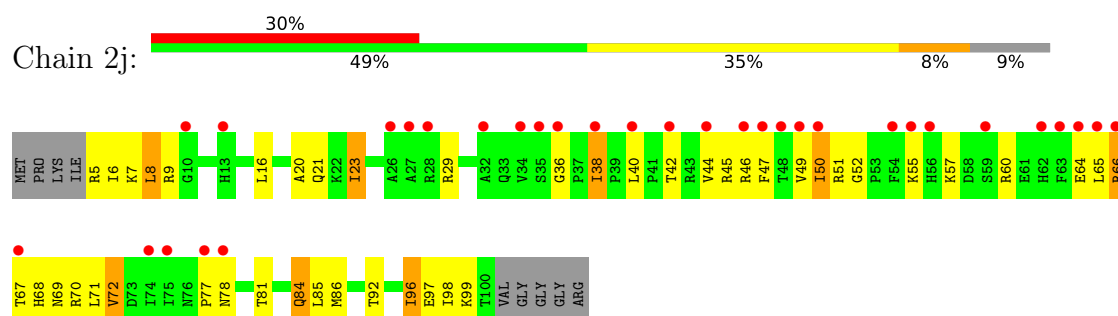
- Molecule 40: 30S ribosomal protein S9



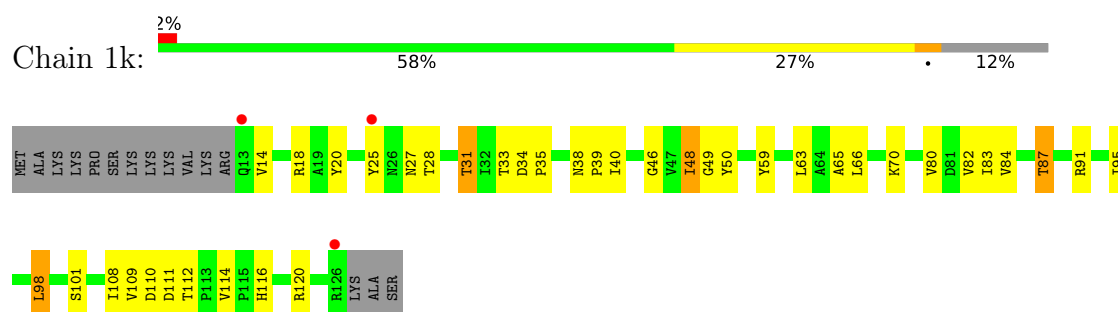
- Molecule 41: 30S ribosomal protein S10



- Molecule 41: 30S ribosomal protein S10

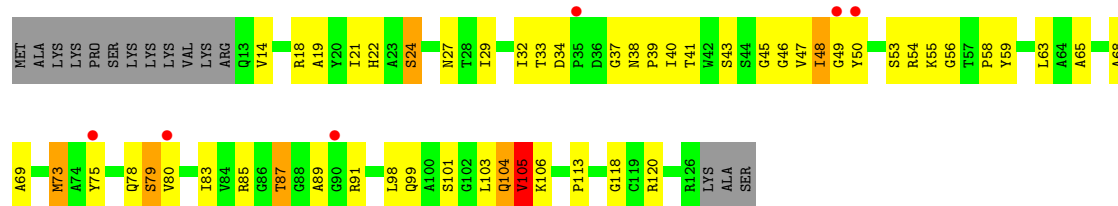


- Molecule 42: 30S ribosomal protein S11

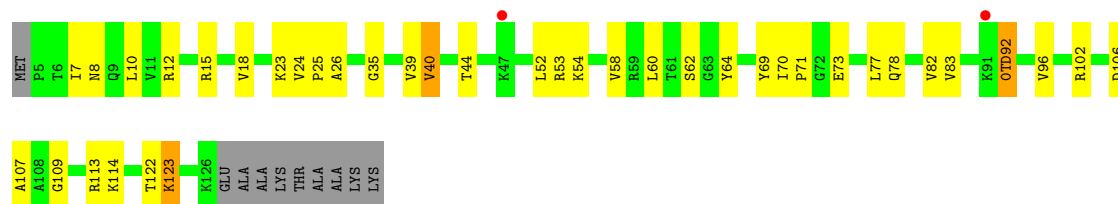


- Molecule 42: 30S ribosomal protein S11

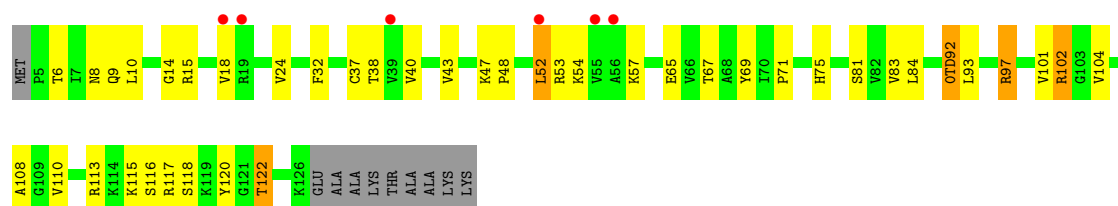




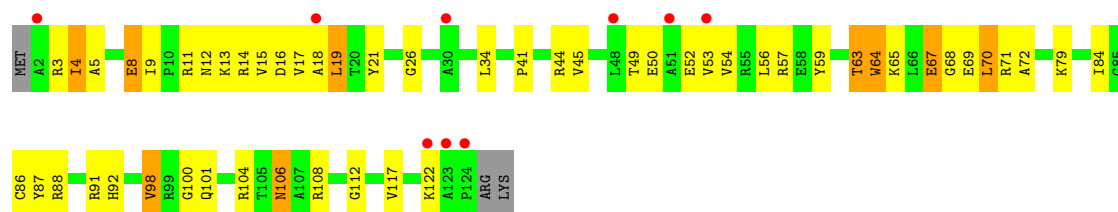
• Molecule 43: 30S ribosomal protein S12



