



wwPDB X-ray Structure Validation Summary Report ⓘ

Aug 5, 2026 – 05:08 AM EDT

PDB ID : 6XHV / pdb_00006xhv
Title : Crystal structure of the A2058-dimethylated *Thermus thermophilus* 70S ribosome in complex with mRNA, aminoacylated A- and P-site tRNAs, and deacylated E-site tRNA at 2.40Å resolution
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Deposited on : 2020-06-19
Resolution : 2.40 Å(reported)

This is a wwPDB X-ray Structure Validation Summary Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/XrayValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.015 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.50

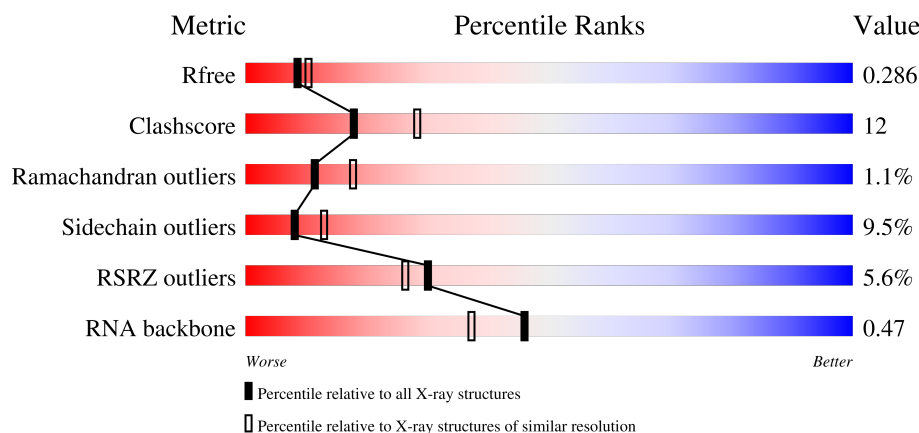
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.40 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.



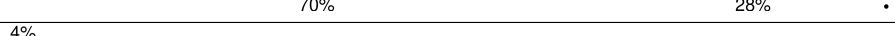
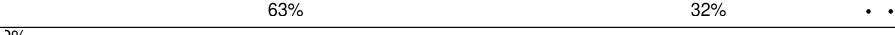
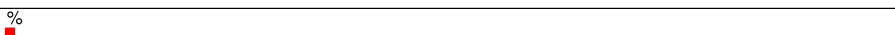
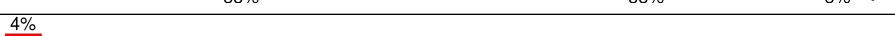
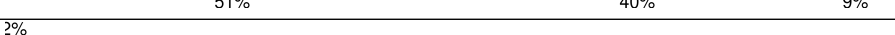
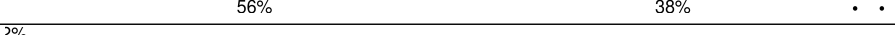
Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	4912 (2.40-2.40)
Clashscore	190562	5391 (2.40-2.40)
Ramachandran outliers	187476	5320 (2.40-2.40)
Sidechain outliers	187428	5321 (2.40-2.40)
RSRZ outliers	180081	4916 (2.40-2.40)
RNA backbone	3983	1155 (2.70-2.10)

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	4% 53% 36% 9%
1	2A	2915	5% 47% 40% 9%
2	1B	121	66% 30%

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Mol	Chain	Length	Quality of chain
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	
14	2S	112	

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Mol	Chain	Length	Quality of chain
15	1T	146	2% 62% 26% 10%
15	2T	146	% 57% 31% 10%
16	1U	118	81% 15%
16	2U	118	3% 71% 25%
17	1V	101	% 69% 28%
17	2V	101	3% 68% 27%
18	1W	113	74% 23%
18	2W	113	2% 72% 25%
19	1X	96	% 58% 36%
19	2X	96	8% 60% 33%
20	1Y	110	% 71% 23%
20	2Y	110	9% 60% 32% 5%
21	1Z	206	9% 38% 33% 25%
21	2Z	206	19% 39% 31% 8% 22%
22	10	85	82% 15%
22	20	85	9% 74% 24%
23	11	98	2% 73% 24%
23	21	98	4% 71% 23%
24	12	72	% 65% 32%
24	22	72	% 53% 39% 6%
25	13	60	62% 32% 5%
25	23	60	2% 55% 35% 8%
26	14	71	17% 49% 35% 11%
26	24	71	23% 51% 38% 8%
27	15	60	2% 65% 28% 5%

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Mol	Chain	Length	Quality of chain
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	
39	2h	138	

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Mol	Chain	Length	Quality of chain
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	
52	1u	27	

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Mol	Chain	Length	Quality of chain
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
56	PSU	2y	55	-	-	X	-

2 Entry composition

There are 61 unique types of molecules in this entry. The entry contains 300906 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	74	Total	C	N	O	P	S	0	0
			1603	722	287	518	74	2		
54	2w	72	Total	C	N	O	P	S	0	0
			1555	699	280	502	72	2		

- 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	1121	Total	Mg	0	0
			1121	1121		
57	1B	34	Total	Mg	0	0
			34	34		
57	1D	12	Total	Mg	0	0
			12	12		
57	1E	13	Total	Mg	0	0
			13	13		
57	1F	11	Total	Mg	0	0
			11	11		

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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	5	Total 5	Mg 5	0	0
57	1O	4	Total 4	Mg 4	0	0
57	1P	4	Total 4	Mg 4	0	0
57	1Q	7	Total 7	Mg 7	0	0
57	1R	4	Total 4	Mg 4	0	0
57	1S	3	Total 3	Mg 3	0	0
57	1T	4	Total 4	Mg 4	0	0
57	1U	9	Total 9	Mg 9	0	0
57	1V	9	Total 9	Mg 9	0	0
57	1W	6	Total 6	Mg 6	0	0
57	1X	7	Total 7	Mg 7	0	0
57	1Y	3	Total 3	Mg 3	0	0
57	1Z	2	Total 2	Mg 2	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	5	Total 5	Mg 5	0	0
57	14	1	Total 1	Mg 1	0	0
57	15	7	Total 7	Mg 7	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	16	1	Total 1	Mg 1	0	0
57	17	5	Total 5	Mg 5	0	0
57	18	6	Total 6	Mg 6	0	0
57	19	1	Total 1	Mg 1	0	0
57	1a	219	Total 219	Mg 219	0	0
57	1b	2	Total 2	Mg 2	0	0
57	1d	1	Total 1	Mg 1	0	0
57	1e	2	Total 2	Mg 2	0	0
57	1f	2	Total 2	Mg 2	0	0
57	1l	2	Total 2	Mg 2	0	0
57	1m	2	Total 2	Mg 2	0	0
57	1n	1	Total 1	Mg 1	0	0
57	1t	1	Total 1	Mg 1	0	0
57	1v	1	Total 1	Mg 1	0	0
57	1w	10	Total 10	Mg 10	0	0
57	1x	15	Total 15	Mg 15	0	0
57	1y	3	Total 3	Mg 3	0	0
57	2A	890	Total 890	Mg 890	0	0
57	2B	20	Total 20	Mg 20	0	0
57	2D	7	Total 7	Mg 7	0	0
57	2E	5	Total 5	Mg 5	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	2F	6	Total 6	Mg 6	0	0
57	2G	1	Total 1	Mg 1	0	0
57	2N	1	Total 1	Mg 1	0	0
57	2O	2	Total 2	Mg 2	0	0
57	2P	1	Total 1	Mg 1	0	0
57	2Q	5	Total 5	Mg 5	0	0
57	2R	2	Total 2	Mg 2	0	0
57	2T	3	Total 3	Mg 3	0	0
57	2U	2	Total 2	Mg 2	0	0
57	2V	3	Total 3	Mg 3	0	0
57	2W	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	1	Total 1	Mg 1	0	0
57	21	1	Total 1	Mg 1	0	0
57	23	4	Total 4	Mg 4	0	0
57	25	5	Total 5	Mg 5	0	0
57	26	1	Total 1	Mg 1	0	0
57	27	1	Total 1	Mg 1	0	0
57	28	3	Total 3	Mg 3	0	0
57	2a	238	Total 238	Mg 238	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	2d	2	Total 2	Mg 2	0	0
57	2e	1	Total 1	Mg 1	0	0
57	2f	2	Total 2	Mg 2	0	0
57	2g	1	Total 1	Mg 1	0	0
57	2j	2	Total 2	Mg 2	0	0
57	2l	3	Total 3	Mg 3	0	0
57	2q	3	Total 3	Mg 3	0	0
57	2r	1	Total 1	Mg 1	0	0
57	2t	1	Total 1	Mg 1	0	0
57	2v	4	Total 4	Mg 4	0	0
57	2w	9	Total 9	Mg 9	0	0
57	2x	5	Total 5	Mg 5	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 ZINC ION (CCD ID: ZN) (formula: Zn).

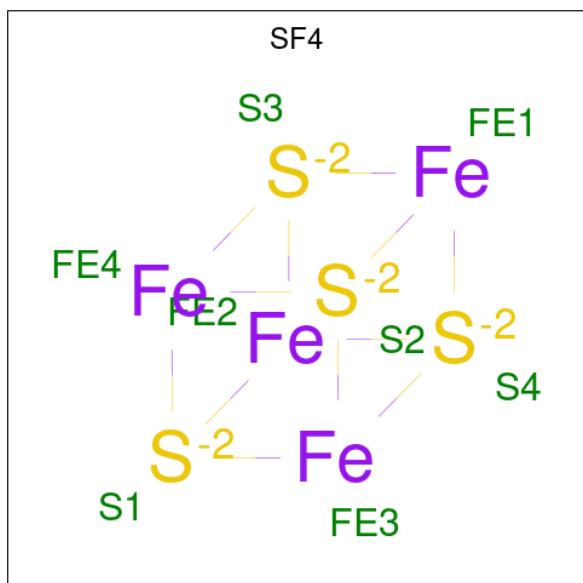
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	1Y	1	Total 1	Zn 1	0	0
59	14	1	Total 1	Zn 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	15	1	Total	Zn	0	0
			1	1		
59	16	1	Total	Zn	0	0
			1	1		
59	19	1	Total	Zn	0	0
			1	1		
59	1n	1	Total	Zn	0	0
			1	1		
59	2Y	1	Total	Zn	0	0
			1	1		
59	24	1	Total	Zn	0	0
			1	1		
59	25	1	Total	Zn	0	0
			1	1		
59	26	1	Total	Zn	0	0
			1	1		
59	29	1	Total	Zn	0	0
			1	1		
59	2n	1	Total	Zn	0	0
			1	1		

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



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

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

- Molecule 61 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	1A	2266	Total	O	0	0
			2266	2266		
61	1B	69	Total	O	0	0
			69	69		
61	1D	25	Total	O	0	0
			25	25		
61	1E	26	Total	O	0	0
			26	26		
61	1F	19	Total	O	0	0
			19	19		
61	1G	7	Total	O	0	0
			7	7		
61	1H	2	Total	O	0	0
			2	2		
61	1N	7	Total	O	0	0
			7	7		
61	1O	6	Total	O	0	0
			6	6		
61	1P	24	Total	O	0	0
			24	24		
61	1Q	9	Total	O	0	0
			9	9		
61	1R	15	Total	O	0	0
			15	15		
61	1S	6	Total	O	0	0
			6	6		
61	1T	8	Total	O	0	0
			8	8		
61	1U	9	Total	O	0	0
			9	9		
61	1V	8	Total	O	0	0
			8	8		
61	1W	6	Total	O	0	0
			6	6		
61	1X	8	Total	O	0	0
			8	8		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	1Y	4	Total 4	O 4	0	0
61	1Z	1	Total 1	O 1	0	0
61	10	14	Total 14	O 14	0	0
61	11	11	Total 11	O 11	0	0
61	12	4	Total 4	O 4	0	0
61	13	6	Total 6	O 6	0	0
61	14	1	Total 1	O 1	0	0
61	15	5	Total 5	O 5	0	0
61	16	5	Total 5	O 5	0	0
61	17	7	Total 7	O 7	0	0
61	18	9	Total 9	O 9	0	0
61	19	1	Total 1	O 1	0	0
61	1a	410	Total 410	O 410	0	0
61	1b	1	Total 1	O 1	0	0
61	1d	1	Total 1	O 1	0	0
61	1e	1	Total 1	O 1	0	0
61	1i	1	Total 1	O 1	0	0
61	1l	7	Total 7	O 7	0	0
61	1m	3	Total 3	O 3	0	0
61	1o	2	Total 2	O 2	0	0
61	1p	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	1q	2	Total 2	O 2	0	0
61	1u	1	Total 1	O 1	0	0
61	1v	6	Total 6	O 6	0	0
61	1w	21	Total 21	O 21	0	0
61	1x	15	Total 15	O 15	0	0
61	1y	2	Total 2	O 2	0	0
61	2A	1381	Total 1381	O 1381	0	0
61	2B	24	Total 24	O 24	0	0
61	2D	25	Total 25	O 25	0	0
61	2E	16	Total 16	O 16	0	0
61	2F	13	Total 13	O 13	0	0
61	2I	2	Total 2	O 2	0	0
61	2N	1	Total 1	O 1	0	0
61	2O	2	Total 2	O 2	0	0
61	2P	16	Total 16	O 16	0	0
61	2Q	3	Total 3	O 3	0	0
61	2R	3	Total 3	O 3	0	0
61	2T	4	Total 4	O 4	0	0
61	2U	4	Total 4	O 4	0	0
61	2V	1	Total 1	O 1	0	0
61	2W	3	Total 3	O 3	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	2X	5	Total 5	O 5	0	0
61	2Y	1	Total 1	O 1	0	0
61	2Z	2	Total 2	O 2	0	0
61	20	3	Total 3	O 3	0	0
61	21	12	Total 12	O 12	0	0
61	22	2	Total 2	O 2	0	0
61	23	2	Total 2	O 2	0	0
61	25	6	Total 6	O 6	0	0
61	27	3	Total 3	O 3	0	0
61	28	6	Total 6	O 6	0	0
61	29	1	Total 1	O 1	0	0
61	2a	366	Total 366	O 366	0	0
61	2d	3	Total 3	O 3	0	0
61	2e	3	Total 3	O 3	0	0
61	2g	1	Total 1	O 1	0	0
61	2i	1	Total 1	O 1	0	0
61	2j	4	Total 4	O 4	0	0
61	2l	6	Total 6	O 6	0	0
61	2o	2	Total 2	O 2	0	0
61	2p	3	Total 3	O 3	0	0
61	2q	1	Total 1	O 1	0	0

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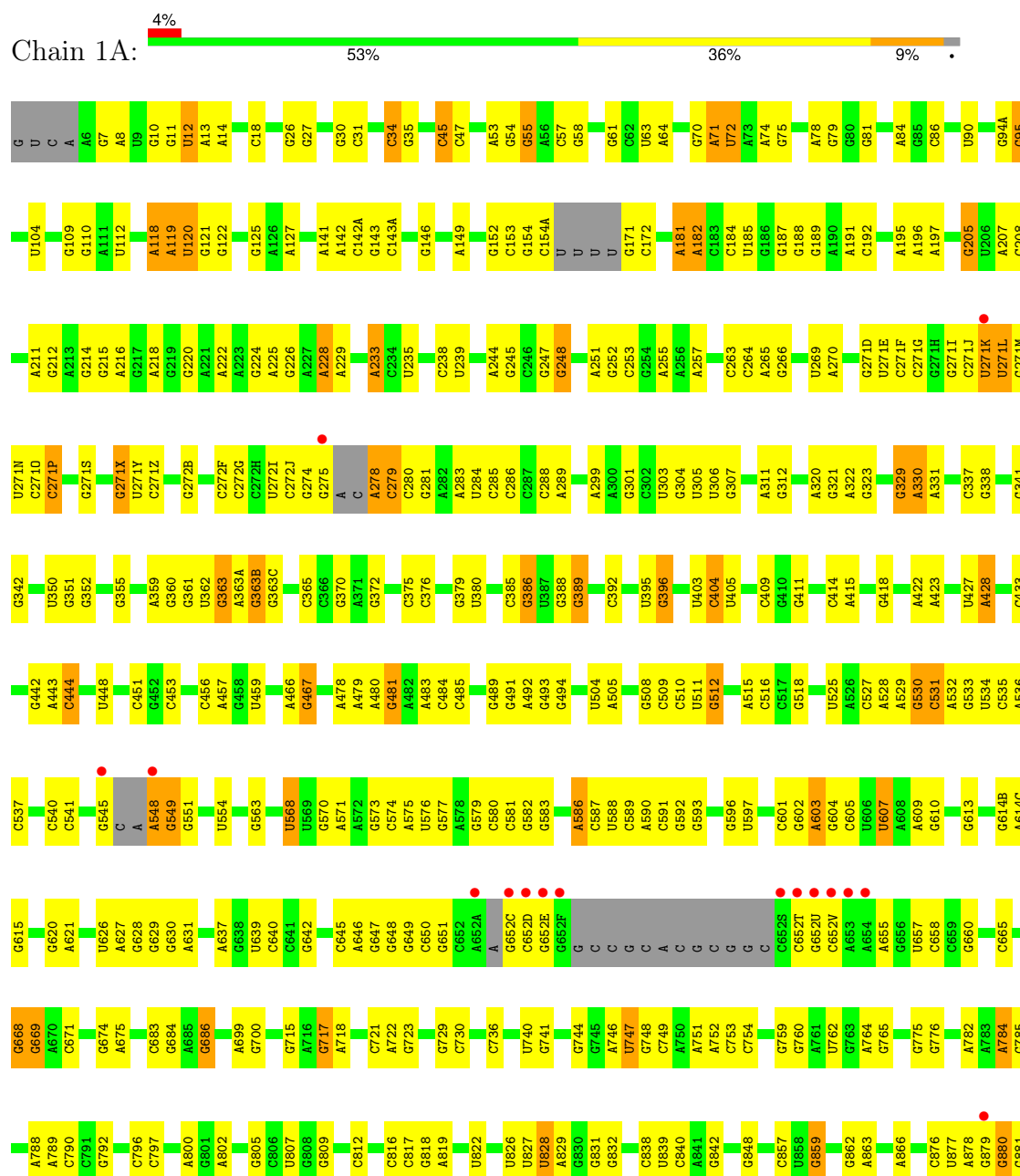
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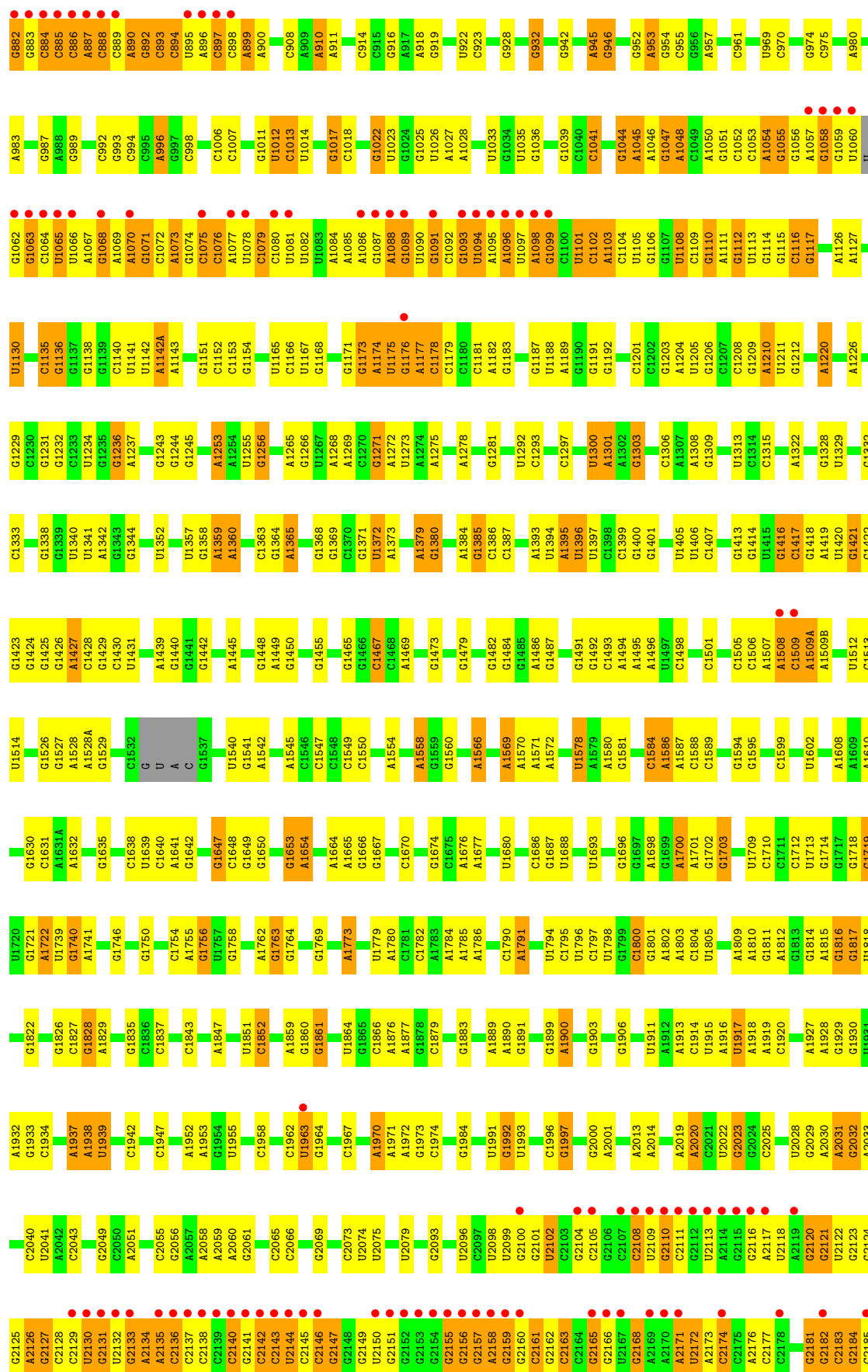
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	2r	1	Total	O	0	0
			1	1		
61	2t	3	Total	O	0	0
			3	3		
61	2v	2	Total	O	0	0
			2	2		
61	2w	1	Total	O	0	0
			1	1		
61	2x	9	Total	O	0	0
			9	9		
61	2y	20	Total	O	0	0
			20	20		

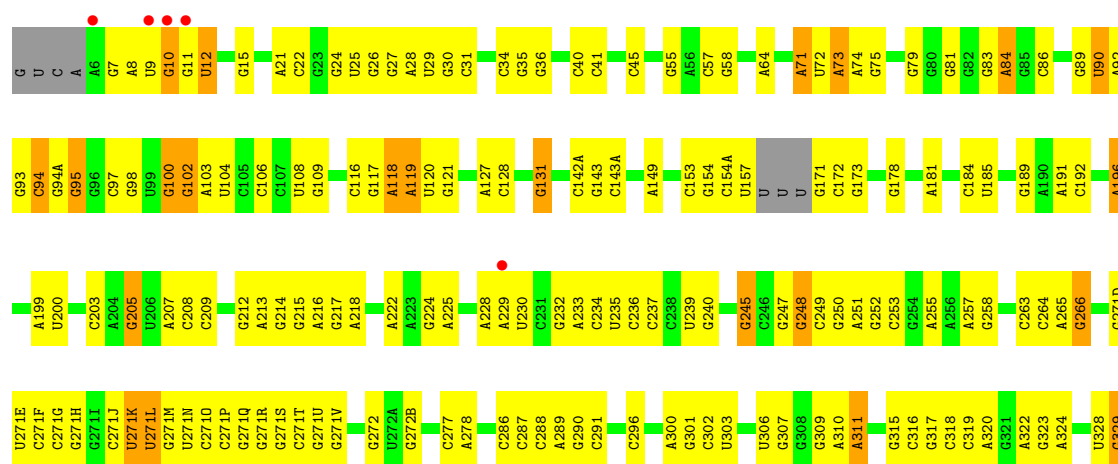
3 Residue-property plots

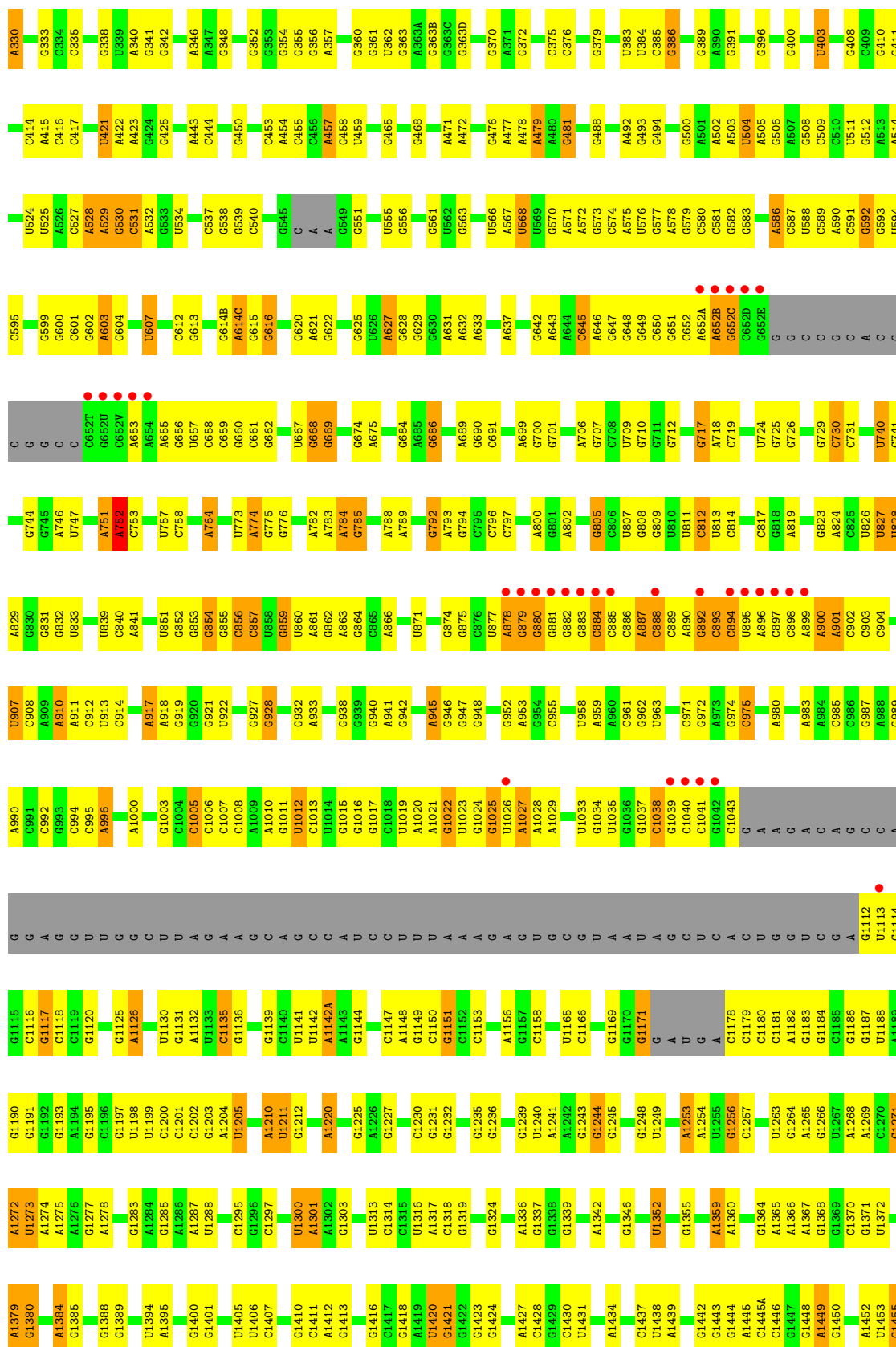
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density.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

• Molecule 1: 23S Ribosomal RNA

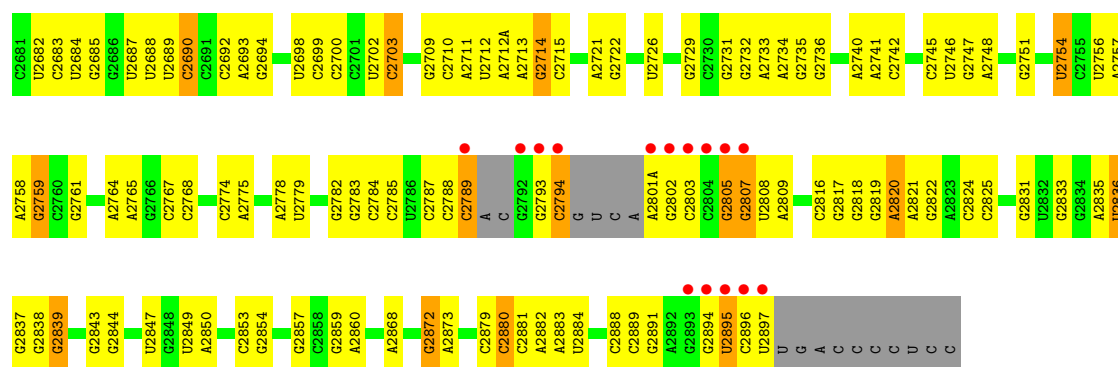






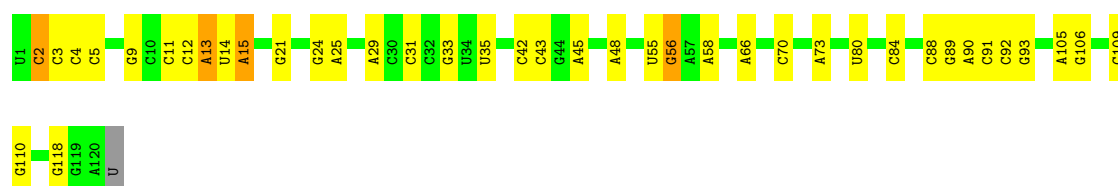


G2592	G2512	A2435	G2354	A2267	G2185	C2105	A2033	U1931	G1747A	A1641	G1541	G1460
U2593	G2513	U2438	G2355	A2268	G2166	G2106	U2034	A1932	G1748	G1642	A1542	G1461
A2600	G2516	U2439	G2356	A2269	U2167	C2107	G2035	G1933	C1752	G1645	C1543	C1462
A2601	G2517	A2440	U2357	A2270	U2168	U2108	C2036	A1934	G1753	G1646	A1544	C1463
A2602	G2518	C2441	G2358	G2271	U2169	U2109	G2037	A1935	C1754	G1647	A1545	G1464
G2603	A2519	C2442	G2359	U2272	A2171	C2111	G2038	A1936	G1755	G1648	C1546	G1465
U2604	G2520	G2447	G2360	A2273	U2172	C2112	C2040	U1938	U1756	G1649	C1547	G1466
U2605	G2521	A2448	G2361	A2274	A2173	U2113	U2041	U1939	G1650	G1650	C1557	C1467
C2606	G2526	G2451	A2369	G2275	C2174	A2114	C2042	C1942	G1758	G1651	A1558	
U2609	U2527	G2454	G2370	A2277	C2175	G2115	C2043	C1943	A1759	G1652	G1559	A1471
G2610	U2528	G2454	G2371	A2278	C2177	G2116	G2046	A1952	A1762	G1653	A1566	C1474
U2611	G2529	G2454	G2372	G2282	C2178	U2118	G2049	G1953	G1763	G1654	A1567	
U2612	A2530	A2459	G2373	G2283	G2181	A2119	C2050	U1955	G1764	C1657	A1569	G1477
U2613	A2531	U2460	G2374	A2284	C2182	G2120	A2051	C1958	C1658	C1658	A1578	G1478
C2614	A2532	A2461	A2376	A2285	G2183	U2121	G2052	A1847	U1578	G1479	A1579	G1480
U2615	A2533	U2462	A2377	A2286	C2184	U2122	A2053	A1848	A1580	G1481	A1580	U1481
C2616	U2537	C2463	A2378	A2287	G2185	G2123	G2054	C1962	G1581	G1482	G1581	G1482
U2617	C2538	C2464	C2379	G2291	C2186	G2124	A2054	U1963	A1773		C1582	
	G2539	C2465	C2380	C2292	G2187	G2125	G2055	C1967	U1777	G1487	A1583	G1488
A2629	C2540	C2466	G2381	C2293	C2188	A2126	A2056	A1853	U1778	C1670	C1584	U1489
G2630	A2541	C2467	G2382	A2298	U2189	C2128	A2057	G1857	U1779	U1671	A1586	A1490
G2631	A2542	G2468	G2383	G2299	G2190	U2129	A2058	A1970	A1780			G1491
	G2543	A2469	G2384	G2300	G2191	C2130	A2059	A1971	C1781			G1492
G2634	G2544	G2470	C2385	G2301	G2192	U2132	A2060	A1972	G1674			G1493
G2635		G2471	G2386	A2305	G2193	G2133	G2061	G1973	C1675			G1494
A2639	G2549	G2472	G2387	A2306	A2198	A2134	C2062	C1983	C1591			G1495
G2640	U2550		G2388	G2307	G2203	G2135	C2063	A1890	G1696			A1508
G2641	U2551	C2475	C2389	G2308	U2205	A2136	C2064	G1791	G1697			C1509
G2645	G2552	A2476	G2390	G2309	G2206	C2137		A1899	A1698			A1509A
G2646	U2553	A2477	G2391	C2316	U2207	G2138		G1997	G1699			
U2647	U2554	G2478	G2392	G2317	A2208	U1993		C1999	A1700			U1514
	G2555	G2479	C2403	G2318	G2218	C2139		G2000	A1701			G1515
	G2556	C2480	U2406	G2319	U2218	G2140		A2001	G1702			C1516
G2651	G2557	G2481	G2407	A2320	G2218	C2141		C2002	G1703			G1517
	C2558	G2482	G2410	G2325	A2225	C2142		G2010	G1704			U1518
G2654	G2559	C2483	A2411	G2326	U2232	G2143		U2011	G1705			G1519
	U2560	G2484	A2412	A2327	U2233	U2144		G2012	G1706			A1528
C2658	A2561	G2485	G2413	G2328	G2234	C2145		A2013	G1707			A1529
A2660	A2564	G2486	G2414	G2329	U2234	C2146		A2014	G1708			C1530
G2661	G2565		G2415	G2330	G2238	G2147		U2017	G1709			C1531
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G2663	G2567	U2492	G2420	U2332	U2240	U2150		A2019	G1711			C1533
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C2680		G2507	A2432	C2350	G2259	G2161		A1927	G1723			
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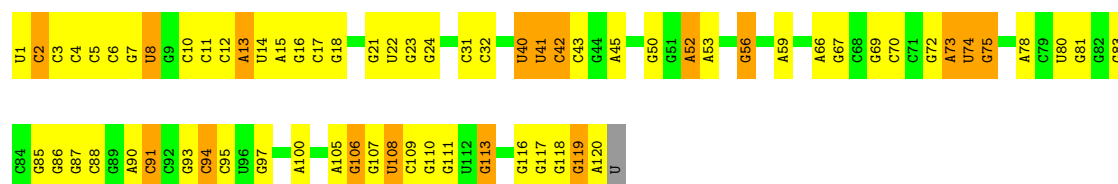
• Molecule 2: 5S Ribosomal RNA

Chain 1B: 66% 30% ..



• Molecule 2: 5S Ribosomal RNA

Chain 2B: 42% 43% 14% .



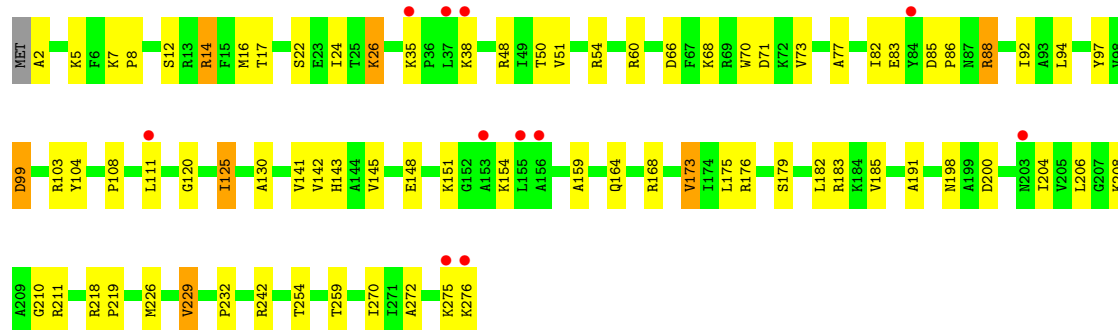
• Molecule 3: 50S ribosomal protein L2

Chain 1D: % 70% 28% .



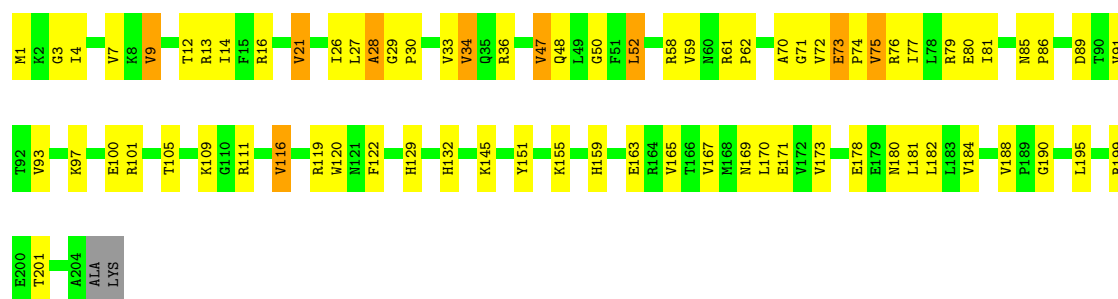
• Molecule 3: 50S ribosomal protein L2

Chain 2D: 4% 72% 25% .



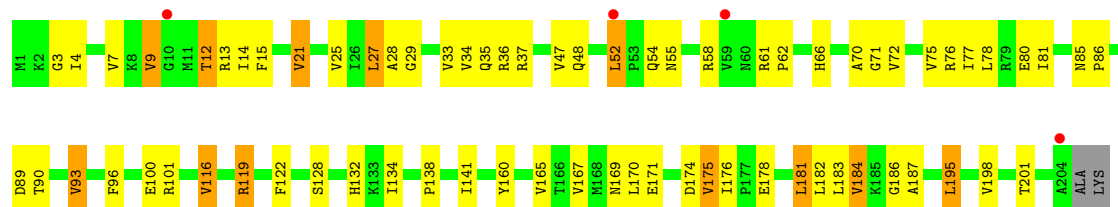
• Molecule 4: 50S ribosomal protein L3

Chain 1E: 63% 32% . .



• Molecule 4: 50S ribosomal protein L3

Chain 2E: 2% 65% 29% 6% .

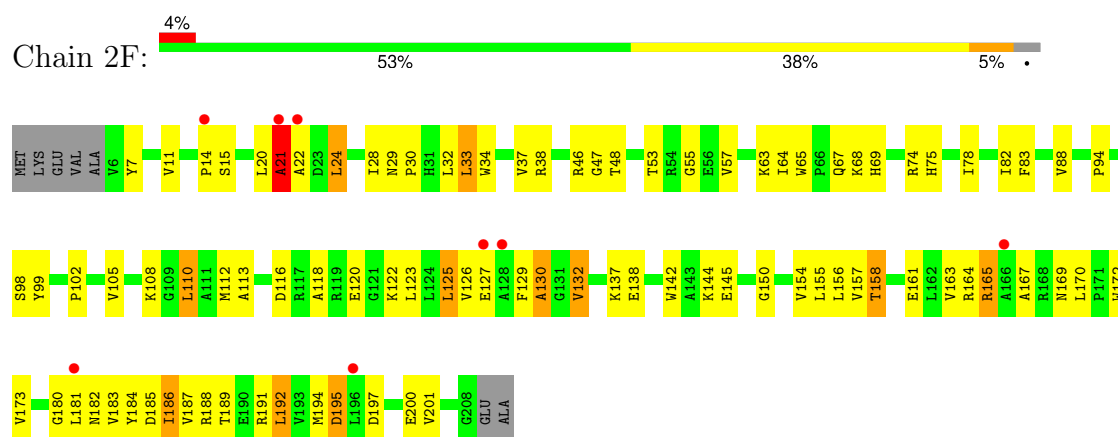


• Molecule 5: 50S ribosomal protein L4

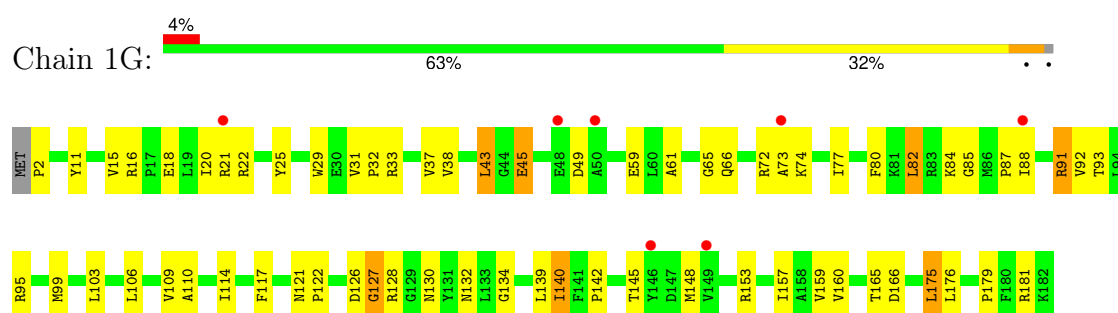
Chain 1F: % 63% 30% . .



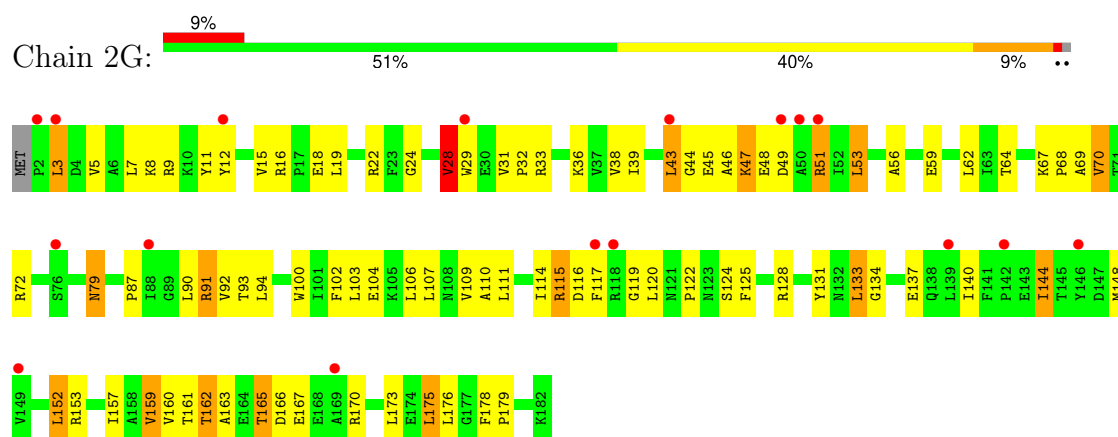
• Molecule 5: 50S ribosomal protein L4



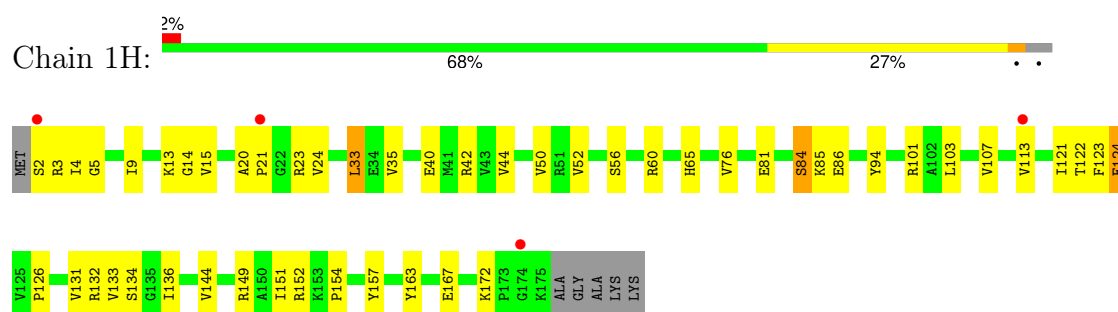
• Molecule 6: 50S ribosomal protein L5



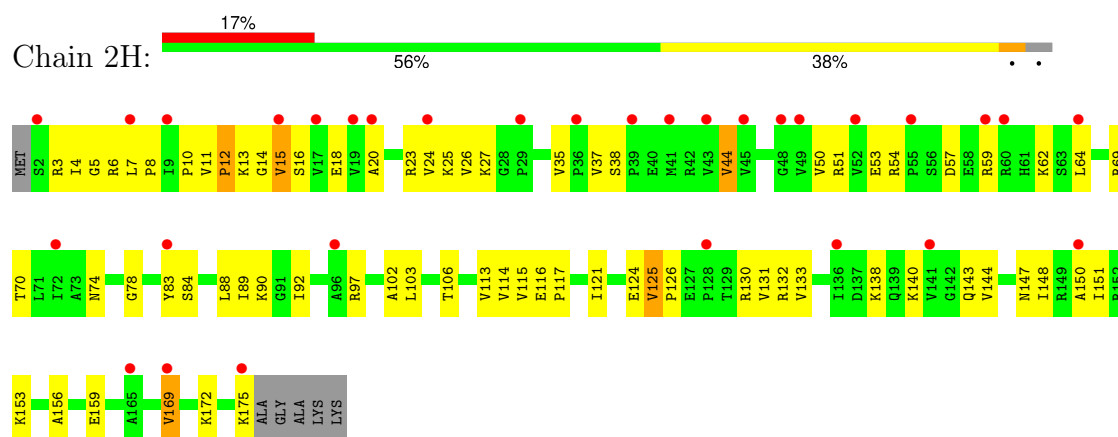
• Molecule 6: 50S ribosomal protein L5



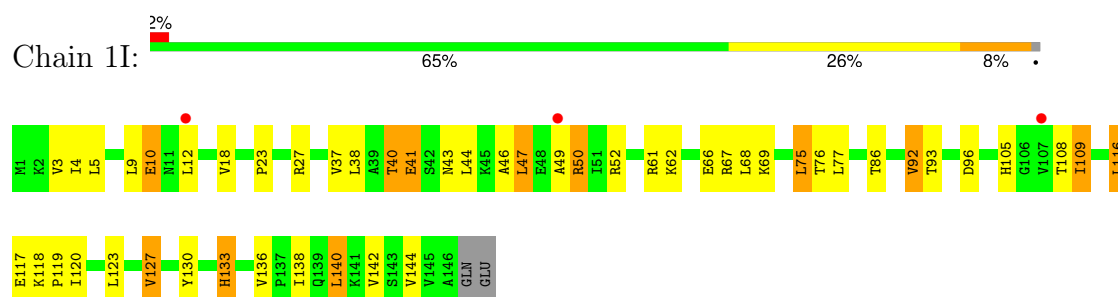
• Molecule 7: 50S ribosomal protein L6



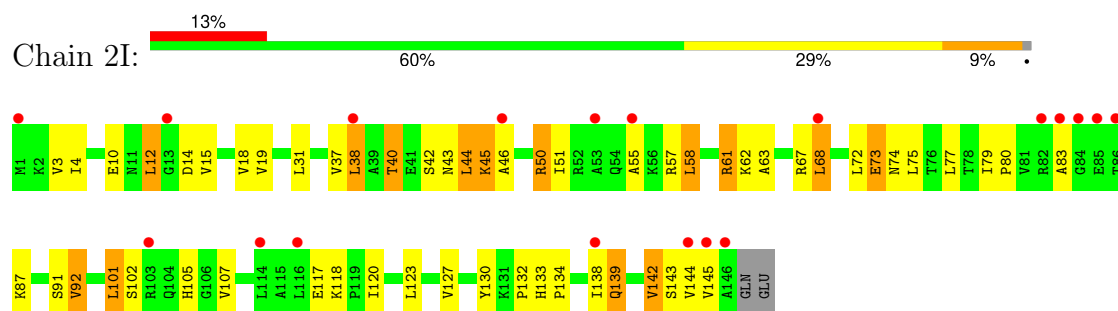
• Molecule 7: 50S ribosomal protein L6



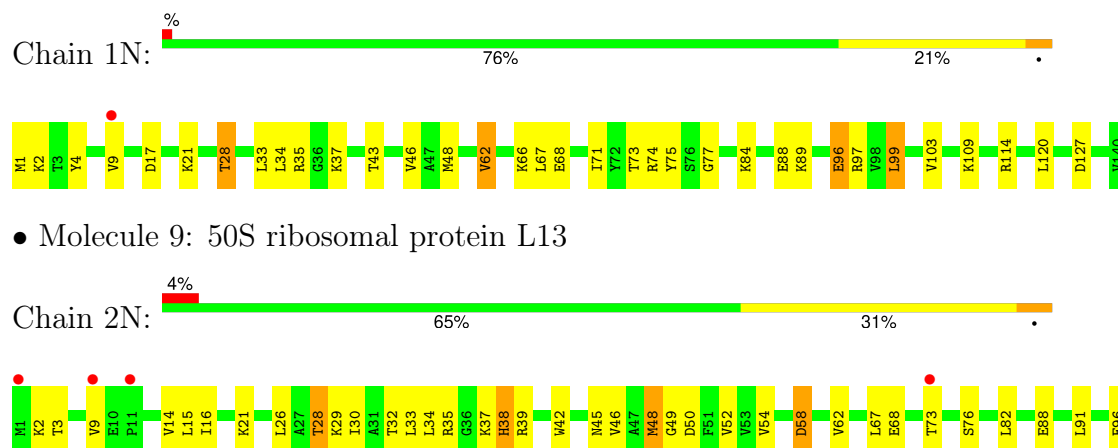
• Molecule 8: 50S ribosomal protein L9



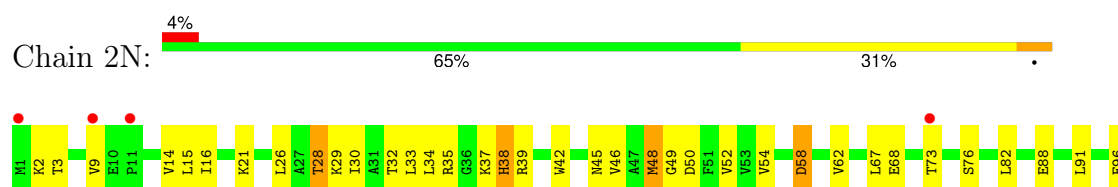
• Molecule 8: 50S ribosomal protein L9



• Molecule 9: 50S ribosomal protein L13

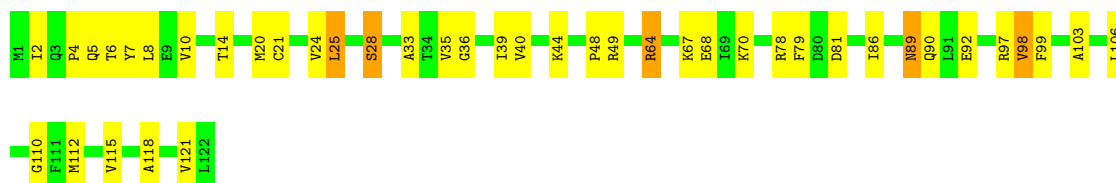


• Molecule 9: 50S ribosomal protein L13

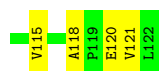
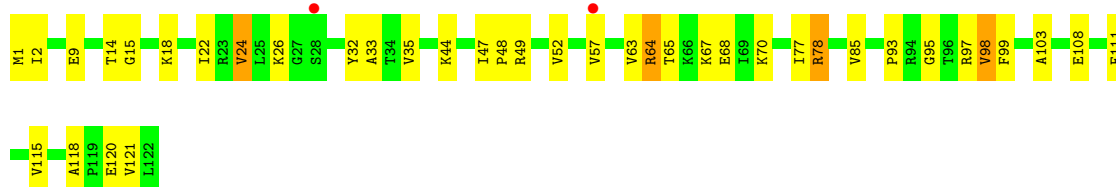




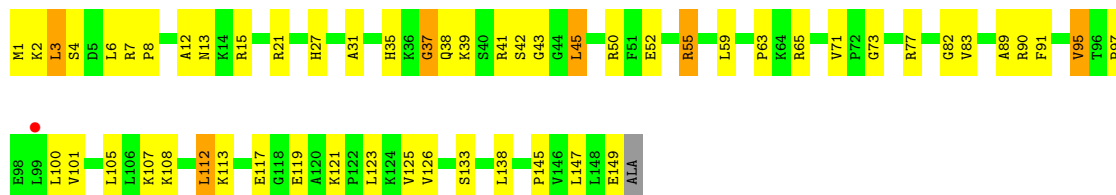
- Molecule 10: 50S ribosomal protein L14



