



wwPDB X-ray Structure Validation Summary Report ⓘ

Aug 5, 2026 – 05:27 PM EDT

PDB ID : 8CVJ / pdb_00008cvj
Title : Crystal structure of the *Thermus thermophilus* 70S ribosome in complex with mRNA, aminoacylated A-site Phe-NH-tRNA^{phe}, peptidyl P-site fMSEAC-NH-tRNA^{met}, and deacylated E-site tRNA^{phe} at 2.40Å resolution
Authors : Syroegin, E.A.; Aleksandrova, E.V.; Polikanov, Y.S.
Deposited on : 2022-05-18
Resolution : 2.40 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

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

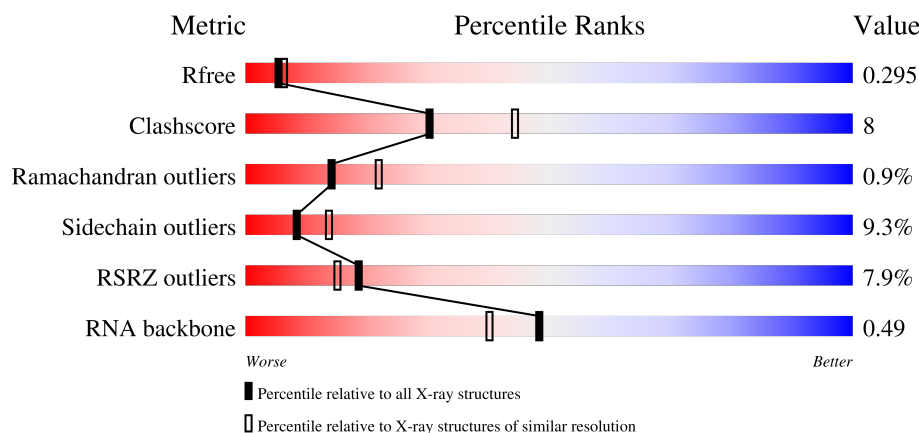
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.40 Å.

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



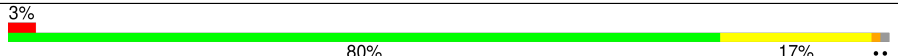
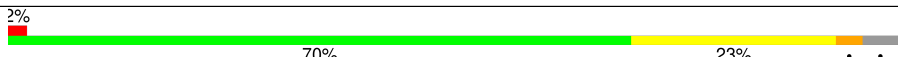
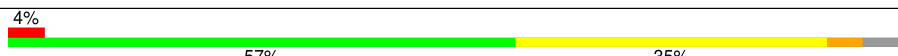
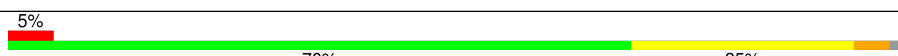
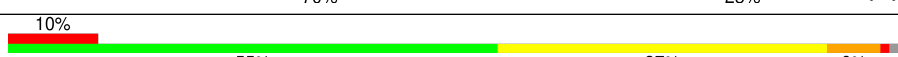
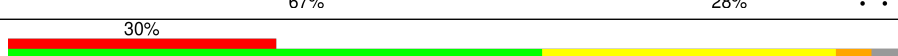
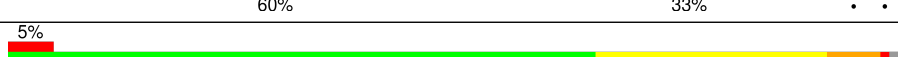
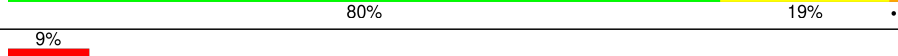
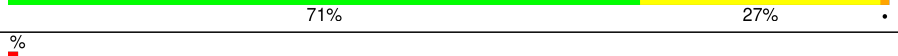
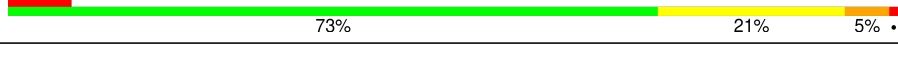
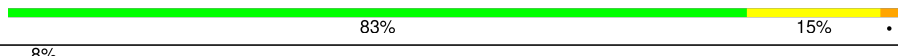
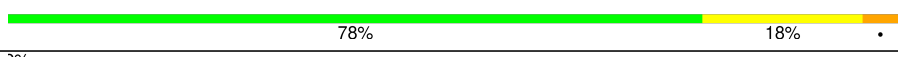
Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	4912 (2.40-2.40)
Clashscore	190562	5391 (2.40-2.40)
Ramachandran outliers	187476	5320 (2.40-2.40)
Sidechain outliers	187428	5321 (2.40-2.40)
RSRZ outliers	180081	4916 (2.40-2.40)
RNA backbone	3983	1155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