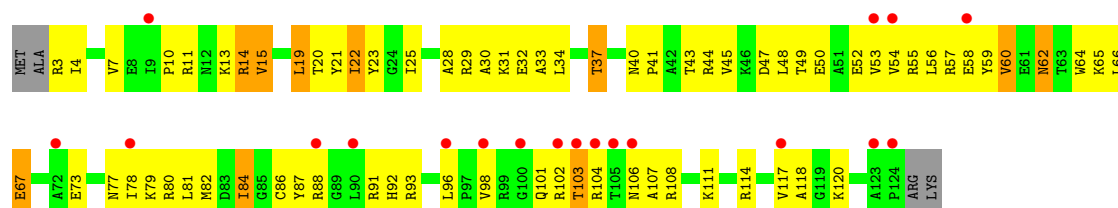
• Molecule 43: 30S ribosomal protein S12



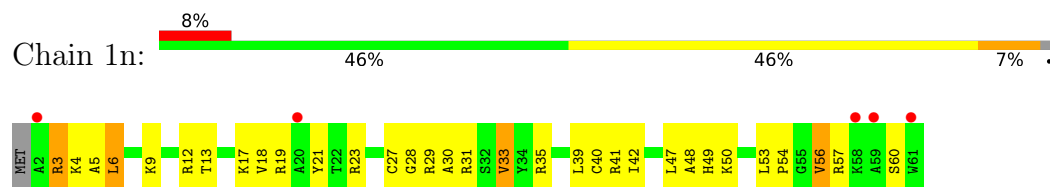
• Molecule 44: 30S ribosomal protein S13



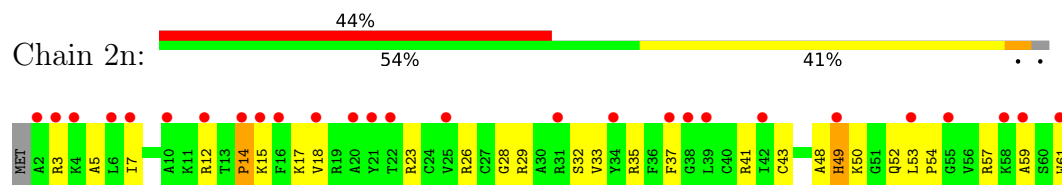
• Molecule 44: 30S ribosomal protein S13



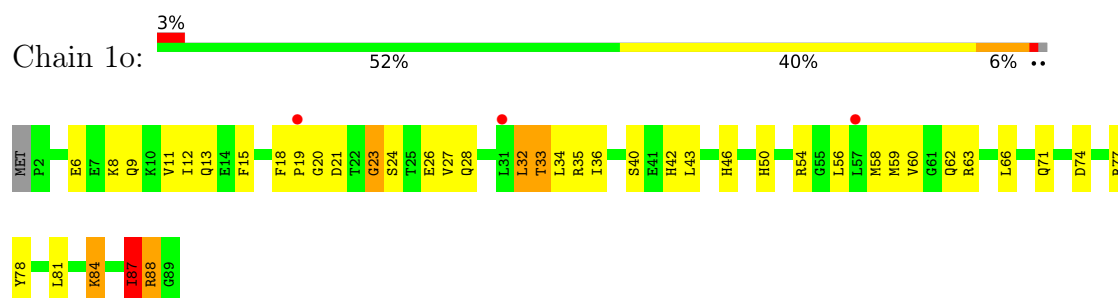
- Molecule 45: 30S ribosomal protein S14 type Z



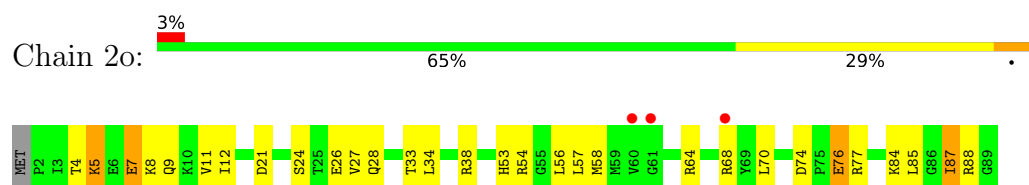
- Molecule 45: 30S ribosomal protein S14 type Z



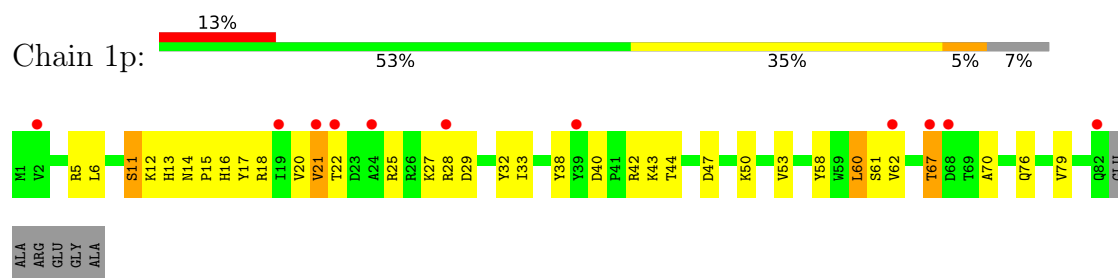
- Molecule 46: 30S ribosomal protein S15