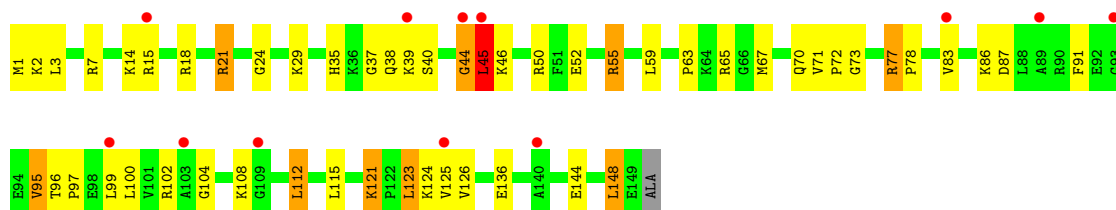
- Molecule 10: 50S ribosomal protein L14



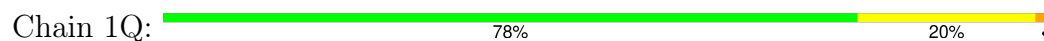
- Molecule 11: 50S ribosomal protein L15

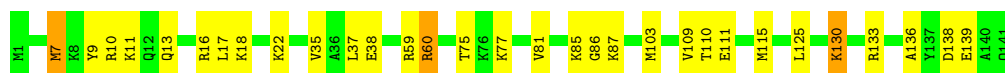


- Molecule 11: 50S ribosomal protein L15

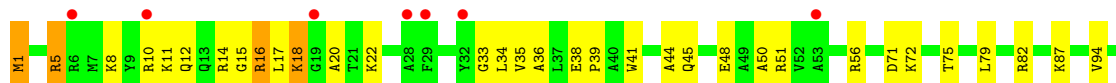


- Molecule 12: 50S ribosomal protein L16

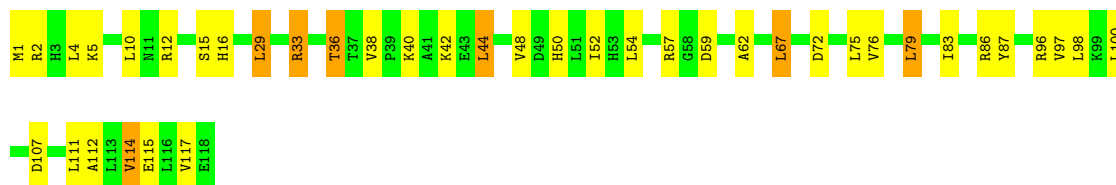




- Molecule 12: 50S ribosomal protein L16



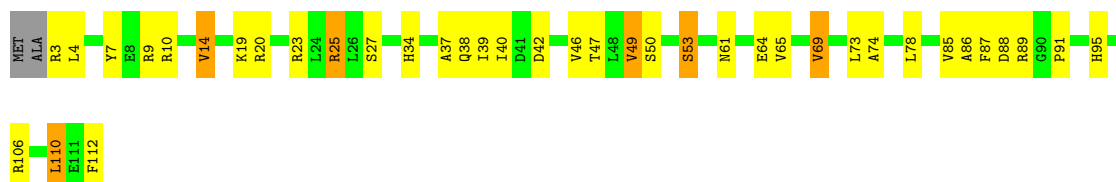
- Molecule 13: 50S ribosomal protein L17



- Molecule 13: 50S ribosomal protein L17

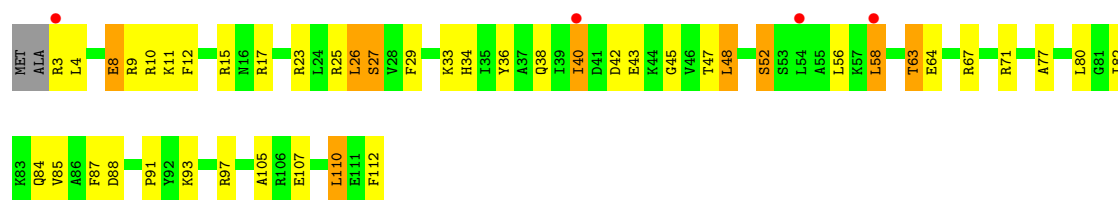


- Molecule 14: 50S ribosomal protein L18

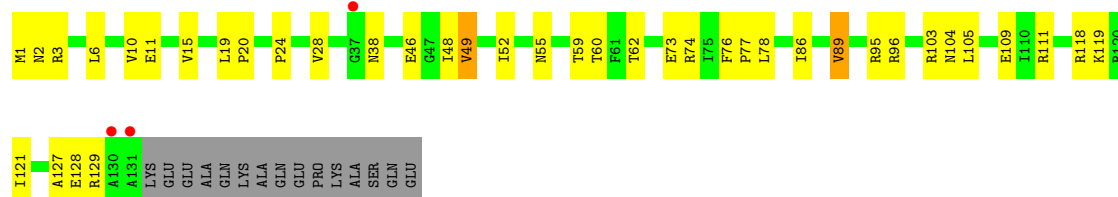


- Molecule 14: 50S ribosomal protein L18

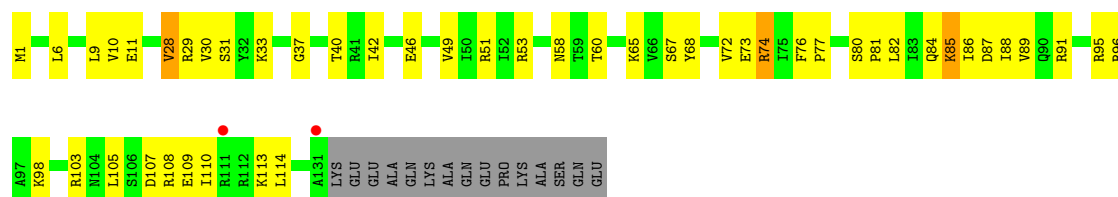




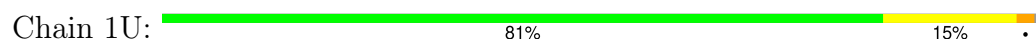
- Molecule 15: 50S ribosomal protein L19



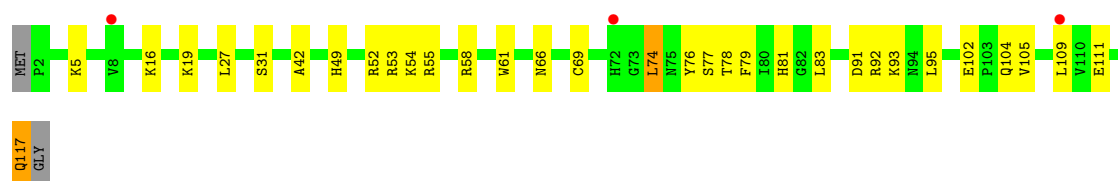
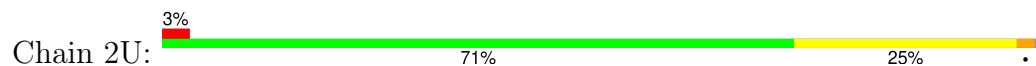
- Molecule 15: 50S ribosomal protein L19



- Molecule 16: 50S ribosomal protein L20



- Molecule 16: 50S ribosomal protein L20



- Molecule 17: 50S ribosomal protein L21

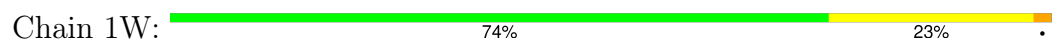




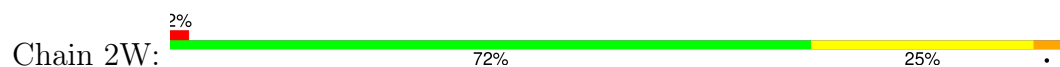
- Molecule 17: 50S ribosomal protein L21



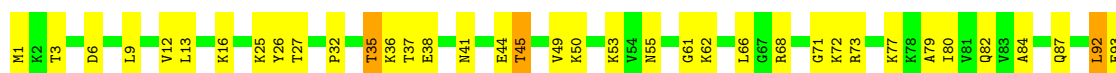
- Molecule 18: 50S ribosomal protein L22



- Molecule 18: 50S ribosomal protein L22



- Molecule 19: 50S ribosomal protein L23



- Molecule 19: 50S ribosomal protein L23

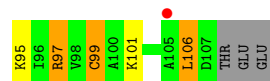
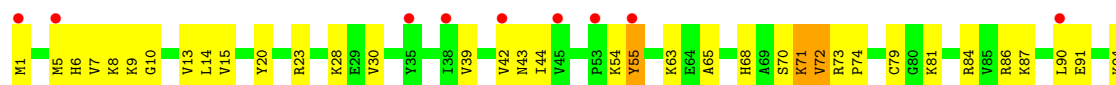


- Molecule 20: 50S ribosomal protein L24

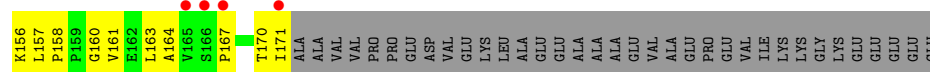
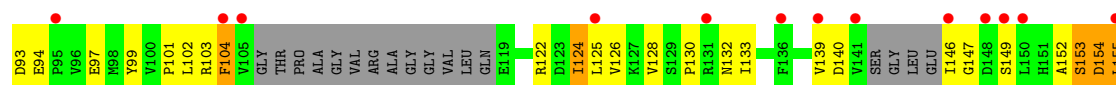
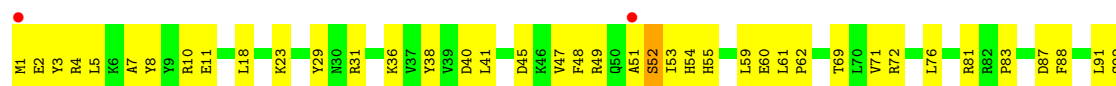




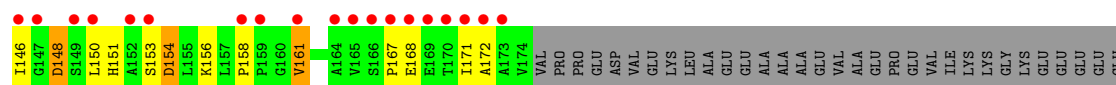
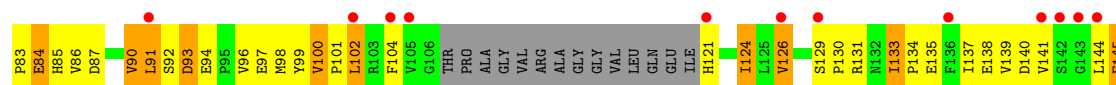
- Molecule 20: 50S ribosomal protein L24



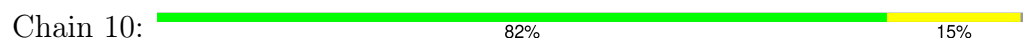
- Molecule 21: 50S ribosomal protein L25



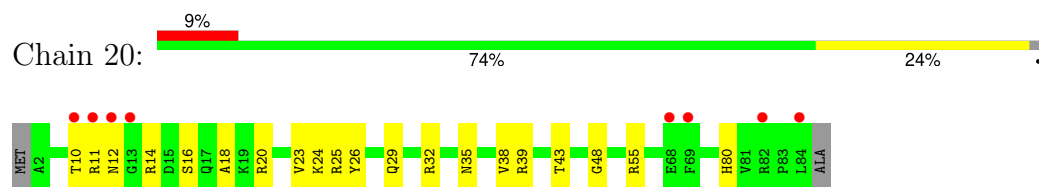
- Molecule 21: 50S ribosomal protein L25



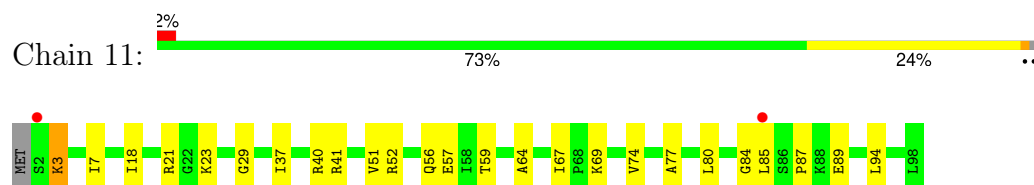
- Molecule 22: 50S ribosomal protein L27



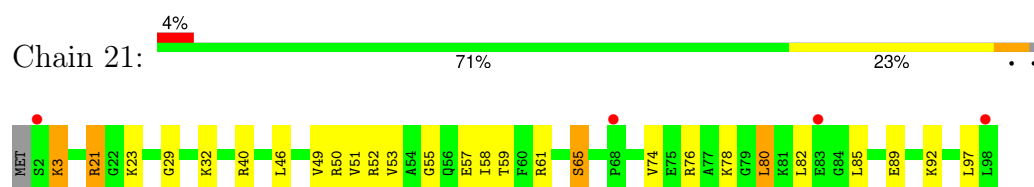
- Molecule 22: 50S ribosomal protein L27



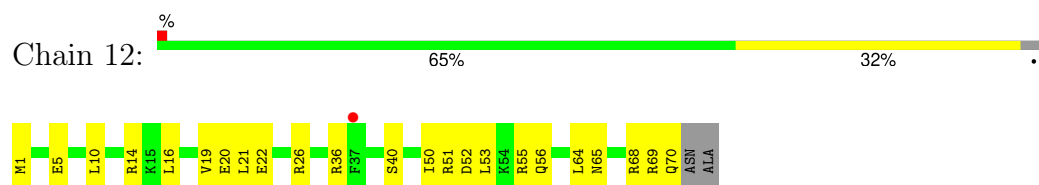
- Molecule 23: 50S ribosomal protein L28



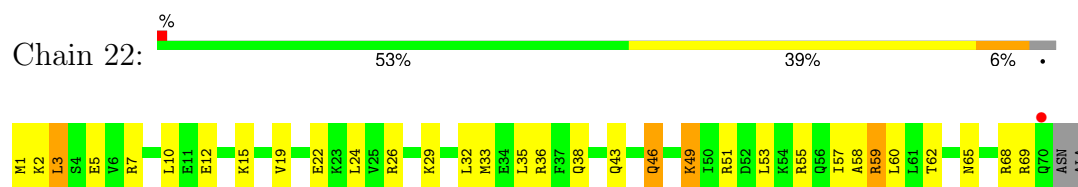
- Molecule 23: 50S ribosomal protein L28



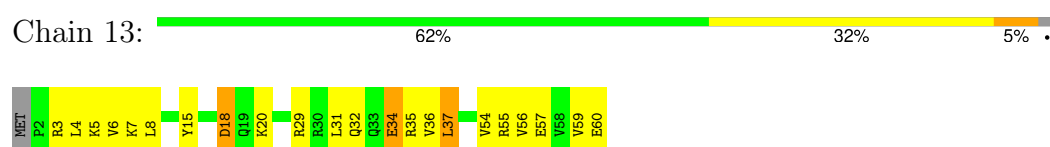
- Molecule 24: 50S ribosomal protein L29



- Molecule 24: 50S ribosomal protein L29

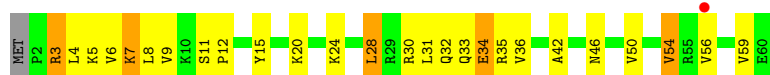


- Molecule 25: 50S ribosomal protein L30



- Molecule 25: 50S ribosomal protein L30





- Molecule 26: 50S ribosomal protein L31



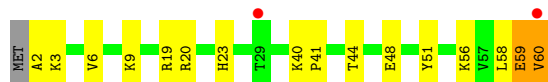
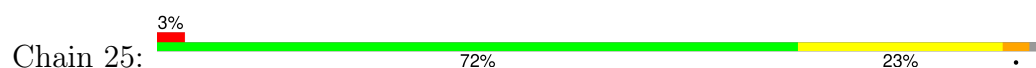
- Molecule 26: 50S ribosomal protein L31



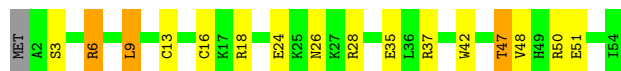
- Molecule 27: 50S ribosomal protein L32



- Molecule 27: 50S ribosomal protein L32



- Molecule 28: 50S ribosomal protein L33



- Molecule 28: 50S ribosomal protein L33



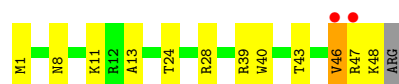
- Molecule 29: 50S ribosomal protein L34

Chain 17:  76% 22% .



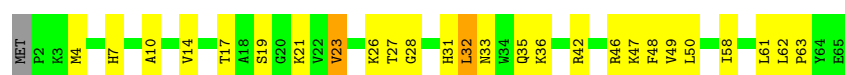
- Molecule 29: 50S ribosomal protein L34

Chain 27:  4% 73% 22% ..



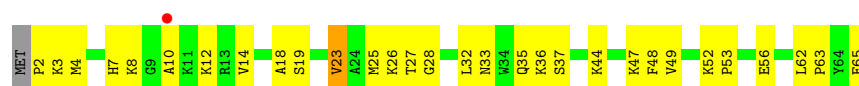
- Molecule 30: 50S ribosomal protein L35

Chain 18:  58% 37% ..



- Molecule 30: 50S ribosomal protein L35

Chain 28:  2% 52% 45% ..



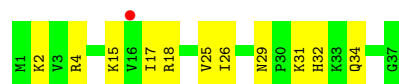
- Molecule 31: 50S ribosomal protein L36

Chain 19:  70% 27% .



- Molecule 31: 50S ribosomal protein L36

Chain 29:  3% 70% 30%

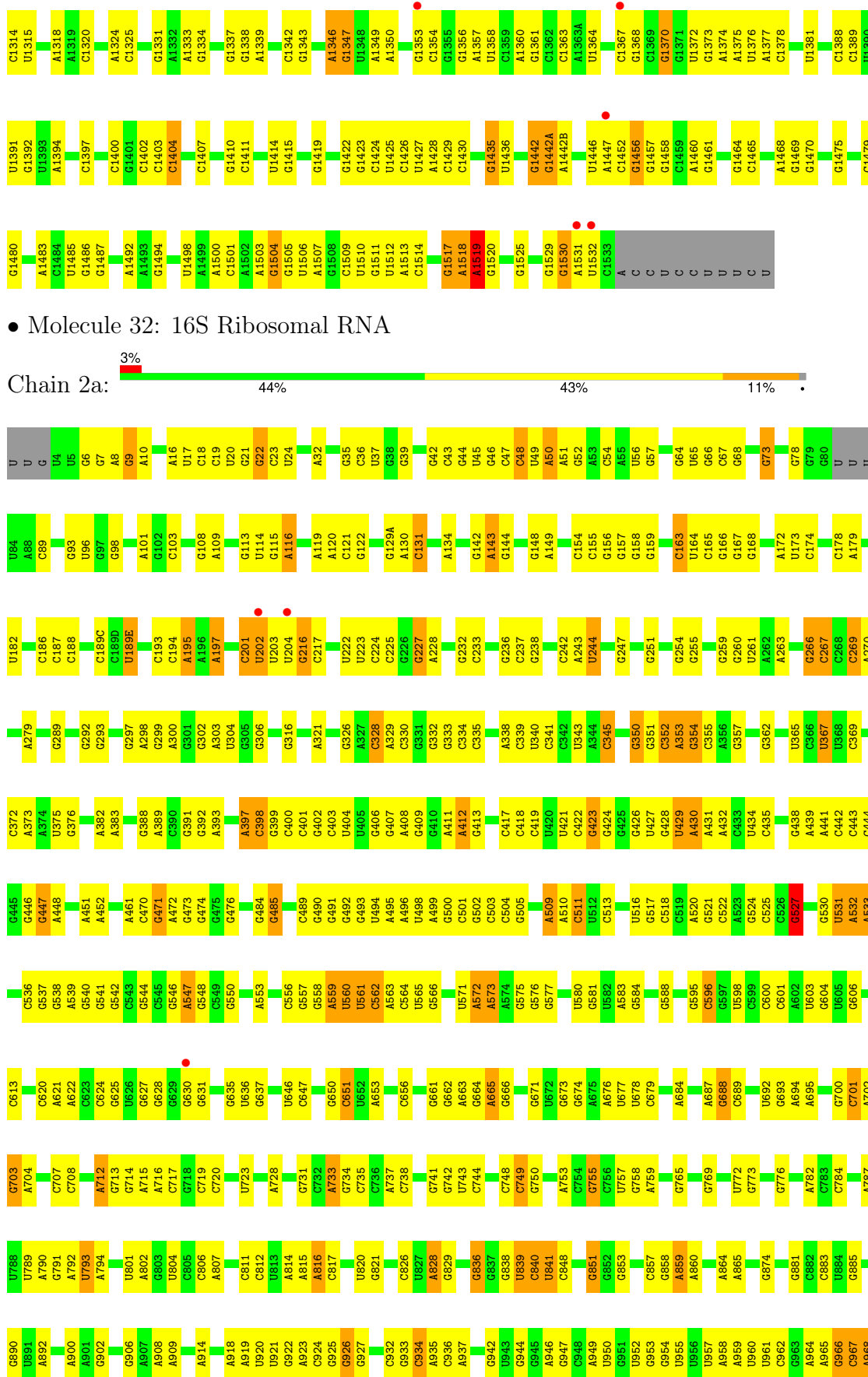


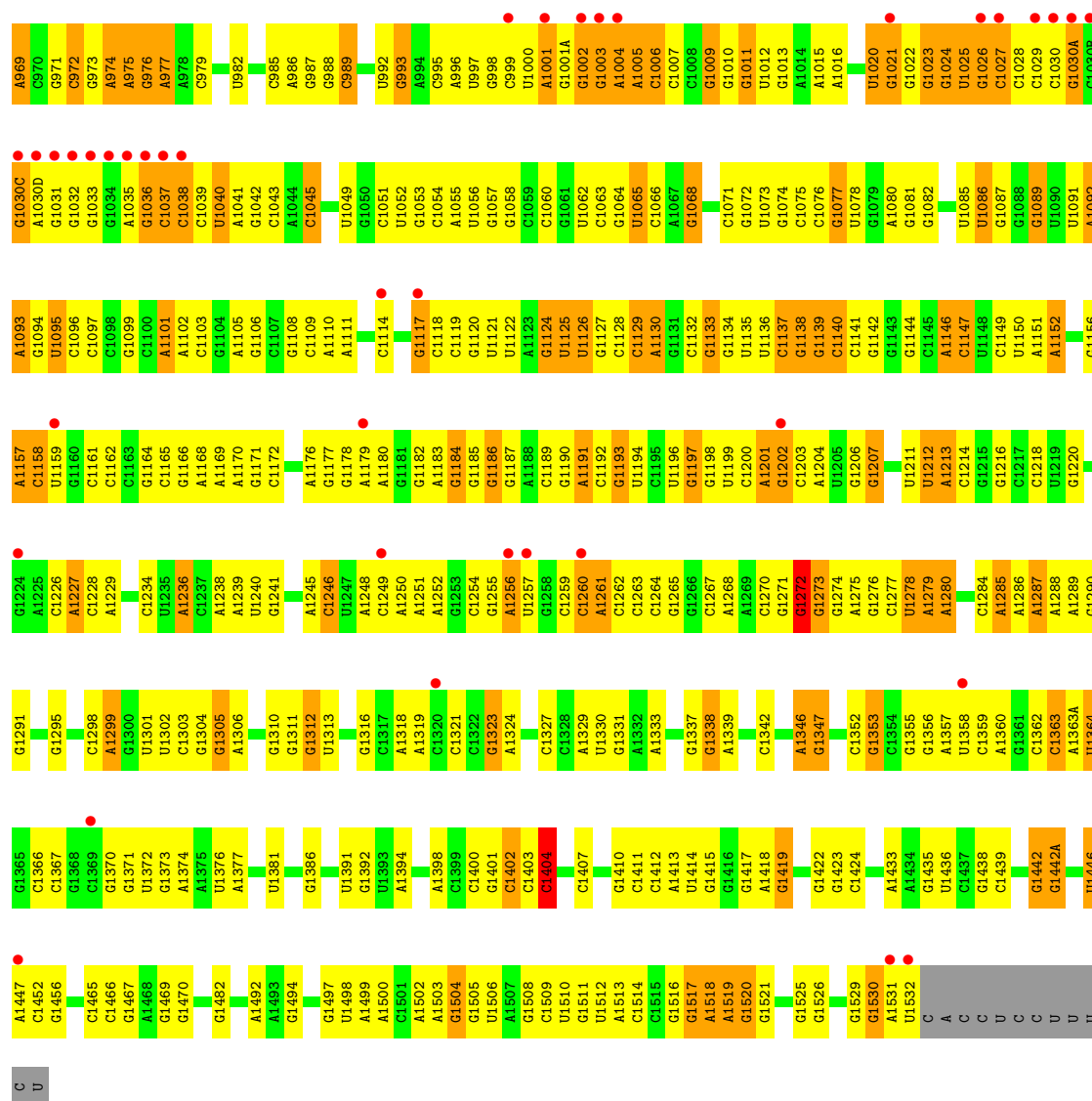
- Molecule 32: 16S Ribosomal RNA

Chain 1a:  2% 49% 40% 9% .

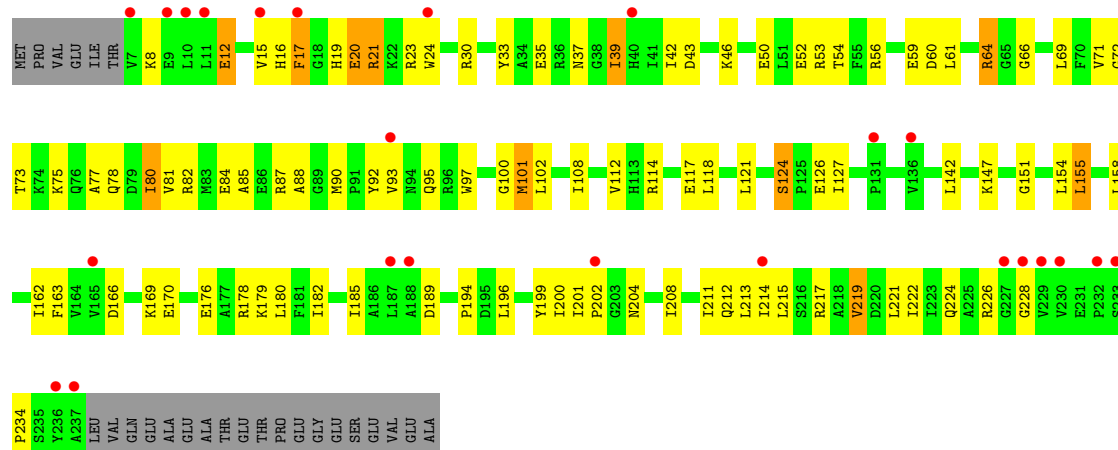


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A1256	U1078	A1015	G944	C860	G742	U671	A573	G502	G392	G310	C194	G107
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A1286	A1101	G1033	A968	U885	G776	G693	G610	C526	U427	G332	G236	G138
A1287	A1102	A1035	A969	G885	A782	A694	A611	G527	G428	G333	G247	G139
G1291	G1108	G1036	C970	G890	C783	A695	C615	G527	U429	G339	A250	G144
U1292	C1037	C1037	C972	U891	C784	U701	G616	U531	C436	U340	G251	G145
G1298	C1117	C1038	G973	A892	A787	A702	C620	A532	U437	C341	G252	G146
A1299	C1118	U1040	A975	C893	A787	A702	C620	A532	U437	C342	U253	G147
G1300	C1119	A1041	G976	A901	A792	G703	A621	C536	G438	U343	G254	G147
U1301	U1122	G1042	A977	G902	A793	A704	G625	G537	A439	A344	G255	A151
U1302	A1123	C1043	A977	G903	A794	U708	G625	G538	C442	C345	G257	A151
C1303	G1124	A1044	U981	G906	A802	G709	G628	G540	C448	G347	G258	G159
G1304	U1125	G1047	U982	G906	A803	G710	G629	G541	C448	G348	G258	A160
G1305	U1126	G1048	A983	A913	G803	G711	G630	G542	C449	G349	A262	A161
G1309	U1218	C984	C985	A913	A712	G711	G631	G543	G450	G351	A263	A162
G1310	U1219	U1049	C986	A915	A805	G713	A632	G544	A451	G352	U264	C163
G1310	G1220	G1050	A986	A916	C806	G714	A632	C545	A452	C346	G265	U164
G1310	G1221	C1051	U991	G917	A715	U716	U636	G546	C457	G347	G266	G167
G1310	C1226	G1053	U992	A918	U813	C717	G637	A547	C458	G362	C267	G168

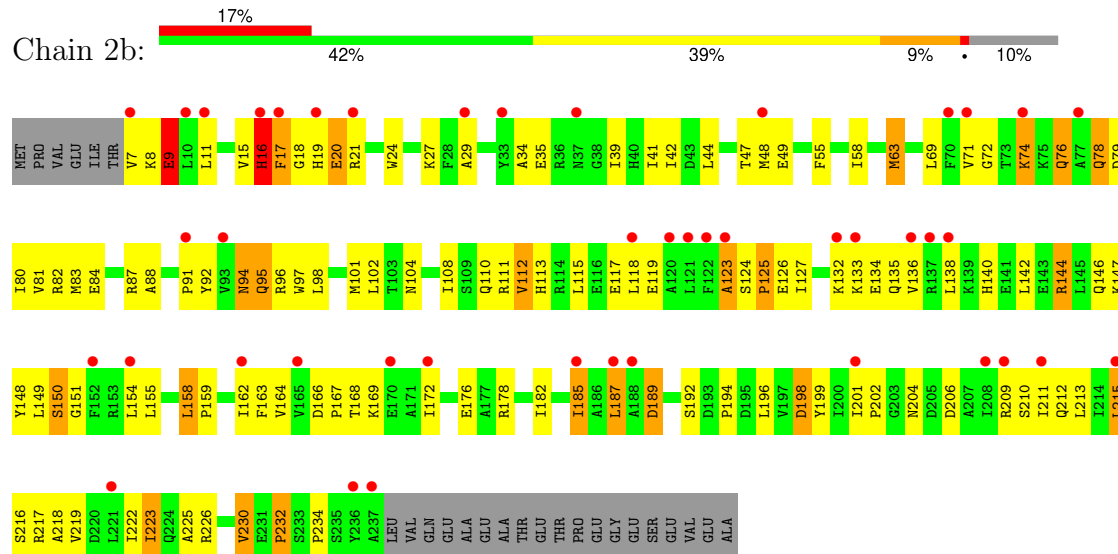




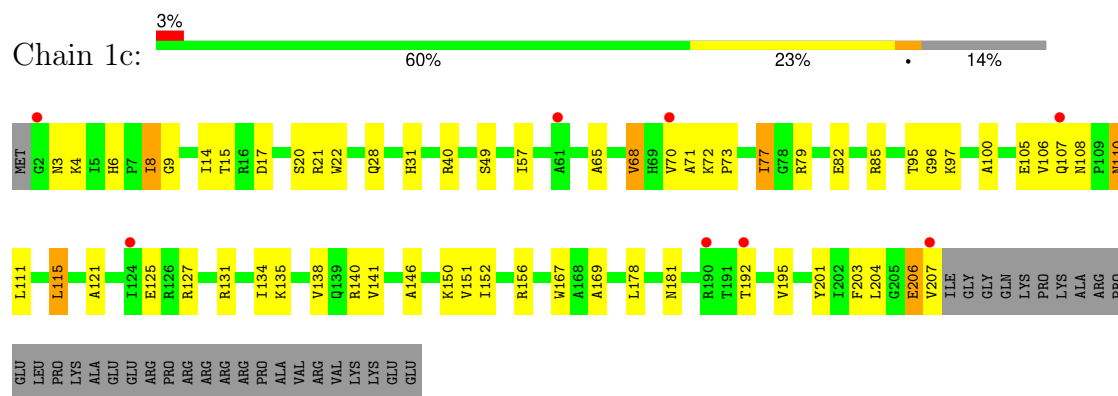
• Molecule 33: 30S ribosomal protein S2



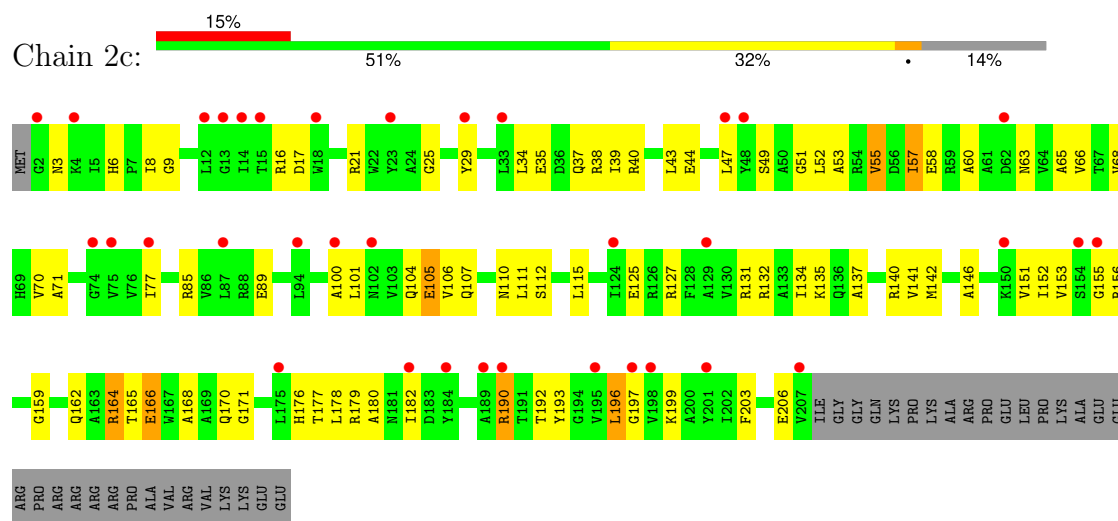
- Molecule 33: 30S ribosomal protein S2



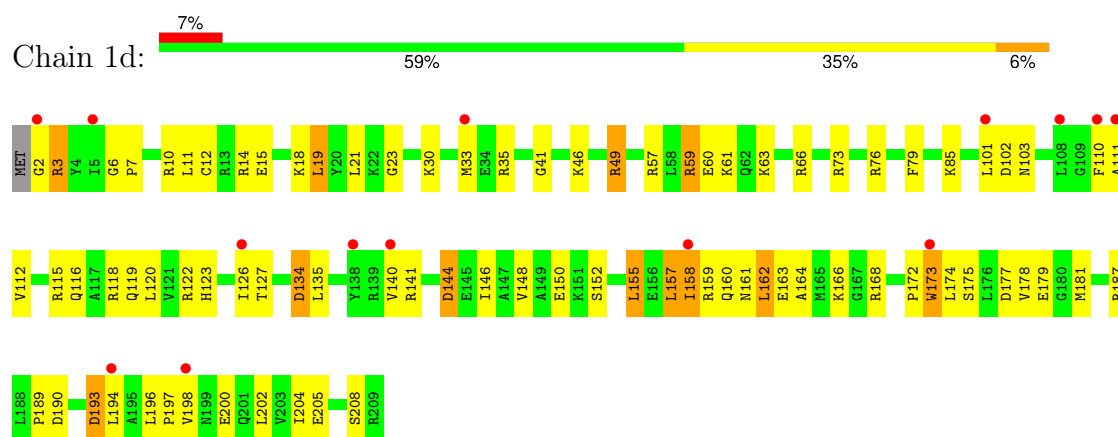
- Molecule 34: 30S ribosomal protein S3



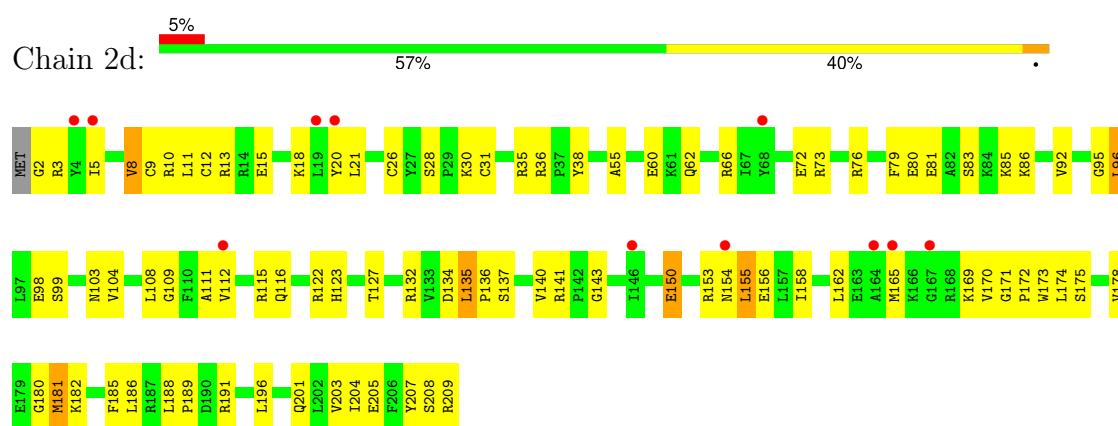
- Molecule 34: 30S ribosomal protein S3



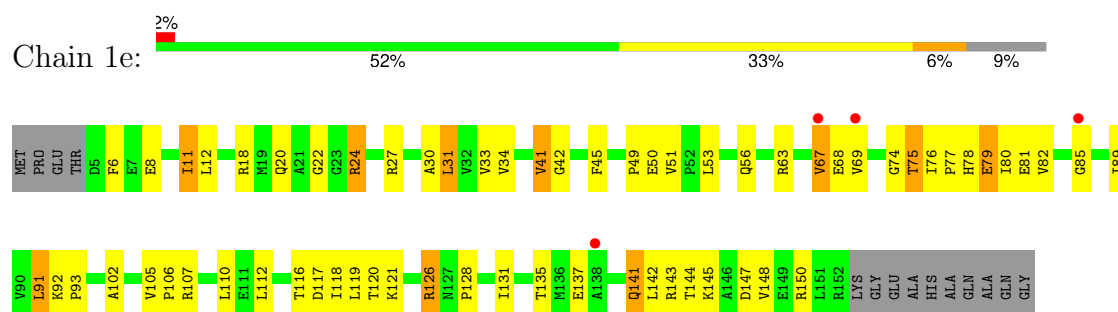
- Molecule 35: 30S ribosomal protein S4



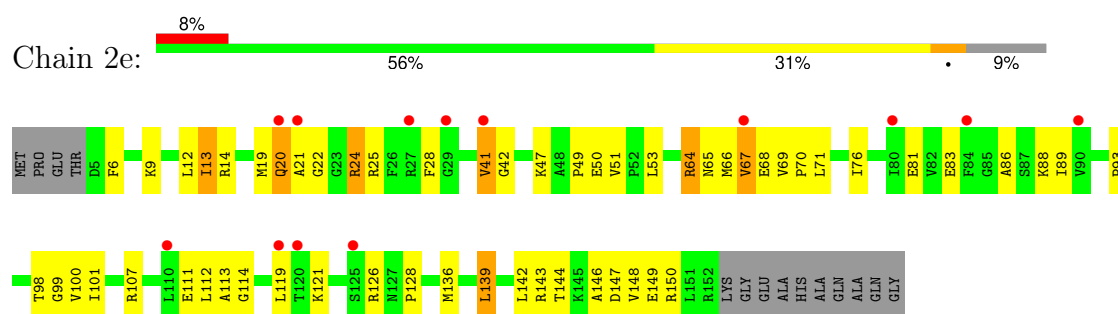
- Molecule 35: 30S ribosomal protein S4



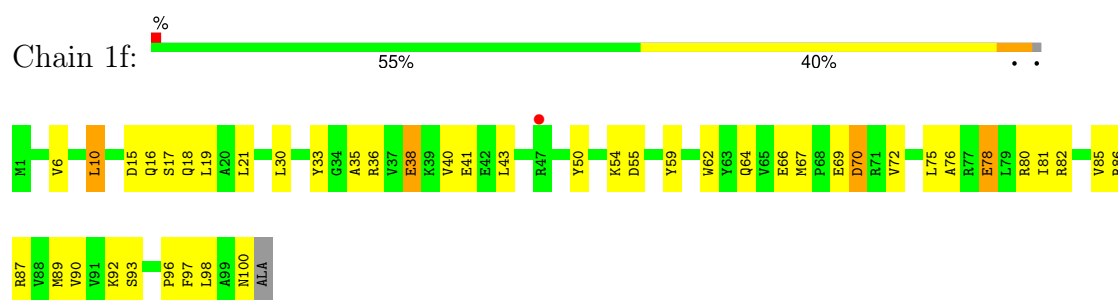
- Molecule 36: 30S ribosomal protein S5



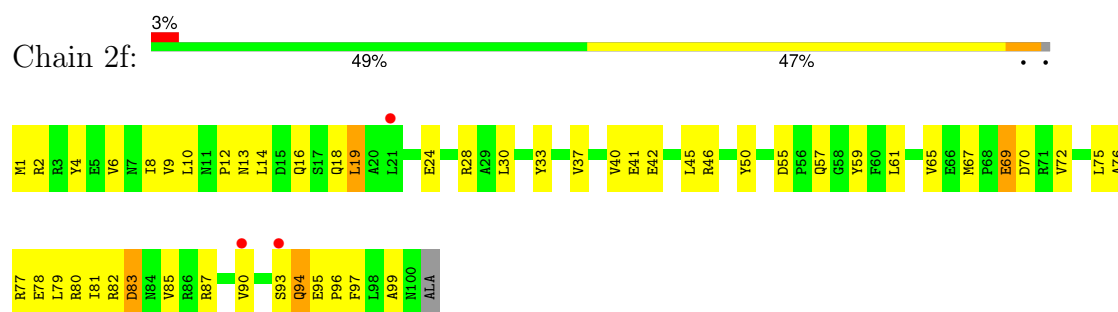
- Molecule 36: 30S ribosomal protein S5



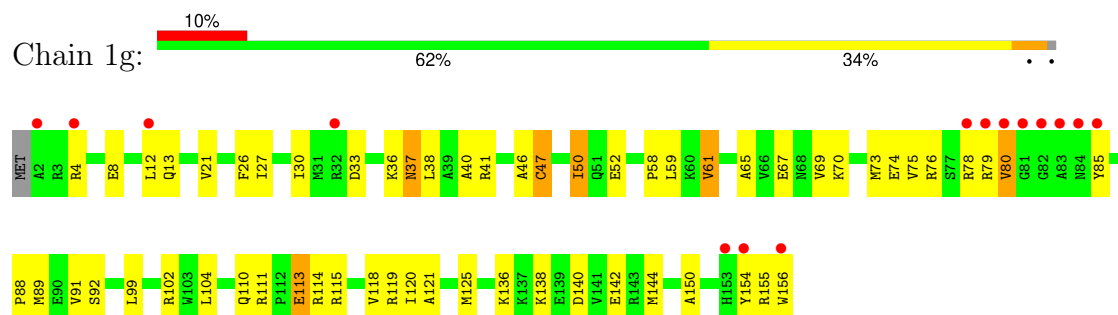
- Molecule 37: 30S ribosomal protein S6



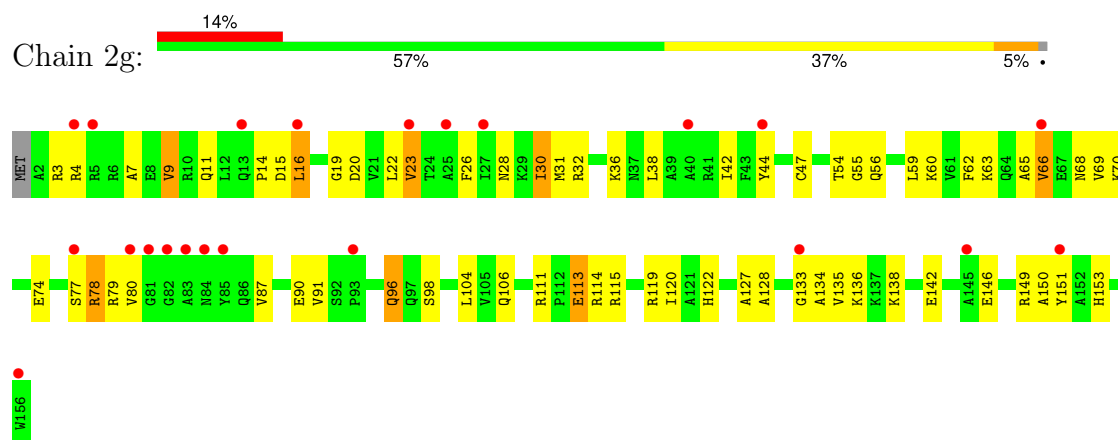
- Molecule 37: 30S ribosomal protein S6



- Molecule 38: 30S ribosomal protein S7

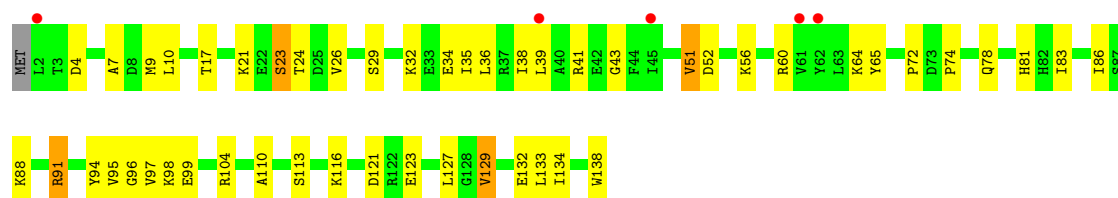


- Molecule 38: 30S ribosomal protein S7

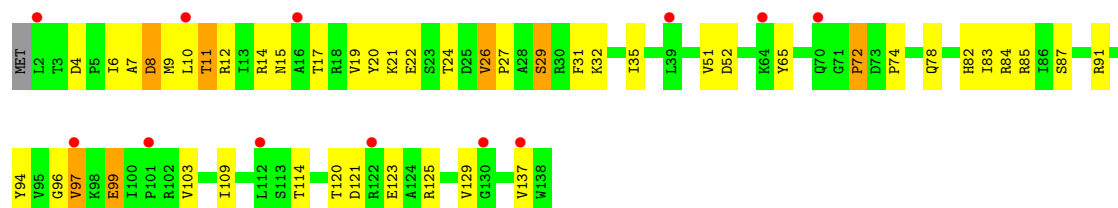


- Molecule 39: 30S ribosomal protein S8

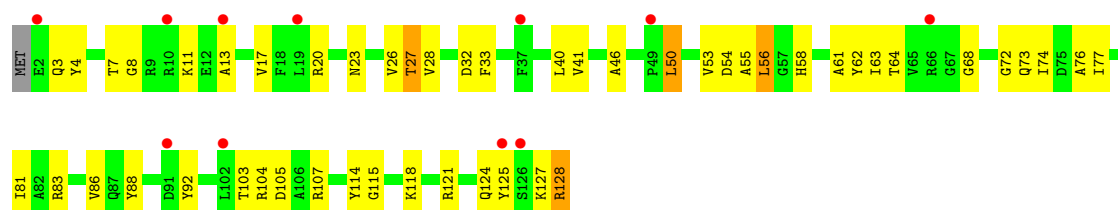




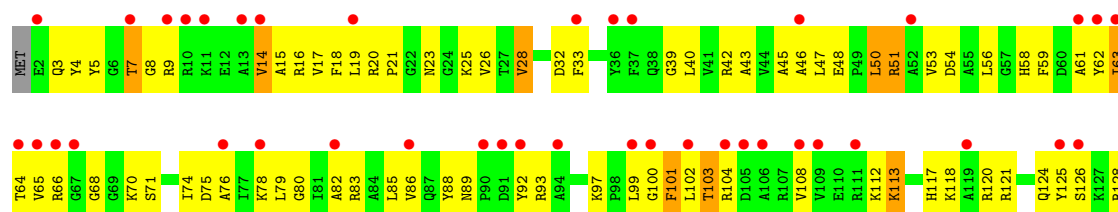
• Molecule 39: 30S ribosomal protein S8



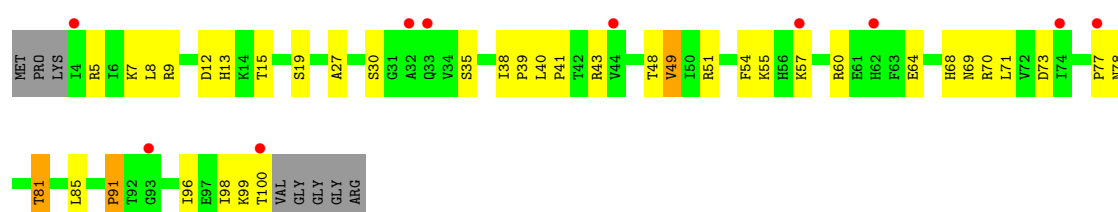
• Molecule 40: 30S ribosomal protein S9



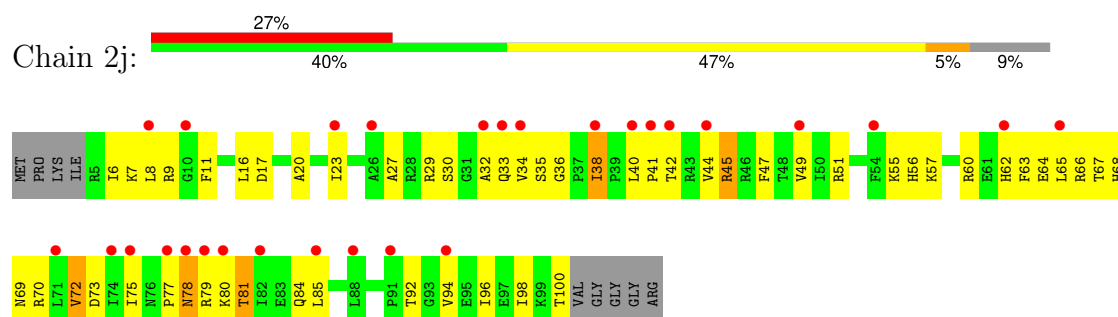
• Molecule 40: 30S ribosomal protein S9



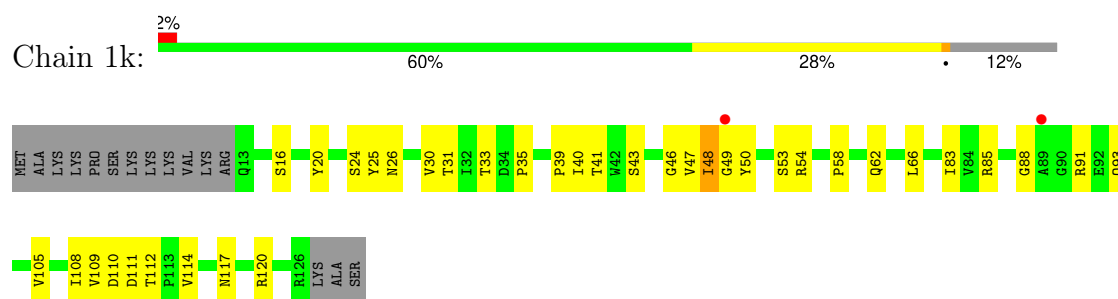
• Molecule 41: 30S ribosomal protein S10



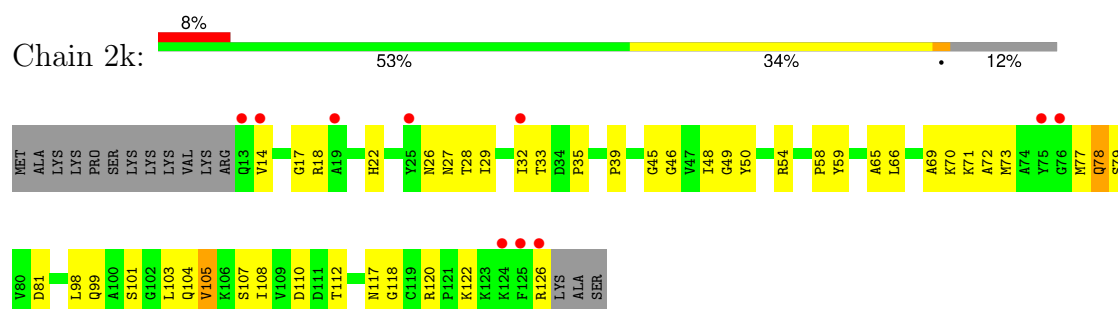
- Molecule 41: 30S ribosomal protein S10



