



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 18, 2026 – 12:03 AM UTC

PDB ID : 7U2I / pdb_00007u2i
Title : Crystal structure of the *Thermus thermophilus* 70S ribosome in complex with mRNA, aminoacylated A-site Gly-NH-tRNA_{gly}, aminoacylated P-site fMet-NH-tRNA_{met}, deacylated E-site tRNA_{gly}, and chloramphenicol at 2.55Å resolution
Authors : Syroegin, E.A.; Aleksandrova, E.V.; Polikanov, Y.S.
Deposited on : 2022-02-24
Resolution : 2.55 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](#) ①) were used in the production of this report:

MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

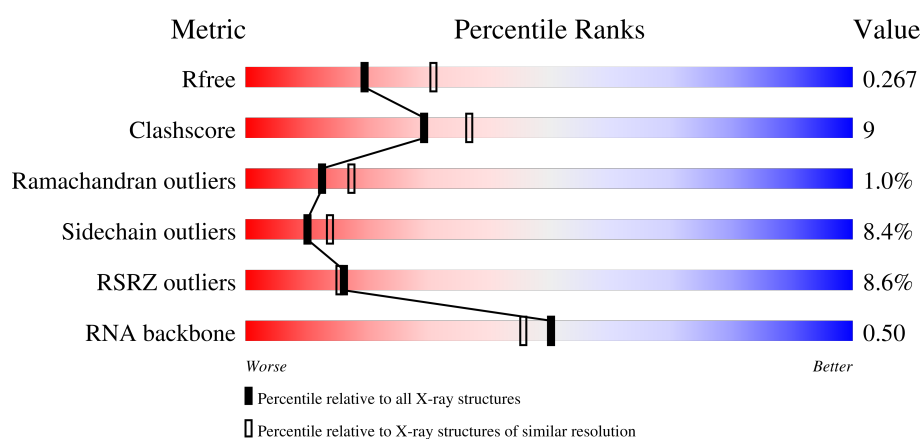
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.55 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.



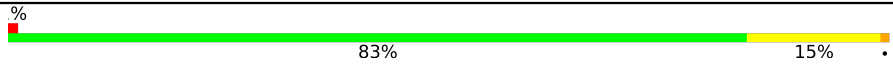
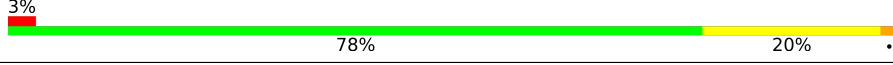
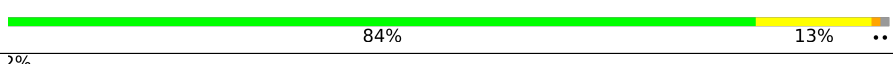
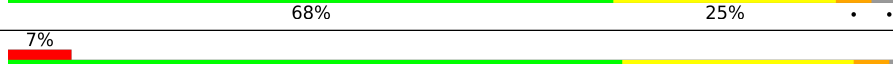
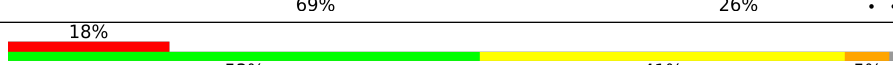
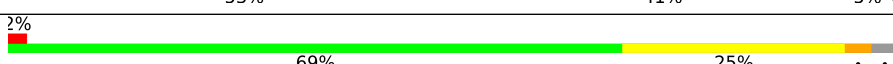
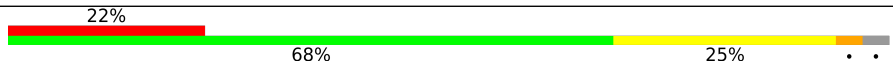
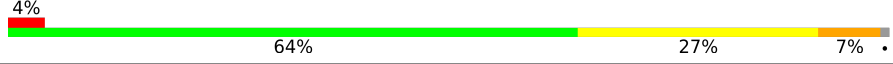
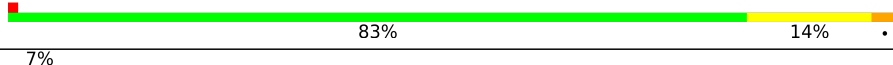
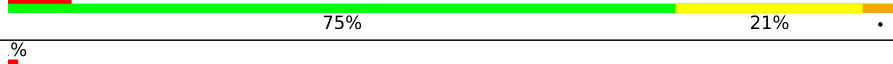
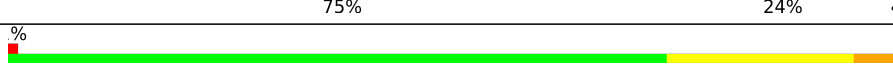
Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	1091 (2.54-2.54)
Clashscore	190562	1120 (2.54-2.54)
Ramachandran outliers	187476	1106 (2.54-2.54)
Sidechain outliers	187428	1106 (2.54-2.54)
RSRZ outliers	180081	1091 (2.54-2.54)
RNA backbone	3983	1112 (2.80-2.28)

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% 67% 25% 6% .
1	2A	2915	4% 60% 29% 7% .
2	1B	121	79% 19% ..
2	2B	121	55% 32% 12% .

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Mol	Chain	Length	Quality of chain
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	
15	1T	146	

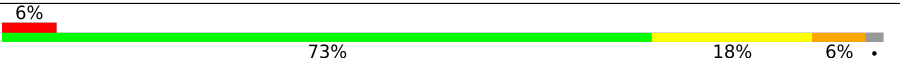
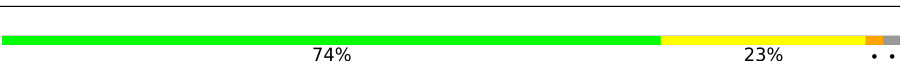
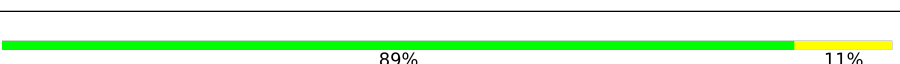
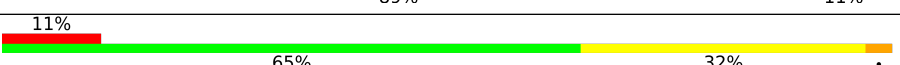
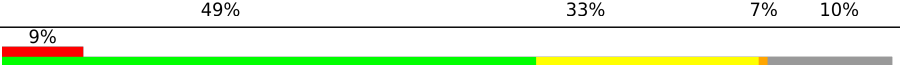
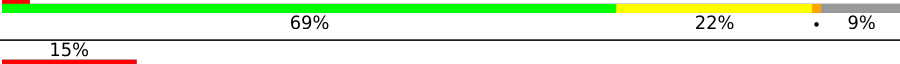
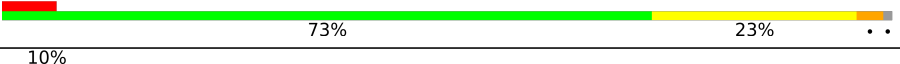
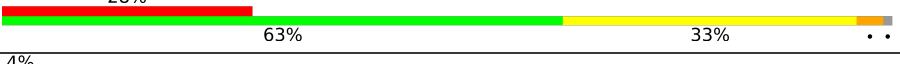
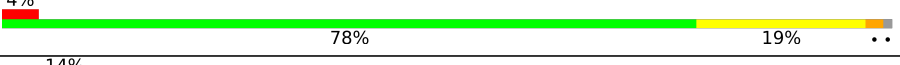
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Mol	Chain	Length	Quality of chain
15	2T	146	
16	1U	118	
16	2U	118	
17	1V	101	
17	2V	101	
18	1W	113	
18	2W	113	
19	1X	96	
19	2X	96	
20	1Y	110	
20	2Y	110	
21	1Z	206	
21	2Z	206	
22	10	85	
22	20	85	
23	11	98	
23	21	98	
24	12	72	
24	22	72	
25	13	60	
25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

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

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

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Mol	Chain	Length	Quality of chain
53	1v	24	
53	2v	24	
54	1w	74	
54	2w	74	
55	1x	77	
55	2x	77	
56	1y	74	
56	2y	74	

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
54	4SU	2w	8	-	-	X	-
57	MG	1U	210	-	-	-	X
57	MG	1a	1636	-	-	-	X
57	MG	1a	1722	-	-	-	X
57	MG	2A	3218	-	-	-	X
57	MG	2A	3325	-	-	-	X
57	MG	2A	3424	-	-	-	X
57	MG	2v	103	-	-	-	X

2 Entry composition

There are 62 unique types of molecules in this entry. The entry contains 300046 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	1F	202	Total	C	N	O	S	0	0	0
			1583	1009	297	275	2			
5	2F	202	Total	C	N	O	S	0	0	0
			1579	1007	296	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 MG-mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	1v	13	Total	C	N	O	P	0	0	0
			286	128	59	86	13			
53	2v	13	Total	C	N	O	P	0	0	0
			286	128	59	86	13			

- Molecule 54 is a RNA chain called A-site Aminoacyl-tRNA Gly-NH-tRNAgly.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
54	1w	73	Total	C	N	O	P	S	0	0	0
			1556	695	275	512	73	1			
54	2w	72	Total	C	N	O	P	S	0	0	0
			1536	686	273	504	72	1			

- Molecule 55 is a RNA chain called P-site Aminoacyl-tRNA fMet-NH-tRNAmet.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
55	1x	77	Total	C	N	O	P	S	0	0	0
			1656	740	299	538	77	2			
55	2x	77	Total	C	N	O	P	S	0	0	0
			1656	740	299	538	77	2			

- Molecule 56 is a RNA chain called E-site Deacylated tRNAgly.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
56	1y	73	Total	C	N	O	P	S	0	0	0
			1552	693	273	512	73	1			
56	2y	73	Total	C	N	O	P	S	0	0	0
			1552	693	273	512	73	1			

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1A	1095	Total	Mg	0	0
			1095	1095		
57	1B	36	Total	Mg	0	0
			36	36		
57	1D	13	Total	Mg	0	0
			13	13		
57	1E	12	Total	Mg	0	0
			12	12		
57	1F	15	Total	Mg	0	0
			15	15		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1G	4	Total 4	Mg 4	0	0
57	1I	1	Total 1	Mg 1	0	0
57	1N	5	Total 5	Mg 5	0	0
57	1O	5	Total 5	Mg 5	0	0
57	1P	5	Total 5	Mg 5	0	0
57	1Q	7	Total 7	Mg 7	0	0
57	1R	7	Total 7	Mg 7	0	0
57	1S	3	Total 3	Mg 3	0	0
57	1T	3	Total 3	Mg 3	0	0
57	1U	10	Total 10	Mg 10	0	0
57	1V	7	Total 7	Mg 7	0	0
57	1W	7	Total 7	Mg 7	0	0
57	1X	7	Total 7	Mg 7	0	0
57	1Y	3	Total 3	Mg 3	0	0
57	1Z	3	Total 3	Mg 3	0	0
57	10	9	Total 9	Mg 9	0	0
57	11	3	Total 3	Mg 3	0	0
57	12	2	Total 2	Mg 2	0	0
57	13	5	Total 5	Mg 5	0	0
57	15	6	Total 6	Mg 6	0	0
57	16	2	Total 2	Mg 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
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	226	Total 226	Mg 226	0	0
57	1b	2	Total 2	Mg 2	0	0
57	1e	2	Total 2	Mg 2	0	0
57	1f	2	Total 2	Mg 2	0	0
57	1h	1	Total 1	Mg 1	0	0
57	1l	2	Total 2	Mg 2	0	0
57	1m	1	Total 1	Mg 1	0	0
57	1n	2	Total 2	Mg 2	0	0
57	1s	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	7	Total 7	Mg 7	0	0
57	1x	12	Total 12	Mg 12	0	0
57	2A	861	Total 861	Mg 861	0	0
57	2B	20	Total 20	Mg 20	0	0
57	2D	5	Total 5	Mg 5	0	0
57	2E	8	Total 8	Mg 8	0	0
57	2F	7	Total 7	Mg 7	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	2G	1	Total 1	Mg 1	0	0
57	2N	1	Total 1	Mg 1	0	0
57	2O	1	Total 1	Mg 1	0	0
57	2P	2	Total 2	Mg 2	0	0
57	2Q	3	Total 3	Mg 3	0	0
57	2R	2	Total 2	Mg 2	0	0
57	2T	4	Total 4	Mg 4	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	1	Total 1	Mg 1	0	0
57	2Y	1	Total 1	Mg 1	0	0
57	2Z	1	Total 1	Mg 1	0	0
57	20	2	Total 2	Mg 2	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	3	Total 3	Mg 3	0	0
57	28	2	Total 2	Mg 2	0	0
57	2a	225	Total 225	Mg 225	0	0

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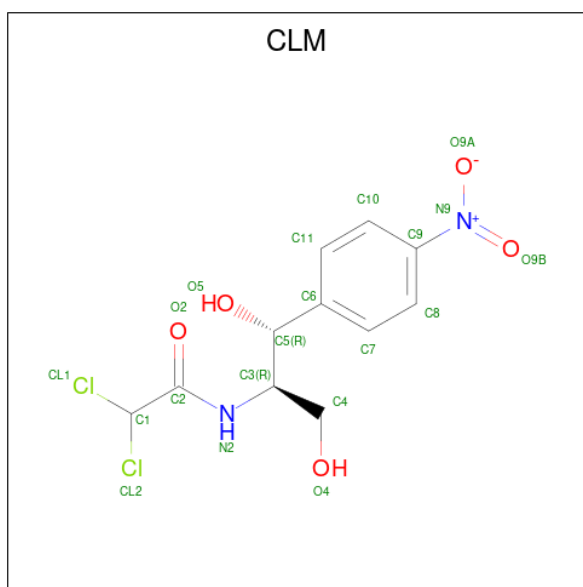
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	2d	2	Total 2	Mg 2	0	0
57	2e	1	Total 1	Mg 1	0	0
57	2f	2	Total 2	Mg 2	0	0
57	2i	1	Total 1	Mg 1	0	0
57	2j	1	Total 1	Mg 1	0	0
57	2k	1	Total 1	Mg 1	0	0
57	2l	3	Total 3	Mg 3	0	0
57	2q	2	Total 2	Mg 2	0	0
57	2r	1	Total 1	Mg 1	0	0
57	2t	1	Total 1	Mg 1	0	0
57	2v	4	Total 4	Mg 4	0	0
57	2w	4	Total 4	Mg 4	0	0
57	2x	4	Total 4	Mg 4	0	0
57	2y	1	Total 1	Mg 1	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 CHLORAMPHENICOL (CCD ID: CLM) (formula: $C_{11}H_{12}Cl_2N_2O_5$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
59	1A	1	Total	C	Cl	N	O	0
			20	11	2	2	5	
59	2A	1	Total	C	Cl	N	O	0
			20	11	2	2	5	

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

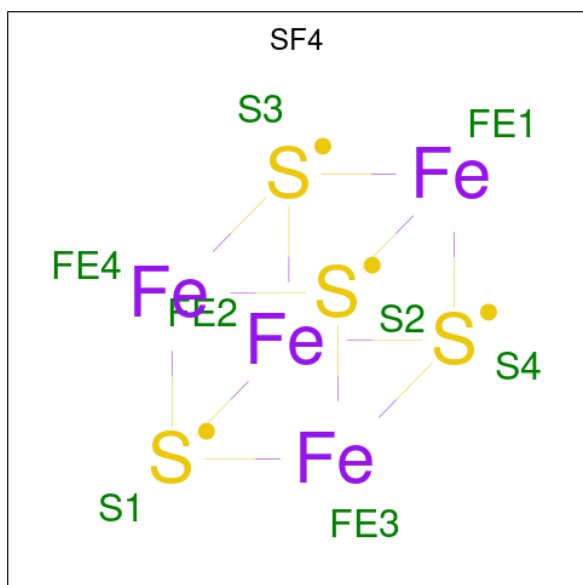
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1Y	1	Total	Zn	0	0
			1	1		
60	14	1	Total	Zn	0	0
			1	1		
60	15	1	Total	Zn	0	0
			1	1		
60	16	1	Total	Zn	0	0
			1	1		
60	19	1	Total	Zn	0	0
			1	1		
60	1n	1	Total	Zn	0	0
			1	1		
60	2Y	1	Total	Zn	0	0
			1	1		
60	24	1	Total	Zn	0	0
			1	1		
60	25	1	Total	Zn	0	0
			1	1		
60	26	1	Total	Zn	0	0
			1	1		

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

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



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

- Molecule 62 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	1A	2086	Total	O	0	0
			2086	2086		
62	1B	65	Total	O	0	0
			65	65		
62	1D	28	Total	O	0	0
			28	28		
62	1E	28	Total	O	0	0
			28	28		
62	1F	17	Total	O	0	0
			17	17		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	1G	7	Total 7	O 7	0	0
62	1H	2	Total 2	O 2	0	0
62	1N	5	Total 5	O 5	0	0
62	1O	6	Total 6	O 6	0	0
62	1P	21	Total 21	O 21	0	0
62	1Q	7	Total 7	O 7	0	0
62	1R	7	Total 7	O 7	0	0
62	1S	3	Total 3	O 3	0	0
62	1T	9	Total 9	O 9	0	0
62	1U	13	Total 13	O 13	0	0
62	1V	9	Total 9	O 9	0	0
62	1W	5	Total 5	O 5	0	0
62	1X	6	Total 6	O 6	0	0
62	1Y	3	Total 3	O 3	0	0
62	1Z	1	Total 1	O 1	0	0
62	10	12	Total 12	O 12	0	0
62	11	10	Total 10	O 10	0	0
62	12	3	Total 3	O 3	0	0
62	13	6	Total 6	O 6	0	0
62	14	1	Total 1	O 1	0	0
62	15	6	Total 6	O 6	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	16	5	Total 5	O 5	0	0
62	17	9	Total 9	O 9	0	0
62	18	10	Total 10	O 10	0	0
62	1a	331	Total 331	O 331	0	0
62	1b	1	Total 1	O 1	0	0
62	1d	1	Total 1	O 1	0	0
62	1e	1	Total 1	O 1	0	0
62	1l	3	Total 3	O 3	0	0
62	1m	2	Total 2	O 2	0	0
62	1q	3	Total 3	O 3	0	0
62	1u	1	Total 1	O 1	0	0
62	1v	6	Total 6	O 6	0	0
62	1w	9	Total 9	O 9	0	0
62	1x	11	Total 11	O 11	0	0
62	1y	1	Total 1	O 1	0	0
62	2A	1147	Total 1147	O 1147	0	0
62	2B	21	Total 21	O 21	0	0
62	2D	18	Total 18	O 18	0	0
62	2E	14	Total 14	O 14	0	0
62	2F	12	Total 12	O 12	0	0
62	2I	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	2N	2	Total 2	O 2	0	0
62	2O	2	Total 2	O 2	0	0
62	2P	10	Total 10	O 10	0	0
62	2Q	1	Total 1	O 1	0	0
62	2R	5	Total 5	O 5	0	0
62	2T	3	Total 3	O 3	0	0
62	2U	3	Total 3	O 3	0	0
62	2W	4	Total 4	O 4	0	0
62	2X	5	Total 5	O 5	0	0
62	2Z	2	Total 2	O 2	0	0
62	20	1	Total 1	O 1	0	0
62	21	8	Total 8	O 8	0	0
62	23	2	Total 2	O 2	0	0
62	25	3	Total 3	O 3	0	0
62	27	5	Total 5	O 5	0	0
62	28	3	Total 3	O 3	0	0
62	29	1	Total 1	O 1	0	0
62	2a	205	Total 205	O 205	0	0
62	2c	1	Total 1	O 1	0	0
62	2i	1	Total 1	O 1	0	0
62	2j	3	Total 3	O 3	0	0

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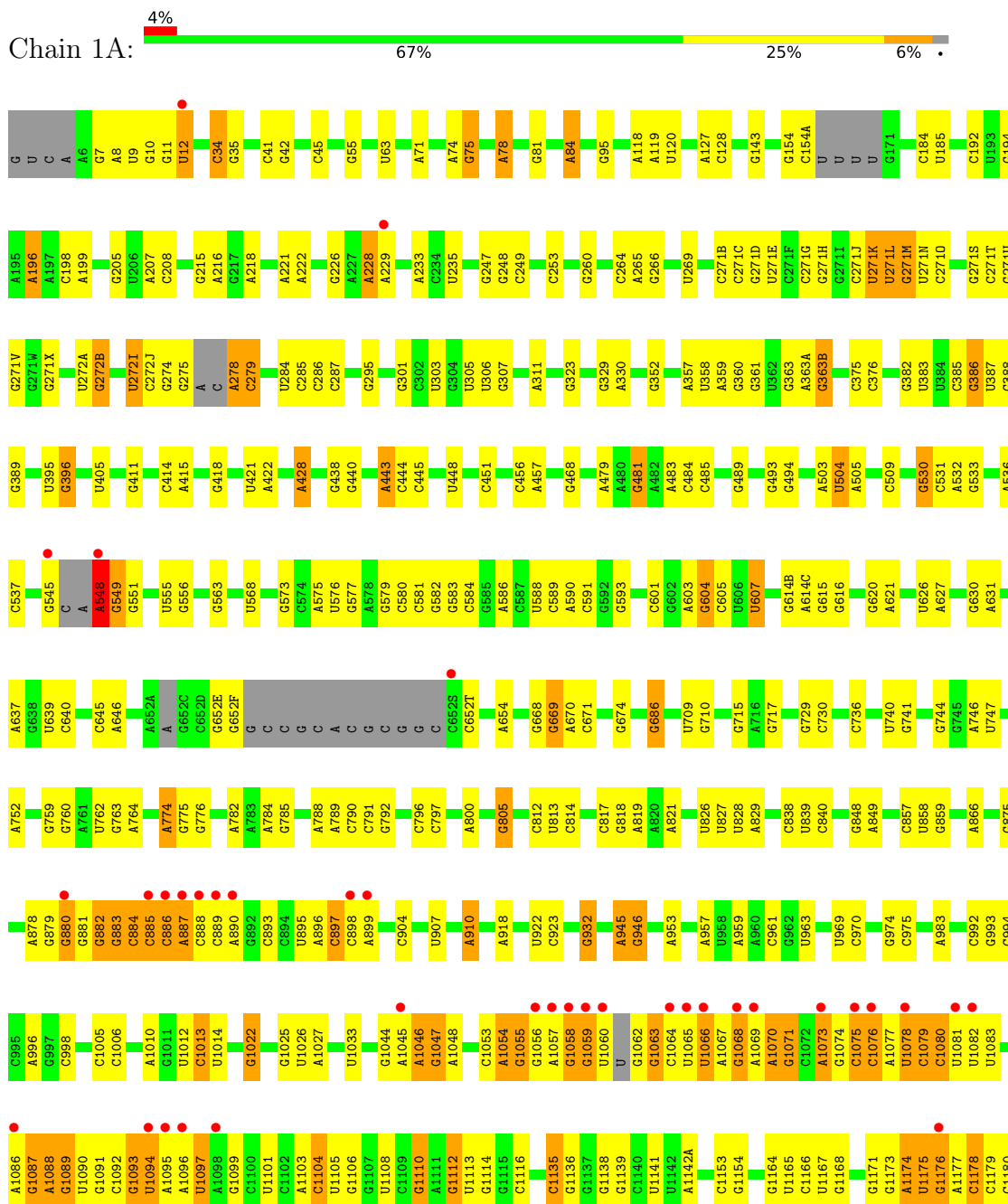
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	2l	4	Total 4	O 4	0	0
62	2r	1	Total 1	O 1	0	0
62	2t	2	Total 2	O 2	0	0
62	2v	2	Total 2	O 2	0	0
62	2w	1	Total 1	O 1	0	0
62	2x	7	Total 7	O 7	0	0

3 Residue-property plots [i](#)

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

• Molecule 1: 23S Ribosomal RNA

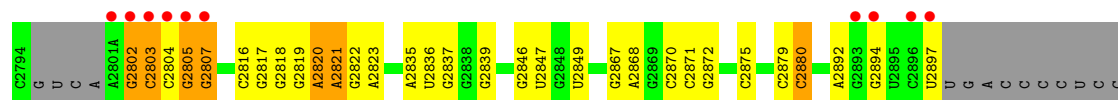


U2887	A2753	G2503	A2469	A2328	G2149	G2069	A1937	A1802	A1669	U1503	G1371	C1181
C2888	U2754	U2604	A2476	G2329	U2150	G2088	A1958	A1803	A1670	C1504	U1372	A1162
C2891	C2755	G2330	C2477	G2331	G2151	U2089	U1939	C1804	C1570	C1505	A1373	G1183
A2892	A2765	U2609	A2478	G2334	G2153	G2093	C1942	G1811	G1674	A1507	A1379	U1187
G2893	C2771	G2610	G2482	A2335	G2154	U2096	U1955	U1880	U1680	A1508	U1384	U1188
G2894	C2772	C2612	C2483	A2336	G2155	U2097	U1956	G1814	G1681	C1509	A1386	C1201
U2895	A2778	G2617	G2490	C2347	A2158	C2097	C1957	A1815	U1693	A1509A	G1386	G1219
G2896	C2787	G2618	U2491	G2349	A2159	U2098	C1958	G1816	U1696	G1515	C1387	
U2897	C2788	G2619	U2492	G2350	G2160	G2100	C1962	G1817	G1696	A1395	A1241	
G	C2789	A2629	U2493	G2354	C2161	G2101	U1963	C1827	U1396	U1518	A1396	
A	C2790	G2630	C2498	G2354	G2162	U2102	G1964	G1828	A1700	G1519		
C	C2791	G2633	C2499	A2361	C2163	C2103	C1965	A1829	A1701	C1399		
C	G2792	G2634	G2502	A2361	G2164	G2105	A1966	C1837	G1702	A1528		
U	G2793	A2503	G2502	G2377	G2165	G2106	C1967	C1837	U1406	U1406		
C	C2794	U2504	U2504	A2378	U2167	C2107	G1968	A1847	C1407	C1407		
C	G	U2505	U2506	A2379	G2168	U2108	A1970	U1851	A1412	A1412		
C	U	C	U2506	G2379	A2169	C2109	A1971	C1852	G1413	G1413		
C	A	A2654	U2511	G2383	A2170	C2110	A1972	U1720	G1416	G1416		
G2802	A2801A	G2683	U2518	C2384	U2171	G2111	A1859	A1722	C1417	C1417		
G2803	G2802	G2683	A2518	C2385	U2172	U2113	G1992	U1739	U1540	U1540		
C2804	G2803	U2887	G2529	U2390	C2173	A2114	U1993	C1745A	G1541	G1541		
G2805	G2804	U2888	G2529	U2390	C2175	G2115	C1996	G1746	A1542	A1542		
G2807	G2805	U2889	G2400	G2400	C2177	A2117	G1997	G1753	C1543	C1543		
A2810	G2807	U2890	G2535	G2406	C2178	U2118	C1866	A1554	A1427	A1427		
G2811	G2810	C2691	G2536	U2407	C2179	A2119	A1877	A1558	G1428	G1428		
G2818	G2811	C2892	U2537	G2408	U2180	G2120	G1756	A1566	C1429	C1429		
G2819	G2818	A2693	G2538	U2409	G2181	U2122	A1762	A1569	U1292	U1292		
A2820	G2819	U2550	G2550	G2410	C2182	G2123	G1763	G1442	C1291	C1291		
A2821	G2820	C2551	C2551	G2417	C2185	G2124	G1764	A1445	C1293	C1293		
G2822	G2821	G2553	G2553	U2417	C2186	G2125	U1578	U1300	U1300	U1300		
A2835	G2822	U2554	U2554	A2422	G2187	A2126	A1773	A1301	A1301	A1301		
G2839	A2835	G2557	G2557	U2423	G2188	G2127	C1774	A1302	A1302	A1302		
G2840	G2839	C2424	C2424	U2425	U2189	C2128	G1448	A1303	A1303	A1303		
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G2852	U2849	G2428	G2428	G2429	G2193	G2133	A1586	A1321	A1321	A1321		
G2853	G2852	A2430	A2430	A2431	A2198	A2134	C1587	G1332	G1332	G1332		
G2854	G2853	U2431	U2431	G2435	G2206	A2135	C1782	A1460	A1460	A1460		
G2855	G2854	U2312	U2312	A2435	G2207	C2136	G1593	G1342	G1342	G1342		
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	C2752	A2602	A2602	G2458	C2229	G2146	G1801	A1365	A1365	A1365		

Chain 2A: 4% 60% 29% 7%



U2682 C2683	U2689 C2690 C2691 C2692	A2693 C2694 C2695 U2696 C2697 U2698	U2558 A2566 C2567 C2568 C2569	C2558 A2566 C2567 C2568 C2569	C2445 A2448 A2453 C2465	A2361 C2362 C2363 C2364	C2285 A2286 A2287 A2288 C2289 C2290 U2291 C2292 C2293 C2294 C2295 C2296 U2297 A2298 C2299 C2300	C2179 U2180 C2181 C2182 C2183 C2184 C2185 C2186 C2187 C2188 C2189 C2190 C2191 C2192	U2118 A2119 C2120 C2121 C2122 C2123 C2124 C2125 C2126 C2127 C2128 C2129 U2130 C2131 C2132 C2133 C2134 C2135 C2136 C2137 C2138 C2139 C2140 C2141 C2142 C2143 C2144 C2145 C2146 C2147 C2148 C2149 U2150	C2036 G2037 C2038 C2039 C2040 C2043 C2049	U1923 A1927 A1928 G1929 G1930 U1931 A1932 G1933	U1794 C1795 U1796 C1797 U1798 G1799 C1800 G1801 A1802 A1803 C1804 U1805 A1812 A1815 G1816 G1817 A1829 C1830 G1831 C1832 C1837 G1840 A1847 A1848 G1861 A1877 G1878 A1889 A1890 C1895 G1899 A1900 G1906 G1907 C1908 C1909 G1910 U1911 A1912 A1913 C1914 U1915 A1916 U1917 C1920	A1632 G1633 G1647 C1648 G1653 A1654 A1665 G1666 G1667 C1670 U1671 G1674 U1688 A1689 G1696 G1697 A1698 G1699 A1700 A1701 G1721 A1722 H1739 C1740 G1746 A1757 G1756 H1757 G1758 A1762 G1763 G1764 G1769 G1772 A1773 U1778 H1779 A1780 C1781 C1782 A1783 A1784 A1785 A1786 C1790 A1791	G1554 A1528A G1529 G1530 C1531 C1532 G1533 A U G1536 G1537 G1538 G1539 U1540 A1541 A1542 A1543 A1544 A1545 C1546 C1547 C1548 C1557 A1558 A1566 A1567 G1568 A1569 C1577 U1578 A1579 A1580 G1581 C1582 A1583 C1584 C1589 U1590 G1591 C1592 G1593 A1595 A1596 C1599 A1608 A1609 A1610 A1614 G1630 U1631 A1631A	U1420 A1421 C1428 G1429 C1430 A1434 C1437 G1442 G1443 G1444 C1445A C1446 G1447 G1448 A1449 G1450 U1452 U1453 G1455 G1456 A1460 G1461 C1462 C1463 G1466 C1467 C1468 A1471 C1474 G1474 G1482 A1490 C1493 A1494 A1496 U1497 C1506 A1507 A1508 C1509 A1509A G1517 U1518 G1519	U1283 A1284 G1285 C1297 G1298 U1300 A1301 A1302 G1303 C1306 U1313 C1314 C1315 U1316 A1317 U1323 U1340 U1352 A1353 A1354 G1355 G1356 A1359 A1360 A1365 G1368 G1369 C1370 G1371 U1372 A1373 G1374 C1375 A1379 G1380 A1384 G1385 C1386 G1400 G1401 U1405 U1406 C1407 C1408 G1416 U1518 G1519
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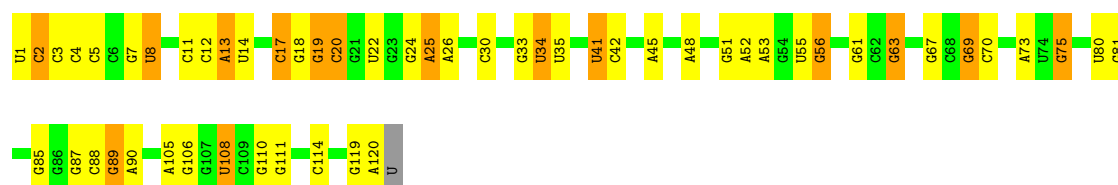
• Molecule 2: 5S Ribosomal RNA

Chain 1B: 79% 19% ..



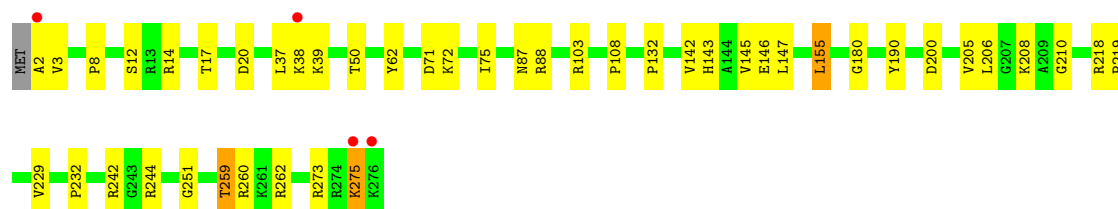
• Molecule 2: 5S Ribosomal RNA

Chain 2B: 55% 32% 12% .



• Molecule 3: 50S ribosomal protein L2

Chain 1D: 83% 15% .



• Molecule 3: 50S ribosomal protein L2

Chain 2D: 3% 78% 20% .



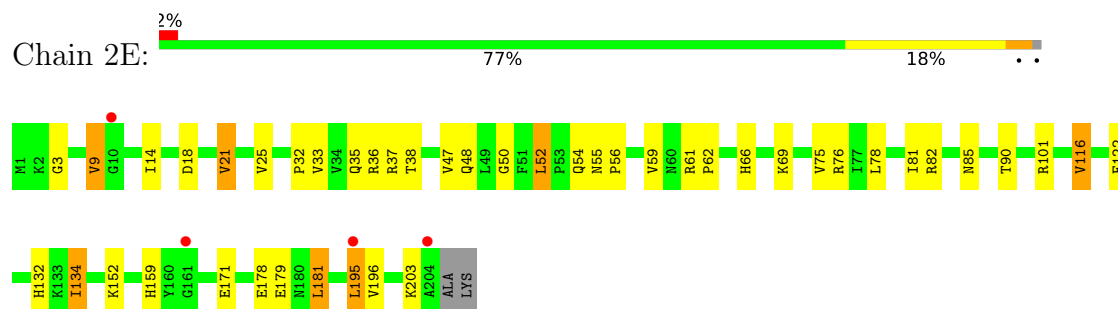
• Molecule 4: 50S ribosomal protein L3

Chain 1E: 84% 13% ..

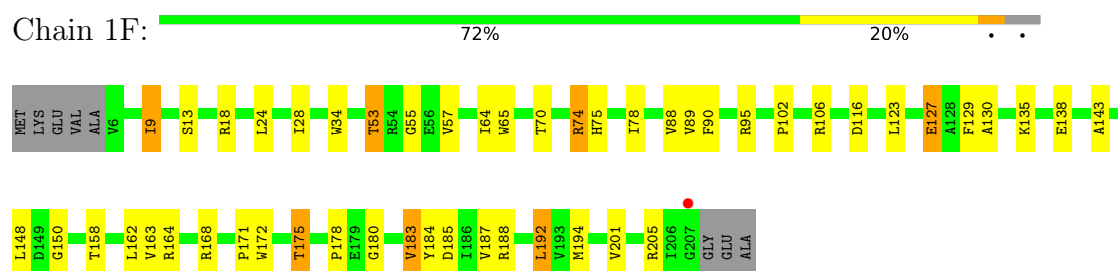


ALA
LYS

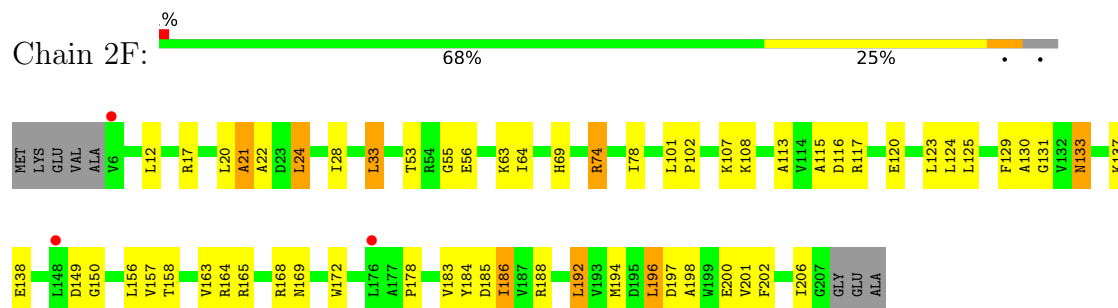
- Molecule 4: 50S ribosomal protein L3



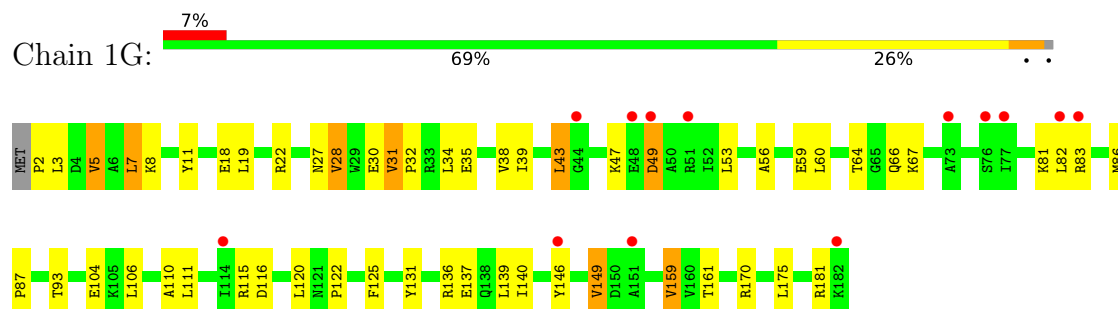
- Molecule 5: 50S ribosomal protein L4



- Molecule 5: 50S ribosomal protein L4

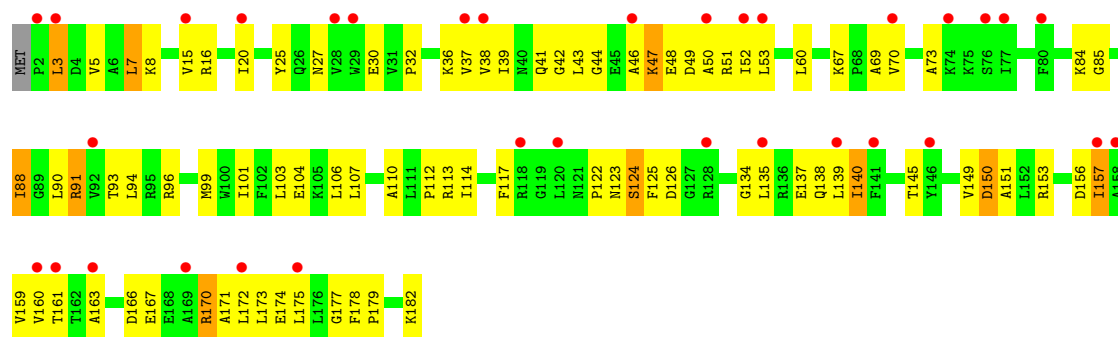


- Molecule 6: 50S ribosomal protein L5

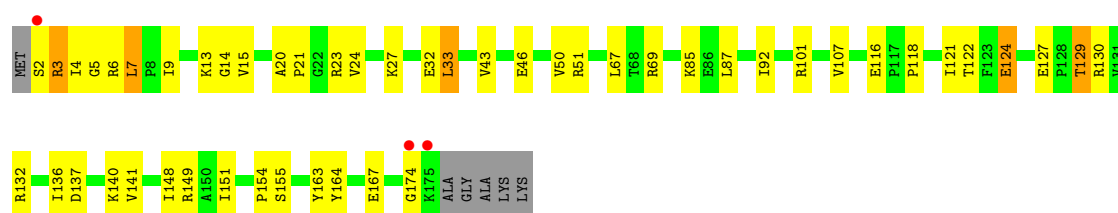


- Molecule 6: 50S ribosomal protein L5

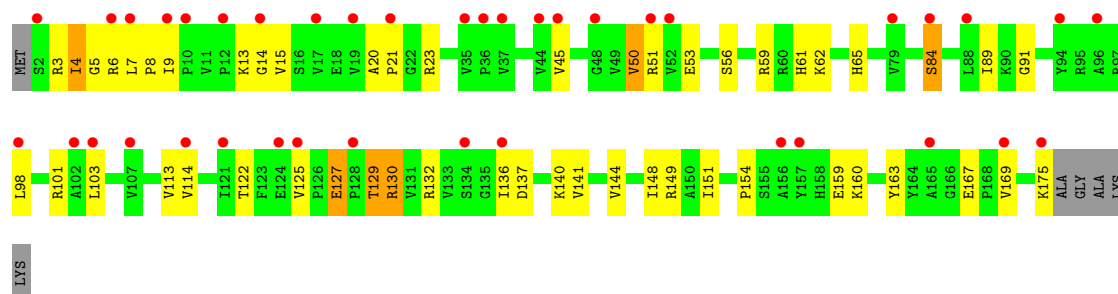




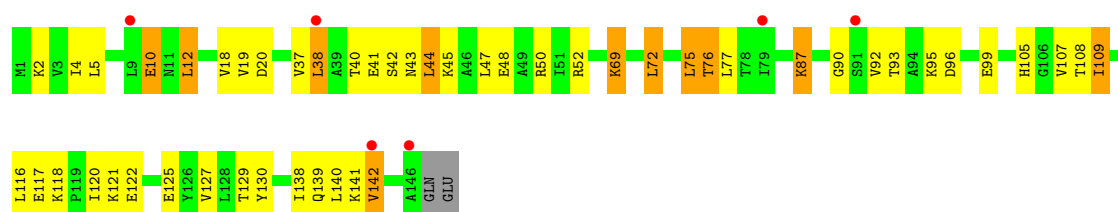
• Molecule 7: 50S ribosomal protein L6



• Molecule 7: 50S ribosomal protein L6

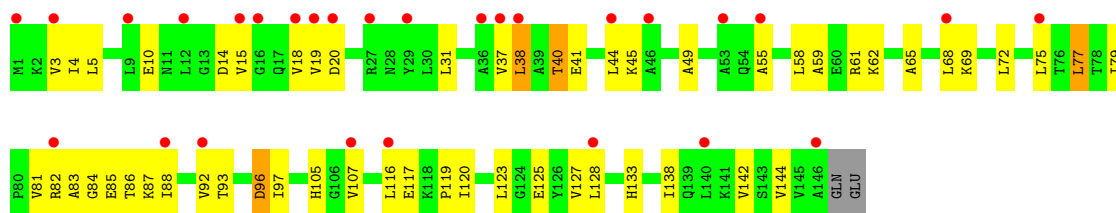


• Molecule 8: 50S ribosomal protein L9

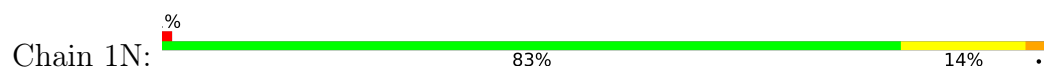


• Molecule 8: 50S ribosomal protein L9

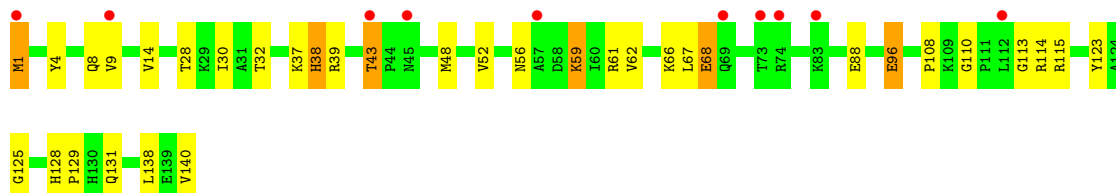
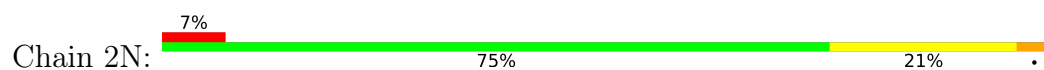




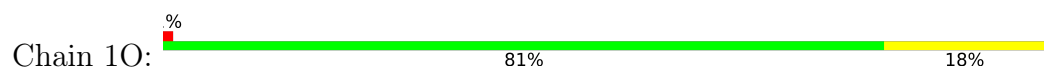
• Molecule 9: 50S ribosomal protein L13



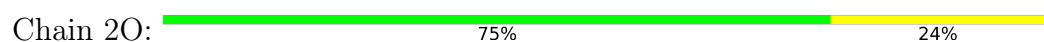
• Molecule 9: 50S ribosomal protein L13



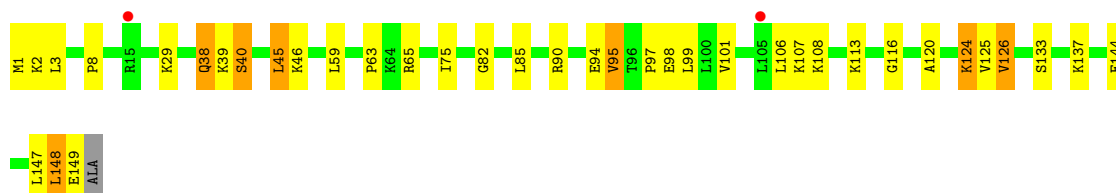
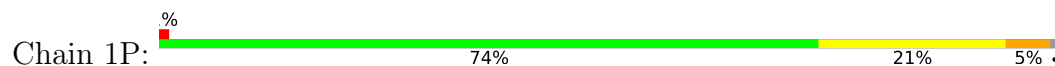
• Molecule 10: 50S ribosomal protein L14



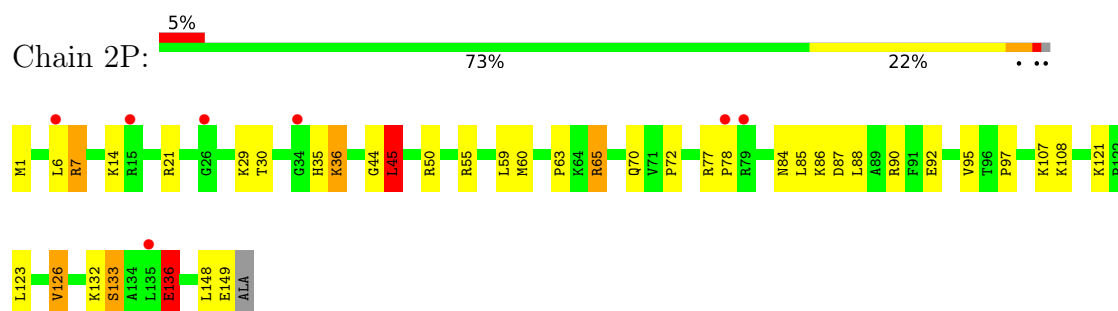
• Molecule 10: 50S ribosomal protein L14



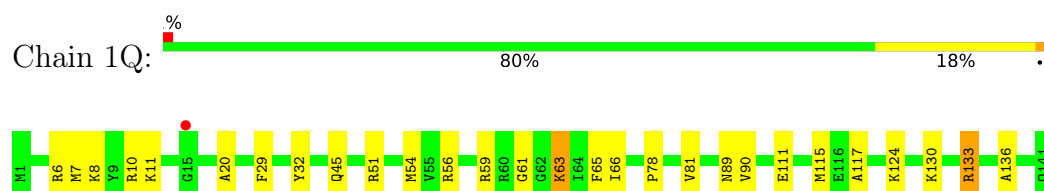
• Molecule 11: 50S ribosomal protein L15



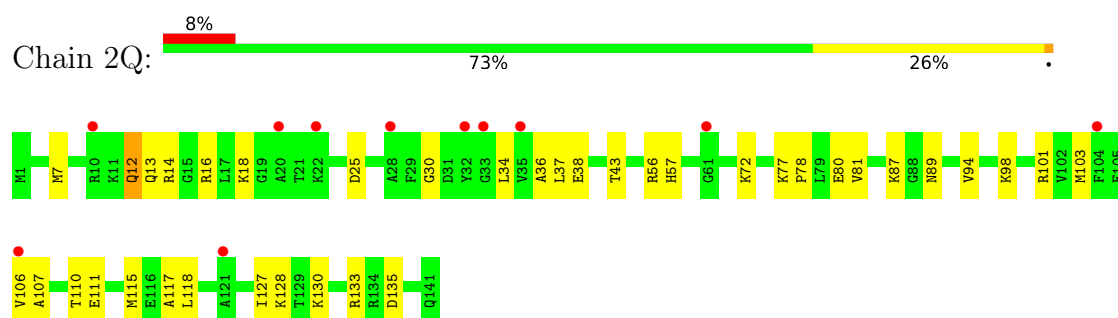
- Molecule 11: 50S ribosomal protein L15



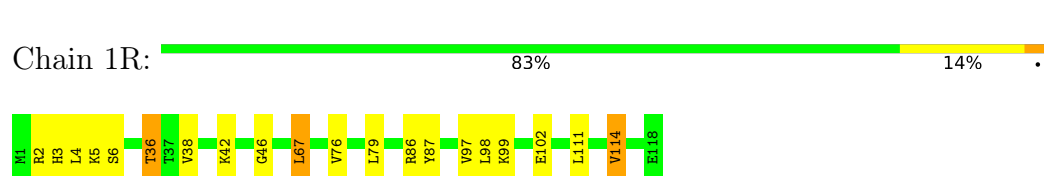
- Molecule 12: 50S ribosomal protein L16



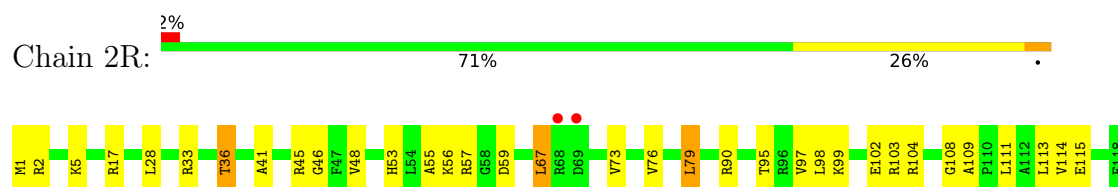
- Molecule 12: 50S ribosomal protein L16