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

Mol	Chain	Length	Quality of chain
1	1A	2915	6% 66% 26% 6%
1	2A	2915	5% 59% 31% 6%
2	1B	121	72% 27%
2	2B	121	2% 52% 40% 7%

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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	

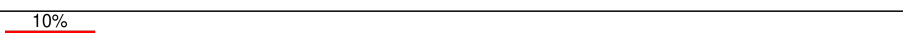
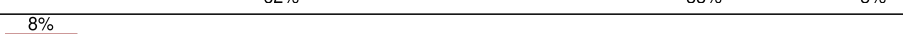
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Mol	Chain	Length	Quality of chain
15	2T	146	
16	1U	118	
16	2U	118	
17	1V	101	
17	2V	101	
18	1W	113	
18	2W	113	
19	1X	96	
19	2X	96	
20	1Y	110	
20	2Y	110	
21	1Z	206	
21	2Z	206	
22	10	85	
22	20	85	
23	11	98	
23	21	98	
24	12	72	
24	22	72	
25	13	60	
25	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	76	
54	2w	76	
55	1x	77	
55	2x	77	
56	1z	5	
56	2z	5	
57	1y	76	
57	2y	76	

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
57	PSU	2y	55	-	-	X	-
61	SF4	1d	302	-	-	X	-

2 Entry composition

There are 62 unique types of molecules in this entry. The entry contains 299959 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 MF-mRNA.

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

- Molecule 54 is a RNA chain called A-site Aminoacyl-tRNA Phe-NH-tRNA^{phe}.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
54	1w	74	Total	C	N	O	P	S	0	0	0
			1603	722	287	518	74	2			
54	2w	72	Total	C	N	O	P	S	0	0	0
			1555	699	280	502	72	2			

- Molecule 55 is a RNA chain called P-site Peptidyl-tRNA fMSEAC-NH-tRNA^{met} RNA-part.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
55	1x	77	Total	C	N	O	P	S	0	0	0
			1646	734	298	536	77	1			
55	2x	77	Total	C	N	O	P	S	0	0	0
			1646	734	298	536	77	1			

- Molecule 56 is a protein called P-site Peptidyl-tRNA fMSEAC-NH-tRNA^{met} Peptide-part.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
56	1z	4	Total	C	N	O	S	0	0	0
			26	14	4	7	1			
56	2z	3	Total	C	N	O	S	0	0	0
			20	11	3	5	1			

- Molecule 57 is a RNA chain called E-site Deacylated tRNA^{phe}.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
57	1y	74	Total	C	N	O	P	S	0	0	0
			1585	707	285	518	74	1			
57	2y	73	Total	C	N	O	P	S	0	0	0
			1565	698	283	510	73	1			