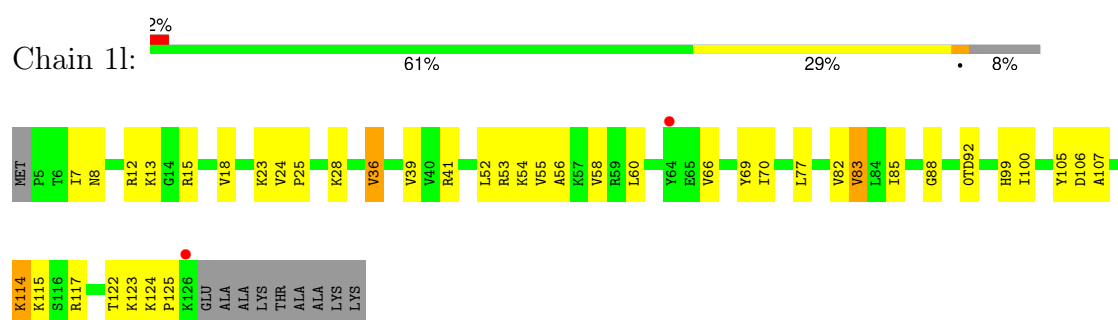
- Molecule 42: 30S ribosomal protein S11



- Molecule 42: 30S ribosomal protein S11

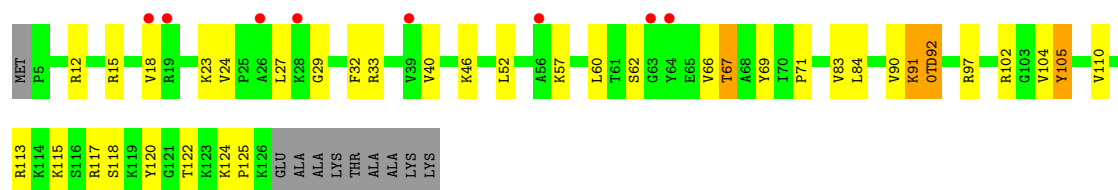


- Molecule 43: 30S ribosomal protein S12



- Molecule 43: 30S ribosomal protein S12

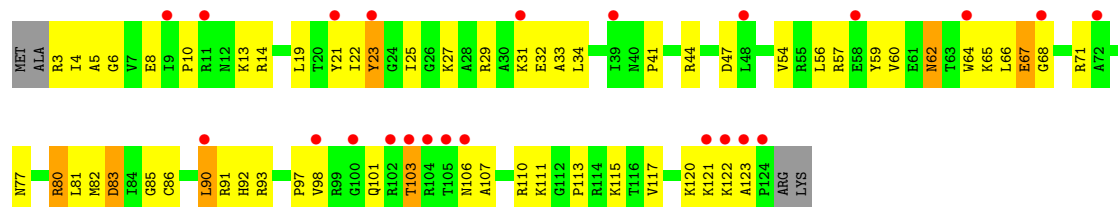




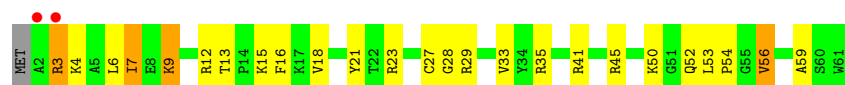
- Molecule 44: 30S ribosomal protein S13



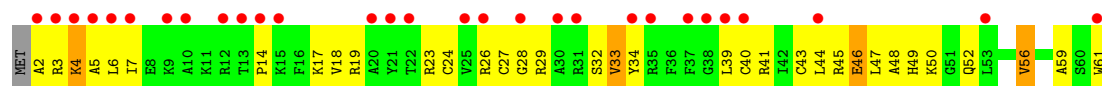
- Molecule 44: 30S ribosomal protein S13



- Molecule 45: 30S ribosomal protein S14 type Z



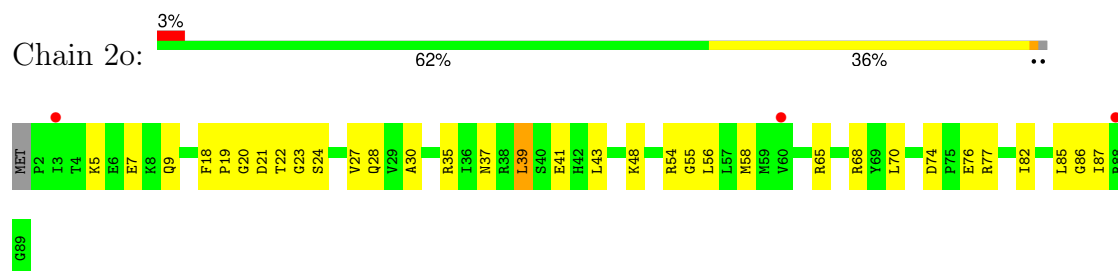
- Molecule 45: 30S ribosomal protein S14 type Z



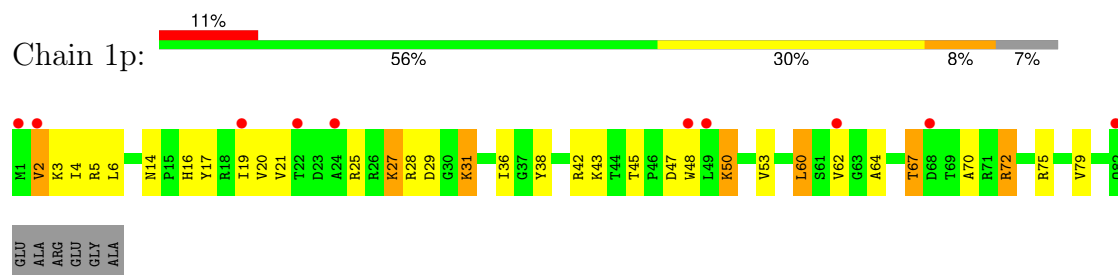
- Molecule 46: 30S ribosomal protein S15



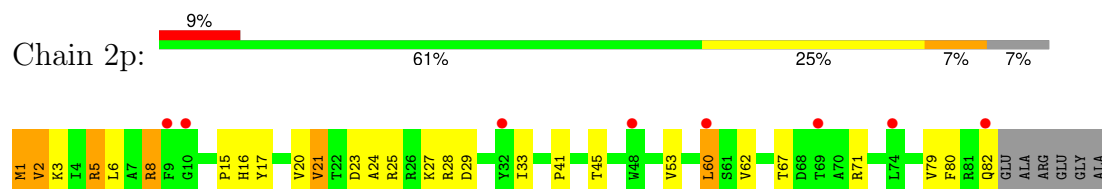
- Molecule 46: 30S ribosomal protein S15



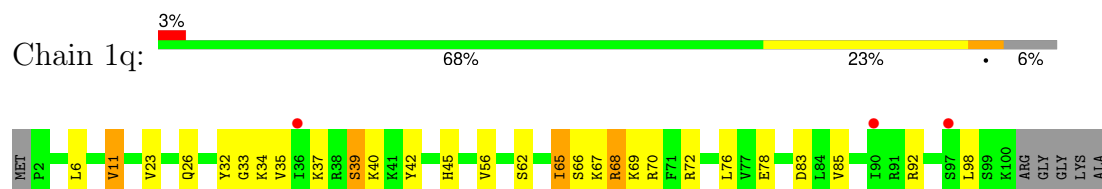
- Molecule 47: 30S ribosomal protein S16



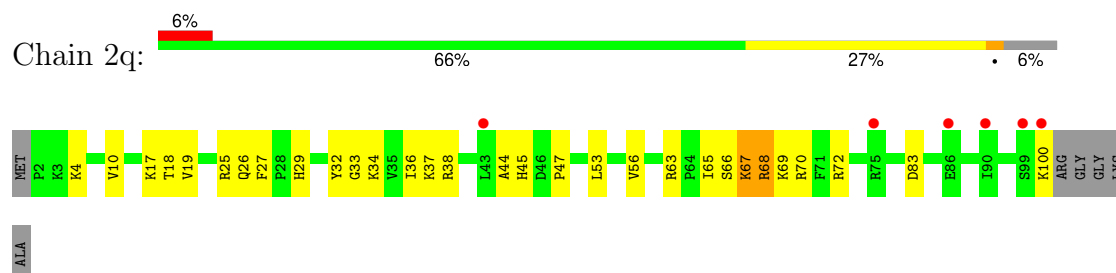
- Molecule 47: 30S ribosomal protein S16



- Molecule 48: 30S ribosomal protein S17

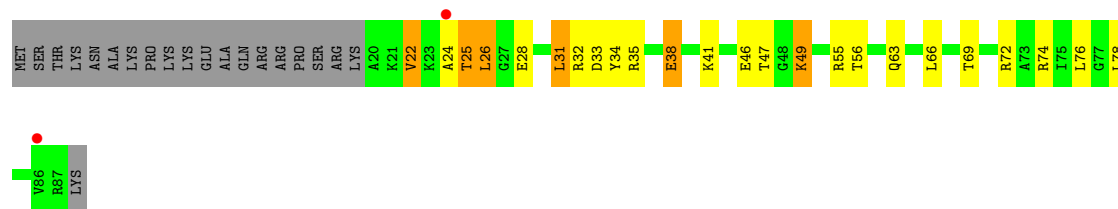


- Molecule 48: 30S ribosomal protein S17

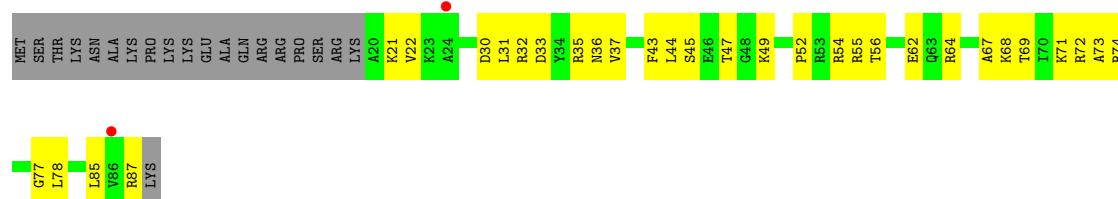
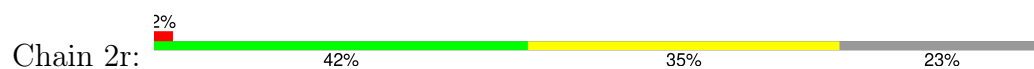


- Molecule 49: 30S ribosomal protein S18

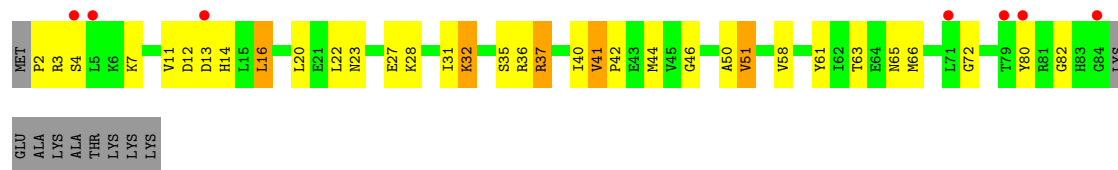




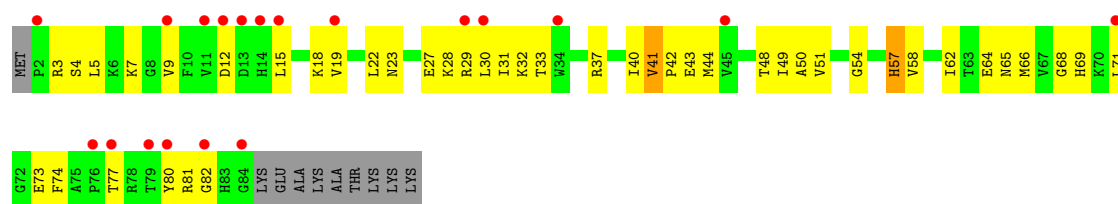
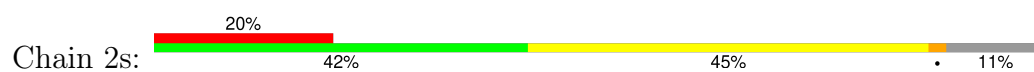
- Molecule 49: 30S ribosomal protein S18



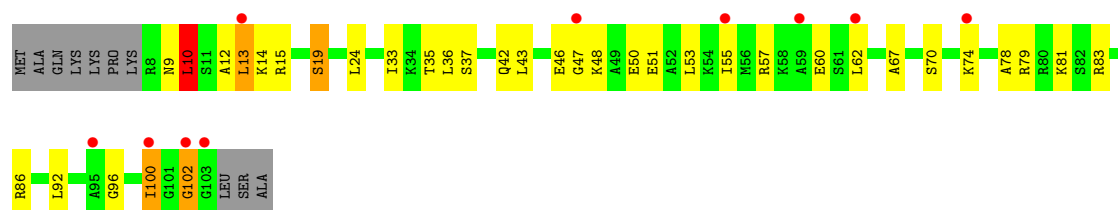
- Molecule 50: 30S ribosomal protein S19



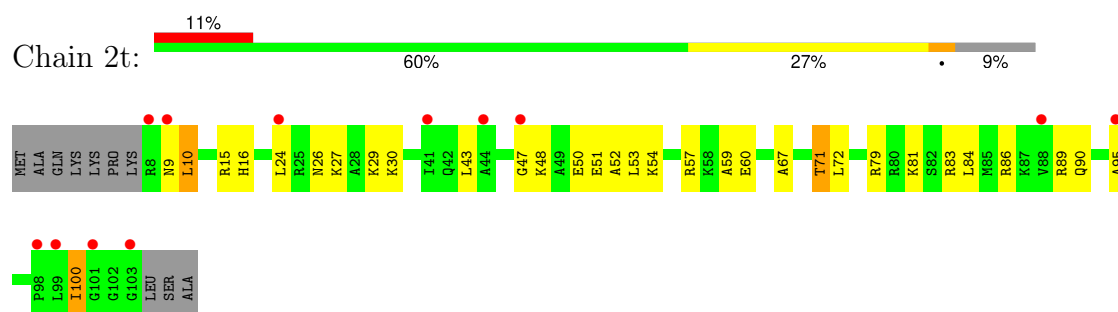
- Molecule 50: 30S ribosomal protein S19



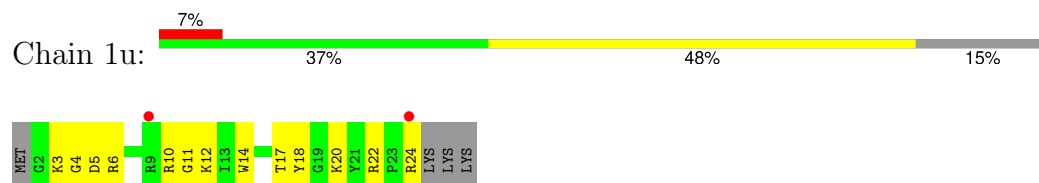
- Molecule 51: 30S ribosomal protein S20



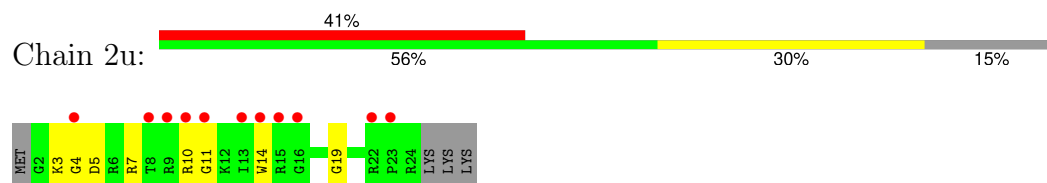
- Molecule 51: 30S ribosomal protein S20



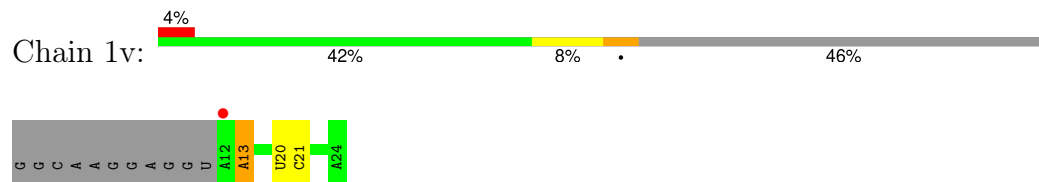
- Molecule 52: 30S ribosomal protein Thx



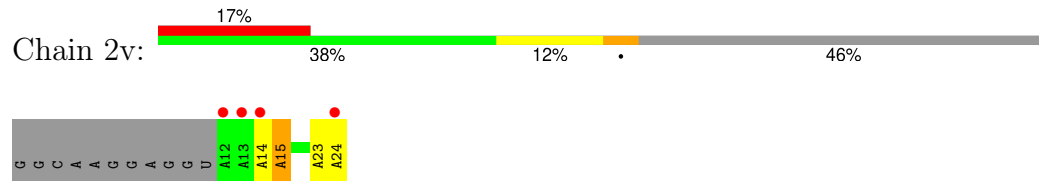
- Molecule 52: 30S ribosomal protein Thx



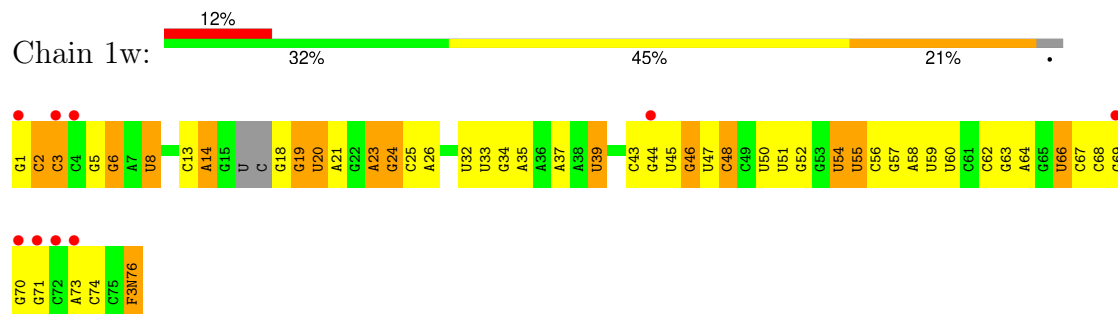
- Molecule 53: mRNA



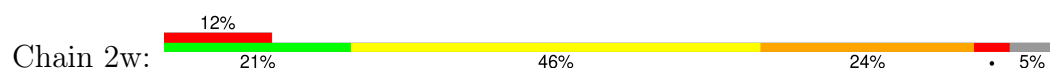
- Molecule 53: mRNA



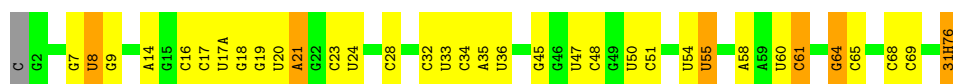
- Molecule 54: A-site tRNA



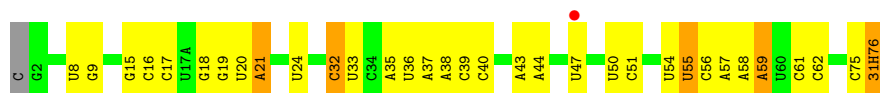
- Molecule 54: A-site tRNA



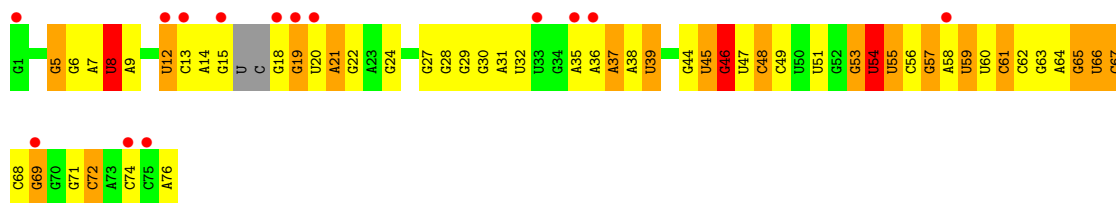
• Molecule 55: P-site tRNA



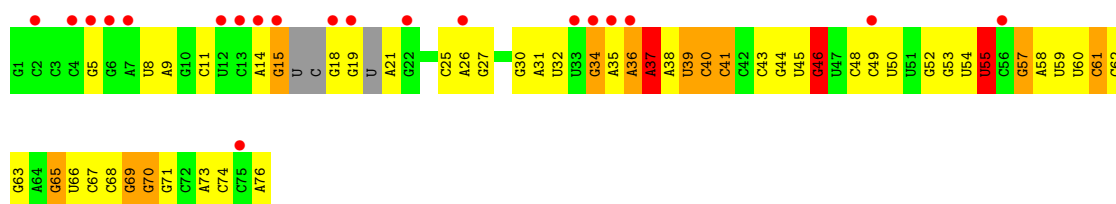
• Molecule 55: P-site tRNA



• 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	207.74Å 444.07Å 613.65Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	208.79 – 2.40 208.79 – 2.40	Depositor EDS
% Data completeness (in resolution range)	99.9 (208.79-2.40) 99.9 (208.79-2.40)	Depositor EDS
R_{merge}	0.28	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.11 (at 2.40Å)	Xtriage
Refinement program	PHENIX 1.17.1_3660	Depositor
R, R_{free}	0.237 , 0.286 0.237 , 0.286	Depositor DCC
R_{free} test set	108927 reflections (5.00%)	wwPDB-VP
Wilson B-factor (Å ²)	45.8	Xtriage
Anisotropy	0.080	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.36 , 56.5	EDS
L-test for twinning ²	$\langle L \rangle = 0.33$, $\langle L^2 \rangle = 0.15$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.90	EDS
Total number of atoms	300906	wwPDB-VP
Average B, all atoms (Å ²)	54.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.57% 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: 4SU, SF4, 2MG, 4OC, PSU, 0TD, 2MA, 31H, OMG, MG, M2G, 7MG, F3N, UR3, 5MC, 2MU, 5MU, K, MIA, ZN, MA6

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	0/68983	0.49	3/107669 (0.0%)
1	2A	0.24	0/67267	0.43	1/104991 (0.0%)
2	1B	0.25	0/2882	0.43	0/4494
2	2B	0.20	0/2879	0.39	0/4487
3	1D	0.29	0/2186	0.53	0/2944
3	2D	0.25	0/2186	0.47	0/2944
4	1E	0.29	0/1592	0.54	0/2149
4	2E	0.24	0/1592	0.44	0/2149
5	1F	0.27	0/1619	0.53	1/2193 (0.0%)
5	2F	0.23	0/1615	0.49	2/2188 (0.1%)
6	1G	0.25	0/1448	0.48	1/1957 (0.1%)
6	2G	0.20	0/1453	0.45	0/1963
7	1H	0.23	0/1356	0.43	0/1834
7	2H	0.18	0/1356	0.37	0/1834
8	1I	0.20	0/1112	0.46	1/1514 (0.1%)
8	2I	0.24	0/1079	0.48	0/1475
9	1N	0.27	0/1144	0.51	0/1543
9	2N	0.19	0/1144	0.41	0/1543
10	1O	0.28	0/943	0.49	0/1269
10	2O	0.23	0/943	0.43	0/1269
11	1P	0.26	0/1152	0.53	0/1533
11	2P	0.22	0/1152	0.52	0/1533
12	1Q	0.28	0/1143	0.50	0/1527
12	2Q	0.21	0/1143	0.43	0/1527
13	1R	0.29	0/982	0.49	0/1312
13	2R	0.22	0/982	0.47	0/1312
14	1S	0.23	0/883	0.49	0/1176
14	2S	0.20	0/880	0.45	0/1172
15	1T	0.26	0/1105	0.51	0/1477
15	2T	0.21	0/1097	0.44	0/1468
16	1U	0.29	0/977	0.49	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2U	0.22	0/977	0.41	0/1301
17	1V	0.27	0/782	0.50	0/1049
17	2V	0.19	0/782	0.43	0/1049
18	1W	0.30	0/897	0.49	0/1205
18	2W	0.22	0/897	0.41	0/1205
19	1X	0.26	0/764	0.56	2/1025 (0.2%)
19	2X	0.22	0/764	0.49	2/1025 (0.2%)
20	1Y	0.23	0/819	0.48	0/1095
20	2Y	0.22	0/819	0.51	1/1095 (0.1%)
21	1Z	0.23	0/1267	0.51	0/1717
21	2Z	0.21	0/1299	0.44	0/1763
22	10	0.31	0/662	0.52	0/881
22	20	0.24	0/662	0.47	0/881
23	11	0.25	0/762	0.44	0/1014
23	21	0.22	0/762	0.42	0/1014
24	12	0.25	0/590	0.43	0/781
24	22	0.19	0/590	0.37	0/781
25	13	0.25	0/474	0.49	0/635
25	23	0.20	0/469	0.45	0/630
26	14	0.24	0/565	0.54	0/761
26	24	0.22	0/545	0.50	0/737
27	15	0.34	0/469	0.61	0/635
27	25	0.26	0/469	0.47	0/635
28	16	0.29	0/460	0.49	0/613
28	26	0.22	0/456	0.45	0/608
29	17	0.30	0/426	0.54	0/561
29	27	0.26	0/426	0.50	0/561
30	18	0.27	0/525	0.48	0/691
30	28	0.22	0/525	0.42	0/691
31	19	0.28	0/310	0.46	0/407
31	29	0.21	0/310	0.41	0/407
32	1a	0.22	0/35795	0.41	1/55864 (0.0%)
32	2a	0.21	0/35886	0.40	1/56005 (0.0%)
33	1b	0.22	0/1881	0.48	0/2542
33	2b	0.22	0/1860	0.48	0/2518
34	1c	0.22	0/1572	0.46	1/2126 (0.0%)
34	2c	0.22	0/1566	0.46	0/2119
35	1d	0.20	0/1685	0.44	0/2262
35	2d	0.19	0/1704	0.44	0/2284
36	1e	0.23	0/1145	0.49	0/1543
36	2e	0.20	0/1149	0.49	0/1548
37	1f	0.20	0/823	0.43	0/1115
37	2f	0.21	0/829	0.42	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1g	0.21	0/1250	0.40	0/1679
38	2g	0.19	0/1254	0.47	0/1683
39	1h	0.20	0/1108	0.40	0/1494
39	2h	0.19	0/1108	0.41	0/1494
40	1i	0.19	0/1002	0.47	0/1346
40	2i	0.26	0/997	0.52	0/1343
41	1j	0.19	0/722	0.44	0/982
41	2j	0.21	0/727	0.51	0/988
42	1k	0.20	0/844	0.42	0/1145
42	2k	0.18	0/848	0.39	0/1149
43	1l	0.24	0/937	0.45	0/1260
43	2l	0.19	0/937	0.43	0/1260
44	1m	0.21	0/969	0.49	0/1302
44	2m	0.21	0/961	0.49	0/1291
45	1n	0.20	0/501	0.44	0/664
45	2n	0.21	0/501	0.46	0/664
46	1o	0.20	0/739	0.37	0/985
46	2o	0.18	0/739	0.39	0/985
47	1p	0.22	0/697	0.44	0/939
47	2p	0.20	0/693	0.46	0/935
48	1q	0.19	0/836	0.53	1/1117 (0.1%)
48	2q	0.20	0/836	0.48	0/1117
49	1r	0.20	0/560	0.39	0/746
49	2r	0.21	0/560	0.44	0/746
50	1s	0.20	0/667	0.52	0/900
50	2s	0.21	0/661	0.53	0/893
51	1t	0.21	0/730	0.50	0/965
51	2t	0.22	0/729	0.47	0/965
52	1u	0.20	0/203	0.41	0/266
52	2u	0.19	0/203	0.51	0/266
53	1v	0.24	0/310	0.37	0/480
53	2v	0.24	0/310	0.42	0/480
54	1w	0.27	0/1581	0.46	0/2458
54	2w	0.27	1/1531 (0.1%)	0.44	0/2379
55	1x	0.30	0/1700	0.43	0/2650
55	2x	0.26	0/1700	0.40	0/2650
56	1y	0.29	1/1606 (0.1%)	0.45	0/2497
56	2y	0.29	0/1583	0.48	0/2459
All	All	0.25	2/316534 (0.0%)	0.45	18/473871 (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
11	1P	0	2
11	2P	0	1
44	2m	0	1
All	All	0	4

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
56	1y	8	4SU	O3'-P	5.32	1.61	1.56
54	2w	8	4SU	O3'-P	5.00	1.61	1.56

The worst 5 of 18 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
48	1q	65	ILE	N-CA-C	-7.92	105.04	112.96
6	1G	127	GLY	N-CA-C	-7.38	105.66	115.40
5	1F	78	ILE	N-CA-C	-6.58	104.75	112.98
1	1A	1992	G	C2'-C3'-O3'	6.53	119.30	109.50
8	1I	67	ARG	N-CA-C	-6.29	105.71	113.19

There are no chirality outliers.

All (4) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
11	1P	35	HIS	Peptide
11	1P	37	GLY	Peptide
11	2P	35	HIS	Peptide
44	2m	106	ASN	Peptide

5.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61854	0	31195	942	0
1	2A	60324	0	30428	1053	0
2	1B	2577	0	1305	29	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	2B	2575	0	1303	51	0
3	1D	2136	0	2218	64	0
3	2D	2136	0	2218	60	0
4	1E	1559	0	1618	51	0
4	2E	1559	0	1618	51	0
5	1F	1584	0	1625	53	0
5	2F	1580	0	1619	65	0
6	1G	1423	0	1436	52	0
6	2G	1428	0	1438	66	0
7	1H	1330	0	1407	32	0
7	2H	1330	0	1407	43	0
8	1I	1097	0	1140	29	0
8	2I	1064	0	1082	33	0
9	1N	1117	0	1184	21	0
9	2N	1117	0	1184	30	0
10	1O	933	0	996	33	0
10	2O	933	0	996	29	0
11	1P	1135	0	1212	45	0
11	2P	1135	0	1212	42	0
12	1Q	1122	0	1179	23	0
12	2Q	1122	0	1179	41	0
13	1R	968	0	1033	30	0
13	2R	968	0	1033	33	0
14	1S	873	0	926	28	0
14	2S	870	0	923	33	0
15	1T	1091	0	1151	24	0
15	2T	1083	0	1136	31	0
16	1U	959	0	1019	14	0
16	2U	959	0	1019	25	0
17	1V	771	0	830	16	0
17	2V	771	0	830	22	0
18	1W	886	0	940	18	0
18	2W	886	0	940	16	0
19	1X	750	0	814	27	0
19	2X	750	0	814	27	0
20	1Y	806	0	881	15	0
20	2Y	806	0	881	30	0
21	1Z	1240	0	1240	46	0
21	2Z	1271	0	1273	60	0
22	10	653	0	674	16	0
22	20	653	0	674	18	0
23	11	755	0	826	18	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
23	21	755	0	826	23	0
24	12	588	0	643	15	0
24	22	588	0	643	20	0
25	13	469	0	518	14	0
25	23	464	0	514	21	0
26	14	552	0	533	28	0
26	24	532	0	503	28	0
27	15	455	0	465	15	0
27	25	455	0	465	13	0
28	16	453	0	473	11	0
28	26	449	0	469	18	0
29	17	418	0	467	9	0
29	27	418	0	467	10	0
30	18	517	0	582	19	0
30	28	517	0	582	24	0
31	19	307	0	335	8	0
31	29	307	0	335	7	0
32	1a	32246	0	16294	565	0
32	2a	32327	0	16339	716	0
33	1b	1846	0	1867	64	0
33	2b	1825	0	1828	100	0
34	1c	1548	0	1535	38	0
34	2c	1542	0	1517	56	0
35	1d	1655	0	1672	60	0
35	2d	1674	0	1714	59	0
36	1e	1129	0	1185	49	0
36	2e	1133	0	1191	40	0
37	1f	810	0	804	26	0
37	2f	816	0	808	41	0
38	1g	1231	0	1238	38	0
38	2g	1235	0	1249	43	0
39	1h	1088	0	1126	34	0
39	2h	1088	0	1126	32	0
40	1i	983	0	986	36	0
40	2i	978	0	966	68	0
41	1j	709	0	650	33	0
41	2j	714	0	672	47	0
42	1k	829	0	825	18	0
42	2k	833	0	836	34	0
43	1l	932	0	978	24	0
43	2l	932	0	981	26	0
44	1m	958	0	1002	36	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
44	2m	950	0	988	55	0
45	1n	492	0	529	20	0
45	2n	492	0	529	25	0
46	1o	728	0	760	20	0
46	2o	728	0	760	22	0
47	1p	681	0	697	24	0
47	2p	677	0	686	20	0
48	1q	823	0	891	21	0
48	2q	823	0	891	18	0
49	1r	555	0	618	14	0
49	2r	555	0	618	27	0
50	1s	652	0	662	27	0
50	2s	646	0	644	35	0
51	1t	728	0	798	25	0
51	2t	727	0	796	25	0
52	1u	199	0	208	8	0
52	2u	199	0	208	8	0
53	1v	277	0	140	3	0
53	2v	277	0	140	7	0
54	1w	1603	0	829	32	0
54	2w	1555	0	798	46	0
55	1x	1635	0	838	20	0
55	2x	1635	0	838	21	0
56	1y	1585	0	804	42	0
56	2y	1565	0	795	44	0
57	10	9	0	0	0	0
57	11	6	0	0	0	0
57	12	2	0	0	0	0
57	13	5	0	0	0	0
57	14	1	0	0	0	0
57	15	7	0	0	0	0
57	16	1	0	0	0	0
57	17	5	0	0	0	0
57	18	6	0	0	0	0
57	19	1	0	0	0	0
57	1A	1121	0	0	0	0
57	1B	34	0	0	0	0
57	1D	12	0	0	0	0
57	1E	13	0	0	0	0
57	1F	11	0	0	0	0
57	1G	5	0	0	0	0
57	1I	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
57	1N	5	0	0	0	0
57	1O	4	0	0	0	0
57	1P	4	0	0	0	0
57	1Q	7	0	0	0	0
57	1R	4	0	0	0	0
57	1S	3	0	0	0	0
57	1T	4	0	0	0	0
57	1U	9	0	0	0	0
57	1V	9	0	0	0	0
57	1W	6	0	0	0	0
57	1X	7	0	0	0	0
57	1Y	3	0	0	0	0
57	1Z	2	0	0	0	0
57	1a	219	0	0	0	0
57	1b	2	0	0	0	0
57	1d	1	0	0	0	0
57	1e	2	0	0	0	0
57	1f	2	0	0	0	0
57	1l	2	0	0	0	0
57	1m	2	0	0	0	0
57	1n	1	0	0	0	0
57	1t	1	0	0	0	0
57	1v	1	0	0	0	0
57	1w	10	0	0	0	0
57	1x	15	0	0	0	0
57	1y	3	0	0	0	0
57	20	1	0	0	0	0
57	21	1	0	0	0	0
57	23	4	0	0	0	0
57	25	5	0	0	0	0
57	26	1	0	0	0	0
57	27	1	0	0	0	0
57	28	3	0	0	0	0
57	2A	890	0	0	0	0
57	2B	20	0	0	0	0
57	2D	7	0	0	0	0
57	2E	5	0	0	0	0
57	2F	6	0	0	0	0
57	2G	1	0	0	0	0
57	2N	1	0	0	0	0
57	2O	2	0	0	0	0
57	2P	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
57	2Q	5	0	0	0	0
57	2R	2	0	0	0	0
57	2T	3	0	0	0	0
57	2U	2	0	0	0	0
57	2V	3	0	0	0	0
57	2W	2	0	0	0	0
57	2X	3	0	0	0	0
57	2Z	1	0	0	0	0
57	2a	238	0	0	0	0
57	2d	2	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	2	0	0	0	0
57	2l	3	0	0	0	0
57	2q	3	0	0	0	0
57	2r	1	0	0	0	0
57	2t	1	0	0	0	0
57	2v	4	0	0	0	0
57	2w	9	0	0	0	0
57	2x	5	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	14	1	0	0	0	0
59	15	1	0	0	0	0
59	16	1	0	0	0	0
59	19	1	0	0	0	0
59	1Y	1	0	0	0	0
59	1n	1	0	0	0	0
59	24	1	0	0	0	0
59	25	1	0	0	0	0
59	26	1	0	0	0	0
59	29	1	0	0	0	0
59	2Y	1	0	0	0	0
59	2n	1	0	0	0	0
60	1d	8	0	0	0	0
60	2d	8	0	0	1	0
61	10	14	0	0	0	0
61	11	11	0	0	1	0
61	12	4	0	0	1	0
61	13	6	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
61	14	1	0	0	0	0
61	15	5	0	0	0	0
61	16	5	0	0	1	0
61	17	7	0	0	1	0
61	18	9	0	0	1	0
61	19	1	0	0	0	0
61	1A	2266	0	0	121	0
61	1B	69	0	0	2	0
61	1D	25	0	0	3	0
61	1E	26	0	0	3	0
61	1F	19	0	0	1	0
61	1G	7	0	0	0	0
61	1H	2	0	0	0	0
61	1N	7	0	0	1	0
61	1O	6	0	0	1	0
61	1P	24	0	0	3	0
61	1Q	9	0	0	0	0
61	1R	15	0	0	2	0
61	1S	6	0	0	0	0
61	1T	8	0	0	0	0
61	1U	9	0	0	1	0
61	1V	8	0	0	0	0
61	1W	6	0	0	1	0
61	1X	8	0	0	0	0
61	1Y	4	0	0	1	0
61	1Z	1	0	0	0	0
61	1a	410	0	0	36	0
61	1b	1	0	0	0	0
61	1d	1	0	0	0	0
61	1e	1	0	0	0	0
61	1i	1	0	0	0	0
61	1l	7	0	0	1	0
61	1m	3	0	0	0	0
61	1o	2	0	0	0	0
61	1p	1	0	0	0	0
61	1q	2	0	0	0	0
61	1u	1	0	0	1	0
61	1v	6	0	0	0	0
61	1w	21	0	0	3	0
61	1x	15	0	0	1	0
61	1y	2	0	0	0	0
61	20	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
61	21	12	0	0	1	0
61	22	2	0	0	0	0
61	23	2	0	0	0	0
61	25	6	0	0	1	0
61	27	3	0	0	0	0
61	28	6	0	0	0	0
61	29	1	0	0	0	0
61	2A	1381	0	0	112	0
61	2B	24	0	0	1	0
61	2D	25	0	0	2	0
61	2E	16	0	0	1	0
61	2F	13	0	0	0	0
61	2I	2	0	0	0	0
61	2N	1	0	0	0	0
61	2O	2	0	0	0	0
61	2P	16	0	0	2	0
61	2Q	3	0	0	0	0
61	2R	3	0	0	1	0
61	2T	4	0	0	0	0
61	2U	4	0	0	0	0
61	2V	1	0	0	0	0
61	2W	3	0	0	0	0
61	2X	5	0	0	2	0
61	2Y	1	0	0	1	0
61	2Z	2	0	0	0	0
61	2a	366	0	0	32	0
61	2d	3	0	0	1	0
61	2e	3	0	0	0	0
61	2g	1	0	0	0	0
61	2i	1	0	0	0	0
61	2j	4	0	0	0	0
61	2l	6	0	0	0	0
61	2o	2	0	0	1	0
61	2p	3	0	0	0	0
61	2q	1	0	0	0	0
61	2r	1	0	0	0	0
61	2t	3	0	0	0	0
61	2v	2	0	0	0	0
61	2w	1	0	0	0	0
61	2x	9	0	0	1	0
61	2y	20	0	0	1	0
All	All	300906	0	196730	5767	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 12.

The worst 5 of 5767 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	1.21	1.35
1:1A:1054:A:N6	1:1A:1105:U:H3	1.36	1.22
1:1A:1082:U:O4	1:1A:1086:A:N1	1.86	1.06
1:1A:2128:C:N4	1:1A:2160:G:H1	1.54	1.05
1:2A:2138:C:N4	1:2A:2153:G:H1	1.60	1.00

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	1D	273/276 (99%)	261 (96%)	12 (4%)	0	100	100
3	2D	273/276 (99%)	254 (93%)	18 (7%)	1 (0%)	30	43
4	1E	202/206 (98%)	191 (95%)	8 (4%)	3 (2%)	8	12
4	2E	202/206 (98%)	189 (94%)	11 (5%)	2 (1%)	12	20
5	1F	201/210 (96%)	193 (96%)	7 (4%)	1 (0%)	24	37
5	2F	201/210 (96%)	179 (89%)	20 (10%)	2 (1%)	12	20
6	1G	179/182 (98%)	165 (92%)	14 (8%)	0	100	100
6	2G	179/182 (98%)	158 (88%)	15 (8%)	6 (3%)	3	2
7	1H	172/180 (96%)	164 (95%)	7 (4%)	1 (1%)	21	32
7	2H	172/180 (96%)	151 (88%)	17 (10%)	4 (2%)	5	6
8	1I	144/148 (97%)	123 (85%)	20 (14%)	1 (1%)	18	28
8	2I	144/148 (97%)	121 (84%)	22 (15%)	1 (1%)	18	28

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
9	1N	138/140 (99%)	136 (99%)	1 (1%)	1 (1%)	18	28
9	2N	138/140 (99%)	132 (96%)	5 (4%)	1 (1%)	18	28
10	1O	120/122 (98%)	111 (92%)	8 (7%)	1 (1%)	16	25
10	2O	120/122 (98%)	109 (91%)	11 (9%)	0	100	100
11	1P	147/150 (98%)	133 (90%)	14 (10%)	0	100	100
11	2P	147/150 (98%)	130 (88%)	14 (10%)	3 (2%)	6	7
12	1Q	139/141 (99%)	133 (96%)	6 (4%)	0	100	100
12	2Q	139/141 (99%)	119 (86%)	19 (14%)	1 (1%)	18	28
13	1R	116/118 (98%)	111 (96%)	5 (4%)	0	100	100
13	2R	116/118 (98%)	108 (93%)	8 (7%)	0	100	100
14	1S	108/112 (96%)	104 (96%)	4 (4%)	0	100	100
14	2S	108/112 (96%)	99 (92%)	8 (7%)	1 (1%)	14	22
15	1T	129/146 (88%)	118 (92%)	10 (8%)	1 (1%)	16	25
15	2T	129/146 (88%)	118 (92%)	10 (8%)	1 (1%)	16	25
16	1U	114/118 (97%)	114 (100%)	0	0	100	100
16	2U	114/118 (97%)	111 (97%)	3 (3%)	0	100	100
17	1V	99/101 (98%)	96 (97%)	2 (2%)	1 (1%)	12	20
17	2V	99/101 (98%)	94 (95%)	4 (4%)	1 (1%)	12	20
18	1W	110/113 (97%)	110 (100%)	0	0	100	100
18	2W	110/113 (97%)	107 (97%)	3 (3%)	0	100	100
19	1X	93/96 (97%)	90 (97%)	2 (2%)	1 (1%)	11	18
19	2X	93/96 (97%)	85 (91%)	7 (8%)	1 (1%)	11	18
20	1Y	105/110 (96%)	99 (94%)	5 (5%)	1 (1%)	12	20
20	2Y	105/110 (96%)	94 (90%)	9 (9%)	2 (2%)	6	8
21	1Z	148/206 (72%)	125 (84%)	22 (15%)	1 (1%)	18	28
21	2Z	156/206 (76%)	133 (85%)	20 (13%)	3 (2%)	6	8
22	10	81/85 (95%)	78 (96%)	3 (4%)	0	100	100
22	20	81/85 (95%)	77 (95%)	4 (5%)	0	100	100
23	11	95/98 (97%)	90 (95%)	3 (3%)	2 (2%)	5	7
23	21	95/98 (97%)	91 (96%)	3 (3%)	1 (1%)	11	18
24	12	68/72 (94%)	68 (100%)	0	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
24	22	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
25	13	57/60 (95%)	54 (95%)	3 (5%)	0	100	100
25	23	57/60 (95%)	53 (93%)	4 (7%)	0	100	100
26	14	67/71 (94%)	50 (75%)	12 (18%)	5 (8%)	1	0
26	24	67/71 (94%)	53 (79%)	13 (19%)	1 (2%)	8	12
27	15	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
27	25	57/60 (95%)	54 (95%)	3 (5%)	0	100	100
28	16	51/54 (94%)	51 (100%)	0	0	100	100
28	26	51/54 (94%)	48 (94%)	3 (6%)	0	100	100
29	17	46/49 (94%)	44 (96%)	2 (4%)	0	100	100
29	27	46/49 (94%)	46 (100%)	0	0	100	100
30	18	62/65 (95%)	62 (100%)	0	0	100	100
30	28	62/65 (95%)	62 (100%)	0	0	100	100
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	34 (97%)	1 (3%)	0	100	100
33	1b	229/256 (90%)	187 (82%)	38 (17%)	4 (2%)	7	10
33	2b	229/256 (90%)	187 (82%)	31 (14%)	11 (5%)	2	1
34	1c	204/239 (85%)	191 (94%)	12 (6%)	1 (0%)	24	37
34	2c	204/239 (85%)	176 (86%)	26 (13%)	2 (1%)	12	20
35	1d	206/209 (99%)	190 (92%)	14 (7%)	2 (1%)	12	20
35	2d	206/209 (99%)	188 (91%)	15 (7%)	3 (2%)	8	12
36	1e	146/162 (90%)	134 (92%)	10 (7%)	2 (1%)	9	13
36	2e	146/162 (90%)	130 (89%)	14 (10%)	2 (1%)	9	13
37	1f	98/101 (97%)	93 (95%)	4 (4%)	1 (1%)	12	20
37	2f	98/101 (97%)	93 (95%)	5 (5%)	0	100	100
38	1g	153/156 (98%)	137 (90%)	14 (9%)	2 (1%)	9	14
38	2g	153/156 (98%)	133 (87%)	17 (11%)	3 (2%)	6	7
39	1h	135/138 (98%)	128 (95%)	7 (5%)	0	100	100
39	2h	135/138 (98%)	126 (93%)	8 (6%)	1 (1%)	18	28
40	1i	125/128 (98%)	111 (89%)	13 (10%)	1 (1%)	16	25
40	2i	125/128 (98%)	98 (78%)	25 (20%)	2 (2%)	7	11

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
41	1j	95/105 (90%)	81 (85%)	11 (12%)	3 (3%)	3	3
41	2j	94/105 (90%)	80 (85%)	9 (10%)	5 (5%)	1	1
42	1k	112/129 (87%)	103 (92%)	7 (6%)	2 (2%)	6	9
42	2k	112/129 (87%)	98 (88%)	10 (9%)	4 (4%)	2	2
43	1l	119/132 (90%)	110 (92%)	9 (8%)	0	100	100
43	2l	119/132 (90%)	107 (90%)	10 (8%)	2 (2%)	7	10
44	1m	121/126 (96%)	109 (90%)	11 (9%)	1 (1%)	16	25
44	2m	120/126 (95%)	100 (83%)	17 (14%)	3 (2%)	4	5
45	1n	58/61 (95%)	54 (93%)	4 (7%)	0	100	100
45	2n	58/61 (95%)	47 (81%)	10 (17%)	1 (2%)	7	10
46	1o	86/89 (97%)	81 (94%)	4 (5%)	1 (1%)	10	16
46	2o	86/89 (97%)	79 (92%)	6 (7%)	1 (1%)	10	16
47	1p	80/88 (91%)	75 (94%)	5 (6%)	0	100	100
47	2p	80/88 (91%)	77 (96%)	3 (4%)	0	100	100
48	1q	97/105 (92%)	91 (94%)	4 (4%)	2 (2%)	5	7
48	2q	97/105 (92%)	86 (89%)	8 (8%)	3 (3%)	3	3
49	1r	66/88 (75%)	59 (89%)	5 (8%)	2 (3%)	3	3
49	2r	66/88 (75%)	62 (94%)	4 (6%)	0	100	100
50	1s	81/93 (87%)	72 (89%)	9 (11%)	0	100	100
50	2s	81/93 (87%)	62 (76%)	18 (22%)	1 (1%)	10	16
51	1t	94/106 (89%)	84 (89%)	6 (6%)	4 (4%)	2	1
51	2t	94/106 (89%)	82 (87%)	9 (10%)	3 (3%)	3	3
52	1u	21/27 (78%)	21 (100%)	0	0	100	100
52	2u	21/27 (78%)	19 (90%)	2 (10%)	0	100	100
All	All	11370/12128 (94%)	10382 (91%)	861 (8%)	127 (1%)	11	18

5 of 127 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
4	1E	71	GLY
5	1F	130	ALA
7	1H	126	PRO
26	14	62	ARG
33	1b	17	PHE

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%)	205 (95%)	10 (5%)	23	41
3	2D	215/218 (99%)	203 (94%)	12 (6%)	19	33
4	1E	164/166 (99%)	152 (93%)	12 (7%)	13	22
4	2E	164/166 (99%)	147 (90%)	17 (10%)	7	10
5	1F	160/166 (96%)	148 (92%)	12 (8%)	12	21
5	2F	159/166 (96%)	141 (89%)	18 (11%)	5	8
6	1G	143/156 (92%)	130 (91%)	13 (9%)	9	14
6	2G	143/156 (92%)	124 (87%)	19 (13%)	4	5
7	1H	144/148 (97%)	136 (94%)	8 (6%)	19	33
7	2H	144/148 (97%)	135 (94%)	9 (6%)	16	29
8	1I	113/124 (91%)	96 (85%)	17 (15%)	3	3
8	2I	105/124 (85%)	81 (77%)	24 (23%)	1	1
9	1N	118/119 (99%)	109 (92%)	9 (8%)	12	21
9	2N	118/119 (99%)	106 (90%)	12 (10%)	7	11
10	1O	100/100 (100%)	95 (95%)	5 (5%)	22	38
10	2O	100/100 (100%)	93 (93%)	7 (7%)	14	24
11	1P	115/116 (99%)	102 (89%)	13 (11%)	5	8
11	2P	115/116 (99%)	100 (87%)	15 (13%)	4	5
12	1Q	111/111 (100%)	103 (93%)	8 (7%)	13	23
12	2Q	111/111 (100%)	105 (95%)	6 (5%)	20	35
13	1R	101/101 (100%)	90 (89%)	11 (11%)	6	9
13	2R	101/101 (100%)	94 (93%)	7 (7%)	14	24
14	1S	86/88 (98%)	75 (87%)	11 (13%)	4	6
14	2S	85/88 (97%)	70 (82%)	15 (18%)	2	2
15	1T	115/127 (91%)	108 (94%)	7 (6%)	17	30
15	2T	113/127 (89%)	102 (90%)	11 (10%)	8	12

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
16	1U	93/94 (99%)	87 (94%)	6 (6%)	15	27
16	2U	93/94 (99%)	87 (94%)	6 (6%)	15	27
17	1V	80/82 (98%)	72 (90%)	8 (10%)	7	11
17	2V	80/82 (98%)	69 (86%)	11 (14%)	3	4
18	1W	90/92 (98%)	84 (93%)	6 (7%)	15	26
18	2W	90/92 (98%)	83 (92%)	7 (8%)	11	20
19	1X	77/78 (99%)	70 (91%)	7 (9%)	9	14
19	2X	77/78 (99%)	73 (95%)	4 (5%)	21	36
20	1Y	85/91 (93%)	74 (87%)	11 (13%)	4	6
20	2Y	85/91 (93%)	76 (89%)	9 (11%)	6	10
21	1Z	135/179 (75%)	122 (90%)	13 (10%)	8	12
21	2Z	137/179 (76%)	115 (84%)	22 (16%)	2	3
22	10	65/67 (97%)	65 (100%)	0	100	100
22	20	65/67 (97%)	65 (100%)	0	100	100
23	11	80/83 (96%)	78 (98%)	2 (2%)	42	64
23	21	80/83 (96%)	73 (91%)	7 (9%)	9	15
24	12	65/67 (97%)	61 (94%)	4 (6%)	16	29
24	22	65/67 (97%)	60 (92%)	5 (8%)	12	20
25	13	51/52 (98%)	46 (90%)	5 (10%)	7	12
25	23	50/52 (96%)	44 (88%)	6 (12%)	5	7
26	14	59/63 (94%)	48 (81%)	11 (19%)	1	2
26	24	53/63 (84%)	44 (83%)	9 (17%)	2	2
27	15	50/52 (96%)	43 (86%)	7 (14%)	3	4
27	25	50/52 (96%)	46 (92%)	4 (8%)	11	19
28	16	51/52 (98%)	47 (92%)	4 (8%)	11	20
28	26	50/52 (96%)	44 (88%)	6 (12%)	5	7
29	17	41/42 (98%)	37 (90%)	4 (10%)	7	12
29	27	41/42 (98%)	39 (95%)	2 (5%)	22	39
30	18	54/55 (98%)	49 (91%)	5 (9%)	8	14
30	28	54/55 (98%)	49 (91%)	5 (9%)	8	14
31	19	34/34 (100%)	32 (94%)	2 (6%)	18	31