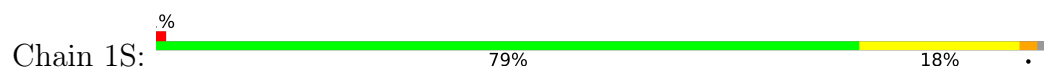
- Molecule 13: 50S ribosomal protein L17

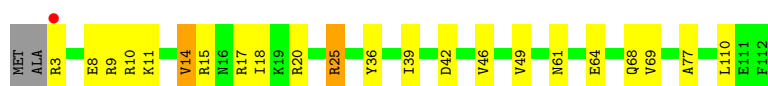


- Molecule 13: 50S ribosomal protein L17

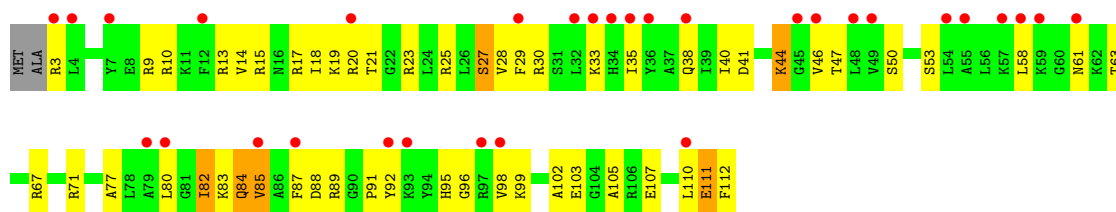


- Molecule 14: 50S ribosomal protein L18

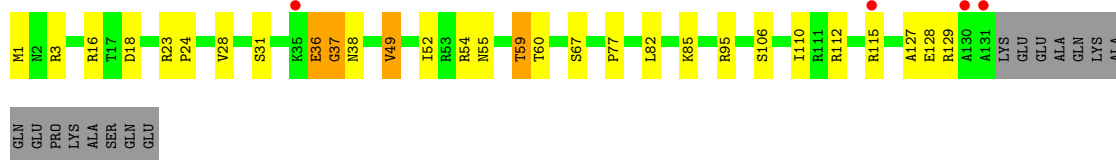
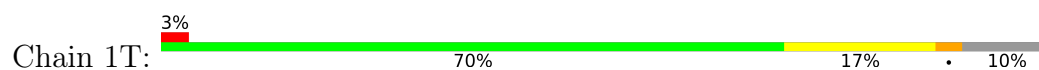




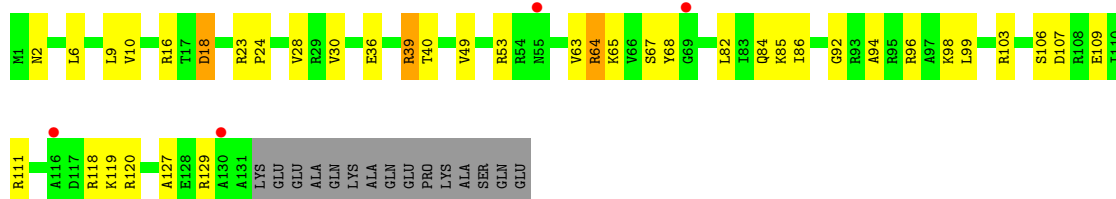
- Molecule 14: 50S ribosomal protein L18



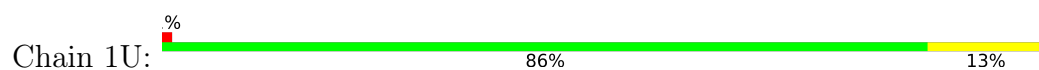
- Molecule 15: 50S ribosomal protein L19



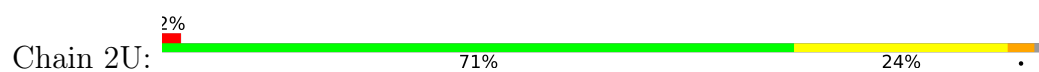
- Molecule 15: 50S ribosomal protein L19



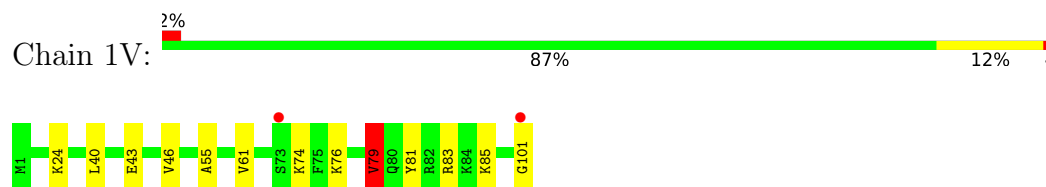
- Molecule 16: 50S ribosomal protein L20



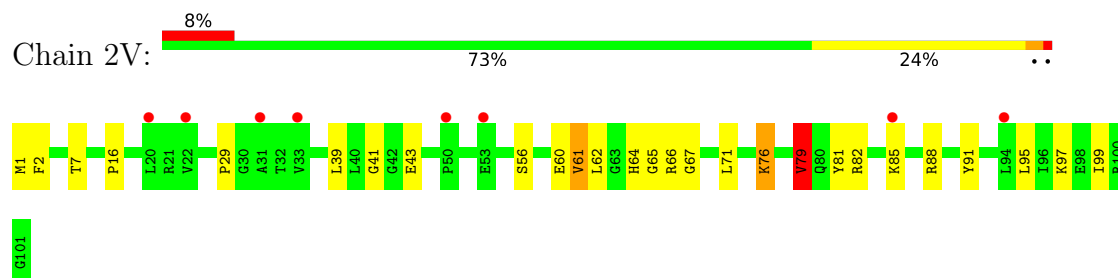
- Molecule 16: 50S ribosomal protein L20



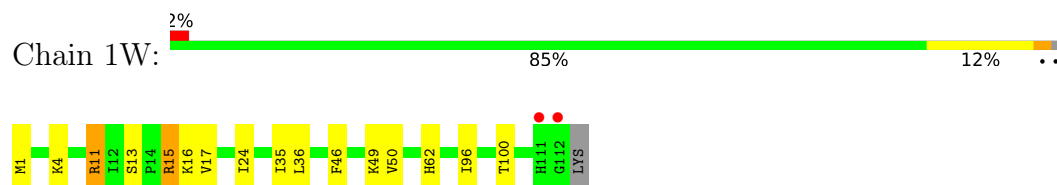
- Molecule 17: 50S ribosomal protein L21



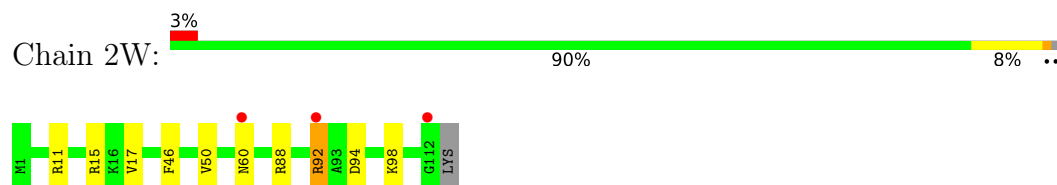
- Molecule 17: 50S ribosomal protein L21



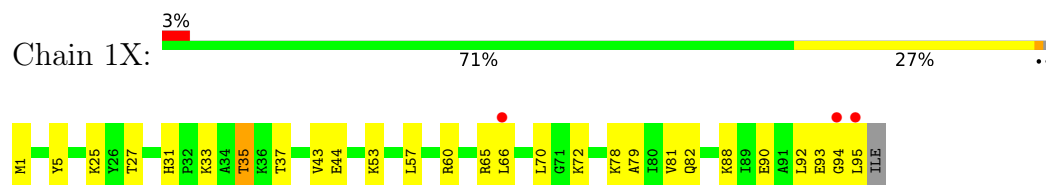
- Molecule 18: 50S ribosomal protein L22



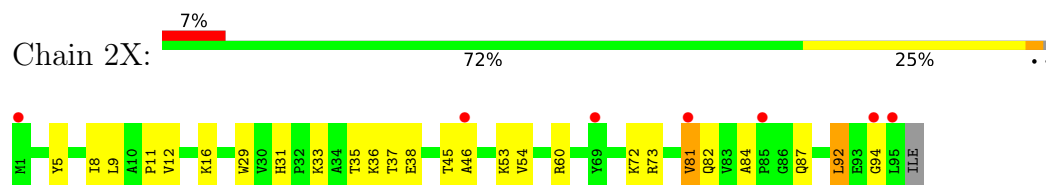
- Molecule 18: 50S ribosomal protein L22



- Molecule 19: 50S ribosomal protein L23

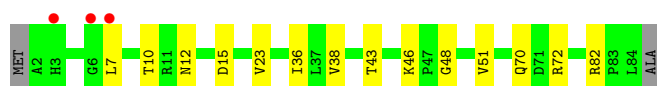


- Molecule 19: 50S ribosomal protein L23

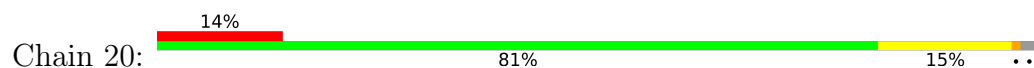


- Molecule 20: 50S ribosomal protein L24

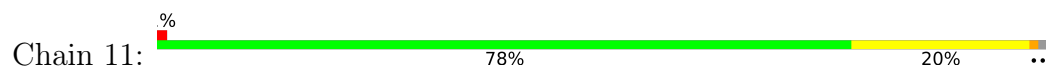




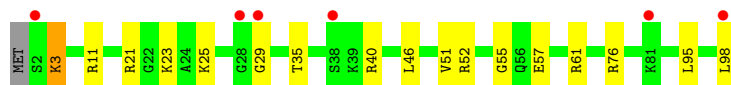
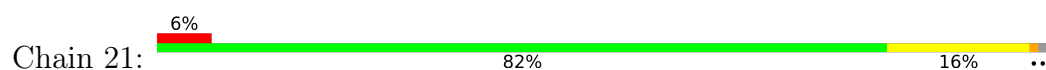
- Molecule 22: 50S ribosomal protein L27



- Molecule 23: 50S ribosomal protein L28



- Molecule 23: 50S ribosomal protein L28



- Molecule 24: 50S ribosomal protein L29



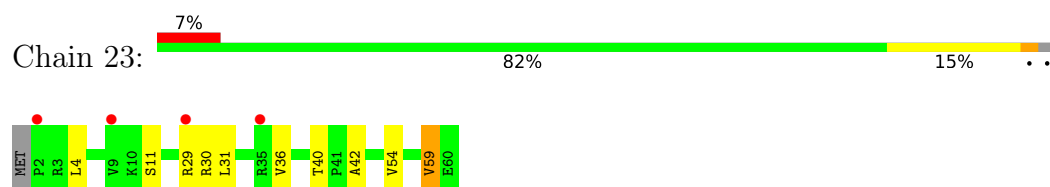
- Molecule 24: 50S ribosomal protein L29



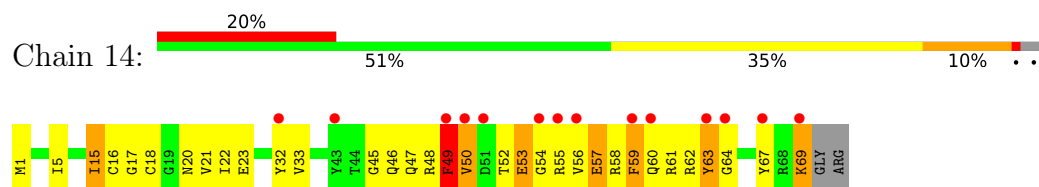
- Molecule 25: 50S ribosomal protein L30



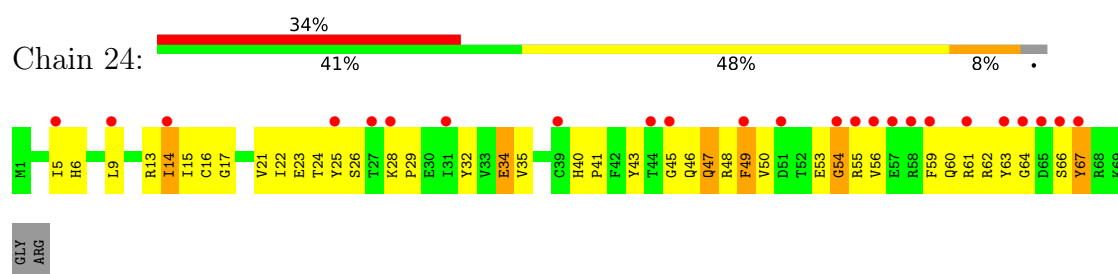
- Molecule 25: 50S ribosomal protein L30



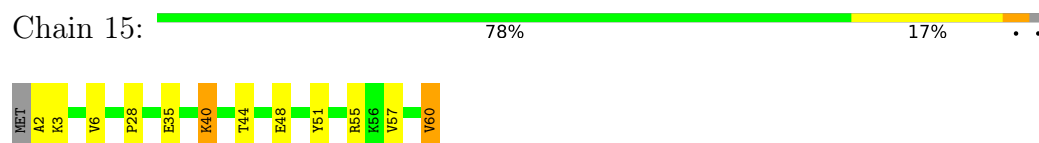
- Molecule 26: 50S ribosomal protein L31



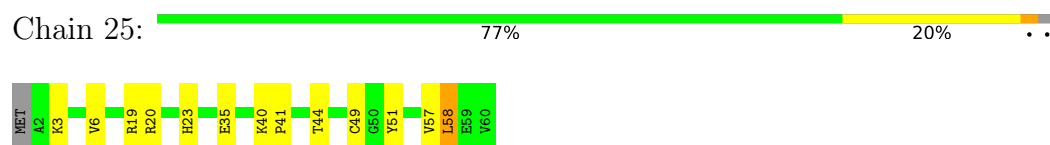
- Molecule 26: 50S ribosomal protein L31



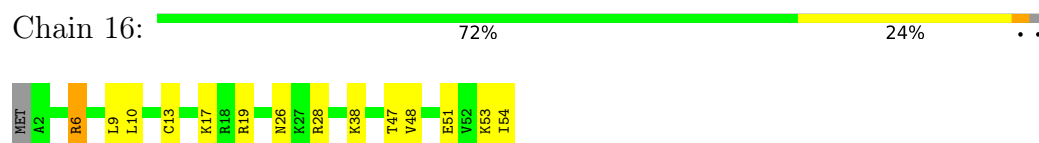
- Molecule 27: 50S ribosomal protein L32



- Molecule 27: 50S ribosomal protein L32

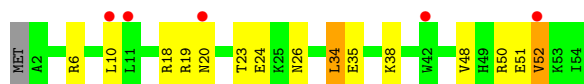


- Molecule 28: 50S ribosomal protein L33

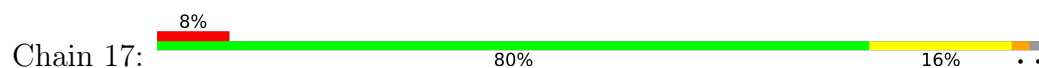


- Molecule 28: 50S ribosomal protein L33

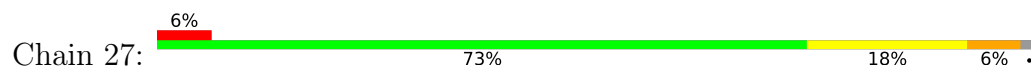




- Molecule 29: 50S ribosomal protein L34



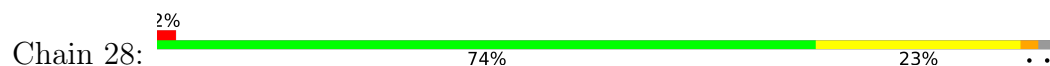
- Molecule 29: 50S ribosomal protein L34



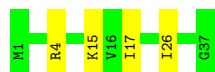
- Molecule 30: 50S ribosomal protein L35



- Molecule 30: 50S ribosomal protein L35



- Molecule 31: 50S ribosomal protein L36



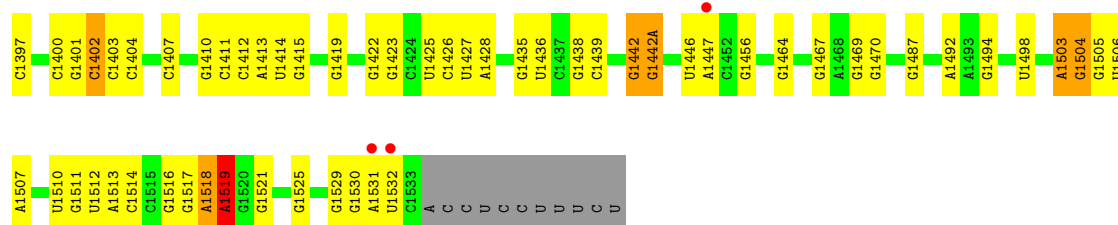
- Molecule 31: 50S ribosomal protein L36



- Molecule 32: 16S Ribosomal RNA

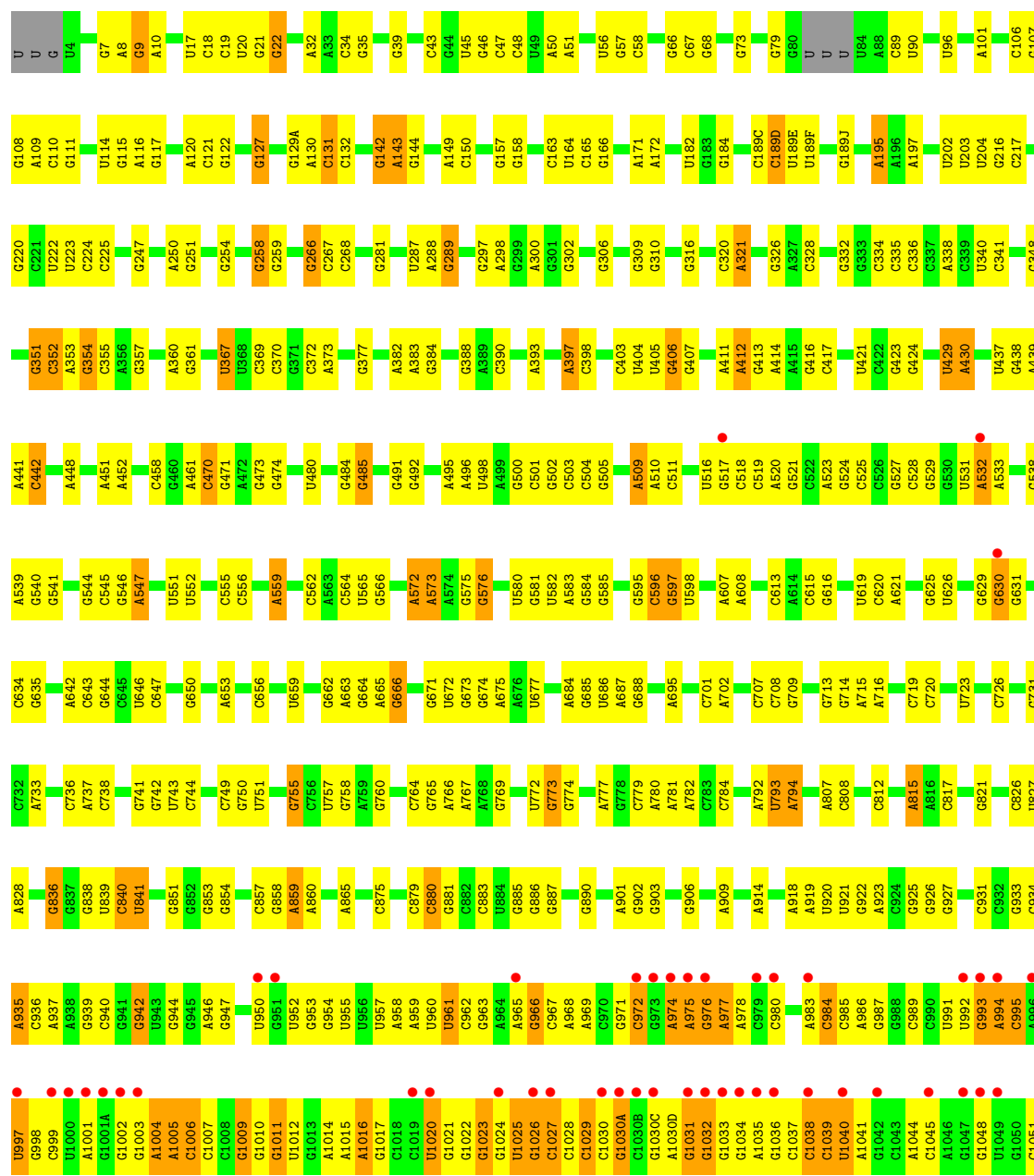


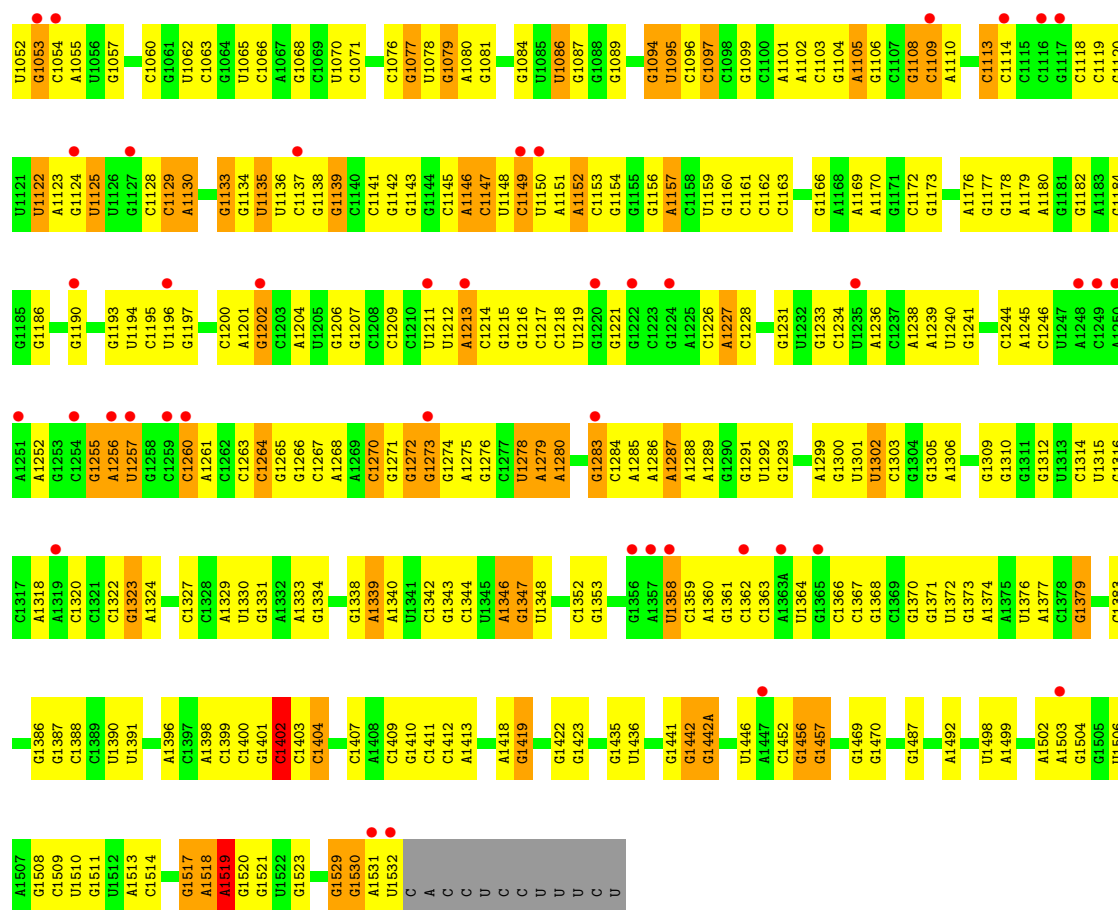




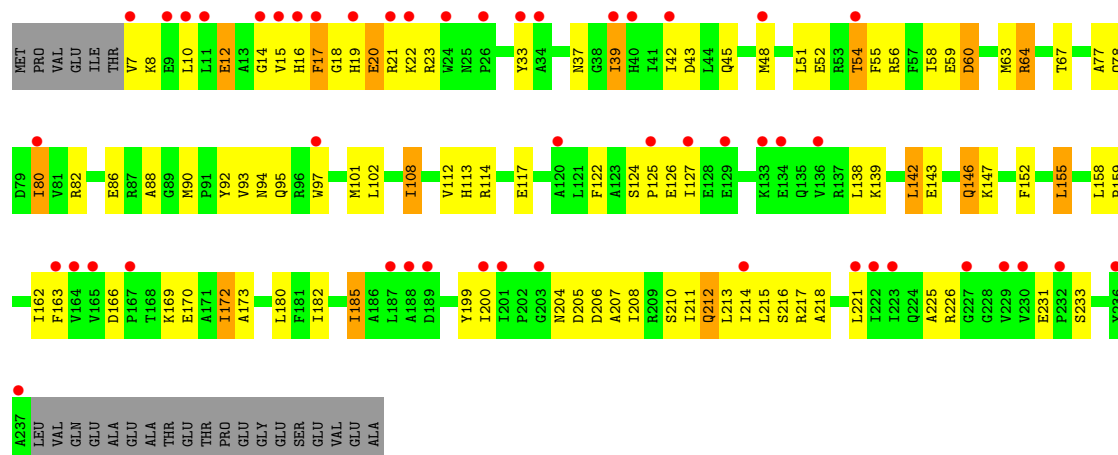
• Molecule 32: 16S Ribosomal RNA

Chain 2a: 6% 51% 39% 9%



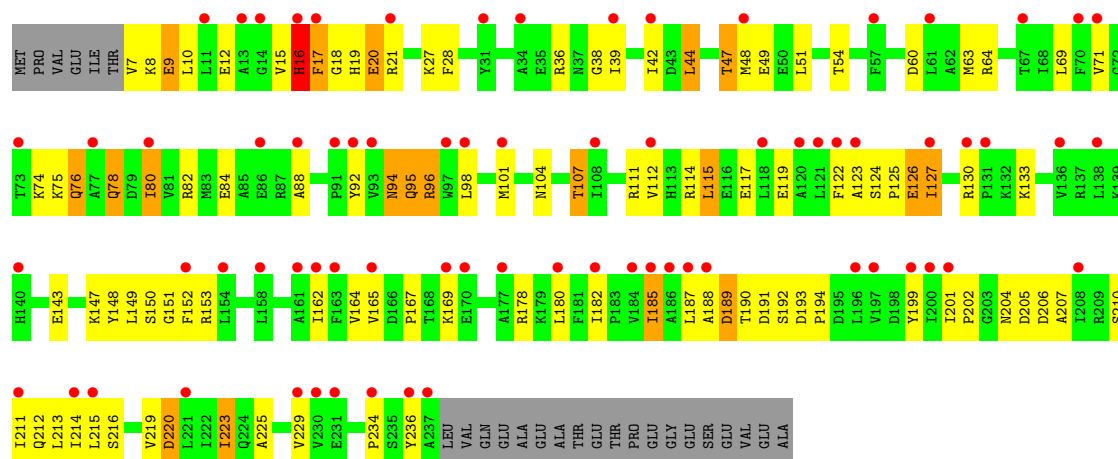


• Molecule 33: 30S ribosomal protein S2

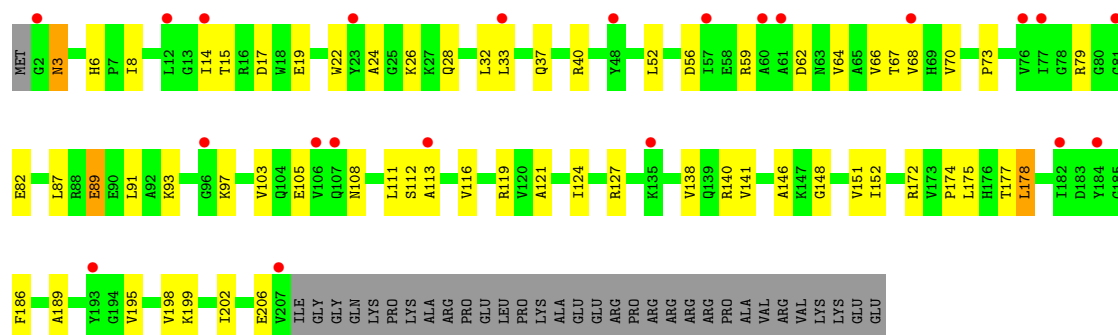


• Molecule 33: 30S ribosomal protein S2

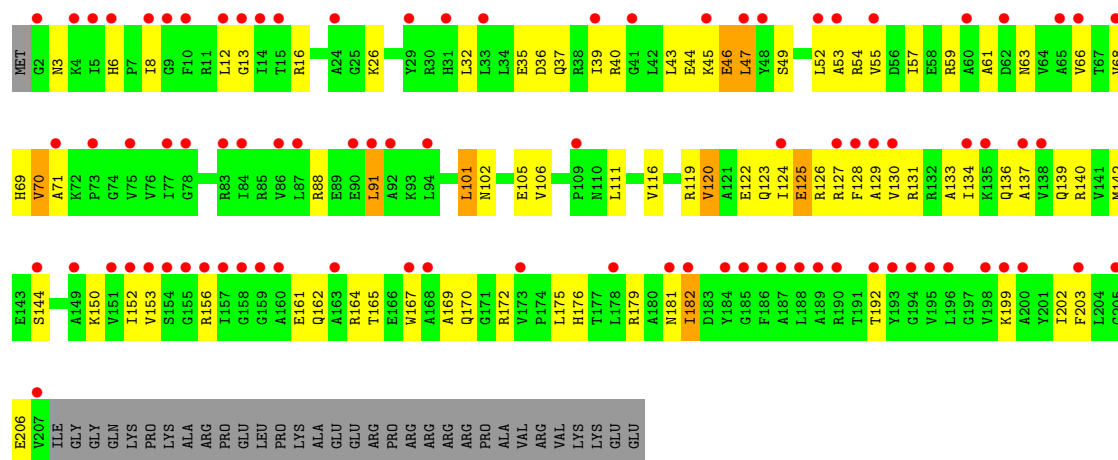




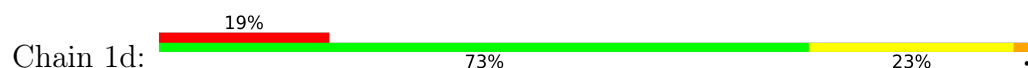
• Molecule 34: 30S ribosomal protein S3

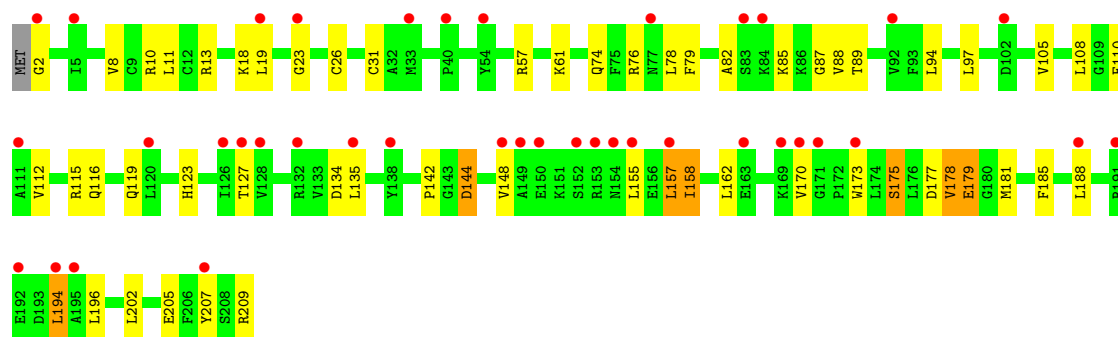


• Molecule 34: 30S ribosomal protein S3

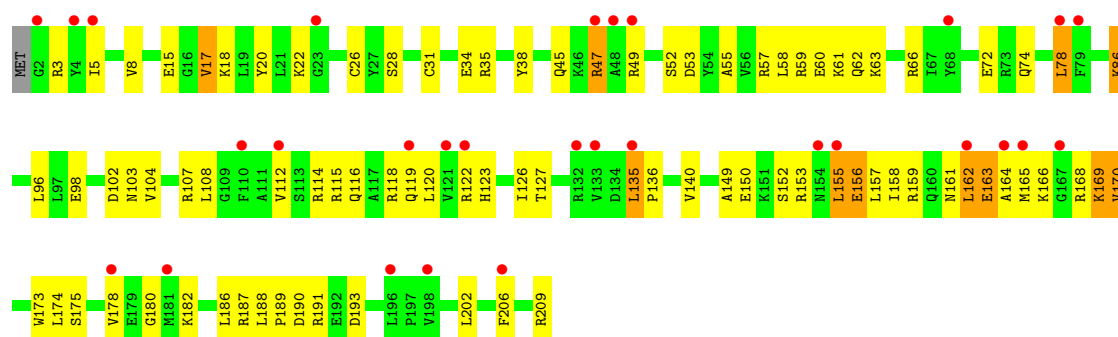


• Molecule 35: 30S ribosomal protein S4

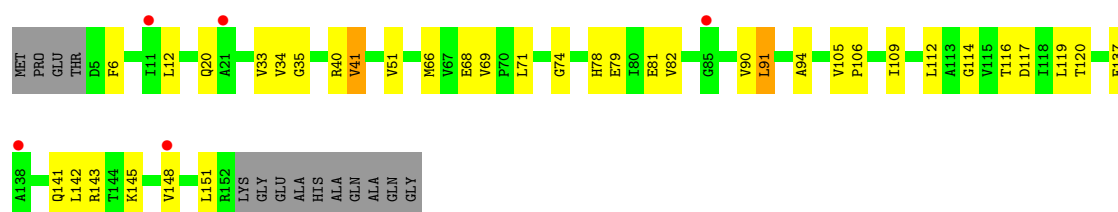




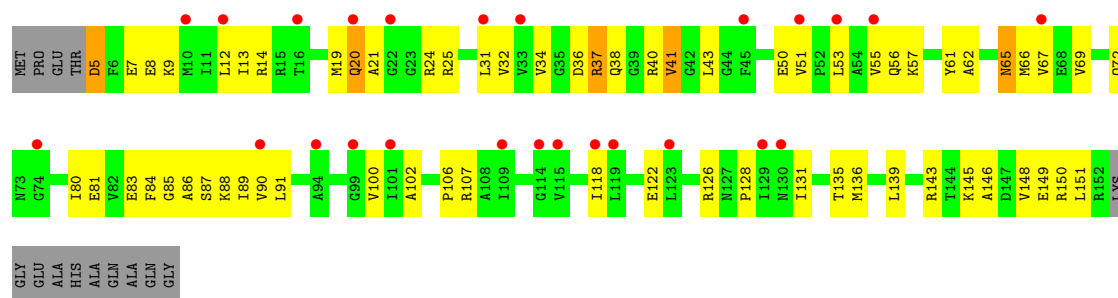
• Molecule 35: 30S ribosomal protein S4



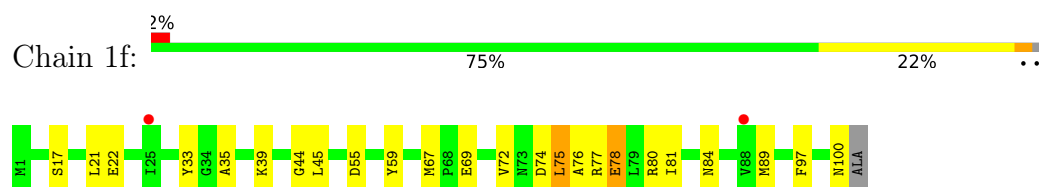
• Molecule 36: 30S ribosomal protein S5



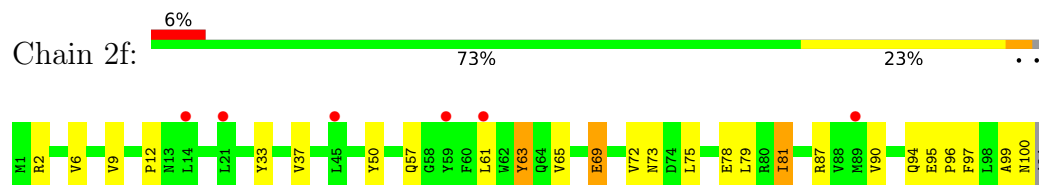
• Molecule 36: 30S ribosomal protein S5



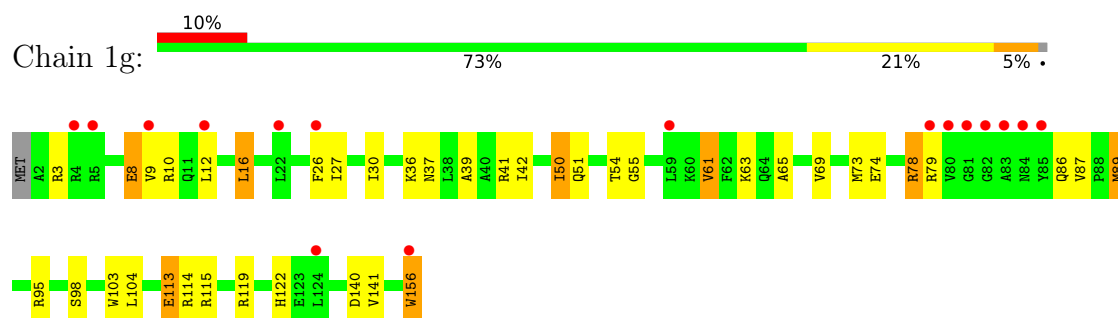
• Molecule 37: 30S ribosomal protein S6



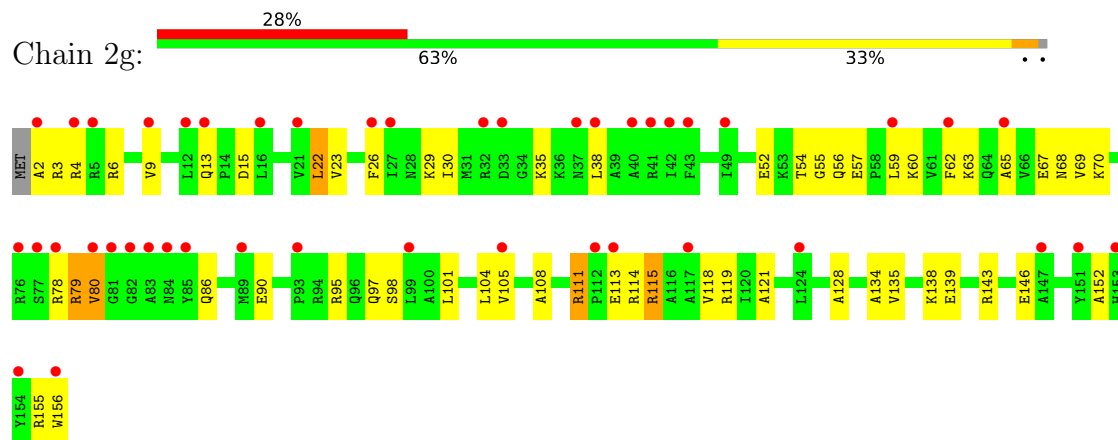
• Molecule 37: 30S ribosomal protein S6



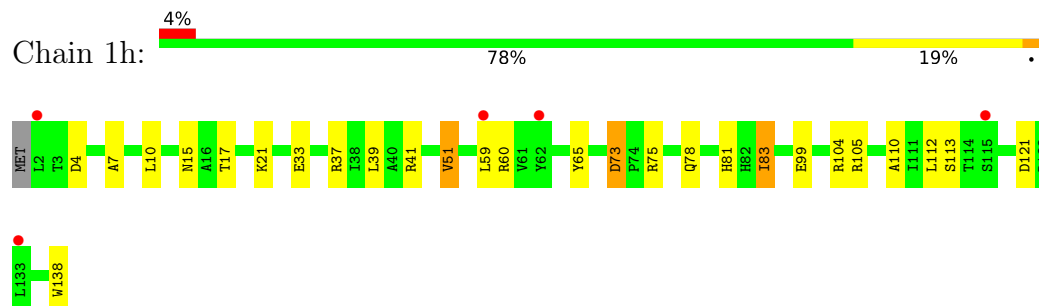
• Molecule 38: 30S ribosomal protein S7



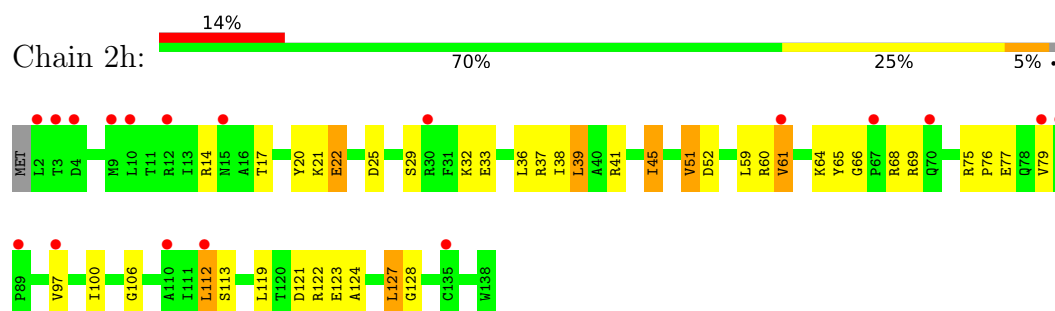
• Molecule 38: 30S ribosomal protein S7



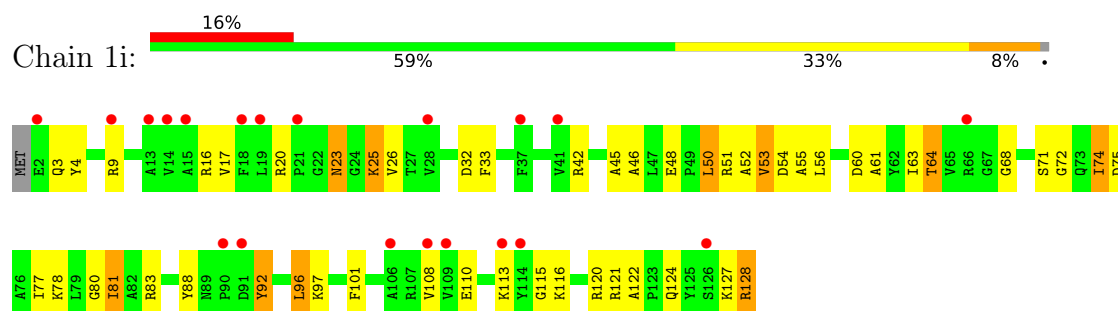
• Molecule 39: 30S ribosomal protein S8



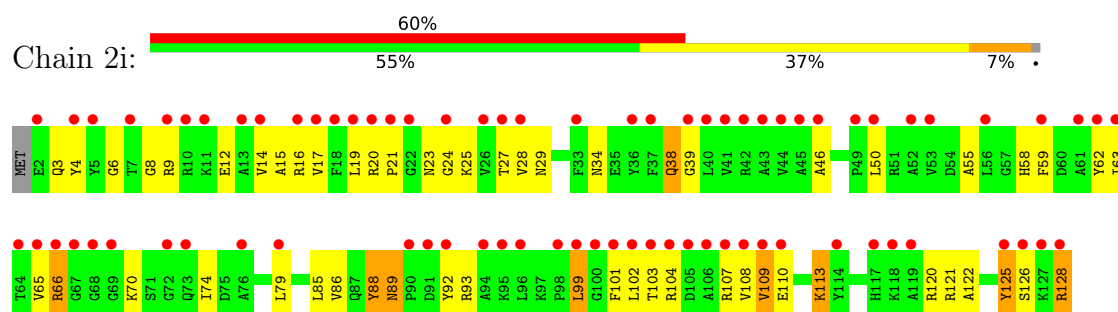
- Molecule 39: 30S ribosomal protein S8



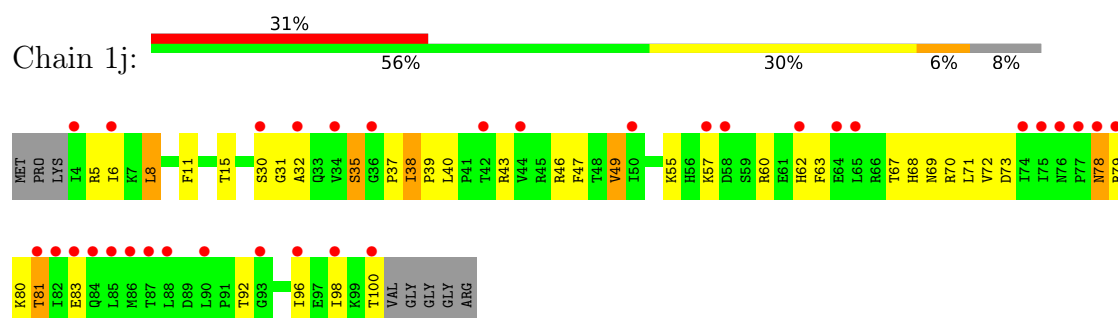
- Molecule 40: 30S ribosomal protein S9



- Molecule 40: 30S ribosomal protein S9

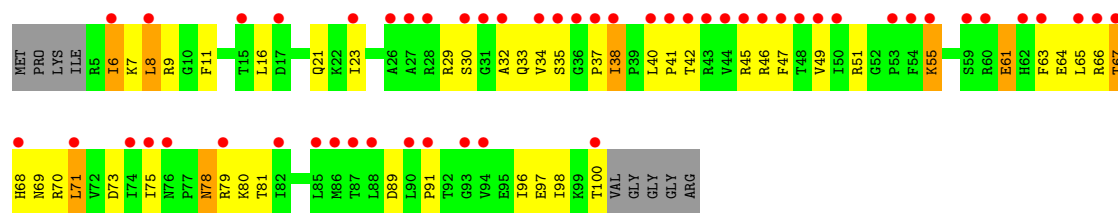


- Molecule 41: 30S ribosomal protein S10



- Molecule 41: 30S ribosomal protein S10

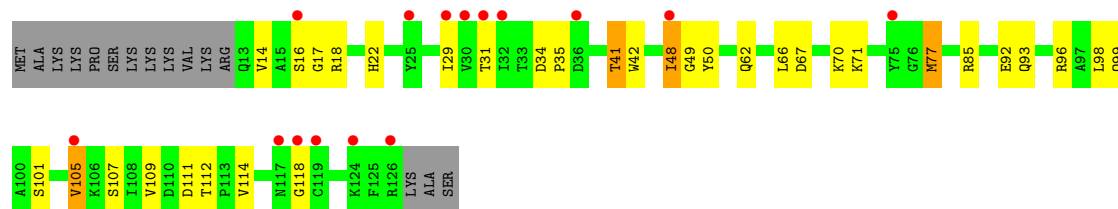




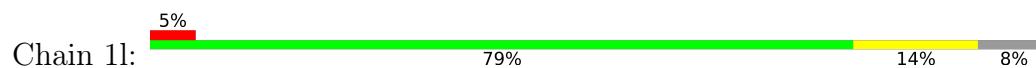
• Molecule 42: 30S ribosomal protein S11



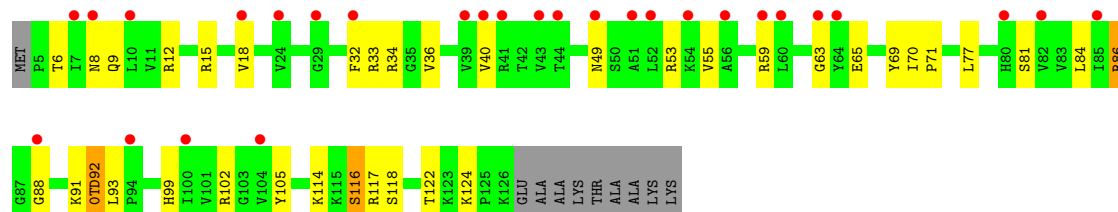
• Molecule 42: 30S ribosomal protein S11



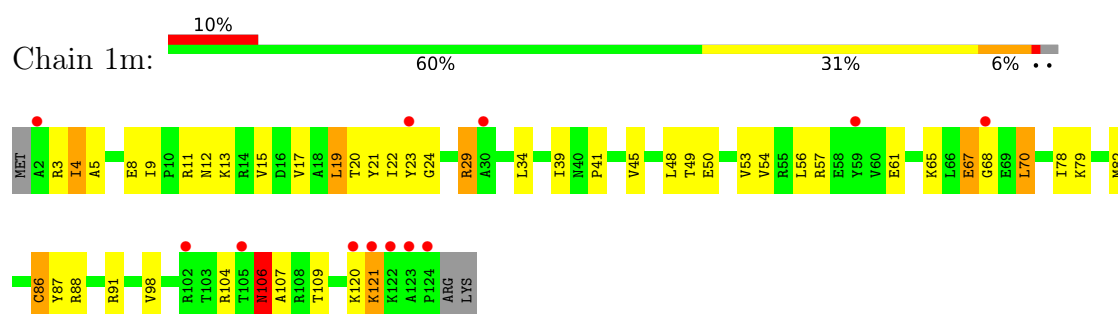
• Molecule 43: 30S ribosomal protein S12



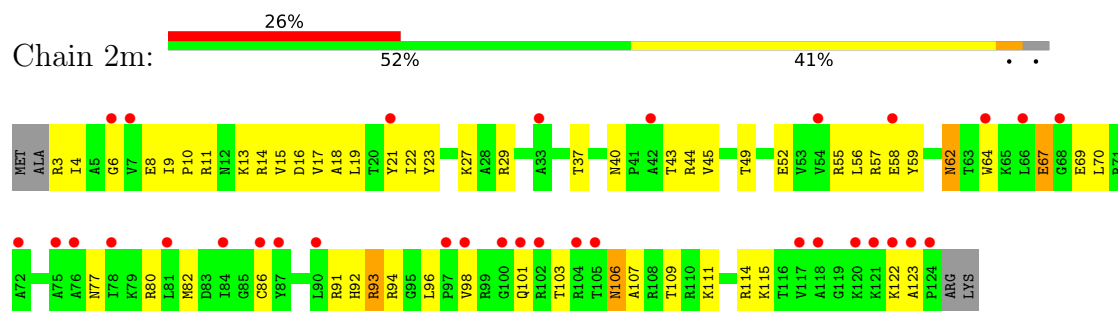
• Molecule 43: 30S ribosomal protein S12



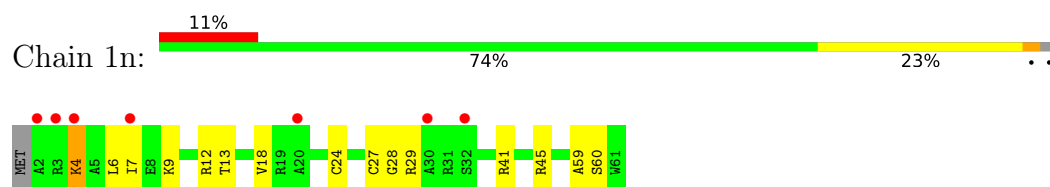
• Molecule 44: 30S ribosomal protein S13