- Molecule 58 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	1A	1108	Total	Mg	0	0
			1108	1108		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	1B	38	Total 38	Mg 38	0	0
58	1D	10	Total 10	Mg 10	0	0
58	1E	14	Total 14	Mg 14	0	0
58	1F	14	Total 14	Mg 14	0	0
58	1G	5	Total 5	Mg 5	0	0
58	1H	1	Total 1	Mg 1	0	0
58	1I	1	Total 1	Mg 1	0	0
58	1N	5	Total 5	Mg 5	0	0
58	1O	5	Total 5	Mg 5	0	0
58	1P	4	Total 4	Mg 4	0	0
58	1Q	8	Total 8	Mg 8	0	0
58	1R	3	Total 3	Mg 3	0	0
58	1S	3	Total 3	Mg 3	0	0
58	1T	3	Total 3	Mg 3	0	0
58	1U	11	Total 11	Mg 11	0	0
58	1V	6	Total 6	Mg 6	0	0
58	1W	4	Total 4	Mg 4	0	0
58	1X	6	Total 6	Mg 6	0	0
58	1Y	3	Total 3	Mg 3	0	0
58	1Z	3	Total 3	Mg 3	0	0
58	10	7	Total 7	Mg 7	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	11	6	Total 6	Mg 6	0	0
58	12	2	Total 2	Mg 2	0	0
58	13	6	Total 6	Mg 6	0	0
58	14	1	Total 1	Mg 1	0	0
58	15	7	Total 7	Mg 7	0	0
58	16	2	Total 2	Mg 2	0	0
58	17	5	Total 5	Mg 5	0	0
58	18	5	Total 5	Mg 5	0	0
58	19	1	Total 1	Mg 1	0	0
58	1a	213	Total 213	Mg 213	0	0
58	1b	1	Total 1	Mg 1	0	0
58	1d	1	Total 1	Mg 1	0	0
58	1e	2	Total 2	Mg 2	0	0
58	1f	2	Total 2	Mg 2	0	0
58	1k	1	Total 1	Mg 1	0	0
58	1l	2	Total 2	Mg 2	0	0
58	1m	1	Total 1	Mg 1	0	0
58	1n	2	Total 2	Mg 2	0	0
58	1t	1	Total 1	Mg 1	0	0
58	1v	1	Total 1	Mg 1	0	0
58	1w	9	Total 9	Mg 9	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	1x	12	Total 12	Mg 12	0	0
58	2A	869	Total 869	Mg 869	0	0
58	2B	19	Total 19	Mg 19	0	0
58	2D	7	Total 7	Mg 7	0	0
58	2E	8	Total 8	Mg 8	0	0
58	2F	6	Total 6	Mg 6	0	0
58	2G	1	Total 1	Mg 1	0	0
58	2O	1	Total 1	Mg 1	0	0
58	2P	1	Total 1	Mg 1	0	0
58	2Q	2	Total 2	Mg 2	0	0
58	2R	2	Total 2	Mg 2	0	0
58	2T	3	Total 3	Mg 3	0	0
58	2U	2	Total 2	Mg 2	0	0
58	2V	2	Total 2	Mg 2	0	0
58	2W	2	Total 2	Mg 2	0	0
58	2X	2	Total 2	Mg 2	0	0
58	2Y	1	Total 1	Mg 1	0	0
58	2Z	1	Total 1	Mg 1	0	0
58	20	3	Total 3	Mg 3	0	0
58	21	1	Total 1	Mg 1	0	0
58	23	3	Total 3	Mg 3	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	25	6	Total 6	Mg 6	0	0
58	27	3	Total 3	Mg 3	0	0
58	28	3	Total 3	Mg 3	0	0
58	2a	235	Total 235	Mg 235	0	0
58	2d	2	Total 2	Mg 2	0	0
58	2e	1	Total 1	Mg 1	0	0
58	2f	2	Total 2	Mg 2	0	0
58	2g	1	Total 1	Mg 1	0	0
58	2i	1	Total 1	Mg 1	0	0
58	2j	1	Total 1	Mg 1	0	0
58	2k	1	Total 1	Mg 1	0	0
58	2l	4	Total 4	Mg 4	0	0
58	2n	1	Total 1	Mg 1	0	0
58	2p	1	Total 1	Mg 1	0	0
58	2q	2	Total 2	Mg 2	0	0
58	2r	1	Total 1	Mg 1	0	0
58	2t	1	Total 1	Mg 1	0	0
58	2v	4	Total 4	Mg 4	0	0
58	2w	4	Total 4	Mg 4	0	0
58	2x	6	Total 6	Mg 6	0	0
58	2y	1	Total 1	Mg 1	0	0