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
31	29	34/34 (100%)	33 (97%)	1 (3%)	37	60
33	1b	192/220 (87%)	172 (90%)	20 (10%)	7	10
33	2b	187/220 (85%)	159 (85%)	28 (15%)	3	3
34	1c	142/188 (76%)	127 (89%)	15 (11%)	6	10
34	2c	140/188 (74%)	128 (91%)	12 (9%)	10	16
35	1d	169/181 (93%)	145 (86%)	24 (14%)	3	4
35	2d	173/181 (96%)	153 (88%)	20 (12%)	5	8
36	1e	113/123 (92%)	98 (87%)	15 (13%)	4	5
36	2e	114/123 (93%)	100 (88%)	14 (12%)	4	6
37	1f	84/90 (93%)	77 (92%)	7 (8%)	10	17
37	2f	85/90 (94%)	77 (91%)	8 (9%)	8	13
38	1g	119/127 (94%)	104 (87%)	15 (13%)	4	6
38	2g	120/127 (94%)	106 (88%)	14 (12%)	5	7
39	1h	114/119 (96%)	107 (94%)	7 (6%)	17	30
39	2h	114/119 (96%)	101 (89%)	13 (11%)	5	8
40	1i	90/99 (91%)	80 (89%)	10 (11%)	6	9
40	2i	89/99 (90%)	74 (83%)	15 (17%)	2	3
41	1j	66/92 (72%)	62 (94%)	4 (6%)	17	30
41	2j	69/92 (75%)	63 (91%)	6 (9%)	9	16
42	1k	82/99 (83%)	74 (90%)	8 (10%)	7	12
42	2k	83/99 (84%)	79 (95%)	4 (5%)	23	40
43	1l	96/108 (89%)	90 (94%)	6 (6%)	16	29
43	2l	96/108 (89%)	89 (93%)	7 (7%)	13	22
44	1m	93/101 (92%)	83 (89%)	10 (11%)	6	9
44	2m	92/101 (91%)	83 (90%)	9 (10%)	7	12
45	1n	49/50 (98%)	42 (86%)	7 (14%)	3	4
45	2n	49/50 (98%)	43 (88%)	6 (12%)	5	7
46	1o	78/80 (98%)	68 (87%)	10 (13%)	4	6
46	2o	78/80 (98%)	75 (96%)	3 (4%)	29	49
47	1p	69/74 (93%)	57 (83%)	12 (17%)	2	2
47	2p	68/74 (92%)	56 (82%)	12 (18%)	2	2

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
48	1q	94/97 (97%)	90 (96%)	4 (4%)	26	44
48	2q	94/97 (97%)	90 (96%)	4 (4%)	26	44
49	1r	59/77 (77%)	51 (86%)	8 (14%)	3	5
49	2r	59/77 (77%)	57 (97%)	2 (3%)	32	54
50	1s	69/80 (86%)	63 (91%)	6 (9%)	9	16
50	2s	67/80 (84%)	60 (90%)	7 (10%)	7	10
51	1t	70/82 (85%)	65 (93%)	5 (7%)	13	23
51	2t	70/82 (85%)	68 (97%)	2 (3%)	37	60
52	1u	18/22 (82%)	17 (94%)	1 (6%)	19	33
52	2u	18/22 (82%)	18 (100%)	0	100	100
All	All	9303/10064 (92%)	8416 (90%)	887 (10%)	8	13

5 of 887 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
5	2F	144	LYS
51	2t	71	THR
14	2S	15	ARG
49	2r	44	LEU
39	2h	22	GLU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 138 such sidechains are listed below:

Mol	Chain	Res	Type
36	2e	20	GLN
37	2f	100	ASN
47	2p	13	HIS
38	1g	28	ASN
38	1g	13	GLN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	476 (16%)	34 (1%)
1	2A	2791/2915 (95%)	501 (17%)	25 (0%)
2	1B	119/121 (98%)	8 (6%)	0

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Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
2	2B	118/121 (97%)	28 (23%)	0
32	1a	1497/1521 (98%)	265 (17%)	0
32	2a	1501/1521 (98%)	290 (19%)	0
53	1v	12/24 (50%)	1 (8%)	0
53	2v	12/24 (50%)	1 (8%)	0
54	1w	71/76 (93%)	23 (32%)	0
54	2w	68/76 (89%)	25 (36%)	0
55	1x	74/77 (96%)	10 (13%)	0
55	2x	74/77 (96%)	7 (9%)	0
56	1y	72/76 (94%)	26 (36%)	0
56	2y	70/76 (92%)	26 (37%)	0
All	All	9343/9620 (97%)	1687 (18%)	59 (0%)

5 of 1687 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	10	G
1	1A	12	U
1	1A	14	A
1	1A	34	C
1	1A	45	C

5 of 59 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	1A	2406	U
1	2A	2119	A
1	2A	266	G
1	2A	1992	G
1	2A	1442	G

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

90 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
54	PSU	1w	55	54	18,21,22	1.35	2 (11%)	21,30,33	2.10	3 (14%)
32	5MC	1a	1407	32	19,22,23	1.62	2 (10%)	26,32,35	1.20	3 (11%)
54	PSU	1w	39	54	18,21,22	1.34	2 (11%)	21,30,33	2.02	4 (19%)
32	5MC	2a	1407	32	19,22,23	1.55	3 (15%)	26,32,35	1.12	3 (11%)
54	PSU	1w	32	57,54	18,21,22	1.29	2 (11%)	21,30,33	1.93	3 (14%)
55	5MC	1x	32	55	19,22,23	1.57	3 (15%)	26,32,35	1.32	3 (11%)
56	5MU	1y	54	56	19,22,23	1.49	5 (26%)	27,32,35	1.84	5 (18%)
55	31H	1x	76	57,55	31,34,35	1.13	3 (9%)	35,47,50	2.38	13 (37%)
56	4SU	1y	8	56	18,21,22	1.76	5 (27%)	25,30,33	1.90	5 (20%)
54	4SU	2w	8	54	18,21,22	1.68	4 (22%)	25,30,33	2.59	5 (20%)
56	7MG	2y	46	56	23,26,27	1.39	3 (13%)	27,39,42	2.79	8 (29%)
1	PSU	2A	1911	1	18,21,22	1.37	3 (16%)	21,30,33	2.17	4 (19%)
1	5MC	1A	1942	1	19,22,23	1.67	3 (15%)	26,32,35	1.24	3 (11%)
56	PSU	2y	32	56	18,21,22	1.39	2 (11%)	21,30,33	1.90	4 (19%)
54	F3N	1w	76	1,54	33,36,37	1.52	4 (12%)	41,51,54	1.81	9 (21%)
32	5MC	1a	1404	32	19,22,23	1.79	3 (15%)	26,32,35	1.08	2 (7%)
1	2MA	2A	2503	57,1	22,25,26	1.51	5 (22%)	32,37,40	2.32	8 (25%)
32	PSU	2a	516	32	18,21,22	1.36	2 (11%)	21,30,33	2.06	5 (23%)
56	PSU	1y	32	56	18,21,22	1.34	2 (11%)	21,30,33	1.91	3 (14%)
1	5MU	1A	1939	1	19,22,23	1.39	6 (31%)	27,32,35	2.29	6 (22%)
54	5MU	1w	54	54	19,22,23	1.38	4 (21%)	27,32,35	1.99	5 (18%)
32	M2G	1a	966	32	24,27,28	1.33	4 (16%)	33,40,43	1.86	5 (15%)
54	4SU	1w	8	54	18,21,22	1.85	5 (27%)	25,30,33	1.89	5 (20%)
54	5MU	2w	54	54	19,22,23	1.36	3 (15%)	27,32,35	1.94	6 (22%)
32	PSU	1a	516	32	18,21,22	1.37	2 (11%)	21,30,33	2.04	5 (23%)
56	PSU	2y	55	56	18,21,22	1.40	2 (11%)	21,30,33	1.97	4 (19%)
1	PSU	2A	1917	1	18,21,22	1.38	2 (11%)	21,30,33	2.03	4 (19%)
54	7MG	1w	46	54	23,26,27	1.43	4 (17%)	27,39,42	2.53	7 (25%)
1	PSU	1A	1911	1	18,21,22	1.43	2 (11%)	21,30,33	2.07	4 (19%)
32	7MG	1a	527	32	23,26,27	1.38	3 (13%)	27,39,42	2.55	7 (25%)
1	2MU	1A	2552	57,1	19,22,24	1.24	3 (15%)	25,31,36	1.91	7 (28%)
56	PSU	2y	39	56	18,21,22	1.34	2 (11%)	21,30,33	1.99	4 (19%)
32	MA6	1a	1519	32	23,26,27	0.47	0	33,38,41	2.12	9 (27%)
1	OMG	2A	2251	57,55,1	23,26,27	1.23	4 (17%)	32,38,41	1.87	6 (18%)
54	PSU	2w	55	54	18,21,22	1.36	2 (11%)	21,30,33	1.94	4 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	OMG	1A	2251	57,55,1	23,26,27	1.31	3 (13%)	32,38,41	1.92	7 (21%)
32	5MC	1a	967	32	19,22,23	1.58	3 (15%)	26,32,35	1.15	3 (11%)
54	PSU	2w	32	54	18,21,22	1.35	2 (11%)	21,30,33	1.82	3 (14%)
55	5MU	1x	54	55	19,22,23	1.36	4 (21%)	27,32,35	1.96	6 (22%)
1	2MU	2A	2552	57,1	19,22,24	1.30	3 (15%)	25,31,36	1.93	6 (24%)
32	4OC	2a	1402	32	20,23,24	0.76	0	25,32,35	1.08	3 (12%)
32	5MC	2a	967	57,32	19,22,23	1.78	3 (15%)	26,32,35	1.19	4 (15%)
56	7MG	1y	46	56	23,26,27	1.40	3 (13%)	27,39,42	2.69	6 (22%)
1	MA6	1A	2058	57,1	23,26,27	0.41	0	33,38,41	2.18	9 (27%)
1	5MC	2A	1962	57,1	19,22,23	1.78	3 (15%)	26,32,35	1.07	2 (7%)
32	2MG	2a	1207	32	23,26,27	1.23	3 (13%)	33,38,41	2.14	8 (24%)
32	7MG	2a	527	57,32	23,26,27	1.28	3 (13%)	27,39,42	2.62	7 (25%)
54	7MG	2w	46	54	23,26,27	1.33	3 (13%)	27,39,42	2.60	7 (25%)
32	2MG	1a	1207	32	23,26,27	1.24	3 (13%)	33,38,41	2.21	9 (27%)
54	MIA	1w	37	54	28,31,32	2.44	7 (25%)	38,44,47	2.71	11 (28%)
55	5MU	2x	54	55	19,22,23	1.40	6 (31%)	27,32,35	2.14	6 (22%)
1	2MA	1A	2503	57,1	22,25,26	1.44	4 (18%)	32,37,40	2.32	9 (28%)
1	MA6	2A	2058	1	23,26,27	0.41	0	33,38,41	2.09	7 (21%)
1	5MC	2A	1942	1	19,22,23	1.75	3 (15%)	26,32,35	1.19	3 (11%)
32	MA6	2a	1519	32	23,26,27	0.43	0	33,38,41	2.13	9 (27%)
32	5MC	2a	1404	32	19,22,23	1.60	3 (15%)	26,32,35	1.17	3 (11%)
55	PSU	2x	55	55	18,21,22	1.37	2 (11%)	21,30,33	2.00	4 (19%)
55	4SU	1x	8	55	18,21,22	2.15	4 (22%)	25,30,33	1.54	5 (20%)
56	MIA	1y	37	56	21,24,32	1.59	4 (19%)	30,35,47	2.07	7 (23%)
56	PSU	1y	55	56	18,21,22	1.39	2 (11%)	21,30,33	2.07	3 (14%)
55	PSU	1x	55	55	18,21,22	1.38	2 (11%)	21,30,33	1.96	3 (14%)
32	MA6	2a	1518	32	23,26,27	0.43	0	33,38,41	2.06	10 (30%)
32	M2G	2a	966	32	24,27,28	1.32	4 (16%)	33,40,43	1.85	6 (18%)
55	4SU	2x	8	55	18,21,22	2.11	4 (22%)	25,30,33	1.56	6 (24%)
1	PSU	1A	2605	57,1	18,21,22	1.44	3 (16%)	21,30,33	2.07	5 (23%)
56	5MU	2y	54	56	19,22,23	1.47	4 (21%)	27,32,35	2.12	5 (18%)
56	4SU	2y	8	56	18,21,22	1.87	5 (27%)	25,30,33	1.99	5 (20%)
56	PSU	1y	39	56	18,21,22	1.37	2 (11%)	21,30,33	1.91	4 (19%)
1	5MC	1A	1962	57,1	19,22,23	1.94	3 (15%)	26,32,35	1.19	3 (11%)
32	UR3	1a	1498	32	19,22,23	1.02	2 (10%)	26,32,35	1.78	3 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	4OC	1a	1402	32	20,23,24	0.76	0	25,32,35	1.06	1 (4%)
43	0TD	1l	92	43	8,9,10	4.55	1 (12%)	6,11,13	9.51	3 (50%)
1	PSU	1A	1917	1	18,21,22	1.38	2 (11%)	21,30,33	2.02	3 (14%)
55	31H	2x	76	57,55	31,34,35	1.18	3 (9%)	35,47,50	2.09	11 (31%)
54	PSU	2w	39	54	18,21,22	1.45	2 (11%)	21,30,33	1.68	4 (19%)
54	MIA	2w	37	54	24,27,32	2.04	5 (20%)	32,39,47	2.59	11 (34%)
32	MA6	1a	1518	32	23,26,27	0.42	0	33,38,41	1.93	8 (24%)
32	5MC	1a	1400	32	19,22,23	1.72	3 (15%)	26,32,35	1.12	3 (11%)
32	UR3	2a	1498	32	19,22,23	1.06	2 (10%)	26,32,35	1.81	3 (11%)
55	5MC	2x	32	55	19,22,23	1.69	3 (15%)	26,32,35	1.27	4 (15%)
1	4OC	1A	1920	1	19,22,24	0.83	0	25,31,35	0.91	0
1	PSU	2A	2605	1	18,21,22	1.46	3 (16%)	21,30,33	2.00	5 (23%)
32	5MC	2a	1400	32	19,22,23	1.68	3 (15%)	26,32,35	1.18	3 (11%)
1	5MU	2A	1915	1	19,22,23	1.41	5 (26%)	27,32,35	2.14	6 (22%)
1	5MU	1A	1915	1	19,22,23	1.37	5 (26%)	27,32,35	2.30	7 (25%)
56	MIA	2y	37	56	21,24,32	1.67	3 (14%)	30,35,47	2.04	8 (26%)
54	F3N	2w	76	1,54	33,36,37	1.49	5 (15%)	41,51,54	1.75	10 (24%)
43	0TD	2l	92	43	8,9,10	4.51	1 (12%)	6,11,13	8.69	3 (50%)
1	5MU	2A	1939	57,1	19,22,23	1.33	4 (21%)	27,32,35	2.29	6 (22%)
1	4OC	2A	1920	1	19,22,24	0.80	0	25,31,35	0.89	1 (4%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
54	PSU	1w	39	54	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
54	PSU	1w	32	57,54	-	0/7/25/26	0/2/2/2
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
56	5MU	1y	54	56	-	2/7/25/26	0/2/2/2
55	31H	1x	76	57,55	-	5/22/40/41	0/3/3/3
56	4SU	1y	8	56	-	3/7/25/26	0/2/2/2
54	4SU	2w	8	54	-	1/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
56	7MG	2y	46	56	-	5/7/37/38	0/3/3/3
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
1	5MC	1A	1942	1	-	0/7/25/26	0/2/2/2
56	PSU	2y	32	56	-	2/7/25/26	0/2/2/2
54	F3N	1w	76	1,54	-	0/19/37/38	0/4/4/4
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	57,1	-	0/7/25/26	0/3/3/3
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
56	PSU	1y	32	56	-	0/7/25/26	0/2/2/2
1	5MU	1A	1939	1	-	0/7/25/26	0/2/2/2
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
54	5MU	2w	54	54	-	2/7/25/26	0/2/2/2
32	PSU	1a	516	32	-	0/7/25/26	0/2/2/2
56	PSU	2y	55	56	-	5/7/25/26	0/2/2/2
1	PSU	2A	1917	1	-	1/7/25/26	0/2/2/2
54	7MG	1w	46	54	-	2/7/37/38	0/3/3/3
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
32	7MG	1a	527	32	-	3/7/37/38	0/3/3/3
1	2MU	1A	2552	57,1	-	0/9/27/28	0/2/2/2
56	PSU	2y	39	56	-	0/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	3/11/29/30	0/3/3/3
1	OMG	2A	2251	57,55,1	-	1/9/27/28	0/3/3/3
54	PSU	2w	55	54	-	0/7/25/26	0/2/2/2
1	OMG	1A	2251	57,55,1	-	0/9/27/28	0/3/3/3
32	5MC	1a	967	32	-	1/7/25/26	0/2/2/2
54	PSU	2w	32	54	-	2/7/25/26	0/2/2/2
55	5MU	1x	54	55	-	0/7/25/26	0/2/2/2
1	2MU	2A	2552	57,1	-	0/9/27/28	0/2/2/2
32	4OC	2a	1402	32	-	1/9/29/30	0/2/2/2
32	5MC	2a	967	57,32	-	1/7/25/26	0/2/2/2
56	7MG	1y	46	56	-	1/7/37/38	0/3/3/3
1	MA6	1A	2058	57,1	-	0/11/29/30	0/3/3/3
1	5MC	2A	1962	57,1	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/9/27/28	0/3/3/3
32	7MG	2a	527	57,32	-	3/7/37/38	0/3/3/3
54	7MG	2w	46	54	-	3/7/37/38	0/3/3/3
32	2MG	1a	1207	32	-	0/9/27/28	0/3/3/3
54	MIA	1w	37	54	-	2/15/33/34	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
1	2MA	1A	2503	57,1	-	1/7/25/26	0/3/3/3
1	MA6	2A	2058	1	-	0/11/29/30	0/3/3/3
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
32	MA6	2a	1519	32	-	3/11/29/30	0/3/3/3
32	5MC	2a	1404	32	-	2/7/25/26	0/2/2/2
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
56	MIA	1y	37	56	-	0/7/25/34	0/3/3/3
56	PSU	1y	55	56	-	0/7/25/26	0/2/2/2
55	PSU	1x	55	55	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/11/29/30	0/3/3/3
32	M2G	2a	966	32	-	0/11/29/30	0/3/3/3
55	4SU	2x	8	55	-	0/7/25/26	0/2/2/2
1	PSU	1A	2605	57,1	-	0/7/25/26	0/2/2/2
56	5MU	2y	54	56	-	0/7/25/26	0/2/2/2
56	4SU	2y	8	56	-	0/7/25/26	0/2/2/2
56	PSU	1y	39	56	-	0/7/25/26	0/2/2/2
1	5MC	1A	1962	57,1	-	0/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	0/9/29/30	0/2/2/2
43	0TD	1l	92	43	-	3/7/12/14	-
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
55	31H	2x	76	57,55	-	3/22/40/41	0/3/3/3
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
54	MIA	2w	37	54	-	1/11/29/34	0/3/3/3
32	MA6	1a	1518	32	-	0/11/29/30	0/3/3/3
32	5MC	1a	1400	32	-	0/7/25/26	0/2/2/2
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2
1	4OC	1A	1920	1	-	0/9/27/30	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1400	32	-	4/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	0/7/25/26	0/2/2/2
1	5MU	1A	1915	1	-	0/7/25/26	0/2/2/2
56	MIA	2y	37	56	-	3/7/25/34	0/3/3/3
54	F3N	2w	76	1,54	-	2/19/37/38	0/4/4/4
43	0TD	2l	92	43	-	2/7/12/14	-
1	5MU	2A	1939	57,1	-	0/7/25/26	0/2/2/2
1	4OC	2A	1920	1	-	0/9/27/30	0/2/2/2

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	1l	92	0TD	CB-SB	-12.37	1.69	1.82
43	2l	92	0TD	CB-SB	-12.37	1.69	1.82
54	1w	37	MIA	C2-S10	-8.14	1.69	1.75
1	1A	1962	5MC	C5-C4	7.35	1.49	1.44
54	1w	37	MIA	C13-C14	6.84	1.52	1.32

The worst 5 of 478 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
43	1l	92	0TD	CSB-SB-CB	-22.85	61.30	102.36
43	2l	92	0TD	CSB-SB-CB	-20.94	64.73	102.36
56	2y	46	7MG	N9-C4-N3	9.95	140.04	125.46
56	1y	46	7MG	N9-C4-N3	9.64	139.59	125.46
54	1w	37	MIA	C12-C13-C14	-9.50	109.96	127.01

There are no chirality outliers.

5 of 73 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
32	1a	1519	MA6	O4'-C4'-C5'-O5'
43	1l	92	0TD	O-C-CA-CB
43	1l	92	0TD	CA-CB-SB-CSB
43	1l	92	0TD	CG-CB-SB-CSB
32	2a	1519	MA6	O4'-C4'-C5'-O5'

There are no ring outliers.

53 monomers are involved in 78 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
54	1w	55	PSU	1	0
54	1w	39	PSU	1	0
56	1y	54	5MU	1	0
55	1x	76	31H	2	0
56	1y	8	4SU	1	0
54	2w	8	4SU	1	0
56	2y	46	7MG	1	0
54	1w	76	F3N	1	0
32	1a	1404	5MC	1	0
1	2A	2503	2MA	2	0
1	1A	1939	5MU	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
54	1w	54	5MU	2	0
32	1a	966	M2G	3	0
54	2w	54	5MU	1	0
32	1a	516	PSU	1	0
56	2y	55	PSU	7	0
1	1A	2552	2MU	1	0
56	2y	39	PSU	1	0
32	1a	1519	MA6	2	0
1	2A	2251	OMG	1	0
54	2w	55	PSU	1	0
32	1a	967	5MC	1	0
1	2A	2552	2MU	2	0
32	2a	1402	4OC	3	0
32	2a	967	5MC	1	0
56	1y	46	7MG	3	0
32	2a	1207	2MG	2	0
32	2a	527	7MG	1	0
54	2w	46	7MG	1	0
1	1A	2503	2MA	1	0
1	2A	2058	MA6	1	0
32	2a	1519	MA6	4	0
32	2a	1404	5MC	1	0
55	2x	55	PSU	1	0
55	1x	8	4SU	1	0
56	1y	37	MIA	1	0
56	1y	55	PSU	1	0
55	1x	55	PSU	1	0
32	2a	1518	MA6	3	0
32	2a	966	M2G	1	0
56	1y	39	PSU	1	0
1	1A	1917	PSU	1	0
55	2x	76	31H	3	0
54	2w	39	PSU	2	0
54	2w	37	MIA	1	0
32	1a	1518	MA6	3	0
55	2x	32	5MC	1	0
1	1A	1920	4OC	1	0
1	2A	1915	5MU	1	0
56	2y	37	MIA	1	0
54	2w	76	F3N	5	0
43	2l	92	0TD	3	0
1	2A	1939	5MU	2	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2832 ligands modelled in this entry, 2830 are monoatomic - leaving 2 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
60	SF4	2d	303	35	0,12,12	-	-	-		
60	SF4	1d	302	35	0,12,12	-	-	-		

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
60	SF4	2d	303	35	-	-	0/6/5/5
60	SF4	1d	302	35	-	-	0/6/5/5

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

1 monomer is involved in 1 short contact:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
60	2d	303	SF4	1	0

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%)	-0.42	127 (4%)	39	34	19, 36, 83, 94	0
1	2A	2788/2915 (95%)	0.08	135 (4%)	35	32	32, 53, 82, 93	0
2	1B	120/121 (99%)	-0.32	0	100	100	31, 47, 59, 79	0
2	2B	120/121 (99%)	0.54	0	100	100	56, 64, 72, 78	0
3	1D	275/276 (99%)	0.03	3 (1%)	78	74	21, 36, 50, 65	0
3	2D	275/276 (99%)	0.42	11 (4%)	42	38	29, 46, 57, 75	0
4	1E	204/206 (99%)	0.01	0	100	100	21, 40, 58, 63	0
4	2E	204/206 (99%)	0.58	4 (1%)	65	60	33, 54, 65, 73	0
5	1F	203/210 (96%)	0.12	3 (1%)	72	68	21, 42, 64, 71	0
5	2F	203/210 (96%)	0.70	8 (3%)	43	39	33, 59, 70, 77	0
6	1G	181/182 (99%)	0.61	7 (3%)	43	39	39, 54, 66, 75	0
6	2G	181/182 (99%)	1.15	17 (9%)	14	11	57, 66, 73, 81	0
7	1H	174/180 (96%)	0.49	4 (2%)	61	57	35, 51, 60, 68	0
7	2H	174/180 (96%)	1.42	31 (17%)	4	3	59, 72, 79, 82	0
8	1I	146/148 (98%)	0.84	3 (2%)	63	59	44, 64, 70, 73	0
8	2I	146/148 (98%)	1.24	19 (13%)	7	5	53, 65, 73, 76	0
9	1N	140/140 (100%)	-0.01	1 (0%)	84	81	25, 37, 54, 65	0
9	2N	140/140 (100%)	0.77	5 (3%)	46	42	43, 57, 69, 73	0
10	1O	122/122 (100%)	-0.04	0	100	100	26, 39, 54, 58	0
10	2O	122/122 (100%)	0.63	2 (1%)	70	66	43, 55, 64, 69	0
11	1P	149/150 (99%)	0.20	1 (0%)	84	81	19, 45, 64, 70	0
11	2P	149/150 (99%)	0.91	12 (8%)	18	14	36, 58, 71, 79	0
12	1Q	141/141 (100%)	0.06	0	100	100	24, 38, 51, 62	0
12	2Q	141/141 (100%)	0.90	10 (7%)	22	18	40, 58, 67, 71	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.13	0 100 100	24, 34, 48, 53	0
13	2R	118/118 (100%)	0.50	5 (4%) 40 36	39, 49, 58, 65	0
14	1S	110/112 (98%)	0.34	0 100 100	36, 47, 57, 62	0
14	2S	110/112 (98%)	0.94	4 (3%) 46 42	51, 61, 68, 71	0
15	1T	131/146 (89%)	0.24	3 (2%) 61 57	32, 44, 64, 73	0
15	2T	131/146 (89%)	0.66	2 (1%) 72 68	46, 56, 66, 73	0
16	1U	116/118 (98%)	-0.31	0 100 100	20, 30, 44, 53	0
16	2U	116/118 (98%)	0.75	3 (2%) 57 53	41, 54, 66, 72	0
17	1V	101/101 (100%)	-0.10	1 (0%) 79 76	22, 39, 54, 63	0
17	2V	101/101 (100%)	0.81	3 (2%) 52 48	42, 62, 68, 76	0
18	1W	112/113 (99%)	-0.13	0 100 100	24, 32, 49, 77	0
18	2W	112/113 (99%)	0.43	2 (1%) 67 63	35, 48, 61, 78	0
19	1X	95/96 (98%)	0.08	1 (1%) 78 74	27, 40, 57, 68	0
19	2X	95/96 (98%)	0.77	8 (8%) 17 14	44, 55, 69, 73	0
20	1Y	107/110 (97%)	0.40	1 (0%) 81 78	35, 49, 62, 68	0
20	2Y	107/110 (97%)	1.12	10 (9%) 14 11	52, 63, 72, 79	0
21	1Z	154/206 (74%)	0.89	19 (12%) 8 6	37, 58, 74, 78	0
21	2Z	160/206 (77%)	1.47	40 (25%) 2 1	57, 69, 78, 84	0
22	10	83/85 (97%)	-0.02	0 100 100	27, 36, 47, 61	0
22	20	83/85 (97%)	0.85	8 (9%) 13 10	44, 54, 61, 69	0
23	11	97/98 (98%)	0.45	2 (2%) 63 59	30, 46, 64, 72	0
23	21	97/98 (98%)	0.78	4 (4%) 41 37	38, 52, 66, 74	0
24	12	70/72 (97%)	0.33	1 (1%) 73 69	33, 46, 57, 62	0
24	22	70/72 (97%)	0.82	1 (1%) 73 69	53, 63, 69, 75	0
25	13	59/60 (98%)	-0.16	0 100 100	23, 35, 54, 66	0
25	23	59/60 (98%)	0.82	1 (1%) 69 65	49, 57, 65, 69	0
26	14	69/71 (97%)	1.10	12 (17%) 4 3	50, 66, 74, 77	0
26	24	69/71 (97%)	1.53	16 (23%) 2 1	65, 72, 78, 80	0
27	15	59/60 (98%)	-0.18	1 (1%) 69 65	21, 32, 47, 58	0
27	25	59/60 (98%)	0.45	2 (3%) 48 44	33, 51, 62, 67	0
28	16	53/54 (98%)	0.13	0 100 100	32, 43, 52, 58	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.71	1 (1%) 66 62	45, 53, 59, 62	0
29	17	48/49 (97%)	-0.24	0 100 100	21, 27, 44, 55	0
29	27	48/49 (97%)	0.24	2 (4%) 40 36	35, 40, 58, 63	0
30	18	64/65 (98%)	-0.03	0 100 100	28, 35, 41, 52	0
30	28	64/65 (98%)	0.66	1 (1%) 70 66	42, 51, 55, 59	0
31	19	37/37 (100%)	-0.14	0 100 100	27, 38, 48, 51	0
31	29	37/37 (100%)	0.82	1 (2%) 56 52	53, 60, 65, 67	0
32	1a	1488/1521 (97%)	0.23	30 (2%) 65 60	33, 58, 80, 89	0
32	2a	1491/1521 (98%)	0.48	41 (2%) 56 52	46, 67, 81, 93	0
33	1b	231/256 (90%)	1.14	24 (10%) 11 9	55, 66, 74, 78	0
33	2b	231/256 (90%)	1.41	44 (19%) 3 2	61, 72, 77, 82	0
34	1c	206/239 (86%)	0.83	8 (3%) 43 39	50, 61, 71, 77	0
34	2c	206/239 (86%)	1.35	35 (16%) 4 3	62, 71, 75, 81	0
35	1d	208/209 (99%)	0.94	14 (6%) 24 20	48, 60, 68, 72	0
35	2d	208/209 (99%)	0.97	11 (5%) 32 28	51, 62, 69, 75	0
36	1e	148/162 (91%)	0.63	4 (2%) 56 52	47, 57, 66, 67	0
36	2e	148/162 (91%)	1.14	13 (8%) 15 12	57, 65, 71, 75	0
37	1f	100/101 (99%)	0.64	1 (1%) 79 76	49, 58, 66, 67	0
37	2f	100/101 (99%)	0.70	3 (3%) 52 48	51, 61, 65, 67	0
38	1g	155/156 (99%)	0.91	15 (9%) 13 10	50, 62, 72, 80	0
38	2g	155/156 (99%)	1.34	22 (14%) 6 5	60, 69, 74, 77	0
39	1h	137/138 (99%)	0.78	5 (3%) 46 42	49, 59, 65, 68	0
39	2h	137/138 (99%)	1.10	12 (8%) 15 12	55, 66, 72, 78	0
40	1i	127/128 (99%)	1.18	11 (8%) 16 13	49, 65, 73, 75	0
40	2i	127/128 (99%)	1.61	40 (31%) 1 1	56, 71, 76, 80	0
41	1j	97/105 (92%)	1.17	10 (10%) 12 9	51, 66, 73, 76	0
41	2j	96/105 (91%)	1.72	28 (29%) 1 1	63, 73, 77, 80	0
42	1k	114/129 (88%)	0.79	2 (1%) 67 63	41, 59, 67, 73	0
42	2k	114/129 (88%)	0.97	10 (8%) 15 12	51, 64, 70, 76	0
43	1l	121/132 (91%)	0.52	2 (1%) 69 65	40, 48, 58, 64	0
43	2l	121/132 (91%)	0.92	8 (6%) 24 20	47, 58, 66, 74	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	123/126 (97%)	0.88	6 (4%) 35 31	50, 61, 66, 71	0
44	2m	122/126 (96%)	1.45	23 (18%) 3 2	59, 69, 74, 76	0
45	1n	60/61 (98%)	0.99	2 (3%) 49 45	48, 58, 63, 69	0
45	2n	60/61 (98%)	2.06	29 (48%) 0 0	66, 71, 76, 77	0
46	1o	88/89 (98%)	0.87	6 (6%) 23 20	43, 57, 65, 67	0
46	2o	88/89 (98%)	0.94	3 (3%) 48 44	54, 63, 70, 74	0
47	1p	82/88 (93%)	1.19	10 (12%) 8 6	53, 61, 65, 67	0
47	2p	82/88 (93%)	1.09	8 (9%) 13 10	54, 61, 67, 72	0
48	1q	99/105 (94%)	0.86	3 (3%) 52 48	50, 59, 66, 72	0
48	2q	99/105 (94%)	1.04	6 (6%) 27 23	56, 64, 71, 75	0
49	1r	68/88 (77%)	0.73	2 (2%) 53 50	50, 58, 68, 70	0
49	2r	68/88 (77%)	0.72	2 (2%) 53 50	56, 63, 71, 75	0
50	1s	83/93 (89%)	0.89	7 (8%) 17 14	53, 62, 67, 71	0
50	2s	83/93 (89%)	1.51	19 (22%) 2 1	64, 71, 76, 80	0
51	1t	96/106 (90%)	1.05	10 (10%) 11 9	52, 62, 69, 73	0
51	2t	96/106 (90%)	1.06	12 (12%) 8 6	55, 63, 72, 76	0
52	1u	23/27 (85%)	1.35	2 (8%) 16 13	54, 58, 65, 66	0
52	2u	23/27 (85%)	1.93	11 (47%) 0 0	65, 69, 71, 75	0
53	1v	13/24 (54%)	0.54	1 (7%) 19 16	45, 48, 77, 86	0
53	2v	13/24 (54%)	1.49	4 (30%) 1 1	56, 64, 85, 87	0
54	1w	66/76 (86%)	1.07	9 (13%) 7 5	25, 73, 83, 87	0
54	2w	64/76 (84%)	1.19	9 (14%) 6 5	44, 78, 85, 88	0
55	1x	71/77 (92%)	0.16	0 100 100	24, 55, 72, 75	0
55	2x	71/77 (92%)	0.42	1 (1%) 73 69	39, 65, 76, 83	0
56	1y	67/76 (88%)	1.57	14 (20%) 2 2	56, 83, 88, 90	0
56	2y	66/76 (86%)	1.75	20 (30%) 1 1	66, 86, 90, 92	0
All	All	20869/21748 (95%)	0.44	1170 (5%) 30 26	19, 57, 77, 94	0

The worst 5 of 1170 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	1A	652(V)	C	7.8
1	1A	652(U)	G	7.0