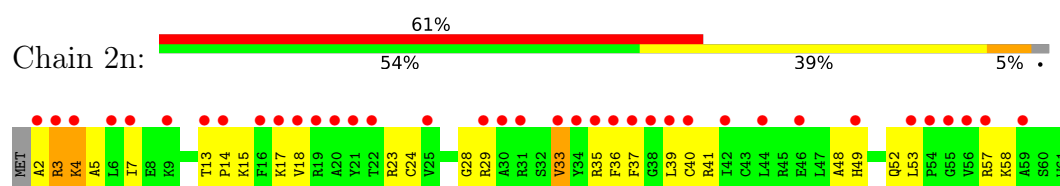
• Molecule 44: 30S ribosomal protein S13



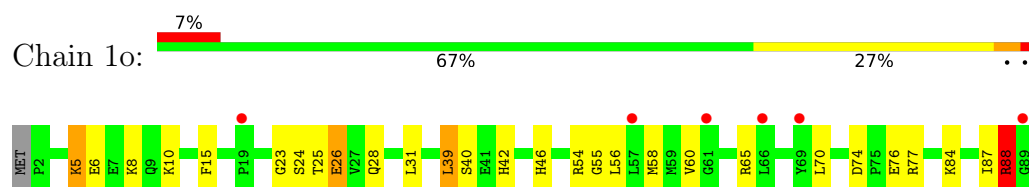
• Molecule 45: 30S ribosomal protein S14 type Z



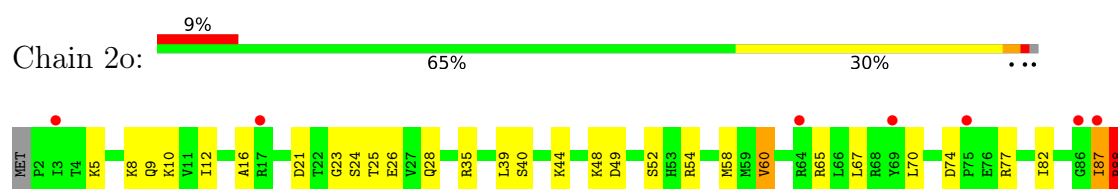
• Molecule 45: 30S ribosomal protein S14 type Z



• Molecule 46: 30S ribosomal protein S15

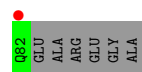


• Molecule 46: 30S ribosomal protein S15

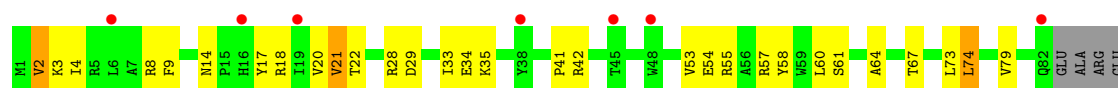




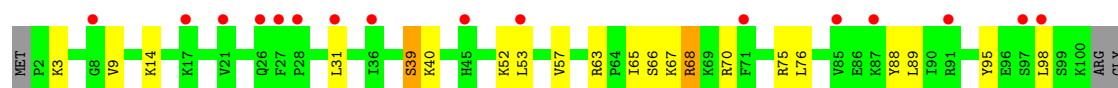
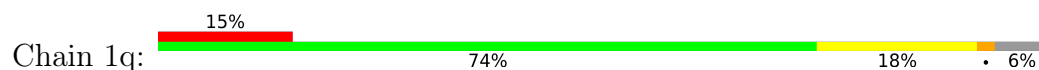
- Molecule 47: 30S ribosomal protein S16



- Molecule 47: 30S ribosomal protein S16



- Molecule 48: 30S ribosomal protein S17



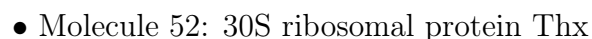
- Molecule 48: 30S ribosomal protein S17



- Molecule 49: 30S ribosomal protein S18

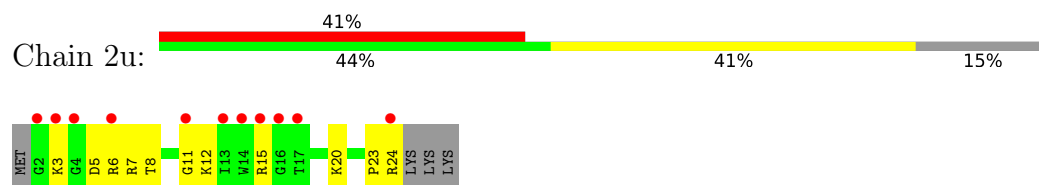


- Molecule 49: 30S ribosomal protein S18

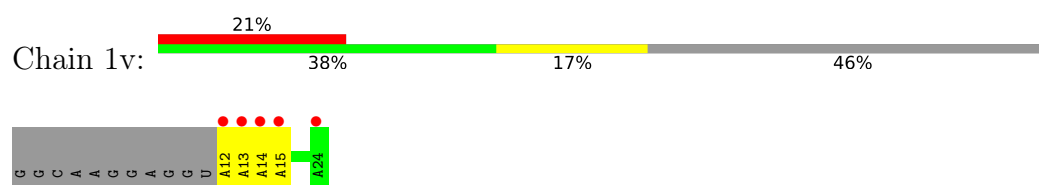




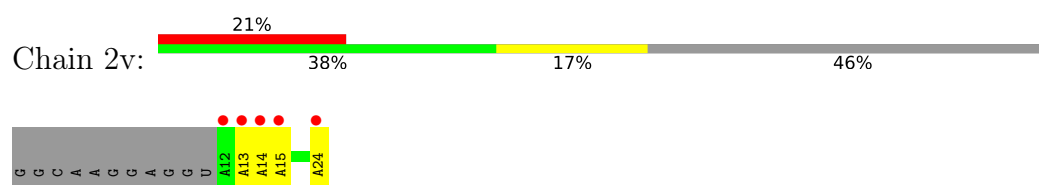
- Molecule 52: 30S ribosomal protein Thx



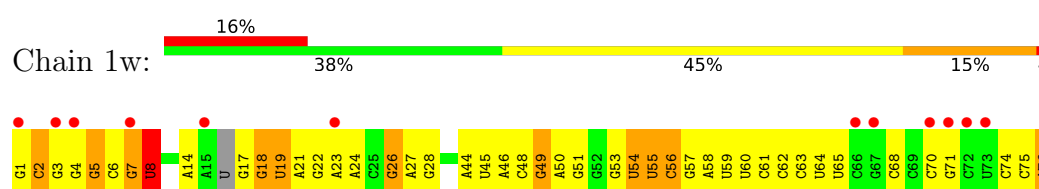
- Molecule 53: MG-mRNA



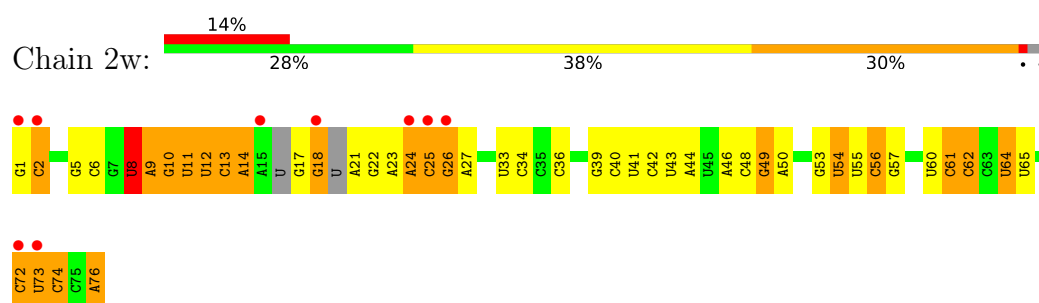
- Molecule 53: MG-mRNA



- Molecule 54: A-site Aminoacyl-tRNA Gly-NH-tRNAgly

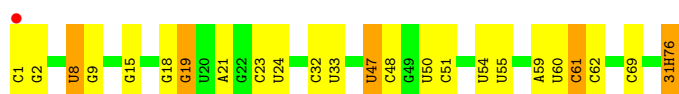


- Molecule 54: A-site Aminoacyl-tRNA Gly-NH-tRNAgly



- Molecule 55: P-site Aminoacyl-tRNA fMet-NH-tRNAmet

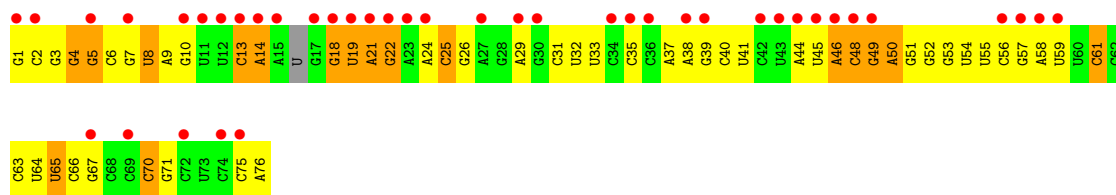




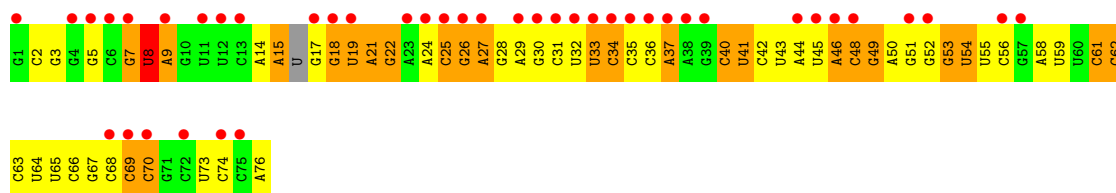
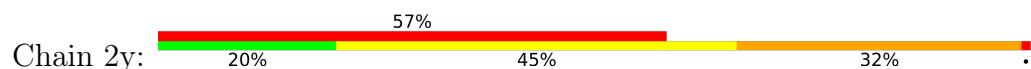
- Molecule 55: P-site Aminoacyl-tRNA fMet-NH-tRNA^{Met}



- Molecule 56: E-site Deacylated tRNA^{Gly}



- Molecule 56: E-site Deacylated tRNA^{Gly}



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	210.17Å 450.98Å 624.13Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	153.74 – 2.55 153.74 – 2.55	Depositor EDS
% Data completeness (in resolution range)	99.4 (153.74-2.55) 99.4 (153.74-2.55)	Depositor EDS
R_{merge}	0.17	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.23 (at 2.55Å)	Xtriage
Refinement program	PHENIX 1.8.2	Depositor
R, R_{free}	0.223 , 0.268 0.223 , 0.267	Depositor DCC
R_{free} test set	94751 reflections (4.99%)	wwPDB-VP
Wilson B-factor (Å ²)	57.3	Xtriage
Anisotropy	0.141	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.33 , 63.3	EDS
L-test for twinning ²	$\langle L \rangle = 0.41$, $\langle L^2 \rangle = 0.23$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.92	EDS
Total number of atoms	300046	wwPDB-VP
Average B, all atoms (Å ²)	62.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.74% 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: PSU, 2MA, OMC, CLM, L3X, SF4, 5MU, 5MC, 2MG, K, MA6, M2G, 4SU, MG, G7M, UR3, ZN, OMU, 0TD, 31H, OMG, 4OC

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	0.27	0/69011	0.47	2/107720 (0.0%)
1	2A	0.21	1/67295 (0.0%)	0.41	2/105042 (0.0%)
2	1B	0.21	0/2882	0.40	0/4494
2	2B	0.18	0/2879	0.35	0/4487
3	1D	0.26	0/2186	0.49	0/2944
3	2D	0.21	0/2186	0.47	0/2944
4	1E	0.26	0/1592	0.51	0/2149
4	2E	0.21	0/1592	0.43	0/2149
5	1F	0.26	0/1618	0.46	0/2191
5	2F	0.19	0/1614	0.45	2/2186 (0.1%)
6	1G	0.20	0/1448	0.43	0/1957
6	2G	0.20	0/1453	0.43	0/1963
7	1H	0.21	0/1356	0.42	0/1834
7	2H	0.18	0/1356	0.40	0/1834
8	1I	0.19	0/1112	0.43	0/1514
8	2I	0.19	0/1079	0.41	0/1475
9	1N	0.26	0/1144	0.47	0/1543
9	2N	0.18	0/1144	0.41	0/1543
10	1O	0.25	0/943	0.44	0/1269
10	2O	0.19	0/943	0.44	0/1269
11	1P	0.26	0/1152	0.55	0/1533
11	2P	0.21	0/1152	0.51	0/1533
12	1Q	0.25	0/1143	0.47	0/1527
12	2Q	0.22	0/1143	0.46	0/1527
13	1R	0.28	0/982	0.49	0/1312
13	2R	0.20	0/982	0.44	0/1312
14	1S	0.21	0/883	0.47	0/1176
14	2S	0.21	0/880	0.45	0/1172
15	1T	0.26	0/1105	0.50	0/1477
15	2T	0.21	0/1097	0.43	0/1468
16	1U	0.28	0/977	0.46	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2U	0.19	0/977	0.39	0/1301
17	1V	0.25	0/782	0.48	0/1049
17	2V	0.18	0/782	0.41	0/1049
18	1W	0.27	0/897	0.45	0/1205
18	2W	0.21	0/897	0.43	0/1205
19	1X	0.26	0/764	0.53	0/1025
19	2X	0.21	0/764	0.49	2/1025 (0.2%)
20	1Y	0.22	0/819	0.49	0/1095
20	2Y	0.20	0/819	0.46	0/1095
21	1Z	0.21	0/1267	0.46	0/1717
21	2Z	0.22	0/1299	0.47	0/1763
22	10	0.27	0/662	0.49	0/881
22	20	0.19	0/662	0.44	0/881
23	11	0.22	0/762	0.43	0/1014
23	21	0.21	0/762	0.41	0/1014
24	12	0.24	0/590	0.44	0/781
24	22	0.17	0/590	0.35	0/781
25	13	0.26	0/474	0.47	0/635
25	23	0.17	0/469	0.39	0/630
26	14	0.25	0/565	0.60	0/761
26	24	0.24	0/545	0.58	2/737 (0.3%)
27	15	0.26	0/469	0.52	0/635
27	25	0.23	0/469	0.41	0/635
28	16	0.25	0/460	0.46	0/613
28	26	0.20	0/456	0.43	0/608
29	17	0.30	0/426	0.52	0/561
29	27	0.25	0/426	0.47	0/561
30	18	0.25	0/525	0.46	0/691
30	28	0.19	0/525	0.39	0/691
31	19	0.25	0/310	0.45	0/407
31	29	0.19	0/310	0.44	0/407
32	1a	0.19	0/35795	0.39	1/55864 (0.0%)
32	2a	0.19	0/35886	0.38	0/56005
33	1b	0.20	0/1881	0.47	0/2542
33	2b	0.23	0/1860	0.51	0/2518
34	1c	0.20	0/1572	0.39	0/2126
34	2c	0.22	0/1566	0.44	0/2119
35	1d	0.18	0/1685	0.42	0/2262
35	2d	0.19	0/1704	0.44	0/2284
36	1e	0.20	0/1145	0.47	0/1543
36	2e	0.19	0/1149	0.46	0/1548
37	1f	0.18	0/823	0.37	0/1115
37	2f	0.19	0/829	0.42	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1g	0.18	0/1250	0.38	0/1679
38	2g	0.19	0/1254	0.40	0/1683
39	1h	0.18	0/1108	0.40	0/1494
39	2h	0.18	0/1108	0.40	0/1494
40	1i	0.19	0/1002	0.47	0/1346
40	2i	0.21	0/997	0.47	0/1343
41	1j	0.18	0/722	0.45	0/982
41	2j	0.22	0/727	0.47	0/988
42	1k	0.21	0/844	0.48	0/1145
42	2k	0.17	0/848	0.39	0/1149
43	1l	0.21	0/937	0.40	0/1260
43	2l	0.21	0/937	0.48	1/1260 (0.1%)
44	1m	0.19	0/969	0.46	0/1302
44	2m	0.20	0/961	0.48	0/1291
45	1n	0.20	0/501	0.42	0/664
45	2n	0.21	0/501	0.45	0/664
46	1o	0.19	0/739	0.37	0/985
46	2o	0.17	0/739	0.42	0/985
47	1p	0.20	0/697	0.47	0/939
47	2p	0.18	0/693	0.45	0/935
48	1q	0.18	0/836	0.44	0/1117
48	2q	0.17	0/836	0.44	0/1117
49	1r	0.19	0/560	0.46	0/746
49	2r	0.20	0/560	0.40	0/746
50	1s	0.20	0/667	0.49	0/900
50	2s	0.24	0/661	0.58	0/893
51	1t	0.20	0/730	0.49	0/965
51	2t	0.20	0/729	0.43	0/965
52	1u	0.19	0/203	0.43	0/266
52	2u	0.20	0/203	0.47	0/266
53	1v	0.20	0/322	0.33	0/501
53	2v	0.20	0/322	0.33	0/501
54	1w	0.27	1/1639 (0.1%)	0.41	0/2548
54	2w	0.27	0/1616	0.43	0/2510
55	1x	0.26	0/1723	0.41	0/2684
55	2x	0.24	0/1723	0.39	0/2684
56	1y	0.29	1/1664 (0.1%)	0.43	0/2587
56	2y	0.30	1/1664 (0.1%)	0.43	0/2587
All	All	0.22	4/316940 (0.0%)	0.43	12/474518 (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
51	1t	0	1

All (4) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
56	2y	8	4SU	O3'-P	5.50	1.61	1.56
54	1w	8	4SU	O3'-P	5.22	1.61	1.56
56	1y	8	4SU	O3'-P	5.18	1.61	1.56
1	2A	2552	OMU	O3'-P	5.05	1.61	1.56

The worst 5 of 12 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2A	1992	G	C2'-C3'-O3'	6.55	119.33	109.50
1	1A	1992	G	C2'-C3'-O3'	6.27	118.91	109.50
26	24	56	VAL	N-CA-C	-5.96	106.69	112.29
26	24	54	GLY	N-CA-C	-5.82	106.93	115.30
43	2l	63	GLY	N-CA-C	-5.40	108.65	115.08

There are no chirality outliers.

All (1) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
51	1t	99	LEU	Peptide

5.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61852	0	31195	563	0
1	2A	60322	0	30428	638	0
2	1B	2577	0	1305	16	0
2	2B	2575	0	1303	36	0
3	1D	2136	0	2218	33	0
3	2D	2136	0	2218	44	0
4	1E	1559	0	1618	18	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
4	2E	1559	0	1618	30	0
5	1F	1583	0	1625	28	0
5	2F	1579	0	1619	43	0
6	1G	1423	0	1436	31	0
6	2G	1428	0	1438	55	0
7	1H	1330	0	1407	30	0
7	2H	1330	0	1407	27	0
8	1I	1097	0	1140	35	0
8	2I	1064	0	1082	34	1
9	1N	1117	0	1184	12	0
9	2N	1117	0	1184	21	0
10	1O	933	0	996	14	0
10	2O	933	0	996	20	0
11	1P	1135	0	1212	29	0
11	2P	1135	0	1212	33	0
12	1Q	1122	0	1179	22	0
12	2Q	1122	0	1179	26	0
13	1R	968	0	1033	12	0
13	2R	968	0	1033	20	0
14	1S	873	0	927	16	0
14	2S	870	0	923	39	0
15	1T	1091	0	1151	16	0
15	2T	1083	0	1136	26	0
16	1U	959	0	1019	10	0
16	2U	959	0	1019	24	0
17	1V	771	0	830	8	0
17	2V	771	0	830	19	0
18	1W	886	0	940	8	0
18	2W	886	0	940	6	0
19	1X	750	0	814	19	0
19	2X	750	0	814	20	0
20	1Y	806	0	881	19	0
20	2Y	806	0	881	18	0
21	1Z	1240	0	1240	29	0
21	2Z	1271	0	1273	45	0
22	10	653	0	674	16	0
22	20	653	0	674	12	0
23	11	755	0	826	15	0
23	21	755	0	826	11	0
24	12	588	0	643	13	0
24	22	588	0	643	14	0
25	13	469	0	518	10	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
25	23	464	0	514	6	0
26	14	552	0	533	23	0
26	24	532	0	503	38	0
27	15	455	0	465	8	0
27	25	455	0	465	8	0
28	16	453	0	473	10	0
28	26	449	0	469	10	0
29	17	418	0	467	8	0
29	27	418	0	467	9	0
30	18	517	0	582	14	0
30	28	517	0	582	14	0
31	19	307	0	335	2	0
31	29	307	0	335	9	0
32	1a	32246	0	16293	394	1
32	2a	32327	0	16338	528	0
33	1b	1846	0	1867	64	0
33	2b	1825	0	1828	77	0
34	1c	1548	0	1535	39	0
34	2c	1542	0	1517	59	0
35	1d	1655	0	1672	39	0
35	2d	1674	0	1714	60	0
36	1e	1129	0	1185	20	0
36	2e	1133	0	1191	45	0
37	1f	810	0	804	15	0
37	2f	816	0	808	21	0
38	1g	1231	0	1238	25	0
38	2g	1235	0	1249	38	0
39	1h	1088	0	1126	17	0
39	2h	1088	0	1126	27	0
40	1i	983	0	986	34	0
40	2i	978	0	966	44	0
41	1j	709	0	650	21	0
41	2j	714	0	672	30	0
42	1k	829	0	825	15	0
42	2k	833	0	836	18	0
43	1l	932	0	980	9	0
43	2l	932	0	980	21	0
44	1m	958	0	1002	34	0
44	2m	950	0	988	45	0
45	1n	492	0	529	9	0
45	2n	492	0	529	25	0
46	1o	728	0	760	21	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
46	2o	728	0	760	19	0
47	1p	681	0	697	25	0
47	2p	677	0	686	19	0
48	1q	823	0	891	13	0
48	2q	823	0	891	10	0
49	1r	555	0	618	14	0
49	2r	555	0	618	19	0
50	1s	652	0	662	21	0
50	2s	646	0	644	41	0
51	1t	728	0	798	20	0
51	2t	727	0	796	17	0
52	1u	199	0	208	6	0
52	2u	199	0	208	8	0
53	1v	286	0	142	1	0
53	2v	286	0	142	1	0
54	1w	1556	0	778	30	0
54	2w	1536	0	770	46	0
55	1x	1656	0	849	15	0
55	2x	1656	0	849	23	0
56	1y	1552	0	791	33	0
56	2y	1552	0	791	51	0
57	10	9	0	0	0	0
57	11	3	0	0	0	0
57	12	2	0	0	0	0
57	13	5	0	0	0	0
57	15	6	0	0	0	0
57	16	2	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	1095	0	0	0	0
57	1B	36	0	0	0	0
57	1D	13	0	0	0	0
57	1E	12	0	0	0	0
57	1F	15	0	0	0	0
57	1G	4	0	0	0	0
57	1I	1	0	0	0	0
57	1N	5	0	0	0	0
57	1O	5	0	0	0	0
57	1P	5	0	0	0	0
57	1Q	7	0	0	0	0
57	1R	7	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
57	1S	3	0	0	0	0
57	1T	3	0	0	0	0
57	1U	10	0	0	0	0
57	1V	7	0	0	0	0
57	1W	7	0	0	0	0
57	1X	7	0	0	0	0
57	1Y	3	0	0	0	0
57	1Z	3	0	0	0	0
57	1a	226	0	0	0	0
57	1b	2	0	0	0	0
57	1e	2	0	0	0	0
57	1f	2	0	0	0	0
57	1h	1	0	0	0	0
57	1l	2	0	0	0	0
57	1m	1	0	0	0	0
57	1n	2	0	0	0	0
57	1s	1	0	0	0	0
57	1t	1	0	0	0	0
57	1v	1	0	0	0	0
57	1w	7	0	0	0	0
57	1x	12	0	0	0	0
57	20	2	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	3	0	0	0	0
57	28	2	0	0	0	0
57	2A	861	0	0	0	0
57	2B	20	0	0	0	0
57	2D	5	0	0	0	0
57	2E	8	0	0	0	0
57	2F	7	0	0	0	0
57	2G	1	0	0	0	0
57	2N	1	0	0	0	0
57	2O	1	0	0	0	0
57	2P	2	0	0	0	0
57	2Q	3	0	0	0	0
57	2R	2	0	0	0	0
57	2T	4	0	0	0	0
57	2U	2	0	0	0	0
57	2V	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
57	2W	2	0	0	0	0
57	2X	1	0	0	0	0
57	2Y	1	0	0	0	0
57	2Z	1	0	0	0	0
57	2a	225	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	2i	1	0	0	0	0
57	2j	1	0	0	0	0
57	2k	1	0	0	0	0
57	2l	3	0	0	0	0
57	2q	2	0	0	0	0
57	2r	1	0	0	0	0
57	2t	1	0	0	0	0
57	2v	4	0	0	0	0
57	2w	4	0	0	0	0
57	2x	4	0	0	0	0
57	2y	1	0	0	0	0
58	1A	1	0	0	0	0
58	2A	1	0	0	0	0
59	1A	20	0	11	1	0
59	2A	20	0	11	0	0
60	14	1	0	0	0	0
60	15	1	0	0	0	0
60	16	1	0	0	0	0
60	19	1	0	0	0	0
60	1Y	1	0	0	0	0
60	1n	1	0	0	0	0
60	24	1	0	0	0	0
60	25	1	0	0	0	0
60	26	1	0	0	0	0
60	29	1	0	0	0	0
60	2Y	1	0	0	0	0
60	2n	1	0	0	0	0
61	1d	8	0	0	0	0
61	2d	8	0	0	1	0
62	10	12	0	0	1	0
62	11	10	0	0	1	0
62	12	3	0	0	1	0
62	13	6	0	0	0	0
62	14	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
62	15	6	0	0	0	0
62	16	5	0	0	0	0
62	17	9	0	0	1	0
62	18	10	0	0	0	0
62	1A	2086	0	0	75	0
62	1B	65	0	0	0	0
62	1D	28	0	0	0	0
62	1E	28	0	0	1	0
62	1F	17	0	0	1	0
62	1G	7	0	0	1	0
62	1H	2	0	0	0	0
62	1N	5	0	0	0	0
62	1O	6	0	0	0	0
62	1P	21	0	0	0	0
62	1Q	7	0	0	0	0
62	1R	7	0	0	0	0
62	1S	3	0	0	0	0
62	1T	9	0	0	0	0
62	1U	13	0	0	1	0
62	1V	9	0	0	0	0
62	1W	5	0	0	0	0
62	1X	6	0	0	1	0
62	1Y	3	0	0	1	0
62	1Z	1	0	0	0	0
62	1a	331	0	0	28	0
62	1b	1	0	0	0	0
62	1d	1	0	0	0	0
62	1e	1	0	0	0	0
62	1l	3	0	0	0	0
62	1m	2	0	0	1	0
62	1q	3	0	0	0	0
62	1u	1	0	0	1	0
62	1v	6	0	0	0	0
62	1w	9	0	0	2	0
62	1x	11	0	0	0	0
62	1y	1	0	0	0	0
62	20	1	0	0	0	0
62	21	8	0	0	0	0
62	23	2	0	0	0	0
62	25	3	0	0	0	0
62	27	5	0	0	0	0
62	28	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
62	29	1	0	0	0	0
62	2A	1147	0	0	73	0
62	2B	21	0	0	0	0
62	2D	18	0	0	0	0
62	2E	14	0	0	0	0
62	2F	12	0	0	0	0
62	2I	1	0	0	0	0
62	2N	2	0	0	0	0
62	2O	2	0	0	0	0
62	2P	10	0	0	1	0
62	2Q	1	0	0	0	0
62	2R	5	0	0	0	0
62	2T	3	0	0	0	0
62	2U	3	0	0	0	0
62	2W	4	0	0	0	0
62	2X	5	0	0	0	0
62	2Z	2	0	0	0	0
62	2a	205	0	0	21	0
62	2c	1	0	0	0	0
62	2i	1	0	0	0	0
62	2j	3	0	0	0	0
62	2l	4	0	0	1	0
62	2r	1	0	0	0	0
62	2t	2	0	0	0	0
62	2v	2	0	0	0	0
62	2w	1	0	0	0	0
62	2x	7	0	0	0	0
All	All	300046	0	196682	4057	1

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

The worst 5 of 4057 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	1.25	1.32
1:1A:1054:A:N6	1:1A:1105:U:H3	1.39	1.19
54:1w:50:A:N6	54:1w:64:U:H3	1.43	1.16
54:2w:8:4SU:HN3	54:2w:14:A:H62	1.08	1.02
1:1A:1082:U:O4	1:1A:1086:A:N1	1.95	0.98

All (1) symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
32:1a:368:U:O4	8:2I:82:ARG:NE[2_655]	2.18	0.02

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%)	256 (94%)	16 (6%)	1 (0%)	30	39
3	2D	273/276 (99%)	256 (94%)	16 (6%)	1 (0%)	30	39
4	1E	202/206 (98%)	192 (95%)	9 (4%)	1 (0%)	24	34
4	2E	202/206 (98%)	193 (96%)	8 (4%)	1 (0%)	24	34
5	1F	200/210 (95%)	193 (96%)	6 (3%)	1 (0%)	24	34
5	2F	200/210 (95%)	187 (94%)	12 (6%)	1 (0%)	24	34
6	1G	179/182 (98%)	166 (93%)	11 (6%)	2 (1%)	11	15
6	2G	179/182 (98%)	150 (84%)	25 (14%)	4 (2%)	5	5
7	1H	172/180 (96%)	162 (94%)	9 (5%)	1 (1%)	21	29
7	2H	172/180 (96%)	155 (90%)	17 (10%)	0	100	100
8	1I	144/148 (97%)	128 (89%)	15 (10%)	1 (1%)	18	25
8	2I	144/148 (97%)	120 (83%)	22 (15%)	2 (1%)	9	11
9	1N	138/140 (99%)	130 (94%)	8 (6%)	0	100	100
9	2N	138/140 (99%)	132 (96%)	6 (4%)	0	100	100
10	1O	120/122 (98%)	114 (95%)	6 (5%)	0	100	100
10	2O	120/122 (98%)	110 (92%)	9 (8%)	1 (1%)	16	22
11	1P	147/150 (98%)	133 (90%)	12 (8%)	2 (1%)	9	11
11	2P	147/150 (98%)	131 (89%)	12 (8%)	4 (3%)	4	3
12	1Q	139/141 (99%)	133 (96%)	6 (4%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
12	2Q	139/141 (99%)	127 (91%)	12 (9%)	0	100	100
13	1R	116/118 (98%)	110 (95%)	6 (5%)	0	100	100
13	2R	116/118 (98%)	112 (97%)	4 (3%)	0	100	100
14	1S	108/112 (96%)	104 (96%)	4 (4%)	0	100	100
14	2S	108/112 (96%)	100 (93%)	4 (4%)	4 (4%)	2	1
15	1T	129/146 (88%)	123 (95%)	4 (3%)	2 (2%)	7	9
15	2T	129/146 (88%)	122 (95%)	7 (5%)	0	100	100
16	1U	114/118 (97%)	114 (100%)	0	0	100	100
16	2U	114/118 (97%)	113 (99%)	1 (1%)	0	100	100
17	1V	99/101 (98%)	95 (96%)	2 (2%)	2 (2%)	6	6
17	2V	99/101 (98%)	93 (94%)	5 (5%)	1 (1%)	12	17
18	1W	110/113 (97%)	109 (99%)	1 (1%)	0	100	100
18	2W	110/113 (97%)	108 (98%)	2 (2%)	0	100	100
19	1X	93/96 (97%)	89 (96%)	3 (3%)	1 (1%)	11	15
19	2X	93/96 (97%)	89 (96%)	4 (4%)	0	100	100
20	1Y	105/110 (96%)	99 (94%)	5 (5%)	1 (1%)	12	17
20	2Y	105/110 (96%)	97 (92%)	8 (8%)	0	100	100
21	1Z	148/206 (72%)	133 (90%)	13 (9%)	2 (1%)	9	11
21	2Z	156/206 (76%)	119 (76%)	34 (22%)	3 (2%)	6	7
22	10	81/85 (95%)	78 (96%)	3 (4%)	0	100	100
22	20	81/85 (95%)	78 (96%)	3 (4%)	0	100	100
23	11	95/98 (97%)	92 (97%)	2 (2%)	1 (1%)	11	15
23	21	95/98 (97%)	90 (95%)	4 (4%)	1 (1%)	11	15
24	12	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
24	22	68/72 (94%)	68 (100%)	0	0	100	100
25	13	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
25	23	57/60 (95%)	54 (95%)	2 (4%)	1 (2%)	6	7
26	14	67/71 (94%)	52 (78%)	9 (13%)	6 (9%)	0	0
26	24	67/71 (94%)	50 (75%)	15 (22%)	2 (3%)	3	2
27	15	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
27	25	57/60 (95%)	55 (96%)	2 (4%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
28	16	51/54 (94%)	50 (98%)	1 (2%)	0	100	100
28	26	51/54 (94%)	46 (90%)	5 (10%)	0	100	100
29	17	46/49 (94%)	46 (100%)	0	0	100	100
29	27	46/49 (94%)	46 (100%)	0	0	100	100
30	18	62/65 (95%)	61 (98%)	1 (2%)	0	100	100
30	28	62/65 (95%)	60 (97%)	2 (3%)	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%)	188 (82%)	32 (14%)	9 (4%)	2	1
33	2b	229/256 (90%)	184 (80%)	37 (16%)	8 (4%)	3	1
34	1c	204/239 (85%)	193 (95%)	11 (5%)	0	100	100
34	2c	204/239 (85%)	176 (86%)	26 (13%)	2 (1%)	12	17
35	1d	206/209 (99%)	189 (92%)	16 (8%)	1 (0%)	24	34
35	2d	206/209 (99%)	190 (92%)	15 (7%)	1 (0%)	24	34
36	1e	146/162 (90%)	131 (90%)	14 (10%)	1 (1%)	18	25
36	2e	146/162 (90%)	127 (87%)	15 (10%)	4 (3%)	4	3
37	1f	98/101 (97%)	91 (93%)	7 (7%)	0	100	100
37	2f	98/101 (97%)	98 (100%)	0	0	100	100
38	1g	153/156 (98%)	140 (92%)	12 (8%)	1 (1%)	18	25
38	2g	153/156 (98%)	139 (91%)	10 (6%)	4 (3%)	4	3
39	1h	135/138 (98%)	126 (93%)	8 (6%)	1 (1%)	18	25
39	2h	135/138 (98%)	124 (92%)	10 (7%)	1 (1%)	18	25
40	1i	125/128 (98%)	111 (89%)	12 (10%)	2 (2%)	7	9
40	2i	125/128 (98%)	108 (86%)	16 (13%)	1 (1%)	16	22
41	1j	95/105 (90%)	76 (80%)	16 (17%)	3 (3%)	3	2
41	2j	94/105 (90%)	79 (84%)	12 (13%)	3 (3%)	3	2
42	1k	112/129 (87%)	106 (95%)	3 (3%)	3 (3%)	4	3
42	2k	112/129 (87%)	101 (90%)	9 (8%)	2 (2%)	6	7
43	1l	119/132 (90%)	113 (95%)	5 (4%)	1 (1%)	16	22
43	2l	119/132 (90%)	109 (92%)	8 (7%)	2 (2%)	7	8
44	1m	121/126 (96%)	105 (87%)	14 (12%)	2 (2%)	7	8

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
44	2m	120/126 (95%)	107 (89%)	11 (9%)	2 (2%)	7	8
45	1n	58/61 (95%)	55 (95%)	3 (5%)	0	100	100
45	2n	58/61 (95%)	53 (91%)	3 (5%)	2 (3%)	3	1
46	1o	86/89 (97%)	82 (95%)	2 (2%)	2 (2%)	5	4
46	2o	86/89 (97%)	79 (92%)	6 (7%)	1 (1%)	10	13
47	1p	80/88 (91%)	70 (88%)	10 (12%)	0	100	100
47	2p	80/88 (91%)	73 (91%)	7 (9%)	0	100	100
48	1q	97/105 (92%)	90 (93%)	6 (6%)	1 (1%)	12	17
48	2q	97/105 (92%)	86 (89%)	9 (9%)	2 (2%)	5	5
49	1r	66/88 (75%)	61 (92%)	4 (6%)	1 (2%)	8	10
49	2r	66/88 (75%)	59 (89%)	6 (9%)	1 (2%)	8	10
50	1s	81/93 (87%)	74 (91%)	7 (9%)	0	100	100
50	2s	81/93 (87%)	65 (80%)	14 (17%)	2 (2%)	4	4
51	1t	94/106 (89%)	84 (89%)	8 (8%)	2 (2%)	5	5
51	2t	94/106 (89%)	83 (88%)	10 (11%)	1 (1%)	11	15
52	1u	21/27 (78%)	19 (90%)	2 (10%)	0	100	100
52	2u	21/27 (78%)	18 (86%)	3 (14%)	0	100	100
All	All	11368/12128 (94%)	10432 (92%)	817 (7%)	119 (1%)	12	17

5 of 119 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
5	1F	130	ALA
6	1G	43	LEU
19	1X	93	GLU
21	1Z	52	SER
26	14	47	GLN

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%)	207 (96%)	8 (4%)	30	45
3	2D	215/218 (99%)	200 (93%)	15 (7%)	14	19
4	1E	164/166 (99%)	155 (94%)	9 (6%)	19	29
4	2E	164/166 (99%)	155 (94%)	9 (6%)	19	29
5	1F	160/166 (96%)	142 (89%)	18 (11%)	5	6
5	2F	159/166 (96%)	144 (91%)	15 (9%)	8	10
6	1G	143/156 (92%)	128 (90%)	15 (10%)	6	8
6	2G	143/156 (92%)	127 (89%)	16 (11%)	6	6
7	1H	144/148 (97%)	132 (92%)	12 (8%)	10	14
7	2H	144/148 (97%)	128 (89%)	16 (11%)	6	6
8	1I	113/124 (91%)	94 (83%)	19 (17%)	2	2
8	2I	105/124 (85%)	91 (87%)	14 (13%)	4	4
9	1N	118/119 (99%)	108 (92%)	10 (8%)	10	13
9	2N	118/119 (99%)	106 (90%)	12 (10%)	7	8
10	1O	100/100 (100%)	95 (95%)	5 (5%)	22	33
10	2O	100/100 (100%)	97 (97%)	3 (3%)	36	53
11	1P	115/116 (99%)	105 (91%)	10 (9%)	9	13
11	2P	115/116 (99%)	106 (92%)	9 (8%)	11	16
12	1Q	111/111 (100%)	108 (97%)	3 (3%)	39	58
12	2Q	111/111 (100%)	105 (95%)	6 (5%)	20	30
13	1R	101/101 (100%)	93 (92%)	8 (8%)	11	16
13	2R	101/101 (100%)	94 (93%)	7 (7%)	14	20
14	1S	86/88 (98%)	79 (92%)	7 (8%)	11	15
14	2S	85/88 (97%)	74 (87%)	11 (13%)	4	4
15	1T	115/127 (91%)	108 (94%)	7 (6%)	17	25
15	2T	113/127 (89%)	107 (95%)	6 (5%)	20	31
16	1U	93/94 (99%)	88 (95%)	5 (5%)	20	30
16	2U	93/94 (99%)	87 (94%)	6 (6%)	15	22
17	1V	80/82 (98%)	77 (96%)	3 (4%)	29	44
17	2V	80/82 (98%)	74 (92%)	6 (8%)	12	17
18	1W	90/92 (98%)	84 (93%)	6 (7%)	15	21
18	2W	90/92 (98%)	86 (96%)	4 (4%)	25	38

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
19	1X	77/78 (99%)	75 (97%)	2 (3%)	40	59
19	2X	77/78 (99%)	74 (96%)	3 (4%)	28	43
20	1Y	85/91 (93%)	80 (94%)	5 (6%)	18	27
20	2Y	85/91 (93%)	76 (89%)	9 (11%)	6	7
21	1Z	135/179 (75%)	126 (93%)	9 (7%)	15	21
21	2Z	137/179 (76%)	120 (88%)	17 (12%)	4	4
22	10	65/67 (97%)	65 (100%)	0	100	100
22	20	65/67 (97%)	63 (97%)	2 (3%)	35	53
23	11	80/83 (96%)	79 (99%)	1 (1%)	61	76
23	21	80/83 (96%)	77 (96%)	3 (4%)	29	44
24	12	65/67 (97%)	61 (94%)	4 (6%)	16	24
24	22	65/67 (97%)	59 (91%)	6 (9%)	8	10
25	13	51/52 (98%)	43 (84%)	8 (16%)	2	2
25	23	50/52 (96%)	48 (96%)	2 (4%)	28	42
26	14	59/63 (94%)	48 (81%)	11 (19%)	1	1
26	24	53/63 (84%)	47 (89%)	6 (11%)	5	6
27	15	50/52 (96%)	46 (92%)	4 (8%)	11	15
27	25	50/52 (96%)	48 (96%)	2 (4%)	28	42
28	16	51/52 (98%)	49 (96%)	2 (4%)	28	43
28	26	50/52 (96%)	46 (92%)	4 (8%)	11	15
29	17	41/42 (98%)	37 (90%)	4 (10%)	7	9
29	27	41/42 (98%)	35 (85%)	6 (15%)	3	2
30	18	54/55 (98%)	53 (98%)	1 (2%)	50	69
30	28	54/55 (98%)	53 (98%)	1 (2%)	50	69
31	19	34/34 (100%)	33 (97%)	1 (3%)	37	55
31	29	34/34 (100%)	31 (91%)	3 (9%)	9	12
33	1b	192/220 (87%)	168 (88%)	24 (12%)	4	4
33	2b	187/220 (85%)	162 (87%)	25 (13%)	4	3
34	1c	142/188 (76%)	131 (92%)	11 (8%)	12	17
34	2c	140/188 (74%)	130 (93%)	10 (7%)	13	19
35	1d	169/181 (93%)	152 (90%)	17 (10%)	7	8

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
35	2d	173/181 (96%)	149 (86%)	24 (14%)	3	3
36	1e	113/123 (92%)	104 (92%)	9 (8%)	11	15
36	2e	114/123 (93%)	103 (90%)	11 (10%)	8	9
37	1f	84/90 (93%)	78 (93%)	6 (7%)	13	19
37	2f	85/90 (94%)	81 (95%)	4 (5%)	23	36
38	1g	119/127 (94%)	103 (87%)	16 (13%)	4	3
38	2g	120/127 (94%)	109 (91%)	11 (9%)	8	10
39	1h	114/119 (96%)	108 (95%)	6 (5%)	20	31
39	2h	114/119 (96%)	104 (91%)	10 (9%)	9	12
40	1i	90/99 (91%)	76 (84%)	14 (16%)	2	2
40	2i	89/99 (90%)	76 (85%)	13 (15%)	3	2
41	1j	66/92 (72%)	55 (83%)	11 (17%)	2	2
41	2j	69/92 (75%)	54 (78%)	15 (22%)	1	1
42	1k	82/99 (83%)	73 (89%)	9 (11%)	6	6
42	2k	83/99 (84%)	76 (92%)	7 (8%)	10	14
43	1l	96/108 (89%)	94 (98%)	2 (2%)	47	66
43	2l	96/108 (89%)	88 (92%)	8 (8%)	10	14
44	1m	93/101 (92%)	81 (87%)	12 (13%)	4	4
44	2m	92/101 (91%)	83 (90%)	9 (10%)	7	9
45	1n	49/50 (98%)	46 (94%)	3 (6%)	17	25
45	2n	49/50 (98%)	44 (90%)	5 (10%)	7	8
46	1o	78/80 (98%)	72 (92%)	6 (8%)	12	17
46	2o	78/80 (98%)	72 (92%)	6 (8%)	12	17
47	1p	69/74 (93%)	62 (90%)	7 (10%)	7	8
47	2p	68/74 (92%)	61 (90%)	7 (10%)	7	8
48	1q	94/97 (97%)	85 (90%)	9 (10%)	8	9
48	2q	94/97 (97%)	87 (93%)	7 (7%)	13	17
49	1r	59/77 (77%)	57 (97%)	2 (3%)	32	48
49	2r	59/77 (77%)	54 (92%)	5 (8%)	10	13
50	1s	69/80 (86%)	63 (91%)	6 (9%)	9	13
50	2s	67/80 (84%)	59 (88%)	8 (12%)	5	5

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
51	1t	70/82 (85%)	65 (93%)	5 (7%)	13	19
51	2t	70/82 (85%)	65 (93%)	5 (7%)	13	19
52	1u	18/22 (82%)	18 (100%)	0	100	100
52	2u	18/22 (82%)	18 (100%)	0	100	100
All	All	9303/10064 (92%)	8522 (92%)	781 (8%)	10	14

5 of 781 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
9	2N	43	THR
26	24	59	PHE
11	2P	95	VAL
9	2N	38	HIS
17	2V	61	VAL

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 133 such sidechains are listed below:

Mol	Chain	Res	Type
41	2j	13	HIS
42	2k	26	ASN
50	2s	69	HIS
40	1i	124	GLN
40	1i	87	GLN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	421 (14%)	26 (0%)
1	2A	2791/2915 (95%)	461 (16%)	24 (0%)
2	1B	119/121 (98%)	6 (5%)	0
2	2B	118/121 (97%)	28 (23%)	0
32	1a	1497/1521 (98%)	240 (16%)	0
32	2a	1501/1521 (98%)	277 (18%)	0
53	1v	12/24 (50%)	3 (25%)	0
53	2v	12/24 (50%)	3 (25%)	0
54	1w	70/74 (94%)	24 (34%)	0
54	2w	68/74 (91%)	29 (42%)	0
55	1x	75/77 (97%)	7 (9%)	0

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Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
55	2x	75/77 (97%)	9 (12%)	0
56	1y	71/74 (95%)	27 (38%)	0
56	2y	71/74 (95%)	32 (45%)	0
All	All	9344/9612 (97%)	1567 (16%)	50 (0%)

5 of 1567 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	34	C
1	1A	45	C
1	1A	63	U
1	1A	71	A

5 of 50 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	2A	266	G
1	2A	856	C
1	2A	2689	U
1	2A	271(K)	U
1	2A	528	A

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

72 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	$\# Z > 2$
1	PSU	1A	2605	57,1	18,21,22	1.41	3 (16%)	21,30,33	1.95	5 (23%)
1	OMG	1A	2251	57,55,1	23,26,27	1.31	3 (13%)	32,38,41	1.97	6 (18%)
54	L3X	1w	76	1,54	24,28,29	1.42	3 (12%)	27,40,43	2.10	9 (33%)
1	5MU	1A	1915	1	19,22,23	1.38	5 (26%)	27,32,35	2.09	5 (18%)
32	MA6	2a	1518	32	23,26,27	0.42	0	33,38,41	2.04	9 (27%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	G7M	1a	527	57,32	23,26,27	1.47	4 (17%)	34,39,42	1.68	5 (14%)
56	4SU	2y	8	56	18,21,22	1.79	5 (27%)	25,30,33	1.93	5 (20%)
1	OMU	1A	2552	1	19,22,23	1.21	2 (10%)	25,31,34	1.93	5 (20%)
55	31H	1x	76	55,57	31,34,35	1.18	3 (9%)	35,47,50	2.09	11 (31%)
55	4SU	1x	8	55	18,21,22	2.14	6 (33%)	25,30,33	1.65	7 (28%)
32	MA6	1a	1519	32	23,26,27	0.46	0	33,38,41	2.09	9 (27%)
1	5MU	2A	1915	1	19,22,23	1.41	5 (26%)	27,32,35	2.15	6 (22%)
55	5MC	2x	32	55	19,22,23	1.74	3 (15%)	26,32,35	1.28	3 (11%)
1	5MU	1A	1939	57,1	19,22,23	1.41	5 (26%)	27,32,35	2.30	6 (22%)
55	5MU	2x	54	55	19,22,23	1.38	4 (21%)	27,32,35	2.07	6 (22%)
43	0TD	1l	92	43	8,9,10	4.56	1 (12%)	6,11,13	2.89	2 (33%)
1	5MC	1A	1942	1	19,22,23	1.68	3 (15%)	26,32,35	1.15	2 (7%)
1	PSU	1A	1917	1	18,21,22	1.34	2 (11%)	21,30,33	2.01	4 (19%)
54	L3X	2w	76	1,54	24,28,29	1.40	3 (12%)	27,40,43	2.14	9 (33%)
54	5MU	1w	54	54	19,22,23	1.38	4 (21%)	27,32,35	1.90	6 (22%)
1	2MA	2A	2503	57,1	22,25,26	1.47	4 (18%)	32,37,40	2.30	8 (25%)
32	UR3	2a	1498	32	19,22,23	1.01	1 (5%)	26,32,35	1.76	3 (11%)
54	4SU	2w	8	54	18,21,22	1.77	4 (22%)	25,30,33	3.15	6 (24%)
55	5MU	1x	54	55	19,22,23	1.45	5 (26%)	27,32,35	1.99	5 (18%)
1	5MC	2A	1942	1	19,22,23	1.64	2 (10%)	26,32,35	1.16	3 (11%)
32	5MC	2a	1400	32	19,22,23	1.67	3 (15%)	26,32,35	1.18	3 (11%)
1	2MA	1A	2503	57,1	22,25,26	1.42	5 (22%)	32,37,40	2.30	10 (31%)
54	PSU	2w	55	57,54	18,21,22	1.36	2 (11%)	21,30,33	2.03	4 (19%)
32	5MC	2a	1404	32	19,22,23	1.62	3 (15%)	26,32,35	1.23	3 (11%)
56	5MU	1y	54	56	19,22,23	1.42	5 (26%)	27,32,35	1.96	7 (25%)
1	PSU	2A	2605	1	18,21,22	1.29	2 (11%)	21,30,33	2.06	4 (19%)
56	5MU	2y	54	56	19,22,23	1.48	4 (21%)	27,32,35	1.91	8 (29%)
32	G7M	2a	527	57,32	23,26,27	1.49	3 (13%)	34,39,42	1.67	5 (14%)
32	MA6	1a	1518	32	23,26,27	0.42	0	33,38,41	2.00	9 (27%)
1	PSU	2A	1917	1	18,21,22	1.39	2 (11%)	21,30,33	2.01	4 (19%)
55	PSU	2x	55	55	18,21,22	1.38	2 (11%)	21,30,33	2.08	4 (19%)
32	2MG	2a	1207	32	23,26,27	1.27	3 (13%)	33,38,41	2.11	6 (18%)
55	31H	2x	76	55,57	31,34,35	1.20	3 (9%)	35,47,50	2.11	13 (37%)
56	4SU	1y	8	56	18,21,22	1.88	6 (33%)	25,30,33	1.69	5 (20%)
1	5MC	1A	1962	57,1	19,22,23	1.74	3 (15%)	26,32,35	1.17	3 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	OMU	2A	2552	1	19,22,23	1.26	2 (10%)	25,31,34	1.76	6 (24%)
32	M2G	2a	966	32	24,27,28	1.31	4 (16%)	33,40,43	1.90	6 (18%)
1	PSU	1A	1911	1	18,21,22	1.38	2 (11%)	21,30,33	2.12	4 (19%)
56	PSU	1y	55	56	18,21,22	1.40	2 (11%)	21,30,33	2.12	4 (19%)
32	5MC	2a	1407	32	19,22,23	1.67	3 (15%)	26,32,35	1.24	3 (11%)
54	4SU	1w	8	54	18,21,22	1.90	5 (27%)	25,30,33	1.95	5 (20%)
55	5MC	1x	32	55	19,22,23	1.48	3 (15%)	26,32,35	1.24	2 (7%)
1	5MU	2A	1939	1	19,22,23	1.34	5 (26%)	27,32,35	2.37	6 (22%)
43	0TD	2l	92	43	8,9,10	4.63	2 (25%)	6,11,13	4.99	2 (33%)
32	5MC	1a	1400	32	19,22,23	1.70	3 (15%)	26,32,35	1.17	4 (15%)
32	PSU	2a	516	32	18,21,22	1.36	2 (11%)	21,30,33	1.95	3 (14%)
54	PSU	1w	55	57,54	18,21,22	1.40	2 (11%)	21,30,33	2.04	3 (14%)
32	UR3	1a	1498	32	19,22,23	1.02	1 (5%)	26,32,35	1.83	4 (15%)
32	MA6	2a	1519	32	23,26,27	0.44	0	33,38,41	2.09	10 (30%)
32	4OC	1a	1402	32	20,23,24	0.76	0	25,32,35	0.96	1 (4%)
55	PSU	1x	55	55	18,21,22	1.37	2 (11%)	21,30,33	2.03	3 (14%)
32	5MC	1a	967	32	19,22,23	1.54	3 (15%)	26,32,35	1.07	2 (7%)
54	5MU	2w	54	54	19,22,23	1.38	4 (21%)	27,32,35	1.73	6 (22%)
32	PSU	1a	516	32	18,21,22	1.44	2 (11%)	21,30,33	2.03	3 (14%)
32	5MC	1a	1407	32	19,22,23	1.79	3 (15%)	26,32,35	1.18	4 (15%)
32	4OC	2a	1402	57,32	20,23,24	0.75	0	25,32,35	1.09	2 (8%)
56	PSU	2y	55	56	18,21,22	1.42	2 (11%)	21,30,33	1.98	3 (14%)
1	OMC	1A	1920	1	19,22,23	0.77	0	25,31,34	0.93	1 (4%)
1	5MC	2A	1962	57,1	19,22,23	1.65	3 (15%)	26,32,35	1.14	3 (11%)
55	4SU	2x	8	55	18,21,22	2.00	7 (38%)	25,30,33	1.32	3 (12%)
1	PSU	2A	1911	1	18,21,22	1.36	2 (11%)	21,30,33	1.93	3 (14%)
32	5MC	2a	967	32	19,22,23	1.64	2 (10%)	26,32,35	1.07	2 (7%)
1	OMG	2A	2251	55,1	23,26,27	1.23	3 (13%)	32,38,41	1.97	7 (21%)
32	5MC	1a	1404	32	19,22,23	1.65	3 (15%)	26,32,35	1.10	2 (7%)
1	OMC	2A	1920	1	19,22,23	0.78	0	25,31,34	0.96	1 (4%)
32	2MG	1a	1207	32	23,26,27	1.24	3 (13%)	33,38,41	2.25	10 (30%)
32	M2G	1a	966	32	24,27,28	1.30	4 (16%)	33,40,43	1.87	6 (18%)