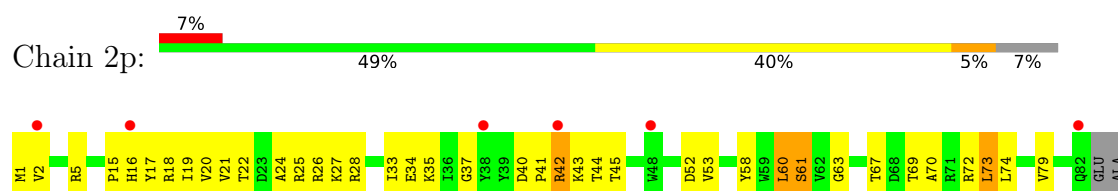
- Molecule 46: 30S ribosomal protein S15

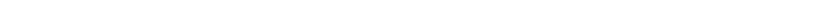


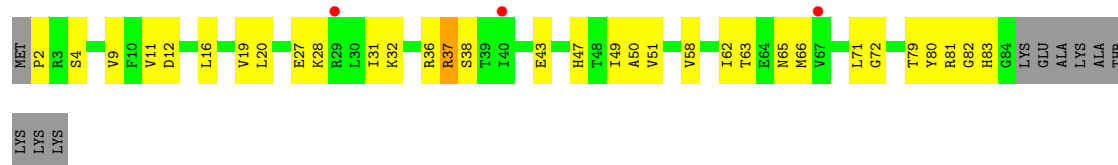
- Molecule 47: 30S ribosomal protein S16



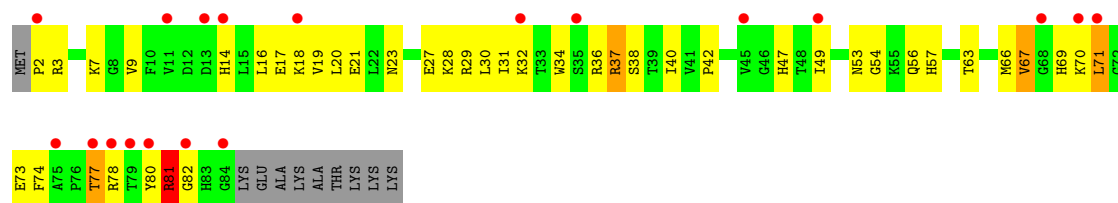
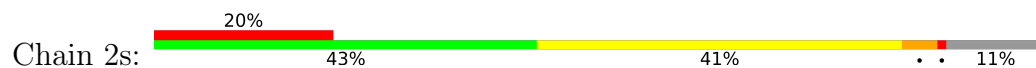
- Molecule 47: 30S ribosomal protein S16



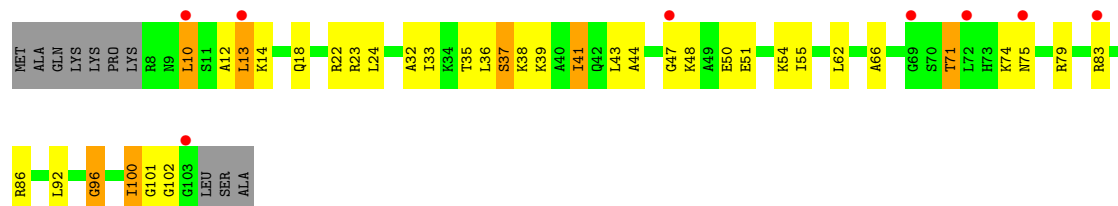
Chain 1s: 



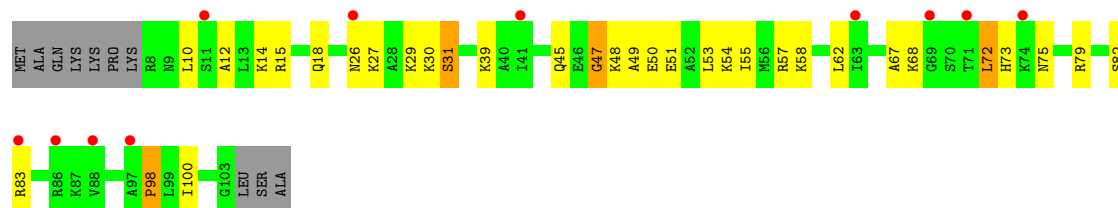
- Molecule 50: 30S ribosomal protein S19