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Mol	Chain	Res	Type	RSRZ
1	1A	654	A	6.7
1	2A	2146	C	6.6
1	1A	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($\text{\AA}^2$)	Q<0.9
56	7MG	1y	46	24/25	0.54	0.18	74,84,96,103	0
56	4SU	2y	8	20/21	0.55	0.18	85,90,100,110	0
56	PSU	1y	55	20/21	0.61	0.16	81,84,96,104	0
56	5MU	2y	54	21/22	0.62	0.19	77,85,91,108	0
56	4SU	1y	8	20/21	0.67	0.15	82,86,93,99	0
56	MIA	2y	37	22/30	0.68	0.19	72,83,86,92	0
54	7MG	1w	46	24/25	0.68	0.16	65,76,91,106	0
54	7MG	2w	46	24/25	0.69	0.16	69,79,92,108	0
56	7MG	2y	46	24/25	0.69	0.16	78,86,90,106	0
56	PSU	2y	32	20/21	0.71	0.14	77,84,91,95	0
56	5MU	1y	54	21/22	0.74	0.15	78,80,87,94	0
56	PSU	2y	55	20/21	0.74	0.14	67,85,89,96	0
56	PSU	2y	39	20/21	0.75	0.15	78,83,91,95	0
56	PSU	1y	39	20/21	0.76	0.16	74,82,85,86	0
56	MIA	1y	37	22/30	0.77	0.17	72,77,83,92	0
56	PSU	1y	32	20/21	0.81	0.14	70,78,85,94	0
54	4SU	2w	8	20/21	0.83	0.13	74,80,90,93	0
54	PSU	2w	55	20/21	0.83	0.12	64,71,80,81	0
54	4SU	1w	8	20/21	0.87	0.12	69,76,83,84	0
55	5MU	2x	54	21/22	0.90	0.13	67,71,76,79	0
32	2MG	2a	1207	24/25	0.90	0.13	66,70,73,75	0
54	PSU	1w	55	20/21	0.91	0.11	53,61,68,69	0
55	PSU	2x	55	20/21	0.91	0.11	58,67,70,74	0
43	0TD	2l	92	10/11	0.92	0.11	49,56,61,72	0
1	5MU	2A	1915	21/22	0.92	0.12	51,58,62,64	0
55	5MC	2x	32	21/22	0.92	0.15	57,62,69,74	0
43	0TD	1l	92	10/11	0.92	0.10	38,45,48,62	0
54	PSU	1w	32	20/21	0.92	0.12	49,58,63,64	0
54	PSU	2w	32	20/21	0.92	0.15	61,69,76,81	0
32	5MC	2a	967	21/22	0.93	0.13	54,63,68,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
55	4SU	1x	8	20/21	0.93	0.10	52,58,63,66	0
55	5MU	1x	54	21/22	0.93	0.10	52,60,64,66	0
55	4SU	2x	8	20/21	0.93	0.10	61,65,72,73	0
55	PSU	1x	55	20/21	0.93	0.10	51,55,65,68	0
32	7MG	2a	527	24/25	0.93	0.11	53,58,70,76	0
32	M2G	2a	966	25/26	0.93	0.13	54,60,72,75	0
54	5MU	2w	54	21/22	0.93	0.11	49,65,70,73	0
54	PSU	2w	39	20/21	0.94	0.12	60,67,72,74	0
32	5MC	2a	1400	21/22	0.94	0.14	53,59,67,70	0
32	5MC	2a	1404	21/22	0.94	0.11	47,55,60,69	0
32	PSU	2a	516	20/21	0.94	0.10	55,63,67,69	0
1	5MC	2A	1942	21/22	0.95	0.09	43,50,54,63	0
1	5MC	2A	1962	21/22	0.95	0.09	37,46,56,61	0
32	5MC	2a	1407	21/22	0.95	0.11	48,53,57,64	0
32	MA6	2a	1519	24/25	0.95	0.12	45,55,59,61	0
55	5MC	1x	32	21/22	0.95	0.12	40,45,51,56	0
32	2MG	1a	1207	24/25	0.95	0.10	44,56,63,68	0
54	MIA	2w	37	25/30	0.95	0.11	53,65,69,75	0
32	5MC	1a	1400	21/22	0.95	0.10	39,47,50,54	0
32	7MG	1a	527	24/25	0.95	0.10	37,44,49,58	0
32	4OC	2a	1402	22/23	0.95	0.11	46,55,58,61	0
54	5MU	1w	54	21/22	0.95	0.09	44,54,59,66	0
1	5MU	1A	1915	21/22	0.95	0.10	35,48,55,60	0
32	M2G	1a	966	25/26	0.95	0.10	44,50,56,59	0
1	PSU	2A	1917	20/21	0.95	0.09	45,55,60,62	0
32	PSU	1a	516	20/21	0.96	0.07	41,47,51,52	0
55	31H	2x	76	32/33	0.96	0.10	35,43,50,55	0
1	MA6	2A	2058	24/25	0.96	0.10	30,39,45,45	0
1	2MU	2A	2552	21/23	0.96	0.09	35,43,49,53	0
1	PSU	2A	1911	20/21	0.96	0.09	49,53,60,62	0
32	5MC	1a	1404	21/22	0.96	0.10	33,41,46,47	0
32	MA6	2a	1518	24/25	0.96	0.11	45,54,59,61	0
54	F3N	2w	76	33/34	0.96	0.10	29,39,44,46	0
32	MA6	1a	1519	24/25	0.96	0.10	35,39,46,48	0
1	4OC	2A	1920	21/23	0.96	0.08	51,56,58,60	0
54	PSU	1w	39	20/21	0.96	0.09	45,52,58,62	0
1	5MC	1A	1942	21/22	0.97	0.08	27,38,44,52	0
32	5MC	1a	1407	21/22	0.97	0.08	31,41,44,46	0
1	PSU	1A	1911	20/21	0.97	0.08	36,43,51,51	0
32	UR3	1a	1498	21/22	0.97	0.09	36,42,47,48	0
1	OMG	2A	2251	24/25	0.97	0.09	29,36,43,46	0
32	4OC	1a	1402	22/23	0.97	0.08	37,42,47,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
1	PSU	2A	2605	20/21	0.97	0.08	28,37,42,43	0
32	5MC	1a	967	21/22	0.97	0.10	38,50,55,57	0
32	UR3	2a	1498	21/22	0.97	0.10	49,52,58,59	0
55	31H	1x	76	32/33	0.97	0.09	19,26,36,36	10
1	5MU	2A	1939	21/22	0.97	0.09	29,37,41,44	0
54	MIA	1w	37	29/30	0.97	0.09	36,45,59,63	0
32	MA6	1a	1518	24/25	0.98	0.08	32,42,46,46	0
1	MA6	1A	2058	24/25	0.98	0.07	15,22,29,39	0
1	4OC	1A	1920	21/23	0.98	0.08	29,40,44,45	0
1	OMG	1A	2251	24/25	0.98	0.06	20,27,31,34	0
1	PSU	1A	1917	20/21	0.98	0.07	27,43,47,48	0
1	2MA	1A	2503	23/24	0.98	0.07	15,23,28,30	0
1	2MA	2A	2503	23/24	0.98	0.09	30,35,39,41	0
1	2MU	1A	2552	21/23	0.98	0.06	19,27,29,38	0
1	5MC	1A	1962	21/22	0.98	0.06	20,32,35,39	0
1	PSU	1A	2605	20/21	0.98	0.06	23,27,30,32	0
54	F3N	1w	76	33/34	0.99	0.05	17,22,26,27	0
1	5MU	1A	1939	21/22	0.99	0.05	18,27,34,38	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	2B	218	1/1	0.59	0.20	81,81,81,81	0
57	MG	2a	1838	1/1	0.61	0.20	78,78,78,78	0
57	MG	2a	1825	1/1	0.62	0.19	76,76,76,76	0
57	MG	1B	225	1/1	0.63	0.22	72,72,72,72	0
57	MG	1A	4082	1/1	0.64	0.24	75,75,75,75	0
57	MG	2a	1734	1/1	0.66	0.15	88,88,88,88	0
57	MG	2A	3577	1/1	0.67	0.23	67,67,67,67	0
57	MG	1G	204	1/1	0.68	0.16	60,60,60,60	0
57	MG	2A	3605	1/1	0.69	0.31	72,72,72,72	0
57	MG	2A	3716	1/1	0.69	0.27	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3855	1/1	0.70	0.20	69,69,69,69	0
57	MG	1a	1764	1/1	0.71	0.35	66,66,66,66	0
57	MG	2a	1744	1/1	0.71	0.18	79,79,79,79	0
57	MG	2a	1801	1/1	0.71	0.18	67,67,67,67	0
57	MG	2A	3791	1/1	0.71	0.17	72,72,72,72	0
57	MG	1y	103	1/1	0.71	0.17	83,83,83,83	0
57	MG	2a	1618	1/1	0.72	0.22	68,68,68,68	0
57	MG	2A	3699	1/1	0.72	0.19	83,83,83,83	0
57	MG	1B	226	1/1	0.72	0.25	71,71,71,71	0
57	MG	2w	105	1/1	0.72	0.16	79,79,79,79	0
57	MG	1A	3996	1/1	0.73	0.23	70,70,70,70	0
57	MG	1A	3410	1/1	0.73	0.17	57,57,57,57	0
57	MG	2A	3731	1/1	0.73	0.19	64,64,64,64	0
57	MG	1A	3884	1/1	0.73	0.29	58,58,58,58	0
57	MG	2A	3589	1/1	0.74	0.17	66,66,66,66	0
57	MG	2A	3544	1/1	0.74	0.13	53,53,53,53	0
57	MG	1A	4033	1/1	0.74	0.18	50,50,50,50	0
57	MG	2A	3872	1/1	0.74	0.20	59,59,59,59	0
57	MG	1A	3722	1/1	0.75	0.21	58,58,58,58	0
57	MG	2a	1807	1/1	0.75	0.18	55,55,55,55	0
57	MG	1a	1803	1/1	0.75	0.16	72,72,72,72	0
57	MG	2A	3853	1/1	0.75	0.15	45,45,45,45	0
57	MG	1A	3974	1/1	0.75	0.12	41,41,41,41	0
57	MG	1a	1699	1/1	0.76	0.31	69,69,69,69	0
57	MG	1d	301	1/1	0.76	0.27	61,61,61,61	0
57	MG	1A	3657	1/1	0.76	0.17	66,66,66,66	0
57	MG	2A	3764	1/1	0.76	0.23	66,66,66,66	0
57	MG	2A	3349	1/1	0.76	0.20	72,72,72,72	0
57	MG	2A	3633	1/1	0.76	0.20	54,54,54,54	0
57	MG	2A	3654	1/1	0.76	0.18	75,75,75,75	0
57	MG	2A	3669	1/1	0.76	0.23	75,75,75,75	0
57	MG	2a	1670	1/1	0.77	0.23	68,68,68,68	0
57	MG	2A	3773	1/1	0.77	0.23	51,51,51,51	0
57	MG	2A	3352	1/1	0.77	0.18	67,67,67,67	0
57	MG	2A	3678	1/1	0.77	0.18	52,52,52,52	0
57	MG	1A	4065	1/1	0.78	0.13	47,47,47,47	0
57	MG	2A	3617	1/1	0.78	0.20	51,51,51,51	0
57	MG	2A	3841	1/1	0.78	0.14	50,50,50,50	0
57	MG	2B	212	1/1	0.79	0.28	74,74,74,74	0
57	MG	1A	4046	1/1	0.79	0.12	44,44,44,44	0
57	MG	1A	4105	1/1	0.79	0.13	71,71,71,71	0
57	MG	2A	3748	1/1	0.79	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	1V	209	1/1	0.79	0.12	70,70,70,70	0
57	MG	2A	3768	1/1	0.79	0.19	62,62,62,62	0
57	MG	1A	4112	1/1	0.79	0.12	33,33,33,33	0
57	MG	1A	3430	1/1	0.79	0.22	56,56,56,56	0
57	MG	1a	1778	1/1	0.79	0.17	69,69,69,69	0
57	MG	1a	1788	1/1	0.79	0.13	67,67,67,67	0
57	MG	2w	102	1/1	0.79	0.26	73,73,73,73	0
57	MG	2A	3578	1/1	0.79	0.21	67,67,67,67	0
57	MG	2A	3402	1/1	0.80	0.22	61,61,61,61	0
57	MG	2N	201	1/1	0.80	0.20	71,71,71,71	0
57	MG	2A	3111	1/1	0.80	0.22	67,67,67,67	0
57	MG	2a	1829	1/1	0.80	0.18	63,63,63,63	0
57	MG	1a	1774	1/1	0.80	0.12	78,78,78,78	0
57	MG	1A	3292	1/1	0.80	0.17	53,53,53,53	0
57	MG	2A	3645	1/1	0.80	0.26	66,66,66,66	0
57	MG	18	106	1/1	0.81	0.16	60,60,60,60	0
57	MG	2A	3420	1/1	0.81	0.18	68,68,68,68	0
57	MG	2A	3422	1/1	0.81	0.15	61,61,61,61	0
57	MG	2A	3442	1/1	0.81	0.43	70,70,70,70	0
57	MG	2A	3683	1/1	0.81	0.18	62,62,62,62	0
57	MG	2A	3534	1/1	0.81	0.27	63,63,63,63	0
57	MG	2a	1681	1/1	0.81	0.24	64,64,64,64	0
57	MG	2a	1711	1/1	0.81	0.20	68,68,68,68	0
57	MG	1A	3892	1/1	0.81	0.18	31,31,31,31	0
57	MG	1v	101	1/1	0.81	0.16	67,67,67,67	0
57	MG	1A	4056	1/1	0.81	0.13	50,50,50,50	0
57	MG	2A	3090	1/1	0.81	0.13	61,61,61,61	0
57	MG	2A	3597	1/1	0.81	0.22	61,61,61,61	0
57	MG	1A	3854	1/1	0.81	0.14	57,57,57,57	0
57	MG	2a	1830	1/1	0.81	0.17	69,69,69,69	0
57	MG	2a	1837	1/1	0.81	0.16	61,61,61,61	0
57	MG	1A	3690	1/1	0.81	0.22	69,69,69,69	0
57	MG	2j	201	1/1	0.81	0.12	65,65,65,65	0
57	MG	1A	3779	1/1	0.81	0.10	23,23,23,23	0
57	MG	2A	3640	1/1	0.81	0.15	39,39,39,39	0
57	MG	2a	1620	1/1	0.82	0.15	65,65,65,65	0
57	MG	2a	1631	1/1	0.82	0.18	66,66,66,66	0
57	MG	2a	1664	1/1	0.82	0.20	78,78,78,78	0
57	MG	1a	1766	1/1	0.82	0.18	52,52,52,52	0
57	MG	2A	3752	1/1	0.82	0.20	51,51,51,51	0
57	MG	2A	3620	1/1	0.82	0.28	69,69,69,69	0
57	MG	2a	1724	1/1	0.82	0.24	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3916	1/1	0.82	0.12	43,43,43,43	0
57	MG	1A	4111	1/1	0.82	0.11	24,24,24,24	0
57	MG	2A	3101	1/1	0.82	0.28	71,71,71,71	0
57	MG	2A	3805	1/1	0.82	0.13	56,56,56,56	0
57	MG	2A	3811	1/1	0.82	0.20	55,55,55,55	0
57	MG	1A	3731	1/1	0.82	0.21	60,60,60,60	0
57	MG	2A	3258	1/1	0.82	0.18	68,68,68,68	0
57	MG	2a	1834	1/1	0.82	0.20	65,65,65,65	0
57	MG	2A	3287	1/1	0.82	0.31	64,64,64,64	0
57	MG	2A	3348	1/1	0.82	0.20	67,67,67,67	0
57	MG	1A	3651	1/1	0.82	0.15	59,59,59,59	0
57	MG	1A	3533	1/1	0.82	0.14	55,55,55,55	0
57	MG	2A	3380	1/1	0.82	0.16	66,66,66,66	0
57	MG	2y	106	1/1	0.82	0.13	67,67,67,67	0
57	MG	2A	3278	1/1	0.83	0.20	71,71,71,71	0
57	MG	1A	4073	1/1	0.83	0.09	35,35,35,35	0
57	MG	2A	3305	1/1	0.83	0.17	62,62,62,62	0
57	MG	2a	1797	1/1	0.83	0.16	61,61,61,61	0
57	MG	2A	3531	1/1	0.83	0.23	67,67,67,67	0
57	MG	2a	1803	1/1	0.83	0.17	65,65,65,65	0
57	MG	2A	3323	1/1	0.83	0.15	61,61,61,61	0
57	MG	2A	3758	1/1	0.83	0.12	42,42,42,42	0
57	MG	2a	1609	1/1	0.83	0.14	75,75,75,75	0
57	MG	1A	3748	1/1	0.83	0.15	68,68,68,68	0
57	MG	1A	3810	1/1	0.83	0.19	71,71,71,71	0
57	MG	2A	3115	1/1	0.83	0.36	65,65,65,65	0
57	MG	2A	3673	1/1	0.83	0.16	54,54,54,54	0
57	MG	2A	3235	1/1	0.83	0.29	64,64,64,64	0
57	MG	1A	4040	1/1	0.83	0.15	59,59,59,59	0
57	MG	2a	1698	1/1	0.83	0.19	59,59,59,59	0
57	MG	2A	3824	1/1	0.83	0.16	58,58,58,58	0
57	MG	2A	3819	1/1	0.84	0.14	51,51,51,51	0
57	MG	2A	3180	1/1	0.84	0.18	59,59,59,59	0
57	MG	1A	3415	1/1	0.84	0.24	65,65,65,65	0
57	MG	1a	1726	1/1	0.84	0.28	57,57,57,57	0
57	MG	2A	3857	1/1	0.84	0.15	43,43,43,43	0
57	MG	2A	3613	1/1	0.84	0.13	48,48,48,48	0
57	MG	2A	3882	1/1	0.84	0.20	64,64,64,64	0
57	MG	2A	3265	1/1	0.84	0.21	65,65,65,65	0
57	MG	1a	1748	1/1	0.84	0.16	68,68,68,68	0
57	MG	2F	306	1/1	0.84	0.15	56,56,56,56	0
57	MG	1A	3570	1/1	0.84	0.30	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3606	1/1	0.84	0.21	58,58,58,58	0
57	MG	1A	4090	1/1	0.84	0.16	65,65,65,65	0
57	MG	2A	3331	1/1	0.84	0.28	69,69,69,69	0
57	MG	2A	3664	1/1	0.84	0.16	59,59,59,59	0
57	MG	2A	3340	1/1	0.84	0.18	55,55,55,55	0
57	MG	1A	3733	1/1	0.84	0.12	53,53,53,53	0
57	MG	1A	3965	1/1	0.84	0.13	76,76,76,76	0
57	MG	1A	3615	1/1	0.84	0.12	36,36,36,36	0
57	MG	2A	3690	1/1	0.84	0.15	52,52,52,52	0
57	MG	1a	1818	1/1	0.84	0.11	69,69,69,69	0
57	MG	2A	3702	1/1	0.84	0.11	64,64,64,64	0
57	MG	2a	1743	1/1	0.84	0.15	66,66,66,66	0
57	MG	1A	3359	1/1	0.84	0.16	56,56,56,56	0
57	MG	1A	3798	1/1	0.84	0.19	75,75,75,75	0
57	MG	2A	3738	1/1	0.84	0.11	43,43,43,43	0
57	MG	1x	103	1/1	0.84	0.23	59,59,59,59	0
57	MG	1B	232	1/1	0.84	0.16	67,67,67,67	0
57	MG	2A	3507	1/1	0.84	0.18	66,66,66,66	0
57	MG	2A	3762	1/1	0.84	0.16	56,56,56,56	0
57	MG	1A	3461	1/1	0.84	0.20	61,61,61,61	0
57	MG	1A	3816	1/1	0.84	0.17	45,45,45,45	0
57	MG	2A	3106	1/1	0.84	0.18	64,64,64,64	0
57	MG	2A	3564	1/1	0.84	0.09	35,35,35,35	0
57	MG	1A	3674	1/1	0.84	0.11	38,38,38,38	0
57	MG	1a	1628	1/1	0.84	0.23	58,58,58,58	0
57	MG	2A	3814	1/1	0.84	0.12	73,73,73,73	0
57	MG	2A	3817	1/1	0.84	0.12	65,65,65,65	0
57	MG	1x	109	1/1	0.85	0.15	60,60,60,60	0
57	MG	1A	3646	1/1	0.85	0.11	52,52,52,52	0
57	MG	2a	1602	1/1	0.85	0.12	77,77,77,77	0
57	MG	2A	3028	1/1	0.85	0.15	51,51,51,51	0
57	MG	2A	3571	1/1	0.85	0.13	43,43,43,43	0
57	MG	2A	3743	1/1	0.85	0.18	48,48,48,48	0
57	MG	1l	105	1/1	0.85	0.12	47,47,47,47	0
57	MG	2A	3339	1/1	0.85	0.20	67,67,67,67	0
57	MG	2A	3753	1/1	0.85	0.11	64,64,64,64	0
57	MG	1A	3634	1/1	0.85	0.18	64,64,64,64	0
57	MG	2a	1685	1/1	0.85	0.20	59,59,59,59	0
57	MG	2a	1687	1/1	0.85	0.15	65,65,65,65	0
57	MG	2A	3341	1/1	0.85	0.28	60,60,60,60	0
57	MG	1a	1782	1/1	0.85	0.12	57,57,57,57	0
57	MG	1a	1787	1/1	0.85	0.12	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	4021	1/1	0.85	0.12	39,39,39,39	0
57	MG	2A	3366	1/1	0.85	0.15	59,59,59,59	0
57	MG	2A	3623	1/1	0.85	0.14	64,64,64,64	0
57	MG	2A	3367	1/1	0.85	0.15	63,63,63,63	0
57	MG	2A	3813	1/1	0.85	0.12	77,77,77,77	0
57	MG	2A	3373	1/1	0.85	0.12	64,64,64,64	0
57	MG	2A	3170	1/1	0.85	0.13	64,64,64,64	0
57	MG	2a	1817	1/1	0.85	0.20	62,62,62,62	0
57	MG	1A	3920	1/1	0.85	0.20	66,66,66,66	0
57	MG	1a	1722	1/1	0.85	0.13	62,62,62,62	0
57	MG	2A	3243	1/1	0.85	0.13	63,63,63,63	0
57	MG	2A	3430	1/1	0.85	0.27	54,54,54,54	0
57	MG	1B	227	1/1	0.85	0.15	59,59,59,59	0
57	MG	2A	3466	1/1	0.85	0.28	57,57,57,57	0
57	MG	2A	3686	1/1	0.85	0.16	59,59,59,59	0
57	MG	2B	208	1/1	0.85	0.13	59,59,59,59	0
57	MG	2w	103	1/1	0.85	0.28	69,69,69,69	0
57	MG	1A	3935	1/1	0.85	0.11	26,26,26,26	0
57	MG	2y	103	1/1	0.85	0.13	64,64,64,64	0
57	MG	1A	3797	1/1	0.85	0.10	28,28,28,28	0
57	MG	2A	3355	1/1	0.86	0.27	79,79,79,79	0
57	MG	2A	3357	1/1	0.86	0.12	56,56,56,56	0
57	MG	2A	3677	1/1	0.86	0.15	66,66,66,66	0
57	MG	2B	220	1/1	0.86	0.20	70,70,70,70	0
57	MG	1E	310	1/1	0.86	0.13	58,58,58,58	0
57	MG	1A	4030	1/1	0.86	0.20	42,42,42,42	0
57	MG	26	101	1/1	0.86	0.17	52,52,52,52	0
57	MG	1A	3353	1/1	0.86	0.14	70,70,70,70	0
57	MG	2a	1603	1/1	0.86	0.15	62,62,62,62	0
57	MG	2A	3687	1/1	0.86	0.20	64,64,64,64	0
57	MG	2a	1611	1/1	0.86	0.17	65,65,65,65	0
57	MG	2A	3008	1/1	0.86	0.15	58,58,58,58	0
57	MG	1A	3900	1/1	0.86	0.08	30,30,30,30	0
57	MG	18	104	1/1	0.86	0.15	52,52,52,52	0
57	MG	1A	3903	1/1	0.86	0.10	22,22,22,22	0
57	MG	1A	3914	1/1	0.86	0.28	33,33,33,33	0
57	MG	1A	3539	1/1	0.86	0.20	53,53,53,53	0
57	MG	2A	3739	1/1	0.86	0.14	65,65,65,65	0
57	MG	1a	1704	1/1	0.86	0.33	57,57,57,57	0
57	MG	2A	3124	1/1	0.86	0.33	72,72,72,72	0
57	MG	2a	1699	1/1	0.86	0.14	65,65,65,65	0
57	MG	2a	1710	1/1	0.86	0.15	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	4067	1/1	0.86	0.10	30,30,30,30	0
57	MG	2a	1719	1/1	0.86	0.30	74,74,74,74	0
57	MG	2A	3533	1/1	0.86	0.13	51,51,51,51	0
57	MG	2A	3174	1/1	0.86	0.17	70,70,70,70	0
57	MG	1A	4072	1/1	0.86	0.13	38,38,38,38	0
57	MG	1A	3293	1/1	0.86	0.12	55,55,55,55	0
57	MG	2a	1760	1/1	0.86	0.17	69,69,69,69	0
57	MG	2a	1772	1/1	0.86	0.12	66,66,66,66	0
57	MG	2a	1780	1/1	0.86	0.12	79,79,79,79	0
57	MG	1A	3925	1/1	0.86	0.09	26,26,26,26	0
57	MG	1A	4087	1/1	0.86	0.12	59,59,59,59	0
57	MG	1A	3759	1/1	0.86	0.11	66,66,66,66	0
57	MG	1A	4093	1/1	0.86	0.24	58,58,58,58	0
57	MG	2A	3285	1/1	0.86	0.17	64,64,64,64	0
57	MG	1A	3947	1/1	0.86	0.15	52,52,52,52	0
57	MG	1A	3849	1/1	0.86	0.24	57,57,57,57	0
57	MG	1A	3768	1/1	0.86	0.19	51,51,51,51	0
57	MG	1a	1792	1/1	0.86	0.18	53,53,53,53	0
57	MG	1a	1796	1/1	0.86	0.10	44,44,44,44	0
57	MG	1A	3991	1/1	0.86	0.18	67,67,67,67	0
57	MG	1A	3774	1/1	0.86	0.10	29,29,29,29	0
57	MG	1A	4008	1/1	0.86	0.10	33,33,33,33	0
57	MG	2A	3863	1/1	0.86	0.24	77,77,77,77	0
57	MG	1A	3326	1/1	0.86	0.12	48,48,48,48	0
57	MG	1x	101	1/1	0.86	0.10	22,22,22,22	0
57	MG	2B	203	1/1	0.86	0.31	66,66,66,66	0
57	MG	1R	204	1/1	0.87	0.21	44,44,44,44	0
57	MG	2A	3599	1/1	0.87	0.10	34,34,34,34	0
57	MG	2A	3602	1/1	0.87	0.25	60,60,60,60	0
57	MG	2A	3294	1/1	0.87	0.10	57,57,57,57	0
57	MG	2A	3297	1/1	0.87	0.15	66,66,66,66	0
57	MG	2A	3298	1/1	0.87	0.11	58,58,58,58	0
57	MG	2A	3618	1/1	0.87	0.20	61,61,61,61	0
57	MG	1A	3698	1/1	0.87	0.12	28,28,28,28	0
57	MG	2D	304	1/1	0.87	0.13	59,59,59,59	0
57	MG	2A	3310	1/1	0.87	0.15	56,56,56,56	0
57	MG	1Z	302	1/1	0.87	0.17	55,55,55,55	0
57	MG	2Q	204	1/1	0.87	0.15	54,54,54,54	0
57	MG	2A	3637	1/1	0.87	0.11	47,47,47,47	0
57	MG	2a	1601	1/1	0.87	0.13	61,61,61,61	0
57	MG	2A	3324	1/1	0.87	0.17	68,68,68,68	0
57	MG	2A	3327	1/1	0.87	0.15	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	1l	202	1/1	0.87	0.12	67,67,67,67	0
57	MG	1A	3933	1/1	0.87	0.09	67,67,67,67	0
57	MG	13	104	1/1	0.87	0.13	55,55,55,55	0
57	MG	1A	3705	1/1	0.87	0.10	33,33,33,33	0
57	MG	2A	3345	1/1	0.87	0.23	64,64,64,64	0
57	MG	2a	1646	1/1	0.87	0.30	63,63,63,63	0
57	MG	2a	1660	1/1	0.87	0.17	78,78,78,78	0
57	MG	1A	3720	1/1	0.87	0.10	42,42,42,42	0
57	MG	2A	3680	1/1	0.87	0.17	61,61,61,61	0
57	MG	1x	110	1/1	0.87	0.19	63,63,63,63	0
57	MG	1A	3952	1/1	0.87	0.11	49,49,49,49	0
57	MG	1A	4085	1/1	0.87	0.15	62,62,62,62	0
57	MG	1A	3958	1/1	0.87	0.08	23,23,23,23	0
57	MG	2A	3693	1/1	0.87	0.09	58,58,58,58	0
57	MG	2a	1707	1/1	0.87	0.16	62,62,62,62	0
57	MG	2A	3058	1/1	0.87	0.24	61,61,61,61	0
57	MG	1a	1705	1/1	0.87	0.19	60,60,60,60	0
57	MG	2a	1712	1/1	0.87	0.21	67,67,67,67	0
57	MG	1a	1720	1/1	0.87	0.34	57,57,57,57	0
57	MG	2a	1721	1/1	0.87	0.21	73,73,73,73	0
57	MG	1A	3821	1/1	0.87	0.13	51,51,51,51	0
57	MG	2a	1727	1/1	0.87	0.28	71,71,71,71	0
57	MG	1A	3521	1/1	0.87	0.19	52,52,52,52	0
57	MG	1A	3628	1/1	0.87	0.18	68,68,68,68	0
57	MG	1A	3522	1/1	0.87	0.14	65,65,65,65	0
57	MG	2A	3747	1/1	0.87	0.10	65,65,65,65	0
57	MG	2A	3424	1/1	0.87	0.10	54,54,54,54	0
57	MG	2A	3133	1/1	0.87	0.14	66,66,66,66	0
57	MG	1A	3335	1/1	0.87	0.25	60,60,60,60	0
57	MG	2A	3453	1/1	0.87	0.30	61,61,61,61	0
57	MG	1A	4121	1/1	0.87	0.26	57,57,57,57	0
57	MG	2a	1806	1/1	0.87	0.15	69,69,69,69	0
57	MG	1A	3756	1/1	0.87	0.11	44,44,44,44	0
57	MG	2A	3517	1/1	0.87	0.14	54,54,54,54	0
57	MG	2a	1822	1/1	0.87	0.17	65,65,65,65	0
57	MG	2A	3186	1/1	0.87	0.20	54,54,54,54	0
57	MG	2A	3211	1/1	0.87	0.17	59,59,59,59	0
57	MG	2A	3215	1/1	0.87	0.17	63,63,63,63	0
57	MG	2a	1833	1/1	0.87	0.14	68,68,68,68	0
57	MG	2A	3539	1/1	0.87	0.11	43,43,43,43	0
57	MG	1A	3647	1/1	0.87	0.11	44,44,44,44	0
57	MG	1A	3336	1/1	0.87	0.15	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	2d	301	1/1	0.87	0.33	58,58,58,58	0
57	MG	2A	3565	1/1	0.87	0.10	44,44,44,44	0
57	MG	2r	101	1/1	0.87	0.12	61,61,61,61	0
57	MG	2A	3568	1/1	0.87	0.15	63,63,63,63	0
57	MG	1A	3316	1/1	0.87	0.17	57,57,57,57	0
57	MG	1A	3594	1/1	0.87	0.13	50,50,50,50	0
57	MG	1a	1794	1/1	0.87	0.11	58,58,58,58	0
57	MG	1A	3211	1/1	0.87	0.16	62,62,62,62	0
57	MG	1x	111	1/1	0.88	0.16	63,63,63,63	0
57	MG	1A	3963	1/1	0.88	0.10	65,65,65,65	0
57	MG	1A	3683	1/1	0.88	0.10	24,24,24,24	0
57	MG	2A	3431	1/1	0.88	0.24	52,52,52,52	0
57	MG	2A	3439	1/1	0.88	0.13	56,56,56,56	0
57	MG	1R	201	1/1	0.88	0.12	45,45,45,45	0
57	MG	1A	3808	1/1	0.88	0.12	59,59,59,59	0
57	MG	2A	3456	1/1	0.88	0.20	56,56,56,56	0
57	MG	2A	3871	1/1	0.88	0.14	57,57,57,57	0
57	MG	1A	3978	1/1	0.88	0.29	56,56,56,56	0
57	MG	1A	3988	1/1	0.88	0.11	61,61,61,61	0
57	MG	2A	3889	1/1	0.88	0.24	55,55,55,55	0
57	MG	2A	3890	1/1	0.88	0.11	46,46,46,46	0
57	MG	1A	3593	1/1	0.88	0.17	50,50,50,50	0
57	MG	1A	3193	1/1	0.88	0.10	48,48,48,48	0
57	MG	15	107	1/1	0.88	0.11	53,53,53,53	0
57	MG	1A	4000	1/1	0.88	0.09	64,64,64,64	0
57	MG	1A	3604	1/1	0.88	0.18	53,53,53,53	0
57	MG	2A	3150	1/1	0.88	0.20	65,65,65,65	0
57	MG	2E	305	1/1	0.88	0.14	62,62,62,62	0
57	MG	2A	3153	1/1	0.88	0.19	60,60,60,60	0
57	MG	1a	1604	1/1	0.88	0.16	57,57,57,57	0
57	MG	1a	1611	1/1	0.88	0.10	59,59,59,59	0
57	MG	2W	202	1/1	0.88	0.20	47,47,47,47	0
57	MG	1A	3846	1/1	0.88	0.16	62,62,62,62	0
57	MG	1a	1635	1/1	0.88	0.29	56,56,56,56	0
57	MG	1a	1638	1/1	0.88	0.24	49,49,49,49	0
57	MG	1a	1654	1/1	0.88	0.25	65,65,65,65	0
57	MG	2A	3227	1/1	0.88	0.18	55,55,55,55	0
57	MG	2A	3228	1/1	0.88	0.17	63,63,63,63	0
57	MG	1a	1659	1/1	0.88	0.21	63,63,63,63	0
57	MG	1a	1680	1/1	0.88	0.10	44,44,44,44	0
57	MG	2a	1621	1/1	0.88	0.11	58,58,58,58	0
57	MG	2A	3252	1/1	0.88	0.17	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3256	1/1	0.88	0.32	62,62,62,62	0
57	MG	1a	1691	1/1	0.88	0.18	64,64,64,64	0
57	MG	1A	3714	1/1	0.88	0.10	32,32,32,32	0
57	MG	1A	3027	1/1	0.88	0.21	68,68,68,68	0
57	MG	2A	3281	1/1	0.88	0.14	55,55,55,55	0
57	MG	2a	1682	1/1	0.88	0.23	62,62,62,62	0
57	MG	1A	3609	1/1	0.88	0.11	45,45,45,45	0
57	MG	1A	3857	1/1	0.88	0.12	58,58,58,58	0
57	MG	2A	3288	1/1	0.88	0.23	66,66,66,66	0
57	MG	1A	4048	1/1	0.88	0.10	66,66,66,66	0
57	MG	1A	3875	1/1	0.88	0.14	51,51,51,51	0
57	MG	1a	1727	1/1	0.88	0.12	64,64,64,64	0
57	MG	1A	3502	1/1	0.88	0.09	56,56,56,56	0
57	MG	1A	3247	1/1	0.88	0.10	64,64,64,64	0
57	MG	2A	3316	1/1	0.88	0.13	65,65,65,65	0
57	MG	2A	3321	1/1	0.88	0.11	48,48,48,48	0
57	MG	1A	3896	1/1	0.88	0.10	34,34,34,34	0
57	MG	1A	3741	1/1	0.88	0.12	68,68,68,68	0
57	MG	2a	1728	1/1	0.88	0.17	52,52,52,52	0
57	MG	1A	3262	1/1	0.88	0.14	55,55,55,55	0
57	MG	2a	1738	1/1	0.88	0.10	79,79,79,79	0
57	MG	1a	1779	1/1	0.88	0.10	71,71,71,71	0
57	MG	1A	3905	1/1	0.88	0.13	50,50,50,50	0
57	MG	1A	3750	1/1	0.88	0.08	28,28,28,28	0
57	MG	2a	1763	1/1	0.88	0.09	72,72,72,72	0
57	MG	1A	3074	1/1	0.88	0.23	53,53,53,53	0
57	MG	2A	3710	1/1	0.88	0.13	62,62,62,62	0
57	MG	1A	3077	1/1	0.88	0.13	57,57,57,57	0
57	MG	2a	1798	1/1	0.88	0.14	69,69,69,69	0
57	MG	2A	3719	1/1	0.88	0.13	53,53,53,53	0
57	MG	2A	3721	1/1	0.88	0.13	52,52,52,52	0
57	MG	2a	1804	1/1	0.88	0.14	67,67,67,67	0
57	MG	1A	4094	1/1	0.88	0.09	35,35,35,35	0
57	MG	1A	4100	1/1	0.88	0.18	40,40,40,40	0
57	MG	1A	3765	1/1	0.88	0.14	49,49,49,49	0
57	MG	1A	3544	1/1	0.88	0.10	56,56,56,56	0
57	MG	1A	3562	1/1	0.88	0.10	63,63,63,63	0
57	MG	2A	3364	1/1	0.88	0.39	70,70,70,70	0
57	MG	2A	3749	1/1	0.88	0.18	67,67,67,67	0
57	MG	2a	1831	1/1	0.88	0.11	66,66,66,66	0
57	MG	1A	3936	1/1	0.88	0.10	35,35,35,35	0
57	MG	1A	3098	1/1	0.88	0.22	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3790	1/1	0.88	0.14	55,55,55,55	0
57	MG	2A	3375	1/1	0.88	0.21	66,66,66,66	0
57	MG	2A	3379	1/1	0.88	0.17	67,67,67,67	0
57	MG	1A	3678	1/1	0.88	0.10	46,46,46,46	0
57	MG	2I	203	1/1	0.88	0.09	53,53,53,53	0
57	MG	2A	3397	1/1	0.88	0.26	68,68,68,68	0
57	MG	2A	3775	1/1	0.88	0.13	66,66,66,66	0
57	MG	1A	3959	1/1	0.88	0.09	67,67,67,67	0
57	MG	2A	3403	1/1	0.88	0.23	66,66,66,66	0
57	MG	2y	102	1/1	0.88	0.11	74,74,74,74	0
57	MG	2A	3417	1/1	0.88	0.24	71,71,71,71	0
57	MG	1E	308	1/1	0.88	0.08	27,27,27,27	0
57	MG	1A	4066	1/1	0.89	0.13	55,55,55,55	0
57	MG	2A	3328	1/1	0.89	0.16	66,66,66,66	0
57	MG	2B	210	1/1	0.89	0.16	65,65,65,65	0
57	MG	1Q	204	1/1	0.89	0.10	60,60,60,60	0
57	MG	2B	214	1/1	0.89	0.16	62,62,62,62	0
57	MG	1a	1735	1/1	0.89	0.10	63,63,63,63	0
57	MG	1a	1741	1/1	0.89	0.11	61,61,61,61	0
57	MG	1A	3352	1/1	0.89	0.10	40,40,40,40	0
57	MG	1a	1749	1/1	0.89	0.10	48,48,48,48	0
57	MG	2F	303	1/1	0.89	0.14	59,59,59,59	0
57	MG	1A	3805	1/1	0.89	0.09	26,26,26,26	0
57	MG	1a	1765	1/1	0.89	0.15	65,65,65,65	0
57	MG	2A	3626	1/1	0.89	0.08	48,48,48,48	0
57	MG	1A	3493	1/1	0.89	0.16	61,61,61,61	0
57	MG	25	105	1/1	0.89	0.10	48,48,48,48	0
57	MG	1a	1768	1/1	0.89	0.12	65,65,65,65	0
57	MG	1A	3607	1/1	0.89	0.12	60,60,60,60	0
57	MG	10	107	1/1	0.89	0.17	59,59,59,59	0
57	MG	2A	3365	1/1	0.89	0.18	57,57,57,57	0
57	MG	2a	1604	1/1	0.89	0.29	58,58,58,58	0
57	MG	1A	4084	1/1	0.89	0.09	55,55,55,55	0
57	MG	2A	3666	1/1	0.89	0.10	53,53,53,53	0
57	MG	2a	1616	1/1	0.89	0.15	51,51,51,51	0
57	MG	2A	3667	1/1	0.89	0.09	48,48,48,48	0
57	MG	2A	3191	1/1	0.89	0.22	68,68,68,68	0
57	MG	1A	3983	1/1	0.89	0.14	42,42,42,42	0
57	MG	2a	1626	1/1	0.89	0.21	51,51,51,51	0
57	MG	1A	3906	1/1	0.89	0.13	35,35,35,35	0
57	MG	2a	1633	1/1	0.89	0.14	73,73,73,73	0
57	MG	2a	1636	1/1	0.89	0.32	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3377	1/1	0.89	0.11	60,60,60,60	0
57	MG	2A	3378	1/1	0.89	0.22	56,56,56,56	0
57	MG	2A	3217	1/1	0.89	0.24	57,57,57,57	0
57	MG	2A	3684	1/1	0.89	0.18	60,60,60,60	0
57	MG	2a	1671	1/1	0.89	0.16	57,57,57,57	0
57	MG	1A	3913	1/1	0.89	0.11	42,42,42,42	0
57	MG	1A	3992	1/1	0.89	0.12	46,46,46,46	0
57	MG	2A	3400	1/1	0.89	0.17	63,63,63,63	0
57	MG	2A	3692	1/1	0.89	0.19	36,36,36,36	0
57	MG	1a	1603	1/1	0.89	0.12	56,56,56,56	0
57	MG	1A	3006	1/1	0.89	0.15	52,52,52,52	0
57	MG	2A	3413	1/1	0.89	0.16	65,65,65,65	0
57	MG	2A	3706	1/1	0.89	0.09	31,31,31,31	0
57	MG	1A	3551	1/1	0.89	0.13	56,56,56,56	0
57	MG	1A	3510	1/1	0.89	0.18	63,63,63,63	0
57	MG	2a	1714	1/1	0.89	0.12	67,67,67,67	0
57	MG	2A	3717	1/1	0.89	0.16	51,51,51,51	0
57	MG	2A	3257	1/1	0.89	0.22	59,59,59,59	0
57	MG	1b	302	1/1	0.89	0.10	59,59,59,59	0
57	MG	2a	1726	1/1	0.89	0.27	57,57,57,57	0
57	MG	2A	3260	1/1	0.89	0.19	54,54,54,54	0
57	MG	1A	3700	1/1	0.89	0.09	29,29,29,29	0
57	MG	2A	3435	1/1	0.89	0.23	57,57,57,57	0
57	MG	2A	3740	1/1	0.89	0.14	51,51,51,51	0
57	MG	1A	4024	1/1	0.89	0.11	32,32,32,32	0
57	MG	1A	3767	1/1	0.89	0.07	17,17,17,17	0
57	MG	2a	1746	1/1	0.89	0.11	58,58,58,58	0
57	MG	2a	1749	1/1	0.89	0.10	92,92,92,92	0
57	MG	2A	3443	1/1	0.89	0.27	59,59,59,59	0
57	MG	2A	3447	1/1	0.89	0.23	59,59,59,59	0
57	MG	2A	3284	1/1	0.89	0.10	57,57,57,57	0
57	MG	1B	219	1/1	0.89	0.16	57,57,57,57	0
57	MG	2a	1789	1/1	0.89	0.20	51,51,51,51	0
57	MG	2a	1795	1/1	0.89	0.19	62,62,62,62	0
57	MG	2A	3464	1/1	0.89	0.21	52,52,52,52	0
57	MG	1a	1674	1/1	0.89	0.11	56,56,56,56	0
57	MG	2A	3472	1/1	0.89	0.29	55,55,55,55	0
57	MG	2A	3495	1/1	0.89	0.19	69,69,69,69	0
57	MG	2A	3505	1/1	0.89	0.13	37,37,37,37	0
57	MG	1A	3563	1/1	0.89	0.29	58,58,58,58	0
57	MG	1A	3638	1/1	0.89	0.07	37,37,37,37	0
57	MG	2A	3802	1/1	0.89	0.15	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	3530	1/1	0.89	0.19	71,71,71,71	0
57	MG	2A	3807	1/1	0.89	0.09	58,58,58,58	0
57	MG	1A	3339	1/1	0.89	0.31	69,69,69,69	0
57	MG	1x	112	1/1	0.89	0.09	46,46,46,46	0
57	MG	1y	102	1/1	0.89	0.25	73,73,73,73	0
57	MG	2A	3816	1/1	0.89	0.12	61,61,61,61	0
57	MG	2A	3308	1/1	0.89	0.22	62,62,62,62	0
57	MG	2A	3818	1/1	0.89	0.16	63,63,63,63	0
57	MG	2A	3542	1/1	0.89	0.10	46,46,46,46	0
57	MG	1A	3451	1/1	0.89	0.18	69,69,69,69	0
57	MG	2A	3560	1/1	0.89	0.09	40,40,40,40	0
57	MG	1A	3888	1/1	0.89	0.11	44,44,44,44	0
57	MG	2A	3317	1/1	0.89	0.18	62,62,62,62	0
57	MG	2t	201	1/1	0.89	0.21	54,54,54,54	0
57	MG	2A	3567	1/1	0.89	0.12	58,58,58,58	0
57	MG	1A	3526	1/1	0.89	0.11	53,53,53,53	0
57	MG	2A	3322	1/1	0.89	0.14	58,58,58,58	0
57	MG	2w	109	1/1	0.89	0.25	62,62,62,62	0
57	MG	2x	102	1/1	0.89	0.11	67,67,67,67	0
57	MG	1G	203	1/1	0.89	0.09	60,60,60,60	0
57	MG	2A	3067	1/1	0.89	0.15	49,49,49,49	0
57	MG	2y	104	1/1	0.89	0.16	67,67,67,67	0
57	MG	2A	3325	1/1	0.89	0.10	52,52,52,52	0
57	MG	2A	3593	1/1	0.90	0.13	56,56,56,56	0
57	MG	1A	3692	1/1	0.90	0.09	40,40,40,40	0
57	MG	1a	1629	1/1	0.90	0.32	52,52,52,52	0
57	MG	2B	217	1/1	0.90	0.16	77,77,77,77	0
57	MG	1A	3775	1/1	0.90	0.09	37,37,37,37	0
57	MG	1A	3985	1/1	0.90	0.18	49,49,49,49	0
57	MG	2A	3612	1/1	0.90	0.09	35,35,35,35	0
57	MG	1a	1643	1/1	0.90	0.18	59,59,59,59	0
57	MG	1A	3899	1/1	0.90	0.13	30,30,30,30	0
57	MG	1a	1657	1/1	0.90	0.21	56,56,56,56	0
57	MG	1A	3776	1/1	0.90	0.10	38,38,38,38	0
57	MG	2A	3063	1/1	0.90	0.11	62,62,62,62	0
57	MG	2V	201	1/1	0.90	0.14	66,66,66,66	0
57	MG	2V	203	1/1	0.90	0.15	65,65,65,65	0
57	MG	2A	3064	1/1	0.90	0.09	56,56,56,56	0
57	MG	2I	101	1/1	0.90	0.25	47,47,47,47	0
57	MG	1A	3294	1/1	0.90	0.17	50,50,50,50	0
57	MG	1a	1676	1/1	0.90	0.29	65,65,65,65	0
57	MG	1A	3994	1/1	0.90	0.12	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	3642	1/1	0.90	0.11	45,45,45,45	0
57	MG	2A	3643	1/1	0.90	0.12	43,43,43,43	0
57	MG	1a	1688	1/1	0.90	0.12	63,63,63,63	0
57	MG	2a	1608	1/1	0.90	0.23	60,60,60,60	0
57	MG	1A	4115	1/1	0.90	0.11	53,53,53,53	0
57	MG	1a	1697	1/1	0.90	0.19	59,59,59,59	0
57	MG	2A	3118	1/1	0.90	0.10	47,47,47,47	0
57	MG	1A	4118	1/1	0.90	0.13	64,64,64,64	0
57	MG	2a	1619	1/1	0.90	0.18	65,65,65,65	0
57	MG	1A	3377	1/1	0.90	0.11	49,49,49,49	0
57	MG	1A	4122	1/1	0.90	0.14	65,65,65,65	0
57	MG	2A	3675	1/1	0.90	0.09	48,48,48,48	0
57	MG	2a	1630	1/1	0.90	0.14	59,59,59,59	0
57	MG	2A	3369	1/1	0.90	0.09	53,53,53,53	0
57	MG	2A	3372	1/1	0.90	0.24	60,60,60,60	0
57	MG	1B	207	1/1	0.90	0.15	51,51,51,51	0
57	MG	2a	1641	1/1	0.90	0.35	64,64,64,64	0
57	MG	2a	1643	1/1	0.90	0.24	56,56,56,56	0
57	MG	2a	1645	1/1	0.90	0.31	67,67,67,67	0
57	MG	1B	213	1/1	0.90	0.07	34,34,34,34	0
57	MG	2a	1656	1/1	0.90	0.12	66,66,66,66	0
57	MG	2A	3172	1/1	0.90	0.14	62,62,62,62	0
57	MG	2a	1663	1/1	0.90	0.25	56,56,56,56	0
57	MG	1A	3305	1/1	0.90	0.25	52,52,52,52	0
57	MG	2a	1667	1/1	0.90	0.16	63,63,63,63	0
57	MG	1B	220	1/1	0.90	0.09	47,47,47,47	0
57	MG	1A	4001	1/1	0.90	0.11	64,64,64,64	0
57	MG	2A	3384	1/1	0.90	0.10	53,53,53,53	0
57	MG	1a	1736	1/1	0.90	0.09	45,45,45,45	0
57	MG	2A	3202	1/1	0.90	0.28	62,62,62,62	0
57	MG	1A	4003	1/1	0.90	0.14	23,23,23,23	0
57	MG	1a	1744	1/1	0.90	0.13	67,67,67,67	0
57	MG	2A	3408	1/1	0.90	0.14	65,65,65,65	0
57	MG	2A	3216	1/1	0.90	0.11	70,70,70,70	0
57	MG	1A	3618	1/1	0.90	0.10	31,31,31,31	0
57	MG	2A	3718	1/1	0.90	0.09	49,49,49,49	0
57	MG	2A	3419	1/1	0.90	0.16	69,69,69,69	0
57	MG	2A	3220	1/1	0.90	0.12	45,45,45,45	0
57	MG	2A	3225	1/1	0.90	0.10	44,44,44,44	0
57	MG	2A	3733	1/1	0.90	0.11	51,51,51,51	0
57	MG	2A	3735	1/1	0.90	0.14	56,56,56,56	0
57	MG	1A	3536	1/1	0.90	0.21	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3168	1/1	0.90	0.30	42,42,42,42	0
57	MG	1A	4025	1/1	0.90	0.07	34,34,34,34	0
57	MG	2a	1729	1/1	0.90	0.12	59,59,59,59	0
57	MG	1A	4027	1/1	0.90	0.08	61,61,61,61	0
57	MG	2a	1735	1/1	0.90	0.10	65,65,65,65	0
57	MG	1A	3252	1/1	0.90	0.11	56,56,56,56	0
57	MG	1A	3253	1/1	0.90	0.12	64,64,64,64	0
57	MG	1A	3458	1/1	0.90	0.09	38,38,38,38	0
57	MG	1A	3841	1/1	0.90	0.13	60,60,60,60	0
57	MG	1S	202	1/1	0.90	0.10	53,53,53,53	0
57	MG	2a	1753	1/1	0.90	0.09	60,60,60,60	0
57	MG	2A	3754	1/1	0.90	0.11	52,52,52,52	0
57	MG	2A	3455	1/1	0.90	0.36	63,63,63,63	0
57	MG	1A	3205	1/1	0.90	0.20	50,50,50,50	0
57	MG	2a	1775	1/1	0.90	0.09	66,66,66,66	0
57	MG	2A	3461	1/1	0.90	0.31	56,56,56,56	0
57	MG	2A	3766	1/1	0.90	0.10	50,50,50,50	0
57	MG	1Y	201	1/1	0.90	0.08	40,40,40,40	0
57	MG	2A	3770	1/1	0.90	0.12	62,62,62,62	0
57	MG	1a	1791	1/1	0.90	0.12	67,67,67,67	0
57	MG	1A	3940	1/1	0.90	0.10	33,33,33,33	0
57	MG	2A	3494	1/1	0.90	0.14	57,57,57,57	0
57	MG	2A	3798	1/1	0.90	0.10	56,56,56,56	0
57	MG	1A	3944	1/1	0.90	0.10	40,40,40,40	0
57	MG	1A	3472	1/1	0.90	0.17	61,61,61,61	0
57	MG	1A	3291	1/1	0.90	0.12	41,41,41,41	0
57	MG	2a	1818	1/1	0.90	0.15	55,55,55,55	0
57	MG	2A	3290	1/1	0.90	0.20	67,67,67,67	0
57	MG	1a	1817	1/1	0.90	0.09	66,66,66,66	0
57	MG	2A	3295	1/1	0.90	0.11	66,66,66,66	0
57	MG	1A	3955	1/1	0.90	0.09	54,54,54,54	0
57	MG	1A	3344	1/1	0.90	0.18	51,51,51,51	0
57	MG	2A	3299	1/1	0.90	0.23	69,69,69,69	0
57	MG	2A	3302	1/1	0.90	0.10	50,50,50,50	0
57	MG	2a	1835	1/1	0.90	0.24	57,57,57,57	0
57	MG	2A	3543	1/1	0.90	0.10	41,41,41,41	0
57	MG	2A	3830	1/1	0.90	0.12	57,57,57,57	0
57	MG	2A	3831	1/1	0.90	0.11	63,63,63,63	0
57	MG	2g	201	1/1	0.90	0.08	65,65,65,65	0
57	MG	1A	3763	1/1	0.90	0.08	32,32,32,32	0
57	MG	2j	202	1/1	0.90	0.10	69,69,69,69	0
57	MG	2A	3554	1/1	0.90	0.14	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2q	202	1/1	0.90	0.09	62,62,62,62	0
57	MG	1A	3189	1/1	0.90	0.17	54,54,54,54	0
57	MG	1A	3685	1/1	0.90	0.06	24,24,24,24	0
57	MG	2v	103	1/1	0.90	0.34	63,63,63,63	0
57	MG	2A	3311	1/1	0.90	0.20	48,48,48,48	0
57	MG	2A	3313	1/1	0.90	0.18	57,57,57,57	0
57	MG	2A	3878	1/1	0.90	0.11	50,50,50,50	0
57	MG	2A	3314	1/1	0.90	0.20	57,57,57,57	0
57	MG	1a	1608	1/1	0.90	0.28	62,62,62,62	0
57	MG	2x	104	1/1	0.90	0.18	56,56,56,56	0
57	MG	1A	3245	1/1	0.90	0.14	53,53,53,53	0
57	MG	2B	202	1/1	0.90	0.12	58,58,58,58	0
57	MG	2A	3320	1/1	0.90	0.10	49,49,49,49	0
57	MG	2y	105	1/1	0.90	0.08	94,94,94,94	0
57	MG	1a	1625	1/1	0.90	0.25	55,55,55,55	0
57	MG	2A	3876	1/1	0.91	0.08	49,49,49,49	0
57	MG	2A	3519	1/1	0.91	0.30	67,67,67,67	0
57	MG	2A	3527	1/1	0.91	0.11	54,54,54,54	0
57	MG	1A	3824	1/1	0.91	0.18	56,56,56,56	0
57	MG	1A	3469	1/1	0.91	0.10	58,58,58,58	0
57	MG	1A	3843	1/1	0.91	0.07	40,40,40,40	0
57	MG	2A	3276	1/1	0.91	0.15	56,56,56,56	0
57	MG	1A	3710	1/1	0.91	0.10	28,28,28,28	0
57	MG	1A	3598	1/1	0.91	0.14	54,54,54,54	0
57	MG	1A	3719	1/1	0.91	0.20	52,52,52,52	0
57	MG	1B	228	1/1	0.91	0.10	67,67,67,67	0
57	MG	2B	216	1/1	0.91	0.12	60,60,60,60	0
57	MG	2A	3551	1/1	0.91	0.10	55,55,55,55	0
57	MG	2A	3552	1/1	0.91	0.13	43,43,43,43	0
57	MG	2A	3553	1/1	0.91	0.13	48,48,48,48	0
57	MG	2A	3286	1/1	0.91	0.10	48,48,48,48	0
57	MG	1A	3311	1/1	0.91	0.09	56,56,56,56	0
57	MG	1D	301	1/1	0.91	0.25	42,42,42,42	0
57	MG	1A	3026	1/1	0.91	0.10	42,42,42,42	0
57	MG	2G	201	1/1	0.91	0.12	61,61,61,61	0
57	MG	1A	3500	1/1	0.91	0.11	54,54,54,54	0