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
1	PSU	1A	2605	57,1	-	0/7/25/26	0/2/2/2
1	OMG	1A	2251	57,55,1	-	0/9/27/28	0/3/3/3
54	L3X	1w	76	1,54	-	1/13/31/32	0/3/3/3
1	5MU	1A	1915	1	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/11/29/30	0/3/3/3
32	G7M	1a	527	57,32	-	3/7/25/26	0/3/3/3
56	4SU	2y	8	56	-	3/7/25/26	0/2/2/2
1	OMU	1A	2552	1	-	0/9/27/28	0/2/2/2
55	31H	1x	76	55,57	-	5/22/40/41	0/3/3/3
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	3/11/29/30	0/3/3/3
1	5MU	2A	1915	1	-	0/7/25/26	0/2/2/2
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2
1	5MU	1A	1939	57,1	-	0/7/25/26	0/2/2/2
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
43	0TD	1l	92	43	-	1/7/12/14	-
1	5MC	1A	1942	1	-	0/7/25/26	0/2/2/2
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
54	L3X	2w	76	1,54	-	2/13/31/32	0/3/3/3
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	57,1	-	1/7/25/26	0/3/3/3
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
54	4SU	2w	8	54	-	0/7/25/26	0/2/2/2
55	5MU	1x	54	55	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1400	32	-	0/7/25/26	0/2/2/2
1	2MA	1A	2503	57,1	-	1/7/25/26	0/3/3/3
54	PSU	2w	55	57,54	-	0/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
56	5MU	1y	54	56	-	0/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
56	5MU	2y	54	56	-	3/7/25/26	0/2/2/2
32	G7M	2a	527	57,32	-	2/7/25/26	0/3/3/3
32	MA6	1a	1518	32	-	0/11/29/30	0/3/3/3
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	1/9/27/28	0/3/3/3
55	31H	2x	76	55,57	-	4/22/40/41	0/3/3/3
56	4SU	1y	8	56	-	1/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	5MC	1A	1962	57,1	-	0/7/25/26	0/2/2/2
1	OMU	2A	2552	1	-	0/9/27/28	0/2/2/2
32	M2G	2a	966	32	-	0/11/29/30	0/3/3/3
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
56	PSU	1y	55	56	-	1/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	2/7/12/14	-
32	5MC	1a	1400	32	-	2/7/25/26	0/2/2/2
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
54	PSU	1w	55	57,54	-	0/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
32	MA6	2a	1519	32	-	3/11/29/30	0/3/3/3
32	4OC	1a	1402	32	-	2/9/29/30	0/2/2/2
55	PSU	1x	55	55	-	2/7/25/26	0/2/2/2
32	5MC	1a	967	32	-	1/7/25/26	0/2/2/2
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2
32	PSU	1a	516	32	-	0/7/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
32	4OC	2a	1402	57,32	-	3/9/29/30	0/2/2/2
56	PSU	2y	55	56	-	2/7/25/26	0/2/2/2
1	OMC	1A	1920	1	-	0/9/27/28	0/2/2/2
1	5MC	2A	1962	57,1	-	2/7/25/26	0/2/2/2
55	4SU	2x	8	55	-	0/7/25/26	0/2/2/2
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
1	OMG	2A	2251	55,1	-	0/9/27/28	0/3/3/3
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
1	OMC	2A	1920	1	-	0/9/27/28	0/2/2/2
32	2MG	1a	1207	32	-	2/9/27/28	0/3/3/3
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3

The worst 5 of 205 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-12.51	1.69	1.82
43	1l	92	0TD	CB-SB	-12.39	1.69	1.82
32	1a	1407	5MC	C5-C4	6.88	1.49	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	1962	5MC	C5-C4	6.37	1.48	1.44
55	2x	32	5MC	C5-C4	6.34	1.48	1.44

The worst 5 of 357 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
43	2l	92	0TD	CSB-SB-CB	-11.56	81.58	102.36
54	2w	8	4SU	C4-N3-C2	-9.28	118.42	127.31
1	2A	2503	2MA	C5-C4-N3	-8.13	118.62	127.18
54	2w	8	4SU	C5-C4-S4	-7.47	115.78	124.31
1	1A	2503	2MA	C5-C4-N3	-7.38	119.40	127.18

There are no chirality outliers.

5 of 53 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
32	1a	1207	2MG	N1-C2-N2-CM2
32	1a	1207	2MG	N3-C2-N2-CM2
32	1a	1519	MA6	O4'-C4'-C5'-O5'
32	2a	1207	2MG	N3-C2-N2-CM2
32	2a	1402	4OC	O4'-C4'-C5'-O5'

There are no ring outliers.

29 monomers are involved in 47 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
54	1w	76	L3X	1	0
1	1A	1915	5MU	2	0
32	2a	1518	MA6	3	0
56	2y	8	4SU	2	0
1	1A	2552	OMU	2	0
55	1x	76	31H	2	0
55	1x	8	4SU	2	0
32	1a	1519	MA6	1	0
1	2A	1915	5MU	1	0
1	1A	1939	5MU	1	0
54	2w	76	L3X	2	0
54	1w	54	5MU	1	0
1	2A	2503	2MA	1	0
54	2w	8	4SU	7	0
32	2a	1404	5MC	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
56	2y	54	5MU	1	0
32	1a	1518	MA6	2	0
55	2x	76	31H	2	0
56	1y	8	4SU	2	0
1	2A	2552	OMU	1	0
54	1w	8	4SU	1	0
43	2l	92	0TD	1	0
54	1w	55	PSU	3	0
32	2a	1519	MA6	3	0
32	1a	1402	4OC	2	0
54	2w	54	5MU	2	0
32	2a	1402	4OC	2	0
1	2A	2251	OMG	1	0
32	1a	966	M2G	1	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2761 ligands modelled in this entry, 2757 are monoatomic - leaving 4 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
59	CLM	1A	4097	-	20,20,20	0.97	2 (10%)	23,27,27	1.22	2 (8%)
61	SF4	1d	501	35	0,12,12	-	-	-		
61	SF4	2d	303	35	0,12,12	-	-	-		
59	CLM	2A	3863	-	20,20,20	1.01	1 (5%)	23,27,27	1.02	2 (8%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
59	CLM	1A	4097	-	-	2/20/22/22	0/1/1/1
61	SF4	1d	501	35	-	-	0/6/5/5
61	SF4	2d	303	35	-	-	0/6/5/5
59	CLM	2A	3863	-	-	0/20/22/22	0/1/1/1

All (3) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
59	1A	4097	CLM	C6-C5	-2.43	1.48	1.51
59	2A	3863	CLM	C6-C5	-2.37	1.48	1.51
59	1A	4097	CLM	C9-N9	-2.34	1.39	1.45

All (4) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
59	1A	4097	CLM	O5-C5-C6	-3.43	103.76	111.20
59	2A	3863	CLM	C6-C5-C3	2.65	116.48	111.72
59	1A	4097	CLM	C6-C5-C3	2.54	116.27	111.72
59	2A	3863	CLM	O5-C5-C6	-2.02	106.82	111.20

There are no chirality outliers.

All (2) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
59	1A	4097	CLM	N2-C3-C4-O4
59	1A	4097	CLM	C5-C3-C4-O4

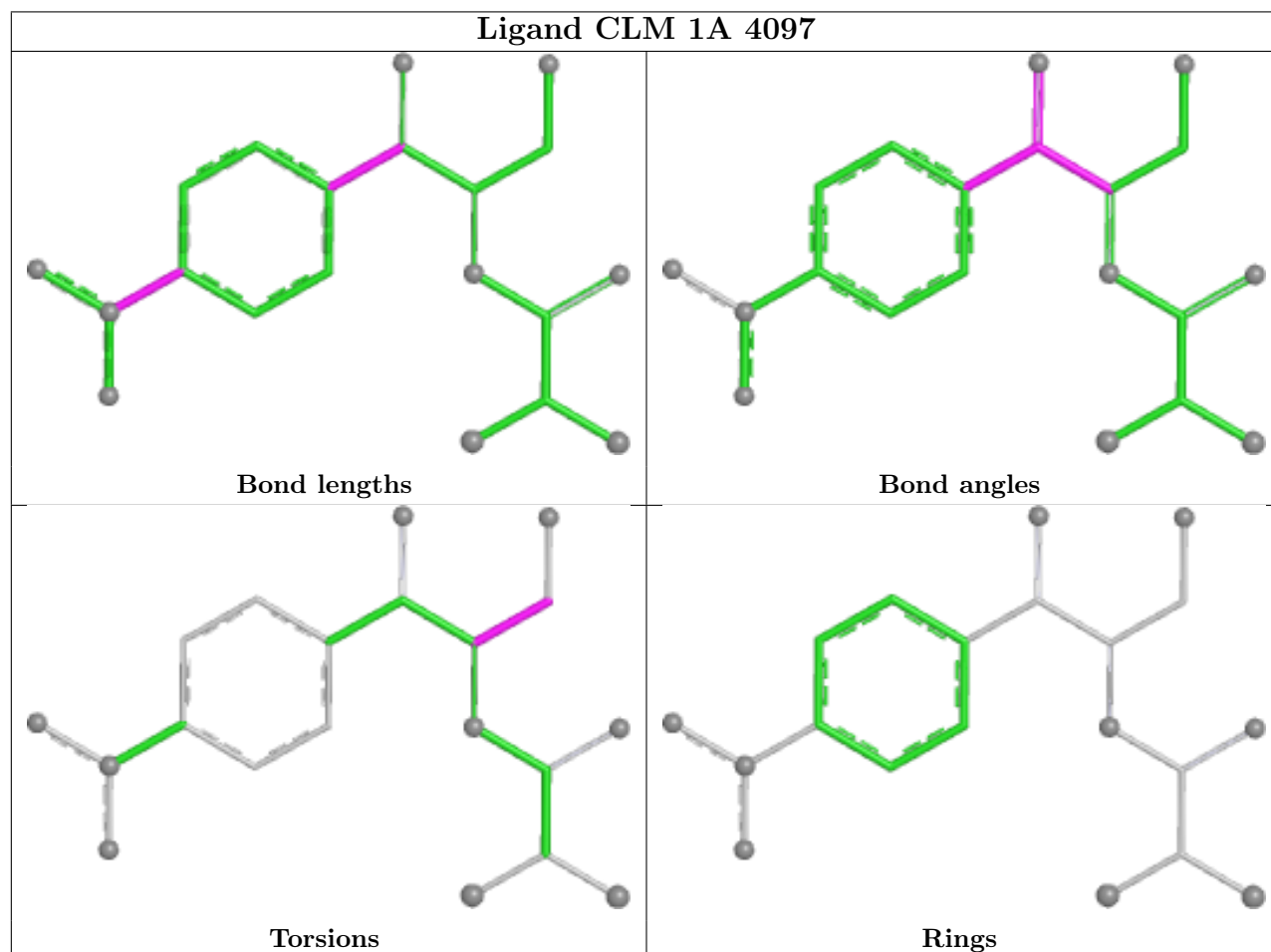
There are no ring outliers.

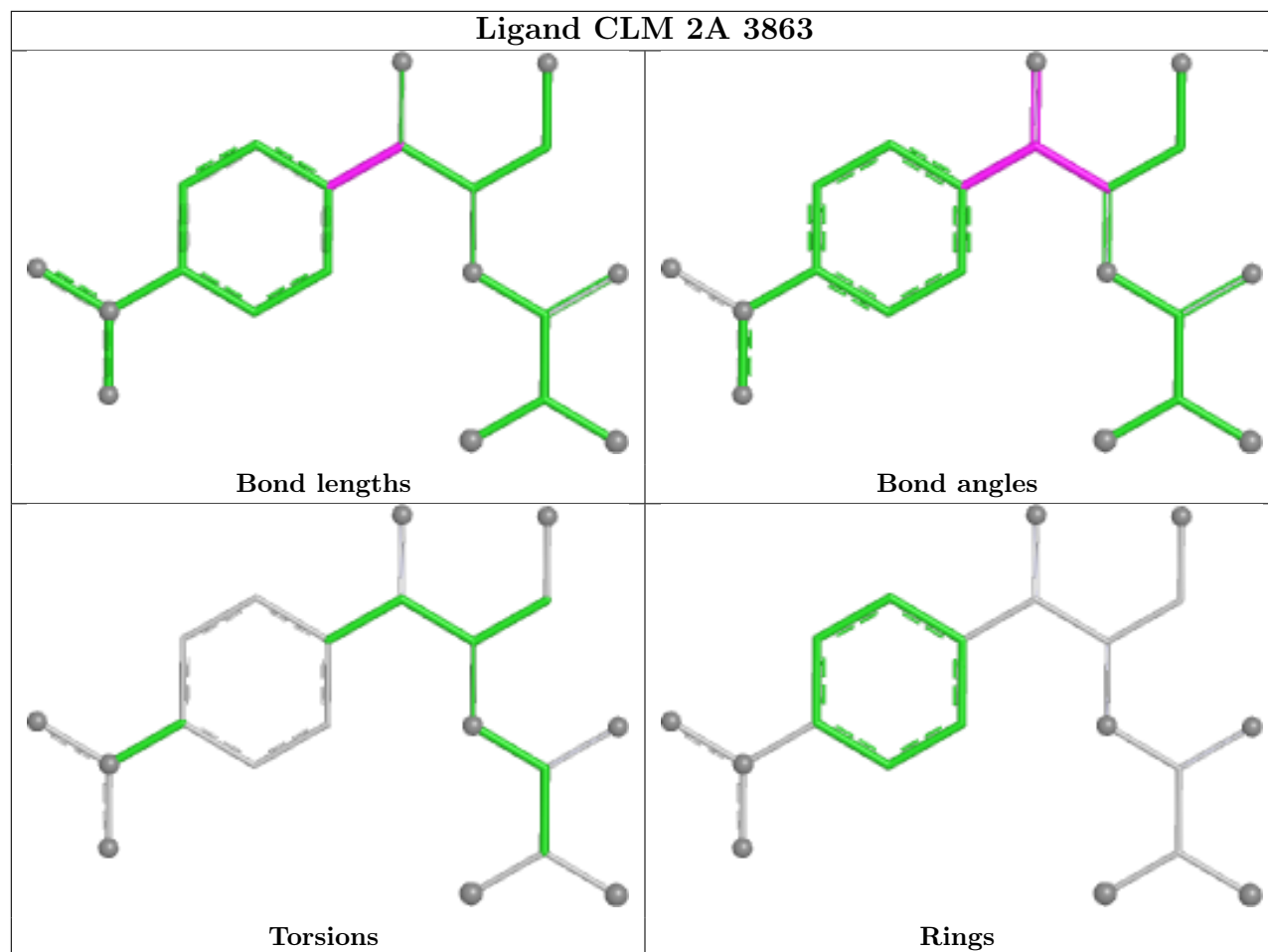
2 monomers are involved in 2 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
59	1A	4097	CLM	1	0
61	2d	303	SF4	1	0

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the

average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.





5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2			OWAB(Å ²)	Q<0.9
1	1A	2860/2915 (98%)	-0.45	125 (4%)	39	39	23, 38, 94, 106	0
1	2A	2789/2915 (95%)	0.08	116 (4%)	40	41	34, 60, 92, 105	0
2	1B	120/121 (99%)	-0.33	0	100	100	31, 52, 67, 87	0
2	2B	120/121 (99%)	0.81	0	100	100	65, 79, 87, 91	0
3	1D	275/276 (99%)	0.05	4 (1%)	72	73	24, 40, 54, 72	0
3	2D	275/276 (99%)	0.48	8 (2%)	53	55	33, 53, 66, 81	0
4	1E	204/206 (99%)	-0.05	1 (0%)	87	89	20, 42, 61, 73	0
4	2E	204/206 (99%)	0.53	4 (1%)	65	65	36, 60, 71, 83	0
5	1F	202/210 (96%)	0.10	1 (0%)	87	89	21, 45, 68, 80	0
5	2F	202/210 (96%)	0.61	3 (1%)	72	73	39, 70, 80, 86	0
6	1G	181/182 (99%)	0.75	13 (7%)	21	20	43, 61, 75, 86	0
6	2G	181/182 (99%)	1.39	33 (18%)	3	3	70, 79, 85, 91	0
7	1H	174/180 (96%)	0.38	3 (1%)	69	69	40, 54, 66, 72	0
7	2H	174/180 (96%)	1.44	39 (22%)	2	2	70, 81, 88, 95	0
8	1I	146/148 (98%)	0.85	6 (4%)	41	42	43, 73, 81, 84	0
8	2I	146/148 (98%)	1.37	28 (19%)	3	2	59, 74, 81, 84	0
9	1N	140/140 (100%)	0.06	2 (1%)	73	74	27, 40, 60, 72	0
9	2N	140/140 (100%)	0.95	10 (7%)	22	21	47, 66, 77, 84	0
10	1O	122/122 (100%)	0.16	1 (0%)	82	84	32, 42, 60, 66	0
10	2O	122/122 (100%)	0.53	0	100	100	45, 59, 71, 75	0
11	1P	149/150 (99%)	0.20	2 (1%)	75	75	23, 48, 67, 74	0
11	2P	149/150 (99%)	0.80	7 (4%)	36	36	41, 69, 82, 87	0
12	1Q	141/141 (100%)	0.03	1 (0%)	84	86	26, 43, 58, 72	0
12	2Q	141/141 (100%)	1.02	11 (7%)	19	18	48, 67, 76, 83	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2		OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.04	0	100 100	27, 37, 50, 60	0
13	2R	118/118 (100%)	0.57	2 (1%)	69 69	42, 55, 64, 71	0
14	1S	110/112 (98%)	0.29	1 (0%)	81 83	41, 52, 63, 67	0
14	2S	110/112 (98%)	1.54	31 (28%)	1 1	64, 74, 80, 83	0
15	1T	131/146 (89%)	0.26	4 (3%)	51 52	32, 47, 68, 79	0
15	2T	131/146 (89%)	0.70	4 (3%)	51 52	51, 61, 76, 80	0
16	1U	116/118 (98%)	-0.23	1 (0%)	81 83	23, 33, 49, 61	0
16	2U	116/118 (98%)	0.80	2 (1%)	69 69	48, 62, 75, 79	0
17	1V	101/101 (100%)	0.03	2 (1%)	65 65	26, 42, 58, 70	0
17	2V	101/101 (100%)	1.04	8 (7%)	18 18	47, 70, 76, 87	0
18	1W	112/113 (99%)	-0.10	2 (1%)	67 68	27, 35, 53, 75	0
18	2W	112/113 (99%)	0.48	3 (2%)	56 57	41, 51, 69, 90	0
19	1X	95/96 (98%)	0.14	3 (3%)	50 51	29, 40, 64, 81	0
19	2X	95/96 (98%)	0.90	7 (7%)	20 19	48, 62, 77, 86	0
20	1Y	107/110 (97%)	0.33	1 (0%)	81 83	38, 51, 68, 79	0
20	2Y	107/110 (97%)	1.15	16 (14%)	5 5	63, 71, 80, 86	0
21	1Z	154/206 (74%)	0.84	14 (9%)	15 14	42, 64, 85, 88	0
21	2Z	160/206 (77%)	1.51	43 (26%)	1 1	64, 80, 89, 93	0
22	10	83/85 (97%)	0.17	3 (3%)	46 47	29, 40, 57, 64	0
22	20	83/85 (97%)	1.29	12 (14%)	6 5	46, 65, 74, 80	0
23	11	97/98 (98%)	0.33	1 (1%)	79 80	28, 47, 71, 74	0
23	21	97/98 (98%)	0.96	6 (6%)	26 26	40, 59, 74, 78	0
24	12	70/72 (97%)	0.37	1 (1%)	73 74	38, 50, 62, 73	0
24	22	70/72 (97%)	0.91	3 (4%)	40 40	61, 71, 77, 79	0
25	13	59/60 (98%)	-0.01	0	100 100	28, 39, 58, 70	0
25	23	59/60 (98%)	0.93	4 (6%)	23 22	58, 67, 75, 79	0
26	14	69/71 (97%)	1.28	14 (20%)	3 2	53, 76, 86, 88	0
26	24	69/71 (97%)	1.76	24 (34%)	1 0	78, 85, 90, 94	0
27	15	59/60 (98%)	-0.15	0	100 100	21, 35, 51, 59	0
27	25	59/60 (98%)	0.56	0	100 100	39, 53, 68, 75	0
28	16	53/54 (98%)	-0.04	0	100 100	33, 45, 59, 63	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.78	5 (9%) 14 13	55, 64, 70, 71	0
29	17	48/49 (97%)	-0.10	4 (8%) 17 17	24, 31, 53, 64	0
29	27	48/49 (97%)	0.36	3 (6%) 26 25	34, 44, 64, 76	0
30	18	64/65 (98%)	-0.11	0 100 100	27, 37, 45, 57	0
30	28	64/65 (98%)	0.75	1 (1%) 70 71	45, 58, 64, 68	0
31	19	37/37 (100%)	-0.13	0 100 100	33, 42, 56, 63	0
31	29	37/37 (100%)	1.08	4 (10%) 11 10	61, 68, 74, 80	0
32	1a	1488/1521 (97%)	0.26	27 (1%) 67 68	38, 69, 92, 102	0
32	2a	1491/1521 (98%)	0.69	89 (5%) 27 27	52, 79, 94, 104	0
33	1b	231/256 (90%)	1.36	49 (21%) 2 2	66, 78, 85, 90	0
33	2b	231/256 (90%)	1.66	73 (31%) 1 0	73, 84, 89, 94	0
34	1c	206/239 (86%)	1.06	22 (10%) 11 10	59, 73, 82, 88	0
34	2c	206/239 (86%)	1.93	88 (42%) 0 0	76, 84, 88, 92	0
35	1d	208/209 (99%)	1.31	39 (18%) 3 2	59, 70, 78, 81	0
35	2d	208/209 (99%)	1.21	29 (13%) 6 5	63, 74, 81, 85	0
36	1e	148/162 (91%)	0.80	5 (3%) 48 49	49, 66, 74, 77	0
36	2e	148/162 (91%)	1.35	25 (16%) 4 3	67, 77, 83, 86	0
37	1f	100/101 (99%)	0.86	2 (2%) 65 65	60, 70, 77, 80	0
37	2f	100/101 (99%)	1.02	6 (6%) 27 27	62, 73, 79, 80	0
38	1g	155/156 (99%)	0.98	16 (10%) 12 11	63, 73, 83, 89	0
38	2g	155/156 (99%)	1.63	44 (28%) 1 1	73, 80, 86, 91	0
39	1h	137/138 (99%)	0.87	5 (3%) 46 47	59, 67, 74, 77	0
39	2h	137/138 (99%)	1.30	19 (13%) 6 5	69, 77, 82, 86	0
40	1i	127/128 (99%)	1.32	20 (15%) 5 4	56, 77, 83, 85	0
40	2i	127/128 (99%)	2.40	77 (60%) 0 0	73, 84, 89, 92	0
41	1j	97/105 (92%)	1.68	33 (34%) 1 0	62, 78, 84, 86	0
41	2j	96/105 (91%)	2.26	53 (55%) 0 0	72, 84, 89, 93	0
42	1k	114/129 (88%)	0.86	7 (6%) 27 26	45, 68, 77, 86	0
42	2k	114/129 (88%)	1.27	15 (13%) 7 6	57, 74, 82, 84	0
43	1l	121/132 (91%)	0.86	6 (4%) 34 33	50, 60, 69, 81	0
43	2l	121/132 (91%)	1.41	28 (23%) 2 1	61, 72, 78, 81	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	123/126 (97%)	1.23	12 (9%) 13 12	60, 72, 80, 91	0
44	2m	122/126 (96%)	1.77	33 (27%) 1 1	73, 82, 88, 93	0
45	1n	60/61 (98%)	1.19	7 (11%) 9 8	60, 70, 76, 78	0
45	2n	60/61 (98%)	2.59	37 (61%) 0 0	77, 84, 89, 90	0
46	1o	88/89 (98%)	0.94	6 (6%) 23 22	51, 66, 76, 78	0
46	2o	88/89 (98%)	0.93	8 (9%) 15 14	64, 74, 81, 84	0
47	1p	82/88 (93%)	1.46	16 (19%) 3 2	56, 72, 78, 81	0
47	2p	82/88 (93%)	1.09	7 (8%) 16 16	62, 71, 78, 83	0
48	1q	99/105 (94%)	1.29	16 (16%) 4 3	54, 69, 77, 80	0
48	2q	99/105 (94%)	1.05	7 (7%) 22 21	64, 74, 80, 87	0
49	1r	68/88 (77%)	0.69	1 (1%) 72 73	57, 68, 75, 78	0
49	2r	68/88 (77%)	1.14	6 (8%) 15 15	68, 75, 80, 82	0
50	1s	83/93 (89%)	1.34	11 (13%) 7 6	67, 75, 82, 84	0
50	2s	83/93 (89%)	2.36	54 (65%) 0 0	78, 86, 91, 94	0
51	1t	96/106 (90%)	1.32	17 (17%) 4 3	64, 72, 79, 82	0
51	2t	96/106 (90%)	0.94	6 (6%) 26 25	60, 72, 82, 84	0
52	1u	23/27 (85%)	1.27	4 (17%) 4 3	65, 71, 76, 79	0
52	2u	23/27 (85%)	2.08	11 (47%) 0 0	76, 81, 85, 86	0
53	1v	13/24 (54%)	1.15	5 (38%) 1 0	50, 71, 91, 94	0
53	2v	13/24 (54%)	2.06	5 (38%) 1 0	72, 85, 99, 101	0
54	1w	69/74 (93%)	1.25	12 (17%) 4 3	49, 93, 100, 101	0
54	2w	68/74 (91%)	1.56	10 (14%) 6 5	66, 96, 100, 101	0
55	1x	72/77 (93%)	0.42	1 (1%) 73 74	30, 68, 84, 88	0
55	2x	72/77 (93%)	0.86	3 (4%) 40 41	50, 82, 91, 97	0
56	1y	70/74 (94%)	2.19	41 (58%) 0 0	60, 98, 103, 105	0
56	2y	70/74 (94%)	2.15	42 (60%) 0 0	70, 99, 104, 104	0
All	All	20885/21740 (96%)	0.54	1802 (8%) 16 15	20, 66, 89, 106	0

The worst 5 of 1802 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
44	2m	124	PRO	10.4
44	1m	124	PRO	9.7

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Mol	Chain	Res	Type	RSRZ
44	1m	123	ALA	8.4
1	2A	2111	C	7.2
44	2m	123	ALA	6.7

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

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	4SU	2y	8	20/21	0.44	0.18	93,99,108,115	0
56	4SU	1y	8	20/21	0.51	0.17	92,98,101,118	0
56	5MU	2y	54	21/22	0.52	0.17	96,99,105,120	0
56	PSU	2y	55	20/21	0.56	0.17	96,103,107,108	0
56	PSU	1y	55	20/21	0.62	0.15	94,98,104,112	0
54	4SU	2w	8	20/21	0.62	0.15	90,97,110,116	0
56	5MU	1y	54	21/22	0.63	0.13	90,94,100,113	0
54	5MU	2w	54	21/22	0.69	0.14	83,91,95,98	0
54	PSU	2w	55	20/21	0.70	0.13	88,94,103,103	0
54	4SU	1w	8	20/21	0.71	0.13	94,96,106,110	0
54	PSU	1w	55	20/21	0.78	0.13	81,90,98,98	0
32	2MG	2a	1207	24/25	0.78	0.16	82,88,96,101	0
54	5MU	1w	54	21/22	0.83	0.12	72,83,88,93	0
1	5MU	2A	1915	21/22	0.85	0.14	75,77,81,91	0
55	5MU	2x	54	21/22	0.86	0.14	79,86,90,97	0
32	PSU	2a	516	20/21	0.87	0.13	76,83,88,91	0
55	PSU	2x	55	20/21	0.87	0.12	77,82,88,96	0
32	M2G	2a	966	25/26	0.88	0.16	60,70,81,88	0
55	PSU	1x	55	20/21	0.88	0.12	60,65,77,78	0
55	4SU	2x	8	20/21	0.88	0.12	77,81,87,88	0
32	5MC	2a	967	21/22	0.89	0.13	68,74,80,83	0
43	0TD	1l	92	10/11	0.89	0.14	54,56,61,70	0
55	5MU	1x	54	21/22	0.90	0.12	65,74,76,83	0
1	PSU	2A	1917	20/21	0.90	0.12	67,75,84,85	0
55	5MC	2x	32	21/22	0.91	0.15	66,78,80,80	0
32	5MC	2a	1404	21/22	0.92	0.13	54,61,67,72	0
55	4SU	1x	8	20/21	0.92	0.11	58,64,79,80	0
32	G7M	2a	527	24/25	0.92	0.12	65,72,80,82	0
32	2MG	1a	1207	24/25	0.92	0.10	68,73,79,87	0
32	PSU	1a	516	20/21	0.92	0.10	62,66,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
1	PSU	2A	1911	20/21	0.92	0.11	64,69,77,81	0
32	5MC	2a	1400	21/22	0.92	0.15	68,76,80,86	0
32	4OC	2a	1402	22/23	0.93	0.12	56,64,68,72	0
54	L3X	2w	76	26/27	0.93	0.12	52,59,63,64	0
1	5MU	1A	1915	21/22	0.93	0.10	51,60,65,69	0
32	5MC	2a	1407	21/22	0.93	0.12	54,60,67,75	0
1	OMC	2A	1920	21/22	0.93	0.13	58,67,71,79	0
55	5MC	1x	32	21/22	0.94	0.12	51,57,64,66	0
43	0TD	2l	92	10/11	0.94	0.12	67,72,77,86	0
32	MA6	2a	1518	24/25	0.94	0.12	56,69,73,76	0
32	UR3	2a	1498	21/22	0.95	0.11	59,63,69,71	0
55	31H	2x	76	32/33	0.95	0.12	42,54,62,74	0
32	M2G	1a	966	25/26	0.95	0.12	55,60,70,72	0
32	MA6	2a	1519	24/25	0.95	0.13	56,65,71,72	0
32	5MC	1a	967	21/22	0.96	0.09	55,61,68,71	0
1	5MC	1A	1942	21/22	0.96	0.09	36,42,49,61	0
1	5MU	2A	1939	21/22	0.96	0.08	34,38,45,47	0
1	5MC	2A	1942	21/22	0.96	0.09	54,59,65,73	0
55	31H	1x	76	32/33	0.96	0.10	24,38,45,54	10
1	5MC	2A	1962	21/22	0.96	0.09	47,51,61,72	0
54	L3X	1w	76	26/27	0.96	0.08	37,42,48,51	0
1	2MA	2A	2503	23/24	0.96	0.10	34,42,44,45	0
32	5MC	1a	1404	21/22	0.96	0.09	39,44,47,47	0
1	PSU	1A	1911	20/21	0.96	0.09	44,49,58,58	0
32	G7M	1a	527	24/25	0.96	0.09	49,54,59,63	0
1	PSU	1A	1917	20/21	0.96	0.08	48,56,61,64	0
32	5MC	1a	1407	21/22	0.97	0.08	34,43,45,46	0
32	MA6	1a	1519	24/25	0.97	0.09	40,45,50,55	0
1	OMC	1A	1920	21/22	0.97	0.08	37,46,49,52	0
32	5MC	1a	1400	21/22	0.97	0.08	41,50,53,55	0
1	OMG	2A	2251	24/25	0.97	0.08	38,44,50,55	0
32	4OC	1a	1402	22/23	0.97	0.07	36,46,53,58	0
1	OMU	2A	2552	21/22	0.97	0.08	37,42,48,51	0
1	PSU	2A	2605	20/21	0.97	0.07	39,45,51,52	0
1	PSU	1A	2605	20/21	0.97	0.07	24,30,35,38	0
1	5MC	1A	1962	21/22	0.98	0.06	27,38,41,46	0
1	OMG	1A	2251	24/25	0.98	0.06	23,28,33,34	0
1	2MA	1A	2503	23/24	0.98	0.06	19,24,28,31	0
1	OMU	1A	2552	21/22	0.98	0.07	26,30,33,37	0
32	UR3	1a	1498	21/22	0.98	0.07	35,44,47,50	0
32	MA6	1a	1518	24/25	0.98	0.09	40,46,49,51	0
1	5MU	1A	1939	21/22	0.98	0.06	24,28,33,34	0