- Molecule 51: 30S ribosomal protein S20



- Molecule 51: 30S ribosomal protein S20

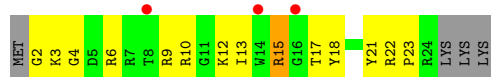


- Molecule 52: 30S ribosomal protein Thx



- Molecule 52: 30S ribosomal protein Thx

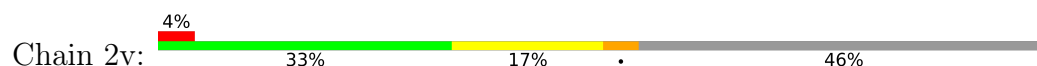




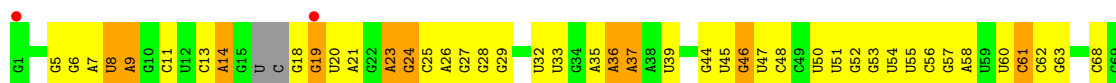
• Molecule 53: mRNA



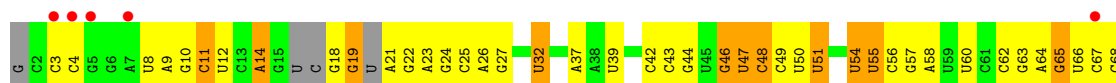
• Molecule 53: mRNA



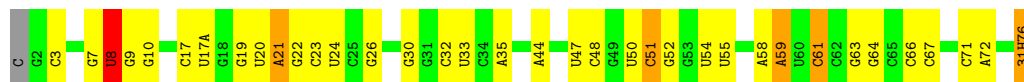
• Molecule 54: A-site tRNA



• Molecule 54: A-site tRNA

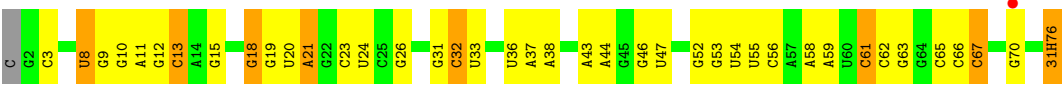


• Molecule 55: P-site tRNA

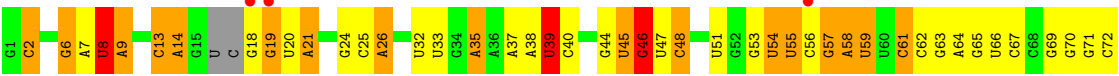


• Molecule 55: P-site tRNA

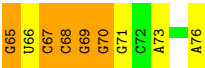
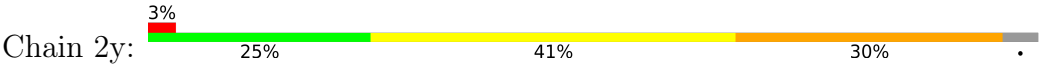




• Molecule 56: E-site tRNA



• 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: ZN, MIA, 3IH, 4OC, 5MC, PSU, UR3, M2G, K, OMG, MA6, 4SU, SF4, 0TD, 5MU, MG, OMU, 2MG, 7MG, 2MA, 6IF