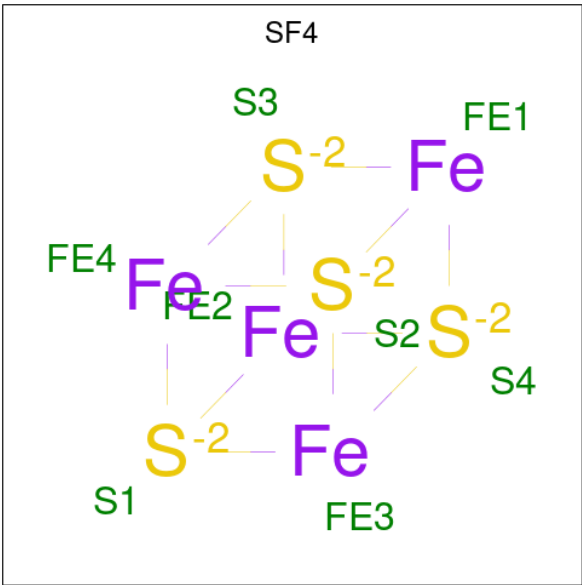
- Molecule 59 is POTASSIUM ION (CCD ID: K) (formula: K).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
59	1A	1	Total K 1 1	0	0
59	2x	1	Total K 1 1	0	0

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

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	1Y	1	Total Zn 1 1	0	0
60	14	1	Total Zn 1 1	0	0
60	15	1	Total Zn 1 1	0	0
60	16	1	Total Zn 1 1	0	0
60	19	1	Total Zn 1 1	0	0
60	1n	1	Total Zn 1 1	0	0
60	2Y	1	Total Zn 1 1	0	0
60	24	1	Total Zn 1 1	0	0
60	25	1	Total Zn 1 1	0	0
60	26	1	Total Zn 1 1	0	0
60	29	1	Total Zn 1 1	0	0
60	2n	1	Total Zn 1 1	0	0

- Molecule 61 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe₄S₄).