6.3 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

6.4 Ligands ⓘ

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	2j	201	1/1	0.47	0.21	88,88,88,88	0
57	MG	2A	3669	1/1	0.49	0.27	83,83,83,83	0
57	MG	2A	3573	1/1	0.51	0.26	86,86,86,86	0
57	MG	2A	3752	1/1	0.54	0.17	80,80,80,80	0
57	MG	1A	3880	1/1	0.55	0.35	80,80,80,80	0
57	MG	1w	105	1/1	0.56	0.22	88,88,88,88	0
57	MG	1A	3798	1/1	0.58	0.16	61,61,61,61	0
57	MG	2w	101	1/1	0.60	0.21	83,83,83,83	0
57	MG	1B	229	1/1	0.61	0.29	86,86,86,86	0
57	MG	2A	3513	1/1	0.64	0.37	85,85,85,85	0
57	MG	2A	3681	1/1	0.65	0.19	70,70,70,70	0
57	MG	2B	201	1/1	0.66	0.26	82,82,82,82	0
57	MG	2A	3858	1/1	0.67	0.25	75,75,75,75	0
57	MG	2A	3424	1/1	0.68	0.48	88,88,88,88	0
57	MG	2A	3710	1/1	0.68	0.18	71,71,71,71	0
57	MG	2A	3278	1/1	0.68	0.15	75,75,75,75	0
57	MG	2A	3801	1/1	0.68	0.18	71,71,71,71	0
57	MG	2A	3325	1/1	0.68	0.41	79,79,79,79	0
57	MG	2A	3660	1/1	0.68	0.18	78,78,78,78	0
57	MG	2A	3364	1/1	0.68	0.23	77,77,77,77	0
57	MG	2A	3672	1/1	0.68	0.12	76,76,76,76	0
57	MG	2A	3691	1/1	0.69	0.26	74,74,74,74	0
57	MG	2A	3706	1/1	0.69	0.22	76,76,76,76	0
57	MG	1A	3997	1/1	0.69	0.15	64,64,64,64	0
57	MG	2a	1805	1/1	0.69	0.24	71,71,71,71	0
57	MG	2A	3106	1/1	0.69	0.25	71,71,71,71	0
57	MG	2A	3757	1/1	0.69	0.21	66,66,66,66	0
57	MG	2A	3662	1/1	0.70	0.27	70,70,70,70	0
57	MG	1A	3640	1/1	0.70	0.19	80,80,80,80	0
57	MG	2a	1747	1/1	0.70	0.33	77,77,77,77	0
57	MG	2A	3299	1/1	0.71	0.29	84,84,84,84	0
57	MG	1B	231	1/1	0.71	0.14	81,81,81,81	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3539	1/1	0.71	0.19	62,62,62,62	0
57	MG	2A	3817	1/1	0.71	0.18	60,60,60,60	0
57	MG	1A	3360	1/1	0.71	0.24	77,77,77,77	0
57	MG	1A	4064	1/1	0.72	0.15	69,69,69,69	0
57	MG	1x	103	1/1	0.72	0.24	70,70,70,70	0
57	MG	2A	3099	1/1	0.72	0.16	76,76,76,76	0
57	MG	1A	3684	1/1	0.72	0.21	81,81,81,81	0
57	MG	1A	3999	1/1	0.72	0.15	63,63,63,63	0
57	MG	2a	1636	1/1	0.72	0.29	75,75,75,75	0
57	MG	2a	1739	1/1	0.72	0.32	72,72,72,72	0
57	MG	1a	1679	1/1	0.72	0.24	82,82,82,82	0
57	MG	2A	3657	1/1	0.72	0.12	85,85,85,85	0
57	MG	2A	3730	1/1	0.72	0.14	73,73,73,73	0
57	MG	2A	3312	1/1	0.72	0.29	76,76,76,76	0
57	MG	2A	3606	1/1	0.73	0.26	68,68,68,68	0
57	MG	1w	101	1/1	0.73	0.16	81,81,81,81	0
57	MG	2A	3777	1/1	0.73	0.21	75,75,75,75	0
57	MG	1A	3877	1/1	0.73	0.23	72,72,72,72	0
57	MG	1R	207	1/1	0.73	0.20	45,45,45,45	0
57	MG	2A	3336	1/1	0.73	0.11	75,75,75,75	0
57	MG	10	108	1/1	0.73	0.27	74,74,74,74	0
57	MG	1A	3210	1/1	0.73	0.11	79,79,79,79	0
57	MG	2a	1642	1/1	0.73	0.32	83,83,83,83	0
57	MG	2A	3112	1/1	0.73	0.31	83,83,83,83	0
57	MG	2A	3200	1/1	0.73	0.22	74,74,74,74	0
57	MG	1a	1682	1/1	0.73	0.24	80,80,80,80	0
57	MG	2A	3585	1/1	0.73	0.28	75,75,75,75	0
57	MG	2A	3751	1/1	0.73	0.21	50,50,50,50	0
57	MG	2A	3349	1/1	0.74	0.20	59,59,59,59	0
57	MG	2A	3735	1/1	0.74	0.28	72,72,72,72	0
57	MG	2G	201	1/1	0.74	0.34	81,81,81,81	0
57	MG	2A	3255	1/1	0.74	0.20	74,74,74,74	0
57	MG	2a	1638	1/1	0.74	0.36	84,84,84,84	0
57	MG	2A	3371	1/1	0.74	0.29	74,74,74,74	0
57	MG	2a	1709	1/1	0.74	0.27	76,76,76,76	0
57	MG	2A	3686	1/1	0.74	0.14	67,67,67,67	0
57	MG	1A	3707	1/1	0.74	0.20	54,54,54,54	0
57	MG	2a	1787	1/1	0.74	0.26	76,76,76,76	0
57	MG	2A	3332	1/1	0.74	0.27	81,81,81,81	0
57	MG	1A	3520	1/1	0.74	0.28	75,75,75,75	0
57	MG	2A	3845	1/1	0.74	0.32	76,76,76,76	0
57	MG	2A	3294	1/1	0.75	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	16	102	1/1	0.75	0.30	64,64,64,64	0
57	MG	2A	3069	1/1	0.75	0.23	70,70,70,70	0
57	MG	1A	3712	1/1	0.75	0.23	68,68,68,68	0
57	MG	2A	3644	1/1	0.75	0.18	47,47,47,47	0
57	MG	1B	210	1/1	0.75	0.21	71,71,71,71	0
57	MG	2a	1707	1/1	0.75	0.28	81,81,81,81	0
57	MG	1a	1703	1/1	0.75	0.26	73,73,73,73	0
57	MG	2A	3197	1/1	0.75	0.33	86,86,86,86	0
57	MG	1a	1722	1/1	0.75	0.45	75,75,75,75	0
57	MG	2A	3215	1/1	0.75	0.23	67,67,67,67	0
57	MG	2A	3810	1/1	0.75	0.16	59,59,59,59	0
57	MG	1U	210	1/1	0.75	0.43	66,66,66,66	0
57	MG	1A	3938	1/1	0.75	0.17	69,69,69,69	0
57	MG	1E	310	1/1	0.76	0.23	80,80,80,80	0
57	MG	2B	214	1/1	0.76	0.17	79,79,79,79	0
57	MG	1w	103	1/1	0.76	0.17	78,78,78,78	0
57	MG	2a	1608	1/1	0.76	0.26	75,75,75,75	0
57	MG	2A	3372	1/1	0.76	0.18	70,70,70,70	0
57	MG	2A	3195	1/1	0.76	0.19	69,69,69,69	0
57	MG	2A	3496	1/1	0.76	0.18	77,77,77,77	0
57	MG	2A	3258	1/1	0.76	0.18	74,74,74,74	0
57	MG	2A	3676	1/1	0.76	0.22	65,65,65,65	0
57	MG	2a	1712	1/1	0.76	0.31	78,78,78,78	0
57	MG	1a	1793	1/1	0.76	0.27	78,78,78,78	0
57	MG	2A	3199	1/1	0.76	0.35	70,70,70,70	0
57	MG	2A	3352	1/1	0.76	0.28	77,77,77,77	0
57	MG	2A	3705	1/1	0.76	0.20	79,79,79,79	0
57	MG	2a	1821	1/1	0.76	0.23	75,75,75,75	0
57	MG	2A	3850	1/1	0.76	0.21	65,65,65,65	0
57	MG	2v	103	1/1	0.76	0.43	79,79,79,79	0
57	MG	2A	3357	1/1	0.76	0.32	63,63,63,63	0
57	MG	2a	1622	1/1	0.77	0.26	81,81,81,81	0
57	MG	2A	3218	1/1	0.77	0.40	73,73,73,73	0
57	MG	2A	3485	1/1	0.77	0.24	69,69,69,69	0
57	MG	1A	3851	1/1	0.77	0.16	83,83,83,83	0
57	MG	2a	1699	1/1	0.77	0.15	71,71,71,71	0
57	MG	1A	3806	1/1	0.77	0.20	70,70,70,70	0
57	MG	1A	4010	1/1	0.77	0.11	77,77,77,77	0
57	MG	2A	3683	1/1	0.77	0.20	79,79,79,79	0
57	MG	2a	1714	1/1	0.77	0.38	71,71,71,71	0
57	MG	2A	3279	1/1	0.77	0.19	68,68,68,68	0
57	MG	2A	3062	1/1	0.77	0.13	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3214	1/1	0.77	0.23	62,62,62,62	0
57	MG	2a	1804	1/1	0.77	0.22	76,76,76,76	0
57	MG	2A	3609	1/1	0.77	0.23	65,65,65,65	0
57	MG	2A	3166	1/1	0.77	0.12	74,74,74,74	0
57	MG	2i	201	1/1	0.77	0.11	77,77,77,77	0
57	MG	2A	3321	1/1	0.77	0.25	69,69,69,69	0
57	MG	2A	3388	1/1	0.77	0.22	71,71,71,71	0
57	MG	2A	3741	1/1	0.77	0.20	67,67,67,67	0
57	MG	2A	3770	1/1	0.78	0.18	50,50,50,50	0
57	MG	2A	3704	1/1	0.78	0.18	74,74,74,74	0
57	MG	1a	1720	1/1	0.78	0.31	71,71,71,71	0
57	MG	1A	3858	1/1	0.78	0.21	62,62,62,62	0
57	MG	2A	3277	1/1	0.78	0.39	73,73,73,73	0
57	MG	2A	3711	1/1	0.78	0.21	73,73,73,73	0
57	MG	2A	3719	1/1	0.78	0.20	70,70,70,70	0
57	MG	2A	3857	1/1	0.78	0.17	66,66,66,66	0
57	MG	2A	3720	1/1	0.78	0.19	60,60,60,60	0
57	MG	1a	1784	1/1	0.78	0.13	81,81,81,81	0
57	MG	2A	3333	1/1	0.78	0.38	76,76,76,76	0
57	MG	2B	216	1/1	0.78	0.15	64,64,64,64	0
57	MG	2a	1817	1/1	0.78	0.21	74,74,74,74	0
57	MG	2a	1820	1/1	0.78	0.25	69,69,69,69	0
57	MG	2F	307	1/1	0.78	0.15	72,72,72,72	0
57	MG	1A	3678	1/1	0.78	0.14	63,63,63,63	0
57	MG	2A	3630	1/1	0.78	0.24	64,64,64,64	0
57	MG	2t	201	1/1	0.78	0.19	66,66,66,66	0
57	MG	2A	3175	1/1	0.78	0.19	58,58,58,58	0
57	MG	1a	1636	1/1	0.78	0.42	89,89,89,89	0
57	MG	2y	101	1/1	0.78	0.18	78,78,78,78	0
57	MG	2A	3687	1/1	0.79	0.33	78,78,78,78	0
57	MG	2A	3274	1/1	0.79	0.11	77,77,77,77	0
57	MG	2a	1808	1/1	0.79	0.20	77,77,77,77	0
57	MG	2a	1812	1/1	0.79	0.15	79,79,79,79	0
57	MG	2a	1671	1/1	0.79	0.16	71,71,71,71	0
57	MG	2A	3378	1/1	0.79	0.14	69,69,69,69	0
57	MG	2A	3675	1/1	0.79	0.19	64,64,64,64	0
57	MG	2A	3115	1/1	0.79	0.23	77,77,77,77	0
57	MG	20	101	1/1	0.79	0.27	74,74,74,74	0
57	MG	2q	202	1/1	0.79	0.12	81,81,81,81	0
57	MG	2A	3324	1/1	0.79	0.20	66,66,66,66	0
57	MG	2A	3481	1/1	0.79	0.31	76,76,76,76	0
57	MG	2a	1626	1/1	0.79	0.25	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1799	1/1	0.79	0.12	72,72,72,72	0
57	MG	1A	3809	1/1	0.80	0.12	49,49,49,49	0
57	MG	2A	3209	1/1	0.80	0.17	72,72,72,72	0
57	MG	2A	3627	1/1	0.80	0.18	84,84,84,84	0
57	MG	2A	3342	1/1	0.80	0.31	81,81,81,81	0
57	MG	2a	1645	1/1	0.80	0.14	64,64,64,64	0
57	MG	2a	1656	1/1	0.80	0.34	76,76,76,76	0
57	MG	1A	4001	1/1	0.80	0.12	46,46,46,46	0
57	MG	1A	3831	1/1	0.80	0.21	73,73,73,73	0
57	MG	1x	101	1/1	0.80	0.31	71,71,71,71	0
57	MG	2A	3363	1/1	0.80	0.28	64,64,64,64	0
57	MG	2A	3664	1/1	0.80	0.13	67,67,67,67	0
57	MG	1A	4026	1/1	0.80	0.12	71,71,71,71	0
57	MG	2a	1730	1/1	0.80	0.21	83,83,83,83	0
57	MG	1a	1677	1/1	0.80	0.28	78,78,78,78	0
57	MG	1A	3347	1/1	0.80	0.25	65,65,65,65	0
57	MG	2a	1769	1/1	0.80	0.19	83,83,83,83	0
57	MG	2A	3837	1/1	0.80	0.14	71,71,71,71	0
57	MG	2a	1789	1/1	0.80	0.24	86,86,86,86	0
57	MG	1A	3545	1/1	0.80	0.23	60,60,60,60	0
57	MG	1A	3607	1/1	0.80	0.16	38,38,38,38	0
57	MG	2A	3392	1/1	0.80	0.17	75,75,75,75	0
57	MG	1a	1707	1/1	0.80	0.18	80,80,80,80	0
57	MG	2a	1815	1/1	0.80	0.19	77,77,77,77	0
57	MG	2A	3436	1/1	0.80	0.28	64,64,64,64	0
57	MG	2B	211	1/1	0.80	0.31	83,83,83,83	0
57	MG	1B	230	1/1	0.80	0.20	73,73,73,73	0
57	MG	1A	3219	1/1	0.80	0.19	65,65,65,65	0
57	MG	2A	3167	1/1	0.80	0.22	78,78,78,78	0
57	MG	1a	1759	1/1	0.80	0.16	68,68,68,68	0
57	MG	2T	3502	1/1	0.80	0.22	76,76,76,76	0
57	MG	1A	3514	1/1	0.80	0.22	68,68,68,68	0
57	MG	1O	205	1/1	0.80	0.13	76,76,76,76	0
57	MG	1A	3807	1/1	0.80	0.22	51,51,51,51	0
57	MG	1A	4022	1/1	0.81	0.15	84,84,84,84	0
57	MG	2A	3446	1/1	0.81	0.28	75,75,75,75	0
57	MG	1A	3305	1/1	0.81	0.27	52,52,52,52	0
57	MG	2A	3168	1/1	0.81	0.19	76,76,76,76	0
57	MG	1A	4048	1/1	0.81	0.16	58,58,58,58	0
57	MG	2A	3190	1/1	0.81	0.36	77,77,77,77	0
57	MG	2a	1746	1/1	0.81	0.28	75,75,75,75	0
57	MG	1A	3314	1/1	0.81	0.16	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	1t	201	1/1	0.81	0.26	69,69,69,69	0
57	MG	1a	1676	1/1	0.81	0.20	70,70,70,70	0
57	MG	2E	307	1/1	0.81	0.16	60,60,60,60	0
57	MG	2a	1795	1/1	0.81	0.16	64,64,64,64	0
57	MG	2A	3597	1/1	0.81	0.15	71,71,71,71	0
57	MG	1A	3532	1/1	0.81	0.24	79,79,79,79	0
57	MG	1A	3040	1/1	0.81	0.26	61,61,61,61	0
57	MG	1A	3976	1/1	0.81	0.20	69,69,69,69	0
57	MG	1a	1685	1/1	0.81	0.24	73,73,73,73	0
57	MG	2a	1610	1/1	0.81	0.26	69,69,69,69	0
57	MG	2A	3051	1/1	0.81	0.18	75,75,75,75	0
57	MG	1A	3169	1/1	0.81	0.23	66,66,66,66	0
57	MG	1A	3382	1/1	0.81	0.18	57,57,57,57	0
57	MG	2A	3088	1/1	0.81	0.12	65,65,65,65	0
57	MG	1A	3425	1/1	0.81	0.19	73,73,73,73	0
57	MG	1A	3479	1/1	0.81	0.26	75,75,75,75	0
57	MG	1a	1728	1/1	0.81	0.26	59,59,59,59	0
57	MG	2A	3422	1/1	0.81	0.29	66,66,66,66	0
57	MG	2w	104	1/1	0.81	0.19	82,82,82,82	0
57	MG	1a	1734	1/1	0.81	0.22	80,80,80,80	0
57	MG	1A	3583	1/1	0.82	0.19	67,67,67,67	0
57	MG	1s	101	1/1	0.82	0.17	78,78,78,78	0
57	MG	2T	3503	1/1	0.82	0.19	52,52,52,52	0
57	MG	2W	201	1/1	0.82	0.14	72,72,72,72	0
57	MG	1A	3079	1/1	0.82	0.19	64,64,64,64	0
57	MG	1a	1631	1/1	0.82	0.43	75,75,75,75	0
57	MG	2A	3208	1/1	0.82	0.11	68,68,68,68	0
57	MG	1A	3502	1/1	0.82	0.20	66,66,66,66	0
57	MG	1A	3646	1/1	0.82	0.12	64,64,64,64	0
57	MG	2A	3384	1/1	0.82	0.32	65,65,65,65	0
57	MG	2A	3386	1/1	0.82	0.18	69,69,69,69	0
57	MG	1A	3510	1/1	0.82	0.16	65,65,65,65	0
57	MG	1A	3399	1/1	0.82	0.11	55,55,55,55	0
57	MG	2A	3231	1/1	0.82	0.43	56,56,56,56	0
57	MG	2a	1669	1/1	0.82	0.31	70,70,70,70	0
57	MG	2A	3709	1/1	0.82	0.13	43,43,43,43	0
57	MG	2A	3244	1/1	0.82	0.15	63,63,63,63	0
57	MG	2A	3426	1/1	0.82	0.26	62,62,62,62	0
57	MG	2A	3427	1/1	0.82	0.27	57,57,57,57	0
57	MG	1x	111	1/1	0.82	0.15	65,65,65,65	0
57	MG	1B	213	1/1	0.82	0.20	75,75,75,75	0
57	MG	2a	1721	1/1	0.82	0.27	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3472	1/1	0.82	0.15	64,64,64,64	0
57	MG	2a	1738	1/1	0.82	0.32	65,65,65,65	0
57	MG	1B	225	1/1	0.82	0.13	62,62,62,62	0
57	MG	2A	3748	1/1	0.82	0.21	66,66,66,66	0
57	MG	1A	3933	1/1	0.82	0.13	58,58,58,58	0
57	MG	2a	1760	1/1	0.82	0.21	85,85,85,85	0
57	MG	1A	3405	1/1	0.82	0.15	74,74,74,74	0
57	MG	2A	3510	1/1	0.82	0.15	56,56,56,56	0
57	MG	1A	3246	1/1	0.82	0.36	73,73,73,73	0
57	MG	2a	1793	1/1	0.82	0.14	67,67,67,67	0
57	MG	2A	3289	1/1	0.82	0.29	68,68,68,68	0
57	MG	2A	3559	1/1	0.82	0.20	48,48,48,48	0
57	MG	1A	3985	1/1	0.82	0.12	69,69,69,69	0
57	MG	1A	3430	1/1	0.82	0.18	65,65,65,65	0
57	MG	1A	3549	1/1	0.82	0.29	60,60,60,60	0
57	MG	2A	3152	1/1	0.82	0.27	73,73,73,73	0
57	MG	1a	1737	1/1	0.82	0.35	83,83,83,83	0
57	MG	2A	3617	1/1	0.82	0.25	77,77,77,77	0
57	MG	1A	3554	1/1	0.82	0.13	54,54,54,54	0
57	MG	2A	3861	1/1	0.82	0.23	76,76,76,76	0
57	MG	1V	207	1/1	0.82	0.20	63,63,63,63	0
57	MG	2B	206	1/1	0.82	0.21	83,83,83,83	0
57	MG	2A	3170	1/1	0.82	0.19	84,84,84,84	0
57	MG	1a	1792	1/1	0.82	0.18	70,70,70,70	0
57	MG	2A	3338	1/1	0.82	0.20	60,60,60,60	0
57	MG	2A	3187	1/1	0.82	0.19	72,72,72,72	0
57	MG	1Y	202	1/1	0.82	0.10	64,64,64,64	0
57	MG	1O	204	1/1	0.83	0.14	66,66,66,66	0
57	MG	2a	1612	1/1	0.83	0.27	72,72,72,72	0
57	MG	2A	3101	1/1	0.83	0.20	74,74,74,74	0
57	MG	2A	3102	1/1	0.83	0.18	80,80,80,80	0
57	MG	2a	1631	1/1	0.83	0.23	63,63,63,63	0
57	MG	1A	3835	1/1	0.83	0.13	71,71,71,71	0
57	MG	1A	3331	1/1	0.83	0.18	59,59,59,59	0
57	MG	1S	201	1/1	0.83	0.22	43,43,43,43	0
57	MG	2A	3453	1/1	0.83	0.32	79,79,79,79	0
57	MG	2A	3120	1/1	0.83	0.25	79,79,79,79	0
57	MG	2A	3290	1/1	0.83	0.18	73,73,73,73	0
57	MG	2A	3484	1/1	0.83	0.18	62,62,62,62	0
57	MG	2a	1680	1/1	0.83	0.23	77,77,77,77	0
57	MG	2a	1682	1/1	0.83	0.15	65,65,65,65	0
57	MG	2a	1688	1/1	0.83	0.32	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1689	1/1	0.83	0.20	73,73,73,73	0
57	MG	2A	3123	1/1	0.83	0.16	81,81,81,81	0
57	MG	2A	3744	1/1	0.83	0.16	76,76,76,76	0
57	MG	2A	3297	1/1	0.83	0.22	74,74,74,74	0
57	MG	2A	3148	1/1	0.83	0.29	71,71,71,71	0
57	MG	1A	3381	1/1	0.83	0.19	60,60,60,60	0
57	MG	2a	1720	1/1	0.83	0.28	72,72,72,72	0
57	MG	1A	3874	1/1	0.83	0.24	52,52,52,52	0
57	MG	2A	3761	1/1	0.83	0.14	72,72,72,72	0
57	MG	2a	1736	1/1	0.83	0.23	75,75,75,75	0
57	MG	1a	1788	1/1	0.83	0.16	83,83,83,83	0
57	MG	1A	3481	1/1	0.83	0.12	62,62,62,62	0
57	MG	2A	3790	1/1	0.83	0.16	74,74,74,74	0
57	MG	1A	3636	1/1	0.83	0.18	61,61,61,61	0
57	MG	2a	1750	1/1	0.83	0.20	87,87,87,87	0
57	MG	1A	3639	1/1	0.83	0.20	62,62,62,62	0
57	MG	2a	1761	1/1	0.83	0.14	70,70,70,70	0
57	MG	1a	1800	1/1	0.83	0.15	51,51,51,51	0
57	MG	2a	1786	1/1	0.83	0.11	85,85,85,85	0
57	MG	2A	3337	1/1	0.83	0.13	72,72,72,72	0
57	MG	1A	4070	1/1	0.83	0.11	70,70,70,70	0
57	MG	1B	202	1/1	0.83	0.18	59,59,59,59	0
57	MG	2A	3344	1/1	0.83	0.13	61,61,61,61	0
57	MG	1a	1659	1/1	0.83	0.27	78,78,78,78	0
57	MG	1B	207	1/1	0.83	0.14	75,75,75,75	0
57	MG	2A	3354	1/1	0.83	0.17	79,79,79,79	0
57	MG	1A	3489	1/1	0.83	0.14	71,71,71,71	0
57	MG	1A	3944	1/1	0.83	0.11	30,30,30,30	0
57	MG	1A	3950	1/1	0.83	0.18	83,83,83,83	0
57	MG	1A	3026	1/1	0.83	0.18	73,73,73,73	0
57	MG	1a	1692	1/1	0.83	0.17	86,86,86,86	0
57	MG	1A	3978	1/1	0.83	0.14	70,70,70,70	0
57	MG	2A	3221	1/1	0.83	0.21	63,63,63,63	0
57	MG	1A	3814	1/1	0.83	0.18	65,65,65,65	0
57	MG	1A	3508	1/1	0.83	0.21	71,71,71,71	0
57	MG	2A	3389	1/1	0.83	0.15	69,69,69,69	0
57	MG	2A	3253	1/1	0.83	0.12	78,78,78,78	0
57	MG	2w	102	1/1	0.83	0.21	71,71,71,71	0
57	MG	2a	1603	1/1	0.83	0.14	83,83,83,83	0
57	MG	2A	3693	1/1	0.83	0.19	58,58,58,58	0
57	MG	1A	3945	1/1	0.84	0.13	66,66,66,66	0
57	MG	2A	3796	1/1	0.84	0.20	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	3470	1/1	0.84	0.18	67,67,67,67	0
57	MG	1D	311	1/1	0.84	0.29	78,78,78,78	0
57	MG	2a	1700	1/1	0.84	0.39	80,80,80,80	0
57	MG	2a	1701	1/1	0.84	0.24	69,69,69,69	0
57	MG	1A	3255	1/1	0.84	0.28	57,57,57,57	0
57	MG	2a	1708	1/1	0.84	0.22	70,70,70,70	0
57	MG	2A	3405	1/1	0.84	0.27	60,60,60,60	0
57	MG	1w	107	1/1	0.84	0.09	69,69,69,69	0
57	MG	1A	3811	1/1	0.84	0.15	65,65,65,65	0
57	MG	2a	1719	1/1	0.84	0.21	74,74,74,74	0
57	MG	2A	3316	1/1	0.84	0.18	51,51,51,51	0
57	MG	1A	4067	1/1	0.84	0.16	66,66,66,66	0
57	MG	1A	4069	1/1	0.84	0.10	50,50,50,50	0
57	MG	1A	3982	1/1	0.84	0.11	74,74,74,74	0
57	MG	2A	3204	1/1	0.84	0.16	64,64,64,64	0
57	MG	2A	3454	1/1	0.84	0.29	63,63,63,63	0
57	MG	1T	201	1/1	0.84	0.28	69,69,69,69	0
57	MG	2A	3334	1/1	0.84	0.22	73,73,73,73	0
57	MG	2B	219	1/1	0.84	0.25	78,78,78,78	0
57	MG	2A	3700	1/1	0.84	0.14	59,59,59,59	0
57	MG	2A	3702	1/1	0.84	0.10	65,65,65,65	0
57	MG	2a	1768	1/1	0.84	0.09	87,87,87,87	0
57	MG	1U	203	1/1	0.84	0.13	60,60,60,60	0
57	MG	1A	4075	1/1	0.84	0.22	58,58,58,58	0
57	MG	1A	3426	1/1	0.84	0.11	56,56,56,56	0
57	MG	2A	3498	1/1	0.84	0.28	77,77,77,77	0
57	MG	1A	3993	1/1	0.84	0.14	40,40,40,40	0
57	MG	1A	3930	1/1	0.84	0.12	47,47,47,47	0
57	MG	2a	1801	1/1	0.84	0.15	75,75,75,75	0
57	MG	2A	3535	1/1	0.84	0.16	74,74,74,74	0
57	MG	1a	1780	1/1	0.84	0.18	80,80,80,80	0
57	MG	2A	3724	1/1	0.84	0.15	68,68,68,68	0
57	MG	1A	3728	1/1	0.84	0.14	58,58,58,58	0
57	MG	1a	1624	1/1	0.84	0.14	59,59,59,59	0
57	MG	2a	1630	1/1	0.84	0.25	78,78,78,78	0
57	MG	1A	3423	1/1	0.84	0.18	67,67,67,67	0
57	MG	1B	228	1/1	0.84	0.13	74,74,74,74	0
57	MG	2a	1825	1/1	0.84	0.26	72,72,72,72	0
57	MG	2A	3273	1/1	0.84	0.25	75,75,75,75	0
57	MG	2A	3607	1/1	0.84	0.16	66,66,66,66	0
57	MG	1a	1647	1/1	0.84	0.14	62,62,62,62	0
57	MG	2a	1648	1/1	0.84	0.25	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3464	1/1	0.84	0.14	63,63,63,63	0
57	MG	1a	1825	1/1	0.84	0.25	69,69,69,69	0
57	MG	1a	1662	1/1	0.84	0.12	74,74,74,74	0
57	MG	2a	1679	1/1	0.84	0.15	75,75,75,75	0
57	MG	2x	102	1/1	0.84	0.31	75,75,75,75	0
57	MG	2A	3637	1/1	0.84	0.18	47,47,47,47	0
57	MG	2A	3701	1/1	0.85	0.16	62,62,62,62	0
57	MG	1A	3359	1/1	0.85	0.13	62,62,62,62	0
57	MG	2A	3703	1/1	0.85	0.16	68,68,68,68	0
57	MG	2a	1644	1/1	0.85	0.14	77,77,77,77	0
57	MG	2A	3070	1/1	0.85	0.10	47,47,47,47	0
57	MG	1A	3182	1/1	0.85	0.33	58,58,58,58	0
57	MG	2a	1650	1/1	0.85	0.19	80,80,80,80	0
57	MG	2A	3266	1/1	0.85	0.23	78,78,78,78	0
57	MG	2A	3094	1/1	0.85	0.10	74,74,74,74	0
57	MG	1A	3812	1/1	0.85	0.24	72,72,72,72	0
57	MG	1A	3695	1/1	0.85	0.10	31,31,31,31	0
57	MG	1a	1752	1/1	0.85	0.18	62,62,62,62	0
57	MG	1A	4077	1/1	0.85	0.12	60,60,60,60	0
57	MG	1a	1765	1/1	0.85	0.28	68,68,68,68	0
57	MG	1A	3962	1/1	0.85	0.09	24,24,24,24	0
57	MG	2a	1694	1/1	0.85	0.18	77,77,77,77	0
57	MG	1a	1783	1/1	0.85	0.11	75,75,75,75	0
57	MG	15	106	1/1	0.85	0.15	72,72,72,72	0
57	MG	1a	1787	1/1	0.85	0.19	77,77,77,77	0
57	MG	2a	1706	1/1	0.85	0.20	76,76,76,76	0
57	MG	1A	3972	1/1	0.85	0.19	64,64,64,64	0
57	MG	1a	1790	1/1	0.85	0.13	61,61,61,61	0
57	MG	2A	3318	1/1	0.85	0.26	72,72,72,72	0
57	MG	1A	3621	1/1	0.85	0.18	50,50,50,50	0
57	MG	1a	1629	1/1	0.85	0.33	77,77,77,77	0
57	MG	1A	3539	1/1	0.85	0.17	63,63,63,63	0
57	MG	2A	3775	1/1	0.85	0.18	69,69,69,69	0
57	MG	1B	221	1/1	0.85	0.21	64,64,64,64	0
57	MG	2A	3183	1/1	0.85	0.14	55,55,55,55	0
57	MG	1a	1823	1/1	0.85	0.17	63,63,63,63	0
57	MG	2A	3592	1/1	0.85	0.20	75,75,75,75	0
57	MG	1B	222	1/1	0.85	0.17	59,59,59,59	0
57	MG	1A	3716	1/1	0.85	0.15	62,62,62,62	0
57	MG	1A	3638	1/1	0.85	0.09	18,18,18,18	0
57	MG	1v	101	1/1	0.85	0.18	75,75,75,75	0
57	MG	1A	3862	1/1	0.85	0.15	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3347	1/1	0.85	0.10	68,68,68,68	0
57	MG	2a	1767	1/1	0.85	0.11	75,75,75,75	0
57	MG	1A	3732	1/1	0.85	0.20	64,64,64,64	0
57	MG	2A	3634	1/1	0.85	0.12	62,62,62,62	0
57	MG	2a	1781	1/1	0.85	0.23	88,88,88,88	0
57	MG	1A	3788	1/1	0.85	0.15	89,89,89,89	0
57	MG	2A	3353	1/1	0.85	0.18	73,73,73,73	0
57	MG	2A	3652	1/1	0.85	0.11	49,49,49,49	0
57	MG	2a	1791	1/1	0.85	0.14	67,67,67,67	0
57	MG	2A	3654	1/1	0.85	0.31	74,74,74,74	0
57	MG	1A	3297	1/1	0.85	0.20	70,70,70,70	0
57	MG	2A	3355	1/1	0.85	0.10	61,61,61,61	0
57	MG	2E	301	1/1	0.85	0.20	61,61,61,61	0
57	MG	2E	303	1/1	0.85	0.18	74,74,74,74	0
57	MG	2A	3213	1/1	0.85	0.26	54,54,54,54	0
57	MG	1A	3881	1/1	0.85	0.13	29,29,29,29	0
57	MG	1A	3893	1/1	0.85	0.22	79,79,79,79	0
57	MG	2Q	202	1/1	0.85	0.25	67,67,67,67	0
57	MG	2A	3366	1/1	0.85	0.30	77,77,77,77	0
57	MG	2A	3370	1/1	0.85	0.34	70,70,70,70	0
57	MG	1x	107	1/1	0.85	0.10	68,68,68,68	0
57	MG	1A	3899	1/1	0.85	0.21	73,73,73,73	0
57	MG	2I	101	1/1	0.85	0.40	59,59,59,59	0
57	MG	2A	3682	1/1	0.85	0.17	78,78,78,78	0
57	MG	2A	3373	1/1	0.85	0.12	66,66,66,66	0
57	MG	2A	3685	1/1	0.85	0.12	64,64,64,64	0
57	MG	1A	3357	1/1	0.85	0.16	66,66,66,66	0
57	MG	2A	3240	1/1	0.85	0.33	65,65,65,65	0
57	MG	2A	3241	1/1	0.85	0.31	54,54,54,54	0
57	MG	1A	3397	1/1	0.85	0.24	32,32,32,32	0
57	MG	2A	3249	1/1	0.85	0.39	79,79,79,79	0
57	MG	23	101	1/1	0.86	0.30	78,78,78,78	0
57	MG	1a	1794	1/1	0.86	0.10	73,73,73,73	0
57	MG	1A	4089	1/1	0.86	0.18	42,42,42,42	0
57	MG	1A	3006	1/1	0.86	0.26	70,70,70,70	0
57	MG	1a	1804	1/1	0.86	0.12	51,51,51,51	0
57	MG	2a	1614	1/1	0.86	0.17	65,65,65,65	0
57	MG	1A	3376	1/1	0.86	0.17	54,54,54,54	0
57	MG	2A	3665	1/1	0.86	0.14	73,73,73,73	0
57	MG	1A	3350	1/1	0.86	0.18	59,59,59,59	0
57	MG	1I	201	1/1	0.86	0.28	73,73,73,73	0
57	MG	1B	211	1/1	0.86	0.13	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	1A	3979	1/1	0.86	0.14	70,70,70,70	0
57	MG	2a	1641	1/1	0.86	0.17	80,80,80,80	0
57	MG	2A	3207	1/1	0.86	0.15	67,67,67,67	0
57	MG	1A	3499	1/1	0.86	0.28	58,58,58,58	0
57	MG	1a	1665	1/1	0.86	0.12	61,61,61,61	0
57	MG	2a	1647	1/1	0.86	0.14	73,73,73,73	0
57	MG	1w	102	1/1	0.86	0.21	74,74,74,74	0
57	MG	1A	3558	1/1	0.86	0.12	61,61,61,61	0
57	MG	2a	1651	1/1	0.86	0.15	62,62,62,62	0
57	MG	1w	104	1/1	0.86	0.13	74,74,74,74	0
57	MG	2a	1660	1/1	0.86	0.13	67,67,67,67	0
57	MG	2a	1667	1/1	0.86	0.12	67,67,67,67	0
57	MG	1A	3329	1/1	0.86	0.20	56,56,56,56	0
57	MG	1A	3995	1/1	0.86	0.11	56,56,56,56	0
57	MG	2a	1672	1/1	0.86	0.22	65,65,65,65	0
57	MG	1A	3593	1/1	0.86	0.35	71,71,71,71	0
57	MG	2A	3379	1/1	0.86	0.15	67,67,67,67	0
57	MG	2A	3382	1/1	0.86	0.13	76,76,76,76	0
57	MG	1A	3358	1/1	0.86	0.07	43,43,43,43	0
57	MG	1A	3745	1/1	0.86	0.11	55,55,55,55	0
57	MG	2A	3242	1/1	0.86	0.14	67,67,67,67	0
57	MG	1a	1695	1/1	0.86	0.26	63,63,63,63	0
57	MG	2A	3020	1/1	0.86	0.16	68,68,68,68	0
57	MG	2A	3040	1/1	0.86	0.21	65,65,65,65	0
57	MG	2A	3411	1/1	0.86	0.12	56,56,56,56	0
57	MG	1a	1697	1/1	0.86	0.11	63,63,63,63	0
57	MG	1A	4004	1/1	0.86	0.11	33,33,33,33	0
57	MG	2A	3261	1/1	0.86	0.12	53,53,53,53	0
57	MG	1A	4009	1/1	0.86	0.14	66,66,66,66	0
57	MG	2A	3435	1/1	0.86	0.34	65,65,65,65	0
57	MG	1A	3197	1/1	0.86	0.29	58,58,58,58	0
57	MG	1A	3623	1/1	0.86	0.20	64,64,64,64	0
57	MG	1A	3469	1/1	0.86	0.10	64,64,64,64	0
57	MG	2a	1722	1/1	0.86	0.25	70,70,70,70	0
57	MG	2a	1727	1/1	0.86	0.29	74,74,74,74	0
57	MG	2a	1728	1/1	0.86	0.11	63,63,63,63	0
57	MG	2A	3098	1/1	0.86	0.27	77,77,77,77	0
57	MG	2A	3465	1/1	0.86	0.23	60,60,60,60	0
57	MG	2A	3467	1/1	0.86	0.20	57,57,57,57	0
57	MG	1A	3404	1/1	0.86	0.28	69,69,69,69	0
57	MG	2A	3475	1/1	0.86	0.30	68,68,68,68	0
57	MG	2A	3281	1/1	0.86	0.15	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	2A	3283	1/1	0.86	0.16	61,61,61,61	0
57	MG	1A	3529	1/1	0.86	0.15	62,62,62,62	0
57	MG	2A	3486	1/1	0.86	0.25	52,52,52,52	0
57	MG	2A	3798	1/1	0.86	0.10	80,80,80,80	0
57	MG	2A	3489	1/1	0.86	0.33	64,64,64,64	0
57	MG	1A	4066	1/1	0.86	0.07	19,19,19,19	0
57	MG	2A	3105	1/1	0.86	0.17	62,62,62,62	0
57	MG	1a	1753	1/1	0.86	0.13	60,60,60,60	0
57	MG	1A	3531	1/1	0.86	0.24	75,75,75,75	0
57	MG	2A	3534	1/1	0.86	0.20	60,60,60,60	0
57	MG	2A	3301	1/1	0.86	0.26	81,81,81,81	0
57	MG	2A	3305	1/1	0.86	0.15	60,60,60,60	0
57	MG	2A	3549	1/1	0.86	0.15	53,53,53,53	0
57	MG	2A	3307	1/1	0.86	0.15	63,63,63,63	0
57	MG	2B	203	1/1	0.86	0.26	79,79,79,79	0
57	MG	2A	3569	1/1	0.86	0.11	38,38,38,38	0
57	MG	1A	3476	1/1	0.86	0.21	59,59,59,59	0
57	MG	2A	3315	1/1	0.86	0.15	62,62,62,62	0
57	MG	1A	3664	1/1	0.86	0.10	33,33,33,33	0
57	MG	1A	3957	1/1	0.86	0.10	56,56,56,56	0
57	MG	2a	1818	1/1	0.86	0.13	87,87,87,87	0
57	MG	2A	3604	1/1	0.86	0.15	74,74,74,74	0
57	MG	2A	3319	1/1	0.86	0.12	57,57,57,57	0
57	MG	1A	3825	1/1	0.86	0.14	55,55,55,55	0
57	MG	2A	3323	1/1	0.86	0.20	64,64,64,64	0
57	MG	1A	4088	1/1	0.86	0.15	44,44,44,44	0
57	MG	2A	3159	1/1	0.86	0.19	64,64,64,64	0
57	MG	2R	202	1/1	0.86	0.16	64,64,64,64	0
57	MG	2T	3501	1/1	0.86	0.20	71,71,71,71	0
57	MG	1a	1601	1/1	0.86	0.27	72,72,72,72	0
57	MG	1a	1613	1/1	0.86	0.28	68,68,68,68	0
57	MG	1a	1614	1/1	0.86	0.10	63,63,63,63	0
57	MG	1a	1619	1/1	0.86	0.13	46,46,46,46	0
57	MG	2A	3171	1/1	0.86	0.18	61,61,61,61	0
57	MG	2a	1606	1/1	0.87	0.35	79,79,79,79	0
57	MG	2A	3653	1/1	0.87	0.22	70,70,70,70	0
57	MG	1A	3581	1/1	0.87	0.17	50,50,50,50	0
57	MG	2a	1611	1/1	0.87	0.18	66,66,66,66	0
57	MG	1A	3800	1/1	0.87	0.12	56,56,56,56	0
57	MG	1a	1669	1/1	0.87	0.10	54,54,54,54	0
57	MG	1a	1673	1/1	0.87	0.24	68,68,68,68	0
57	MG	1A	3472	1/1	0.87	0.11	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	1627	1/1	0.87	0.32	71,71,71,71	0
57	MG	1A	3344	1/1	0.87	0.19	63,63,63,63	0
57	MG	2A	3668	1/1	0.87	0.14	50,50,50,50	0
57	MG	1A	3082	1/1	0.87	0.20	44,44,44,44	0
57	MG	2A	3232	1/1	0.87	0.22	46,46,46,46	0
57	MG	2A	3236	1/1	0.87	0.20	68,68,68,68	0
57	MG	1a	1680	1/1	0.87	0.25	74,74,74,74	0
57	MG	1A	3290	1/1	0.87	0.28	48,48,48,48	0
57	MG	1A	3102	1/1	0.87	0.18	60,60,60,60	0
57	MG	2A	3008	1/1	0.87	0.14	57,57,57,57	0
57	MG	2A	3247	1/1	0.87	0.19	61,61,61,61	0
57	MG	2a	1649	1/1	0.87	0.18	73,73,73,73	0
57	MG	1A	3148	1/1	0.87	0.33	42,42,42,42	0
57	MG	2A	3391	1/1	0.87	0.15	78,78,78,78	0
57	MG	2A	3252	1/1	0.87	0.24	71,71,71,71	0
57	MG	2a	1657	1/1	0.87	0.18	86,86,86,86	0
57	MG	2A	3395	1/1	0.87	0.14	71,71,71,71	0
57	MG	2A	3404	1/1	0.87	0.23	48,48,48,48	0
57	MG	1A	3312	1/1	0.87	0.21	56,56,56,56	0
57	MG	1A	3830	1/1	0.87	0.15	61,61,61,61	0
57	MG	2A	3414	1/1	0.87	0.26	68,68,68,68	0
57	MG	2A	3419	1/1	0.87	0.21	65,65,65,65	0
57	MG	1A	3157	1/1	0.87	0.16	33,33,33,33	0
57	MG	1F	310	1/1	0.87	0.13	55,55,55,55	0
57	MG	1a	1710	1/1	0.87	0.17	69,69,69,69	0
57	MG	2A	3086	1/1	0.87	0.28	73,73,73,73	0
57	MG	2A	3433	1/1	0.87	0.13	69,69,69,69	0
57	MG	2A	3087	1/1	0.87	0.19	59,59,59,59	0
57	MG	2A	3275	1/1	0.87	0.28	77,77,77,77	0
57	MG	1A	3361	1/1	0.87	0.12	74,74,74,74	0
57	MG	1A	3845	1/1	0.87	0.09	62,62,62,62	0
57	MG	1a	1725	1/1	0.87	0.10	58,58,58,58	0
57	MG	1R	205	1/1	0.87	0.21	54,54,54,54	0
57	MG	1A	3364	1/1	0.87	0.16	58,58,58,58	0
57	MG	2A	3285	1/1	0.87	0.15	62,62,62,62	0
57	MG	1A	3657	1/1	0.87	0.08	32,32,32,32	0
57	MG	2a	1715	1/1	0.87	0.28	77,77,77,77	0
57	MG	2A	3480	1/1	0.87	0.27	68,68,68,68	0
57	MG	1a	1746	1/1	0.87	0.13	73,73,73,73	0
57	MG	1A	3433	1/1	0.87	0.13	58,58,58,58	0
57	MG	2A	3766	1/1	0.87	0.20	77,77,77,77	0
57	MG	1A	3866	1/1	0.87	0.18	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	4032	1/1	0.87	0.12	61,61,61,61	0
57	MG	2A	3117	1/1	0.87	0.16	52,52,52,52	0
57	MG	2a	1733	1/1	0.87	0.12	64,64,64,64	0
57	MG	2A	3778	1/1	0.87	0.23	79,79,79,79	0
57	MG	1A	3441	1/1	0.87	0.14	56,56,56,56	0
57	MG	1A	4049	1/1	0.87	0.14	52,52,52,52	0
57	MG	2A	3506	1/1	0.87	0.16	74,74,74,74	0
57	MG	1A	3445	1/1	0.87	0.11	53,53,53,53	0
57	MG	2A	3511	1/1	0.87	0.15	42,42,42,42	0
57	MG	2A	3149	1/1	0.87	0.23	68,68,68,68	0
57	MG	1A	3446	1/1	0.87	0.20	60,60,60,60	0
57	MG	1A	3698	1/1	0.87	0.14	64,64,64,64	0
57	MG	2A	3536	1/1	0.87	0.23	63,63,63,63	0
57	MG	1A	3459	1/1	0.87	0.10	58,58,58,58	0
57	MG	2A	3543	1/1	0.87	0.14	71,71,71,71	0
57	MG	1a	1605	1/1	0.87	0.09	71,71,71,71	0
57	MG	2A	3556	1/1	0.87	0.10	69,69,69,69	0
57	MG	1a	1611	1/1	0.87	0.13	70,70,70,70	0
57	MG	2B	205	1/1	0.87	0.12	68,68,68,68	0
57	MG	1A	3541	1/1	0.87	0.17	47,47,47,47	0
57	MG	1A	3462	1/1	0.87	0.29	69,69,69,69	0
57	MG	2A	3582	1/1	0.87	0.23	69,69,69,69	0
57	MG	2A	3584	1/1	0.87	0.12	67,67,67,67	0
57	MG	1A	3225	1/1	0.87	0.17	51,51,51,51	0
57	MG	1A	3380	1/1	0.87	0.33	69,69,69,69	0
57	MG	1a	1628	1/1	0.87	0.11	58,58,58,58	0
57	MG	2A	3189	1/1	0.87	0.14	62,62,62,62	0
57	MG	1a	1815	1/1	0.87	0.15	74,74,74,74	0
57	MG	1A	3734	1/1	0.87	0.12	65,65,65,65	0
57	MG	1a	1824	1/1	0.87	0.21	68,68,68,68	0
57	MG	2A	3198	1/1	0.87	0.13	60,60,60,60	0
57	MG	1A	4093	1/1	0.87	0.17	52,52,52,52	0
57	MG	1a	1635	1/1	0.87	0.26	79,79,79,79	0
57	MG	2A	3632	1/1	0.87	0.18	65,65,65,65	0
57	MG	1A	3557	1/1	0.87	0.12	66,66,66,66	0
57	MG	2A	3205	1/1	0.87	0.14	63,63,63,63	0
57	MG	1A	3052	1/1	0.87	0.10	50,50,50,50	0
57	MG	2A	3650	1/1	0.87	0.18	81,81,81,81	0
57	MG	25	105	1/1	0.87	0.15	63,63,63,63	0
57	MG	2w	103	1/1	0.87	0.19	75,75,75,75	0
57	MG	26	101	1/1	0.87	0.27	78,78,78,78	0
57	MG	27	102	1/1	0.87	0.14	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	3795	1/1	0.87	0.11	28,28,28,28	0
57	MG	1A	3440	1/1	0.88	0.20	65,65,65,65	0
57	MG	1h	201	1/1	0.88	0.10	66,66,66,66	0
57	MG	1A	3546	1/1	0.88	0.22	61,61,61,61	0
57	MG	1n	102	1/1	0.88	0.21	62,62,62,62	0
57	MG	1a	1643	1/1	0.88	0.11	73,73,73,73	0
57	MG	2A	3645	1/1	0.88	0.14	52,52,52,52	0
57	MG	1A	3296	1/1	0.88	0.15	51,51,51,51	0
57	MG	2A	3210	1/1	0.88	0.22	74,74,74,74	0
57	MG	2A	3212	1/1	0.88	0.28	73,73,73,73	0
57	MG	1a	1655	1/1	0.88	0.24	72,72,72,72	0
57	MG	2A	3656	1/1	0.88	0.14	64,64,64,64	0
57	MG	2a	1618	1/1	0.88	0.11	64,64,64,64	0
57	MG	1B	220	1/1	0.88	0.21	72,72,72,72	0
57	MG	1A	3823	1/1	0.88	0.08	38,38,38,38	0
57	MG	2A	3661	1/1	0.88	0.19	72,72,72,72	0
57	MG	2a	1628	1/1	0.88	0.20	68,68,68,68	0
57	MG	1A	3682	1/1	0.88	0.10	44,44,44,44	0
57	MG	2A	3381	1/1	0.88	0.20	64,64,64,64	0
57	MG	1a	1666	1/1	0.88	0.19	71,71,71,71	0
57	MG	1A	3984	1/1	0.88	0.12	66,66,66,66	0
57	MG	2A	3385	1/1	0.88	0.23	74,74,74,74	0
57	MG	1A	3551	1/1	0.88	0.21	66,66,66,66	0
57	MG	1A	3493	1/1	0.88	0.20	47,47,47,47	0
57	MG	1A	3089	1/1	0.88	0.10	37,37,37,37	0
57	MG	1x	105	1/1	0.88	0.20	71,71,71,71	0
57	MG	1A	3837	1/1	0.88	0.12	52,52,52,52	0
57	MG	1A	3998	1/1	0.88	0.11	64,64,64,64	0
57	MG	2A	3403	1/1	0.88	0.28	55,55,55,55	0
57	MG	1E	307	1/1	0.88	0.14	59,59,59,59	0
57	MG	1A	3095	1/1	0.88	0.14	61,61,61,61	0
57	MG	2A	3027	1/1	0.88	0.14	63,63,63,63	0
57	MG	1F	303	1/1	0.88	0.11	59,59,59,59	0
57	MG	2A	3694	1/1	0.88	0.14	59,59,59,59	0
57	MG	2A	3416	1/1	0.88	0.18	60,60,60,60	0
57	MG	1A	3709	1/1	0.88	0.10	58,58,58,58	0
57	MG	2A	3256	1/1	0.88	0.24	57,57,57,57	0
57	MG	2A	3056	1/1	0.88	0.32	74,74,74,74	0
57	MG	1O	202	1/1	0.88	0.17	66,66,66,66	0
57	MG	2A	3263	1/1	0.88	0.17	65,65,65,65	0
57	MG	2A	3264	1/1	0.88	0.27	65,65,65,65	0
57	MG	2A	3708	1/1	0.88	0.15	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	1693	1/1	0.88	0.19	67,67,67,67	0
57	MG	2A	3265	1/1	0.88	0.18	65,65,65,65	0
57	MG	2a	1697	1/1	0.88	0.22	68,68,68,68	0
57	MG	1A	3226	1/1	0.88	0.16	46,46,46,46	0
57	MG	2A	3443	1/1	0.88	0.17	50,50,50,50	0
57	MG	1A	3065	1/1	0.88	0.11	56,56,56,56	0
57	MG	2A	3083	1/1	0.88	0.13	62,62,62,62	0
57	MG	1A	3721	1/1	0.88	0.20	73,73,73,73	0
57	MG	2A	3457	1/1	0.88	0.12	72,72,72,72	0
57	MG	2A	3733	1/1	0.88	0.16	72,72,72,72	0
57	MG	1a	1711	1/1	0.88	0.27	62,62,62,62	0
57	MG	1R	206	1/1	0.88	0.11	32,32,32,32	0
57	MG	1A	3418	1/1	0.88	0.35	69,69,69,69	0
57	MG	1A	4023	1/1	0.88	0.12	53,53,53,53	0
57	MG	2A	3476	1/1	0.88	0.27	68,68,68,68	0
57	MG	1A	3466	1/1	0.88	0.19	58,58,58,58	0
57	MG	2A	3754	1/1	0.88	0.08	44,44,44,44	0
57	MG	2a	1723	1/1	0.88	0.30	66,66,66,66	0
57	MG	2a	1725	1/1	0.88	0.45	75,75,75,75	0
57	MG	1a	1733	1/1	0.88	0.40	79,79,79,79	0
57	MG	1T	203	1/1	0.88	0.18	54,54,54,54	0
57	MG	1a	1735	1/1	0.88	0.30	53,53,53,53	0
57	MG	1A	3614	1/1	0.88	0.09	15,15,15,15	0
57	MG	1A	4036	1/1	0.88	0.09	52,52,52,52	0
57	MG	1A	3737	1/1	0.88	0.09	65,65,65,65	0
57	MG	2A	3497	1/1	0.88	0.25	49,49,49,49	0
57	MG	1A	3739	1/1	0.88	0.11	22,22,22,22	0