57	MG	2Q	202	1/1	0.91	0.19	54,54,54,54	0
57	MG	1A	4004	1/1	0.91	0.10	39,39,39,39	0
57	MG	1A	3320	1/1	0.91	0.22	27,27,27,27	0
57	MG	2A	3575	1/1	0.91	0.11	40,40,40,40	0
57	MG	2W	201	1/1	0.91	0.16	60,60,60,60	0
57	MG	1A	4012	1/1	0.91	0.16	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	4013	1/1	0.91	0.12	58,58,58,58	0
57	MG	2A	3582	1/1	0.91	0.16	54,54,54,54	0
57	MG	2A	3584	1/1	0.91	0.12	53,53,53,53	0
57	MG	1R	203	1/1	0.91	0.12	26,26,26,26	0
57	MG	2A	3590	1/1	0.91	0.23	59,59,59,59	0
57	MG	1A	4016	1/1	0.91	0.07	51,51,51,51	0
57	MG	2A	3307	1/1	0.91	0.08	63,63,63,63	0
57	MG	2a	1605	1/1	0.91	0.23	62,62,62,62	0
57	MG	2a	1606	1/1	0.91	0.14	53,53,53,53	0
57	MG	2a	1607	1/1	0.91	0.17	56,56,56,56	0
57	MG	1a	1815	1/1	0.91	0.07	48,48,48,48	0
57	MG	2A	3309	1/1	0.91	0.07	58,58,58,58	0
57	MG	1A	4017	1/1	0.91	0.10	43,43,43,43	0
57	MG	2A	3610	1/1	0.91	0.15	60,60,60,60	0
57	MG	2A	3611	1/1	0.91	0.07	36,36,36,36	0
57	MG	1T	202	1/1	0.91	0.14	53,53,53,53	0
57	MG	1A	3734	1/1	0.91	0.16	64,64,64,64	0
57	MG	1A	3505	1/1	0.91	0.15	56,56,56,56	0
57	MG	1A	3617	1/1	0.91	0.09	42,42,42,42	0
57	MG	2a	1628	1/1	0.91	0.17	58,58,58,58	0
57	MG	1A	3185	1/1	0.91	0.24	54,54,54,54	0
57	MG	2A	3319	1/1	0.91	0.22	42,42,42,42	0
57	MG	1w	106	1/1	0.91	0.20	60,60,60,60	0
57	MG	2A	3629	1/1	0.91	0.08	34,34,34,34	0
57	MG	1A	3392	1/1	0.91	0.12	61,61,61,61	0
57	MG	2a	1642	1/1	0.91	0.20	64,64,64,64	0
57	MG	1A	3333	1/1	0.91	0.09	43,43,43,43	0
57	MG	1x	108	1/1	0.91	0.14	59,59,59,59	0
57	MG	1A	4039	1/1	0.91	0.07	45,45,45,45	0
57	MG	2a	1655	1/1	0.91	0.10	58,58,58,58	0
57	MG	1A	3904	1/1	0.91	0.20	67,67,67,67	0
57	MG	1A	4044	1/1	0.91	0.11	74,74,74,74	0
57	MG	1A	3411	1/1	0.91	0.08	38,38,38,38	0
57	MG	1A	3764	1/1	0.91	0.10	59,59,59,59	0
57	MG	2A	3334	1/1	0.91	0.11	42,42,42,42	0
57	MG	2A	3336	1/1	0.91	0.17	61,61,61,61	0
57	MG	1A	4052	1/1	0.91	0.07	40,40,40,40	0
57	MG	1A	3414	1/1	0.91	0.09	49,49,49,49	0
57	MG	2A	3017	1/1	0.91	0.10	46,46,46,46	0
57	MG	2a	1683	1/1	0.91	0.21	53,53,53,53	0
57	MG	1a	1620	1/1	0.91	0.26	62,62,62,62	0
57	MG	2A	3050	1/1	0.91	0.14	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	4058	1/1	0.91	0.13	42,42,42,42	0
57	MG	1A	3242	1/1	0.91	0.21	59,59,59,59	0
57	MG	1A	3650	1/1	0.91	0.18	55,55,55,55	0
57	MG	2A	3356	1/1	0.91	0.06	66,66,66,66	0
57	MG	2A	3066	1/1	0.91	0.18	53,53,53,53	0
57	MG	2A	3359	1/1	0.91	0.15	52,52,52,52	0
57	MG	1A	3427	1/1	0.91	0.08	48,48,48,48	0
57	MG	2A	3074	1/1	0.91	0.15	59,59,59,59	0
57	MG	2A	3079	1/1	0.91	0.11	55,55,55,55	0
57	MG	2a	1723	1/1	0.91	0.18	69,69,69,69	0
57	MG	2A	3701	1/1	0.91	0.11	73,73,73,73	0
57	MG	2A	3080	1/1	0.91	0.13	57,57,57,57	0
57	MG	1A	3428	1/1	0.91	0.10	53,53,53,53	0
57	MG	2A	3370	1/1	0.91	0.11	60,60,60,60	0
57	MG	2A	3094	1/1	0.91	0.11	40,40,40,40	0
57	MG	2a	1730	1/1	0.91	0.18	53,53,53,53	0
57	MG	2a	1732	1/1	0.91	0.23	62,62,62,62	0
57	MG	1A	3932	1/1	0.91	0.11	69,69,69,69	0
57	MG	1a	1645	1/1	0.91	0.17	65,65,65,65	0
57	MG	2A	3109	1/1	0.91	0.12	47,47,47,47	0
57	MG	1A	4074	1/1	0.91	0.27	53,53,53,53	0
57	MG	2A	3728	1/1	0.91	0.10	53,53,53,53	0
57	MG	1A	4081	1/1	0.91	0.08	44,44,44,44	0
57	MG	2a	1748	1/1	0.91	0.09	59,59,59,59	0
57	MG	1A	3548	1/1	0.91	0.23	57,57,57,57	0
57	MG	1a	1669	1/1	0.91	0.17	56,56,56,56	0
57	MG	2A	3386	1/1	0.91	0.12	57,57,57,57	0
57	MG	2A	3388	1/1	0.91	0.23	52,52,52,52	0
57	MG	1A	3260	1/1	0.91	0.18	56,56,56,56	0
57	MG	2A	3142	1/1	0.91	0.19	56,56,56,56	0
57	MG	2A	3745	1/1	0.91	0.10	60,60,60,60	0
57	MG	2A	3146	1/1	0.91	0.19	55,55,55,55	0
57	MG	2a	1791	1/1	0.91	0.20	66,66,66,66	0
57	MG	2a	1794	1/1	0.91	0.12	57,57,57,57	0
57	MG	1a	1675	1/1	0.91	0.10	55,55,55,55	0
57	MG	2a	1796	1/1	0.91	0.10	54,54,54,54	0
57	MG	1A	3445	1/1	0.91	0.09	25,25,25,25	0
57	MG	2A	3156	1/1	0.91	0.15	50,50,50,50	0
57	MG	2a	1799	1/1	0.91	0.14	59,59,59,59	0
57	MG	2A	3164	1/1	0.91	0.12	60,60,60,60	0
57	MG	1A	3796	1/1	0.91	0.07	38,38,38,38	0
57	MG	1A	3337	1/1	0.91	0.13	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	3759	1/1	0.91	0.10	39,39,39,39	0
57	MG	1a	1690	1/1	0.91	0.14	54,54,54,54	0
57	MG	2a	1808	1/1	0.91	0.14	62,62,62,62	0
57	MG	2a	1813	1/1	0.91	0.19	58,58,58,58	0
57	MG	2A	3179	1/1	0.91	0.12	47,47,47,47	0
57	MG	1A	3688	1/1	0.91	0.07	43,43,43,43	0
57	MG	1A	3804	1/1	0.91	0.14	32,32,32,32	0
57	MG	2a	1824	1/1	0.91	0.18	54,54,54,54	0
57	MG	2A	3433	1/1	0.91	0.18	55,55,55,55	0
57	MG	2A	3434	1/1	0.91	0.20	52,52,52,52	0
57	MG	1A	3564	1/1	0.91	0.16	42,42,42,42	0
57	MG	2A	3193	1/1	0.91	0.11	60,60,60,60	0
57	MG	2A	3796	1/1	0.91	0.13	67,67,67,67	0
57	MG	2A	3440	1/1	0.91	0.27	54,54,54,54	0
57	MG	1A	3957	1/1	0.91	0.09	28,28,28,28	0
57	MG	2A	3210	1/1	0.91	0.12	48,48,48,48	0
57	MG	2A	3446	1/1	0.91	0.30	56,56,56,56	0
57	MG	1A	4110	1/1	0.91	0.17	50,50,50,50	0
57	MG	2d	302	1/1	0.91	0.09	61,61,61,61	0
57	MG	2f	202	1/1	0.91	0.10	57,57,57,57	0
57	MG	2A	3448	1/1	0.91	0.16	56,56,56,56	0
57	MG	1a	1711	1/1	0.91	0.14	60,60,60,60	0
57	MG	1a	1713	1/1	0.91	0.16	59,59,59,59	0
57	MG	1a	1714	1/1	0.91	0.13	58,58,58,58	0
57	MG	1a	1719	1/1	0.91	0.15	44,44,44,44	0
57	MG	1A	3806	1/1	0.91	0.08	30,30,30,30	0
57	MG	2A	3822	1/1	0.91	0.10	60,60,60,60	0
57	MG	1A	3200	1/1	0.91	0.08	44,44,44,44	0
57	MG	1A	3579	1/1	0.91	0.15	46,46,46,46	0
57	MG	1A	3310	1/1	0.91	0.18	54,54,54,54	0
57	MG	2w	104	1/1	0.91	0.14	60,60,60,60	0
57	MG	2A	3835	1/1	0.91	0.11	44,44,44,44	0
57	MG	2w	106	1/1	0.91	0.19	52,52,52,52	0
57	MG	1A	3820	1/1	0.91	0.10	61,61,61,61	0
57	MG	2x	101	1/1	0.91	0.17	51,51,51,51	0
57	MG	1A	3702	1/1	0.91	0.08	20,20,20,20	0
57	MG	2A	3506	1/1	0.91	0.14	51,51,51,51	0
57	MG	2A	3862	1/1	0.91	0.08	52,52,52,52	0
57	MG	1A	3822	1/1	0.91	0.20	67,67,67,67	0
57	MG	2A	3866	1/1	0.91	0.08	54,54,54,54	0
57	MG	2A	3516	1/1	0.91	0.12	49,49,49,49	0
57	MG	1B	210	1/1	0.91	0.07	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3809	1/1	0.92	0.08	53,53,53,53	0
57	MG	2A	3122	1/1	0.92	0.19	57,57,57,57	0
57	MG	2A	3409	1/1	0.92	0.18	54,54,54,54	0
57	MG	1A	3792	1/1	0.92	0.07	67,67,67,67	0
57	MG	2A	3125	1/1	0.92	0.16	49,49,49,49	0
57	MG	2A	3128	1/1	0.92	0.20	52,52,52,52	0
57	MG	1a	1684	1/1	0.92	0.20	59,59,59,59	0
57	MG	2A	3137	1/1	0.92	0.25	57,57,57,57	0
57	MG	2A	3140	1/1	0.92	0.19	59,59,59,59	0
57	MG	2A	3426	1/1	0.92	0.20	57,57,57,57	0
57	MG	1a	1685	1/1	0.92	0.22	61,61,61,61	0
57	MG	1A	3668	1/1	0.92	0.07	27,27,27,27	0
57	MG	2A	3834	1/1	0.92	0.12	47,47,47,47	0
57	MG	2A	3432	1/1	0.92	0.17	42,42,42,42	0
57	MG	2A	3147	1/1	0.92	0.17	49,49,49,49	0
57	MG	1A	3669	1/1	0.92	0.06	19,19,19,19	0
57	MG	1A	3671	1/1	0.92	0.09	46,46,46,46	0
57	MG	1a	1692	1/1	0.92	0.22	50,50,50,50	0
57	MG	1A	3436	1/1	0.92	0.13	60,60,60,60	0
57	MG	2A	3864	1/1	0.92	0.11	52,52,52,52	0
57	MG	1A	3059	1/1	0.92	0.10	48,48,48,48	0
57	MG	1a	1702	1/1	0.92	0.21	55,55,55,55	0
57	MG	1A	3549	1/1	0.92	0.11	42,42,42,42	0
57	MG	2A	3873	1/1	0.92	0.07	44,44,44,44	0
57	MG	2A	3176	1/1	0.92	0.09	58,58,58,58	0
57	MG	1A	3968	1/1	0.92	0.08	48,48,48,48	0
57	MG	2A	3451	1/1	0.92	0.20	58,58,58,58	0
57	MG	2A	3886	1/1	0.92	0.08	50,50,50,50	0
57	MG	1a	1709	1/1	0.92	0.13	54,54,54,54	0
57	MG	2A	3184	1/1	0.92	0.14	49,49,49,49	0
57	MG	2A	3891	1/1	0.92	0.12	55,55,55,55	0
57	MG	1A	3971	1/1	0.92	0.10	48,48,48,48	0
57	MG	1A	3550	1/1	0.92	0.11	55,55,55,55	0
57	MG	2B	204	1/1	0.92	0.21	72,72,72,72	0
57	MG	2B	206	1/1	0.92	0.20	58,58,58,58	0
57	MG	1A	3313	1/1	0.92	0.19	54,54,54,54	0
57	MG	2A	3195	1/1	0.92	0.12	56,56,56,56	0
57	MG	2A	3470	1/1	0.92	0.27	59,59,59,59	0
57	MG	2A	3199	1/1	0.92	0.17	54,54,54,54	0
57	MG	2A	3477	1/1	0.92	0.35	57,57,57,57	0
57	MG	2A	3200	1/1	0.92	0.14	56,56,56,56	0
57	MG	1a	1718	1/1	0.92	0.21	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	2B	219	1/1	0.92	0.24	64,64,64,64	0
57	MG	2A	3502	1/1	0.92	0.10	62,62,62,62	0
57	MG	2A	3503	1/1	0.92	0.10	52,52,52,52	0
57	MG	2D	307	1/1	0.92	0.29	52,52,52,52	0
57	MG	2E	304	1/1	0.92	0.11	37,37,37,37	0
57	MG	2A	3504	1/1	0.92	0.09	51,51,51,51	0
57	MG	2F	302	1/1	0.92	0.10	45,45,45,45	0
57	MG	2A	3209	1/1	0.92	0.09	43,43,43,43	0
57	MG	1A	3457	1/1	0.92	0.19	56,56,56,56	0
57	MG	1A	3170	1/1	0.92	0.07	41,41,41,41	0
57	MG	2A	3508	1/1	0.92	0.07	38,38,38,38	0
57	MG	2A	3509	1/1	0.92	0.14	53,53,53,53	0
57	MG	1A	3694	1/1	0.92	0.09	52,52,52,52	0
57	MG	2R	202	1/1	0.92	0.12	53,53,53,53	0
57	MG	2T	201	1/1	0.92	0.12	58,58,58,58	0
57	MG	2U	202	1/1	0.92	0.18	46,46,46,46	0
57	MG	1A	3697	1/1	0.92	0.10	35,35,35,35	0
57	MG	1B	218	1/1	0.92	0.19	52,52,52,52	0
57	MG	2A	3525	1/1	0.92	0.06	39,39,39,39	0
57	MG	1a	1728	1/1	0.92	0.12	65,65,65,65	0
57	MG	2A	3221	1/1	0.92	0.14	50,50,50,50	0
57	MG	25	103	1/1	0.92	0.12	50,50,50,50	0
57	MG	2A	3224	1/1	0.92	0.10	57,57,57,57	0
57	MG	1A	3287	1/1	0.92	0.10	48,48,48,48	0
57	MG	1A	3832	1/1	0.92	0.07	30,30,30,30	0
57	MG	1A	3835	1/1	0.92	0.13	47,47,47,47	0
57	MG	2A	3229	1/1	0.92	0.21	60,60,60,60	0
57	MG	1a	1742	1/1	0.92	0.10	55,55,55,55	0
57	MG	2A	3236	1/1	0.92	0.16	50,50,50,50	0
57	MG	2A	3548	1/1	0.92	0.11	32,32,32,32	0
57	MG	2A	3242	1/1	0.92	0.22	50,50,50,50	0
57	MG	1A	3836	1/1	0.92	0.13	52,52,52,52	0
57	MG	2A	3246	1/1	0.92	0.13	57,57,57,57	0
57	MG	1A	3468	1/1	0.92	0.10	53,53,53,53	0
57	MG	2a	1615	1/1	0.92	0.17	59,59,59,59	0
57	MG	2A	3557	1/1	0.92	0.17	45,45,45,45	0
57	MG	2a	1617	1/1	0.92	0.14	55,55,55,55	0
57	MG	2A	3558	1/1	0.92	0.11	61,61,61,61	0
57	MG	2A	3253	1/1	0.92	0.24	59,59,59,59	0
57	MG	1A	3573	1/1	0.92	0.16	49,49,49,49	0
57	MG	1B	231	1/1	0.92	0.12	67,67,67,67	0
57	MG	2a	1622	1/1	0.92	0.17	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1624	1/1	0.92	0.10	51,51,51,51	0
57	MG	1A	3222	1/1	0.92	0.10	37,37,37,37	0
57	MG	2a	1627	1/1	0.92	0.15	57,57,57,57	0
57	MG	2A	3259	1/1	0.92	0.14	52,52,52,52	0
57	MG	2A	3569	1/1	0.92	0.07	37,37,37,37	0
57	MG	1A	4005	1/1	0.92	0.13	36,36,36,36	0
57	MG	2a	1632	1/1	0.92	0.18	50,50,50,50	0
57	MG	2A	3264	1/1	0.92	0.18	54,54,54,54	0
57	MG	1a	1767	1/1	0.92	0.08	45,45,45,45	0
57	MG	2A	3275	1/1	0.92	0.09	51,51,51,51	0
57	MG	1A	4007	1/1	0.92	0.08	37,37,37,37	0
57	MG	1a	1769	1/1	0.92	0.22	62,62,62,62	0
57	MG	1A	3580	1/1	0.92	0.12	35,35,35,35	0
57	MG	1a	1776	1/1	0.92	0.10	56,56,56,56	0
57	MG	2a	1648	1/1	0.92	0.13	59,59,59,59	0
57	MG	1A	4010	1/1	0.92	0.09	74,74,74,74	0
57	MG	1A	4011	1/1	0.92	0.12	49,49,49,49	0
57	MG	1A	3713	1/1	0.92	0.11	31,31,31,31	0
57	MG	2a	1661	1/1	0.92	0.21	60,60,60,60	0
57	MG	1a	1785	1/1	0.92	0.10	63,63,63,63	0
57	MG	2A	3603	1/1	0.92	0.13	55,55,55,55	0
57	MG	1Q	207	1/1	0.92	0.14	41,41,41,41	0
57	MG	2A	3606	1/1	0.92	0.09	62,62,62,62	0
57	MG	2A	3291	1/1	0.92	0.14	52,52,52,52	0
57	MG	1A	3590	1/1	0.92	0.23	43,43,43,43	0
57	MG	1A	3470	1/1	0.92	0.14	51,51,51,51	0
57	MG	2A	3296	1/1	0.92	0.25	69,69,69,69	0
57	MG	2a	1684	1/1	0.92	0.20	56,56,56,56	0
57	MG	2A	3614	1/1	0.92	0.08	40,40,40,40	0
57	MG	2A	3616	1/1	0.92	0.10	40,40,40,40	0
57	MG	2a	1692	1/1	0.92	0.10	60,60,60,60	0
57	MG	1A	3863	1/1	0.92	0.10	20,20,20,20	0
57	MG	1A	4018	1/1	0.92	0.08	42,42,42,42	0
57	MG	2a	1706	1/1	0.92	0.13	60,60,60,60	0
57	MG	1S	203	1/1	0.92	0.08	62,62,62,62	0
57	MG	1A	3327	1/1	0.92	0.11	48,48,48,48	0
57	MG	1a	1809	1/1	0.92	0.11	65,65,65,65	0
57	MG	1a	1810	1/1	0.92	0.13	57,57,57,57	0
57	MG	1U	203	1/1	0.92	0.06	47,47,47,47	0
57	MG	2a	1715	1/1	0.92	0.12	61,61,61,61	0
57	MG	1A	3881	1/1	0.92	0.19	46,46,46,46	0
57	MG	2A	3639	1/1	0.92	0.14	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	1X	107	1/1	0.92	0.07	40,40,40,40	0
57	MG	1A	3486	1/1	0.92	0.13	51,51,51,51	0
57	MG	2a	1725	1/1	0.92	0.11	53,53,53,53	0
57	MG	1Z	301	1/1	0.92	0.12	51,51,51,51	0
57	MG	1A	4026	1/1	0.92	0.10	60,60,60,60	0
57	MG	2A	3649	1/1	0.92	0.11	39,39,39,39	0
57	MG	1A	3487	1/1	0.92	0.10	55,55,55,55	0
57	MG	1w	101	1/1	0.92	0.07	47,47,47,47	0
57	MG	2A	3318	1/1	0.92	0.12	43,43,43,43	0
57	MG	1A	3393	1/1	0.92	0.10	51,51,51,51	0
57	MG	2A	3668	1/1	0.92	0.10	57,57,57,57	0
57	MG	1w	107	1/1	0.92	0.12	59,59,59,59	0
57	MG	2A	3671	1/1	0.92	0.16	62,62,62,62	0
57	MG	1l	106	1/1	0.92	0.08	46,46,46,46	0
57	MG	1A	3895	1/1	0.92	0.12	25,25,25,25	0
57	MG	2A	3676	1/1	0.92	0.12	53,53,53,53	0
57	MG	1A	3408	1/1	0.92	0.11	51,51,51,51	0
57	MG	1A	3409	1/1	0.92	0.18	53,53,53,53	0
57	MG	1A	4042	1/1	0.92	0.09	67,67,67,67	0
57	MG	2A	3681	1/1	0.92	0.08	43,43,43,43	0
57	MG	2a	1765	1/1	0.92	0.09	75,75,75,75	0
57	MG	2a	1769	1/1	0.92	0.08	66,66,66,66	0
57	MG	1a	1601	1/1	0.92	0.12	54,54,54,54	0
57	MG	1A	3742	1/1	0.92	0.13	51,51,51,51	0
57	MG	2a	1779	1/1	0.92	0.09	50,50,50,50	0
57	MG	2A	3329	1/1	0.92	0.11	54,54,54,54	0
57	MG	2a	1784	1/1	0.92	0.16	45,45,45,45	0
57	MG	2a	1787	1/1	0.92	0.11	50,50,50,50	0
57	MG	1y	101	1/1	0.92	0.09	60,60,60,60	0
57	MG	2A	3333	1/1	0.92	0.23	59,59,59,59	0
57	MG	2a	1793	1/1	0.92	0.15	47,47,47,47	0
57	MG	1A	3332	1/1	0.92	0.13	60,60,60,60	0
57	MG	2A	3335	1/1	0.92	0.10	60,60,60,60	0
57	MG	1A	3063	1/1	0.92	0.15	45,45,45,45	0
57	MG	2A	3003	1/1	0.92	0.27	52,52,52,52	0
57	MG	1A	3520	1/1	0.92	0.11	47,47,47,47	0
57	MG	2A	3703	1/1	0.92	0.11	52,52,52,52	0
57	MG	1A	3091	1/1	0.92	0.09	68,68,68,68	0
57	MG	2A	3709	1/1	0.92	0.09	59,59,59,59	0
57	MG	2A	3343	1/1	0.92	0.10	59,59,59,59	0
57	MG	2A	3344	1/1	0.92	0.24	60,60,60,60	0
57	MG	2A	3023	1/1	0.92	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	1a	1623	1/1	0.92	0.28	55,55,55,55	0
57	MG	2a	1809	1/1	0.92	0.13	59,59,59,59	0
57	MG	2A	3030	1/1	0.92	0.09	56,56,56,56	0
57	MG	1A	3068	1/1	0.92	0.07	43,43,43,43	0
57	MG	2A	3722	1/1	0.92	0.08	56,56,56,56	0
57	MG	2A	3353	1/1	0.92	0.17	63,63,63,63	0
57	MG	2a	1823	1/1	0.92	0.23	49,49,49,49	0
57	MG	2A	3054	1/1	0.92	0.08	54,54,54,54	0
57	MG	2A	3732	1/1	0.92	0.12	56,56,56,56	0
57	MG	2A	3057	1/1	0.92	0.20	51,51,51,51	0
57	MG	1A	3635	1/1	0.92	0.07	18,18,18,18	0
57	MG	2A	3059	1/1	0.92	0.15	53,53,53,53	0
57	MG	1A	3524	1/1	0.92	0.18	68,68,68,68	0
57	MG	1A	3421	1/1	0.92	0.20	53,53,53,53	0
57	MG	1a	1636	1/1	0.92	0.12	46,46,46,46	0
57	MG	1A	4069	1/1	0.92	0.07	47,47,47,47	0
57	MG	1a	1639	1/1	0.92	0.16	52,52,52,52	0
57	MG	1A	3529	1/1	0.92	0.08	35,35,35,35	0
57	MG	1A	3141	1/1	0.92	0.09	43,43,43,43	0
57	MG	2A	3085	1/1	0.92	0.14	57,57,57,57	0
57	MG	1A	3203	1/1	0.92	0.10	55,55,55,55	0
57	MG	2A	3376	1/1	0.92	0.19	56,56,56,56	0
57	MG	2A	3091	1/1	0.92	0.09	68,68,68,68	0
57	MG	1A	3655	1/1	0.92	0.07	31,31,31,31	0
57	MG	2q	201	1/1	0.92	0.23	61,61,61,61	0
57	MG	2A	3761	1/1	0.92	0.14	56,56,56,56	0
57	MG	1A	3343	1/1	0.92	0.17	47,47,47,47	0
57	MG	2A	3105	1/1	0.92	0.19	67,67,67,67	0
57	MG	2v	101	1/1	0.92	0.26	59,59,59,59	0
57	MG	1a	1661	1/1	0.92	0.13	56,56,56,56	0
57	MG	2A	3107	1/1	0.92	0.12	53,53,53,53	0
57	MG	1A	4083	1/1	0.92	0.06	15,15,15,15	0
57	MG	2A	3392	1/1	0.92	0.08	48,48,48,48	0
57	MG	2A	3393	1/1	0.92	0.11	52,52,52,52	0
57	MG	2A	3781	1/1	0.92	0.10	67,67,67,67	0
57	MG	2A	3788	1/1	0.92	0.11	54,54,54,54	0
57	MG	2A	3790	1/1	0.92	0.09	76,76,76,76	0
57	MG	2A	3394	1/1	0.92	0.24	53,53,53,53	0
57	MG	1A	3788	1/1	0.92	0.12	36,36,36,36	0
57	MG	2x	105	1/1	0.92	0.10	52,52,52,52	0
57	MG	1A	3789	1/1	0.92	0.12	54,54,54,54	0
57	MG	2A	3799	1/1	0.92	0.08	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3117	1/1	0.92	0.15	47,47,47,47	0
57	MG	1A	3667	1/1	0.92	0.07	25,25,25,25	0
57	MG	2A	3407	1/1	0.92	0.12	53,53,53,53	0
57	MG	1A	3642	1/1	0.93	0.07	39,39,39,39	0
57	MG	2A	3547	1/1	0.93	0.10	54,54,54,54	0
57	MG	1A	3753	1/1	0.93	0.06	17,17,17,17	0
57	MG	1A	3440	1/1	0.93	0.12	51,51,51,51	0
57	MG	1A	3758	1/1	0.93	0.09	36,36,36,36	0
57	MG	1w	110	1/1	0.93	0.10	65,65,65,65	0
57	MG	1A	3229	1/1	0.93	0.15	58,58,58,58	0
57	MG	1x	102	1/1	0.93	0.23	42,42,42,42	0
57	MG	1A	3378	1/1	0.93	0.12	46,46,46,46	0
57	MG	1A	3540	1/1	0.93	0.28	56,56,56,56	0
57	MG	2E	301	1/1	0.93	0.22	63,63,63,63	0
57	MG	1A	3453	1/1	0.93	0.12	45,45,45,45	0
57	MG	1A	4061	1/1	0.93	0.12	51,51,51,51	0
57	MG	2A	3566	1/1	0.93	0.08	42,42,42,42	0
57	MG	1A	3455	1/1	0.93	0.07	49,49,49,49	0
57	MG	1a	1624	1/1	0.93	0.31	58,58,58,58	0
57	MG	2A	3301	1/1	0.93	0.08	45,45,45,45	0
57	MG	1x	113	1/1	0.93	0.14	64,64,64,64	0
57	MG	1A	3665	1/1	0.93	0.15	54,54,54,54	0
57	MG	1a	1626	1/1	0.93	0.09	53,53,53,53	0
57	MG	2Q	205	1/1	0.93	0.12	42,42,42,42	0
57	MG	1A	3770	1/1	0.93	0.09	24,24,24,24	0
57	MG	2A	3579	1/1	0.93	0.09	31,31,31,31	0
57	MG	2A	3001	1/1	0.93	0.10	42,42,42,42	0
57	MG	1A	3918	1/1	0.93	0.07	48,48,48,48	0
57	MG	2A	3004	1/1	0.93	0.18	54,54,54,54	0
57	MG	2A	3006	1/1	0.93	0.24	53,53,53,53	0
57	MG	1a	1634	1/1	0.93	0.25	57,57,57,57	0
57	MG	2X	102	1/1	0.93	0.23	66,66,66,66	0
57	MG	2Z	301	1/1	0.93	0.09	70,70,70,70	0
57	MG	1A	4071	1/1	0.93	0.10	28,28,28,28	0
57	MG	23	101	1/1	0.93	0.18	55,55,55,55	0
57	MG	25	101	1/1	0.93	0.13	44,44,44,44	0
57	MG	2A	3598	1/1	0.93	0.11	55,55,55,55	0
57	MG	2A	3022	1/1	0.93	0.20	69,69,69,69	0
57	MG	1A	3382	1/1	0.93	0.07	45,45,45,45	0
57	MG	1a	1637	1/1	0.93	0.24	51,51,51,51	0
57	MG	1A	3233	1/1	0.93	0.24	37,37,37,37	0
57	MG	2A	3036	1/1	0.93	0.12	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3043	1/1	0.93	0.12	55,55,55,55	0
57	MG	2A	3046	1/1	0.93	0.07	42,42,42,42	0
57	MG	1A	3460	1/1	0.93	0.17	55,55,55,55	0
57	MG	2A	3052	1/1	0.93	0.16	55,55,55,55	0
57	MG	1a	1640	1/1	0.93	0.20	55,55,55,55	0
57	MG	2A	3056	1/1	0.93	0.17	49,49,49,49	0
57	MG	1A	4077	1/1	0.93	0.07	41,41,41,41	0
57	MG	2a	1612	1/1	0.93	0.20	53,53,53,53	0
57	MG	1A	3269	1/1	0.93	0.30	48,48,48,48	0
57	MG	1a	1650	1/1	0.93	0.21	61,61,61,61	0
57	MG	1A	3781	1/1	0.93	0.08	19,19,19,19	0
57	MG	1A	3672	1/1	0.93	0.07	40,40,40,40	0
57	MG	1A	3937	1/1	0.93	0.07	56,56,56,56	0
57	MG	1A	3462	1/1	0.93	0.13	49,49,49,49	0
57	MG	2A	3073	1/1	0.93	0.08	50,50,50,50	0
57	MG	2A	3638	1/1	0.93	0.13	44,44,44,44	0
57	MG	1A	4086	1/1	0.93	0.06	42,42,42,42	0
57	MG	2A	3342	1/1	0.93	0.14	46,46,46,46	0
57	MG	2A	3641	1/1	0.93	0.11	42,42,42,42	0
57	MG	1a	1670	1/1	0.93	0.29	59,59,59,59	0
57	MG	1A	3676	1/1	0.93	0.05	23,23,23,23	0
57	MG	1A	3395	1/1	0.93	0.09	55,55,55,55	0
57	MG	2A	3646	1/1	0.93	0.09	56,56,56,56	0
57	MG	2A	3347	1/1	0.93	0.09	49,49,49,49	0
57	MG	2A	3088	1/1	0.93	0.25	55,55,55,55	0
57	MG	2A	3660	1/1	0.93	0.10	48,48,48,48	0
57	MG	1A	3403	1/1	0.93	0.07	35,35,35,35	0
57	MG	1A	3404	1/1	0.93	0.07	34,34,34,34	0
57	MG	1a	1683	1/1	0.93	0.15	51,51,51,51	0
57	MG	2A	3097	1/1	0.93	0.11	47,47,47,47	0
57	MG	1A	4095	1/1	0.93	0.14	53,53,53,53	0
57	MG	2a	1649	1/1	0.93	0.21	63,63,63,63	0
57	MG	2a	1651	1/1	0.93	0.08	47,47,47,47	0
57	MG	2A	3102	1/1	0.93	0.10	48,48,48,48	0
57	MG	1A	4097	1/1	0.93	0.08	36,36,36,36	0
57	MG	2a	1659	1/1	0.93	0.08	72,72,72,72	0
57	MG	1A	3405	1/1	0.93	0.15	45,45,45,45	0
57	MG	1A	4102	1/1	0.93	0.06	59,59,59,59	0
57	MG	2A	3108	1/1	0.93	0.23	49,49,49,49	0
57	MG	1A	3273	1/1	0.93	0.11	52,52,52,52	0
57	MG	1A	3016	1/1	0.93	0.23	53,53,53,53	0
57	MG	2a	1669	1/1	0.93	0.11	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1693	1/1	0.93	0.07	60,60,60,60	0
57	MG	2A	3116	1/1	0.93	0.28	58,58,58,58	0
57	MG	1a	1695	1/1	0.93	0.21	52,52,52,52	0
57	MG	1A	3591	1/1	0.93	0.08	32,32,32,32	0
57	MG	1A	3161	1/1	0.93	0.09	49,49,49,49	0
57	MG	1A	3967	1/1	0.93	0.13	72,72,72,72	0
57	MG	1A	3206	1/1	0.93	0.07	59,59,59,59	0
57	MG	2A	3127	1/1	0.93	0.08	61,61,61,61	0
57	MG	2a	1690	1/1	0.93	0.17	59,59,59,59	0
57	MG	2a	1691	1/1	0.93	0.10	55,55,55,55	0
57	MG	2A	3695	1/1	0.93	0.10	75,75,75,75	0
57	MG	2a	1694	1/1	0.93	0.17	53,53,53,53	0
57	MG	2a	1695	1/1	0.93	0.25	54,54,54,54	0
57	MG	2a	1696	1/1	0.93	0.13	67,67,67,67	0
57	MG	2A	3696	1/1	0.93	0.08	60,60,60,60	0
57	MG	1A	3970	1/1	0.93	0.08	49,49,49,49	0
57	MG	1a	1706	1/1	0.93	0.25	52,52,52,52	0
57	MG	2A	3136	1/1	0.93	0.09	42,42,42,42	0
57	MG	2a	1708	1/1	0.93	0.15	63,63,63,63	0
57	MG	2A	3387	1/1	0.93	0.17	60,60,60,60	0
57	MG	1A	3813	1/1	0.93	0.06	49,49,49,49	0
57	MG	2A	3389	1/1	0.93	0.13	51,51,51,51	0
57	MG	2a	1713	1/1	0.93	0.10	63,63,63,63	0
57	MG	1A	3972	1/1	0.93	0.08	58,58,58,58	0
57	MG	1a	1712	1/1	0.93	0.09	49,49,49,49	0
57	MG	2a	1717	1/1	0.93	0.14	50,50,50,50	0
57	MG	1A	3815	1/1	0.93	0.21	29,29,29,29	0
57	MG	2a	1720	1/1	0.93	0.25	66,66,66,66	0
57	MG	2A	3395	1/1	0.93	0.15	58,58,58,58	0
57	MG	2A	3396	1/1	0.93	0.27	60,60,60,60	0
57	MG	1A	3699	1/1	0.93	0.09	25,25,25,25	0
57	MG	1A	3981	1/1	0.93	0.06	42,42,42,42	0
57	MG	1A	3819	1/1	0.93	0.09	39,39,39,39	0
57	MG	1A	3413	1/1	0.93	0.08	50,50,50,50	0
57	MG	2A	3405	1/1	0.93	0.15	53,53,53,53	0
57	MG	1A	3350	1/1	0.93	0.09	44,44,44,44	0
57	MG	1A	3506	1/1	0.93	0.10	46,46,46,46	0
57	MG	2a	1731	1/1	0.93	0.13	62,62,62,62	0
57	MG	1A	3088	1/1	0.93	0.23	54,54,54,54	0
57	MG	2A	3412	1/1	0.93	0.13	47,47,47,47	0
57	MG	1A	3514	1/1	0.93	0.14	25,25,25,25	0
57	MG	1a	1733	1/1	0.93	0.14	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	3744	1/1	0.93	0.07	61,61,61,61	0
57	MG	2A	3418	1/1	0.93	0.07	52,52,52,52	0
57	MG	1A	3833	1/1	0.93	0.09	34,34,34,34	0
57	MG	1A	3998	1/1	0.93	0.13	55,55,55,55	0
57	MG	1B	233	1/1	0.93	0.10	37,37,37,37	0
57	MG	2A	3751	1/1	0.93	0.16	67,67,67,67	0
57	MG	2A	3423	1/1	0.93	0.17	57,57,57,57	0
57	MG	1A	3610	1/1	0.93	0.14	42,42,42,42	0
57	MG	2a	1764	1/1	0.93	0.07	75,75,75,75	0
57	MG	1D	311	1/1	0.93	0.10	46,46,46,46	0
57	MG	2A	3756	1/1	0.93	0.11	48,48,48,48	0
57	MG	2A	3427	1/1	0.93	0.22	43,43,43,43	0
57	MG	1D	312	1/1	0.93	0.14	34,34,34,34	0
57	MG	2a	1777	1/1	0.93	0.07	49,49,49,49	0
57	MG	2A	3194	1/1	0.93	0.23	57,57,57,57	0
57	MG	1A	3717	1/1	0.93	0.09	35,35,35,35	0
57	MG	1a	1752	1/1	0.93	0.10	58,58,58,58	0
57	MG	2a	1785	1/1	0.93	0.08	55,55,55,55	0
57	MG	2A	3765	1/1	0.93	0.09	49,49,49,49	0
57	MG	1a	1754	1/1	0.93	0.24	63,63,63,63	0
57	MG	1a	1758	1/1	0.93	0.06	39,39,39,39	0
57	MG	2A	3206	1/1	0.93	0.08	49,49,49,49	0
57	MG	1A	4002	1/1	0.93	0.10	47,47,47,47	0
57	MG	1F	309	1/1	0.93	0.10	27,27,27,27	0
57	MG	1A	3518	1/1	0.93	0.08	49,49,49,49	0
57	MG	2A	3444	1/1	0.93	0.12	54,54,54,54	0
57	MG	2A	3445	1/1	0.93	0.14	49,49,49,49	0
57	MG	1A	3842	1/1	0.93	0.12	40,40,40,40	0
57	MG	1O	204	1/1	0.93	0.08	47,47,47,47	0
57	MG	1A	3328	1/1	0.93	0.08	43,43,43,43	0
57	MG	2A	3219	1/1	0.93	0.12	59,59,59,59	0
57	MG	1a	1771	1/1	0.93	0.09	70,70,70,70	0
57	MG	2A	3454	1/1	0.93	0.12	48,48,48,48	0
57	MG	2A	3806	1/1	0.93	0.10	65,65,65,65	0
57	MG	1a	1773	1/1	0.93	0.07	70,70,70,70	0
57	MG	2a	1812	1/1	0.93	0.18	66,66,66,66	0
57	MG	1A	3845	1/1	0.93	0.18	60,60,60,60	0
57	MG	2a	1815	1/1	0.93	0.16	58,58,58,58	0
57	MG	2A	3457	1/1	0.93	0.12	56,56,56,56	0
57	MG	2A	3458	1/1	0.93	0.14	49,49,49,49	0
57	MG	2a	1819	1/1	0.93	0.18	58,58,58,58	0
57	MG	2a	1821	1/1	0.93	0.23	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	1A	3101	1/1	0.93	0.11	52,52,52,52	0
57	MG	1A	3847	1/1	0.93	0.11	45,45,45,45	0
57	MG	2A	3465	1/1	0.93	0.16	49,49,49,49	0
57	MG	1A	3726	1/1	0.93	0.08	36,36,36,36	0
57	MG	2a	1828	1/1	0.93	0.08	60,60,60,60	0
57	MG	1A	3728	1/1	0.93	0.10	44,44,44,44	0
57	MG	2A	3231	1/1	0.93	0.15	62,62,62,62	0
57	MG	1a	1783	1/1	0.93	0.09	64,64,64,64	0
57	MG	2a	1832	1/1	0.93	0.26	68,68,68,68	0
57	MG	2A	3829	1/1	0.93	0.11	61,61,61,61	0
57	MG	2A	3484	1/1	0.93	0.07	47,47,47,47	0
57	MG	2A	3491	1/1	0.93	0.14	59,59,59,59	0
57	MG	2A	3833	1/1	0.93	0.08	74,74,74,74	0
57	MG	1A	3370	1/1	0.93	0.36	67,67,67,67	0
57	MG	2A	3238	1/1	0.93	0.26	55,55,55,55	0
57	MG	2A	3838	1/1	0.93	0.11	38,38,38,38	0
57	MG	1A	3856	1/1	0.93	0.09	53,53,53,53	0
57	MG	2A	3847	1/1	0.93	0.06	61,61,61,61	0
57	MG	1A	3631	1/1	0.93	0.07	30,30,30,30	0
57	MG	2A	3854	1/1	0.93	0.09	49,49,49,49	0
57	MG	2l	202	1/1	0.93	0.22	60,60,60,60	0
57	MG	2A	3244	1/1	0.93	0.11	51,51,51,51	0
57	MG	1A	3374	1/1	0.93	0.09	39,39,39,39	0
57	MG	1A	3873	1/1	0.93	0.14	53,53,53,53	0
57	MG	1a	1793	1/1	0.93	0.08	53,53,53,53	0
57	MG	2A	3255	1/1	0.93	0.25	60,60,60,60	0
57	MG	1A	3736	1/1	0.93	0.17	55,55,55,55	0
57	MG	2A	3512	1/1	0.93	0.10	37,37,37,37	0
57	MG	1Y	202	1/1	0.93	0.07	64,64,64,64	0
57	MG	1A	3877	1/1	0.93	0.12	33,33,33,33	0
57	MG	1A	3376	1/1	0.93	0.07	39,39,39,39	0
57	MG	1A	3636	1/1	0.93	0.08	52,52,52,52	0
57	MG	1A	3745	1/1	0.93	0.13	39,39,39,39	0
57	MG	2A	3528	1/1	0.93	0.10	59,59,59,59	0
57	MG	1A	3889	1/1	0.93	0.06	29,29,29,29	0
57	MG	12	102	1/1	0.93	0.09	46,46,46,46	0
57	MG	2B	201	1/1	0.93	0.31	66,66,66,66	0
57	MG	13	101	1/1	0.93	0.06	35,35,35,35	0
57	MG	1A	3437	1/1	0.93	0.09	60,60,60,60	0
57	MG	2A	3279	1/1	0.93	0.08	58,58,58,58	0
57	MG	14	101	1/1	0.93	0.18	54,54,54,54	0
57	MG	2A	3283	1/1	0.93	0.27	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	2B	209	1/1	0.93	0.17	61,61,61,61	0
57	MG	1a	1667	1/1	0.94	0.27	65,65,65,65	0
57	MG	1a	1668	1/1	0.94	0.12	51,51,51,51	0
57	MG	1A	3853	1/1	0.94	0.12	47,47,47,47	0
57	MG	1A	3162	1/1	0.94	0.13	36,36,36,36	0
57	MG	1A	3050	1/1	0.94	0.08	46,46,46,46	0
57	MG	1A	3993	1/1	0.94	0.07	67,67,67,67	0
57	MG	1B	216	1/1	0.94	0.07	47,47,47,47	0
57	MG	2B	213	1/1	0.94	0.26	49,49,49,49	0
57	MG	2A	3033	1/1	0.94	0.08	47,47,47,47	0
57	MG	2B	215	1/1	0.94	0.10	51,51,51,51	0
57	MG	2A	3550	1/1	0.94	0.11	36,36,36,36	0
57	MG	1a	1677	1/1	0.94	0.16	52,52,52,52	0
57	MG	2A	3040	1/1	0.94	0.08	48,48,48,48	0
57	MG	1A	3492	1/1	0.94	0.12	34,34,34,34	0
57	MG	1A	3301	1/1	0.94	0.14	39,39,39,39	0
57	MG	1A	3497	1/1	0.94	0.07	41,41,41,41	0
57	MG	2A	3051	1/1	0.94	0.08	54,54,54,54	0
57	MG	1B	222	1/1	0.94	0.09	56,56,56,56	0
57	MG	2A	3563	1/1	0.94	0.06	39,39,39,39	0
57	MG	2A	3053	1/1	0.94	0.12	55,55,55,55	0
57	MG	1a	1687	1/1	0.94	0.15	54,54,54,54	0
57	MG	1A	3866	1/1	0.94	0.09	49,49,49,49	0
57	MG	1a	1689	1/1	0.94	0.10	55,55,55,55	0
57	MG	1A	3868	1/1	0.94	0.07	42,42,42,42	0
57	MG	1A	3870	1/1	0.94	0.10	45,45,45,45	0
57	MG	2O	201	1/1	0.94	0.18	69,69,69,69	0
57	MG	2P	201	1/1	0.94	0.11	56,56,56,56	0
57	MG	2A	3060	1/1	0.94	0.17	50,50,50,50	0
57	MG	2A	3572	1/1	0.94	0.09	42,42,42,42	0
57	MG	1A	3872	1/1	0.94	0.07	35,35,35,35	0
57	MG	1B	230	1/1	0.94	0.13	49,49,49,49	0
57	MG	2A	3065	1/1	0.94	0.10	53,53,53,53	0
57	MG	1A	3103	1/1	0.94	0.08	20,20,20,20	0
57	MG	1A	3583	1/1	0.94	0.09	51,51,51,51	0
57	MG	1A	3766	1/1	0.94	0.07	42,42,42,42	0
57	MG	2A	3588	1/1	0.94	0.11	43,43,43,43	0
57	MG	1A	3879	1/1	0.94	0.05	36,36,36,36	0
57	MG	1A	3675	1/1	0.94	0.08	31,31,31,31	0
57	MG	1A	3501	1/1	0.94	0.10	52,52,52,52	0
57	MG	2A	3326	1/1	0.94	0.13	55,55,55,55	0
57	MG	2A	3084	1/1	0.94	0.11	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	3886	1/1	0.94	0.21	34,34,34,34	0
57	MG	1a	1707	1/1	0.94	0.21	53,53,53,53	0
57	MG	1a	1708	1/1	0.94	0.25	61,61,61,61	0
57	MG	2A	3604	1/1	0.94	0.20	59,59,59,59	0
57	MG	1A	3887	1/1	0.94	0.17	37,37,37,37	0
57	MG	1E	312	1/1	0.94	0.07	45,45,45,45	0
57	MG	2A	3095	1/1	0.94	0.06	39,39,39,39	0
57	MG	2A	3096	1/1	0.94	0.10	53,53,53,53	0
57	MG	1A	3383	1/1	0.94	0.09	42,42,42,42	0
57	MG	1F	311	1/1	0.94	0.16	54,54,54,54	0
57	MG	1A	3680	1/1	0.94	0.07	25,25,25,25	0
57	MG	1a	1715	1/1	0.94	0.25	51,51,51,51	0
57	MG	1a	1716	1/1	0.94	0.11	38,38,38,38	0
57	MG	1A	3890	1/1	0.94	0.06	44,44,44,44	0
57	MG	1O	202	1/1	0.94	0.17	47,47,47,47	0
57	MG	2a	1613	1/1	0.94	0.11	53,53,53,53	0
57	MG	1O	203	1/1	0.94	0.07	52,52,52,52	0
57	MG	2A	3624	1/1	0.94	0.20	57,57,57,57	0
57	MG	2A	3625	1/1	0.94	0.08	38,38,38,38	0
57	MG	1a	1721	1/1	0.94	0.17	49,49,49,49	0
57	MG	1A	3592	1/1	0.94	0.07	40,40,40,40	0
57	MG	2A	3630	1/1	0.94	0.08	58,58,58,58	0
57	MG	2A	3350	1/1	0.94	0.10	65,65,65,65	0
57	MG	2A	3351	1/1	0.94	0.11	42,42,42,42	0
57	MG	1a	1723	1/1	0.94	0.10	45,45,45,45	0
57	MG	1A	3384	1/1	0.94	0.09	54,54,54,54	0
57	MG	2A	3354	1/1	0.94	0.17	55,55,55,55	0
57	MG	1A	3777	1/1	0.94	0.14	30,30,30,30	0
57	MG	1A	3687	1/1	0.94	0.16	50,50,50,50	0
57	MG	1A	3389	1/1	0.94	0.08	52,52,52,52	0
57	MG	2A	3358	1/1	0.94	0.14	57,57,57,57	0
57	MG	1A	3902	1/1	0.94	0.06	33,33,33,33	0
57	MG	2a	1634	1/1	0.94	0.09	57,57,57,57	0
57	MG	2a	1635	1/1	0.94	0.10	69,69,69,69	0
57	MG	2A	3360	1/1	0.94	0.17	61,61,61,61	0
57	MG	2a	1639	1/1	0.94	0.22	53,53,53,53	0
57	MG	2A	3650	1/1	0.94	0.11	54,54,54,54	0
57	MG	2A	3651	1/1	0.94	0.27	56,56,56,56	0
57	MG	2A	3653	1/1	0.94	0.07	55,55,55,55	0
57	MG	2A	3363	1/1	0.94	0.12	59,59,59,59	0
57	MG	2A	3655	1/1	0.94	0.19	52,52,52,52	0
57	MG	1S	201	1/1	0.94	0.16	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1738	1/1	0.94	0.10	41,41,41,41	0
57	MG	2A	3131	1/1	0.94	0.08	47,47,47,47	0
57	MG	2A	3132	1/1	0.94	0.23	67,67,67,67	0
57	MG	1A	4031	1/1	0.94	0.07	24,24,24,24	0
57	MG	2a	1657	1/1	0.94	0.07	41,41,41,41	0
57	MG	2a	1658	1/1	0.94	0.15	57,57,57,57	0
57	MG	2A	3134	1/1	0.94	0.10	42,42,42,42	0
57	MG	1A	3785	1/1	0.94	0.08	42,42,42,42	0
57	MG	1A	3689	1/1	0.94	0.06	27,27,27,27	0
57	MG	2a	1662	1/1	0.94	0.08	50,50,50,50	0
57	MG	1a	1746	1/1	0.94	0.07	43,43,43,43	0
57	MG	1T	204	1/1	0.94	0.10	50,50,50,50	0
57	MG	2a	1666	1/1	0.94	0.18	55,55,55,55	0
57	MG	2A	3143	1/1	0.94	0.21	45,45,45,45	0
57	MG	1A	3308	1/1	0.94	0.15	51,51,51,51	0
57	MG	2A	3679	1/1	0.94	0.10	63,63,63,63	0
57	MG	1A	3602	1/1	0.94	0.08	36,36,36,36	0
57	MG	2a	1674	1/1	0.94	0.25	59,59,59,59	0
57	MG	2A	3148	1/1	0.94	0.15	43,43,43,43	0
57	MG	2A	3383	1/1	0.94	0.12	65,65,65,65	0
57	MG	1A	3911	1/1	0.94	0.09	46,46,46,46	0
57	MG	1A	4045	1/1	0.94	0.12	75,75,75,75	0
57	MG	1a	1760	1/1	0.94	0.09	60,60,60,60	0
57	MG	2a	1686	1/1	0.94	0.09	56,56,56,56	0
57	MG	2A	3160	1/1	0.94	0.07	48,48,48,48	0
57	MG	2a	1688	1/1	0.94	0.14	54,54,54,54	0
57	MG	2a	1689	1/1	0.94	0.20	65,65,65,65	0
57	MG	1A	3603	1/1	0.94	0.18	37,37,37,37	0
57	MG	2A	3391	1/1	0.94	0.22	58,58,58,58	0
57	MG	2A	3694	1/1	0.94	0.09	38,38,38,38	0
57	MG	2a	1693	1/1	0.94	0.16	57,57,57,57	0
57	MG	2A	3165	1/1	0.94	0.10	40,40,40,40	0
57	MG	2A	3166	1/1	0.94	0.35	64,64,64,64	0
57	MG	2A	3698	1/1	0.94	0.12	45,45,45,45	0
57	MG	2A	3167	1/1	0.94	0.09	49,49,49,49	0
57	MG	1A	3511	1/1	0.94	0.20	55,55,55,55	0
57	MG	2a	1703	1/1	0.94	0.18	55,55,55,55	0
57	MG	2a	1704	1/1	0.94	0.10	56,56,56,56	0
57	MG	2a	1705	1/1	0.94	0.11	61,61,61,61	0
57	MG	1A	4049	1/1	0.94	0.11	67,67,67,67	0
57	MG	10	101	1/1	0.94	0.12	39,39,39,39	0
57	MG	2A	3704	1/1	0.94	0.06	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3398	1/1	0.94	0.11	57,57,57,57	0
57	MG	10	102	1/1	0.94	0.15	46,46,46,46	0
57	MG	2A	3177	1/1	0.94	0.18	48,48,48,48	0
57	MG	2A	3714	1/1	0.94	0.07	35,35,35,35	0
57	MG	1A	3309	1/1	0.94	0.22	54,54,54,54	0
57	MG	11	104	1/1	0.94	0.12	40,40,40,40	0
57	MG	2a	1716	1/1	0.94	0.09	57,57,57,57	0
57	MG	2A	3183	1/1	0.94	0.15	47,47,47,47	0
57	MG	1a	1772	1/1	0.94	0.08	58,58,58,58	0
57	MG	1A	3516	1/1	0.94	0.10	56,56,56,56	0
57	MG	2A	3410	1/1	0.94	0.23	65,65,65,65	0
57	MG	2A	3725	1/1	0.94	0.09	59,59,59,59	0
57	MG	2A	3190	1/1	0.94	0.10	57,57,57,57	0
57	MG	1A	3448	1/1	0.94	0.12	52,52,52,52	0
57	MG	2A	3414	1/1	0.94	0.07	64,64,64,64	0
57	MG	2A	3416	1/1	0.94	0.06	42,42,42,42	0
57	MG	1A	3701	1/1	0.94	0.07	52,52,52,52	0
57	MG	2A	3737	1/1	0.94	0.09	54,54,54,54	0
57	MG	1A	3179	1/1	0.94	0.14	47,47,47,47	0
57	MG	1A	3396	1/1	0.94	0.15	40,40,40,40	0
57	MG	2A	3197	1/1	0.94	0.26	50,50,50,50	0
57	MG	2A	3741	1/1	0.94	0.12	49,49,49,49	0
57	MG	1A	3454	1/1	0.94	0.10	45,45,45,45	0
57	MG	1A	3402	1/1	0.94	0.09	42,42,42,42	0
57	MG	2a	1741	1/1	0.94	0.10	72,72,72,72	0
57	MG	17	103	1/1	0.94	0.12	51,51,51,51	0
57	MG	2A	3205	1/1	0.94	0.07	44,44,44,44	0
57	MG	18	103	1/1	0.94	0.18	50,50,50,50	0
57	MG	2A	3428	1/1	0.94	0.14	34,34,34,34	0
57	MG	1A	3456	1/1	0.94	0.08	42,42,42,42	0
57	MG	2a	1752	1/1	0.94	0.08	66,66,66,66	0
57	MG	1A	3629	1/1	0.94	0.08	29,29,29,29	0
57	MG	1A	3942	1/1	0.94	0.08	48,48,48,48	0
57	MG	1a	1602	1/1	0.94	0.10	49,49,49,49	0
57	MG	1A	3943	1/1	0.94	0.07	36,36,36,36	0
57	MG	1A	3181	1/1	0.94	0.09	59,59,59,59	0
57	MG	2A	3438	1/1	0.94	0.08	42,42,42,42	0
57	MG	1a	1802	1/1	0.94	0.07	54,54,54,54	0
57	MG	1A	4078	1/1	0.94	0.08	44,44,44,44	0
57	MG	1A	3108	1/1	0.94	0.15	31,31,31,31	0
57	MG	2A	3223	1/1	0.94	0.12	50,50,50,50	0
57	MG	1a	1617	1/1	0.94	0.08	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1782	1/1	0.94	0.10	49,49,49,49	0
57	MG	2a	1783	1/1	0.94	0.13	65,65,65,65	0
57	MG	1a	1812	1/1	0.94	0.08	60,60,60,60	0
57	MG	2A	3769	1/1	0.94	0.10	58,58,58,58	0
57	MG	1A	3140	1/1	0.94	0.19	56,56,56,56	0
57	MG	2A	3772	1/1	0.94	0.12	41,41,41,41	0
57	MG	1a	1621	1/1	0.94	0.17	53,53,53,53	0
57	MG	1A	3538	1/1	0.94	0.14	40,40,40,40	0
57	MG	2A	3780	1/1	0.94	0.11	46,46,46,46	0
57	MG	2A	3450	1/1	0.94	0.29	49,49,49,49	0
57	MG	1b	301	1/1	0.94	0.07	68,68,68,68	0
57	MG	2A	3234	1/1	0.94	0.11	43,43,43,43	0
57	MG	1A	3285	1/1	0.94	0.29	45,45,45,45	0