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	1956	Total	O	0	0
			1956	1956		
62	1B	62	Total	O	0	0
			62	62		
62	1D	27	Total	O	0	0
			27	27		
62	1E	28	Total	O	0	0
			28	28		
62	1F	22	Total	O	0	0
			22	22		
62	1G	3	Total	O	0	0
			3	3		
62	1H	2	Total	O	0	0
			2	2		
62	1N	4	Total	O	0	0
			4	4		
62	1O	5	Total	O	0	0
			5	5		
62	1P	21	Total	O	0	0
			21	21		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	1Q	6	Total 6	O 6	0	0
62	1R	11	Total 11	O 11	0	0
62	1S	4	Total 4	O 4	0	0
62	1T	7	Total 7	O 7	0	0
62	1U	11	Total 11	O 11	0	0
62	1V	8	Total 8	O 8	0	0
62	1W	8	Total 8	O 8	0	0
62	1X	5	Total 5	O 5	0	0
62	1Y	3	Total 3	O 3	0	0
62	1Z	1	Total 1	O 1	0	0
62	10	13	Total 13	O 13	0	0
62	11	12	Total 12	O 12	0	0
62	12	3	Total 3	O 3	0	0
62	13	4	Total 4	O 4	0	0
62	14	1	Total 1	O 1	0	0
62	15	6	Total 6	O 6	0	0
62	16	2	Total 2	O 2	0	0
62	17	10	Total 10	O 10	0	0
62	18	8	Total 8	O 8	0	0
62	1a	326	Total 326	O 326	0	0
62	1b	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	1e	1	Total 1	O 1	0	0
62	1f	1	Total 1	O 1	0	0
62	1g	1	Total 1	O 1	0	0
62	1i	1	Total 1	O 1	0	0
62	1l	4	Total 4	O 4	0	0
62	1m	1	Total 1	O 1	0	0
62	1o	1	Total 1	O 1	0	0
62	1p	1	Total 1	O 1	0	0
62	1q	2	Total 2	O 2	0	0
62	1u	1	Total 1	O 1	0	0
62	1v	5	Total 5	O 5	0	0
62	1w	8	Total 8	O 8	0	0
62	1x	9	Total 9	O 9	0	0
62	1z	1	Total 1	O 1	0	0
62	1y	1	Total 1	O 1	0	0
62	2A	1067	Total 1067	O 1067	0	0
62	2B	22	Total 22	O 22	0	0
62	2D	26	Total 26	O 26	0	0
62	2E	17	Total 17	O 17	0	0
62	2F	13	Total 13	O 13	0	0
62	2N	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	2O	1	Total 1	O 1	0	0
62	2P	10	Total 10	O 10	0	0
62	2Q	2	Total 2	O 2	0	0
62	2R	4	Total 4	O 4	0	0
62	2T	4	Total 4	O 4	0	0
62	2U	2	Total 2	O 2	0	0
62	2W	2	Total 2	O 2	0	0
62	2X	4	Total 4	O 4	0	0
62	2Y	1	Total 1	O 1	0	0
62	2Z	1	Total 1	O 1	0	0
62	20	3	Total 3	O 3	0	0
62	21	10	Total 10	O 10	0	0
62	22	1	Total 1	O 1	0	0
62	23	1	Total 1	O 1	0	0
62	25	2	Total 2	O 2	0	0
62	27	4	Total 4	O 4	0	0
62	28	3	Total 3	O 3	0	0
62	29	1	Total 1	O 1	0	0
62	2a	225	Total 225	O 225	0	0
62	2c	1	Total 1	O 1	0	0
62	2d	1	Total 1	O 1	0	0