57	MG	2A	3302	1/1	0.88	0.33	64,64,64,64	0
57	MG	1a	1757	1/1	0.88	0.20	50,50,50,50	0
57	MG	2A	3121	1/1	0.88	0.14	60,60,60,60	0
57	MG	1A	3129	1/1	0.88	0.18	53,53,53,53	0
57	MG	2A	3523	1/1	0.88	0.14	63,63,63,63	0
57	MG	2A	3527	1/1	0.88	0.13	70,70,70,70	0
57	MG	2A	3842	1/1	0.88	0.13	76,76,76,76	0
57	MG	2a	1775	1/1	0.88	0.14	67,67,67,67	0
57	MG	2a	1777	1/1	0.88	0.13	75,75,75,75	0
57	MG	2A	3530	1/1	0.88	0.08	43,43,43,43	0
57	MG	2a	1785	1/1	0.88	0.15	80,80,80,80	0
57	MG	2A	3136	1/1	0.88	0.13	68,68,68,68	0
57	MG	1A	3915	1/1	0.88	0.15	38,38,38,38	0
57	MG	2a	1788	1/1	0.88	0.27	77,77,77,77	0
57	MG	1a	1776	1/1	0.88	0.21	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	3926	1/1	0.88	0.11	32,32,32,32	0
57	MG	18	105	1/1	0.88	0.14	52,52,52,52	0
57	MG	1A	3768	1/1	0.88	0.09	23,23,23,23	0
57	MG	1a	1603	1/1	0.88	0.11	67,67,67,67	0
57	MG	1a	1604	1/1	0.88	0.11	59,59,59,59	0
57	MG	2A	3566	1/1	0.88	0.16	64,64,64,64	0
57	MG	2A	3328	1/1	0.88	0.20	68,68,68,68	0
57	MG	2B	215	1/1	0.88	0.16	73,73,73,73	0
57	MG	1A	3530	1/1	0.88	0.16	45,45,45,45	0
57	MG	1A	3258	1/1	0.88	0.11	79,79,79,79	0
57	MG	1A	3334	1/1	0.88	0.14	49,49,49,49	0
57	MG	2A	3178	1/1	0.88	0.14	60,60,60,60	0
57	MG	2A	3586	1/1	0.88	0.14	69,69,69,69	0
57	MG	1A	3272	1/1	0.88	0.16	52,52,52,52	0
57	MG	2e	201	1/1	0.88	0.12	72,72,72,72	0
57	MG	2A	3594	1/1	0.88	0.24	69,69,69,69	0
57	MG	2O	201	1/1	0.88	0.20	57,57,57,57	0
57	MG	2I	201	1/1	0.88	0.16	64,64,64,64	0
57	MG	1A	3946	1/1	0.88	0.13	72,72,72,72	0
57	MG	1A	3087	1/1	0.88	0.19	34,34,34,34	0
57	MG	1a	1627	1/1	0.88	0.28	59,59,59,59	0
57	MG	1a	1805	1/1	0.88	0.08	58,58,58,58	0
57	MG	1A	4094	1/1	0.88	0.11	52,52,52,52	0
57	MG	2A	3616	1/1	0.88	0.10	36,36,36,36	0
57	MG	2Z	301	1/1	0.88	0.10	82,82,82,82	0
57	MG	1A	3542	1/1	0.88	0.23	59,59,59,59	0
57	MG	2x	103	1/1	0.88	0.15	81,81,81,81	0
57	MG	1A	3654	1/1	0.88	0.16	52,52,52,52	0
57	MG	1A	3383	1/1	0.89	0.20	44,44,44,44	0
57	MG	1A	4082	1/1	0.89	0.11	23,23,23,23	0
57	MG	1a	1779	1/1	0.89	0.17	65,65,65,65	0
57	MG	1A	3535	1/1	0.89	0.27	58,58,58,58	0
57	MG	25	103	1/1	0.89	0.24	61,61,61,61	0
57	MG	1A	3661	1/1	0.89	0.10	57,57,57,57	0
57	MG	2A	3621	1/1	0.89	0.15	53,53,53,53	0
57	MG	2A	3623	1/1	0.89	0.10	60,60,60,60	0
57	MG	2a	1602	1/1	0.89	0.10	70,70,70,70	0
57	MG	1A	3299	1/1	0.89	0.16	56,56,56,56	0
57	MG	2a	1605	1/1	0.89	0.34	77,77,77,77	0
57	MG	1A	3960	1/1	0.89	0.09	38,38,38,38	0
57	MG	2a	1607	1/1	0.89	0.12	58,58,58,58	0
57	MG	1a	1615	1/1	0.89	0.19	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1789	1/1	0.89	0.11	71,71,71,71	0
57	MG	1A	3467	1/1	0.89	0.17	34,34,34,34	0
57	MG	1A	3968	1/1	0.89	0.12	57,57,57,57	0
57	MG	1a	1625	1/1	0.89	0.21	62,62,62,62	0
57	MG	2a	1616	1/1	0.89	0.16	72,72,72,72	0
57	MG	2a	1617	1/1	0.89	0.31	73,73,73,73	0
57	MG	1A	3680	1/1	0.89	0.12	63,63,63,63	0
57	MG	1A	3260	1/1	0.89	0.06	30,30,30,30	0
57	MG	2A	3194	1/1	0.89	0.19	58,58,58,58	0
57	MG	1A	3269	1/1	0.89	0.20	63,63,63,63	0
57	MG	2A	3367	1/1	0.89	0.11	60,60,60,60	0
57	MG	2A	3196	1/1	0.89	0.32	58,58,58,58	0
57	MG	1A	3248	1/1	0.89	0.22	68,68,68,68	0
57	MG	1A	3834	1/1	0.89	0.09	55,55,55,55	0
57	MG	1A	3319	1/1	0.89	0.17	53,53,53,53	0
57	MG	1a	1637	1/1	0.89	0.12	52,52,52,52	0
57	MG	2A	3203	1/1	0.89	0.08	66,66,66,66	0
57	MG	2a	1643	1/1	0.89	0.12	60,60,60,60	0
57	MG	1a	1639	1/1	0.89	0.30	65,65,65,65	0
57	MG	1A	3320	1/1	0.89	0.08	46,46,46,46	0
57	MG	1a	1646	1/1	0.89	0.10	66,66,66,66	0
57	MG	1A	3252	1/1	0.89	0.12	76,76,76,76	0
57	MG	1l	202	1/1	0.89	0.16	68,68,68,68	0
57	MG	1A	3994	1/1	0.89	0.17	65,65,65,65	0
57	MG	1A	3484	1/1	0.89	0.12	46,46,46,46	0
57	MG	2a	1652	1/1	0.89	0.13	64,64,64,64	0
57	MG	2a	1653	1/1	0.89	0.26	65,65,65,65	0
57	MG	2a	1655	1/1	0.89	0.12	81,81,81,81	0
57	MG	1A	3857	1/1	0.89	0.32	42,42,42,42	0
57	MG	1a	1663	1/1	0.89	0.14	64,64,64,64	0
57	MG	2a	1658	1/1	0.89	0.16	68,68,68,68	0
57	MG	1A	3121	1/1	0.89	0.10	46,46,46,46	0
57	MG	2a	1662	1/1	0.89	0.12	76,76,76,76	0
57	MG	2a	1664	1/1	0.89	0.24	69,69,69,69	0
57	MG	2A	3399	1/1	0.89	0.25	59,59,59,59	0
57	MG	2A	3216	1/1	0.89	0.20	64,64,64,64	0
57	MG	1A	3428	1/1	0.89	0.25	53,53,53,53	0
57	MG	1E	308	1/1	0.89	0.11	30,30,30,30	0
57	MG	2A	3695	1/1	0.89	0.14	52,52,52,52	0
57	MG	2A	3406	1/1	0.89	0.19	45,45,45,45	0
57	MG	1a	1670	1/1	0.89	0.25	72,72,72,72	0
57	MG	2a	1683	1/1	0.89	0.15	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3863	1/1	0.89	0.09	34,34,34,34	0
57	MG	2A	3235	1/1	0.89	0.13	62,62,62,62	0
57	MG	1A	3723	1/1	0.89	0.15	60,60,60,60	0
57	MG	2A	3421	1/1	0.89	0.49	70,70,70,70	0
57	MG	2a	1695	1/1	0.89	0.23	80,80,80,80	0
57	MG	1A	3870	1/1	0.89	0.17	40,40,40,40	0
57	MG	1A	3496	1/1	0.89	0.14	50,50,50,50	0
57	MG	1x	104	1/1	0.89	0.17	69,69,69,69	0
57	MG	1A	3024	1/1	0.89	0.30	64,64,64,64	0
57	MG	2a	1703	1/1	0.89	0.16	75,75,75,75	0
57	MG	2A	3432	1/1	0.89	0.22	50,50,50,50	0
57	MG	1A	3365	1/1	0.89	0.17	66,66,66,66	0
57	MG	1x	109	1/1	0.89	0.17	74,74,74,74	0
57	MG	1x	110	1/1	0.89	0.25	63,63,63,63	0
57	MG	2a	1711	1/1	0.89	0.13	68,68,68,68	0
57	MG	2A	3729	1/1	0.89	0.16	66,66,66,66	0
57	MG	2a	1713	1/1	0.89	0.25	80,80,80,80	0
57	MG	2A	3439	1/1	0.89	0.15	72,72,72,72	0
57	MG	1a	1683	1/1	0.89	0.12	57,57,57,57	0
57	MG	2a	1718	1/1	0.89	0.22	72,72,72,72	0
57	MG	2A	3001	1/1	0.89	0.35	62,62,62,62	0
57	MG	1A	4025	1/1	0.89	0.13	57,57,57,57	0
57	MG	1a	1691	1/1	0.89	0.22	78,78,78,78	0
57	MG	1A	3366	1/1	0.89	0.12	48,48,48,48	0
57	MG	1a	1693	1/1	0.89	0.14	68,68,68,68	0
57	MG	2A	3041	1/1	0.89	0.18	68,68,68,68	0
57	MG	2A	3468	1/1	0.89	0.15	62,62,62,62	0
57	MG	2A	3045	1/1	0.89	0.22	74,74,74,74	0
57	MG	2A	3048	1/1	0.89	0.23	67,67,67,67	0
57	MG	2A	3763	1/1	0.89	0.09	65,65,65,65	0
57	MG	2A	3267	1/1	0.89	0.12	59,59,59,59	0
57	MG	1A	3338	1/1	0.89	0.14	50,50,50,50	0
57	MG	1A	4033	1/1	0.89	0.09	61,61,61,61	0
57	MG	2a	1741	1/1	0.89	0.26	62,62,62,62	0
57	MG	2A	3060	1/1	0.89	0.13	65,65,65,65	0
57	MG	2A	3061	1/1	0.89	0.10	76,76,76,76	0
57	MG	1a	1699	1/1	0.89	0.18	53,53,53,53	0
57	MG	2A	3064	1/1	0.89	0.27	59,59,59,59	0
57	MG	1a	1700	1/1	0.89	0.31	59,59,59,59	0
57	MG	2a	1764	1/1	0.89	0.09	89,89,89,89	0
57	MG	2A	3282	1/1	0.89	0.14	64,64,64,64	0
57	MG	2A	3807	1/1	0.89	0.10	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1S	203	1/1	0.89	0.13	68,68,68,68	0
57	MG	2A	3816	1/1	0.89	0.08	54,54,54,54	0
57	MG	2A	3505	1/1	0.89	0.20	63,63,63,63	0
57	MG	2A	3818	1/1	0.89	0.11	43,43,43,43	0
57	MG	2A	3823	1/1	0.89	0.14	70,70,70,70	0
57	MG	2A	3829	1/1	0.89	0.14	45,45,45,45	0
57	MG	2A	3077	1/1	0.89	0.10	53,53,53,53	0
57	MG	2A	3287	1/1	0.89	0.12	65,65,65,65	0
57	MG	1A	3895	1/1	0.89	0.23	39,39,39,39	0
57	MG	2a	1790	1/1	0.89	0.20	67,67,67,67	0
57	MG	1T	202	1/1	0.89	0.26	68,68,68,68	0
57	MG	2a	1792	1/1	0.89	0.25	66,66,66,66	0
57	MG	1A	3896	1/1	0.89	0.13	64,64,64,64	0
57	MG	1a	1712	1/1	0.89	0.10	85,85,85,85	0
57	MG	2a	1800	1/1	0.89	0.12	83,83,83,83	0
57	MG	1A	3512	1/1	0.89	0.17	58,58,58,58	0
57	MG	2a	1802	1/1	0.89	0.16	76,76,76,76	0
57	MG	2A	3097	1/1	0.89	0.20	63,63,63,63	0
57	MG	1A	4053	1/1	0.89	0.08	59,59,59,59	0
57	MG	1A	3633	1/1	0.89	0.08	21,21,21,21	0
57	MG	1A	3378	1/1	0.89	0.23	50,50,50,50	0
57	MG	2B	208	1/1	0.89	0.21	65,65,65,65	0
57	MG	2A	3310	1/1	0.89	0.12	61,61,61,61	0
57	MG	2A	3548	1/1	0.89	0.10	54,54,54,54	0
57	MG	2a	1819	1/1	0.89	0.25	74,74,74,74	0
57	MG	1Z	301	1/1	0.89	0.16	77,77,77,77	0
57	MG	10	105	1/1	0.89	0.28	65,65,65,65	0
57	MG	2a	1822	1/1	0.89	0.26	67,67,67,67	0
57	MG	1A	3339	1/1	0.89	0.09	36,36,36,36	0
57	MG	13	101	1/1	0.89	0.08	49,49,49,49	0
57	MG	2A	3114	1/1	0.89	0.18	63,63,63,63	0
57	MG	1a	1742	1/1	0.89	0.17	61,61,61,61	0
57	MG	2F	302	1/1	0.89	0.18	72,72,72,72	0
57	MG	2A	3575	1/1	0.89	0.11	43,43,43,43	0
57	MG	1A	3340	1/1	0.89	0.27	63,63,63,63	0
57	MG	1A	3460	1/1	0.89	0.11	57,57,57,57	0
57	MG	1A	4071	1/1	0.89	0.12	47,47,47,47	0
57	MG	2R	201	1/1	0.89	0.23	66,66,66,66	0
57	MG	2A	3327	1/1	0.89	0.12	71,71,71,71	0
57	MG	1a	1755	1/1	0.89	0.15	82,82,82,82	0
57	MG	2A	3331	1/1	0.89	0.13	60,60,60,60	0
57	MG	18	106	1/1	0.89	0.13	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	3342	1/1	0.89	0.12	71,71,71,71	0
57	MG	1A	3533	1/1	0.90	0.16	54,54,54,54	0
57	MG	1a	1701	1/1	0.90	0.29	68,68,68,68	0
57	MG	2A	3223	1/1	0.90	0.10	79,79,79,79	0
57	MG	2A	3227	1/1	0.90	0.13	50,50,50,50	0
57	MG	2A	3229	1/1	0.90	0.10	53,53,53,53	0
57	MG	1A	3477	1/1	0.90	0.08	66,66,66,66	0
57	MG	1Z	302	1/1	0.90	0.09	65,65,65,65	0
57	MG	2A	3037	1/1	0.90	0.27	71,71,71,71	0
57	MG	1a	1708	1/1	0.90	0.17	68,68,68,68	0
57	MG	2A	3390	1/1	0.90	0.09	68,68,68,68	0
57	MG	2a	1620	1/1	0.90	0.11	73,73,73,73	0
57	MG	1A	3343	1/1	0.90	0.12	58,58,58,58	0
57	MG	2a	1623	1/1	0.90	0.32	73,73,73,73	0
57	MG	1A	3480	1/1	0.90	0.18	58,58,58,58	0
57	MG	2A	3393	1/1	0.90	0.25	67,67,67,67	0
57	MG	2A	3671	1/1	0.90	0.15	56,56,56,56	0
57	MG	1l	103	1/1	0.90	0.09	67,67,67,67	0
57	MG	2A	3049	1/1	0.90	0.07	52,52,52,52	0
57	MG	2a	1633	1/1	0.90	0.24	62,62,62,62	0
57	MG	2a	1635	1/1	0.90	0.15	69,69,69,69	0
57	MG	1a	1714	1/1	0.90	0.16	64,64,64,64	0
57	MG	1A	3439	1/1	0.90	0.30	73,73,73,73	0
57	MG	2a	1640	1/1	0.90	0.18	72,72,72,72	0
57	MG	2A	3057	1/1	0.90	0.24	58,58,58,58	0
57	MG	1A	3313	1/1	0.90	0.26	54,54,54,54	0
57	MG	2A	3410	1/1	0.90	0.11	48,48,48,48	0
57	MG	1A	3285	1/1	0.90	0.10	42,42,42,42	0
57	MG	17	105	1/1	0.90	0.14	49,49,49,49	0
57	MG	2a	1646	1/1	0.90	0.11	63,63,63,63	0
57	MG	2A	3690	1/1	0.90	0.23	65,65,65,65	0
57	MG	1A	3158	1/1	0.90	0.10	56,56,56,56	0
57	MG	1A	4086	1/1	0.90	0.11	50,50,50,50	0
57	MG	1A	3817	1/1	0.90	0.13	49,49,49,49	0
57	MG	2A	3071	1/1	0.90	0.10	62,62,62,62	0
57	MG	2A	3696	1/1	0.90	0.07	70,70,70,70	0
57	MG	1A	3821	1/1	0.90	0.16	38,38,38,38	0
57	MG	2A	3425	1/1	0.90	0.14	55,55,55,55	0
57	MG	1A	4090	1/1	0.90	0.27	48,48,48,48	0
57	MG	1A	3356	1/1	0.90	0.21	43,43,43,43	0
57	MG	2A	3429	1/1	0.90	0.19	59,59,59,59	0
57	MG	2A	3268	1/1	0.90	0.22	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3447	1/1	0.90	0.18	47,47,47,47	0
57	MG	1A	3964	1/1	0.90	0.11	53,53,53,53	0
57	MG	1B	206	1/1	0.90	0.21	49,49,49,49	0
57	MG	1A	3295	1/1	0.90	0.11	42,42,42,42	0
57	MG	1A	3689	1/1	0.90	0.09	26,26,26,26	0
57	MG	1A	3832	1/1	0.90	0.10	31,31,31,31	0
57	MG	2a	1677	1/1	0.90	0.14	67,67,67,67	0
57	MG	1a	1771	1/1	0.90	0.18	78,78,78,78	0
57	MG	1A	3506	1/1	0.90	0.11	58,58,58,58	0
57	MG	2a	1681	1/1	0.90	0.16	70,70,70,70	0
57	MG	1A	3567	1/1	0.90	0.06	54,54,54,54	0
57	MG	2A	3462	1/1	0.90	0.08	61,61,61,61	0
57	MG	2a	1686	1/1	0.90	0.19	81,81,81,81	0
57	MG	1A	3981	1/1	0.90	0.09	75,75,75,75	0
57	MG	2A	3286	1/1	0.90	0.30	60,60,60,60	0
57	MG	2a	1690	1/1	0.90	0.14	70,70,70,70	0
57	MG	2A	3740	1/1	0.90	0.08	52,52,52,52	0
57	MG	2A	3107	1/1	0.90	0.29	73,73,73,73	0
57	MG	2A	3111	1/1	0.90	0.28	69,69,69,69	0
57	MG	2A	3473	1/1	0.90	0.18	71,71,71,71	0
57	MG	1a	1782	1/1	0.90	0.10	91,91,91,91	0
57	MG	2A	3292	1/1	0.90	0.10	59,59,59,59	0
57	MG	1A	3836	1/1	0.90	0.14	57,57,57,57	0
57	MG	2A	3296	1/1	0.90	0.30	64,64,64,64	0
57	MG	2a	1704	1/1	0.90	0.15	72,72,72,72	0
57	MG	2A	3759	1/1	0.90	0.11	67,67,67,67	0
57	MG	2A	3483	1/1	0.90	0.09	59,59,59,59	0
57	MG	1B	223	1/1	0.90	0.16	63,63,63,63	0
57	MG	1a	1632	1/1	0.90	0.19	61,61,61,61	0
57	MG	2a	1710	1/1	0.90	0.14	72,72,72,72	0
57	MG	1A	3702	1/1	0.90	0.13	47,47,47,47	0
57	MG	2A	3772	1/1	0.90	0.20	68,68,68,68	0
57	MG	2A	3774	1/1	0.90	0.14	76,76,76,76	0
57	MG	1A	3839	1/1	0.90	0.27	67,67,67,67	0
57	MG	2A	3490	1/1	0.90	0.23	63,63,63,63	0
57	MG	2A	3491	1/1	0.90	0.33	70,70,70,70	0
57	MG	2A	3492	1/1	0.90	0.17	62,62,62,62	0
57	MG	2A	3495	1/1	0.90	0.39	72,72,72,72	0
57	MG	2A	3797	1/1	0.90	0.19	65,65,65,65	0
57	MG	1A	3575	1/1	0.90	0.17	44,44,44,44	0
57	MG	1A	3204	1/1	0.90	0.09	48,48,48,48	0
57	MG	2A	3802	1/1	0.90	0.12	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1726	1/1	0.90	0.39	76,76,76,76	0
57	MG	1a	1640	1/1	0.90	0.29	71,71,71,71	0
57	MG	2A	3311	1/1	0.90	0.19	78,78,78,78	0
57	MG	1A	3209	1/1	0.90	0.10	46,46,46,46	0
57	MG	2a	1731	1/1	0.90	0.26	63,63,63,63	0
57	MG	1a	1795	1/1	0.90	0.18	65,65,65,65	0
57	MG	2a	1734	1/1	0.90	0.31	67,67,67,67	0
57	MG	1B	233	1/1	0.90	0.10	57,57,57,57	0
57	MG	1B	234	1/1	0.90	0.13	72,72,72,72	0
57	MG	1a	1649	1/1	0.90	0.16	62,62,62,62	0
57	MG	2a	1740	1/1	0.90	0.28	70,70,70,70	0
57	MG	1a	1650	1/1	0.90	0.24	77,77,77,77	0
57	MG	2A	3840	1/1	0.90	0.11	71,71,71,71	0
57	MG	1A	3588	1/1	0.90	0.11	53,53,53,53	0
57	MG	1A	3124	1/1	0.90	0.18	55,55,55,55	0
57	MG	1a	1660	1/1	0.90	0.19	66,66,66,66	0
57	MG	2A	3326	1/1	0.90	0.11	48,48,48,48	0
57	MG	2A	3537	1/1	0.90	0.17	54,54,54,54	0
57	MG	1A	3596	1/1	0.90	0.23	56,56,56,56	0
57	MG	2A	3862	1/1	0.90	0.25	65,65,65,65	0
57	MG	2A	3540	1/1	0.90	0.11	78,78,78,78	0
57	MG	2B	202	1/1	0.90	0.10	64,64,64,64	0
57	MG	1b	302	1/1	0.90	0.17	84,84,84,84	0
57	MG	1A	3336	1/1	0.90	0.09	49,49,49,49	0
57	MG	1A	3519	1/1	0.90	0.12	58,58,58,58	0
57	MG	2B	207	1/1	0.90	0.18	70,70,70,70	0
57	MG	1A	4005	1/1	0.90	0.11	23,23,23,23	0
57	MG	2A	3192	1/1	0.90	0.22	63,63,63,63	0
57	MG	1G	204	1/1	0.90	0.15	55,55,55,55	0
57	MG	1A	3617	1/1	0.90	0.12	70,70,70,70	0
57	MG	1a	1671	1/1	0.90	0.26	62,62,62,62	0
57	MG	2A	3339	1/1	0.90	0.11	61,61,61,61	0
57	MG	2B	220	1/1	0.90	0.30	73,73,73,73	0
57	MG	2A	3579	1/1	0.90	0.17	57,57,57,57	0
57	MG	1A	3876	1/1	0.90	0.14	37,37,37,37	0
57	MG	1A	3301	1/1	0.90	0.23	61,61,61,61	0
57	MG	1A	3303	1/1	0.90	0.25	36,36,36,36	0
57	MG	2a	1803	1/1	0.90	0.26	74,74,74,74	0
57	MG	1A	3626	1/1	0.90	0.07	32,32,32,32	0
57	MG	1A	3889	1/1	0.90	0.09	35,35,35,35	0
57	MG	2a	1807	1/1	0.90	0.29	67,67,67,67	0
57	MG	1A	3271	1/1	0.90	0.13	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	1810	1/1	0.90	0.14	63,63,63,63	0
57	MG	1A	3777	1/1	0.90	0.12	40,40,40,40	0
57	MG	2a	1814	1/1	0.90	0.16	70,70,70,70	0
57	MG	1A	3369	1/1	0.90	0.14	57,57,57,57	0
57	MG	2a	1816	1/1	0.90	0.12	74,74,74,74	0
57	MG	1a	1687	1/1	0.90	0.12	77,77,77,77	0
57	MG	2A	3358	1/1	0.90	0.10	62,62,62,62	0
57	MG	2A	3359	1/1	0.90	0.08	78,78,78,78	0
57	MG	2A	3610	1/1	0.90	0.16	72,72,72,72	0
57	MG	2U	202	1/1	0.90	0.19	51,51,51,51	0
57	MG	2V	201	1/1	0.90	0.10	75,75,75,75	0
57	MG	2A	3360	1/1	0.90	0.15	47,47,47,47	0
57	MG	2X	101	1/1	0.90	0.14	73,73,73,73	0
57	MG	2A	3361	1/1	0.90	0.12	75,75,75,75	0
57	MG	1A	3898	1/1	0.90	0.09	45,45,45,45	0
57	MG	1A	3094	1/1	0.90	0.13	49,49,49,49	0
57	MG	1A	3900	1/1	0.90	0.11	49,49,49,49	0
57	MG	23	102	1/1	0.90	0.21	70,70,70,70	0
57	MG	2v	101	1/1	0.90	0.25	72,72,72,72	0
57	MG	1A	4055	1/1	0.90	0.10	31,31,31,31	0
57	MG	2v	104	1/1	0.90	0.15	70,70,70,70	0
57	MG	2A	3368	1/1	0.90	0.12	60,60,60,60	0
57	MG	1A	3902	1/1	0.90	0.24	40,40,40,40	0
57	MG	1X	106	1/1	0.90	0.12	83,83,83,83	0
57	MG	27	103	1/1	0.90	0.12	58,58,58,58	0
57	MG	2A	3641	1/1	0.90	0.10	44,44,44,44	0
57	MG	1x	112	1/1	0.90	0.17	66,66,66,66	0
57	MG	2A	3217	1/1	0.90	0.14	58,58,58,58	0
58	K	2A	3451	1/1	0.90	0.12	71,71,71,71	0
57	MG	1A	3386	1/1	0.91	0.09	52,52,52,52	0
57	MG	2a	1619	1/1	0.91	0.13	74,74,74,74	0
57	MG	2A	3380	1/1	0.91	0.26	58,58,58,58	0
57	MG	1a	1686	1/1	0.91	0.22	58,58,58,58	0
57	MG	1V	206	1/1	0.91	0.23	60,60,60,60	0
57	MG	1A	3020	1/1	0.91	0.11	44,44,44,44	0
57	MG	1W	202	1/1	0.91	0.17	50,50,50,50	0
57	MG	1x	106	1/1	0.91	0.19	60,60,60,60	0
57	MG	1A	3045	1/1	0.91	0.07	36,36,36,36	0
57	MG	1x	108	1/1	0.91	0.12	33,33,33,33	0
57	MG	1A	3916	1/1	0.91	0.19	37,37,37,37	0
57	MG	1A	3919	1/1	0.91	0.12	71,71,71,71	0
57	MG	1A	3401	1/1	0.91	0.16	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	1A	3208	1/1	0.91	0.11	35,35,35,35	0
57	MG	1A	3140	1/1	0.91	0.18	47,47,47,47	0
57	MG	2A	3398	1/1	0.91	0.15	65,65,65,65	0
57	MG	2A	3230	1/1	0.91	0.10	50,50,50,50	0
57	MG	1A	4072	1/1	0.91	0.14	47,47,47,47	0
57	MG	2A	3016	1/1	0.91	0.11	70,70,70,70	0
57	MG	2A	3234	1/1	0.91	0.13	65,65,65,65	0
57	MG	1A	3414	1/1	0.91	0.16	62,62,62,62	0
57	MG	2A	3023	1/1	0.91	0.31	71,71,71,71	0
57	MG	13	104	1/1	0.91	0.15	52,52,52,52	0
57	MG	2A	3028	1/1	0.91	0.11	48,48,48,48	0
57	MG	2A	3029	1/1	0.91	0.19	62,62,62,62	0
57	MG	2A	3243	1/1	0.91	0.12	62,62,62,62	0
57	MG	2A	3420	1/1	0.91	0.25	66,66,66,66	0
57	MG	13	105	1/1	0.91	0.14	62,62,62,62	0
57	MG	2A	3039	1/1	0.91	0.31	70,70,70,70	0
57	MG	1A	3943	1/1	0.91	0.10	28,28,28,28	0
57	MG	2A	3250	1/1	0.91	0.40	68,68,68,68	0
57	MG	1A	3068	1/1	0.91	0.26	48,48,48,48	0
57	MG	2a	1659	1/1	0.91	0.07	80,80,80,80	0
57	MG	2A	3042	1/1	0.91	0.17	56,56,56,56	0
57	MG	1a	1713	1/1	0.91	0.17	73,73,73,73	0
57	MG	1A	3420	1/1	0.91	0.27	67,67,67,67	0
57	MG	1A	3422	1/1	0.91	0.18	38,38,38,38	0
57	MG	1a	1721	1/1	0.91	0.18	68,68,68,68	0
57	MG	2A	3052	1/1	0.91	0.21	70,70,70,70	0
57	MG	2A	3054	1/1	0.91	0.18	68,68,68,68	0
57	MG	2a	1674	1/1	0.91	0.20	64,64,64,64	0
57	MG	1A	3151	1/1	0.91	0.17	43,43,43,43	0
57	MG	1a	1723	1/1	0.91	0.17	55,55,55,55	0
57	MG	2A	3450	1/1	0.91	0.15	67,67,67,67	0
57	MG	19	101	1/1	0.91	0.21	54,54,54,54	0
57	MG	1A	3955	1/1	0.91	0.18	56,56,56,56	0
57	MG	1A	4092	1/1	0.91	0.13	69,69,69,69	0
57	MG	2A	3063	1/1	0.91	0.22	68,68,68,68	0
57	MG	1A	3153	1/1	0.91	0.11	37,37,37,37	0
57	MG	2A	3276	1/1	0.91	0.10	61,61,61,61	0
57	MG	1A	3550	1/1	0.91	0.20	53,53,53,53	0
57	MG	2a	1692	1/1	0.91	0.36	67,67,67,67	0
57	MG	1A	3482	1/1	0.91	0.11	42,42,42,42	0
57	MG	1a	1612	1/1	0.91	0.14	77,77,77,77	0
57	MG	1A	3688	1/1	0.91	0.14	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3764	1/1	0.91	0.14	64,64,64,64	0
57	MG	2A	3080	1/1	0.91	0.14	61,61,61,61	0
57	MG	2A	3767	1/1	0.91	0.14	61,61,61,61	0
57	MG	1A	3552	1/1	0.91	0.16	55,55,55,55	0
57	MG	1A	3362	1/1	0.91	0.08	54,54,54,54	0
57	MG	2A	3482	1/1	0.91	0.21	56,56,56,56	0
57	MG	1A	3291	1/1	0.91	0.16	54,54,54,54	0
57	MG	1A	3491	1/1	0.91	0.08	45,45,45,45	0
57	MG	2A	3288	1/1	0.91	0.11	66,66,66,66	0
57	MG	1A	3566	1/1	0.91	0.17	36,36,36,36	0
57	MG	1a	1763	1/1	0.91	0.09	66,66,66,66	0
57	MG	2A	3291	1/1	0.91	0.36	75,75,75,75	0
57	MG	1A	3335	1/1	0.91	0.12	63,63,63,63	0
57	MG	1a	1769	1/1	0.91	0.08	55,55,55,55	0
57	MG	2A	3295	1/1	0.91	0.12	57,57,57,57	0
57	MG	1A	3847	1/1	0.91	0.14	62,62,62,62	0
57	MG	1a	1775	1/1	0.91	0.25	70,70,70,70	0
57	MG	1A	3983	1/1	0.91	0.10	51,51,51,51	0
57	MG	2A	3500	1/1	0.91	0.33	69,69,69,69	0
57	MG	1a	1630	1/1	0.91	0.23	70,70,70,70	0
57	MG	2A	3820	1/1	0.91	0.09	47,47,47,47	0
57	MG	1A	3568	1/1	0.91	0.18	61,61,61,61	0
57	MG	2a	1724	1/1	0.91	0.24	72,72,72,72	0
57	MG	2A	3828	1/1	0.91	0.10	66,66,66,66	0
57	MG	2A	3304	1/1	0.91	0.15	66,66,66,66	0
57	MG	2A	3109	1/1	0.91	0.11	60,60,60,60	0
57	MG	2A	3512	1/1	0.91	0.19	63,63,63,63	0
57	MG	1A	3292	1/1	0.91	0.13	59,59,59,59	0
57	MG	2A	3518	1/1	0.91	0.15	44,44,44,44	0
57	MG	2A	3308	1/1	0.91	0.15	68,68,68,68	0
57	MG	2A	3526	1/1	0.91	0.11	52,52,52,52	0
57	MG	2A	3309	1/1	0.91	0.11	63,63,63,63	0
57	MG	2a	1737	1/1	0.91	0.31	63,63,63,63	0
57	MG	1A	3986	1/1	0.91	0.11	76,76,76,76	0
57	MG	2A	3531	1/1	0.91	0.09	53,53,53,53	0
57	MG	1A	3717	1/1	0.91	0.29	60,60,60,60	0
57	MG	1A	3576	1/1	0.91	0.13	47,47,47,47	0
57	MG	2a	1745	1/1	0.91	0.18	70,70,70,70	0
57	MG	1A	3073	1/1	0.91	0.35	68,68,68,68	0
57	MG	2A	3119	1/1	0.91	0.20	61,61,61,61	0
57	MG	2a	1749	1/1	0.91	0.09	62,62,62,62	0
57	MG	1A	3864	1/1	0.91	0.12	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1641	1/1	0.91	0.20	73,73,73,73	0
57	MG	1A	3865	1/1	0.91	0.10	45,45,45,45	0
57	MG	2A	3129	1/1	0.91	0.14	78,78,78,78	0
57	MG	2B	213	1/1	0.91	0.21	62,62,62,62	0
57	MG	2A	3133	1/1	0.91	0.21	57,57,57,57	0
57	MG	1D	313	1/1	0.91	0.10	36,36,36,36	0
57	MG	2A	3138	1/1	0.91	0.29	61,61,61,61	0
57	MG	2B	217	1/1	0.91	0.17	71,71,71,71	0
57	MG	2A	3562	1/1	0.91	0.13	45,45,45,45	0
57	MG	2a	1784	1/1	0.91	0.16	68,68,68,68	0
57	MG	2A	3142	1/1	0.91	0.15	70,70,70,70	0
57	MG	2A	3144	1/1	0.91	0.18	45,45,45,45	0
57	MG	1A	3374	1/1	0.91	0.19	48,48,48,48	0
57	MG	2E	304	1/1	0.91	0.12	65,65,65,65	0
57	MG	1a	1648	1/1	0.91	0.21	63,63,63,63	0
57	MG	1A	3244	1/1	0.91	0.27	39,39,39,39	0
57	MG	2F	306	1/1	0.91	0.22	50,50,50,50	0
57	MG	2A	3157	1/1	0.91	0.17	64,64,64,64	0
57	MG	2A	3335	1/1	0.91	0.15	78,78,78,78	0
57	MG	1A	3100	1/1	0.91	0.20	72,72,72,72	0
57	MG	2a	1798	1/1	0.91	0.14	81,81,81,81	0
57	MG	1E	311	1/1	0.91	0.21	41,41,41,41	0
57	MG	2A	3590	1/1	0.91	0.14	67,67,67,67	0
57	MG	1a	1656	1/1	0.91	0.11	50,50,50,50	0
57	MG	1A	3509	1/1	0.91	0.09	50,50,50,50	0
57	MG	1A	4006	1/1	0.91	0.16	32,32,32,32	0
57	MG	2A	3603	1/1	0.91	0.10	46,46,46,46	0
57	MG	1A	3047	1/1	0.91	0.15	33,33,33,33	0
57	MG	2A	3345	1/1	0.91	0.09	67,67,67,67	0
57	MG	2a	1809	1/1	0.91	0.20	74,74,74,74	0
57	MG	2V	202	1/1	0.91	0.34	54,54,54,54	0
57	MG	2A	3346	1/1	0.91	0.08	65,65,65,65	0
57	MG	1A	3251	1/1	0.91	0.15	45,45,45,45	0
57	MG	2A	3176	1/1	0.91	0.20	69,69,69,69	0
57	MG	2A	3612	1/1	0.91	0.14	61,61,61,61	0
57	MG	1a	1826	1/1	0.91	0.14	62,62,62,62	0
57	MG	1b	301	1/1	0.91	0.09	82,82,82,82	0
57	MG	2A	3184	1/1	0.91	0.20	62,62,62,62	0
57	MG	23	103	1/1	0.91	0.11	56,56,56,56	0
57	MG	1a	1664	1/1	0.91	0.26	73,73,73,73	0
57	MG	1e	202	1/1	0.91	0.17	53,53,53,53	0
57	MG	1f	202	1/1	0.91	0.14	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	4020	1/1	0.91	0.07	44,44,44,44	0
57	MG	1A	3759	1/1	0.91	0.11	26,26,26,26	0
57	MG	2a	1601	1/1	0.91	0.16	75,75,75,75	0
57	MG	1A	3764	1/1	0.91	0.13	33,33,33,33	0
57	MG	1n	101	1/1	0.91	0.29	64,64,64,64	0
57	MG	2A	3642	1/1	0.91	0.14	57,57,57,57	0
57	MG	1A	3891	1/1	0.91	0.07	34,34,34,34	0
57	MG	1A	3892	1/1	0.91	0.13	24,24,24,24	0
57	MG	1A	3451	1/1	0.91	0.25	43,43,43,43	0
57	MG	2a	1609	1/1	0.91	0.09	78,78,78,78	0
57	MG	1A	3515	1/1	0.91	0.10	61,61,61,61	0
57	MG	1A	3781	1/1	0.91	0.07	63,63,63,63	0
57	MG	1A	4038	1/1	0.91	0.12	55,55,55,55	0
57	MG	1A	3050	1/1	0.91	0.10	27,27,27,27	0
57	MG	2a	1615	1/1	0.91	0.18	64,64,64,64	0
57	MG	1A	3195	1/1	0.91	0.12	30,30,30,30	0
57	MG	1U	205	1/1	0.91	0.15	38,38,38,38	0
57	MG	1A	3501	1/1	0.92	0.16	61,61,61,61	0
57	MG	1A	3924	1/1	0.92	0.11	51,51,51,51	0
57	MG	1B	203	1/1	0.92	0.06	37,37,37,37	0
57	MG	2A	3180	1/1	0.92	0.14	54,54,54,54	0
57	MG	1A	3747	1/1	0.92	0.10	45,45,45,45	0
57	MG	28	102	1/1	0.92	0.16	54,54,54,54	0
57	MG	1A	3928	1/1	0.92	0.08	46,46,46,46	0
57	MG	2A	3356	1/1	0.92	0.24	56,56,56,56	0
57	MG	1B	208	1/1	0.92	0.20	62,62,62,62	0
57	MG	1A	3233	1/1	0.92	0.08	56,56,56,56	0
57	MG	1f	201	1/1	0.92	0.18	50,50,50,50	0
57	MG	1A	3004	1/1	0.92	0.08	28,28,28,28	0
57	MG	1A	3595	1/1	0.92	0.13	37,37,37,37	0
57	MG	1B	218	1/1	0.92	0.16	49,49,49,49	0
57	MG	1A	3245	1/1	0.92	0.11	51,51,51,51	0
57	MG	1A	3601	1/1	0.92	0.09	35,35,35,35	0
57	MG	1A	3207	1/1	0.92	0.10	51,51,51,51	0
57	MG	2A	3646	1/1	0.92	0.12	58,58,58,58	0
57	MG	1a	1651	1/1	0.92	0.13	71,71,71,71	0
57	MG	1A	3789	1/1	0.92	0.14	54,54,54,54	0
57	MG	2A	3201	1/1	0.92	0.13	69,69,69,69	0
57	MG	1A	3794	1/1	0.92	0.08	30,30,30,30	0
57	MG	2A	3655	1/1	0.92	0.19	63,63,63,63	0
57	MG	1a	1657	1/1	0.92	0.21	55,55,55,55	0
57	MG	2a	1621	1/1	0.92	0.19	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3376	1/1	0.92	0.14	53,53,53,53	0
57	MG	2A	3377	1/1	0.92	0.15	67,67,67,67	0
57	MG	1A	3609	1/1	0.92	0.09	43,43,43,43	0
57	MG	1A	3610	1/1	0.92	0.09	43,43,43,43	0
57	MG	1A	3387	1/1	0.92	0.10	51,51,51,51	0
57	MG	2a	1629	1/1	0.92	0.07	81,81,81,81	0
57	MG	1A	3961	1/1	0.92	0.08	52,52,52,52	0
57	MG	1A	3616	1/1	0.92	0.08	35,35,35,35	0
57	MG	1A	3449	1/1	0.92	0.11	67,67,67,67	0
57	MG	2a	1634	1/1	0.92	0.26	70,70,70,70	0
57	MG	1D	305	1/1	0.92	0.16	48,48,48,48	0
57	MG	1A	3967	1/1	0.92	0.12	42,42,42,42	0
57	MG	2A	3387	1/1	0.92	0.09	58,58,58,58	0
57	MG	2a	1639	1/1	0.92	0.14	67,67,67,67	0
57	MG	1A	3618	1/1	0.92	0.12	28,28,28,28	0
57	MG	1A	3970	1/1	0.92	0.11	54,54,54,54	0
57	MG	1A	3388	1/1	0.92	0.11	47,47,47,47	0
57	MG	1a	1675	1/1	0.92	0.20	71,71,71,71	0
57	MG	2A	3684	1/1	0.92	0.10	43,43,43,43	0
57	MG	1A	3973	1/1	0.92	0.09	64,64,64,64	0
57	MG	2A	3222	1/1	0.92	0.14	65,65,65,65	0
57	MG	1A	3452	1/1	0.92	0.25	55,55,55,55	0
57	MG	2A	3688	1/1	0.92	0.10	59,59,59,59	0
57	MG	2A	3689	1/1	0.92	0.16	61,61,61,61	0
57	MG	1A	3813	1/1	0.92	0.08	32,32,32,32	0
57	MG	1A	3392	1/1	0.92	0.10	46,46,46,46	0
57	MG	2A	3692	1/1	0.92	0.12	59,59,59,59	0
57	MG	2A	3401	1/1	0.92	0.21	53,53,53,53	0
57	MG	1F	314	1/1	0.92	0.11	55,55,55,55	0
57	MG	2A	3007	1/1	0.92	0.15	61,61,61,61	0
57	MG	1G	203	1/1	0.92	0.08	59,59,59,59	0
57	MG	2A	3014	1/1	0.92	0.11	46,46,46,46	0
57	MG	2A	3407	1/1	0.92	0.46	65,65,65,65	0
57	MG	2A	3409	1/1	0.92	0.16	43,43,43,43	0
57	MG	1A	3394	1/1	0.92	0.23	61,61,61,61	0
57	MG	1I	201	1/1	0.92	0.08	66,66,66,66	0
57	MG	2a	1666	1/1	0.92	0.14	59,59,59,59	0
57	MG	2A	3413	1/1	0.92	0.27	70,70,70,70	0
57	MG	2A	3238	1/1	0.92	0.11	61,61,61,61	0
57	MG	2A	3415	1/1	0.92	0.20	70,70,70,70	0
57	MG	1A	3525	1/1	0.92	0.15	58,58,58,58	0
57	MG	2A	3417	1/1	0.92	0.26	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3418	1/1	0.92	0.30	60,60,60,60	0
57	MG	2A	3713	1/1	0.92	0.11	57,57,57,57	0
57	MG	2A	3718	1/1	0.92	0.20	66,66,66,66	0
57	MG	1A	3527	1/1	0.92	0.12	50,50,50,50	0
57	MG	1A	3171	1/1	0.92	0.26	43,43,43,43	0
57	MG	2A	3721	1/1	0.92	0.13	62,62,62,62	0
57	MG	1P	205	1/1	0.92	0.20	55,55,55,55	0
57	MG	2A	3725	1/1	0.92	0.10	58,58,58,58	0
57	MG	2A	3727	1/1	0.92	0.15	69,69,69,69	0
57	MG	1Q	205	1/1	0.92	0.09	55,55,55,55	0
57	MG	2A	3246	1/1	0.92	0.10	54,54,54,54	0
57	MG	1A	3829	1/1	0.92	0.12	52,52,52,52	0
57	MG	1A	3463	1/1	0.92	0.10	53,53,53,53	0
57	MG	2A	3738	1/1	0.92	0.20	71,71,71,71	0
57	MG	1A	3321	1/1	0.92	0.14	61,61,61,61	0
57	MG	2A	3251	1/1	0.92	0.15	75,75,75,75	0
57	MG	2A	3742	1/1	0.92	0.21	65,65,65,65	0
57	MG	1A	3172	1/1	0.92	0.09	49,49,49,49	0
57	MG	2A	3043	1/1	0.92	0.21	70,70,70,70	0
57	MG	2A	3434	1/1	0.92	0.19	53,53,53,53	0
57	MG	2A	3254	1/1	0.92	0.08	81,81,81,81	0
57	MG	1A	3403	1/1	0.92	0.16	65,65,65,65	0
57	MG	2A	3756	1/1	0.92	0.23	51,51,51,51	0
57	MG	1a	1704	1/1	0.92	0.27	63,63,63,63	0
57	MG	2A	3758	1/1	0.92	0.12	57,57,57,57	0
57	MG	1A	3534	1/1	0.92	0.13	52,52,52,52	0
57	MG	2A	3260	1/1	0.92	0.15	63,63,63,63	0
57	MG	1A	3468	1/1	0.92	0.08	50,50,50,50	0
57	MG	1A	3672	1/1	0.92	0.05	23,23,23,23	0
57	MG	2A	3053	1/1	0.92	0.23	57,57,57,57	0
57	MG	2a	1717	1/1	0.92	0.17	63,63,63,63	0
57	MG	1A	3673	1/1	0.92	0.16	27,27,27,27	0
57	MG	1A	3841	1/1	0.92	0.09	71,71,71,71	0
57	MG	1A	3088	1/1	0.92	0.09	47,47,47,47	0
57	MG	1V	202	1/1	0.92	0.31	31,31,31,31	0
57	MG	2A	3270	1/1	0.92	0.13	73,73,73,73	0
57	MG	2A	3271	1/1	0.92	0.17	77,77,77,77	0
57	MG	1A	3332	1/1	0.92	0.18	51,51,51,51	0
57	MG	2A	3784	1/1	0.92	0.09	62,62,62,62	0
57	MG	2A	3787	1/1	0.92	0.09	51,51,51,51	0
57	MG	2A	3788	1/1	0.92	0.10	66,66,66,66	0
57	MG	1A	3406	1/1	0.92	0.33	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	3793	1/1	0.92	0.13	62,62,62,62	0
57	MG	1A	3852	1/1	0.92	0.13	76,76,76,76	0
57	MG	2a	1732	1/1	0.92	0.32	64,64,64,64	0
57	MG	2A	3477	1/1	0.92	0.25	68,68,68,68	0
57	MG	1A	4014	1/1	0.92	0.08	28,28,28,28	0
57	MG	2A	3065	1/1	0.92	0.36	75,75,75,75	0
57	MG	2A	3068	1/1	0.92	0.23	62,62,62,62	0
57	MG	1A	3475	1/1	0.92	0.09	56,56,56,56	0
57	MG	1a	1727	1/1	0.92	0.22	53,53,53,53	0
57	MG	2A	3813	1/1	0.92	0.10	61,61,61,61	0
57	MG	1Y	203	1/1	0.92	0.28	52,52,52,52	0
57	MG	1A	3333	1/1	0.92	0.14	50,50,50,50	0
57	MG	1A	3415	1/1	0.92	0.13	45,45,45,45	0
57	MG	1A	3478	1/1	0.92	0.10	65,65,65,65	0
57	MG	1a	1736	1/1	0.92	0.21	60,60,60,60	0
57	MG	1A	3183	1/1	0.92	0.11	46,46,46,46	0
57	MG	1a	1739	1/1	0.92	0.10	65,65,65,65	0
57	MG	2A	3836	1/1	0.92	0.09	64,64,64,64	0
57	MG	2a	1762	1/1	0.92	0.10	62,62,62,62	0
57	MG	1A	3257	1/1	0.92	0.07	57,57,57,57	0
57	MG	1A	3706	1/1	0.92	0.10	39,39,39,39	0
57	MG	1A	3869	1/1	0.92	0.06	39,39,39,39	0
57	MG	1A	3081	1/1	0.92	0.13	46,46,46,46	0
57	MG	1A	3708	1/1	0.92	0.17	55,55,55,55	0
57	MG	2a	1776	1/1	0.92	0.15	60,60,60,60	0
57	MG	1A	3051	1/1	0.92	0.11	42,42,42,42	0
57	MG	1A	4051	1/1	0.92	0.06	31,31,31,31	0
57	MG	2a	1782	1/1	0.92	0.14	59,59,59,59	0
57	MG	1a	1760	1/1	0.92	0.09	63,63,63,63	0
57	MG	1A	3711	1/1	0.92	0.07	67,67,67,67	0
57	MG	1A	3878	1/1	0.92	0.10	40,40,40,40	0
57	MG	2A	3303	1/1	0.92	0.16	52,52,52,52	0
57	MG	2A	3521	1/1	0.92	0.15	60,60,60,60	0
57	MG	1A	4057	1/1	0.92	0.14	31,31,31,31	0
57	MG	1A	3371	1/1	0.92	0.11	57,57,57,57	0
57	MG	2A	3306	1/1	0.92	0.15	69,69,69,69	0
57	MG	1A	3564	1/1	0.92	0.18	35,35,35,35	0
57	MG	2B	209	1/1	0.92	0.20	65,65,65,65	0
57	MG	1A	3373	1/1	0.92	0.21	45,45,45,45	0
57	MG	2B	212	1/1	0.92	0.20	62,62,62,62	0
57	MG	1A	3302	1/1	0.92	0.34	70,70,70,70	0
57	MG	1a	1606	1/1	0.92	0.26	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	1A	3722	1/1	0.92	0.10	40,40,40,40	0
57	MG	1A	3232	1/1	0.92	0.26	50,50,50,50	0
57	MG	1A	3724	1/1	0.92	0.19	76,76,76,76	0
57	MG	2B	218	1/1	0.92	0.24	81,81,81,81	0
57	MG	2A	3124	1/1	0.92	0.23	54,54,54,54	0
57	MG	2A	3317	1/1	0.92	0.11	51,51,51,51	0
57	MG	1a	1785	1/1	0.92	0.07	58,58,58,58	0
57	MG	2A	3130	1/1	0.92	0.10	47,47,47,47	0
57	MG	1A	3726	1/1	0.92	0.13	62,62,62,62	0
57	MG	2A	3134	1/1	0.92	0.23	53,53,53,53	0
57	MG	2E	308	1/1	0.92	0.15	39,39,39,39	0
57	MG	2F	301	1/1	0.92	0.16	49,49,49,49	0
57	MG	2A	3561	1/1	0.92	0.09	38,38,38,38	0
57	MG	2F	303	1/1	0.92	0.12	50,50,50,50	0
57	MG	1A	3569	1/1	0.92	0.25	58,58,58,58	0
57	MG	1a	1616	1/1	0.92	0.12	57,57,57,57	0
57	MG	1A	4081	1/1	0.92	0.19	54,54,54,54	0
57	MG	1a	1622	1/1	0.92	0.14	67,67,67,67	0
57	MG	2A	3146	1/1	0.92	0.12	57,57,57,57	0
57	MG	2Q	203	1/1	0.92	0.08	46,46,46,46	0
57	MG	2f	202	1/1	0.92	0.14	77,77,77,77	0
57	MG	1a	1623	1/1	0.92	0.15	64,64,64,64	0
57	MG	2A	3581	1/1	0.92	0.08	61,61,61,61	0
57	MG	1A	3571	1/1	0.92	0.13	41,41,41,41	0
57	MG	2l	202	1/1	0.92	0.10	77,77,77,77	0
57	MG	2l	203	1/1	0.92	0.07	72,72,72,72	0
57	MG	2A	3583	1/1	0.92	0.09	32,32,32,32	0
57	MG	1A	3733	1/1	0.92	0.12	48,48,48,48	0
57	MG	1a	1798	1/1	0.92	0.11	71,71,71,71	0
57	MG	2v	102	1/1	0.92	0.35	77,77,77,77	0
57	MG	1A	3494	1/1	0.92	0.17	56,56,56,56	0
57	MG	2A	3163	1/1	0.92	0.15	54,54,54,54	0
57	MG	2A	3164	1/1	0.92	0.11	46,46,46,46	0
57	MG	2A	3593	1/1	0.92	0.08	67,67,67,67	0
57	MG	1A	3907	1/1	0.92	0.09	41,41,41,41	0
57	MG	1A	3910	1/1	0.92	0.15	42,42,42,42	0
57	MG	1A	3270	1/1	0.92	0.24	53,53,53,53	0
57	MG	1a	1809	1/1	0.92	0.08	69,69,69,69	0
57	MG	1A	3307	1/1	0.92	0.06	30,30,30,30	0
58	K	1A	3570	1/1	0.92	0.12	58,58,58,58	0
57	MG	2A	3172	1/1	0.92	0.12	60,60,60,60	0
57	MG	1A	3247	1/1	0.93	0.13	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3369	1/1	0.93	0.20	51,51,51,51	0
57	MG	27	101	1/1	0.93	0.25	66,66,66,66	0
57	MG	1A	3495	1/1	0.93	0.21	63,63,63,63	0
57	MG	2A	3643	1/1	0.93	0.19	68,68,68,68	0