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

5.3.1 Protein backbone

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	1D	273/276 (99%)	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	MA6	1a	1518	32	23,26,27	0.40	0	33,38,41	2.13	9 (27%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
55	31H	1x	76	55,57	31,34,35	1.20	4 (12%)	35,47,50	2.11	12 (34%)
56	PSU	2y	39	56	18,21,22	1.41	2 (11%)	21,30,33	1.85	3 (14%)
56	MIA	2y	37	56	21,24,32	1.57	4 (19%)	30,35,47	2.04	10 (33%)
32	UR3	2a	1498	32	19,22,23	1.10	2 (10%)	26,32,35	1.79	3 (11%)
1	4OC	2A	1920	1	19,22,24	0.77	0	25,31,35	0.89	1 (4%)
55	5MU	1x	54	55	19,22,23	1.40	4 (21%)	27,32,35	1.86	6 (22%)
32	5MC	1a	1400	32	19,22,23	1.52	3 (15%)	26,32,35	1.19	3 (11%)
56	5MU	2y	54	56	19,22,23	1.41	4 (21%)	27,32,35	1.90	5 (18%)
32	2MG	1a	1207	32	23,26,27	1.34	3 (13%)	33,38,41	2.11	6 (18%)
56	PSU	1y	32	56	18,21,22	1.35	2 (11%)	21,30,33	1.86	3 (14%)
32	M2G	2a	966	32	24,27,28	1.33	4 (16%)	33,40,43	1.90	5 (15%)
55	PSU	1x	55	55	18,21,22	1.36	2 (11%)	21,30,33	1.98	3 (14%)
32	MA6	2a	1519	32	23,26,27	0.44	0	33,38,41	2.10	9 (27%)
56	PSU	2y	32	56	18,21,22	1.34	2 (11%)	21,30,33	2.03	4 (19%)
56	PSU	2y	55	56	18,21,22	1.35	3 (16%)	21,30,33	2.22	4 (19%)
55	4SU	1x	8	55	18,21,22	2.04	6 (33%)	25,30,33	1.46	5 (20%)
32	7MG	1a	527	32,57	23,26,27	1.34	3 (13%)	27,39,42	2.68	7 (25%)
54	5MU	2w	54	54	19,22,23	1.37	5 (26%)	27,32,35	1.71	6 (22%)
55	PSU	2x	55	55	18,21,22	1.35	2 (11%)	21,30,33	1.99	5 (23%)
55	31H	2x	76	55,57	31,34,35	1.21	3 (9%)	35,47,50	2.08	12 (34%)
1	OMU	1A	2552	1	19,22,23	1.17	2 (10%)	25,31,34	1.88	6 (24%)
1	MA6	2A	2058	1	23,26,27	0.44	0	33,38,41	1.95	11 (33%)
1	4OC	1A	1920	1	19,22,24	0.83	0	25,31,35	1.05	2 (8%)
56	PSU	1y	39	56	18,21,22	1.41	2 (11%)	21,30,33	2.11	4 (19%)
32	5MC	2a	1404	32	19,22,23	1.69	3 (15%)	26,32,35	1.19	2 (7%)
54	MIA	2w	37	54	24,27,32	2.01	5 (20%)	32,39,47	2.57	10 (31%)
54	5MU	1w	54	54	19,22,23	1.37	5 (26%)	27,32,35	2.12	6 (22%)
1	5MU	1A	1915	1	19,22,23	1.44	4 (21%)	27,32,35	2.19	5 (18%)
32	5MC	2a	967	32,57	19,22,23	1.77	3 (15%)	26,32,35	1.07	2 (7%)
1	5MC	1A	1962	1,57	19,22,23	1.67	3 (15%)	26,32,35	1.11	3 (11%)
1	MA6	1A	2058	1,57	23,26,27	0.47	0	33,38,41	2.22	11 (33%)
32	7MG	2a	527	32,57	23,26,27	1.30	3 (13%)	27,39,42	2.61	8 (29%)
56	7MG	1y	46	56	23,26,27	1.32	3 (13%)	27,39,42	2.58	6 (22%)
56	PSU	1y	55	56	18,21,22	1.44	2 (11%)	21,30,33	2.08	4 (19%)
1	5MU	2A	1915	1	19,22,23	1.42	5 (26%)	27,32,35	2.07	6 (22%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
54	MIA	1w	37	54	28,31,32	2.30	7 (25%)	38,44,47	2.75	15 (39%)
32	5MC	1a	1407	32	19,22,23	1.46	2 (10%)	26,32,35	1.11	3 (11%)
54	4SU	1w	8	54	18,21,22	1.79	5 (27%)	25,30,33	1.84	5 (20%)
54	PSU	2w	32	54	18,21,22	1.35	2 (11%)	21,30,33	1.88	3 (14%)
1	5MC	1A	1942	1,57	19,22,23	1.48	3 (15%)	26,32,35	1.19	3 (11%)
56	4SU	1y	8	56	18,21,22	1.73	4 (22%)	25,30,33	2.11	5 (20%)
56	7MG	2y	46	56	23,26,27	1.38	3 (13%)	27,39,42	2.78	8 (29%)
32	4OC	1a	1402	32	20,23,24	0.75	0	25,32,35	0.84	1 (4%)
1	PSU	1A	2605	1,57	18,21,22	1.46	3 (16%)	21,30,33	2.11	5 (23%)
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%)
32	5MC	2a	1400	32	19,22,23	1.76	3 (15%)	26,32,35	1.23	3 (11%)
32	5MC	1a	1404	32	19,22,23	1.80	3 (15%)	26,32,35	1.30	5 (19%)
54	4SU	2w	8	54	18,21,22	1.73	4 (22%)	25,30,33	2.37	6 (24%)
1	OMG	1A	2251	1,55,57	23,26,27	1.28	3 (13%)	32,38,41	1.91	6 (18%)
1	2MA	2A	2503	1,57	22,25,26	1.47	5 (22%)	32,37,40	2.17	9 (28%)
1	PSU	2A	1911	1	18,21,22	1.39	2 (11%)	21,30,33	2.03	3 (14%)
54	7MG	2w	46	54	23,26,27	1.30	3 (13%)	27,39,42	2.67	7 (25%)
1	PSU	2A	2605	1	18,21,22	1.38	3 (16%)	21,30,33	2.07	5 (23%)
43	0TD	1l	92	43	8,9,10	4.73	1 (12%)	6,11,13	2.23	3 (50%)
55	5MC	1x	32	55	19,22,23	1.65	3 (15%)	26,32,35	1.24	3 (11%)
32	5MC	2a	1407	32	19,22,23	1.61	3 (15%)	26,32,35	1.23	3 (11%)
54	PSU	2w	39	54	18,21,22	1.29	2 (11%)	21,30,33	2.27	4 (19%)
32	M2G	1a	966	32	24,27,28	1.29	3 (12%)	33,40,43	1.83	6 (18%)
1	5MU	1A	1939	1,57	19,22,23	1.43	5 (26%)	27,32,35	2.38	6 (22%)
55	4SU	2x	8	55	18,21,22	2.19	5 (27%)	25,30,33	1.74	6 (24%)
1	OMG	2A	2251	1,55	23,26,27	1.22	4 (17%)	32,38,41	1.95	7 (21%)
54	PSU	2w	55	54	18,21,22	1.38	2 (11%)	21,30,33	2.02	3 (14%)
32	PSU	2a	516	32	18,21,22	1.38	2 (11%)	21,30,33	1.99	4 (19%)
54	7MG	1w	46	54	23,26,27	1.36	3 (13%)	27,39,42	2.59	7 (25%)
32	MA6	2a	1518	32	23,26,27	0.43	0	33,38,41	2.08	10 (30%)
56	4SU	2y	8	56	18,21,22	1.76	4 (22%)	25,30,33	2.08	6 (24%)
1	PSU	2A	1917	1	18,21,22	1.38	2 (11%)	21,30,33	2.08	4 (19%)
1	PSU	1A	1911	1	18,21,22	1.43	3 (16%)	21,30,33	2.00	4 (19%)