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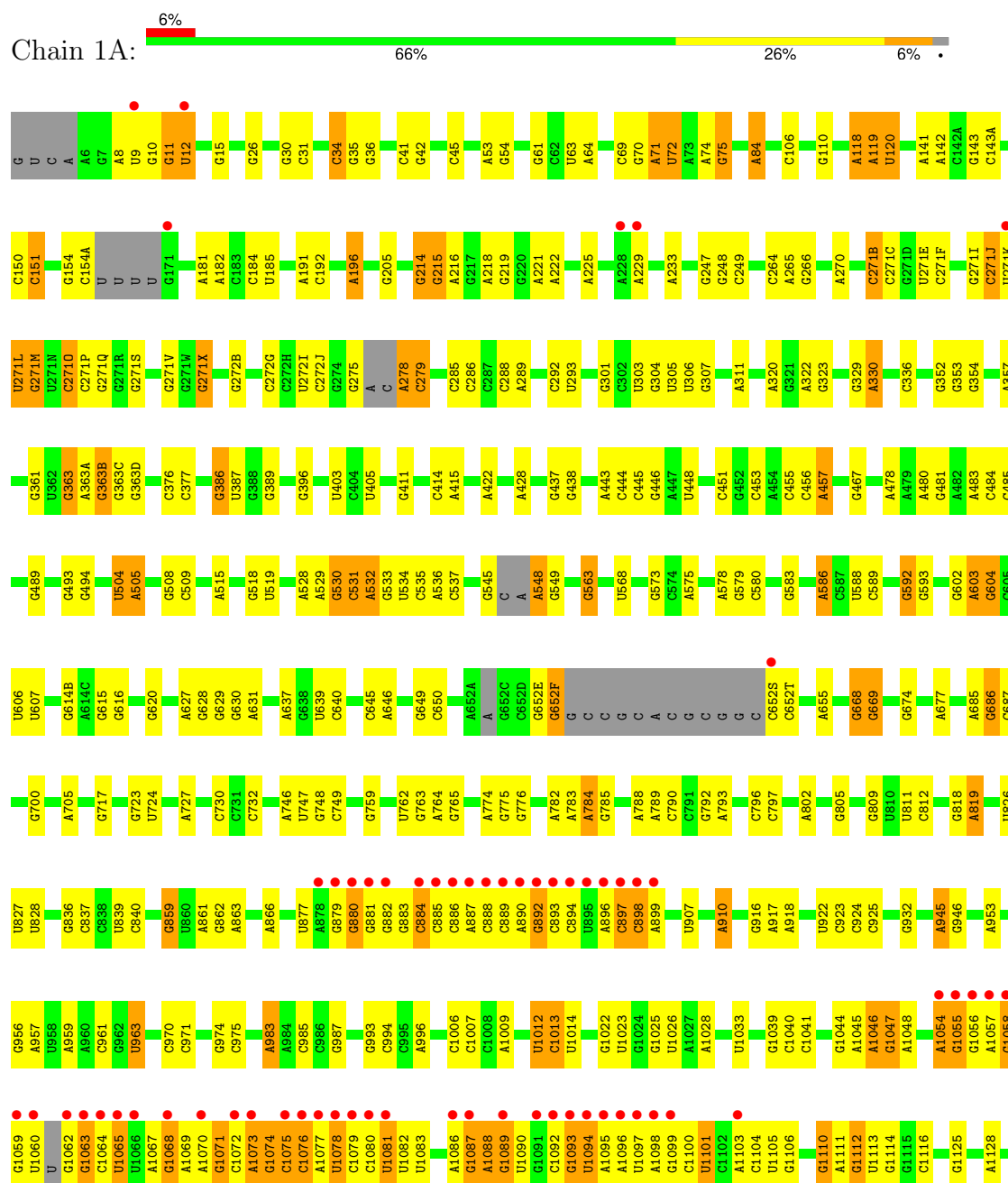
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	2e	2	Total 2	O 2	0	0
62	2i	1	Total 1	O 1	0	0
62	2j	3	Total 3	O 3	0	0
62	2l	6	Total 6	O 6	0	0
62	2p	2	Total 2	O 2	0	0
62	2r	1	Total 1	O 1	0	0
62	2t	2	Total 2	O 2	0	0
62	2v	1	Total 1	O 1	0	0
62	2w	5	Total 5	O 5	0	0
62	2x	3	Total 3	O 3	0	0
62	2z	1	Total 1	O 1	0	0

3 Residue-property plots

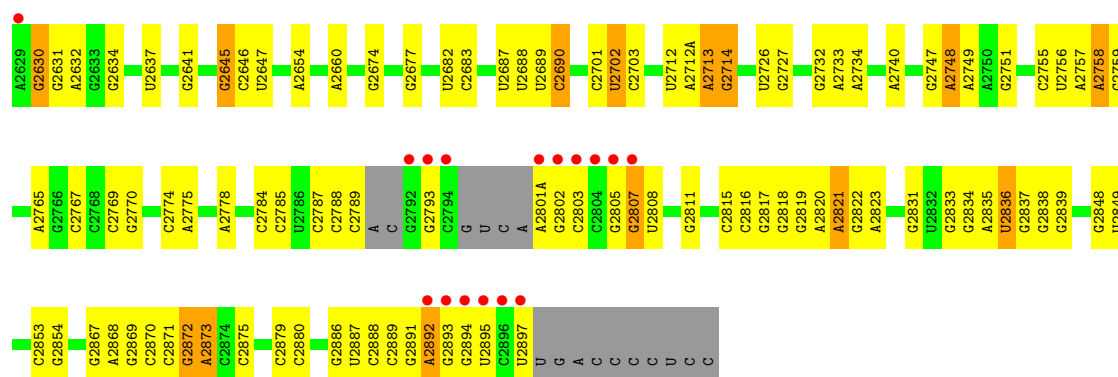
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density.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