57	MG	1A	3700	1/1	0.93	0.06	26,26,26,26	0
57	MG	1a	1661	1/1	0.93	0.09	67,67,67,67	0
57	MG	1A	3099	1/1	0.93	0.10	51,51,51,51	0
57	MG	2A	3647	1/1	0.93	0.10	45,45,45,45	0
57	MG	2a	1604	1/1	0.93	0.26	65,65,65,65	0
57	MG	1A	3989	1/1	0.93	0.08	38,38,38,38	0
57	MG	2A	3651	1/1	0.93	0.12	46,46,46,46	0
57	MG	1E	312	1/1	0.93	0.14	58,58,58,58	0
57	MG	2A	3202	1/1	0.93	0.16	61,61,61,61	0
57	MG	1A	3703	1/1	0.93	0.08	31,31,31,31	0
57	MG	1F	308	1/1	0.93	0.13	36,36,36,36	0
57	MG	1A	3437	1/1	0.93	0.12	50,50,50,50	0
57	MG	1A	3144	1/1	0.93	0.09	49,49,49,49	0
57	MG	2A	3383	1/1	0.93	0.18	63,63,63,63	0
57	MG	1A	3996	1/1	0.93	0.10	48,48,48,48	0
57	MG	1a	1672	1/1	0.93	0.09	66,66,66,66	0
57	MG	1A	3049	1/1	0.93	0.08	41,41,41,41	0
57	MG	1a	1674	1/1	0.93	0.27	75,75,75,75	0
57	MG	1A	3215	1/1	0.93	0.14	53,53,53,53	0
57	MG	1N	201	1/1	0.93	0.16	44,44,44,44	0
57	MG	1A	3585	1/1	0.93	0.20	66,66,66,66	0
57	MG	1A	3586	1/1	0.93	0.10	50,50,50,50	0
57	MG	1A	3443	1/1	0.93	0.11	55,55,55,55	0
57	MG	2a	1625	1/1	0.93	0.14	70,70,70,70	0
57	MG	1A	3590	1/1	0.93	0.11	42,42,42,42	0
57	MG	2A	3220	1/1	0.93	0.35	73,73,73,73	0
57	MG	1A	3868	1/1	0.93	0.22	34,34,34,34	0
57	MG	1A	3719	1/1	0.93	0.13	45,45,45,45	0
57	MG	2A	3006	1/1	0.93	0.19	68,68,68,68	0
57	MG	2A	3225	1/1	0.93	0.16	61,61,61,61	0
57	MG	1A	3027	1/1	0.93	0.12	77,77,77,77	0
57	MG	1A	4013	1/1	0.93	0.06	29,29,29,29	0
57	MG	2A	3010	1/1	0.93	0.08	66,66,66,66	0
57	MG	1A	3189	1/1	0.93	0.20	43,43,43,43	0
57	MG	2a	1637	1/1	0.93	0.25	73,73,73,73	0
57	MG	1A	3341	1/1	0.93	0.12	51,51,51,51	0
57	MG	2A	3018	1/1	0.93	0.18	64,64,64,64	0
57	MG	1A	3598	1/1	0.93	0.12	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	1694	1/1	0.93	0.14	55,55,55,55	0
57	MG	1A	3190	1/1	0.93	0.13	43,43,43,43	0
57	MG	1A	4024	1/1	0.93	0.07	47,47,47,47	0
57	MG	1A	3606	1/1	0.93	0.08	51,51,51,51	0
57	MG	2A	3034	1/1	0.93	0.10	61,61,61,61	0
57	MG	1A	3731	1/1	0.93	0.10	79,79,79,79	0
57	MG	1A	3885	1/1	0.93	0.09	46,46,46,46	0
57	MG	2A	3245	1/1	0.93	0.11	71,71,71,71	0
57	MG	1A	3888	1/1	0.93	0.11	32,32,32,32	0
57	MG	1V	205	1/1	0.93	0.19	55,55,55,55	0
57	MG	1a	1706	1/1	0.93	0.31	65,65,65,65	0
57	MG	1A	4035	1/1	0.93	0.07	75,75,75,75	0
57	MG	1A	3265	1/1	0.93	0.09	65,65,65,65	0
57	MG	2a	1654	1/1	0.93	0.14	74,74,74,74	0
57	MG	1a	1709	1/1	0.93	0.44	77,77,77,77	0
57	MG	1A	3308	1/1	0.93	0.07	43,43,43,43	0
57	MG	1A	4045	1/1	0.93	0.12	64,64,64,64	0
57	MG	2A	3716	1/1	0.93	0.13	44,44,44,44	0
57	MG	1Y	201	1/1	0.93	0.16	50,50,50,50	0
57	MG	1A	3457	1/1	0.93	0.26	39,39,39,39	0
57	MG	1A	3458	1/1	0.93	0.20	39,39,39,39	0
57	MG	2A	3259	1/1	0.93	0.10	55,55,55,55	0
57	MG	2A	3722	1/1	0.93	0.11	70,70,70,70	0
57	MG	2A	3438	1/1	0.93	0.24	58,58,58,58	0
57	MG	2A	3055	1/1	0.93	0.21	66,66,66,66	0
57	MG	2A	3440	1/1	0.93	0.32	58,58,58,58	0
57	MG	2A	3441	1/1	0.93	0.26	64,64,64,64	0
57	MG	2a	1673	1/1	0.93	0.11	66,66,66,66	0
57	MG	2A	3442	1/1	0.93	0.10	57,57,57,57	0
57	MG	2a	1675	1/1	0.93	0.13	75,75,75,75	0
57	MG	2a	1676	1/1	0.93	0.11	74,74,74,74	0
57	MG	2A	3732	1/1	0.93	0.11	65,65,65,65	0
57	MG	1a	1715	1/1	0.93	0.08	51,51,51,51	0
57	MG	2A	3734	1/1	0.93	0.10	67,67,67,67	0
57	MG	1a	1717	1/1	0.93	0.30	71,71,71,71	0
57	MG	1a	1718	1/1	0.93	0.22	53,53,53,53	0
57	MG	1A	4050	1/1	0.93	0.13	38,38,38,38	0
57	MG	2a	1684	1/1	0.93	0.21	61,61,61,61	0
57	MG	1A	3894	1/1	0.93	0.07	39,39,39,39	0
57	MG	2A	3456	1/1	0.93	0.13	62,62,62,62	0
57	MG	1A	4052	1/1	0.93	0.12	50,50,50,50	0
57	MG	2A	3745	1/1	0.93	0.14	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	10	106	1/1	0.93	0.10	56,56,56,56	0
57	MG	2A	3749	1/1	0.93	0.10	63,63,63,63	0
57	MG	2A	3463	1/1	0.93	0.15	61,61,61,61	0
57	MG	1A	3309	1/1	0.93	0.32	63,63,63,63	0
57	MG	2A	3066	1/1	0.93	0.15	59,59,59,59	0
57	MG	1A	3349	1/1	0.93	0.08	59,59,59,59	0
57	MG	2A	3470	1/1	0.93	0.09	64,64,64,64	0
57	MG	2A	3471	1/1	0.93	0.26	64,64,64,64	0
57	MG	2a	1702	1/1	0.93	0.14	80,80,80,80	0
57	MG	12	3702	1/1	0.93	0.10	45,45,45,45	0
57	MG	2A	3760	1/1	0.93	0.20	62,62,62,62	0
57	MG	1A	3395	1/1	0.93	0.24	56,56,56,56	0
57	MG	1A	3266	1/1	0.93	0.26	68,68,68,68	0
57	MG	1A	3351	1/1	0.93	0.12	47,47,47,47	0
57	MG	15	105	1/1	0.93	0.21	46,46,46,46	0
57	MG	1A	3400	1/1	0.93	0.38	49,49,49,49	0
57	MG	2A	3769	1/1	0.93	0.11	43,43,43,43	0
57	MG	1A	3228	1/1	0.93	0.10	52,52,52,52	0
57	MG	2A	3771	1/1	0.93	0.12	67,67,67,67	0
57	MG	1a	1741	1/1	0.93	0.18	67,67,67,67	0
57	MG	1A	3113	1/1	0.93	0.17	31,31,31,31	0
57	MG	2a	1716	1/1	0.93	0.23	68,68,68,68	0
57	MG	2A	3089	1/1	0.93	0.10	47,47,47,47	0
57	MG	2A	3091	1/1	0.93	0.16	50,50,50,50	0
57	MG	1a	1744	1/1	0.93	0.15	56,56,56,56	0
57	MG	2A	3487	1/1	0.93	0.26	60,60,60,60	0
57	MG	18	101	1/1	0.93	0.27	60,60,60,60	0
57	MG	1a	1747	1/1	0.93	0.08	56,56,56,56	0
57	MG	1a	1751	1/1	0.93	0.07	57,57,57,57	0
57	MG	1A	3783	1/1	0.93	0.08	33,33,33,33	0
57	MG	2A	3794	1/1	0.93	0.11	68,68,68,68	0
57	MG	1A	3637	1/1	0.93	0.07	25,25,25,25	0
57	MG	1A	3918	1/1	0.93	0.08	34,34,34,34	0
57	MG	1A	3537	1/1	0.93	0.23	33,33,33,33	0
57	MG	1A	3791	1/1	0.93	0.10	51,51,51,51	0
57	MG	1A	3317	1/1	0.93	0.12	49,49,49,49	0
57	MG	2A	3298	1/1	0.93	0.08	63,63,63,63	0
57	MG	2A	3808	1/1	0.93	0.07	59,59,59,59	0
57	MG	2A	3809	1/1	0.93	0.17	64,64,64,64	0
57	MG	2a	1735	1/1	0.93	0.31	63,63,63,63	0
57	MG	1A	3927	1/1	0.93	0.08	42,42,42,42	0
57	MG	2A	3812	1/1	0.93	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	1A	4087	1/1	0.93	0.08	51,51,51,51	0
57	MG	1a	1608	1/1	0.93	0.32	63,63,63,63	0
57	MG	1A	3061	1/1	0.93	0.12	45,45,45,45	0
57	MG	1A	3643	1/1	0.93	0.07	29,29,29,29	0
57	MG	2a	1744	1/1	0.93	0.20	69,69,69,69	0
57	MG	2A	3515	1/1	0.93	0.10	61,61,61,61	0
57	MG	2A	3118	1/1	0.93	0.21	76,76,76,76	0
57	MG	1A	3235	1/1	0.93	0.18	54,54,54,54	0
57	MG	1A	3649	1/1	0.93	0.08	43,43,43,43	0
57	MG	1A	3652	1/1	0.93	0.09	41,41,41,41	0
57	MG	2a	1754	1/1	0.93	0.10	85,85,85,85	0
57	MG	2a	1757	1/1	0.93	0.08	50,50,50,50	0
57	MG	2A	3122	1/1	0.93	0.07	54,54,54,54	0
57	MG	2A	3528	1/1	0.93	0.08	47,47,47,47	0
57	MG	2A	3529	1/1	0.93	0.10	52,52,52,52	0
57	MG	1A	3653	1/1	0.93	0.12	48,48,48,48	0
57	MG	2a	1766	1/1	0.93	0.12	73,73,73,73	0
57	MG	2A	3848	1/1	0.93	0.08	52,52,52,52	0
57	MG	1A	4096	1/1	0.93	0.11	59,59,59,59	0
57	MG	2A	3851	1/1	0.93	0.12	56,56,56,56	0
57	MG	2A	3852	1/1	0.93	0.14	51,51,51,51	0
57	MG	2A	3853	1/1	0.93	0.14	48,48,48,48	0
57	MG	2A	3533	1/1	0.93	0.14	69,69,69,69	0
57	MG	2a	1778	1/1	0.93	0.19	74,74,74,74	0
57	MG	1a	1621	1/1	0.93	0.32	77,77,77,77	0
57	MG	2A	3313	1/1	0.93	0.23	68,68,68,68	0
57	MG	1B	201	1/1	0.93	0.17	63,63,63,63	0
57	MG	1A	3409	1/1	0.93	0.20	43,43,43,43	0
57	MG	1A	3413	1/1	0.93	0.08	49,49,49,49	0
57	MG	1A	3659	1/1	0.93	0.08	26,26,26,26	0
57	MG	1a	1626	1/1	0.93	0.26	64,64,64,64	0
57	MG	2A	3544	1/1	0.93	0.10	47,47,47,47	0
57	MG	1A	3239	1/1	0.93	0.12	47,47,47,47	0
57	MG	1A	3956	1/1	0.93	0.07	45,45,45,45	0
57	MG	2A	3551	1/1	0.93	0.08	52,52,52,52	0
57	MG	2B	210	1/1	0.93	0.14	75,75,75,75	0
57	MG	1A	3322	1/1	0.93	0.21	55,55,55,55	0
57	MG	2a	1797	1/1	0.93	0.18	70,70,70,70	0
57	MG	2A	3558	1/1	0.93	0.09	45,45,45,45	0
57	MG	2a	1799	1/1	0.93	0.16	79,79,79,79	0
57	MG	1A	3958	1/1	0.93	0.09	57,57,57,57	0
57	MG	1a	1796	1/1	0.93	0.12	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	1A	3668	1/1	0.93	0.09	42,42,42,42	0
57	MG	2A	3153	1/1	0.93	0.16	43,43,43,43	0
57	MG	2A	3155	1/1	0.93	0.14	65,65,65,65	0
57	MG	2A	3570	1/1	0.93	0.13	53,53,53,53	0
57	MG	2a	1806	1/1	0.93	0.09	65,65,65,65	0
57	MG	1A	3670	1/1	0.93	0.06	22,22,22,22	0
57	MG	1A	3363	1/1	0.93	0.14	43,43,43,43	0
57	MG	2D	305	1/1	0.93	0.15	52,52,52,52	0
57	MG	2A	3576	1/1	0.93	0.11	50,50,50,50	0
57	MG	2a	1811	1/1	0.93	0.17	50,50,50,50	0
57	MG	2A	3161	1/1	0.93	0.12	43,43,43,43	0
57	MG	2A	3580	1/1	0.93	0.14	54,54,54,54	0
57	MG	2A	3162	1/1	0.93	0.33	60,60,60,60	0
57	MG	1a	1802	1/1	0.93	0.13	70,70,70,70	0
57	MG	1a	1803	1/1	0.93	0.11	67,67,67,67	0
57	MG	2A	3165	1/1	0.93	0.18	64,64,64,64	0
57	MG	1A	3827	1/1	0.93	0.17	50,50,50,50	0
57	MG	2F	305	1/1	0.93	0.21	50,50,50,50	0
57	MG	1A	3828	1/1	0.93	0.12	56,56,56,56	0
57	MG	1a	1806	1/1	0.93	0.09	81,81,81,81	0
57	MG	1a	1638	1/1	0.93	0.19	60,60,60,60	0
57	MG	2d	301	1/1	0.93	0.33	63,63,63,63	0
57	MG	2N	201	1/1	0.93	0.07	62,62,62,62	0
57	MG	1A	3326	1/1	0.93	0.09	35,35,35,35	0
57	MG	1B	224	1/1	0.93	0.09	57,57,57,57	0
57	MG	2A	3173	1/1	0.93	0.09	61,61,61,61	0
57	MG	2k	201	1/1	0.93	0.12	73,73,73,73	0
57	MG	2A	3350	1/1	0.93	0.12	65,65,65,65	0
57	MG	1A	3328	1/1	0.93	0.17	62,62,62,62	0
57	MG	1a	1642	1/1	0.93	0.19	70,70,70,70	0
57	MG	1A	3971	1/1	0.93	0.11	65,65,65,65	0
57	MG	2r	101	1/1	0.93	0.18	84,84,84,84	0
57	MG	1A	3679	1/1	0.93	0.07	30,30,30,30	0
57	MG	2U	201	1/1	0.93	0.14	63,63,63,63	0
57	MG	1A	3199	1/1	0.93	0.42	39,39,39,39	0
57	MG	1A	3833	1/1	0.93	0.08	38,38,38,38	0
57	MG	2A	3613	1/1	0.93	0.15	68,68,68,68	0
57	MG	1A	3368	1/1	0.93	0.08	48,48,48,48	0
57	MG	2A	3188	1/1	0.93	0.22	74,74,74,74	0
57	MG	1A	3085	1/1	0.93	0.23	34,34,34,34	0
57	MG	1A	3427	1/1	0.93	0.16	59,59,59,59	0
57	MG	2A	3624	1/1	0.93	0.15	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	2A	3191	1/1	0.93	0.09	68,68,68,68	0
57	MG	1D	310	1/1	0.93	0.17	28,28,28,28	0
57	MG	2A	3193	1/1	0.93	0.11	65,65,65,65	0
57	MG	1A	3086	1/1	0.93	0.21	30,30,30,30	0
57	MG	2A	3108	1/1	0.94	0.09	50,50,50,50	0
57	MG	2T	3504	1/1	0.94	0.16	59,59,59,59	0
57	MG	1A	3523	1/1	0.94	0.34	40,40,40,40	0
57	MG	1a	1730	1/1	0.94	0.20	54,54,54,54	0
57	MG	1A	3819	1/1	0.94	0.06	32,32,32,32	0
57	MG	1A	3083	1/1	0.94	0.25	46,46,46,46	0
57	MG	1U	208	1/1	0.94	0.19	36,36,36,36	0
57	MG	2W	202	1/1	0.94	0.09	43,43,43,43	0
57	MG	1A	3988	1/1	0.94	0.10	23,23,23,23	0
57	MG	1A	3318	1/1	0.94	0.12	53,53,53,53	0
57	MG	2A	3600	1/1	0.94	0.17	58,58,58,58	0
57	MG	20	102	1/1	0.94	0.13	68,68,68,68	0
57	MG	2A	3601	1/1	0.94	0.17	57,57,57,57	0
57	MG	1a	1738	1/1	0.94	0.29	62,62,62,62	0
57	MG	1A	3528	1/1	0.94	0.12	52,52,52,52	0
57	MG	1A	3250	1/1	0.94	0.16	69,69,69,69	0
57	MG	25	101	1/1	0.94	0.27	61,61,61,61	0
57	MG	1A	3647	1/1	0.94	0.09	53,53,53,53	0
57	MG	2A	3608	1/1	0.94	0.18	70,70,70,70	0
57	MG	1a	1743	1/1	0.94	0.14	65,65,65,65	0
57	MG	1A	3122	1/1	0.94	0.10	47,47,47,47	0
57	MG	2A	3127	1/1	0.94	0.14	53,53,53,53	0
57	MG	1X	105	1/1	0.94	0.07	51,51,51,51	0
57	MG	2A	3615	1/1	0.94	0.07	31,31,31,31	0
57	MG	1A	3377	1/1	0.94	0.22	40,40,40,40	0
57	MG	1A	3450	1/1	0.94	0.18	48,48,48,48	0
57	MG	2A	3618	1/1	0.94	0.11	54,54,54,54	0
57	MG	2A	3619	1/1	0.94	0.13	50,50,50,50	0
57	MG	1A	3018	1/1	0.94	0.11	33,33,33,33	0
57	MG	2A	3135	1/1	0.94	0.10	38,38,38,38	0
57	MG	1A	4000	1/1	0.94	0.11	46,46,46,46	0
57	MG	2A	3351	1/1	0.94	0.08	60,60,60,60	0
57	MG	1A	3655	1/1	0.94	0.14	59,59,59,59	0
57	MG	2A	3139	1/1	0.94	0.24	57,57,57,57	0
57	MG	2A	3141	1/1	0.94	0.14	59,59,59,59	0
57	MG	1A	4003	1/1	0.94	0.12	51,51,51,51	0
57	MG	1Z	303	1/1	0.94	0.18	57,57,57,57	0
57	MG	10	104	1/1	0.94	0.25	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	1761	1/1	0.94	0.13	68,68,68,68	0
57	MG	1A	3001	1/1	0.94	0.13	48,48,48,48	0
57	MG	2A	3150	1/1	0.94	0.10	54,54,54,54	0
57	MG	1A	3198	1/1	0.94	0.07	45,45,45,45	0
57	MG	2A	3362	1/1	0.94	0.17	70,70,70,70	0
57	MG	2A	3649	1/1	0.94	0.08	59,59,59,59	0
57	MG	1A	3130	1/1	0.94	0.12	38,38,38,38	0
57	MG	1l	101	1/1	0.94	0.54	48,48,48,48	0
57	MG	2A	3156	1/1	0.94	0.09	74,74,74,74	0
57	MG	1A	3538	1/1	0.94	0.22	54,54,54,54	0
57	MG	12	3701	1/1	0.94	0.07	53,53,53,53	0
57	MG	1a	1777	1/1	0.94	0.10	55,55,55,55	0
57	MG	1a	1778	1/1	0.94	0.10	59,59,59,59	0
57	MG	1A	3200	1/1	0.94	0.10	49,49,49,49	0
57	MG	2A	3659	1/1	0.94	0.08	59,59,59,59	0
57	MG	1A	3540	1/1	0.94	0.25	46,46,46,46	0
57	MG	1A	3843	1/1	0.94	0.16	53,53,53,53	0
57	MG	1A	4016	1/1	0.94	0.08	30,30,30,30	0
57	MG	2A	3663	1/1	0.94	0.09	73,73,73,73	0
57	MG	1A	3844	1/1	0.94	0.09	52,52,52,52	0
57	MG	1A	3385	1/1	0.94	0.17	38,38,38,38	0
57	MG	2A	3666	1/1	0.94	0.12	69,69,69,69	0
57	MG	1a	1786	1/1	0.94	0.08	57,57,57,57	0
57	MG	1A	3330	1/1	0.94	0.12	48,48,48,48	0
57	MG	2A	3670	1/1	0.94	0.10	60,60,60,60	0
57	MG	1A	3850	1/1	0.94	0.15	42,42,42,42	0
57	MG	1A	3543	1/1	0.94	0.19	41,41,41,41	0
57	MG	1A	3261	1/1	0.94	0.06	33,33,33,33	0
57	MG	1A	4027	1/1	0.94	0.06	64,64,64,64	0
57	MG	2A	3679	1/1	0.94	0.11	57,57,57,57	0
57	MG	1A	4028	1/1	0.94	0.08	66,66,66,66	0
57	MG	2A	3179	1/1	0.94	0.20	59,59,59,59	0
57	MG	1A	4030	1/1	0.94	0.06	49,49,49,49	0
57	MG	2A	3182	1/1	0.94	0.23	66,66,66,66	0
57	MG	1a	1602	1/1	0.94	0.11	67,67,67,67	0
57	MG	1A	3264	1/1	0.94	0.23	67,67,67,67	0
57	MG	1A	3547	1/1	0.94	0.28	57,57,57,57	0
57	MG	1A	3859	1/1	0.94	0.14	52,52,52,52	0
57	MG	1A	3860	1/1	0.94	0.08	47,47,47,47	0
57	MG	1a	1801	1/1	0.94	0.10	63,63,63,63	0
57	MG	1A	4037	1/1	0.94	0.08	78,78,78,78	0
57	MG	1a	1609	1/1	0.94	0.10	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	3400	1/1	0.94	0.19	47,47,47,47	0
57	MG	1A	3465	1/1	0.94	0.16	52,52,52,52	0
57	MG	2A	3402	1/1	0.94	0.25	55,55,55,55	0
57	MG	1A	4040	1/1	0.94	0.08	58,58,58,58	0
57	MG	2A	3699	1/1	0.94	0.08	65,65,65,65	0
57	MG	1A	3138	1/1	0.94	0.28	39,39,39,39	0
57	MG	1A	4047	1/1	0.94	0.08	42,42,42,42	0
57	MG	1a	1811	1/1	0.94	0.13	76,76,76,76	0
57	MG	1A	3139	1/1	0.94	0.12	42,42,42,42	0
57	MG	1a	1817	1/1	0.94	0.07	64,64,64,64	0
57	MG	1A	3691	1/1	0.94	0.13	73,73,73,73	0
57	MG	1A	3694	1/1	0.94	0.09	42,42,42,42	0
57	MG	1A	3059	1/1	0.94	0.13	54,54,54,54	0
57	MG	2a	1678	1/1	0.94	0.17	65,65,65,65	0
57	MG	1A	3041	1/1	0.94	0.07	32,32,32,32	0
57	MG	1A	3555	1/1	0.94	0.22	58,58,58,58	0
57	MG	1A	3872	1/1	0.94	0.14	31,31,31,31	0
57	MG	2A	3712	1/1	0.94	0.07	68,68,68,68	0
57	MG	1e	201	1/1	0.94	0.10	68,68,68,68	0
57	MG	1A	3022	1/1	0.94	0.06	46,46,46,46	0
57	MG	1A	3214	1/1	0.94	0.15	55,55,55,55	0
57	MG	2a	1687	1/1	0.94	0.15	68,68,68,68	0
57	MG	1A	3704	1/1	0.94	0.13	31,31,31,31	0
57	MG	1A	3275	1/1	0.94	0.12	46,46,46,46	0
57	MG	1A	3277	1/1	0.94	0.07	48,48,48,48	0
57	MG	2a	1691	1/1	0.94	0.12	44,44,44,44	0
57	MG	1A	3090	1/1	0.94	0.10	32,32,32,32	0
57	MG	1A	3882	1/1	0.94	0.08	32,32,32,32	0
57	MG	1A	3884	1/1	0.94	0.11	28,28,28,28	0
57	MG	1A	3289	1/1	0.94	0.26	47,47,47,47	0
57	MG	2A	3428	1/1	0.94	0.09	77,77,77,77	0
57	MG	1A	3886	1/1	0.94	0.10	52,52,52,52	0
57	MG	2A	3430	1/1	0.94	0.13	51,51,51,51	0
57	MG	1A	3710	1/1	0.94	0.12	59,59,59,59	0
57	MG	1A	3216	1/1	0.94	0.20	61,61,61,61	0
57	MG	1A	3046	1/1	0.94	0.05	40,40,40,40	0
57	MG	1A	3224	1/1	0.94	0.17	38,38,38,38	0
57	MG	2a	1705	1/1	0.94	0.09	74,74,74,74	0
57	MG	1A	3002	1/1	0.94	0.07	53,53,53,53	0
57	MG	2A	3226	1/1	0.94	0.12	56,56,56,56	0
57	MG	1A	3579	1/1	0.94	0.39	42,42,42,42	0
57	MG	1w	106	1/1	0.94	0.08	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	1A	3483	1/1	0.94	0.16	57,57,57,57	0
57	MG	1a	1645	1/1	0.94	0.10	60,60,60,60	0
57	MG	1A	3078	1/1	0.94	0.08	26,26,26,26	0
57	MG	2A	3444	1/1	0.94	0.07	62,62,62,62	0
57	MG	1A	3897	1/1	0.94	0.07	31,31,31,31	0
57	MG	2A	3447	1/1	0.94	0.14	58,58,58,58	0
57	MG	1A	3488	1/1	0.94	0.14	41,41,41,41	0
57	MG	1A	3416	1/1	0.94	0.11	44,44,44,44	0
57	MG	1A	3490	1/1	0.94	0.10	54,54,54,54	0
57	MG	1A	3417	1/1	0.94	0.15	41,41,41,41	0
57	MG	1A	3905	1/1	0.94	0.07	32,32,32,32	0
57	MG	2A	3458	1/1	0.94	0.10	62,62,62,62	0
57	MG	2A	3459	1/1	0.94	0.20	45,45,45,45	0
57	MG	1A	3591	1/1	0.94	0.10	39,39,39,39	0
57	MG	1A	3592	1/1	0.94	0.16	35,35,35,35	0
57	MG	1A	3492	1/1	0.94	0.09	39,39,39,39	0
57	MG	2A	3466	1/1	0.94	0.10	39,39,39,39	0
57	MG	1B	209	1/1	0.94	0.14	37,37,37,37	0
57	MG	2A	3003	1/1	0.94	0.23	48,48,48,48	0
57	MG	2a	1729	1/1	0.94	0.41	73,73,73,73	0
57	MG	2A	3005	1/1	0.94	0.21	67,67,67,67	0
57	MG	1A	3594	1/1	0.94	0.24	59,59,59,59	0
57	MG	1A	3917	1/1	0.94	0.21	54,54,54,54	0
57	MG	1A	3735	1/1	0.94	0.06	52,52,52,52	0
57	MG	1A	3164	1/1	0.94	0.16	58,58,58,58	0
57	MG	2A	3011	1/1	0.94	0.12	58,58,58,58	0
57	MG	2A	3785	1/1	0.94	0.08	43,43,43,43	0
57	MG	2A	3013	1/1	0.94	0.11	50,50,50,50	0
57	MG	1A	3298	1/1	0.94	0.14	54,54,54,54	0
57	MG	2A	3789	1/1	0.94	0.07	48,48,48,48	0
57	MG	1A	3925	1/1	0.94	0.09	58,58,58,58	0
57	MG	1A	3743	1/1	0.94	0.19	61,61,61,61	0
57	MG	1A	3597	1/1	0.94	0.09	34,34,34,34	0
57	MG	1A	3421	1/1	0.94	0.13	57,57,57,57	0
57	MG	2A	3025	1/1	0.94	0.09	47,47,47,47	0
57	MG	1A	3757	1/1	0.94	0.12	45,45,45,45	0
57	MG	1A	3599	1/1	0.94	0.12	43,43,43,43	0
57	MG	2A	3488	1/1	0.94	0.29	72,72,72,72	0
57	MG	2a	1751	1/1	0.94	0.09	83,83,83,83	0
57	MG	2A	3805	1/1	0.94	0.08	56,56,56,56	0
57	MG	2a	1755	1/1	0.94	0.12	70,70,70,70	0
57	MG	2a	1756	1/1	0.94	0.11	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3806	1/1	0.94	0.13	62,62,62,62	0
57	MG	1A	3761	1/1	0.94	0.06	29,29,29,29	0
57	MG	1A	3763	1/1	0.94	0.10	31,31,31,31	0
57	MG	1A	3167	1/1	0.94	0.10	39,39,39,39	0
57	MG	1A	3766	1/1	0.94	0.11	32,32,32,32	0
57	MG	1a	1678	1/1	0.94	0.29	65,65,65,65	0
57	MG	1A	3603	1/1	0.94	0.11	28,28,28,28	0
57	MG	2A	3272	1/1	0.94	0.08	72,72,72,72	0
57	MG	1B	235	1/1	0.94	0.08	48,48,48,48	0
57	MG	2a	1770	1/1	0.94	0.11	70,70,70,70	0
57	MG	2A	3499	1/1	0.94	0.37	67,67,67,67	0
57	MG	1a	1681	1/1	0.94	0.13	64,64,64,64	0
57	MG	2A	3502	1/1	0.94	0.08	69,69,69,69	0
57	MG	2A	3825	1/1	0.94	0.08	60,60,60,60	0
57	MG	2a	1779	1/1	0.94	0.22	67,67,67,67	0
57	MG	1A	3605	1/1	0.94	0.07	28,28,28,28	0
57	MG	1D	309	1/1	0.94	0.11	41,41,41,41	0
57	MG	2A	3833	1/1	0.94	0.11	45,45,45,45	0
57	MG	2A	3507	1/1	0.94	0.05	39,39,39,39	0
57	MG	1A	3952	1/1	0.94	0.09	49,49,49,49	0
57	MG	2A	3838	1/1	0.94	0.09	59,59,59,59	0
57	MG	1A	3953	1/1	0.94	0.07	63,63,63,63	0
57	MG	1A	3048	1/1	0.94	0.11	24,24,24,24	0
57	MG	1a	1688	1/1	0.94	0.11	63,63,63,63	0
57	MG	2A	3847	1/1	0.94	0.06	47,47,47,47	0
57	MG	1a	1690	1/1	0.94	0.16	61,61,61,61	0
57	MG	2A	3516	1/1	0.94	0.12	28,28,28,28	0
57	MG	1A	3500	1/1	0.94	0.07	47,47,47,47	0
57	MG	2a	1796	1/1	0.94	0.20	71,71,71,71	0
57	MG	1A	3785	1/1	0.94	0.08	49,49,49,49	0
57	MG	2A	3522	1/1	0.94	0.10	52,52,52,52	0
57	MG	2A	3856	1/1	0.94	0.15	67,67,67,67	0
57	MG	1A	3786	1/1	0.94	0.06	42,42,42,42	0
57	MG	2A	3525	1/1	0.94	0.14	58,58,58,58	0
57	MG	2A	3860	1/1	0.94	0.11	66,66,66,66	0
57	MG	2A	3058	1/1	0.94	0.17	55,55,55,55	0
57	MG	1A	3959	1/1	0.94	0.09	43,43,43,43	0
57	MG	1A	3025	1/1	0.94	0.08	38,38,38,38	0
57	MG	1A	3236	1/1	0.94	0.12	63,63,63,63	0
57	MG	1A	3790	1/1	0.94	0.08	48,48,48,48	0
57	MG	2B	204	1/1	0.94	0.13	76,76,76,76	0
57	MG	1A	3237	1/1	0.94	0.26	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	2A	3293	1/1	0.94	0.18	54,54,54,54	0
57	MG	1F	312	1/1	0.94	0.14	48,48,48,48	0
57	MG	1F	313	1/1	0.94	0.11	35,35,35,35	0
57	MG	1A	3965	1/1	0.94	0.06	45,45,45,45	0
57	MG	1A	3966	1/1	0.94	0.09	27,27,27,27	0
57	MG	1A	3111	1/1	0.94	0.09	46,46,46,46	0
57	MG	1A	3241	1/1	0.94	0.07	37,37,37,37	0
57	MG	2A	3541	1/1	0.94	0.14	51,51,51,51	0
57	MG	2A	3542	1/1	0.94	0.07	51,51,51,51	0
57	MG	1A	3969	1/1	0.94	0.23	52,52,52,52	0
57	MG	1A	3007	1/1	0.94	0.08	40,40,40,40	0
57	MG	2A	3546	1/1	0.94	0.12	48,48,48,48	0
57	MG	2a	1823	1/1	0.94	0.13	70,70,70,70	0
57	MG	2A	3547	1/1	0.94	0.10	58,58,58,58	0
57	MG	1A	3436	1/1	0.94	0.10	53,53,53,53	0
57	MG	2d	302	1/1	0.94	0.09	70,70,70,70	0
57	MG	2A	3085	1/1	0.94	0.28	67,67,67,67	0
57	MG	1A	3802	1/1	0.94	0.07	22,22,22,22	0
57	MG	2A	3555	1/1	0.94	0.15	59,59,59,59	0
57	MG	1A	3116	1/1	0.94	0.19	42,42,42,42	0
57	MG	2A	3557	1/1	0.94	0.14	47,47,47,47	0
57	MG	2E	306	1/1	0.94	0.09	34,34,34,34	0
57	MG	1Q	201	1/1	0.94	0.34	42,42,42,42	0
57	MG	1A	3975	1/1	0.94	0.07	60,60,60,60	0
57	MG	2q	201	1/1	0.94	0.12	77,77,77,77	0
57	MG	1a	1716	1/1	0.94	0.14	56,56,56,56	0
57	MG	1Q	207	1/1	0.94	0.08	35,35,35,35	0
57	MG	2A	3563	1/1	0.94	0.16	64,64,64,64	0
57	MG	2A	3564	1/1	0.94	0.08	52,52,52,52	0
57	MG	2A	3096	1/1	0.94	0.09	51,51,51,51	0
57	MG	1A	3186	1/1	0.94	0.06	39,39,39,39	0
57	MG	1a	1719	1/1	0.94	0.19	56,56,56,56	0
57	MG	2A	3314	1/1	0.94	0.29	65,65,65,65	0
57	MG	1A	3977	1/1	0.94	0.10	55,55,55,55	0
57	MG	2P	201	1/1	0.94	0.17	60,60,60,60	0
57	MG	1A	3628	1/1	0.94	0.06	21,21,21,21	0
57	MG	1A	3631	1/1	0.94	0.10	62,62,62,62	0
57	MG	2A	3103	1/1	0.94	0.10	59,59,59,59	0
57	MG	2x	104	1/1	0.94	0.11	69,69,69,69	0
57	MG	1A	3517	1/1	0.94	0.07	49,49,49,49	0
57	MG	1A	3187	1/1	0.94	0.08	50,50,50,50	0
57	MG	1A	3370	1/1	0.94	0.09	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
60	ZN	2n	501	1/1	0.94	0.07	106,106,106,106	0
57	MG	2A	3110	1/1	0.95	0.12	61,61,61,61	0
57	MG	2A	3602	1/1	0.95	0.13	51,51,51,51	0
57	MG	1A	3818	1/1	0.95	0.06	27,27,27,27	0
57	MG	2A	3340	1/1	0.95	0.11	61,61,61,61	0
57	MG	2A	3605	1/1	0.95	0.11	62,62,62,62	0
57	MG	2A	3341	1/1	0.95	0.18	64,64,64,64	0
57	MG	1U	202	1/1	0.95	0.25	42,42,42,42	0
57	MG	2Y	201	1/1	0.95	0.21	56,56,56,56	0
57	MG	2A	3343	1/1	0.95	0.18	64,64,64,64	0
57	MG	2A	3113	1/1	0.95	0.14	60,60,60,60	0
57	MG	1A	3019	1/1	0.95	0.14	50,50,50,50	0
57	MG	1A	3990	1/1	0.95	0.12	40,40,40,40	0
57	MG	1U	206	1/1	0.95	0.17	37,37,37,37	0
57	MG	2A	3614	1/1	0.95	0.09	60,60,60,60	0
57	MG	1A	3010	1/1	0.95	0.05	34,34,34,34	0
57	MG	1U	209	1/1	0.95	0.29	36,36,36,36	0
57	MG	1A	3348	1/1	0.95	0.21	49,49,49,49	0
57	MG	25	104	1/1	0.95	0.11	51,51,51,51	0
57	MG	1V	201	1/1	0.95	0.19	30,30,30,30	0
57	MG	1A	3642	1/1	0.95	0.08	31,31,31,31	0
57	MG	2A	3620	1/1	0.95	0.10	44,44,44,44	0
57	MG	1A	3522	1/1	0.95	0.18	35,35,35,35	0
57	MG	2A	3622	1/1	0.95	0.17	66,66,66,66	0
57	MG	28	101	1/1	0.95	0.14	61,61,61,61	0
57	MG	1a	1748	1/1	0.95	0.05	35,35,35,35	0
57	MG	1A	3644	1/1	0.95	0.07	32,32,32,32	0
57	MG	1A	3645	1/1	0.95	0.06	30,30,30,30	0
57	MG	2A	3629	1/1	0.95	0.06	38,38,38,38	0
57	MG	1A	3091	1/1	0.95	0.14	60,60,60,60	0
57	MG	2A	3131	1/1	0.95	0.12	49,49,49,49	0
57	MG	2A	3633	1/1	0.95	0.07	34,34,34,34	0
57	MG	2A	3132	1/1	0.95	0.06	49,49,49,49	0
57	MG	1a	1754	1/1	0.95	0.06	54,54,54,54	0
57	MG	1A	3274	1/1	0.95	0.20	36,36,36,36	0
57	MG	1A	3092	1/1	0.95	0.09	49,49,49,49	0
57	MG	1A	3431	1/1	0.95	0.08	44,44,44,44	0
57	MG	1A	3432	1/1	0.95	0.07	46,46,46,46	0
57	MG	2a	1613	1/1	0.95	0.10	73,73,73,73	0
57	MG	1A	3355	1/1	0.95	0.16	38,38,38,38	0
57	MG	1A	3435	1/1	0.95	0.10	35,35,35,35	0
57	MG	1a	1764	1/1	0.95	0.13	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	3648	1/1	0.95	0.09	55,55,55,55	0
57	MG	2A	3143	1/1	0.95	0.17	53,53,53,53	0
57	MG	1A	4007	1/1	0.95	0.08	21,21,21,21	0
57	MG	1a	1768	1/1	0.95	0.10	66,66,66,66	0
57	MG	1A	3029	1/1	0.95	0.07	38,38,38,38	0
57	MG	2A	3375	1/1	0.95	0.13	56,56,56,56	0
57	MG	1a	1770	1/1	0.95	0.20	75,75,75,75	0
57	MG	2a	1624	1/1	0.95	0.08	65,65,65,65	0
57	MG	10	103	1/1	0.95	0.08	51,51,51,51	0
57	MG	2A	3151	1/1	0.95	0.07	55,55,55,55	0
57	MG	1A	3658	1/1	0.95	0.08	25,25,25,25	0
57	MG	1A	3150	1/1	0.95	0.23	42,42,42,42	0
57	MG	1A	3288	1/1	0.95	0.12	54,54,54,54	0
57	MG	10	107	1/1	0.95	0.16	61,61,61,61	0
57	MG	1A	3662	1/1	0.95	0.08	53,53,53,53	0
57	MG	10	109	1/1	0.95	0.08	46,46,46,46	0
57	MG	2A	3160	1/1	0.95	0.13	55,55,55,55	0
57	MG	1A	3217	1/1	0.95	0.12	34,34,34,34	0
57	MG	1A	3846	1/1	0.95	0.13	48,48,48,48	0
57	MG	1A	3536	1/1	0.95	0.10	38,38,38,38	0
57	MG	1A	3218	1/1	0.95	0.14	46,46,46,46	0
57	MG	1A	3074	1/1	0.95	0.09	27,27,27,27	0
57	MG	1A	3444	1/1	0.95	0.17	41,41,41,41	0
57	MG	1A	3853	1/1	0.95	0.06	26,26,26,26	0
57	MG	2A	3674	1/1	0.95	0.09	66,66,66,66	0
57	MG	1A	3220	1/1	0.95	0.20	47,47,47,47	0
57	MG	1A	3293	1/1	0.95	0.19	53,53,53,53	0
57	MG	2A	3677	1/1	0.95	0.10	65,65,65,65	0
57	MG	2A	3396	1/1	0.95	0.14	57,57,57,57	0
57	MG	2A	3397	1/1	0.95	0.13	44,44,44,44	0
57	MG	1A	3221	1/1	0.95	0.14	45,45,45,45	0
57	MG	17	104	1/1	0.95	0.15	58,58,58,58	0
57	MG	1A	3448	1/1	0.95	0.08	56,56,56,56	0
57	MG	1A	3861	1/1	0.95	0.07	47,47,47,47	0
57	MG	1A	3544	1/1	0.95	0.23	51,51,51,51	0
57	MG	1A	3222	1/1	0.95	0.06	38,38,38,38	0
57	MG	1A	3096	1/1	0.95	0.15	41,41,41,41	0
57	MG	1A	3367	1/1	0.95	0.25	64,64,64,64	0
57	MG	1A	3548	1/1	0.95	0.10	26,26,26,26	0
57	MG	1A	3867	1/1	0.95	0.09	42,42,42,42	0
57	MG	2A	3408	1/1	0.95	0.30	64,64,64,64	0
57	MG	1A	3075	1/1	0.95	0.06	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3697	1/1	0.95	0.12	27,27,27,27	0
57	MG	1A	3456	1/1	0.95	0.21	39,39,39,39	0
57	MG	2A	3412	1/1	0.95	0.34	59,59,59,59	0
57	MG	2A	3698	1/1	0.95	0.08	64,64,64,64	0
57	MG	1A	3699	1/1	0.95	0.10	36,36,36,36	0
57	MG	1A	3873	1/1	0.95	0.28	42,42,42,42	0
57	MG	1a	1610	1/1	0.95	0.05	27,27,27,27	0
57	MG	1A	3076	1/1	0.95	0.27	50,50,50,50	0
57	MG	1A	4054	1/1	0.95	0.07	55,55,55,55	0
57	MG	1a	1818	1/1	0.95	0.06	52,52,52,52	0
57	MG	1a	1820	1/1	0.95	0.07	65,65,65,65	0
57	MG	1a	1822	1/1	0.95	0.21	63,63,63,63	0
57	MG	1A	3227	1/1	0.95	0.10	43,43,43,43	0
57	MG	1A	4056	1/1	0.95	0.14	39,39,39,39	0
57	MG	1A	3553	1/1	0.95	0.07	49,49,49,49	0
57	MG	1A	4062	1/1	0.95	0.07	53,53,53,53	0
57	MG	1a	1618	1/1	0.95	0.06	60,60,60,60	0
57	MG	1A	3163	1/1	0.95	0.21	52,52,52,52	0
57	MG	1A	3230	1/1	0.95	0.21	32,32,32,32	0
57	MG	2A	3717	1/1	0.95	0.12	47,47,47,47	0
57	MG	2a	1685	1/1	0.95	0.21	57,57,57,57	0
57	MG	1A	3556	1/1	0.95	0.07	55,55,55,55	0
57	MG	1A	3101	1/1	0.95	0.08	41,41,41,41	0
57	MG	1A	3035	1/1	0.95	0.09	47,47,47,47	0
57	MG	1A	3108	1/1	0.95	0.17	39,39,39,39	0
57	MG	1A	3011	1/1	0.95	0.16	44,44,44,44	0
57	MG	1A	4074	1/1	0.95	0.06	43,43,43,43	0
57	MG	1A	3379	1/1	0.95	0.12	55,55,55,55	0
57	MG	2A	3726	1/1	0.95	0.10	43,43,43,43	0
57	MG	1A	3715	1/1	0.95	0.06	35,35,35,35	0
57	MG	1A	3310	1/1	0.95	0.08	45,45,45,45	0
57	MG	1A	3017	1/1	0.95	0.09	52,52,52,52	0
57	MG	2a	1698	1/1	0.95	0.15	64,64,64,64	0
57	MG	1A	3173	1/1	0.95	0.12	41,41,41,41	0
57	MG	1A	3572	1/1	0.95	0.27	33,33,33,33	0
57	MG	1A	3175	1/1	0.95	0.24	33,33,33,33	0
57	MG	1A	3471	1/1	0.95	0.11	35,35,35,35	0
57	MG	2A	3445	1/1	0.95	0.11	42,42,42,42	0
57	MG	1A	3577	1/1	0.95	0.16	44,44,44,44	0
57	MG	1A	3578	1/1	0.95	0.10	39,39,39,39	0
57	MG	2A	3448	1/1	0.95	0.06	49,49,49,49	0
57	MG	2A	3743	1/1	0.95	0.08	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3384	1/1	0.95	0.10	49,49,49,49	0
57	MG	1A	3474	1/1	0.95	0.09	40,40,40,40	0
57	MG	1A	3582	1/1	0.95	0.30	39,39,39,39	0
57	MG	1x	102	1/1	0.95	0.11	52,52,52,52	0
57	MG	2A	3228	1/1	0.95	0.19	46,46,46,46	0
57	MG	1A	3315	1/1	0.95	0.16	60,60,60,60	0
57	MG	1a	1644	1/1	0.95	0.10	67,67,67,67	0
57	MG	2A	3460	1/1	0.95	0.07	54,54,54,54	0
57	MG	2A	3461	1/1	0.95	0.07	70,70,70,70	0
57	MG	1A	3181	1/1	0.95	0.13	38,38,38,38	0
57	MG	1A	3042	1/1	0.95	0.14	35,35,35,35	0
57	MG	1A	3911	1/1	0.95	0.26	37,37,37,37	0
57	MG	1A	3914	1/1	0.95	0.06	25,25,25,25	0
57	MG	1A	3120	1/1	0.95	0.17	44,44,44,44	0
57	MG	1A	3589	1/1	0.95	0.22	42,42,42,42	0
57	MG	2A	3765	1/1	0.95	0.09	58,58,58,58	0
57	MG	1A	3740	1/1	0.95	0.06	27,27,27,27	0
57	MG	1A	3742	1/1	0.95	0.07	20,20,20,20	0
57	MG	1B	212	1/1	0.95	0.08	42,42,42,42	0
57	MG	2A	3002	1/1	0.95	0.22	52,52,52,52	0
57	MG	2A	3474	1/1	0.95	0.50	66,66,66,66	0
57	MG	1A	3390	1/1	0.95	0.09	45,45,45,45	0
57	MG	2A	3004	1/1	0.95	0.32	61,61,61,61	0
57	MG	1a	1658	1/1	0.95	0.13	60,60,60,60	0
57	MG	2A	3478	1/1	0.95	0.28	68,68,68,68	0
57	MG	2A	3479	1/1	0.95	0.14	52,52,52,52	0
57	MG	2A	3783	1/1	0.95	0.07	58,58,58,58	0
57	MG	1B	214	1/1	0.95	0.06	55,55,55,55	0
57	MG	1B	216	1/1	0.95	0.10	53,53,53,53	0
57	MG	2A	3786	1/1	0.95	0.10	64,64,64,64	0
57	MG	1B	217	1/1	0.95	0.09	45,45,45,45	0
57	MG	1A	3391	1/1	0.95	0.20	60,60,60,60	0
57	MG	1A	3746	1/1	0.95	0.11	42,42,42,42	0
57	MG	1A	3184	1/1	0.95	0.08	58,58,58,58	0
57	MG	2a	1743	1/1	0.95	0.16	68,68,68,68	0
57	MG	1A	3748	1/1	0.95	0.07	58,58,58,58	0
57	MG	1A	3754	1/1	0.95	0.11	52,52,52,52	0
57	MG	2A	3795	1/1	0.95	0.10	50,50,50,50	0
57	MG	1a	1667	1/1	0.95	0.15	58,58,58,58	0
57	MG	2a	1748	1/1	0.95	0.08	70,70,70,70	0
57	MG	2A	3257	1/1	0.95	0.10	67,67,67,67	0
57	MG	2A	3019	1/1	0.95	0.09	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	3800	1/1	0.95	0.07	76,76,76,76	0
57	MG	1a	1668	1/1	0.95	0.07	70,70,70,70	0
57	MG	1A	3756	1/1	0.95	0.07	18,18,18,18	0
57	MG	2A	3803	1/1	0.95	0.06	72,72,72,72	0
57	MG	2A	3493	1/1	0.95	0.33	64,64,64,64	0
57	MG	1A	3054	1/1	0.95	0.07	43,43,43,43	0
57	MG	2A	3262	1/1	0.95	0.09	63,63,63,63	0
57	MG	1B	226	1/1	0.95	0.10	67,67,67,67	0
57	MG	1A	3043	1/1	0.95	0.27	38,38,38,38	0
57	MG	1A	3323	1/1	0.95	0.16	36,36,36,36	0
57	MG	2A	3030	1/1	0.95	0.08	45,45,45,45	0
57	MG	2A	3031	1/1	0.95	0.10	53,53,53,53	0
57	MG	2A	3032	1/1	0.95	0.07	50,50,50,50	0
57	MG	2A	3269	1/1	0.95	0.07	55,55,55,55	0
57	MG	2a	1772	1/1	0.95	0.18	65,65,65,65	0
57	MG	1A	3762	1/1	0.95	0.08	35,35,35,35	0
57	MG	2A	3508	1/1	0.95	0.10	76,76,76,76	0
57	MG	2A	3035	1/1	0.95	0.07	47,47,47,47	0
57	MG	1A	3485	1/1	0.95	0.13	42,42,42,42	0
57	MG	1B	232	1/1	0.95	0.08	60,60,60,60	0
57	MG	2a	1780	1/1	0.95	0.07	60,60,60,60	0
57	MG	1A	3060	1/1	0.95	0.07	38,38,38,38	0
57	MG	2A	3831	1/1	0.95	0.08	42,42,42,42	0
57	MG	2a	1783	1/1	0.95	0.16	57,57,57,57	0
57	MG	2A	3514	1/1	0.95	0.06	33,33,33,33	0
57	MG	1A	3947	1/1	0.95	0.06	55,55,55,55	0
57	MG	1A	3765	1/1	0.95	0.11	44,44,44,44	0
57	MG	1A	3327	1/1	0.95	0.07	44,44,44,44	0
57	MG	1D	308	1/1	0.95	0.12	52,52,52,52	0
57	MG	2A	3047	1/1	0.95	0.15	36,36,36,36	0
57	MG	1A	3125	1/1	0.95	0.18	38,38,38,38	0
57	MG	1A	3954	1/1	0.95	0.07	51,51,51,51	0
57	MG	1A	3769	1/1	0.95	0.06	65,65,65,65	0
57	MG	1A	3770	1/1	0.95	0.08	24,24,24,24	0
57	MG	1E	301	1/1	0.95	0.18	41,41,41,41	0
57	MG	1E	306	1/1	0.95	0.08	46,46,46,46	0
57	MG	1A	3775	1/1	0.95	0.05	29,29,29,29	0
57	MG	2A	3855	1/1	0.95	0.07	64,64,64,64	0
57	MG	1A	3402	1/1	0.95	0.09	71,71,71,71	0
57	MG	1A	3779	1/1	0.95	0.14	68,68,68,68	0
57	MG	1A	3192	1/1	0.95	0.17	38,38,38,38	0
57	MG	1A	3256	1/1	0.95	0.12	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3193	1/1	0.95	0.07	42,42,42,42	0
57	MG	1F	307	1/1	0.95	0.07	46,46,46,46	0
57	MG	2A	3538	1/1	0.95	0.12	53,53,53,53	0
57	MG	1A	3963	1/1	0.95	0.05	46,46,46,46	0
57	MG	1A	3127	1/1	0.95	0.22	36,36,36,36	0
57	MG	1A	3608	1/1	0.95	0.10	43,43,43,43	0
57	MG	1A	3259	1/1	0.95	0.10	28,28,28,28	0
57	MG	2A	3067	1/1	0.95	0.13	43,43,43,43	0
57	MG	2A	3300	1/1	0.95	0.16	72,72,72,72	0
57	MG	1A	3412	1/1	0.95	0.09	45,45,45,45	0
57	MG	2a	1813	1/1	0.95	0.20	74,74,74,74	0
57	MG	1G	201	1/1	0.95	0.15	41,41,41,41	0
57	MG	1A	3611	1/1	0.95	0.11	60,60,60,60	0
57	MG	1A	3792	1/1	0.95	0.05	20,20,20,20	0
57	MG	2A	3072	1/1	0.95	0.18	67,67,67,67	0
57	MG	2A	3073	1/1	0.95	0.19	56,56,56,56	0
57	MG	2A	3074	1/1	0.95	0.12	47,47,47,47	0
57	MG	1A	3008	1/1	0.95	0.08	24,24,24,24	0
57	MG	1A	3063	1/1	0.95	0.21	50,50,50,50	0
57	MG	1N	202	1/1	0.95	0.09	45,45,45,45	0
57	MG	2A	3084	1/1	0.95	0.08	55,55,55,55	0
57	MG	1A	3796	1/1	0.95	0.06	43,43,43,43	0
57	MG	1A	3262	1/1	0.95	0.09	56,56,56,56	0