57	MG	2A	3794	1/1	0.94	0.10	62,62,62,62	0
57	MG	2a	1800	1/1	0.94	0.11	47,47,47,47	0
57	MG	2A	3795	1/1	0.94	0.13	68,68,68,68	0
57	MG	1A	3729	1/1	0.94	0.08	33,33,33,33	0
57	MG	1A	3357	1/1	0.94	0.10	54,54,54,54	0
57	MG	2a	1805	1/1	0.94	0.11	57,57,57,57	0
57	MG	2A	3239	1/1	0.94	0.24	40,40,40,40	0
57	MG	2A	3800	1/1	0.94	0.08	47,47,47,47	0
57	MG	2A	3240	1/1	0.94	0.10	47,47,47,47	0
57	MG	2A	3804	1/1	0.94	0.12	67,67,67,67	0
57	MG	2A	3459	1/1	0.94	0.11	40,40,40,40	0
57	MG	2A	3241	1/1	0.94	0.11	45,45,45,45	0
57	MG	2A	3463	1/1	0.94	0.17	42,42,42,42	0
57	MG	2a	1816	1/1	0.94	0.20	62,62,62,62	0
57	MG	1n	101	1/1	0.94	0.10	50,50,50,50	0
57	MG	2A	3810	1/1	0.94	0.06	71,71,71,71	0
57	MG	1a	1627	1/1	0.94	0.07	41,41,41,41	0
57	MG	1A	3960	1/1	0.94	0.09	49,49,49,49	0
57	MG	2A	3467	1/1	0.94	0.23	49,49,49,49	0
57	MG	2A	3468	1/1	0.94	0.10	54,54,54,54	0
57	MG	1A	3834	1/1	0.94	0.07	36,36,36,36	0
57	MG	2A	3247	1/1	0.94	0.12	48,48,48,48	0
57	MG	2a	1827	1/1	0.94	0.09	57,57,57,57	0
57	MG	2A	3476	1/1	0.94	0.07	53,53,53,53	0
57	MG	1A	3237	1/1	0.94	0.09	37,37,37,37	0
57	MG	2A	3823	1/1	0.94	0.07	69,69,69,69	0
57	MG	2A	3481	1/1	0.94	0.08	50,50,50,50	0
57	MG	2A	3826	1/1	0.94	0.08	43,43,43,43	0
57	MG	2A	3827	1/1	0.94	0.08	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	3482	1/1	0.94	0.09	50,50,50,50	0
57	MG	1A	3360	1/1	0.94	0.10	50,50,50,50	0
57	MG	2A	3485	1/1	0.94	0.10	59,59,59,59	0
57	MG	2A	3489	1/1	0.94	0.08	57,57,57,57	0
57	MG	1A	3838	1/1	0.94	0.12	52,52,52,52	0
57	MG	2A	3493	1/1	0.94	0.12	53,53,53,53	0
57	MG	2A	3836	1/1	0.94	0.10	53,53,53,53	0
57	MG	1A	3648	1/1	0.94	0.06	19,19,19,19	0
57	MG	1A	3738	1/1	0.94	0.07	51,51,51,51	0
57	MG	2A	3844	1/1	0.94	0.09	41,41,41,41	0
57	MG	2A	3499	1/1	0.94	0.10	55,55,55,55	0
57	MG	2A	3852	1/1	0.94	0.08	55,55,55,55	0
57	MG	2A	3501	1/1	0.94	0.08	47,47,47,47	0
57	MG	1A	3002	1/1	0.94	0.08	42,42,42,42	0
57	MG	2A	3856	1/1	0.94	0.07	58,58,58,58	0
57	MG	1A	3471	1/1	0.94	0.19	48,48,48,48	0
57	MG	1a	1641	1/1	0.94	0.26	59,59,59,59	0
57	MG	2v	102	1/1	0.94	0.26	64,64,64,64	0
57	MG	2A	3261	1/1	0.94	0.14	60,60,60,60	0
57	MG	1A	3976	1/1	0.94	0.06	32,32,32,32	0
57	MG	1A	3024	1/1	0.94	0.19	50,50,50,50	0
57	MG	2A	3870	1/1	0.94	0.12	34,34,34,34	0
57	MG	2A	3269	1/1	0.94	0.09	47,47,47,47	0
57	MG	2A	3271	1/1	0.94	0.19	58,58,58,58	0
57	MG	1A	3474	1/1	0.94	0.12	54,54,54,54	0
57	MG	1A	3848	1/1	0.94	0.06	37,37,37,37	0
57	MG	2A	3277	1/1	0.94	0.07	50,50,50,50	0
57	MG	1A	4116	1/1	0.94	0.14	42,42,42,42	0
57	MG	2A	3520	1/1	0.94	0.08	42,42,42,42	0
57	MG	2y	101	1/1	0.94	0.08	60,60,60,60	0
57	MG	1A	3984	1/1	0.94	0.07	38,38,38,38	0
57	MG	1A	3660	1/1	0.94	0.07	34,34,34,34	0
57	MG	2A	3002	1/1	0.94	0.27	53,53,53,53	0
57	MG	1a	1662	1/1	0.94	0.08	45,45,45,45	0
57	MG	1a	1663	1/1	0.94	0.21	62,62,62,62	0
57	MG	1A	3298	1/1	0.95	0.30	56,56,56,56	0
57	MG	1G	205	1/1	0.95	0.08	45,45,45,45	0
57	MG	1I	201	1/1	0.95	0.08	50,50,50,50	0
57	MG	2A	3877	1/1	0.95	0.10	41,41,41,41	0
57	MG	2A	3515	1/1	0.95	0.13	57,57,57,57	0
57	MG	2A	3879	1/1	0.95	0.13	43,43,43,43	0
57	MG	1N	201	1/1	0.95	0.18	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	1O	201	1/1	0.95	0.06	59,59,59,59	0
57	MG	1A	3619	1/1	0.95	0.09	46,46,46,46	0
57	MG	1a	1784	1/1	0.95	0.11	65,65,65,65	0
57	MG	2A	3521	1/1	0.95	0.07	53,53,53,53	0
57	MG	2A	3524	1/1	0.95	0.07	31,31,31,31	0
57	MG	1A	3969	1/1	0.95	0.11	46,46,46,46	0
57	MG	2A	3526	1/1	0.95	0.07	37,37,37,37	0
57	MG	2A	3245	1/1	0.95	0.15	43,43,43,43	0
57	MG	2B	205	1/1	0.95	0.16	53,53,53,53	0
57	MG	1a	1786	1/1	0.95	0.07	44,44,44,44	0
57	MG	1A	3621	1/1	0.95	0.17	49,49,49,49	0
57	MG	1P	204	1/1	0.95	0.06	37,37,37,37	0
57	MG	1A	3786	1/1	0.95	0.06	31,31,31,31	0
57	MG	1A	3299	1/1	0.95	0.20	34,34,34,34	0
57	MG	2A	3536	1/1	0.95	0.12	46,46,46,46	0
57	MG	2A	3538	1/1	0.95	0.11	40,40,40,40	0
57	MG	1A	3973	1/1	0.95	0.05	36,36,36,36	0
57	MG	1A	3379	1/1	0.95	0.18	25,25,25,25	0
57	MG	1A	3381	1/1	0.95	0.07	46,46,46,46	0
57	MG	1A	3475	1/1	0.95	0.07	41,41,41,41	0
57	MG	1A	3478	1/1	0.95	0.08	40,40,40,40	0
57	MG	1A	3481	1/1	0.95	0.07	56,56,56,56	0
57	MG	1A	3637	1/1	0.95	0.06	33,33,33,33	0
57	MG	1A	3799	1/1	0.95	0.12	49,49,49,49	0
57	MG	2A	3266	1/1	0.95	0.06	43,43,43,43	0
57	MG	2E	303	1/1	0.95	0.12	44,44,44,44	0
57	MG	1U	202	1/1	0.95	0.13	41,41,41,41	0
57	MG	2A	3270	1/1	0.95	0.13	48,48,48,48	0
57	MG	2A	3555	1/1	0.95	0.08	50,50,50,50	0
57	MG	2A	3556	1/1	0.95	0.08	31,31,31,31	0
57	MG	1A	3802	1/1	0.95	0.07	24,24,24,24	0
57	MG	2A	3274	1/1	0.95	0.08	57,57,57,57	0
57	MG	2A	3559	1/1	0.95	0.08	47,47,47,47	0
57	MG	1U	208	1/1	0.95	0.16	34,34,34,34	0
57	MG	1V	206	1/1	0.95	0.06	37,37,37,37	0
57	MG	1A	3221	1/1	0.95	0.17	40,40,40,40	0
57	MG	1A	3303	1/1	0.95	0.05	26,26,26,26	0
57	MG	1f	201	1/1	0.95	0.14	39,39,39,39	0
57	MG	1A	3490	1/1	0.95	0.10	43,43,43,43	0
57	MG	2A	3282	1/1	0.95	0.10	47,47,47,47	0
57	MG	2T	203	1/1	0.95	0.06	42,42,42,42	0
57	MG	1A	3150	1/1	0.95	0.08	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	3570	1/1	0.95	0.07	58,58,58,58	0
57	MG	1t	201	1/1	0.95	0.13	51,51,51,51	0
57	MG	1A	3224	1/1	0.95	0.06	34,34,34,34	0
57	MG	2A	3574	1/1	0.95	0.11	39,39,39,39	0
57	MG	2X	101	1/1	0.95	0.10	65,65,65,65	0
57	MG	1A	3494	1/1	0.95	0.11	48,48,48,48	0
57	MG	1w	102	1/1	0.95	0.14	67,67,67,67	0
57	MG	20	101	1/1	0.95	0.10	48,48,48,48	0
57	MG	1w	103	1/1	0.95	0.15	52,52,52,52	0
57	MG	1A	3054	1/1	0.95	0.06	39,39,39,39	0
57	MG	23	103	1/1	0.95	0.10	52,52,52,52	0
57	MG	2A	3581	1/1	0.95	0.10	53,53,53,53	0
57	MG	1A	3055	1/1	0.95	0.07	33,33,33,33	0
57	MG	1w	108	1/1	0.95	0.11	73,73,73,73	0
57	MG	2A	3586	1/1	0.95	0.15	50,50,50,50	0
57	MG	28	101	1/1	0.95	0.09	45,45,45,45	0
57	MG	28	102	1/1	0.95	0.13	49,49,49,49	0
57	MG	28	103	1/1	0.95	0.07	68,68,68,68	0
57	MG	10	103	1/1	0.95	0.12	46,46,46,46	0
57	MG	10	104	1/1	0.95	0.08	49,49,49,49	0
57	MG	1A	3095	1/1	0.95	0.10	42,42,42,42	0
57	MG	1A	3239	1/1	0.95	0.15	36,36,36,36	0
57	MG	1x	105	1/1	0.95	0.10	51,51,51,51	0
57	MG	2A	3300	1/1	0.95	0.13	59,59,59,59	0
57	MG	1x	107	1/1	0.95	0.08	44,44,44,44	0
57	MG	1A	3400	1/1	0.95	0.15	40,40,40,40	0
57	MG	1A	3314	1/1	0.95	0.12	46,46,46,46	0
57	MG	2a	1610	1/1	0.95	0.17	59,59,59,59	0
57	MG	12	101	1/1	0.95	0.10	45,45,45,45	0
57	MG	1A	3823	1/1	0.95	0.06	19,19,19,19	0
57	MG	1A	3169	1/1	0.95	0.06	45,45,45,45	0
57	MG	2a	1614	1/1	0.95	0.18	53,53,53,53	0
57	MG	2A	3608	1/1	0.95	0.10	50,50,50,50	0
57	MG	1A	4009	1/1	0.95	0.06	73,73,73,73	0
57	MG	1x	114	1/1	0.95	0.09	53,53,53,53	0
57	MG	13	105	1/1	0.95	0.10	41,41,41,41	0
57	MG	1A	3827	1/1	0.95	0.10	37,37,37,37	0
57	MG	1A	3830	1/1	0.95	0.06	22,22,22,22	0
57	MG	2A	3615	1/1	0.95	0.09	40,40,40,40	0
57	MG	1A	3317	1/1	0.95	0.26	57,57,57,57	0
57	MG	2a	1623	1/1	0.95	0.25	66,66,66,66	0
57	MG	1A	3035	1/1	0.95	0.06	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	2a	1625	1/1	0.95	0.14	57,57,57,57	0
57	MG	1A	3406	1/1	0.95	0.09	35,35,35,35	0
57	MG	1A	3323	1/1	0.95	0.16	49,49,49,49	0
57	MG	2A	3622	1/1	0.95	0.10	34,34,34,34	0
57	MG	1A	3246	1/1	0.95	0.11	32,32,32,32	0
57	MG	2A	3007	1/1	0.95	0.15	46,46,46,46	0
57	MG	1A	4019	1/1	0.95	0.05	44,44,44,44	0
57	MG	1A	4020	1/1	0.95	0.06	33,33,33,33	0
57	MG	2A	3627	1/1	0.95	0.15	38,38,38,38	0
57	MG	1A	3040	1/1	0.95	0.17	55,55,55,55	0
57	MG	1a	1605	1/1	0.95	0.21	56,56,56,56	0
57	MG	1A	4022	1/1	0.95	0.06	14,14,14,14	0
57	MG	2a	1640	1/1	0.95	0.11	65,65,65,65	0
57	MG	2A	3636	1/1	0.95	0.15	41,41,41,41	0
57	MG	1A	3044	1/1	0.95	0.08	33,33,33,33	0
57	MG	2A	3031	1/1	0.95	0.08	52,52,52,52	0
57	MG	2a	1644	1/1	0.95	0.30	61,61,61,61	0
57	MG	2A	3330	1/1	0.95	0.07	49,49,49,49	0
57	MG	2A	3032	1/1	0.95	0.07	45,45,45,45	0
57	MG	2a	1647	1/1	0.95	0.15	62,62,62,62	0
57	MG	1a	1612	1/1	0.95	0.21	52,52,52,52	0
57	MG	1a	1613	1/1	0.95	0.08	44,44,44,44	0
57	MG	2a	1650	1/1	0.95	0.25	53,53,53,53	0
57	MG	2A	3037	1/1	0.95	0.10	43,43,43,43	0
57	MG	2a	1652	1/1	0.95	0.10	63,63,63,63	0
57	MG	2a	1653	1/1	0.95	0.25	62,62,62,62	0
57	MG	1A	3523	1/1	0.95	0.10	57,57,57,57	0
57	MG	2A	3337	1/1	0.95	0.20	48,48,48,48	0
57	MG	2A	3648	1/1	0.95	0.16	38,38,38,38	0
57	MG	2A	3338	1/1	0.95	0.10	52,52,52,52	0
57	MG	1A	3682	1/1	0.95	0.05	23,23,23,23	0
57	MG	1A	3844	1/1	0.95	0.09	52,52,52,52	0
57	MG	2A	3652	1/1	0.95	0.15	55,55,55,55	0
57	MG	2A	3047	1/1	0.95	0.26	57,57,57,57	0
57	MG	2A	3048	1/1	0.95	0.10	53,53,53,53	0
57	MG	1a	1622	1/1	0.95	0.09	44,44,44,44	0
57	MG	2A	3658	1/1	0.95	0.09	59,59,59,59	0
57	MG	2A	3659	1/1	0.95	0.13	50,50,50,50	0
57	MG	2a	1668	1/1	0.95	0.16	62,62,62,62	0
57	MG	1A	3070	1/1	0.95	0.29	37,37,37,37	0
57	MG	2A	3661	1/1	0.95	0.11	53,53,53,53	0
57	MG	1A	3525	1/1	0.95	0.07	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3257	1/1	0.95	0.15	42,42,42,42	0
57	MG	2a	1679	1/1	0.95	0.09	44,44,44,44	0
57	MG	1A	4036	1/1	0.95	0.08	40,40,40,40	0
57	MG	1A	3527	1/1	0.95	0.10	54,54,54,54	0
57	MG	1A	3334	1/1	0.95	0.14	44,44,44,44	0
57	MG	1A	3851	1/1	0.95	0.05	48,48,48,48	0
57	MG	1a	1630	1/1	0.95	0.19	47,47,47,47	0
57	MG	1A	3417	1/1	0.95	0.13	45,45,45,45	0
57	MG	2A	3062	1/1	0.95	0.18	58,58,58,58	0
57	MG	1A	3259	1/1	0.95	0.13	63,63,63,63	0
57	MG	1A	3186	1/1	0.95	0.25	33,33,33,33	0
57	MG	1A	3187	1/1	0.95	0.09	31,31,31,31	0
57	MG	1A	3429	1/1	0.95	0.09	39,39,39,39	0
57	MG	1A	4050	1/1	0.95	0.08	49,49,49,49	0
57	MG	2A	3072	1/1	0.95	0.08	41,41,41,41	0
57	MG	1A	3541	1/1	0.95	0.20	51,51,51,51	0
57	MG	2A	3685	1/1	0.95	0.13	50,50,50,50	0
57	MG	1A	3864	1/1	0.95	0.11	31,31,31,31	0
57	MG	1A	3543	1/1	0.95	0.11	37,37,37,37	0
57	MG	2A	3688	1/1	0.95	0.07	47,47,47,47	0
57	MG	2A	3689	1/1	0.95	0.07	54,54,54,54	0
57	MG	1A	3867	1/1	0.95	0.20	36,36,36,36	0
57	MG	2A	3691	1/1	0.95	0.14	50,50,50,50	0
57	MG	1A	3338	1/1	0.95	0.11	47,47,47,47	0
57	MG	2A	3368	1/1	0.95	0.06	50,50,50,50	0
57	MG	1A	3547	1/1	0.95	0.07	41,41,41,41	0
57	MG	2A	3087	1/1	0.95	0.23	63,63,63,63	0
57	MG	2A	3371	1/1	0.95	0.10	51,51,51,51	0
57	MG	1A	3704	1/1	0.95	0.08	42,42,42,42	0
57	MG	1A	3431	1/1	0.95	0.13	53,53,53,53	0
57	MG	1A	4070	1/1	0.95	0.05	37,37,37,37	0
57	MG	1A	3874	1/1	0.95	0.05	24,24,24,24	0
57	MG	1A	3708	1/1	0.95	0.10	46,46,46,46	0
57	MG	1A	3876	1/1	0.95	0.06	36,36,36,36	0
57	MG	2a	1718	1/1	0.95	0.15	56,56,56,56	0
57	MG	1A	3432	1/1	0.95	0.16	26,26,26,26	0
57	MG	1A	3878	1/1	0.95	0.15	37,37,37,37	0
57	MG	1A	3712	1/1	0.95	0.09	45,45,45,45	0
57	MG	1a	1671	1/1	0.95	0.16	51,51,51,51	0
57	MG	1a	1672	1/1	0.95	0.10	52,52,52,52	0
57	MG	1a	1673	1/1	0.95	0.12	45,45,45,45	0
57	MG	1A	4080	1/1	0.95	0.06	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3880	1/1	0.95	0.21	40,40,40,40	0
57	MG	2A	3110	1/1	0.95	0.06	53,53,53,53	0
57	MG	1A	3433	1/1	0.95	0.14	41,41,41,41	0
57	MG	2A	3724	1/1	0.95	0.10	44,44,44,44	0
57	MG	1A	3434	1/1	0.95	0.07	39,39,39,39	0
57	MG	1a	1679	1/1	0.95	0.13	60,60,60,60	0
57	MG	2A	3730	1/1	0.95	0.06	47,47,47,47	0
57	MG	1A	3715	1/1	0.95	0.10	43,43,43,43	0
57	MG	1A	3716	1/1	0.95	0.12	37,37,37,37	0
57	MG	2A	3119	1/1	0.95	0.13	49,49,49,49	0
57	MG	1A	3559	1/1	0.95	0.10	33,33,33,33	0
57	MG	2A	3736	1/1	0.95	0.11	45,45,45,45	0
57	MG	1A	3266	1/1	0.95	0.10	47,47,47,47	0
57	MG	2A	3401	1/1	0.95	0.14	53,53,53,53	0
57	MG	1A	4089	1/1	0.95	0.09	35,35,35,35	0
57	MG	1A	3111	1/1	0.95	0.09	39,39,39,39	0
57	MG	2A	3404	1/1	0.95	0.10	62,62,62,62	0
57	MG	1A	4092	1/1	0.95	0.04	19,19,19,19	0
57	MG	1A	3891	1/1	0.95	0.09	42,42,42,42	0
57	MG	1A	3721	1/1	0.95	0.06	57,57,57,57	0
57	MG	1A	3112	1/1	0.95	0.06	35,35,35,35	0
57	MG	2a	1767	1/1	0.95	0.07	58,58,58,58	0
57	MG	2a	1768	1/1	0.95	0.12	71,71,71,71	0
57	MG	1A	3724	1/1	0.95	0.11	54,54,54,54	0
57	MG	2A	3411	1/1	0.95	0.07	48,48,48,48	0
57	MG	1A	4098	1/1	0.95	0.07	14,14,14,14	0
57	MG	2a	1776	1/1	0.95	0.06	85,85,85,85	0
57	MG	1a	1696	1/1	0.95	0.19	41,41,41,41	0
57	MG	2a	1778	1/1	0.95	0.08	64,64,64,64	0
57	MG	1A	3567	1/1	0.95	0.18	48,48,48,48	0
57	MG	1A	4101	1/1	0.95	0.13	20,20,20,20	0
57	MG	1a	1700	1/1	0.95	0.20	48,48,48,48	0
57	MG	2A	3757	1/1	0.95	0.15	44,44,44,44	0
57	MG	2A	3145	1/1	0.95	0.13	44,44,44,44	0
57	MG	1A	3443	1/1	0.95	0.15	38,38,38,38	0
57	MG	1A	3117	1/1	0.95	0.12	36,36,36,36	0
57	MG	2a	1788	1/1	0.95	0.15	63,63,63,63	0
57	MG	1A	4106	1/1	0.95	0.07	50,50,50,50	0
57	MG	1A	3446	1/1	0.95	0.10	54,54,54,54	0
57	MG	1A	3732	1/1	0.95	0.08	47,47,47,47	0
57	MG	1A	3118	1/1	0.95	0.13	43,43,43,43	0
57	MG	2A	3157	1/1	0.95	0.10	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	3449	1/1	0.95	0.08	49,49,49,49	0
57	MG	1a	1710	1/1	0.95	0.09	53,53,53,53	0
57	MG	1A	3909	1/1	0.95	0.06	48,48,48,48	0
57	MG	1A	3450	1/1	0.95	0.10	43,43,43,43	0
57	MG	1A	3288	1/1	0.95	0.11	59,59,59,59	0
57	MG	2A	3777	1/1	0.95	0.13	55,55,55,55	0
57	MG	1A	3452	1/1	0.95	0.08	44,44,44,44	0
57	MG	1B	201	1/1	0.95	0.13	46,46,46,46	0
57	MG	2A	3784	1/1	0.95	0.07	72,72,72,72	0
57	MG	1B	203	1/1	0.95	0.10	43,43,43,43	0
57	MG	2A	3175	1/1	0.95	0.11	47,47,47,47	0
57	MG	1A	3121	1/1	0.95	0.17	29,29,29,29	0
57	MG	2A	3792	1/1	0.95	0.06	37,37,37,37	0
57	MG	2A	3793	1/1	0.95	0.06	46,46,46,46	0
57	MG	2A	3441	1/1	0.95	0.10	38,38,38,38	0
57	MG	1B	209	1/1	0.95	0.15	44,44,44,44	0
57	MG	1A	3017	1/1	0.95	0.12	59,59,59,59	0
57	MG	1A	3747	1/1	0.95	0.09	52,52,52,52	0
57	MG	1A	3053	1/1	0.95	0.07	32,32,32,32	0
57	MG	1B	217	1/1	0.95	0.10	44,44,44,44	0
57	MG	1A	3926	1/1	0.95	0.05	31,31,31,31	0
57	MG	2A	3188	1/1	0.95	0.20	52,52,52,52	0
57	MG	1A	3929	1/1	0.95	0.16	55,55,55,55	0
57	MG	1A	3599	1/1	0.95	0.11	57,57,57,57	0
57	MG	2A	3192	1/1	0.95	0.07	51,51,51,51	0
57	MG	2a	1826	1/1	0.95	0.21	61,61,61,61	0
57	MG	2A	3808	1/1	0.95	0.07	53,53,53,53	0
57	MG	1A	3600	1/1	0.95	0.06	70,70,70,70	0
57	MG	1A	3934	1/1	0.95	0.10	58,58,58,58	0
57	MG	1A	3754	1/1	0.95	0.17	58,58,58,58	0
57	MG	1a	1737	1/1	0.95	0.07	36,36,36,36	0
57	MG	1A	3601	1/1	0.95	0.26	56,56,56,56	0
57	MG	1A	3361	1/1	0.95	0.08	50,50,50,50	0
57	MG	2A	3201	1/1	0.95	0.11	50,50,50,50	0
57	MG	1A	3362	1/1	0.95	0.10	55,55,55,55	0
57	MG	2A	3204	1/1	0.95	0.17	52,52,52,52	0
57	MG	1A	3365	1/1	0.95	0.09	45,45,45,45	0
57	MG	1A	3605	1/1	0.95	0.12	48,48,48,48	0
57	MG	2A	3208	1/1	0.95	0.17	50,50,50,50	0
57	MG	1A	3368	1/1	0.95	0.12	32,32,32,32	0
57	MG	1A	3369	1/1	0.95	0.12	45,45,45,45	0
57	MG	1a	1750	1/1	0.95	0.10	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3473	1/1	0.95	0.13	58,58,58,58	0
57	MG	2A	3213	1/1	0.95	0.10	45,45,45,45	0
57	MG	2A	3214	1/1	0.95	0.16	54,54,54,54	0
57	MG	1A	3212	1/1	0.95	0.09	44,44,44,44	0
57	MG	1a	1753	1/1	0.95	0.09	48,48,48,48	0
57	MG	1A	3466	1/1	0.95	0.09	53,53,53,53	0
57	MG	1E	305	1/1	0.95	0.18	31,31,31,31	0
57	MG	2A	3839	1/1	0.95	0.12	51,51,51,51	0
57	MG	1E	307	1/1	0.95	0.14	55,55,55,55	0
57	MG	2A	3490	1/1	0.95	0.14	62,62,62,62	0
57	MG	1a	1763	1/1	0.95	0.09	42,42,42,42	0
57	MG	2A	3849	1/1	0.95	0.07	53,53,53,53	0
57	MG	1A	3611	1/1	0.95	0.05	19,19,19,19	0
57	MG	1A	3771	1/1	0.95	0.09	43,43,43,43	0
57	MG	1A	3613	1/1	0.95	0.10	52,52,52,52	0
57	MG	2A	3855	1/1	0.95	0.07	37,37,37,37	0
57	MG	2A	3226	1/1	0.95	0.26	49,49,49,49	0
57	MG	1F	304	1/1	0.95	0.09	38,38,38,38	0
57	MG	2A	3861	1/1	0.95	0.06	57,57,57,57	0
57	MG	1F	307	1/1	0.95	0.13	44,44,44,44	0
57	MG	1A	3614	1/1	0.95	0.07	21,21,21,21	0
57	MG	2A	3230	1/1	0.95	0.20	39,39,39,39	0
57	MG	2A	3865	1/1	0.95	0.06	62,62,62,62	0
57	MG	1A	3295	1/1	0.95	0.07	44,44,44,44	0
57	MG	1G	202	1/1	0.95	0.15	50,50,50,50	0
57	MG	1A	3297	1/1	0.95	0.17	40,40,40,40	0
57	MG	1A	3036	1/1	0.96	0.06	37,37,37,37	0
57	MG	1A	3966	1/1	0.96	0.09	38,38,38,38	0
57	MG	1A	3784	1/1	0.96	0.09	60,60,60,60	0
57	MG	1A	3632	1/1	0.96	0.06	32,32,32,32	0
57	MG	2A	3212	1/1	0.96	0.08	45,45,45,45	0
57	MG	1A	3390	1/1	0.96	0.19	44,44,44,44	0
57	MG	2A	3868	1/1	0.96	0.06	66,66,66,66	0
57	MG	2A	3869	1/1	0.96	0.06	60,60,60,60	0
57	MG	1A	3216	1/1	0.96	0.11	40,40,40,40	0
57	MG	1A	3217	1/1	0.96	0.06	34,34,34,34	0
57	MG	1A	3498	1/1	0.96	0.16	39,39,39,39	0
57	MG	1A	3499	1/1	0.96	0.06	52,52,52,52	0
57	MG	2A	3874	1/1	0.96	0.15	47,47,47,47	0
57	MG	2A	3510	1/1	0.96	0.05	20,20,20,20	0
57	MG	2A	3218	1/1	0.96	0.09	55,55,55,55	0
57	MG	2A	3514	1/1	0.96	0.09	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3793	1/1	0.96	0.08	46,46,46,46	0
57	MG	1A	3794	1/1	0.96	0.06	33,33,33,33	0
57	MG	2A	3884	1/1	0.96	0.08	49,49,49,49	0
57	MG	1A	3977	1/1	0.96	0.09	54,54,54,54	0
57	MG	2A	3888	1/1	0.96	0.14	54,54,54,54	0
57	MG	2A	3518	1/1	0.96	0.07	37,37,37,37	0
57	MG	2A	3222	1/1	0.96	0.18	46,46,46,46	0
57	MG	1A	3641	1/1	0.96	0.06	18,18,18,18	0
57	MG	1A	3092	1/1	0.96	0.15	38,38,38,38	0
57	MG	2A	3523	1/1	0.96	0.14	54,54,54,54	0
57	MG	1a	1775	1/1	0.96	0.10	44,44,44,44	0
57	MG	1Q	205	1/1	0.96	0.06	37,37,37,37	0
57	MG	1a	1777	1/1	0.96	0.07	60,60,60,60	0
57	MG	1Q	206	1/1	0.96	0.07	61,61,61,61	0
57	MG	1A	3982	1/1	0.96	0.06	25,25,25,25	0
57	MG	1a	1781	1/1	0.96	0.15	73,73,73,73	0
57	MG	1A	3644	1/1	0.96	0.05	22,22,22,22	0
57	MG	2B	211	1/1	0.96	0.15	57,57,57,57	0
57	MG	2A	3233	1/1	0.96	0.21	53,53,53,53	0
57	MG	1A	3645	1/1	0.96	0.15	41,41,41,41	0
57	MG	2A	3535	1/1	0.96	0.16	63,63,63,63	0
57	MG	1A	3801	1/1	0.96	0.08	40,40,40,40	0
57	MG	1A	3306	1/1	0.96	0.11	40,40,40,40	0
57	MG	1A	3990	1/1	0.96	0.06	48,48,48,48	0
57	MG	2A	3541	1/1	0.96	0.07	43,43,43,43	0
57	MG	1A	3397	1/1	0.96	0.08	31,31,31,31	0
57	MG	1T	201	1/1	0.96	0.08	49,49,49,49	0
57	MG	2D	301	1/1	0.96	0.15	47,47,47,47	0
57	MG	1A	3144	1/1	0.96	0.09	35,35,35,35	0
57	MG	2A	3546	1/1	0.96	0.07	44,44,44,44	0
57	MG	1A	3149	1/1	0.96	0.16	40,40,40,40	0
57	MG	1A	3507	1/1	0.96	0.11	24,24,24,24	0
57	MG	1A	3809	1/1	0.96	0.04	44,44,44,44	0
57	MG	1A	3652	1/1	0.96	0.09	29,29,29,29	0
57	MG	1V	204	1/1	0.96	0.22	36,36,36,36	0
57	MG	1A	3999	1/1	0.96	0.06	58,58,58,58	0
57	MG	1a	1804	1/1	0.96	0.07	52,52,52,52	0
57	MG	1V	207	1/1	0.96	0.05	36,36,36,36	0
57	MG	1A	3093	1/1	0.96	0.05	22,22,22,22	0
57	MG	1W	202	1/1	0.96	0.11	42,42,42,42	0
57	MG	2O	202	1/1	0.96	0.08	57,57,57,57	0
57	MG	1a	1814	1/1	0.96	0.07	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	3230	1/1	0.96	0.10	45,45,45,45	0
57	MG	1A	3513	1/1	0.96	0.23	33,33,33,33	0
57	MG	2A	3561	1/1	0.96	0.08	54,54,54,54	0
57	MG	1A	3817	1/1	0.96	0.10	48,48,48,48	0
57	MG	1a	1819	1/1	0.96	0.23	47,47,47,47	0
57	MG	1A	3661	1/1	0.96	0.06	40,40,40,40	0
57	MG	1A	3664	1/1	0.96	0.06	39,39,39,39	0
57	MG	1A	3232	1/1	0.96	0.12	57,57,57,57	0
57	MG	2V	202	1/1	0.96	0.17	41,41,41,41	0
57	MG	1e	201	1/1	0.96	0.09	67,67,67,67	0
57	MG	1A	3666	1/1	0.96	0.11	35,35,35,35	0
57	MG	1l	201	1/1	0.96	0.09	60,60,60,60	0
57	MG	2A	3272	1/1	0.96	0.17	47,47,47,47	0
57	MG	2A	3273	1/1	0.96	0.08	46,46,46,46	0
57	MG	1A	3152	1/1	0.96	0.07	41,41,41,41	0
57	MG	1A	3315	1/1	0.96	0.19	46,46,46,46	0
57	MG	10	106	1/1	0.96	0.06	47,47,47,47	0
57	MG	1A	3519	1/1	0.96	0.10	52,52,52,52	0
57	MG	10	108	1/1	0.96	0.06	42,42,42,42	0
57	MG	23	104	1/1	0.96	0.06	45,45,45,45	0
57	MG	2A	3580	1/1	0.96	0.08	46,46,46,46	0
57	MG	25	102	1/1	0.96	0.12	42,42,42,42	0
57	MG	1l	101	1/1	0.96	0.26	38,38,38,38	0
57	MG	2A	3280	1/1	0.96	0.20	56,56,56,56	0
57	MG	1l	102	1/1	0.96	0.17	56,56,56,56	0
57	MG	1w	104	1/1	0.96	0.12	66,66,66,66	0
57	MG	1w	105	1/1	0.96	0.14	50,50,50,50	0
57	MG	1A	3828	1/1	0.96	0.05	30,30,30,30	0
57	MG	1A	3670	1/1	0.96	0.06	24,24,24,24	0
57	MG	1A	3831	1/1	0.96	0.07	28,28,28,28	0
57	MG	2A	3595	1/1	0.96	0.10	54,54,54,54	0
57	MG	1w	109	1/1	0.96	0.14	46,46,46,46	0
57	MG	1A	3154	1/1	0.96	0.07	37,37,37,37	0
57	MG	2A	3289	1/1	0.96	0.15	46,46,46,46	0
57	MG	1A	3160	1/1	0.96	0.18	50,50,50,50	0
57	MG	1A	3240	1/1	0.96	0.07	44,44,44,44	0
57	MG	2A	3293	1/1	0.96	0.17	49,49,49,49	0
57	MG	1A	3069	1/1	0.96	0.09	32,32,32,32	0
57	MG	1x	104	1/1	0.96	0.12	64,64,64,64	0
57	MG	2A	3607	1/1	0.96	0.09	43,43,43,43	0
57	MG	1A	3324	1/1	0.96	0.05	34,34,34,34	0
57	MG	1x	106	1/1	0.96	0.11	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	3244	1/1	0.96	0.06	44,44,44,44	0
57	MG	15	102	1/1	0.96	0.07	30,30,30,30	0
57	MG	15	103	1/1	0.96	0.12	24,24,24,24	0
57	MG	1A	3679	1/1	0.96	0.07	34,34,34,34	0
57	MG	16	101	1/1	0.96	0.10	54,54,54,54	0
57	MG	2A	3303	1/1	0.96	0.10	45,45,45,45	0
57	MG	1A	3056	1/1	0.96	0.12	39,39,39,39	0
57	MG	18	101	1/1	0.96	0.16	41,41,41,41	0
57	MG	1A	3418	1/1	0.96	0.06	48,48,48,48	0
57	MG	1x	115	1/1	0.96	0.07	47,47,47,47	0
57	MG	1A	3420	1/1	0.96	0.06	41,41,41,41	0
57	MG	18	105	1/1	0.96	0.14	45,45,45,45	0
57	MG	2A	3312	1/1	0.96	0.07	49,49,49,49	0
57	MG	1A	4028	1/1	0.96	0.06	69,69,69,69	0
57	MG	1A	3099	1/1	0.96	0.07	36,36,36,36	0
57	MG	1A	3535	1/1	0.96	0.15	43,43,43,43	0
57	MG	1A	4032	1/1	0.96	0.06	28,28,28,28	0
57	MG	2A	3631	1/1	0.96	0.16	53,53,53,53	0
57	MG	1A	3422	1/1	0.96	0.10	29,29,29,29	0
57	MG	2A	3634	1/1	0.96	0.11	38,38,38,38	0
57	MG	2A	3635	1/1	0.96	0.07	41,41,41,41	0
57	MG	1A	3537	1/1	0.96	0.13	35,35,35,35	0
57	MG	1A	3424	1/1	0.96	0.08	33,33,33,33	0
57	MG	1a	1610	1/1	0.96	0.09	51,51,51,51	0
57	MG	2A	3010	1/1	0.96	0.21	54,54,54,54	0
57	MG	2A	3012	1/1	0.96	0.06	32,32,32,32	0
57	MG	1A	3330	1/1	0.96	0.18	51,51,51,51	0
57	MG	2A	3018	1/1	0.96	0.08	38,38,38,38	0
57	MG	1A	4041	1/1	0.96	0.12	65,65,65,65	0
57	MG	2A	3644	1/1	0.96	0.07	47,47,47,47	0
57	MG	1A	3852	1/1	0.96	0.06	50,50,50,50	0
57	MG	2A	3025	1/1	0.96	0.14	53,53,53,53	0
57	MG	1A	3001	1/1	0.96	0.05	39,39,39,39	0
57	MG	1A	3696	1/1	0.96	0.07	30,30,30,30	0
57	MG	1A	3248	1/1	0.96	0.10	52,52,52,52	0
57	MG	2A	3332	1/1	0.96	0.08	44,44,44,44	0
57	MG	2a	1654	1/1	0.96	0.12	51,51,51,51	0
57	MG	1A	3542	1/1	0.96	0.08	23,23,23,23	0
57	MG	1A	3250	1/1	0.96	0.15	38,38,38,38	0
57	MG	2A	3035	1/1	0.96	0.06	32,32,32,32	0
57	MG	1A	3859	1/1	0.96	0.06	17,17,17,17	0
57	MG	2A	3657	1/1	0.96	0.09	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	4051	1/1	0.96	0.06	70,70,70,70	0
57	MG	2A	3038	1/1	0.96	0.07	31,31,31,31	0
57	MG	2A	3039	1/1	0.96	0.10	47,47,47,47	0
57	MG	1A	3860	1/1	0.96	0.10	41,41,41,41	0
57	MG	2A	3662	1/1	0.96	0.09	54,54,54,54	0
57	MG	2A	3663	1/1	0.96	0.10	44,44,44,44	0
57	MG	2A	3041	1/1	0.96	0.07	44,44,44,44	0
57	MG	1A	4054	1/1	0.96	0.06	50,50,50,50	0
57	MG	1A	3861	1/1	0.96	0.10	63,63,63,63	0
57	MG	1A	3862	1/1	0.96	0.06	51,51,51,51	0
57	MG	1A	3075	1/1	0.96	0.11	37,37,37,37	0
57	MG	2a	1672	1/1	0.96	0.12	52,52,52,52	0
57	MG	2a	1673	1/1	0.96	0.07	51,51,51,51	0
57	MG	1a	1633	1/1	0.96	0.20	50,50,50,50	0
57	MG	2a	1675	1/1	0.96	0.17	56,56,56,56	0
57	MG	2a	1676	1/1	0.96	0.17	47,47,47,47	0
57	MG	2a	1678	1/1	0.96	0.12	36,36,36,36	0
57	MG	1A	4064	1/1	0.96	0.07	54,54,54,54	0
57	MG	1A	3546	1/1	0.96	0.14	43,43,43,43	0
57	MG	1A	3171	1/1	0.96	0.13	32,32,32,32	0
57	MG	1A	3255	1/1	0.96	0.06	34,34,34,34	0
57	MG	1A	3177	1/1	0.96	0.10	34,34,34,34	0
57	MG	1A	3869	1/1	0.96	0.13	45,45,45,45	0
57	MG	1A	3706	1/1	0.96	0.11	30,30,30,30	0
57	MG	1A	3871	1/1	0.96	0.10	44,44,44,44	0
57	MG	2A	3682	1/1	0.96	0.10	51,51,51,51	0
57	MG	1a	1642	1/1	0.96	0.11	58,58,58,58	0
57	MG	1A	3258	1/1	0.96	0.12	49,49,49,49	0
57	MG	1A	3709	1/1	0.96	0.08	33,33,33,33	0
57	MG	1a	1648	1/1	0.96	0.07	46,46,46,46	0
57	MG	1A	3341	1/1	0.96	0.12	34,34,34,34	0
57	MG	1A	3553	1/1	0.96	0.13	46,46,46,46	0
57	MG	1a	1655	1/1	0.96	0.14	51,51,51,51	0
57	MG	2A	3068	1/1	0.96	0.07	49,49,49,49	0
57	MG	2A	3071	1/1	0.96	0.07	38,38,38,38	0
57	MG	1A	4079	1/1	0.96	0.14	50,50,50,50	0
57	MG	2a	1700	1/1	0.96	0.18	53,53,53,53	0
57	MG	2a	1702	1/1	0.96	0.29	59,59,59,59	0
57	MG	1A	3438	1/1	0.96	0.08	39,39,39,39	0
57	MG	1A	3061	1/1	0.96	0.08	30,30,30,30	0
57	MG	2A	3077	1/1	0.96	0.06	44,44,44,44	0
57	MG	1A	3441	1/1	0.96	0.15	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3697	1/1	0.96	0.09	44,44,44,44	0
57	MG	1A	3180	1/1	0.96	0.09	49,49,49,49	0
57	MG	2A	3081	1/1	0.96	0.08	41,41,41,41	0
57	MG	2A	3374	1/1	0.96	0.15	56,56,56,56	0
57	MG	2A	3082	1/1	0.96	0.11	52,52,52,52	0
57	MG	1a	1664	1/1	0.96	0.06	41,41,41,41	0
57	MG	1a	1665	1/1	0.96	0.18	54,54,54,54	0
57	MG	2A	3705	1/1	0.96	0.11	50,50,50,50	0
57	MG	2A	3086	1/1	0.96	0.06	44,44,44,44	0
57	MG	2A	3708	1/1	0.96	0.10	43,43,43,43	0
57	MG	1A	3345	1/1	0.96	0.09	36,36,36,36	0
57	MG	1A	3110	1/1	0.96	0.07	40,40,40,40	0
57	MG	2A	3712	1/1	0.96	0.06	35,35,35,35	0
57	MG	2A	3089	1/1	0.96	0.06	45,45,45,45	0
57	MG	2a	1722	1/1	0.96	0.28	69,69,69,69	0
57	MG	1A	3351	1/1	0.96	0.08	45,45,45,45	0
57	MG	2A	3385	1/1	0.96	0.06	40,40,40,40	0
57	MG	1A	3265	1/1	0.96	0.07	59,59,59,59	0
57	MG	2A	3093	1/1	0.96	0.17	51,51,51,51	0
57	MG	1A	3079	1/1	0.96	0.11	31,31,31,31	0
57	MG	1A	3582	1/1	0.96	0.13	41,41,41,41	0
57	MG	2A	3723	1/1	0.96	0.07	40,40,40,40	0
57	MG	1A	3725	1/1	0.96	0.07	23,23,23,23	0
57	MG	1A	3354	1/1	0.96	0.12	53,53,53,53	0
57	MG	2A	3098	1/1	0.96	0.07	36,36,36,36	0
57	MG	2a	1733	1/1	0.96	0.12	42,42,42,42	0
57	MG	2A	3100	1/1	0.96	0.21	56,56,56,56	0
57	MG	1A	3727	1/1	0.96	0.10	43,43,43,43	0
57	MG	2a	1737	1/1	0.96	0.07	57,57,57,57	0
57	MG	1A	3356	1/1	0.96	0.07	43,43,43,43	0
57	MG	2a	1740	1/1	0.96	0.06	78,78,78,78	0
57	MG	1A	3893	1/1	0.96	0.04	27,27,27,27	0
57	MG	1a	1678	1/1	0.96	0.07	55,55,55,55	0
57	MG	1A	3081	1/1	0.96	0.18	31,31,31,31	0
57	MG	2a	1745	1/1	0.96	0.08	60,60,60,60	0
57	MG	1A	3358	1/1	0.96	0.29	37,37,37,37	0
57	MG	1A	3897	1/1	0.96	0.08	40,40,40,40	0
57	MG	1A	3272	1/1	0.96	0.13	33,33,33,33	0
57	MG	2a	1750	1/1	0.96	0.11	64,64,64,64	0
57	MG	2a	1751	1/1	0.96	0.12	58,58,58,58	0
57	MG	1A	3082	1/1	0.96	0.15	29,29,29,29	0
57	MG	2A	3113	1/1	0.96	0.20	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1755	1/1	0.96	0.06	45,45,45,45	0
57	MG	2a	1756	1/1	0.96	0.12	55,55,55,55	0
57	MG	2a	1758	1/1	0.96	0.08	73,73,73,73	0
57	MG	2A	3742	1/1	0.96	0.10	59,59,59,59	0
57	MG	2a	1761	1/1	0.96	0.07	57,57,57,57	0
57	MG	2a	1762	1/1	0.96	0.09	51,51,51,51	0
57	MG	2A	3406	1/1	0.96	0.21	52,52,52,52	0
57	MG	1a	1686	1/1	0.96	0.10	48,48,48,48	0
57	MG	1A	3901	1/1	0.96	0.09	26,26,26,26	0
57	MG	1A	3274	1/1	0.96	0.08	42,42,42,42	0
57	MG	1A	3735	1/1	0.96	0.06	48,48,48,48	0
57	MG	1A	3281	1/1	0.96	0.07	36,36,36,36	0
57	MG	2a	1771	1/1	0.96	0.07	59,59,59,59	0
57	MG	1A	3737	1/1	0.96	0.08	43,43,43,43	0
57	MG	1A	3459	1/1	0.96	0.06	43,43,43,43	0
57	MG	1A	4117	1/1	0.96	0.10	43,43,43,43	0
57	MG	2A	3415	1/1	0.96	0.10	51,51,51,51	0
57	MG	2A	3755	1/1	0.96	0.06	38,38,38,38	0
57	MG	1A	3364	1/1	0.96	0.24	44,44,44,44	0
57	MG	1A	3282	1/1	0.96	0.17	53,53,53,53	0
57	MG	1A	3283	1/1	0.96	0.10	36,36,36,36	0
57	MG	1a	1698	1/1	0.96	0.23	39,39,39,39	0
57	MG	2A	3760	1/1	0.96	0.06	49,49,49,49	0
57	MG	1A	3746	1/1	0.96	0.06	44,44,44,44	0
57	MG	1A	3463	1/1	0.96	0.06	53,53,53,53	0
57	MG	1a	1701	1/1	0.96	0.14	51,51,51,51	0
57	MG	1B	204	1/1	0.96	0.23	53,53,53,53	0
57	MG	2a	1790	1/1	0.96	0.07	49,49,49,49	0
57	MG	2A	3138	1/1	0.96	0.17	46,46,46,46	0
57	MG	2a	1792	1/1	0.96	0.10	42,42,42,42	0
57	MG	2A	3767	1/1	0.96	0.14	55,55,55,55	0
57	MG	1a	1703	1/1	0.96	0.10	51,51,51,51	0
57	MG	1B	206	1/1	0.96	0.16	47,47,47,47	0
57	MG	2A	3429	1/1	0.96	0.10	43,43,43,43	0
57	MG	1A	3087	1/1	0.96	0.06	35,35,35,35	0
57	MG	1A	3119	1/1	0.96	0.19	30,30,30,30	0
57	MG	1A	3752	1/1	0.96	0.07	26,26,26,26	0
57	MG	1B	212	1/1	0.96	0.10	50,50,50,50	0
57	MG	2A	3778	1/1	0.96	0.09	52,52,52,52	0
57	MG	2a	1802	1/1	0.96	0.14	50,50,50,50	0
57	MG	2A	3779	1/1	0.96	0.05	42,42,42,42	0
57	MG	1A	3372	1/1	0.96	0.20	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	1B	215	1/1	0.96	0.10	38,38,38,38	0
57	MG	2A	3782	1/1	0.96	0.07	52,52,52,52	0
57	MG	2A	3436	1/1	0.96	0.25	46,46,46,46	0
57	MG	2A	3437	1/1	0.96	0.13	39,39,39,39	0
57	MG	2A	3152	1/1	0.96	0.21	57,57,57,57	0
57	MG	2a	1810	1/1	0.96	0.11	56,56,56,56	0
57	MG	2a	1811	1/1	0.96	0.08	64,64,64,64	0
57	MG	1A	3927	1/1	0.96	0.14	30,30,30,30	0
57	MG	1A	3608	1/1	0.96	0.06	43,43,43,43	0
57	MG	2a	1814	1/1	0.96	0.08	60,60,60,60	0
57	MG	1A	3931	1/1	0.96	0.07	63,63,63,63	0
57	MG	2A	3158	1/1	0.96	0.07	48,48,48,48	0
57	MG	1A	3755	1/1	0.96	0.07	55,55,55,55	0
57	MG	2A	3161	1/1	0.96	0.08	62,62,62,62	0
57	MG	1A	3194	1/1	0.96	0.09	36,36,36,36	0
57	MG	2a	1820	1/1	0.96	0.21	53,53,53,53	0
57	MG	1A	3289	1/1	0.96	0.08	52,52,52,52	0
57	MG	1B	224	1/1	0.96	0.06	34,34,34,34	0
57	MG	1A	3195	1/1	0.96	0.18	35,35,35,35	0
57	MG	2A	3449	1/1	0.96	0.23	59,59,59,59	0
57	MG	1A	3612	1/1	0.96	0.05	29,29,29,29	0
57	MG	1A	3196	1/1	0.96	0.07	37,37,37,37	0
57	MG	1A	3939	1/1	0.96	0.07	52,52,52,52	0
57	MG	1A	3015	1/1	0.96	0.13	34,34,34,34	0
57	MG	1A	3941	1/1	0.96	0.10	43,43,43,43	0
57	MG	1A	3126	1/1	0.96	0.12	58,58,58,58	0
57	MG	1A	3132	1/1	0.96	0.14	44,44,44,44	0
57	MG	1a	1730	1/1	0.96	0.21	49,49,49,49	0
57	MG	2A	3182	1/1	0.96	0.09	46,46,46,46	0
57	MG	2A	3815	1/1	0.96	0.12	56,56,56,56	0
57	MG	1A	3482	1/1	0.96	0.08	54,54,54,54	0
57	MG	2A	3462	1/1	0.96	0.14	51,51,51,51	0
57	MG	1a	1734	1/1	0.96	0.09	46,46,46,46	0
57	MG	1D	304	1/1	0.96	0.06	43,43,43,43	0
57	MG	2A	3820	1/1	0.96	0.06	56,56,56,56	0
57	MG	2e	201	1/1	0.96	0.05	58,58,58,58	0
57	MG	2A	3821	1/1	0.96	0.06	66,66,66,66	0
57	MG	2A	3187	1/1	0.96	0.07	48,48,48,48	0
57	MG	1D	308	1/1	0.96	0.06	31,31,31,31	0
57	MG	2A	3189	1/1	0.96	0.06	47,47,47,47	0
57	MG	2l	201	1/1	0.96	0.19	56,56,56,56	0
57	MG	2A	3825	1/1	0.96	0.10	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1D	310	1/1	0.96	0.07	44,44,44,44	0
57	MG	2A	3469	1/1	0.96	0.26	44,44,44,44	0
57	MG	2A	3828	1/1	0.96	0.06	51,51,51,51	0
57	MG	1A	3136	1/1	0.96	0.07	44,44,44,44	0
57	MG	1A	3137	1/1	0.96	0.11	25,25,25,25	0
57	MG	1A	3953	1/1	0.96	0.04	29,29,29,29	0
57	MG	2A	3474	1/1	0.96	0.06	36,36,36,36	0
57	MG	2A	3475	1/1	0.96	0.21	59,59,59,59	0
57	MG	2w	101	1/1	0.96	0.20	64,64,64,64	0
57	MG	1a	1743	1/1	0.96	0.11	53,53,53,53	0
57	MG	1A	3622	1/1	0.96	0.09	29,29,29,29	0
57	MG	1a	1745	1/1	0.96	0.12	45,45,45,45	0
57	MG	1A	3624	1/1	0.96	0.05	34,34,34,34	0
57	MG	2A	3483	1/1	0.96	0.16	52,52,52,52	0
57	MG	2A	3842	1/1	0.96	0.07	37,37,37,37	0
57	MG	1A	3625	1/1	0.96	0.05	13,13,13,13	0
57	MG	2A	3845	1/1	0.96	0.06	42,42,42,42	0
57	MG	2x	103	1/1	0.96	0.09	56,56,56,56	0
57	MG	1A	3385	1/1	0.96	0.16	41,41,41,41	0
57	MG	1F	301	1/1	0.96	0.13	33,33,33,33	0
57	MG	2A	3203	1/1	0.96	0.10	56,56,56,56	0
57	MG	1a	1751	1/1	0.96	0.05	45,45,45,45	0
57	MG	2A	3492	1/1	0.96	0.09	44,44,44,44	0
57	MG	1A	3491	1/1	0.96	0.07	47,47,47,47	0
57	MG	1A	3780	1/1	0.96	0.04	42,42,42,42	0
57	MG	2A	3207	1/1	0.96	0.17	49,49,49,49	0
59	ZN	24	501	1/1	0.96	0.12	108,108,108,108	0
57	MG	2A	3549	1/1	0.97	0.12	37,37,37,37	0
57	MG	2A	3248	1/1	0.97	0.08	51,51,51,51	0
57	MG	2A	3250	1/1	0.97	0.07	43,43,43,43	0
57	MG	2A	3251	1/1	0.97	0.05	52,52,52,52	0
57	MG	1A	3083	1/1	0.97	0.05	30,30,30,30	0
57	MG	1Y	203	1/1	0.97	0.16	37,37,37,37	0
57	MG	2A	3254	1/1	0.97	0.11	55,55,55,55	0
57	MG	1A	3085	1/1	0.97	0.09	37,37,37,37	0
57	MG	1A	3839	1/1	0.97	0.14	46,46,46,46	0
57	MG	1A	3261	1/1	0.97	0.21	46,46,46,46	0
57	MG	1A	3120	1/1	0.97	0.08	27,27,27,27	0
57	MG	1A	3263	1/1	0.97	0.12	44,44,44,44	0
57	MG	1A	3048	1/1	0.97	0.08	27,27,27,27	0
57	MG	1m	3001	1/1	0.97	0.09	49,49,49,49	0
57	MG	1m	3002	1/1	0.97	0.06	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3349	1/1	0.97	0.13	57,57,57,57	0
57	MG	1A	3123	1/1	0.97	0.09	37,37,37,37	0
57	MG	2A	3268	1/1	0.97	0.19	50,50,50,50	0
57	MG	2E	302	1/1	0.97	0.06	36,36,36,36	0
57	MG	1A	3267	1/1	0.97	0.08	49,49,49,49	0
57	MG	10	109	1/1	0.97	0.07	38,38,38,38	0
57	MG	1A	3268	1/1	0.97	0.06	44,44,44,44	0
57	MG	2F	301	1/1	0.97	0.07	41,41,41,41	0
57	MG	1A	3124	1/1	0.97	0.15	50,50,50,50	0
57	MG	11	103	1/1	0.97	0.09	44,44,44,44	0
57	MG	2F	304	1/1	0.97	0.14	48,48,48,48	0
57	MG	2F	305	1/1	0.97	0.10	41,41,41,41	0
57	MG	1A	3850	1/1	0.97	0.07	41,41,41,41	0
57	MG	1A	3545	1/1	0.97	0.10	51,51,51,51	0
57	MG	2A	3576	1/1	0.97	0.07	37,37,37,37	0
57	MG	1A	3693	1/1	0.97	0.04	26,26,26,26	0
57	MG	1A	4035	1/1	0.97	0.05	36,36,36,36	0
57	MG	1A	3125	1/1	0.97	0.10	31,31,31,31	0
57	MG	2Q	201	1/1	0.97	0.05	58,58,58,58	0
57	MG	1A	4037	1/1	0.97	0.05	40,40,40,40	0
57	MG	13	103	1/1	0.97	0.04	33,33,33,33	0
57	MG	1A	4038	1/1	0.97	0.07	34,34,34,34	0
57	MG	2A	3583	1/1	0.97	0.07	50,50,50,50	0
57	MG	1A	3695	1/1	0.97	0.06	30,30,30,30	0
57	MG	1A	3442	1/1	0.97	0.08	32,32,32,32	0
57	MG	2A	3587	1/1	0.97	0.05	63,63,63,63	0
57	MG	15	101	1/1	0.97	0.14	18,18,18,18	0
57	MG	1A	3355	1/1	0.97	0.07	28,28,28,28	0
57	MG	1A	3444	1/1	0.97	0.21	35,35,35,35	0
57	MG	2A	3592	1/1	0.97	0.06	42,42,42,42	0
57	MG	15	104	1/1	0.97	0.12	25,25,25,25	0
57	MG	2A	3594	1/1	0.97	0.08	53,53,53,53	0
57	MG	15	105	1/1	0.97	0.13	24,24,24,24	0