54	PSU	1w	55	54	18,21,22	1.43	2 (11%)	21,30,33	2.02	3 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
55	5MC	2x	32	55	19,22,23	1.77	3 (15%)	26,32,35	1.36	4 (15%)
32	UR3	1a	1498	32	19,22,23	1.07	1 (5%)	26,32,35	1.76	4 (15%)
32	PSU	1a	516	32,57	18,21,22	1.42	3 (16%)	21,30,33	2.11	5 (23%)
1	5MC	2A	1962	1,57	19,22,23	1.59	3 (15%)	26,32,35	1.19	2 (7%)
54	PSU	1w	32	54	18,21,22	1.36	2 (11%)	21,30,33	2.02	4 (19%)
55	5MU	2x	54	55	19,22,23	1.47	4 (21%)	27,32,35	2.10	6 (22%)
43	0TD	2l	92	43	8,9,10	4.60	1 (12%)	6,11,13	2.18	3 (50%)
32	5MC	1a	967	32	19,22,23	1.65	3 (15%)	26,32,35	1.21	5 (19%)
1	5MU	2A	1939	1	19,22,23	1.45	6 (31%)	27,32,35	2.39	6 (22%)
32	MA6	1a	1519	32	23,26,27	0.46	0	33,38,41	2.24	11 (33%)
1	PSU	1A	1917	1	18,21,22	1.38	2 (11%)	21,30,33	1.87	5 (23%)
1	5MC	2A	1942	1	19,22,23	1.70	3 (15%)	26,32,35	1.14	3 (11%)
1	2MA	1A	2503	1,57	22,25,26	1.46	4 (18%)	32,37,40	2.28	8 (25%)
56	MIA	1y	37	56	21,24,32	1.58	4 (19%)	30,35,47	1.99	7 (23%)
32	4OC	2a	1402	32,57	20,23,24	0.77	0	25,32,35	1.21	2 (8%)
32	2MG	2a	1207	32	23,26,27	1.24	3 (13%)	33,38,41	2.10	8 (24%)
56	5MU	1y	54	56	19,22,23	1.44	6 (31%)	27,32,35	1.95	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	MA6	1a	1518	32	-	0/11/29/30	0/3/3/3
55	31H	1x	76	55,57	-	9/22/40/41	0/3/3/3
56	PSU	2y	39	56	-	0/7/25/26	0/2/2/2
56	MIA	2y	37	56	-	0/7/25/34	0/3/3/3
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
1	4OC	2A	1920	1	-	0/9/27/30	0/2/2/2
55	5MU	1x	54	55	-	0/7/25/26	0/2/2/2
32	5MC	1a	1400	32	-	0/7/25/26	0/2/2/2
56	5MU	2y	54	56	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	1/9/27/28	0/3/3/3
56	PSU	1y	32	56	-	0/7/25/26	0/2/2/2
32	M2G	2a	966	32	-	0/11/29/30	0/3/3/3
55	PSU	1x	55	55	-	0/7/25/26	0/2/2/2
32	MA6	2a	1519	32	-	3/11/29/30	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
56	PSU	2y	32	56	-	0/7/25/26	0/2/2/2
56	PSU	2y	55	56	-	2/7/25/26	0/2/2/2
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
32	7MG	1a	527	32,57	-	2/7/37/38	0/3/3/3
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
55	31H	2x	76	55,57	-	6/22/40/41	0/3/3/3
1	OMU	1A	2552	1	-	0/9/27/28	0/2/2/2
1	MA6	2A	2058	1	-	0/11/29/30	0/3/3/3
1	4OC	1A	1920	1	-	1/9/27/30	0/2/2/2
56	PSU	1y	39	56	-	0/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	3/7/25/26	0/2/2/2
54	MIA	2w	37	54	-	0/11/29/34	0/3/3/3
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
1	5MU	1A	1915	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32,57	-	0/7/25/26	0/2/2/2
1	5MC	1A	1962	1,57	-	0/7/25/26	0/2/2/2
1	MA6	1A	2058	1,57	-	0/11/29/30	0/3/3/3
32	7MG	2a	527	32,57	-	3/7/37/38	0/3/3/3
56	7MG	1y	46	56	-	2/7/37/38	0/3/3/3
56	PSU	1y	55	56	-	1/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	0/7/25/26	0/2/2/2
54	MIA	1w	37	54	-	2/15/33/34	0/3/3/3
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
54	PSU	2w	32	54	-	2/7/25/26	0/2/2/2
1	5MC	1A	1942	1,57	-	0/7/25/26	0/2/2/2
56	4SU	1y	8	56	-	3/7/25/26	0/2/2/2
56	7MG	2y	46	56	-	4/7/37/38	0/3/3/3
32	4OC	1a	1402	32	-	3/9/29/30	0/2/2/2
1	PSU	1A	2605	1,57	-	0/7/25/26	0/2/2/2
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
32	5MC	2a	1400	32	-	2/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
54	4SU	2w	8	54	-	0/7/25/26	0/2/2/2
1	OMG	1A	2251	1,55,57	-	0/9/27/28	0/3/3/3
1	2MA	2A	2503	1,57	-	1/7/25/26	0/3/3/3
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	7MG	2w	46	54	-	3/7/37/38	0/3/3/3
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
43	0TD	1l	92	43	-	1/7/12/14	-
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
1	5MU	1A	1939	1,57	-	0/7/25/26	0/2/2/2
55	4SU	2x	8	55	-	0/7/25/26	0/2/2/2
1	OMG	2A	2251	1,55	-	0/9/27/28	0/3/3/3
54	PSU	2w	55	54	-	0/7/25/26	0/2/2/2
32	PSU	2a	516	32	-	2/7/25/26	0/2/2/2
54	7MG	1w	46	54	-	1/7/37/38	0/3/3/3
32	MA6	2a	1518	32	-	0/11/29/30	0/3/3/3
56	4SU	2y	8	56	-	0/7/25/26	0/2/2/2
1	PSU	2A	1917	1	-	2/7/25/26	0/2/2/2
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	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	1962	1,57	-	1/7/25/26	0/2/2/2
54	PSU	1w	32	54	-	0/7/25/26	0/2/2/2
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	1/7/12/14	-
32	5MC	1a	967	32	-	1/7/25/26	0/2/2/2
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	2/11/29/30	0/3/3/3
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
1	2MA	1A	2503	1,57	-	1/7/25/26	0/3/3/3
56	MIA	1y	37	56	-	0/7/25/34	0/3/3/3
32	4OC	2a	1402	32,57	-	2/9/29/30	0/2/2/2
32	2MG	2a	1207	32	-	0/9/27/28	0/3/3/3
56	5MU	1y	54	56	-	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