57	MG	2D	301	1/1	0.95	0.12	52,52,52,52	0
57	MG	2D	302	1/1	0.95	0.10	53,53,53,53	0
57	MG	1A	3263	1/1	0.95	0.15	55,55,55,55	0
57	MG	2A	3565	1/1	0.95	0.08	38,38,38,38	0
57	MG	2E	302	1/1	0.95	0.14	61,61,61,61	0
57	MG	1P	204	1/1	0.95	0.05	42,42,42,42	0
57	MG	1A	3507	1/1	0.95	0.14	40,40,40,40	0
57	MG	2A	3090	1/1	0.95	0.17	57,57,57,57	0
57	MG	2A	3572	1/1	0.95	0.17	56,56,56,56	0
57	MG	1A	3131	1/1	0.95	0.08	70,70,70,70	0
57	MG	2A	3092	1/1	0.95	0.06	40,40,40,40	0
57	MG	2A	3320	1/1	0.95	0.06	64,64,64,64	0
57	MG	2A	3093	1/1	0.95	0.13	69,69,69,69	0
57	MG	1Q	204	1/1	0.95	0.09	62,62,62,62	0
57	MG	1A	3132	1/1	0.95	0.08	43,43,43,43	0
57	MG	1A	3419	1/1	0.95	0.46	78,78,78,78	0
57	MG	1R	201	1/1	0.95	0.10	37,37,37,37	0
57	MG	1R	202	1/1	0.95	0.08	46,46,46,46	0
57	MG	1A	3810	1/1	0.95	0.07	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3511	1/1	0.95	0.07	60,60,60,60	0
57	MG	1A	3632	1/1	0.95	0.12	30,30,30,30	0
57	MG	2A	3591	1/1	0.95	0.16	65,65,65,65	0
57	MG	1A	3133	1/1	0.95	0.10	40,40,40,40	0
57	MG	1a	1729	1/1	0.95	0.24	61,61,61,61	0
57	MG	1A	3267	1/1	0.95	0.21	36,36,36,36	0
57	MG	1A	3136	1/1	0.95	0.08	49,49,49,49	0
57	MG	2A	3598	1/1	0.95	0.12	58,58,58,58	0
59	CLM	1A	4097	20/20	0.95	0.09	29,37,54,64	0
57	MG	1A	3987	1/1	0.95	0.08	52,52,52,52	0
57	MG	1A	3908	1/1	0.96	0.08	43,43,43,43	0
57	MG	1A	3909	1/1	0.96	0.06	55,55,55,55	0
57	MG	1A	3784	1/1	0.96	0.05	40,40,40,40	0
57	MG	1A	3016	1/1	0.96	0.18	54,54,54,54	0
57	MG	1W	203	1/1	0.96	0.17	50,50,50,50	0
57	MG	1a	1724	1/1	0.96	0.09	56,56,56,56	0
57	MG	1W	207	1/1	0.96	0.13	33,33,33,33	0
57	MG	1X	101	1/1	0.96	0.38	33,33,33,33	0
57	MG	2A	3464	1/1	0.96	0.14	71,71,71,71	0
57	MG	1X	103	1/1	0.96	0.09	46,46,46,46	0
57	MG	1A	3434	1/1	0.96	0.13	38,38,38,38	0
57	MG	1A	3177	1/1	0.96	0.05	32,32,32,32	0
57	MG	1A	4058	1/1	0.96	0.05	60,60,60,60	0
57	MG	2A	3469	1/1	0.96	0.07	37,37,37,37	0
57	MG	1A	4061	1/1	0.96	0.08	49,49,49,49	0
57	MG	1A	3660	1/1	0.96	0.06	23,23,23,23	0
57	MG	2A	3075	1/1	0.96	0.07	45,45,45,45	0
57	MG	1A	3064	1/1	0.96	0.12	34,34,34,34	0
57	MG	2A	3079	1/1	0.96	0.16	54,54,54,54	0
57	MG	2a	1632	1/1	0.96	0.27	54,54,54,54	0
57	MG	1A	4065	1/1	0.96	0.07	62,62,62,62	0
57	MG	2A	3081	1/1	0.96	0.10	48,48,48,48	0
57	MG	1A	3143	1/1	0.96	0.10	51,51,51,51	0
57	MG	10	101	1/1	0.96	0.16	43,43,43,43	0
57	MG	1A	3438	1/1	0.96	0.09	45,45,45,45	0
57	MG	2A	3280	1/1	0.96	0.08	62,62,62,62	0
57	MG	1A	4068	1/1	0.96	0.15	58,58,58,58	0
57	MG	1A	3920	1/1	0.96	0.07	64,64,64,64	0
57	MG	1A	3665	1/1	0.96	0.06	35,35,35,35	0
57	MG	1A	3573	1/1	0.96	0.05	27,27,27,27	0
57	MG	1A	3574	1/1	0.96	0.10	60,60,60,60	0
57	MG	1A	4073	1/1	0.96	0.06	20,20,20,20	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3797	1/1	0.96	0.05	45,45,45,45	0
57	MG	2A	3728	1/1	0.96	0.08	37,37,37,37	0
57	MG	1A	3498	1/1	0.96	0.14	47,47,47,47	0
57	MG	1A	4076	1/1	0.96	0.06	52,52,52,52	0
57	MG	1A	3337	1/1	0.96	0.07	47,47,47,47	0
57	MG	1A	3677	1/1	0.96	0.15	46,46,46,46	0
57	MG	1A	3936	1/1	0.96	0.06	40,40,40,40	0
57	MG	1A	3804	1/1	0.96	0.05	25,25,25,25	0
57	MG	2A	3736	1/1	0.96	0.12	65,65,65,65	0
57	MG	2A	3737	1/1	0.96	0.07	66,66,66,66	0
57	MG	15	101	1/1	0.96	0.24	35,35,35,35	0
57	MG	15	104	1/1	0.96	0.07	39,39,39,39	0
57	MG	1A	3805	1/1	0.96	0.27	32,32,32,32	0
57	MG	2A	3104	1/1	0.96	0.24	54,54,54,54	0
57	MG	1A	3294	1/1	0.96	0.17	35,35,35,35	0
57	MG	16	101	1/1	0.96	0.09	57,57,57,57	0
57	MG	2a	1661	1/1	0.96	0.10	67,67,67,67	0
57	MG	2A	3501	1/1	0.96	0.35	69,69,69,69	0
57	MG	2a	1663	1/1	0.96	0.10	65,65,65,65	0
57	MG	2A	3747	1/1	0.96	0.06	66,66,66,66	0
57	MG	1A	3254	1/1	0.96	0.11	59,59,59,59	0
57	MG	17	101	1/1	0.96	0.05	34,34,34,34	0
57	MG	17	103	1/1	0.96	0.14	37,37,37,37	0
57	MG	1A	3442	1/1	0.96	0.12	46,46,46,46	0
57	MG	2A	3753	1/1	0.96	0.13	61,61,61,61	0
57	MG	1A	3580	1/1	0.96	0.06	37,37,37,37	0
57	MG	2A	3755	1/1	0.96	0.06	54,54,54,54	0
57	MG	2A	3509	1/1	0.96	0.08	53,53,53,53	0
57	MG	1A	3503	1/1	0.96	0.18	52,52,52,52	0
57	MG	18	103	1/1	0.96	0.10	40,40,40,40	0
57	MG	18	104	1/1	0.96	0.12	47,47,47,47	0
57	MG	1A	3951	1/1	0.96	0.06	63,63,63,63	0
57	MG	1A	4095	1/1	0.96	0.05	44,44,44,44	0
57	MG	1A	3687	1/1	0.96	0.08	39,39,39,39	0
57	MG	1A	3505	1/1	0.96	0.17	31,31,31,31	0
57	MG	2A	3517	1/1	0.96	0.07	69,69,69,69	0
57	MG	1A	3032	1/1	0.96	0.19	25,25,25,25	0
57	MG	2A	3520	1/1	0.96	0.13	62,62,62,62	0
57	MG	2A	3768	1/1	0.96	0.06	43,43,43,43	0
57	MG	1A	3055	1/1	0.96	0.13	41,41,41,41	0
57	MG	1B	204	1/1	0.96	0.23	62,62,62,62	0
57	MG	1A	3693	1/1	0.96	0.11	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3524	1/1	0.96	0.07	45,45,45,45	0
57	MG	2A	3773	1/1	0.96	0.07	65,65,65,65	0
57	MG	1A	3389	1/1	0.96	0.19	28,28,28,28	0
57	MG	2A	3125	1/1	0.96	0.19	71,71,71,71	0
57	MG	2A	3776	1/1	0.96	0.06	52,52,52,52	0
57	MG	2A	3126	1/1	0.96	0.06	49,49,49,49	0
57	MG	2a	1696	1/1	0.96	0.09	56,56,56,56	0
57	MG	1A	3149	1/1	0.96	0.19	31,31,31,31	0
57	MG	2A	3128	1/1	0.96	0.05	61,61,61,61	0
57	MG	2A	3322	1/1	0.96	0.12	57,57,57,57	0
57	MG	1A	3104	1/1	0.96	0.10	30,30,30,30	0
57	MG	1A	3126	1/1	0.96	0.20	38,38,38,38	0
57	MG	1A	3826	1/1	0.96	0.09	50,50,50,50	0
57	MG	1A	3345	1/1	0.96	0.07	66,66,66,66	0
57	MG	1A	3513	1/1	0.96	0.08	44,44,44,44	0
57	MG	1A	3346	1/1	0.96	0.15	36,36,36,36	0
57	MG	2A	3791	1/1	0.96	0.06	53,53,53,53	0
57	MG	1A	3152	1/1	0.96	0.16	44,44,44,44	0
57	MG	1A	3398	1/1	0.96	0.12	25,25,25,25	0
57	MG	1A	3518	1/1	0.96	0.17	49,49,49,49	0
57	MG	1A	3453	1/1	0.96	0.15	45,45,45,45	0
57	MG	2A	3140	1/1	0.96	0.13	41,41,41,41	0
57	MG	1a	1620	1/1	0.96	0.05	48,48,48,48	0
57	MG	2A	3799	1/1	0.96	0.07	79,79,79,79	0
57	MG	1A	3454	1/1	0.96	0.10	36,36,36,36	0
57	MG	1A	3455	1/1	0.96	0.12	46,46,46,46	0
57	MG	1A	3600	1/1	0.96	0.06	27,27,27,27	0
57	MG	1A	3106	1/1	0.96	0.08	38,38,38,38	0
57	MG	2A	3147	1/1	0.96	0.07	46,46,46,46	0
57	MG	2A	3550	1/1	0.96	0.06	56,56,56,56	0
57	MG	1A	3304	1/1	0.96	0.29	53,53,53,53	0
57	MG	1A	3128	1/1	0.96	0.24	40,40,40,40	0
57	MG	1A	3058	1/1	0.96	0.05	42,42,42,42	0
57	MG	1A	3109	1/1	0.96	0.16	38,38,38,38	0
57	MG	1A	3461	1/1	0.96	0.11	42,42,42,42	0
57	MG	1A	3034	1/1	0.96	0.20	34,34,34,34	0
57	MG	2A	3154	1/1	0.96	0.11	56,56,56,56	0
57	MG	1A	3165	1/1	0.96	0.06	33,33,33,33	0
57	MG	1A	3849	1/1	0.96	0.07	24,24,24,24	0
57	MG	1a	1634	1/1	0.96	0.10	63,63,63,63	0
57	MG	1A	3234	1/1	0.96	0.08	47,47,47,47	0
57	MG	1A	3612	1/1	0.96	0.05	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3567	1/1	0.96	0.07	38,38,38,38	0
57	MG	1D	301	1/1	0.96	0.18	37,37,37,37	0
57	MG	1D	302	1/1	0.96	0.19	37,37,37,37	0
57	MG	2A	3832	1/1	0.96	0.05	55,55,55,55	0
57	MG	2A	3571	1/1	0.96	0.07	45,45,45,45	0
57	MG	2A	3835	1/1	0.96	0.06	56,56,56,56	0
57	MG	1A	3725	1/1	0.96	0.05	53,53,53,53	0
57	MG	1A	3613	1/1	0.96	0.05	34,34,34,34	0
57	MG	1A	3854	1/1	0.96	0.10	22,22,22,22	0
57	MG	1A	3408	1/1	0.96	0.20	32,32,32,32	0
57	MG	2a	1742	1/1	0.96	0.27	65,65,65,65	0
57	MG	1A	3268	1/1	0.96	0.10	42,42,42,42	0
57	MG	1A	3411	1/1	0.96	0.10	37,37,37,37	0
57	MG	2A	3169	1/1	0.96	0.08	63,63,63,63	0
57	MG	1A	3991	1/1	0.96	0.07	26,26,26,26	0
57	MG	2A	3849	1/1	0.96	0.06	40,40,40,40	0
57	MG	2A	3365	1/1	0.96	0.07	47,47,47,47	0
57	MG	1E	304	1/1	0.96	0.09	33,33,33,33	0
57	MG	1A	3009	1/1	0.96	0.05	27,27,27,27	0
57	MG	1A	3203	1/1	0.96	0.15	35,35,35,35	0
57	MG	2a	1752	1/1	0.96	0.09	70,70,70,70	0
57	MG	2a	1753	1/1	0.96	0.09	68,68,68,68	0
57	MG	2A	3587	1/1	0.96	0.16	61,61,61,61	0
57	MG	1A	3622	1/1	0.96	0.11	60,60,60,60	0
57	MG	1E	309	1/1	0.96	0.10	33,33,33,33	0
57	MG	2A	3177	1/1	0.96	0.15	61,61,61,61	0
57	MG	2a	1758	1/1	0.96	0.15	61,61,61,61	0
57	MG	1A	3316	1/1	0.96	0.12	55,55,55,55	0
57	MG	1a	1652	1/1	0.96	0.08	54,54,54,54	0
57	MG	1A	3168	1/1	0.96	0.08	40,40,40,40	0
57	MG	2A	3181	1/1	0.96	0.08	46,46,46,46	0
57	MG	1A	3627	1/1	0.96	0.06	37,37,37,37	0
57	MG	1A	3741	1/1	0.96	0.07	37,37,37,37	0
57	MG	1F	305	1/1	0.96	0.19	33,33,33,33	0
57	MG	1F	306	1/1	0.96	0.07	36,36,36,36	0
57	MG	1A	3114	1/1	0.96	0.09	36,36,36,36	0
57	MG	1A	3629	1/1	0.96	0.06	32,32,32,32	0
57	MG	1A	4002	1/1	0.96	0.06	55,55,55,55	0
57	MG	1F	311	1/1	0.96	0.06	48,48,48,48	0
57	MG	1A	3744	1/1	0.96	0.07	56,56,56,56	0
57	MG	1A	3473	1/1	0.96	0.12	33,33,33,33	0
57	MG	1A	3871	1/1	0.96	0.21	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	315	1/1	0.96	0.19	54,54,54,54	0
57	MG	1A	3273	1/1	0.96	0.19	41,41,41,41	0
57	MG	1G	202	1/1	0.96	0.16	58,58,58,58	0
57	MG	1A	3028	1/1	0.96	0.19	29,29,29,29	0
57	MG	1A	3634	1/1	0.96	0.07	41,41,41,41	0
57	MG	1A	3875	1/1	0.96	0.07	32,32,32,32	0
57	MG	2A	3394	1/1	0.96	0.11	61,61,61,61	0
57	MG	1A	4012	1/1	0.96	0.06	53,53,53,53	0
57	MG	1A	3753	1/1	0.96	0.15	59,59,59,59	0
57	MG	1N	204	1/1	0.96	0.21	51,51,51,51	0
57	MG	1N	205	1/1	0.96	0.14	38,38,38,38	0
57	MG	1O	201	1/1	0.96	0.15	53,53,53,53	0
57	MG	2A	3206	1/1	0.96	0.07	58,58,58,58	0
57	MG	1A	3243	1/1	0.96	0.13	26,26,26,26	0
57	MG	2a	1794	1/1	0.96	0.14	66,66,66,66	0
57	MG	1O	203	1/1	0.96	0.20	66,66,66,66	0
57	MG	1A	3755	1/1	0.96	0.11	44,44,44,44	0
57	MG	2A	3631	1/1	0.96	0.15	46,46,46,46	0
57	MG	1A	3276	1/1	0.96	0.12	39,39,39,39	0
57	MG	2A	3211	1/1	0.96	0.15	72,72,72,72	0
57	MG	1P	202	1/1	0.96	0.25	36,36,36,36	0
57	MG	2A	3635	1/1	0.96	0.14	56,56,56,56	0
57	MG	2A	3636	1/1	0.96	0.09	40,40,40,40	0
57	MG	1A	3137	1/1	0.96	0.13	28,28,28,28	0
57	MG	2A	3639	1/1	0.96	0.05	46,46,46,46	0
57	MG	2A	3640	1/1	0.96	0.13	41,41,41,41	0
57	MG	1A	3324	1/1	0.96	0.13	30,30,30,30	0
57	MG	1A	3280	1/1	0.96	0.17	37,37,37,37	0
57	MG	1Q	202	1/1	0.96	0.07	36,36,36,36	0
57	MG	1A	3641	1/1	0.96	0.10	25,25,25,25	0
57	MG	1a	1689	1/1	0.96	0.16	66,66,66,66	0
57	MG	2A	3219	1/1	0.96	0.30	63,63,63,63	0
57	MG	2A	3024	1/1	0.96	0.08	53,53,53,53	0
57	MG	1A	3372	1/1	0.96	0.08	43,43,43,43	0
57	MG	2A	3026	1/1	0.96	0.21	54,54,54,54	0
57	MG	1A	3281	1/1	0.96	0.27	42,42,42,42	0
57	MG	1A	3284	1/1	0.96	0.25	34,34,34,34	0
57	MG	1A	4029	1/1	0.96	0.06	69,69,69,69	0
57	MG	1R	204	1/1	0.96	0.36	35,35,35,35	0
57	MG	1A	3118	1/1	0.96	0.22	28,28,28,28	0
57	MG	1a	1696	1/1	0.96	0.23	69,69,69,69	0
57	MG	2V	203	1/1	0.96	0.18	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3423	1/1	0.96	0.19	58,58,58,58	0
57	MG	1A	4031	1/1	0.96	0.06	50,50,50,50	0
57	MG	2A	3658	1/1	0.96	0.15	44,44,44,44	0
57	MG	1a	1698	1/1	0.96	0.14	48,48,48,48	0
57	MG	1A	3767	1/1	0.96	0.06	30,30,30,30	0
57	MG	2A	3233	1/1	0.96	0.14	42,42,42,42	0
57	MG	2f	201	1/1	0.96	0.13	51,51,51,51	0
57	MG	2A	3038	1/1	0.96	0.14	61,61,61,61	0
57	MG	1A	3429	1/1	0.96	0.09	48,48,48,48	0
57	MG	1A	4034	1/1	0.96	0.08	45,45,45,45	0
57	MG	2A	3431	1/1	0.96	0.17	47,47,47,47	0
57	MG	1a	1702	1/1	0.96	0.32	62,62,62,62	0
57	MG	2A	3239	1/1	0.96	0.23	44,44,44,44	0
57	MG	1A	3486	1/1	0.96	0.09	43,43,43,43	0
57	MG	1A	3487	1/1	0.96	0.08	50,50,50,50	0
57	MG	2A	3044	1/1	0.96	0.08	62,62,62,62	0
57	MG	1A	3771	1/1	0.96	0.07	28,28,28,28	0
57	MG	1A	3773	1/1	0.96	0.07	68,68,68,68	0
57	MG	1A	3287	1/1	0.96	0.14	37,37,37,37	0
57	MG	1U	204	1/1	0.96	0.08	38,38,38,38	0
57	MG	2A	3050	1/1	0.96	0.09	61,61,61,61	0
57	MG	2A	3678	1/1	0.96	0.10	39,39,39,39	0
57	MG	1A	4041	1/1	0.96	0.08	59,59,59,59	0
57	MG	2A	3680	1/1	0.96	0.07	67,67,67,67	0
57	MG	1A	3776	1/1	0.96	0.05	26,26,26,26	0
57	MG	1U	207	1/1	0.96	0.26	37,37,37,37	0
57	MG	1A	3212	1/1	0.96	0.27	54,54,54,54	0
57	MG	1A	3559	1/1	0.96	0.17	30,30,30,30	0
57	MG	1A	3904	1/1	0.96	0.13	53,53,53,53	0
57	MG	2A	3449	1/1	0.96	0.22	48,48,48,48	0
57	MG	1A	3174	1/1	0.96	0.07	35,35,35,35	0
57	MG	1A	3656	1/1	0.96	0.09	37,37,37,37	0
57	MG	1V	203	1/1	0.96	0.12	37,37,37,37	0
59	CLM	2A	3863	20/20	0.96	0.09	42,47,57,60	0
60	ZN	14	501	1/1	0.96	0.10	106,106,106,106	0
60	ZN	24	501	1/1	0.96	0.11	117,117,117,117	0
57	MG	2A	3455	1/1	0.96	0.07	52,52,52,52	0
57	MG	2A	3859	1/1	0.97	0.10	53,53,53,53	0
57	MG	1A	3206	1/1	0.97	0.08	37,37,37,37	0
57	MG	2A	3248	1/1	0.97	0.08	71,71,71,71	0
57	MG	2A	3116	1/1	0.97	0.08	37,37,37,37	0
57	MG	1A	3718	1/1	0.97	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	3147	1/1	0.97	0.07	42,42,42,42	0
57	MG	1A	3242	1/1	0.97	0.14	36,36,36,36	0
57	MG	1N	203	1/1	0.97	0.06	44,44,44,44	0
57	MG	1A	3424	1/1	0.97	0.13	40,40,40,40	0
57	MG	1A	3650	1/1	0.97	0.06	36,36,36,36	0
57	MG	1A	3974	1/1	0.97	0.04	51,51,51,51	0
57	MG	2A	3532	1/1	0.97	0.11	44,44,44,44	0
57	MG	1A	3651	1/1	0.97	0.06	64,64,64,64	0
57	MG	1A	3110	1/1	0.97	0.20	31,31,31,31	0
57	MG	1A	3062	1/1	0.97	0.28	61,61,61,61	0
57	MG	1A	3727	1/1	0.97	0.07	54,54,54,54	0
57	MG	1A	3112	1/1	0.97	0.09	34,34,34,34	0
57	MG	1P	203	1/1	0.97	0.18	29,29,29,29	0
57	MG	2A	3697	1/1	0.97	0.14	40,40,40,40	0
57	MG	1A	3980	1/1	0.97	0.07	51,51,51,51	0
57	MG	1a	1726	1/1	0.97	0.12	47,47,47,47	0
57	MG	1A	3808	1/1	0.97	0.05	35,35,35,35	0
57	MG	1A	3178	1/1	0.97	0.10	29,29,29,29	0
57	MG	1A	3352	1/1	0.97	0.24	39,39,39,39	0
57	MG	1Q	203	1/1	0.97	0.05	47,47,47,47	0
57	MG	2A	3545	1/1	0.97	0.06	58,58,58,58	0
57	MG	2D	304	1/1	0.97	0.37	42,42,42,42	0
57	MG	1A	4083	1/1	0.97	0.07	45,45,45,45	0
57	MG	1A	4085	1/1	0.97	0.07	48,48,48,48	0
57	MG	1A	3354	1/1	0.97	0.12	35,35,35,35	0
57	MG	1A	3890	1/1	0.97	0.06	22,22,22,22	0
57	MG	1A	3030	1/1	0.97	0.16	30,30,30,30	0
57	MG	2E	305	1/1	0.97	0.10	39,39,39,39	0
57	MG	1A	3602	1/1	0.97	0.07	54,54,54,54	0
57	MG	2A	3552	1/1	0.97	0.09	50,50,50,50	0
57	MG	2A	3553	1/1	0.97	0.07	35,35,35,35	0
57	MG	2A	3012	1/1	0.97	0.08	47,47,47,47	0
57	MG	1A	3736	1/1	0.97	0.06	44,44,44,44	0
57	MG	2A	3145	1/1	0.97	0.08	38,38,38,38	0
57	MG	2F	304	1/1	0.97	0.09	63,63,63,63	0
57	MG	1A	3815	1/1	0.97	0.28	33,33,33,33	0
57	MG	2A	3015	1/1	0.97	0.07	39,39,39,39	0
57	MG	1A	3816	1/1	0.97	0.06	37,37,37,37	0
57	MG	2A	3017	1/1	0.97	0.21	60,60,60,60	0
57	MG	1a	1633	1/1	0.97	0.06	31,31,31,31	0
57	MG	1A	3282	1/1	0.97	0.07	31,31,31,31	0
57	MG	1a	1745	1/1	0.97	0.09	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	2P	202	1/1	0.97	0.10	66,66,66,66	0
57	MG	2Q	201	1/1	0.97	0.05	49,49,49,49	0
57	MG	1S	202	1/1	0.97	0.09	44,44,44,44	0
57	MG	1A	3992	1/1	0.97	0.06	32,32,32,32	0
57	MG	2A	3568	1/1	0.97	0.10	51,51,51,51	0
57	MG	1A	3604	1/1	0.97	0.07	42,42,42,42	0
57	MG	2A	3731	1/1	0.97	0.07	38,38,38,38	0
57	MG	1A	3393	1/1	0.97	0.08	55,55,55,55	0
57	MG	1A	3820	1/1	0.97	0.08	27,27,27,27	0
57	MG	1A	3056	1/1	0.97	0.20	46,46,46,46	0
57	MG	1A	3901	1/1	0.97	0.06	35,35,35,35	0
57	MG	2A	3574	1/1	0.97	0.06	47,47,47,47	0
57	MG	1A	3031	1/1	0.97	0.17	33,33,33,33	0
57	MG	1A	3666	1/1	0.97	0.06	24,24,24,24	0
57	MG	2A	3739	1/1	0.97	0.11	55,55,55,55	0
57	MG	2A	3577	1/1	0.97	0.07	37,37,37,37	0
57	MG	1A	3667	1/1	0.97	0.05	34,34,34,34	0
57	MG	1A	3286	1/1	0.97	0.17	46,46,46,46	0
57	MG	1A	3155	1/1	0.97	0.18	45,45,45,45	0
57	MG	2A	3036	1/1	0.97	0.08	31,31,31,31	0
57	MG	1A	3516	1/1	0.97	0.16	27,27,27,27	0
57	MG	2A	3746	1/1	0.97	0.14	39,39,39,39	0
57	MG	1A	3185	1/1	0.97	0.09	69,69,69,69	0
57	MG	1A	3752	1/1	0.97	0.05	38,38,38,38	0
57	MG	1a	1766	1/1	0.97	0.13	43,43,43,43	0
57	MG	2A	3437	1/1	0.97	0.24	60,60,60,60	0
57	MG	1A	3675	1/1	0.97	0.05	32,32,32,32	0
57	MG	1A	3561	1/1	0.97	0.09	51,51,51,51	0
57	MG	1A	3253	1/1	0.97	0.07	51,51,51,51	0
57	MG	1a	1653	1/1	0.97	0.10	49,49,49,49	0
57	MG	2a	1765	1/1	0.97	0.11	46,46,46,46	0
57	MG	1a	1654	1/1	0.97	0.07	56,56,56,56	0
57	MG	1A	3565	1/1	0.97	0.23	36,36,36,36	0
57	MG	1A	3067	1/1	0.97	0.05	31,31,31,31	0
57	MG	1A	3681	1/1	0.97	0.04	24,24,24,24	0
57	MG	1A	3838	1/1	0.97	0.04	39,39,39,39	0
57	MG	2a	1771	1/1	0.97	0.07	77,77,77,77	0
57	MG	1W	205	1/1	0.97	0.11	41,41,41,41	0
57	MG	1W	206	1/1	0.97	0.17	41,41,41,41	0
57	MG	1A	4015	1/1	0.97	0.05	33,33,33,33	0
57	MG	1A	3921	1/1	0.97	0.14	41,41,41,41	0
57	MG	2A	3452	1/1	0.97	0.10	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3185	1/1	0.97	0.05	56,56,56,56	0
57	MG	2A	3186	1/1	0.97	0.06	63,63,63,63	0
57	MG	1A	4019	1/1	0.97	0.04	36,36,36,36	0
57	MG	1X	104	1/1	0.97	0.10	32,32,32,32	0
57	MG	2A	3611	1/1	0.97	0.10	46,46,46,46	0
57	MG	1A	3922	1/1	0.97	0.06	30,30,30,30	0
57	MG	1A	4021	1/1	0.97	0.07	35,35,35,35	0
57	MG	2A	3059	1/1	0.97	0.06	43,43,43,43	0
57	MG	1A	3119	1/1	0.97	0.06	39,39,39,39	0
57	MG	1A	3840	1/1	0.97	0.04	39,39,39,39	0
57	MG	1a	1791	1/1	0.97	0.10	71,71,71,71	0
57	MG	1A	3521	1/1	0.97	0.15	35,35,35,35	0
57	MG	1A	3620	1/1	0.97	0.09	33,33,33,33	0
57	MG	1A	3188	1/1	0.97	0.09	44,44,44,44	0
57	MG	2A	3329	1/1	0.97	0.20	56,56,56,56	0
57	MG	2A	3330	1/1	0.97	0.09	58,58,58,58	0
57	MG	1A	3159	1/1	0.97	0.10	33,33,33,33	0
57	MG	1A	3524	1/1	0.97	0.21	33,33,33,33	0
57	MG	1A	3223	1/1	0.97	0.09	50,50,50,50	0
57	MG	1A	3937	1/1	0.97	0.04	30,30,30,30	0
57	MG	1A	3848	1/1	0.97	0.13	45,45,45,45	0
57	MG	1A	3940	1/1	0.97	0.04	46,46,46,46	0
57	MG	1A	3526	1/1	0.97	0.16	30,30,30,30	0
57	MG	1A	3103	1/1	0.97	0.08	37,37,37,37	0
57	MG	1A	3696	1/1	0.97	0.09	38,38,38,38	0
57	MG	1D	312	1/1	0.97	0.04	38,38,38,38	0
57	MG	2A	3076	1/1	0.97	0.06	26,26,26,26	0
57	MG	1A	3407	1/1	0.97	0.04	37,37,37,37	0
57	MG	2A	3638	1/1	0.97	0.14	46,46,46,46	0
57	MG	2A	3078	1/1	0.97	0.07	59,59,59,59	0
57	MG	1a	1807	1/1	0.97	0.05	64,64,64,64	0
57	MG	1A	3630	1/1	0.97	0.04	22,22,22,22	0
57	MG	2A	3804	1/1	0.97	0.12	48,48,48,48	0
57	MG	1a	1810	1/1	0.97	0.04	47,47,47,47	0
57	MG	1a	1684	1/1	0.97	0.18	55,55,55,55	0
57	MG	2A	3348	1/1	0.97	0.07	68,68,68,68	0
57	MG	1A	3036	1/1	0.97	0.06	39,39,39,39	0
57	MG	1a	1816	1/1	0.97	0.07	59,59,59,59	0
57	MG	1A	3855	1/1	0.97	0.08	32,32,32,32	0
57	MG	13	103	1/1	0.97	0.10	42,42,42,42	0
57	MG	1a	1819	1/1	0.97	0.05	59,59,59,59	0
57	MG	2A	3815	1/1	0.97	0.06	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3856	1/1	0.97	0.06	52,52,52,52	0
57	MG	1A	4044	1/1	0.97	0.05	57,57,57,57	0
57	MG	1A	3053	1/1	0.97	0.07	53,53,53,53	0
57	MG	2a	1824	1/1	0.97	0.08	71,71,71,71	0
57	MG	2A	3819	1/1	0.97	0.06	58,58,58,58	0
57	MG	15	102	1/1	0.97	0.14	38,38,38,38	0
57	MG	2A	3224	1/1	0.97	0.17	42,42,42,42	0
57	MG	2A	3824	1/1	0.97	0.04	52,52,52,52	0
57	MG	15	103	1/1	0.97	0.21	26,26,26,26	0
57	MG	2A	3827	1/1	0.97	0.05	61,61,61,61	0
57	MG	1A	3166	1/1	0.97	0.17	38,38,38,38	0
57	MG	1A	3196	1/1	0.97	0.17	38,38,38,38	0
57	MG	2A	3830	1/1	0.97	0.06	47,47,47,47	0
57	MG	1A	3780	1/1	0.97	0.07	27,27,27,27	0
57	MG	1A	3635	1/1	0.97	0.07	32,32,32,32	0
57	MG	1A	3782	1/1	0.97	0.07	43,43,43,43	0
57	MG	2A	3503	1/1	0.97	0.10	57,57,57,57	0
57	MG	2A	3100	1/1	0.97	0.08	30,30,30,30	0
57	MG	1A	3107	1/1	0.97	0.06	30,30,30,30	0
57	MG	2a	1665	1/1	0.97	0.14	56,56,56,56	0
57	MG	1A	3084	1/1	0.97	0.20	30,30,30,30	0
57	MG	2A	3839	1/1	0.97	0.05	70,70,70,70	0
57	MG	1A	3023	1/1	0.97	0.07	16,16,16,16	0
57	MG	2a	1670	1/1	0.97	0.06	61,61,61,61	0
57	MG	1A	3584	1/1	0.97	0.13	40,40,40,40	0
57	MG	2A	3844	1/1	0.97	0.09	41,41,41,41	0
57	MG	2A	3667	1/1	0.97	0.06	33,33,33,33	0
57	MG	2A	3846	1/1	0.97	0.14	60,60,60,60	0
57	MG	2x	101	1/1	0.97	0.11	60,60,60,60	0
57	MG	1A	3170	1/1	0.97	0.05	28,28,28,28	0
57	MG	2A	3237	1/1	0.97	0.08	67,67,67,67	0
57	MG	1m	3001	1/1	0.97	0.09	67,67,67,67	0
57	MG	1A	3145	1/1	0.97	0.23	28,28,28,28	0
57	MG	1A	3146	1/1	0.97	0.06	31,31,31,31	0
57	MG	1a	1705	1/1	0.97	0.29	55,55,55,55	0
57	MG	1A	4059	1/1	0.97	0.06	43,43,43,43	0
57	MG	1A	4060	1/1	0.97	0.05	45,45,45,45	0
57	MG	1A	3205	1/1	0.97	0.12	19,19,19,19	0
60	ZN	2Y	202	1/1	0.97	0.06	89,89,89,89	0
57	MG	1A	3238	1/1	0.97	0.15	32,32,32,32	0
57	MG	1A	4063	1/1	0.97	0.06	29,29,29,29	0
57	MG	1A	3162	1/1	0.98	0.23	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	2A	3158	1/1	0.98	0.15	43,43,43,43	0
57	MG	1A	3013	1/1	0.98	0.09	28,28,28,28	0
57	MG	2D	303	1/1	0.98	0.04	30,30,30,30	0
57	MG	1A	3913	1/1	0.98	0.03	29,29,29,29	0
57	MG	1A	3690	1/1	0.98	0.04	26,26,26,26	0
57	MG	1a	1756	1/1	0.98	0.10	50,50,50,50	0
57	MG	1B	205	1/1	0.98	0.05	40,40,40,40	0
57	MG	1A	3141	1/1	0.98	0.04	29,29,29,29	0
57	MG	2A	3033	1/1	0.98	0.04	41,41,41,41	0
57	MG	1A	3692	1/1	0.98	0.07	27,27,27,27	0
57	MG	1A	3410	1/1	0.98	0.06	42,42,42,42	0
57	MG	2A	3578	1/1	0.98	0.07	45,45,45,45	0
57	MG	1A	3142	1/1	0.98	0.05	20,20,20,20	0
57	MG	1A	3191	1/1	0.98	0.17	32,32,32,32	0
57	MG	1A	3005	1/1	0.98	0.07	44,44,44,44	0
57	MG	1A	4011	1/1	0.98	0.04	71,71,71,71	0
57	MG	1A	3066	1/1	0.98	0.11	32,32,32,32	0
57	MG	1A	3497	1/1	0.98	0.11	45,45,45,45	0
57	MG	2A	3174	1/1	0.98	0.16	37,37,37,37	0
57	MG	1A	3923	1/1	0.98	0.05	63,63,63,63	0
57	MG	1A	3842	1/1	0.98	0.05	52,52,52,52	0
57	MG	2A	3588	1/1	0.98	0.08	58,58,58,58	0
57	MG	2A	3589	1/1	0.98	0.06	42,42,42,42	0
57	MG	1a	1772	1/1	0.98	0.05	60,60,60,60	0
57	MG	1a	1773	1/1	0.98	0.05	49,49,49,49	0
57	MG	2A	3046	1/1	0.98	0.12	50,50,50,50	0
57	MG	1a	1774	1/1	0.98	0.05	54,54,54,54	0
57	MG	1A	3194	1/1	0.98	0.11	33,33,33,33	0
57	MG	2A	3596	1/1	0.98	0.06	40,40,40,40	0
57	MG	1B	219	1/1	0.98	0.07	34,34,34,34	0
57	MG	1A	4017	1/1	0.98	0.06	28,28,28,28	0
57	MG	2A	3750	1/1	0.98	0.05	57,57,57,57	0
57	MG	2A	3599	1/1	0.98	0.11	54,54,54,54	0
57	MG	1A	3044	1/1	0.98	0.05	34,34,34,34	0
57	MG	1A	3375	1/1	0.98	0.19	41,41,41,41	0
57	MG	1A	3038	1/1	0.98	0.18	32,32,32,32	0
57	MG	1A	3929	1/1	0.98	0.04	41,41,41,41	0
57	MG	1W	201	1/1	0.98	0.05	45,45,45,45	0
57	MG	1A	3772	1/1	0.98	0.07	39,39,39,39	0
57	MG	1A	3932	1/1	0.98	0.03	19,19,19,19	0
57	MG	1W	204	1/1	0.98	0.23	40,40,40,40	0
57	MG	1A	3115	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	1A	3774	1/1	0.98	0.05	47,47,47,47	0
57	MG	2A	3762	1/1	0.98	0.04	63,63,63,63	0
57	MG	1A	3072	1/1	0.98	0.03	12,12,12,12	0
57	MG	1A	3504	1/1	0.98	0.10	37,37,37,37	0
57	MG	1X	102	1/1	0.98	0.14	38,38,38,38	0
57	MG	1A	3117	1/1	0.98	0.10	41,41,41,41	0
57	MG	1A	3941	1/1	0.98	0.08	54,54,54,54	0
57	MG	1A	3942	1/1	0.98	0.04	43,43,43,43	0
57	MG	23	104	1/1	0.98	0.04	60,60,60,60	0
57	MG	1A	3778	1/1	0.98	0.06	50,50,50,50	0
57	MG	25	102	1/1	0.98	0.26	43,43,43,43	0
57	MG	1B	236	1/1	0.98	0.06	30,30,30,30	0
57	MG	1A	3300	1/1	0.98	0.07	34,34,34,34	0
57	MG	1A	3648	1/1	0.98	0.07	38,38,38,38	0
57	MG	1D	303	1/1	0.98	0.07	39,39,39,39	0
57	MG	1D	304	1/1	0.98	0.08	20,20,20,20	0
57	MG	1A	3231	1/1	0.98	0.17	32,32,32,32	0
57	MG	1D	306	1/1	0.98	0.21	31,31,31,31	0
57	MG	10	102	1/1	0.98	0.15	46,46,46,46	0
57	MG	2A	3625	1/1	0.98	0.11	43,43,43,43	0
57	MG	2A	3779	1/1	0.98	0.05	62,62,62,62	0
57	MG	2a	1763	1/1	0.98	0.04	74,74,74,74	0
57	MG	2A	3780	1/1	0.98	0.04	75,75,75,75	0
57	MG	1D	307	1/1	0.98	0.23	42,42,42,42	0
57	MG	2A	3628	1/1	0.98	0.06	50,50,50,50	0
57	MG	1A	3105	1/1	0.98	0.05	50,50,50,50	0
57	MG	1A	3949	1/1	0.98	0.05	57,57,57,57	0
57	MG	1a	1808	1/1	0.98	0.06	56,56,56,56	0
57	MG	1A	3713	1/1	0.98	0.03	15,15,15,15	0
57	MG	1A	3714	1/1	0.98	0.08	63,63,63,63	0
57	MG	2A	3082	1/1	0.98	0.07	49,49,49,49	0
57	MG	2a	1774	1/1	0.98	0.15	63,63,63,63	0
57	MG	1A	3201	1/1	0.98	0.17	26,26,26,26	0
57	MG	2A	3792	1/1	0.98	0.09	72,72,72,72	0
57	MG	1a	1812	1/1	0.98	0.03	47,47,47,47	0
57	MG	1A	3202	1/1	0.98	0.04	45,45,45,45	0
57	MG	1A	3787	1/1	0.98	0.08	24,24,24,24	0
57	MG	11	102	1/1	0.98	0.04	36,36,36,36	0
57	MG	1E	302	1/1	0.98	0.13	34,34,34,34	0
57	MG	1A	4046	1/1	0.98	0.04	52,52,52,52	0
57	MG	1E	305	1/1	0.98	0.13	36,36,36,36	0
57	MG	2A	3494	1/1	0.98	0.20	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	1821	1/1	0.98	0.05	60,60,60,60	0
57	MG	1A	3093	1/1	0.98	0.08	27,27,27,27	0
57	MG	13	102	1/1	0.98	0.03	30,30,30,30	0
57	MG	1A	3306	1/1	0.98	0.10	39,39,39,39	0
57	MG	2A	3095	1/1	0.98	0.14	48,48,48,48	0
57	MG	1A	3134	1/1	0.98	0.07	43,43,43,43	0
57	MG	1A	3720	1/1	0.98	0.08	27,27,27,27	0
57	MG	1A	3135	1/1	0.98	0.04	36,36,36,36	0
57	MG	1A	3793	1/1	0.98	0.05	20,20,20,20	0
57	MG	1A	3154	1/1	0.98	0.14	34,34,34,34	0
57	MG	1F	301	1/1	0.98	0.13	38,38,38,38	0
57	MG	1F	302	1/1	0.98	0.05	27,27,27,27	0
57	MG	2A	3814	1/1	0.98	0.11	51,51,51,51	0
57	MG	1A	3179	1/1	0.98	0.07	22,22,22,22	0
57	MG	1F	304	1/1	0.98	0.05	35,35,35,35	0
57	MG	1A	3560	1/1	0.98	0.08	26,26,26,26	0
57	MG	1A	3311	1/1	0.98	0.06	31,31,31,31	0
57	MG	2A	3374	1/1	0.98	0.09	67,67,67,67	0
57	MG	17	102	1/1	0.98	0.10	33,33,33,33	0
57	MG	2A	3821	1/1	0.98	0.04	40,40,40,40	0
57	MG	1A	3562	1/1	0.98	0.14	25,25,25,25	0
57	MG	1A	3563	1/1	0.98	0.28	34,34,34,34	0
57	MG	1A	3801	1/1	0.98	0.03	19,19,19,19	0
57	MG	1A	3663	1/1	0.98	0.09	38,38,38,38	0
57	MG	18	102	1/1	0.98	0.09	44,44,44,44	0
57	MG	1A	3803	1/1	0.98	0.05	47,47,47,47	0
57	MG	1A	3729	1/1	0.98	0.04	28,28,28,28	0
57	MG	1A	3879	1/1	0.98	0.05	43,43,43,43	0
57	MG	1A	3730	1/1	0.98	0.05	25,25,25,25	0
57	MG	1A	3240	1/1	0.98	0.12	29,29,29,29	0
57	MG	1A	3180	1/1	0.98	0.04	33,33,33,33	0
57	MG	1A	3039	1/1	0.98	0.21	37,37,37,37	0
57	MG	1A	3033	1/1	0.98	0.24	30,30,30,30	0
57	MG	1A	3211	1/1	0.98	0.06	38,38,38,38	0
57	MG	1A	3887	1/1	0.98	0.03	45,45,45,45	0
57	MG	1A	3278	1/1	0.98	0.16	40,40,40,40	0
57	MG	2A	3841	1/1	0.98	0.06	24,24,24,24	0
57	MG	1A	3671	1/1	0.98	0.07	30,30,30,30	0
57	MG	1A	3619	1/1	0.98	0.09	32,32,32,32	0
57	MG	1A	3279	1/1	0.98	0.12	29,29,29,29	0
57	MG	1A	3012	1/1	0.98	0.05	32,32,32,32	0
57	MG	1A	3676	1/1	0.98	0.05	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3213	1/1	0.98	0.19	34,34,34,34	0
57	MG	1A	4078	1/1	0.98	0.07	15,15,15,15	0
57	MG	1A	3123	1/1	0.98	0.14	34,34,34,34	0
57	MG	1P	201	1/1	0.98	0.15	31,31,31,31	0
57	MG	1a	1617	1/1	0.98	0.07	41,41,41,41	0
57	MG	2a	1668	1/1	0.98	0.17	55,55,55,55	0
57	MG	1a	1731	1/1	0.98	0.09	55,55,55,55	0
57	MG	2A	3854	1/1	0.98	0.04	61,61,61,61	0
57	MG	1a	1732	1/1	0.98	0.08	49,49,49,49	0
57	MG	1A	3624	1/1	0.98	0.08	25,25,25,25	0
57	MG	2A	3137	1/1	0.98	0.13	43,43,43,43	0
57	MG	1A	3625	1/1	0.98	0.06	54,54,54,54	0
57	MG	1A	4084	1/1	0.98	0.07	40,40,40,40	0
57	MG	1A	3160	1/1	0.98	0.09	30,30,30,30	0
57	MG	2A	3009	1/1	0.98	0.12	49,49,49,49	0
57	MG	1A	3822	1/1	0.98	0.04	29,29,29,29	0
57	MG	1A	3249	1/1	0.98	0.31	35,35,35,35	0
57	MG	1A	3824	1/1	0.98	0.14	40,40,40,40	0
57	MG	1A	3749	1/1	0.98	0.04	41,41,41,41	0
57	MG	1A	3903	1/1	0.98	0.21	22,22,22,22	0
57	MG	2A	3554	1/1	0.98	0.11	39,39,39,39	0
57	MG	1Q	206	1/1	0.98	0.20	40,40,40,40	0
57	MG	1A	3750	1/1	0.98	0.04	49,49,49,49	0
57	MG	1A	3751	1/1	0.98	0.06	23,23,23,23	0
57	MG	1A	3161	1/1	0.98	0.12	30,30,30,30	0
57	MG	2A	3707	1/1	0.98	0.06	64,64,64,64	0
57	MG	2A	3284	1/1	0.98	0.10	49,49,49,49	0
57	MG	2A	3560	1/1	0.98	0.08	44,44,44,44	0
57	MG	1R	203	1/1	0.98	0.28	38,38,38,38	0
57	MG	1A	3685	1/1	0.98	0.05	30,30,30,30	0
57	MG	2A	3021	1/1	0.98	0.06	29,29,29,29	0
57	MG	1a	1749	1/1	0.98	0.12	37,37,37,37	0
60	ZN	1n	103	1/1	0.98	0.04	71,71,71,71	0
57	MG	2A	3714	1/1	0.98	0.09	47,47,47,47	0
57	MG	1a	1750	1/1	0.98	0.07	43,43,43,43	0
60	ZN	26	102	1/1	0.98	0.04	60,60,60,60	0
57	MG	1A	3325	1/1	0.98	0.05	52,52,52,52	0
61	SF4	1d	501	8/8	0.98	0.05	62,70,75,80	0
61	SF4	2d	303	8/8	0.98	0.05	71,81,85,99	0
57	MG	1A	4008	1/1	0.99	0.03	32,32,32,32	0
57	MG	1A	4091	1/1	0.99	0.06	46,46,46,46	0
57	MG	1A	3705	1/1	0.99	0.04	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3939	1/1	0.99	0.06	37,37,37,37	0
57	MG	1A	3760	1/1	0.99	0.03	37,37,37,37	0
57	MG	1A	3906	1/1	0.99	0.07	38,38,38,38	0
57	MG	1A	3615	1/1	0.99	0.07	31,31,31,31	0
57	MG	1A	3080	1/1	0.99	0.12	44,44,44,44	0
57	MG	1A	3070	1/1	0.99	0.06	20,20,20,20	0
57	MG	1a	1813	1/1	0.99	0.03	61,61,61,61	0
57	MG	1a	1814	1/1	0.99	0.03	69,69,69,69	0
57	MG	1A	3683	1/1	0.99	0.02	30,30,30,30	0
57	MG	1A	3071	1/1	0.99	0.18	30,30,30,30	0
57	MG	2A	3673	1/1	0.99	0.03	41,41,41,41	0
57	MG	1A	4018	1/1	0.99	0.03	32,32,32,32	0
57	MG	1X	107	1/1	0.99	0.04	29,29,29,29	0
57	MG	1A	3912	1/1	0.99	0.05	28,28,28,28	0
57	MG	1a	1762	1/1	0.99	0.03	46,46,46,46	0
57	MG	1a	1607	1/1	0.99	0.06	51,51,51,51	0
57	MG	1E	303	1/1	0.99	0.18	31,31,31,31	0
57	MG	2A	3811	1/1	0.99	0.03	50,50,50,50	0
57	MG	1A	3948	1/1	0.99	0.03	40,40,40,40	0
57	MG	2A	3022	1/1	0.99	0.10	43,43,43,43	0
57	MG	1A	3283	1/1	0.99	0.15	31,31,31,31	0
57	MG	1a	1767	1/1	0.99	0.04	55,55,55,55	0
57	MG	1A	3686	1/1	0.99	0.07	26,26,26,26	0
57	MG	1A	3057	1/1	0.99	0.06	26,26,26,26	0
57	MG	1A	3353	1/1	0.99	0.09	36,36,36,36	0
57	MG	1A	3037	1/1	0.99	0.04	20,20,20,20	0
57	MG	1A	3799	1/1	0.99	0.03	46,46,46,46	0
57	MG	2A	3626	1/1	0.99	0.07	43,43,43,43	0
57	MG	1A	3176	1/1	0.99	0.10	31,31,31,31	0
57	MG	2A	3504	1/1	0.99	0.02	57,57,57,57	0
57	MG	1B	215	1/1	0.99	0.04	43,43,43,43	0
57	MG	2A	3826	1/1	0.99	0.07	46,46,46,46	0
57	MG	2a	1759	1/1	0.99	0.07	61,61,61,61	0
57	MG	1A	3021	1/1	0.99	0.12	27,27,27,27	0
57	MG	1A	3097	1/1	0.99	0.05	32,32,32,32	0
57	MG	1A	3098	1/1	0.99	0.12	20,20,20,20	0
57	MG	1A	3669	1/1	0.99	0.05	39,39,39,39	0
57	MG	1A	3015	1/1	0.99	0.05	36,36,36,36	0
57	MG	1A	3587	1/1	0.99	0.04	43,43,43,43	0
57	MG	1a	1781	1/1	0.99	0.05	46,46,46,46	0
57	MG	2A	3834	1/1	0.99	0.07	33,33,33,33	0
57	MG	1A	3396	1/1	0.99	0.29	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	3003	1/1	0.99	0.03	29,29,29,29	0
57	MG	1U	201	1/1	0.99	0.13	31,31,31,31	0
57	MG	1F	309	1/1	0.99	0.16	30,30,30,30	0
57	MG	1A	3077	1/1	0.99	0.06	31,31,31,31	0
57	MG	2a	1773	1/1	0.99	0.06	63,63,63,63	0
57	MG	1A	3014	1/1	0.99	0.09	28,28,28,28	0
57	MG	2A	3519	1/1	0.99	0.06	49,49,49,49	0
57	MG	1A	3701	1/1	0.99	0.03	17,17,17,17	0
57	MG	2A	3843	1/1	0.99	0.03	58,58,58,58	0
57	MG	1B	227	1/1	0.99	0.04	39,39,39,39	0
57	MG	1A	4079	1/1	0.99	0.06	50,50,50,50	0
57	MG	1A	4080	1/1	0.99	0.08	31,31,31,31	0
57	MG	1A	4039	1/1	0.99	0.03	46,46,46,46	0
57	MG	1A	3931	1/1	0.99	0.02	45,45,45,45	0
57	MG	1A	3229	1/1	0.99	0.10	31,31,31,31	0
57	MG	1A	4042	1/1	0.99	0.05	43,43,43,43	0
57	MG	2A	3715	1/1	0.99	0.04	32,32,32,32	0
57	MG	2A	3782	1/1	0.99	0.04	55,55,55,55	0
60	ZN	1Y	204	1/1	0.99	0.02	60,60,60,60	0
57	MG	1a	1740	1/1	0.99	0.06	61,61,61,61	0
60	ZN	16	103	1/1	0.99	0.07	53,53,53,53	0
60	ZN	19	102	1/1	0.99	0.04	44,44,44,44	0
57	MG	1a	1797	1/1	0.99	0.06	54,54,54,54	0
57	MG	1A	4043	1/1	0.99	0.03	25,25,25,25	0
57	MG	1V	204	1/1	0.99	0.10	29,29,29,29	0
60	ZN	25	106	1/1	0.99	0.05	62,62,62,62	0
57	MG	1A	3069	1/1	0.99	0.11	25,25,25,25	0
60	ZN	29	501	1/1	0.99	0.04	68,68,68,68	0
57	MG	1A	3934	1/1	0.99	0.06	61,61,61,61	0
57	MG	1A	3156	1/1	0.99	0.13	26,26,26,26	0
57	MG	1A	3758	1/1	0.99	0.07	47,47,47,47	0
57	MG	1A	3883	1/1	1.00	0.06	33,33,33,33	0
57	MG	2A	3723	1/1	1.00	0.04	46,46,46,46	0
57	MG	1A	3935	1/1	1.00	0.05	28,28,28,28	0
57	MG	2A	3781	1/1	1.00	0.06	64,64,64,64	0
57	MG	2A	3822	1/1	1.00	0.06	41,41,41,41	0
57	MG	1A	3674	1/1	1.00	0.05	24,24,24,24	0
57	MG	1A	3738	1/1	1.00	0.05	49,49,49,49	0
57	MG	1a	1758	1/1	1.00	0.05	34,34,34,34	0
60	ZN	15	107	1/1	1.00	0.05	43,43,43,43	0
57	MG	2A	3595	1/1	1.00	0.04	37,37,37,37	0

6.5 Other polymers [i](#)

There are no such residues in this entry.