57	MG	2A	3596	1/1	0.97	0.06	47,47,47,47	0
57	MG	1A	3197	1/1	0.97	0.10	27,27,27,27	0
57	MG	1A	3066	1/1	0.97	0.20	54,54,54,54	0
57	MG	17	101	1/1	0.97	0.05	35,35,35,35	0
57	MG	23	102	1/1	0.97	0.07	52,52,52,52	0
57	MG	2A	3601	1/1	0.97	0.10	41,41,41,41	0
57	MG	1A	3552	1/1	0.97	0.09	47,47,47,47	0
57	MG	1A	3447	1/1	0.97	0.06	34,34,34,34	0
57	MG	1A	3703	1/1	0.97	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	1A	3089	1/1	0.97	0.09	53,53,53,53	0
57	MG	1A	3865	1/1	0.97	0.06	37,37,37,37	0
57	MG	1A	3204	1/1	0.97	0.14	31,31,31,31	0
57	MG	27	101	1/1	0.97	0.10	49,49,49,49	0
57	MG	1A	4053	1/1	0.97	0.06	66,66,66,66	0
57	MG	1A	3090	1/1	0.97	0.09	26,26,26,26	0
57	MG	1A	3067	1/1	0.97	0.04	29,29,29,29	0
57	MG	1A	4057	1/1	0.97	0.06	61,61,61,61	0
57	MG	2A	3005	1/1	0.97	0.23	52,52,52,52	0
57	MG	1A	3566	1/1	0.97	0.12	43,43,43,43	0
57	MG	2A	3306	1/1	0.97	0.07	52,52,52,52	0
57	MG	1a	1607	1/1	0.97	0.20	45,45,45,45	0
57	MG	1A	4060	1/1	0.97	0.08	46,46,46,46	0
57	MG	1A	3210	1/1	0.97	0.04	38,38,38,38	0
57	MG	2A	3619	1/1	0.97	0.10	47,47,47,47	0
57	MG	1A	4063	1/1	0.97	0.04	37,37,37,37	0
57	MG	2A	3013	1/1	0.97	0.08	42,42,42,42	0
57	MG	2A	3015	1/1	0.97	0.11	46,46,46,46	0
57	MG	2A	3016	1/1	0.97	0.11	56,56,56,56	0
57	MG	1A	3569	1/1	0.97	0.05	23,23,23,23	0
57	MG	2A	3315	1/1	0.97	0.06	58,58,58,58	0
57	MG	1A	3363	1/1	0.97	0.20	32,32,32,32	0
57	MG	1a	1614	1/1	0.97	0.11	53,53,53,53	0
57	MG	1A	3572	1/1	0.97	0.07	49,49,49,49	0
57	MG	2A	3024	1/1	0.97	0.27	37,37,37,37	0
57	MG	1A	3139	1/1	0.97	0.06	40,40,40,40	0
57	MG	2A	3026	1/1	0.97	0.06	43,43,43,43	0
57	MG	2A	3027	1/1	0.97	0.19	54,54,54,54	0
57	MG	1A	4068	1/1	0.97	0.12	35,35,35,35	0
57	MG	1A	3574	1/1	0.97	0.24	43,43,43,43	0
57	MG	1A	3575	1/1	0.97	0.26	32,32,32,32	0
57	MG	1A	3577	1/1	0.97	0.10	35,35,35,35	0
57	MG	1A	3578	1/1	0.97	0.06	33,33,33,33	0
57	MG	1A	3029	1/1	0.97	0.05	29,29,29,29	0
57	MG	1A	3290	1/1	0.97	0.14	27,27,27,27	0
57	MG	2a	1629	1/1	0.97	0.19	51,51,51,51	0
57	MG	1A	4076	1/1	0.97	0.06	32,32,32,32	0
57	MG	1A	3723	1/1	0.97	0.06	13,13,13,13	0
57	MG	1A	3882	1/1	0.97	0.13	35,35,35,35	0
57	MG	1A	3581	1/1	0.97	0.20	32,32,32,32	0
57	MG	1A	3022	1/1	0.97	0.06	44,44,44,44	0
57	MG	2A	3042	1/1	0.97	0.12	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3143	1/1	0.97	0.14	34,34,34,34	0
57	MG	2A	3044	1/1	0.97	0.08	57,57,57,57	0
57	MG	2A	3045	1/1	0.97	0.18	56,56,56,56	0
57	MG	1A	3584	1/1	0.97	0.11	38,38,38,38	0
57	MG	1A	3585	1/1	0.97	0.06	32,32,32,32	0
57	MG	1A	3586	1/1	0.97	0.07	42,42,42,42	0
57	MG	1A	3587	1/1	0.97	0.11	44,44,44,44	0
57	MG	1A	3588	1/1	0.97	0.09	42,42,42,42	0
57	MG	1A	3589	1/1	0.97	0.07	41,41,41,41	0
57	MG	1A	4088	1/1	0.97	0.09	44,44,44,44	0
57	MG	2A	3346	1/1	0.97	0.12	47,47,47,47	0
57	MG	1A	3371	1/1	0.97	0.06	40,40,40,40	0
57	MG	1a	1644	1/1	0.97	0.10	55,55,55,55	0
57	MG	1A	3218	1/1	0.97	0.07	37,37,37,37	0
57	MG	2A	3665	1/1	0.97	0.05	29,29,29,29	0
57	MG	1a	1646	1/1	0.97	0.10	45,45,45,45	0
57	MG	1a	1647	1/1	0.97	0.14	48,48,48,48	0
57	MG	1A	4091	1/1	0.97	0.04	31,31,31,31	0
57	MG	1a	1649	1/1	0.97	0.07	58,58,58,58	0
57	MG	1A	3219	1/1	0.97	0.10	39,39,39,39	0
57	MG	2A	3672	1/1	0.97	0.09	53,53,53,53	0
57	MG	1A	3220	1/1	0.97	0.11	31,31,31,31	0
57	MG	1A	3004	1/1	0.97	0.04	20,20,20,20	0
57	MG	1a	1656	1/1	0.97	0.15	46,46,46,46	0
57	MG	1A	3740	1/1	0.97	0.07	24,24,24,24	0
57	MG	1a	1658	1/1	0.97	0.23	54,54,54,54	0
57	MG	2A	3070	1/1	0.97	0.10	51,51,51,51	0
57	MG	2a	1665	1/1	0.97	0.10	61,61,61,61	0
57	MG	2A	3361	1/1	0.97	0.09	47,47,47,47	0
57	MG	2A	3362	1/1	0.97	0.21	51,51,51,51	0
57	MG	1A	3597	1/1	0.97	0.12	32,32,32,32	0
57	MG	1a	1660	1/1	0.97	0.07	48,48,48,48	0
57	MG	1A	3464	1/1	0.97	0.13	33,33,33,33	0
57	MG	1A	3743	1/1	0.97	0.05	32,32,32,32	0
57	MG	1A	3146	1/1	0.97	0.13	24,24,24,24	0
57	MG	1A	3467	1/1	0.97	0.07	48,48,48,48	0
57	MG	1A	3908	1/1	0.97	0.05	33,33,33,33	0
57	MG	1a	1666	1/1	0.97	0.07	50,50,50,50	0
57	MG	1A	3096	1/1	0.97	0.05	39,39,39,39	0
57	MG	1A	3225	1/1	0.97	0.12	22,22,22,22	0
57	MG	1A	3749	1/1	0.97	0.06	53,53,53,53	0
57	MG	2a	1680	1/1	0.97	0.07	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	1A	3228	1/1	0.97	0.07	42,42,42,42	0
57	MG	1A	4114	1/1	0.97	0.05	13,13,13,13	0
57	MG	1A	3751	1/1	0.97	0.07	24,24,24,24	0
57	MG	1A	3304	1/1	0.97	0.19	44,44,44,44	0
57	MG	1A	3071	1/1	0.97	0.05	13,13,13,13	0
57	MG	1A	3921	1/1	0.97	0.17	31,31,31,31	0
57	MG	1A	4119	1/1	0.97	0.07	44,44,44,44	0
57	MG	2A	3700	1/1	0.97	0.13	56,56,56,56	0
57	MG	2A	3382	1/1	0.97	0.16	43,43,43,43	0
57	MG	1A	4120	1/1	0.97	0.08	37,37,37,37	0
57	MG	1A	3473	1/1	0.97	0.06	43,43,43,43	0
57	MG	1A	3073	1/1	0.97	0.04	24,24,24,24	0
57	MG	1A	3387	1/1	0.97	0.14	29,29,29,29	0
57	MG	1a	1681	1/1	0.97	0.14	45,45,45,45	0
57	MG	2A	3707	1/1	0.97	0.08	68,68,68,68	0
57	MG	1B	202	1/1	0.97	0.10	42,42,42,42	0
57	MG	1A	3757	1/1	0.97	0.06	36,36,36,36	0
57	MG	1A	3476	1/1	0.97	0.06	45,45,45,45	0
57	MG	2A	3104	1/1	0.97	0.19	45,45,45,45	0
57	MG	2A	3713	1/1	0.97	0.08	27,27,27,27	0
57	MG	1B	205	1/1	0.97	0.05	47,47,47,47	0
57	MG	2A	3715	1/1	0.97	0.06	43,43,43,43	0
57	MG	1A	3477	1/1	0.97	0.04	30,30,30,30	0
57	MG	1A	3760	1/1	0.97	0.04	35,35,35,35	0
57	MG	1B	208	1/1	0.97	0.09	45,45,45,45	0
57	MG	1A	3388	1/1	0.97	0.07	23,23,23,23	0
57	MG	2a	1709	1/1	0.97	0.17	53,53,53,53	0
57	MG	2A	3720	1/1	0.97	0.04	45,45,45,45	0
57	MG	1A	3479	1/1	0.97	0.12	36,36,36,36	0
57	MG	2A	3399	1/1	0.97	0.08	40,40,40,40	0
57	MG	1A	3480	1/1	0.97	0.12	44,44,44,44	0
57	MG	1A	3231	1/1	0.97	0.10	55,55,55,55	0
57	MG	1B	214	1/1	0.97	0.09	36,36,36,36	0
57	MG	2A	3727	1/1	0.97	0.08	49,49,49,49	0
57	MG	1A	3938	1/1	0.97	0.08	54,54,54,54	0
57	MG	2A	3729	1/1	0.97	0.05	39,39,39,39	0
57	MG	1A	3039	1/1	0.97	0.21	33,33,33,33	0
57	MG	1A	3616	1/1	0.97	0.08	20,20,20,20	0
57	MG	1A	3483	1/1	0.97	0.13	50,50,50,50	0
57	MG	2A	3121	1/1	0.97	0.08	41,41,41,41	0
57	MG	1A	3484	1/1	0.97	0.06	40,40,40,40	0
57	MG	2A	3123	1/1	0.97	0.06	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	3772	1/1	0.97	0.07	26,26,26,26	0
57	MG	1B	221	1/1	0.97	0.09	49,49,49,49	0
57	MG	2A	3126	1/1	0.97	0.05	53,53,53,53	0
57	MG	1A	3391	1/1	0.97	0.14	32,32,32,32	0
57	MG	1A	3620	1/1	0.97	0.09	34,34,34,34	0
57	MG	2A	3129	1/1	0.97	0.06	51,51,51,51	0
57	MG	2A	3130	1/1	0.97	0.06	41,41,41,41	0
57	MG	1A	3019	1/1	0.97	0.17	35,35,35,35	0
57	MG	1A	3488	1/1	0.97	0.06	34,34,34,34	0
57	MG	1A	3954	1/1	0.97	0.06	55,55,55,55	0
57	MG	1A	3778	1/1	0.97	0.05	23,23,23,23	0
57	MG	2A	3135	1/1	0.97	0.14	43,43,43,43	0
57	MG	1B	229	1/1	0.97	0.05	39,39,39,39	0
57	MG	2a	1739	1/1	0.97	0.10	62,62,62,62	0
57	MG	1A	3489	1/1	0.97	0.09	32,32,32,32	0
57	MG	1A	3236	1/1	0.97	0.07	35,35,35,35	0
57	MG	2a	1742	1/1	0.97	0.07	68,68,68,68	0
57	MG	1A	3394	1/1	0.97	0.19	48,48,48,48	0
57	MG	1A	3312	1/1	0.97	0.10	35,35,35,35	0
57	MG	1B	234	1/1	0.97	0.09	31,31,31,31	0
57	MG	2A	3144	1/1	0.97	0.13	40,40,40,40	0
57	MG	1A	3961	1/1	0.97	0.05	39,39,39,39	0
57	MG	1A	3105	1/1	0.97	0.18	30,30,30,30	0
57	MG	1a	1717	1/1	0.97	0.13	49,49,49,49	0
57	MG	1D	307	1/1	0.97	0.07	52,52,52,52	0
57	MG	1A	3106	1/1	0.97	0.10	25,25,25,25	0
57	MG	2A	3763	1/1	0.97	0.08	54,54,54,54	0
57	MG	2a	1754	1/1	0.97	0.06	64,64,64,64	0
57	MG	2A	3151	1/1	0.97	0.06	41,41,41,41	0
57	MG	1A	3633	1/1	0.97	0.08	51,51,51,51	0
57	MG	1A	3495	1/1	0.97	0.07	26,26,26,26	0
57	MG	2a	1759	1/1	0.97	0.06	60,60,60,60	0
57	MG	2A	3155	1/1	0.97	0.07	51,51,51,51	0
57	MG	1A	3398	1/1	0.97	0.11	27,27,27,27	0
57	MG	1E	302	1/1	0.97	0.12	38,38,38,38	0
57	MG	1a	1724	1/1	0.97	0.11	37,37,37,37	0
57	MG	1E	303	1/1	0.97	0.15	33,33,33,33	0
57	MG	1A	3166	1/1	0.97	0.09	41,41,41,41	0
57	MG	2a	1766	1/1	0.97	0.08	43,43,43,43	0
57	MG	2A	3163	1/1	0.97	0.10	42,42,42,42	0
57	MG	1A	3401	1/1	0.97	0.12	45,45,45,45	0
57	MG	1A	3241	1/1	0.97	0.05	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	1732	1/1	0.97	0.15	58,58,58,58	0
57	MG	1A	3639	1/1	0.97	0.04	20,20,20,20	0
57	MG	2a	1773	1/1	0.97	0.10	55,55,55,55	0
57	MG	2A	3168	1/1	0.97	0.08	38,38,38,38	0
57	MG	1A	3640	1/1	0.97	0.04	25,25,25,25	0
57	MG	2A	3452	1/1	0.97	0.20	47,47,47,47	0
57	MG	2A	3171	1/1	0.97	0.09	46,46,46,46	0
57	MG	2A	3789	1/1	0.97	0.06	53,53,53,53	0
57	MG	1E	313	1/1	0.97	0.05	30,30,30,30	0
57	MG	2a	1781	1/1	0.97	0.16	56,56,56,56	0
57	MG	2A	3173	1/1	0.97	0.08	55,55,55,55	0
57	MG	1A	3107	1/1	0.97	0.05	32,32,32,32	0
57	MG	1F	303	1/1	0.97	0.05	37,37,37,37	0
57	MG	1A	3318	1/1	0.97	0.06	46,46,46,46	0
57	MG	2a	1786	1/1	0.97	0.11	47,47,47,47	0
57	MG	1a	1739	1/1	0.97	0.05	39,39,39,39	0
57	MG	1a	1740	1/1	0.97	0.11	48,48,48,48	0
57	MG	1F	305	1/1	0.97	0.15	25,25,25,25	0
57	MG	2A	3181	1/1	0.97	0.11	63,63,63,63	0
57	MG	1A	3800	1/1	0.97	0.07	41,41,41,41	0
57	MG	2A	3801	1/1	0.97	0.08	56,56,56,56	0
57	MG	1A	3076	1/1	0.97	0.08	34,34,34,34	0
57	MG	1A	3979	1/1	0.97	0.05	47,47,47,47	0
57	MG	2A	3185	1/1	0.97	0.12	35,35,35,35	0
57	MG	1A	3980	1/1	0.97	0.08	27,27,27,27	0
57	MG	1A	3109	1/1	0.97	0.04	30,30,30,30	0
57	MG	1A	3057	1/1	0.97	0.14	40,40,40,40	0
57	MG	2A	3471	1/1	0.97	0.07	49,49,49,49	0
57	MG	1A	3509	1/1	0.97	0.05	43,43,43,43	0
57	MG	1A	3325	1/1	0.97	0.05	28,28,28,28	0
57	MG	1A	3041	1/1	0.97	0.07	35,35,35,35	0
57	MG	1N	204	1/1	0.97	0.12	39,39,39,39	0
57	MG	1N	205	1/1	0.97	0.07	43,43,43,43	0
57	MG	1A	3986	1/1	0.97	0.07	45,45,45,45	0
57	MG	2A	3478	1/1	0.97	0.11	61,61,61,61	0
57	MG	1a	1756	1/1	0.97	0.07	45,45,45,45	0
57	MG	2A	3196	1/1	0.97	0.08	53,53,53,53	0
57	MG	1a	1757	1/1	0.97	0.05	44,44,44,44	0
57	MG	2A	3198	1/1	0.97	0.17	60,60,60,60	0
57	MG	1A	3987	1/1	0.97	0.09	50,50,50,50	0
57	MG	2A	3486	1/1	0.97	0.07	53,53,53,53	0
57	MG	2A	3487	1/1	0.97	0.15	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	3488	1/1	0.97	0.08	37,37,37,37	0
57	MG	1A	3178	1/1	0.97	0.18	32,32,32,32	0
57	MG	1a	1762	1/1	0.97	0.04	46,46,46,46	0
57	MG	1A	3989	1/1	0.97	0.05	61,61,61,61	0
57	MG	1P	201	1/1	0.97	0.10	26,26,26,26	0
57	MG	1A	3249	1/1	0.97	0.04	47,47,47,47	0
57	MG	1Q	201	1/1	0.97	0.15	28,28,28,28	0
57	MG	2A	3832	1/1	0.97	0.08	46,46,46,46	0
57	MG	1A	3811	1/1	0.97	0.04	25,25,25,25	0
57	MG	2A	3497	1/1	0.97	0.07	62,62,62,62	0
57	MG	1A	3653	1/1	0.97	0.06	33,33,33,33	0
57	MG	2A	3500	1/1	0.97	0.08	53,53,53,53	0
57	MG	2A	3837	1/1	0.97	0.11	45,45,45,45	0
57	MG	1A	3329	1/1	0.97	0.07	43,43,43,43	0
57	MG	1A	3517	1/1	0.97	0.14	31,31,31,31	0
57	MG	1A	3995	1/1	0.97	0.04	35,35,35,35	0
57	MG	1R	202	1/1	0.97	0.11	31,31,31,31	0
57	MG	1A	3658	1/1	0.97	0.10	50,50,50,50	0
57	MG	1A	3020	1/1	0.97	0.05	37,37,37,37	0
57	MG	2A	3846	1/1	0.97	0.06	40,40,40,40	0
57	MG	1A	3331	1/1	0.97	0.10	46,46,46,46	0
57	MG	1A	3663	1/1	0.97	0.08	39,39,39,39	0
57	MG	2A	3851	1/1	0.97	0.06	59,59,59,59	0
57	MG	1A	3113	1/1	0.97	0.17	25,25,25,25	0
57	MG	1A	3419	1/1	0.97	0.05	40,40,40,40	0
57	MG	1A	3115	1/1	0.97	0.07	46,46,46,46	0
57	MG	1T	203	1/1	0.97	0.06	39,39,39,39	0
57	MG	1A	3826	1/1	0.97	0.05	39,39,39,39	0
57	MG	1A	3254	1/1	0.97	0.06	27,27,27,27	0
57	MG	2A	3858	1/1	0.97	0.06	33,33,33,33	0
57	MG	2A	3860	1/1	0.97	0.08	60,60,60,60	0
57	MG	1A	3182	1/1	0.97	0.04	38,38,38,38	0
57	MG	1U	204	1/1	0.97	0.14	27,27,27,27	0
57	MG	1U	205	1/1	0.97	0.07	30,30,30,30	0
57	MG	1A	3829	1/1	0.97	0.07	21,21,21,21	0
57	MG	1a	1789	1/1	0.97	0.09	48,48,48,48	0
57	MG	2q	203	1/1	0.97	0.07	70,70,70,70	0
57	MG	1a	1790	1/1	0.97	0.06	44,44,44,44	0
57	MG	1V	201	1/1	0.97	0.07	19,19,19,19	0
57	MG	1A	3423	1/1	0.97	0.08	42,42,42,42	0
57	MG	1A	3183	1/1	0.97	0.17	40,40,40,40	0
57	MG	1A	3426	1/1	0.97	0.13	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	2v	104	1/1	0.97	0.12	47,47,47,47	0
57	MG	2A	3232	1/1	0.97	0.15	53,53,53,53	0
57	MG	1a	1795	1/1	0.97	0.08	47,47,47,47	0
57	MG	1A	3062	1/1	0.97	0.05	44,44,44,44	0
57	MG	1a	1799	1/1	0.97	0.05	57,57,57,57	0
57	MG	1A	3531	1/1	0.97	0.17	31,31,31,31	0
57	MG	2A	3237	1/1	0.97	0.21	39,39,39,39	0
57	MG	2w	107	1/1	0.97	0.13	55,55,55,55	0
57	MG	2w	108	1/1	0.97	0.12	47,47,47,47	0
57	MG	1W	203	1/1	0.97	0.06	39,39,39,39	0
57	MG	2A	3537	1/1	0.97	0.05	30,30,30,30	0
57	MG	1W	205	1/1	0.97	0.07	36,36,36,36	0
57	MG	1a	1808	1/1	0.97	0.05	64,64,64,64	0
57	MG	2A	3540	1/1	0.97	0.09	43,43,43,43	0
57	MG	1X	101	1/1	0.97	0.11	51,51,51,51	0
57	MG	1X	102	1/1	0.97	0.10	34,34,34,34	0
57	MG	1X	103	1/1	0.97	0.06	36,36,36,36	0
57	MG	1X	104	1/1	0.97	0.10	44,44,44,44	0
57	MG	2A	3545	1/1	0.97	0.05	39,39,39,39	0
57	MG	1X	105	1/1	0.97	0.18	35,35,35,35	0
57	MG	1A	4015	1/1	0.97	0.07	52,52,52,52	0
58	K	1A	3565	1/1	0.97	0.07	31,31,31,31	0
58	K	2A	3479	1/1	0.97	0.08	52,52,52,52	0
59	ZN	2Y	501	1/1	0.97	0.05	99,99,99,99	0
57	MG	1A	3532	1/1	0.97	0.12	36,36,36,36	0
59	ZN	2n	501	1/1	0.97	0.05	73,73,73,73	0
57	MG	1A	3659	1/1	0.98	0.11	28,28,28,28	0
57	MG	1A	3791	1/1	0.98	0.08	19,19,19,19	0
57	MG	25	104	1/1	0.98	0.04	35,35,35,35	0
57	MG	1A	4096	1/1	0.98	0.04	48,48,48,48	0
57	MG	1A	3201	1/1	0.98	0.08	20,20,20,20	0
57	MG	1A	3080	1/1	0.98	0.12	32,32,32,32	0
57	MG	1a	1800	1/1	0.98	0.05	59,59,59,59	0
57	MG	1a	1801	1/1	0.98	0.04	48,48,48,48	0
57	MG	2A	3421	1/1	0.98	0.13	47,47,47,47	0
57	MG	15	106	1/1	0.98	0.10	38,38,38,38	0
57	MG	1A	3270	1/1	0.98	0.13	28,28,28,28	0
57	MG	1A	3795	1/1	0.98	0.04	46,46,46,46	0
57	MG	2A	3425	1/1	0.98	0.11	38,38,38,38	0
57	MG	1a	1805	1/1	0.98	0.04	40,40,40,40	0
57	MG	1a	1807	1/1	0.98	0.04	53,53,53,53	0
57	MG	1A	3271	1/1	0.98	0.04	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	17	102	1/1	0.98	0.08	28,28,28,28	0
57	MG	1A	3030	1/1	0.98	0.12	26,26,26,26	0
57	MG	1a	1811	1/1	0.98	0.04	57,57,57,57	0
57	MG	17	104	1/1	0.98	0.07	32,32,32,32	0
57	MG	1a	1813	1/1	0.98	0.04	52,52,52,52	0
57	MG	17	105	1/1	0.98	0.05	46,46,46,46	0
57	MG	1A	3045	1/1	0.98	0.05	29,29,29,29	0
57	MG	18	102	1/1	0.98	0.07	41,41,41,41	0
57	MG	1A	4107	1/1	0.98	0.05	38,38,38,38	0
57	MG	1A	4108	1/1	0.98	0.04	33,33,33,33	0
57	MG	1A	4109	1/1	0.98	0.07	49,49,49,49	0
57	MG	1A	3945	1/1	0.98	0.05	59,59,59,59	0
57	MG	19	101	1/1	0.98	0.11	53,53,53,53	0
57	MG	1A	3145	1/1	0.98	0.13	34,34,34,34	0
57	MG	1e	202	1/1	0.98	0.13	53,53,53,53	0
57	MG	1A	3948	1/1	0.98	0.04	64,64,64,64	0
57	MG	1f	202	1/1	0.98	0.15	49,49,49,49	0
57	MG	1A	3949	1/1	0.98	0.07	30,30,30,30	0
57	MG	1A	3275	1/1	0.98	0.15	20,20,20,20	0
57	MG	1A	3277	1/1	0.98	0.08	42,42,42,42	0
57	MG	1a	1606	1/1	0.98	0.04	43,43,43,43	0
57	MG	1A	3278	1/1	0.98	0.11	32,32,32,32	0
57	MG	2A	3711	1/1	0.98	0.12	44,44,44,44	0
57	MG	1A	3279	1/1	0.98	0.08	30,30,30,30	0
57	MG	1a	1609	1/1	0.98	0.06	21,21,21,21	0
57	MG	1A	3956	1/1	0.98	0.04	39,39,39,39	0
57	MG	1A	3207	1/1	0.98	0.08	30,30,30,30	0
57	MG	1A	3046	1/1	0.98	0.03	22,22,22,22	0
57	MG	1A	3807	1/1	0.98	0.04	37,37,37,37	0
57	MG	2a	1637	1/1	0.98	0.15	39,39,39,39	0
57	MG	1A	3147	1/1	0.98	0.06	34,34,34,34	0
57	MG	1a	1615	1/1	0.98	0.12	35,35,35,35	0
57	MG	1a	1616	1/1	0.98	0.05	37,37,37,37	0
57	MG	2A	3460	1/1	0.98	0.09	41,41,41,41	0
57	MG	1A	3284	1/1	0.98	0.05	48,48,48,48	0
57	MG	1A	3962	1/1	0.98	0.04	41,41,41,41	0
57	MG	1A	3677	1/1	0.98	0.07	23,23,23,23	0
57	MG	1A	3964	1/1	0.98	0.07	59,59,59,59	0
57	MG	2A	3726	1/1	0.98	0.07	31,31,31,31	0
57	MG	1A	3555	1/1	0.98	0.04	24,24,24,24	0
57	MG	1A	3812	1/1	0.98	0.05	19,19,19,19	0
57	MG	1A	3556	1/1	0.98	0.05	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	3814	1/1	0.98	0.06	25,25,25,25	0
57	MG	1A	3084	1/1	0.98	0.04	30,30,30,30	0
57	MG	1B	211	1/1	0.98	0.06	45,45,45,45	0
57	MG	1A	3681	1/1	0.98	0.06	28,28,28,28	0
57	MG	2A	3734	1/1	0.98	0.06	54,54,54,54	0
57	MG	1A	3366	1/1	0.98	0.09	26,26,26,26	0
57	MG	1a	1631	1/1	0.98	0.15	40,40,40,40	0
57	MG	1A	3818	1/1	0.98	0.04	32,32,32,32	0
57	MG	1A	3367	1/1	0.98	0.08	33,33,33,33	0
57	MG	1A	3286	1/1	0.98	0.05	31,31,31,31	0
57	MG	1A	3975	1/1	0.98	0.04	49,49,49,49	0
57	MG	1A	3213	1/1	0.98	0.05	38,38,38,38	0
57	MG	2A	3480	1/1	0.98	0.10	24,24,24,24	0
57	MG	1A	3214	1/1	0.98	0.08	34,34,34,34	0
57	MG	1A	3215	1/1	0.98	0.04	31,31,31,31	0
57	MG	1A	3064	1/1	0.98	0.06	35,35,35,35	0
57	MG	2A	3746	1/1	0.98	0.09	38,38,38,38	0
57	MG	1A	3825	1/1	0.98	0.14	26,26,26,26	0
57	MG	1A	3373	1/1	0.98	0.11	43,43,43,43	0
57	MG	1A	3086	1/1	0.98	0.08	33,33,33,33	0
57	MG	2A	3750	1/1	0.98	0.07	54,54,54,54	0
57	MG	1A	3465	1/1	0.98	0.08	33,33,33,33	0
57	MG	1A	3375	1/1	0.98	0.07	33,33,33,33	0
57	MG	1A	3576	1/1	0.98	0.17	30,30,30,30	0
57	MG	2A	3249	1/1	0.98	0.07	49,49,49,49	0
57	MG	1A	3065	1/1	0.98	0.12	33,33,33,33	0
57	MG	2a	1677	1/1	0.98	0.11	51,51,51,51	0
57	MG	1A	3155	1/1	0.98	0.05	48,48,48,48	0
57	MG	1A	3156	1/1	0.98	0.10	28,28,28,28	0
57	MG	2A	3011	1/1	0.98	0.08	38,38,38,38	0
57	MG	1A	3157	1/1	0.98	0.07	22,22,22,22	0
57	MG	2A	3496	1/1	0.98	0.05	59,59,59,59	0
57	MG	1a	1651	1/1	0.98	0.07	42,42,42,42	0
57	MG	2A	3498	1/1	0.98	0.05	51,51,51,51	0
57	MG	2A	3014	1/1	0.98	0.05	41,41,41,41	0
57	MG	1A	3380	1/1	0.98	0.05	31,31,31,31	0
57	MG	1A	3296	1/1	0.98	0.12	29,29,29,29	0
57	MG	1A	3159	1/1	0.98	0.26	31,31,31,31	0
57	MG	1D	302	1/1	0.98	0.11	37,37,37,37	0
57	MG	2A	3019	1/1	0.98	0.04	46,46,46,46	0
57	MG	2A	3263	1/1	0.98	0.07	49,49,49,49	0
57	MG	2A	3020	1/1	0.98	0.03	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	3771	1/1	0.98	0.04	33,33,33,33	0
57	MG	1D	303	1/1	0.98	0.08	18,18,18,18	0
57	MG	1A	3047	1/1	0.98	0.04	24,24,24,24	0
57	MG	2A	3774	1/1	0.98	0.09	48,48,48,48	0
57	MG	2a	1697	1/1	0.98	0.10	47,47,47,47	0
57	MG	2A	3267	1/1	0.98	0.05	48,48,48,48	0
57	MG	1D	306	1/1	0.98	0.12	39,39,39,39	0
57	MG	1A	3116	1/1	0.98	0.05	34,34,34,34	0
57	MG	2a	1701	1/1	0.98	0.15	31,31,31,31	0
57	MG	2A	3513	1/1	0.98	0.07	43,43,43,43	0
57	MG	1A	3300	1/1	0.98	0.22	38,38,38,38	0
57	MG	1A	3707	1/1	0.98	0.05	19,19,19,19	0
57	MG	1A	3386	1/1	0.98	0.14	24,24,24,24	0
57	MG	2A	3783	1/1	0.98	0.07	41,41,41,41	0
57	MG	2A	3029	1/1	0.98	0.11	40,40,40,40	0
57	MG	1A	3227	1/1	0.98	0.11	26,26,26,26	0
57	MG	1E	301	1/1	0.98	0.16	29,29,29,29	0
57	MG	1A	3033	1/1	0.98	0.13	26,26,26,26	0
57	MG	1A	3163	1/1	0.98	0.16	28,28,28,28	0
57	MG	2A	3522	1/1	0.98	0.06	35,35,35,35	0
57	MG	2A	3034	1/1	0.98	0.06	40,40,40,40	0
57	MG	1E	304	1/1	0.98	0.13	26,26,26,26	0
57	MG	1A	3165	1/1	0.98	0.11	29,29,29,29	0
57	MG	1A	3011	1/1	0.98	0.07	33,33,33,33	0
57	MG	2A	3797	1/1	0.98	0.04	58,58,58,58	0
57	MG	1A	3307	1/1	0.98	0.05	26,26,26,26	0
57	MG	1E	309	1/1	0.98	0.07	24,24,24,24	0
57	MG	2A	3529	1/1	0.98	0.03	27,27,27,27	0
57	MG	1A	3167	1/1	0.98	0.03	14,14,14,14	0
57	MG	1E	311	1/1	0.98	0.09	34,34,34,34	0
57	MG	2A	3803	1/1	0.98	0.08	60,60,60,60	0
57	MG	2A	3532	1/1	0.98	0.10	39,39,39,39	0
57	MG	1A	4006	1/1	0.98	0.04	22,22,22,22	0
57	MG	1A	3595	1/1	0.98	0.08	26,26,26,26	0
57	MG	1A	3718	1/1	0.98	0.06	42,42,42,42	0
57	MG	1A	3596	1/1	0.98	0.08	28,28,28,28	0
57	MG	1A	3485	1/1	0.98	0.04	41,41,41,41	0
57	MG	1A	3051	1/1	0.98	0.04	19,19,19,19	0
57	MG	2A	3292	1/1	0.98	0.05	41,41,41,41	0
57	MG	2A	3812	1/1	0.98	0.09	41,41,41,41	0
57	MG	1a	1682	1/1	0.98	0.14	43,43,43,43	0
57	MG	1A	3235	1/1	0.98	0.05	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	1F	308	1/1	0.98	0.04	41,41,41,41	0
57	MG	2a	1736	1/1	0.98	0.05	64,64,64,64	0
57	MG	1A	3858	1/1	0.98	0.08	32,32,32,32	0
57	MG	1F	310	1/1	0.98	0.07	44,44,44,44	0
57	MG	1A	4014	1/1	0.98	0.05	29,29,29,29	0
57	MG	2A	3055	1/1	0.98	0.05	46,46,46,46	0
57	MG	1G	201	1/1	0.98	0.08	35,35,35,35	0
57	MG	1A	3052	1/1	0.98	0.06	21,21,21,21	0
57	MG	1A	3025	1/1	0.98	0.04	38,38,38,38	0
57	MG	1A	3008	1/1	0.98	0.06	25,25,25,25	0
57	MG	2A	3304	1/1	0.98	0.10	48,48,48,48	0
57	MG	1A	3399	1/1	0.98	0.07	34,34,34,34	0
57	MG	2a	1747	1/1	0.98	0.05	66,66,66,66	0
57	MG	1A	3173	1/1	0.98	0.10	35,35,35,35	0
57	MG	1a	1694	1/1	0.98	0.12	33,33,33,33	0
57	MG	1A	3176	1/1	0.98	0.02	13,13,13,13	0
57	MG	1N	202	1/1	0.98	0.05	41,41,41,41	0
57	MG	1N	203	1/1	0.98	0.04	33,33,33,33	0
57	MG	1A	3018	1/1	0.98	0.07	23,23,23,23	0
57	MG	1A	3243	1/1	0.98	0.05	47,47,47,47	0
57	MG	1A	4023	1/1	0.98	0.05	19,19,19,19	0
57	MG	1A	3496	1/1	0.98	0.10	26,26,26,26	0
57	MG	2A	3562	1/1	0.98	0.06	34,34,34,34	0
57	MG	1A	3023	1/1	0.98	0.06	12,12,12,12	0
57	MG	1A	3319	1/1	0.98	0.09	27,27,27,27	0
57	MG	1A	3042	1/1	0.98	0.11	26,26,26,26	0
57	MG	2A	3076	1/1	0.98	0.10	39,39,39,39	0
57	MG	1P	202	1/1	0.98	0.04	31,31,31,31	0
57	MG	1P	203	1/1	0.98	0.20	34,34,34,34	0
57	MG	2A	3843	1/1	0.98	0.04	48,48,48,48	0
57	MG	1A	3407	1/1	0.98	0.07	40,40,40,40	0
57	MG	1A	4029	1/1	0.98	0.05	45,45,45,45	0
57	MG	1Q	202	1/1	0.98	0.05	31,31,31,31	0
57	MG	2A	3083	1/1	0.98	0.06	44,44,44,44	0
57	MG	2a	1770	1/1	0.98	0.04	72,72,72,72	0
57	MG	2A	3573	1/1	0.98	0.06	41,41,41,41	0
57	MG	2A	3850	1/1	0.98	0.04	54,54,54,54	0
57	MG	1Q	203	1/1	0.98	0.05	40,40,40,40	0
57	MG	2a	1774	1/1	0.98	0.12	62,62,62,62	0
57	MG	1A	3322	1/1	0.98	0.05	41,41,41,41	0
57	MG	1A	3127	1/1	0.98	0.07	33,33,33,33	0
57	MG	1A	3739	1/1	0.98	0.04	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	3503	1/1	0.98	0.04	43,43,43,43	0
57	MG	1A	3504	1/1	0.98	0.07	41,41,41,41	0
57	MG	1A	3128	1/1	0.98	0.05	27,27,27,27	0
57	MG	1A	3129	1/1	0.98	0.12	30,30,30,30	0
57	MG	2A	3092	1/1	0.98	0.04	31,31,31,31	0
57	MG	1A	3744	1/1	0.98	0.08	52,52,52,52	0
57	MG	1A	3130	1/1	0.98	0.10	39,39,39,39	0
57	MG	1A	3508	1/1	0.98	0.05	45,45,45,45	0
57	MG	1A	3184	1/1	0.98	0.19	28,28,28,28	0
57	MG	1A	3251	1/1	0.98	0.06	28,28,28,28	0
57	MG	1A	4043	1/1	0.98	0.06	54,54,54,54	0
57	MG	2A	3867	1/1	0.98	0.04	24,24,24,24	0
57	MG	2A	3099	1/1	0.98	0.05	39,39,39,39	0
57	MG	1A	3885	1/1	0.98	0.06	31,31,31,31	0
57	MG	1A	3416	1/1	0.98	0.09	39,39,39,39	0
57	MG	1U	201	1/1	0.98	0.09	28,28,28,28	0
57	MG	2A	3103	1/1	0.98	0.05	26,26,26,26	0
57	MG	1A	3512	1/1	0.98	0.09	28,28,28,28	0
57	MG	1a	1729	1/1	0.98	0.12	44,44,44,44	0
57	MG	2A	3875	1/1	0.98	0.09	26,26,26,26	0
57	MG	1A	3626	1/1	0.98	0.08	34,34,34,34	0
57	MG	1a	1731	1/1	0.98	0.12	63,63,63,63	0
57	MG	1A	3627	1/1	0.98	0.13	33,33,33,33	0
57	MG	1A	3131	1/1	0.98	0.05	34,34,34,34	0
57	MG	2A	3880	1/1	0.98	0.10	44,44,44,44	0
57	MG	1U	206	1/1	0.98	0.06	32,32,32,32	0
57	MG	2A	3883	1/1	0.98	0.05	38,38,38,38	0
57	MG	1A	3100	1/1	0.98	0.14	36,36,36,36	0
57	MG	2A	3885	1/1	0.98	0.05	49,49,49,49	0
57	MG	1U	209	1/1	0.98	0.12	33,33,33,33	0
57	MG	2A	3887	1/1	0.98	0.09	44,44,44,44	0
57	MG	1A	3630	1/1	0.98	0.05	24,24,24,24	0
57	MG	1V	202	1/1	0.98	0.05	32,32,32,32	0
57	MG	1V	203	1/1	0.98	0.07	26,26,26,26	0
57	MG	2A	3609	1/1	0.98	0.13	47,47,47,47	0
57	MG	1A	3515	1/1	0.98	0.13	31,31,31,31	0
57	MG	1V	205	1/1	0.98	0.06	26,26,26,26	0
57	MG	2A	3120	1/1	0.98	0.10	34,34,34,34	0
57	MG	1A	3133	1/1	0.98	0.09	25,25,25,25	0
57	MG	1A	3188	1/1	0.98	0.14	34,34,34,34	0
57	MG	1V	208	1/1	0.98	0.11	33,33,33,33	0
57	MG	2B	207	1/1	0.98	0.07	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3256	1/1	0.98	0.06	49,49,49,49	0
57	MG	1W	201	1/1	0.98	0.13	34,34,34,34	0
57	MG	1a	1747	1/1	0.98	0.04	37,37,37,37	0
57	MG	1A	3898	1/1	0.98	0.04	36,36,36,36	0
57	MG	1A	4059	1/1	0.98	0.03	24,24,24,24	0
57	MG	2A	3621	1/1	0.98	0.07	34,34,34,34	0
57	MG	1W	204	1/1	0.98	0.13	39,39,39,39	0
57	MG	1A	3134	1/1	0.98	0.15	38,38,38,38	0
57	MG	1W	206	1/1	0.98	0.07	29,29,29,29	0
57	MG	1A	3761	1/1	0.98	0.04	42,42,42,42	0
57	MG	1A	3190	1/1	0.98	0.22	34,34,34,34	0
57	MG	1A	3191	1/1	0.98	0.14	24,24,24,24	0
57	MG	1A	3425	1/1	0.98	0.05	48,48,48,48	0
57	MG	1A	3192	1/1	0.98	0.17	35,35,35,35	0
57	MG	2D	302	1/1	0.98	0.07	35,35,35,35	0
57	MG	2D	303	1/1	0.98	0.09	46,46,46,46	0
57	MG	2a	1836	1/1	0.98	0.06	54,54,54,54	0
57	MG	1a	1759	1/1	0.98	0.11	55,55,55,55	0
57	MG	2D	306	1/1	0.98	0.25	40,40,40,40	0
57	MG	1X	106	1/1	0.98	0.04	44,44,44,44	0
57	MG	1a	1761	1/1	0.98	0.07	50,50,50,50	0
57	MG	1A	3135	1/1	0.98	0.05	38,38,38,38	0
57	MG	2f	201	1/1	0.98	0.12	38,38,38,38	0
57	MG	1A	3043	1/1	0.98	0.09	27,27,27,27	0
57	MG	2A	3381	1/1	0.98	0.06	45,45,45,45	0
57	MG	1A	3340	1/1	0.98	0.05	52,52,52,52	0
57	MG	1A	3643	1/1	0.98	0.05	31,31,31,31	0
57	MG	1A	3910	1/1	0.98	0.05	46,46,46,46	0
57	MG	1A	3102	1/1	0.98	0.05	37,37,37,37	0
57	MG	1A	3773	1/1	0.98	0.04	29,29,29,29	0
57	MG	1A	3528	1/1	0.98	0.04	40,40,40,40	0
57	MG	1A	4075	1/1	0.98	0.04	52,52,52,52	0
57	MG	1A	3915	1/1	0.98	0.04	39,39,39,39	0
57	MG	2A	3390	1/1	0.98	0.07	39,39,39,39	0
57	MG	2A	3647	1/1	0.98	0.08	57,57,57,57	0
57	MG	10	105	1/1	0.98	0.05	43,43,43,43	0
57	MG	2A	3154	1/1	0.98	0.06	39,39,39,39	0
57	MG	1A	3342	1/1	0.98	0.12	45,45,45,45	0
57	MG	1A	3530	1/1	0.98	0.05	37,37,37,37	0
57	MG	2Q	203	1/1	0.98	0.07	48,48,48,48	0
57	MG	1A	3919	1/1	0.98	0.05	36,36,36,36	0
57	MG	1A	3264	1/1	0.98	0.10	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	2R	201	1/1	0.98	0.15	46,46,46,46	0
57	MG	1A	3138	1/1	0.98	0.04	13,13,13,13	0
57	MG	1A	3924	1/1	0.98	0.03	27,27,27,27	0
57	MG	2T	202	1/1	0.98	0.20	52,52,52,52	0
57	MG	2A	3656	1/1	0.98	0.13	48,48,48,48	0
57	MG	2U	201	1/1	0.98	0.07	54,54,54,54	0
57	MG	2A	3162	1/1	0.98	0.08	35,35,35,35	0
57	MG	1a	1780	1/1	0.98	0.04	66,66,66,66	0
57	MG	1A	3078	1/1	0.98	0.14	30,30,30,30	0
57	MG	1A	3534	1/1	0.98	0.12	34,34,34,34	0
57	MG	1A	3435	1/1	0.98	0.07	43,43,43,43	0
57	MG	1A	3928	1/1	0.98	0.12	29,29,29,29	0
57	MG	1A	3654	1/1	0.98	0.04	29,29,29,29	0
57	MG	2A	3169	1/1	0.98	0.12	42,42,42,42	0
57	MG	1A	3930	1/1	0.98	0.06	39,39,39,39	0
57	MG	1A	3346	1/1	0.98	0.15	35,35,35,35	0
57	MG	13	102	1/1	0.98	0.04	31,31,31,31	0
57	MG	1A	3656	1/1	0.98	0.05	28,28,28,28	0
57	MG	1A	3787	1/1	0.98	0.04	23,23,23,23	0
59	ZN	1Y	204	1/1	0.98	0.07	70,70,70,70	0
59	ZN	14	102	1/1	0.98	0.08	94,94,94,94	0
57	MG	2A	3670	1/1	0.98	0.04	33,33,33,33	0
57	MG	1A	3347	1/1	0.98	0.06	30,30,30,30	0
57	MG	1A	3060	1/1	0.98	0.22	50,50,50,50	0
60	SF4	2d	303	8/8	0.98	0.05	64,67,77,77	0
57	MG	2A	3112	1/1	0.99	0.09	36,36,36,36	0
57	MG	2A	3848	1/1	0.99	0.03	47,47,47,47	0
57	MG	2A	3591	1/1	0.99	0.05	33,33,33,33	0
57	MG	1A	3783	1/1	0.99	0.07	35,35,35,35	0
57	MG	2A	3114	1/1	0.99	0.11	57,57,57,57	0
57	MG	1A	3164	1/1	0.99	0.07	27,27,27,27	0
57	MG	1A	3234	1/1	0.99	0.16	28,28,28,28	0
57	MG	1A	3094	1/1	0.99	0.12	20,20,20,20	0
57	MG	2a	1757	1/1	0.99	0.04	50,50,50,50	0
57	MG	1A	3276	1/1	0.99	0.04	29,29,29,29	0
57	MG	1A	3021	1/1	0.99	0.06	21,21,21,21	0
57	MG	1F	302	1/1	0.99	0.04	25,25,25,25	0
57	MG	2A	3600	1/1	0.99	0.13	51,51,51,51	0
57	MG	2A	3859	1/1	0.99	0.06	59,59,59,59	0
57	MG	1A	3662	1/1	0.99	0.03	49,49,49,49	0
57	MG	2A	3009	1/1	0.99	0.07	44,44,44,44	0
57	MG	1A	3321	1/1	0.99	0.06	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	1A	3412	1/1	0.99	0.09	33,33,33,33	0
57	MG	1F	306	1/1	0.99	0.16	26,26,26,26	0
57	MG	1A	3554	1/1	0.99	0.12	27,27,27,27	0
57	MG	1a	1770	1/1	0.99	0.05	43,43,43,43	0
57	MG	1A	3198	1/1	0.99	0.04	39,39,39,39	0
57	MG	1A	3238	1/1	0.99	0.07	28,28,28,28	0
57	MG	1A	4099	1/1	0.99	0.06	28,28,28,28	0
57	MG	1A	3557	1/1	0.99	0.11	32,32,32,32	0
57	MG	1A	3730	1/1	0.99	0.08	22,22,22,22	0
57	MG	1A	3558	1/1	0.99	0.10	20,20,20,20	0
57	MG	2a	1638	1/1	0.99	0.16	49,49,49,49	0
57	MG	2A	3021	1/1	0.99	0.05	40,40,40,40	0
57	MG	1A	4103	1/1	0.99	0.04	42,42,42,42	0
57	MG	1A	4104	1/1	0.99	0.06	33,33,33,33	0
57	MG	1A	3280	1/1	0.99	0.22	28,28,28,28	0
57	MG	1A	3561	1/1	0.99	0.11	31,31,31,31	0
57	MG	2A	3139	1/1	0.99	0.07	39,39,39,39	0
57	MG	1A	3199	1/1	0.99	0.04	28,28,28,28	0
57	MG	2A	3141	1/1	0.99	0.08	30,30,30,30	0
57	MG	2A	3881	1/1	0.99	0.04	50,50,50,50	0
57	MG	1A	3673	1/1	0.99	0.08	34,34,34,34	0
57	MG	1A	3031	1/1	0.99	0.05	24,24,24,24	0
57	MG	2A	3262	1/1	0.99	0.04	39,39,39,39	0
57	MG	1A	3946	1/1	0.99	0.04	12,12,12,12	0
57	MG	1A	3803	1/1	0.99	0.07	17,17,17,17	0
57	MG	1A	3097	1/1	0.99	0.03	33,33,33,33	0
57	MG	2A	3628	1/1	0.99	0.06	51,51,51,51	0
57	MG	1A	4113	1/1	0.99	0.05	25,25,25,25	0
57	MG	1A	3202	1/1	0.99	0.05	26,26,26,26	0
57	MG	2A	3149	1/1	0.99	0.08	26,26,26,26	0
57	MG	2A	3632	1/1	0.99	0.08	43,43,43,43	0
57	MG	1A	3950	1/1	0.99	0.04	30,30,30,30	0
57	MG	1A	3032	1/1	0.99	0.09	22,22,22,22	0
57	MG	1A	3568	1/1	0.99	0.07	26,26,26,26	0
57	MG	2A	3511	1/1	0.99	0.07	61,61,61,61	0
57	MG	1A	3142	1/1	0.99	0.09	19,19,19,19	0
57	MG	1A	3623	1/1	0.99	0.03	22,22,22,22	0
57	MG	1A	4034	1/1	0.99	0.05	19,19,19,19	0
57	MG	1A	3014	1/1	0.99	0.05	30,30,30,30	0
57	MG	1A	3571	1/1	0.99	0.14	31,31,31,31	0
57	MG	1a	1797	1/1	0.99	0.04	58,58,58,58	0
57	MG	2A	3159	1/1	0.99	0.08	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	1a	1798	1/1	0.99	0.04	43,43,43,43	0
57	MG	1A	3172	1/1	0.99	0.10	19,19,19,19	0
57	MG	1A	3684	1/1	0.99	0.03	20,20,20,20	0
57	MG	1A	3034	1/1	0.99	0.19	28,28,28,28	0
57	MG	1A	3883	1/1	0.99	0.15	33,33,33,33	0
57	MG	1A	3686	1/1	0.99	0.02	35,35,35,35	0
57	MG	2A	3776	1/1	0.99	0.03	55,55,55,55	0
57	MG	2A	3049	1/1	0.99	0.12	21,21,21,21	0
57	MG	1A	3208	1/1	0.99	0.03	39,39,39,39	0
57	MG	1A	3209	1/1	0.99	0.06	27,27,27,27	0
57	MG	1a	1806	1/1	0.99	0.03	53,53,53,53	0
57	MG	1A	3174	1/1	0.99	0.03	28,28,28,28	0
57	MG	2D	305	1/1	0.99	0.04	30,30,30,30	0
57	MG	1A	3175	1/1	0.99	0.03	28,28,28,28	0
57	MG	1A	3691	1/1	0.99	0.06	21,21,21,21	0
57	MG	1A	4047	1/1	0.99	0.06	37,37,37,37	0
57	MG	2A	3785	1/1	0.99	0.04	40,40,40,40	0
57	MG	2A	3786	1/1	0.99	0.02	42,42,42,42	0
57	MG	2A	3787	1/1	0.99	0.03	31,31,31,31	0
57	MG	1A	3122	1/1	0.99	0.08	34,34,34,34	0
57	MG	1A	3049	1/1	0.99	0.03	19,19,19,19	0
57	MG	1A	3007	1/1	0.99	0.09	35,35,35,35	0
57	MG	1A	3148	1/1	0.99	0.14	32,32,32,32	0
57	MG	2A	3178	1/1	0.99	0.07	37,37,37,37	0
57	MG	2A	3061	1/1	0.99	0.03	40,40,40,40	0
57	MG	1A	3894	1/1	0.99	0.05	34,34,34,34	0
57	MG	1a	1816	1/1	0.99	0.04	38,38,38,38	0
57	MG	1A	3005	1/1	0.99	0.08	37,37,37,37	0
57	MG	1A	3104	1/1	0.99	0.10	42,42,42,42	0
57	MG	1a	1618	1/1	0.99	0.08	37,37,37,37	0
57	MG	1a	1619	1/1	0.99	0.04	47,47,47,47	0
57	MG	1A	4055	1/1	0.99	0.03	44,44,44,44	0
57	MG	2A	3069	1/1	0.99	0.03	29,29,29,29	0
57	MG	1A	3151	1/1	0.99	0.09	34,34,34,34	0
57	MG	1A	3037	1/1	0.99	0.07	20,20,20,20	0
57	MG	2A	3674	1/1	0.99	0.15	40,40,40,40	0
57	MG	1A	3762	1/1	0.99	0.04	19,19,19,19	0
57	MG	1B	223	1/1	0.99	0.06	37,37,37,37	0
57	MG	1A	3302	1/1	0.99	0.13	27,27,27,27	0
57	MG	2A	3075	1/1	0.99	0.05	39,39,39,39	0
57	MG	1A	3153	1/1	0.99	0.07	29,29,29,29	0
57	MG	1A	3439	1/1	0.99	0.18	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	3078	1/1	0.99	0.09	24,24,24,24	0
57	MG	1a	1725	1/1	0.99	0.09	37,37,37,37	0
57	MG	1A	4062	1/1	0.99	0.05	43,43,43,43	0
57	MG	1A	3348	1/1	0.99	0.07	23,23,23,23	0
57	MG	1A	3038	1/1	0.99	0.08	21,21,21,21	0
57	MG	1A	3009	1/1	0.99	0.02	22,22,22,22	0
57	MG	1a	1632	1/1	0.99	0.10	22,22,22,22	0
57	MG	1A	3223	1/1	0.99	0.05	42,42,42,42	0
57	MG	2X	103	1/1	0.99	0.10	40,40,40,40	0
57	MG	1A	3907	1/1	0.99	0.09	42,42,42,42	0
57	MG	1A	3837	1/1	0.99	0.10	32,32,32,32	0
57	MG	1A	3010	1/1	0.99	0.05	30,30,30,30	0
57	MG	1A	3072	1/1	0.99	0.04	21,21,21,21	0
57	MG	1A	3840	1/1	0.99	0.07	44,44,44,44	0
57	MG	1A	3912	1/1	0.99	0.03	29,29,29,29	0
57	MG	1A	3649	1/1	0.99	0.02	14,14,14,14	0
57	MG	1D	305	1/1	0.99	0.10	32,32,32,32	0
57	MG	1A	3226	1/1	0.99	0.13	30,30,30,30	0
57	MG	1A	3711	1/1	0.99	0.02	17,17,17,17	0
57	MG	1A	3158	1/1	0.99	0.06	23,23,23,23	0
57	MG	1D	309	1/1	0.99	0.21	34,34,34,34	0
57	MG	1A	3917	1/1	0.99	0.07	42,42,42,42	0
57	MG	1A	3003	1/1	0.99	0.03	25,25,25,25	0
57	MG	1A	3997	1/1	0.99	0.04	53,53,53,53	0
57	MG	1A	3028	1/1	0.99	0.12	27,27,27,27	0
57	MG	1A	3058	1/1	0.99	0.04	23,23,23,23	0
57	MG	1A	3013	1/1	0.99	0.06	24,24,24,24	0
57	MG	1a	1652	1/1	0.99	0.13	39,39,39,39	0
57	MG	1a	1653	1/1	0.99	0.09	45,45,45,45	0
57	MG	1A	3922	1/1	0.99	0.06	29,29,29,29	0
57	MG	2A	3840	1/1	0.99	0.05	54,54,54,54	0
57	MG	1A	3923	1/1	0.99	0.02	20,20,20,20	0
57	MG	2A	3585	1/1	0.99	0.05	35,35,35,35	0
59	ZN	19	102	1/1	0.99	0.06	41,41,41,41	0
59	ZN	1n	102	1/1	0.99	0.04	56,56,56,56	0
57	MG	1E	306	1/1	0.99	0.06	24,24,24,24	0
57	MG	1a	1755	1/1	0.99	0.12	32,32,32,32	0
59	ZN	25	106	1/1	0.99	0.04	65,65,65,65	0
59	ZN	26	102	1/1	0.99	0.02	47,47,47,47	0
59	ZN	29	501	1/1	0.99	0.03	62,62,62,62	0
57	MG	1A	3114	1/1	0.99	0.02	26,26,26,26	0
60	SF4	1d	302	8/8	0.99	0.05	46,56,61,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3782	1/1	0.99	0.06	30,30,30,30	0
57	MG	1A	3951	1/1	1.00	0.04	30,30,30,30	0
57	MG	1U	207	1/1	1.00	0.17	27,27,27,27	0
59	ZN	15	108	1/1	1.00	0.01	40,40,40,40	0
59	ZN	16	102	1/1	1.00	0.03	40,40,40,40	0
57	MG	1A	3012	1/1	1.00	0.01	20,20,20,20	0
57	MG	1A	3769	1/1	1.00	0.08	39,39,39,39	0
57	MG	1A	3560	1/1	1.00	0.04	39,39,39,39	0

6.5 Other polymers [i](#)

There are no such residues in this entry.