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
54	1w	37	MIA	C2-S10	-7.22	1.69	1.75
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
32	1a	1518	MA6	1	0
55	1x	76	31H	2	0
56	2y	39	PSU	1	0
56	2y	37	MIA	1	0
1	2A	1920	4OC	2	0
32	2a	966	M2G	1	0
32	2a	1519	MA6	2	0
56	2y	32	PSU	1	0
56	2y	55	PSU	4	0
55	1x	8	4SU	1	0
54	2w	54	5MU	1	0
55	2x	76	31H	2	0
1	1A	2552	OMU	2	0
1	2A	2058	MA6	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
56	1y	39	PSU	1	0
1	1A	1915	5MU	1	0
32	2a	967	5MC	3	0
1	1A	2058	MA6	2	0
56	1y	46	7MG	1	0
56	1y	55	PSU	3	0
1	2A	1915	5MU	3	0
54	1w	37	MIA	2	0
56	1y	8	4SU	2	0
32	1a	1402	4OC	2	0
1	2A	2552	OMU	1	0
32	1a	1404	5MC	1	0
1	1A	2251	OMG	3	0
1	2A	2503	2MA	1	0
43	1l	92	0TD	1	0
32	1a	966	M2G	2	0
1	1A	1939	5MU	2	0
55	2x	8	4SU	1	0
1	2A	2251	OMG	1	0
54	2w	55	PSU	1	0
32	2a	516	PSU	1	0
32	2a	1518	MA6	2	0
56	2y	8	4SU	2	0
1	2A	1917	PSU	1	0
55	2x	32	5MC	1	0
32	1a	1498	UR3	1	0
32	1a	516	PSU	1	0
1	2A	1962	5MC	1	0
43	2l	92	0TD	2	0
32	1a	967	5MC	2	0
1	2A	1939	5MU	1	0
32	1a	1519	MA6	1	0
1	1A	2503	2MA	1	0
32	2a	1402	4OC	5	0
32	2a	1207	2MG	5	0
56	1y	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:

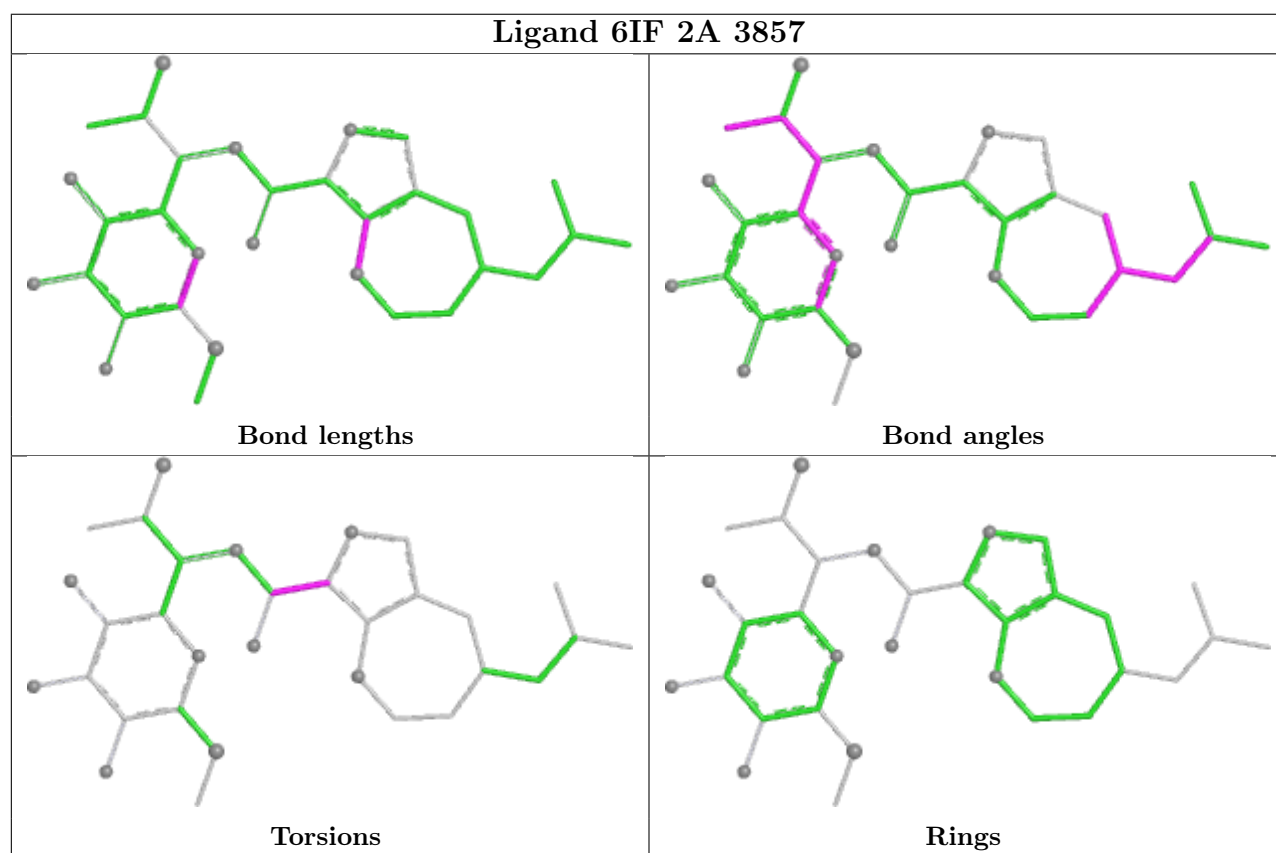
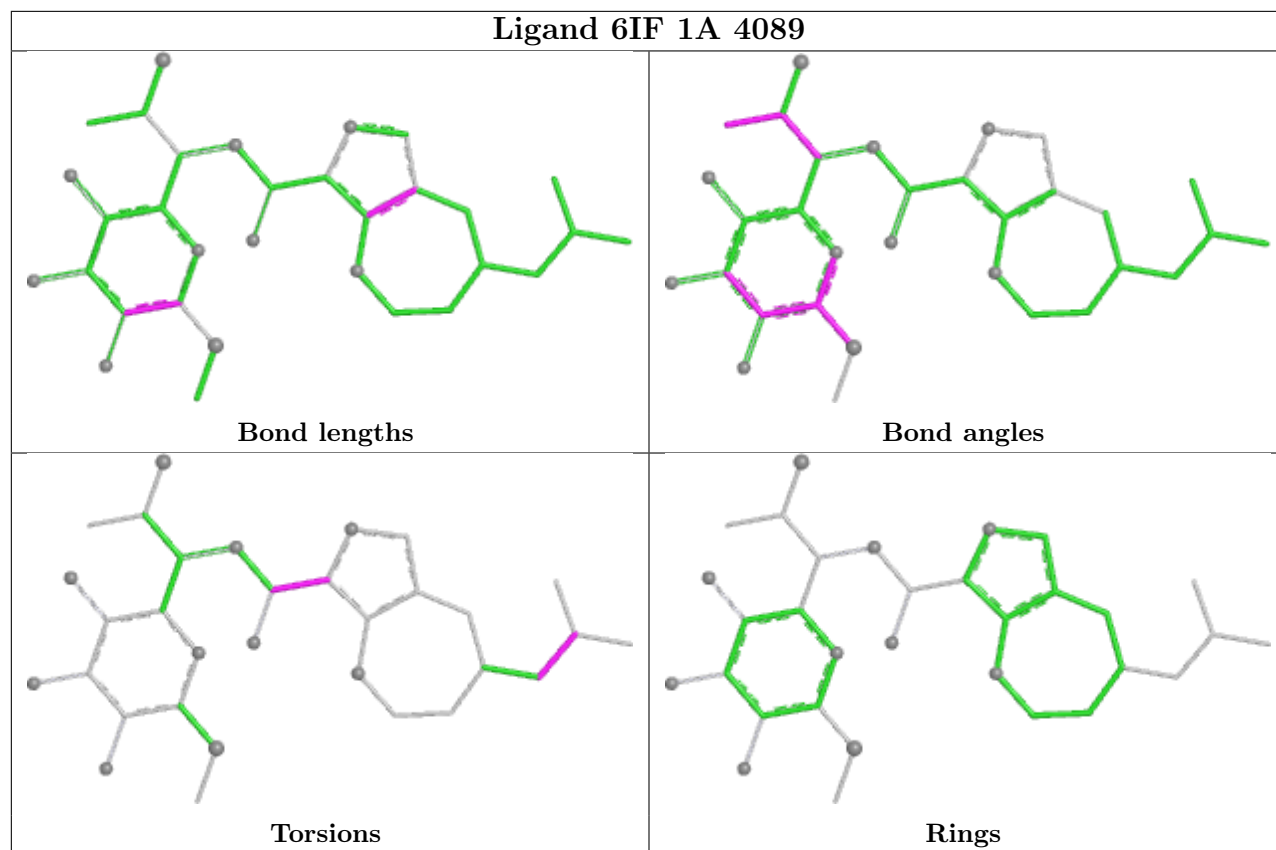
Mol	Chain	Res	Type	Atoms
59	1A	4089	6IF	O-C-CA-CB
59	1A	4089	6IF	NAH-C-CA-CB
59	2A	3857	6IF	O-C-CA-CB
59	2A	3857	6IF	NAH-C-CA-CB
59	1A	4089	6IF	CAY-CBA-CBB-CBC

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.