• Molecule 1: 23S Ribosomal RNA



U2726	C2591	A2476	A2336	G2222	G2145	C2064	U1939	U1805	C1683	A1545	G1421	G1135
G2732	G2592	C2477	G2337	A2225	C2146	C2065	C1942	A1812	C1684	C1546	G1422	G1136
A2733	A2602	A2478	U2344	G2228	G2147	C2066	U1955	G1813	U1688	C1547	A1427	G1137
A2740	U2605	C2483	G2345	G2228	U2150	U2068	U1968	G1814	C1550	C1428	G1429	G1138
A2741	G2608	G2486	A2346	G2235	G2151	G2070	A1960	G1815	C1551	C1430	U1292	U1142
C2745	U2609	U2491	C2347	G2238	G2152	A2071	C1961	G1816	A1554	C1442	C1293	U1165
U2746	C2610	U2492	C2350	G2239	G2153	U2092	C1962	G1817	A1558	A1445	C1297	C1166
A2749	U2493	U2493	C2356	U2243	G2154	G2093	U1963	A1825	A1698	U1300	U1300	G1171
C2752	A2614	A2497	A2361	U2244	G2155	U2096	C1967	A1829	A1700	A1301	A1302	G1173
U2753	U2615	C2498	G2365	G2251	A2158	U2099	A1970	C1837	A1701	A1567	A1567	U1176
U2754	C2499	C2498	G2365	G2252	G2159	U2100	A1971	C1838	A1699	A1452	A1302	A1174
U2755	A2629	G2502	A2378	A2268	G2160	G2109	A1972	C1839	G1699	U1453	A1302	U1177
U2756	G2630	A2503	G2379	G2269	G2161	U2102	U1991	G1846	A1702	G1455	A1316	C1178
A2757	G2631	U2504	G2380	G2270	C2163	C2103	G1992	A1847	G1703	U1461	A1317	C1179
A2765	A2632	G2505	G2381	G2271	G2164	G2104	U1993	U1851	U1697	G1460	G1332	G1183
C2771	G2633	C2512	G2382	G2272	G2165	G2105	C1996	C1852	A1722	G1465	U1339	G1184
C2772	G2634	G2513	G2383	G2277	U2167	G2106	G1997	C1853	U1739	U1340	A1354	A1189
C2773	C2646	G2513	G2384	G2277	G2168	U2107	U1997	A1854	G1740	C1467	U1341	G1190
C2774	U2647	G2518	C2385	C2283	G2169	C2108	G2000	A1854	A1741	C1588	C1345	G1191
A2788	A2654	U2522	A2393	C2284	A2170	G2110	C2006	A1859	G1742	G1482	U1372	G1192
G2783	A2650	G2529	C2394	C2285	A2171	G2111	G2006	C1866	C1743	G1584	A1359	A1220
U2786	G2663	G2536	G2400	C2286	U2172	G2112	C2006	C1876	U1762	G1586	A1360	G1229
C2787	G2664	C2540	U2406	A2287	A2173	U2113	A2020	A1877	A1763	U1487	G1364	G1243
C2788	C2681	A2541	C2406	A2288	C2174	U2114	G2011	G1877	A1609	A1495	A1365	G1244
A2790	G2685	G2550	A2422	A2289	C2175	G2115	G2012	G1878	G1766	G1491	U1372	G1245
C2791	G2686	C2551	U2423	G2290	A2176	G2116	A2013	C1882	A1773	G1492	A1379	G1248
G2792	U2687	U2552	C2424	U2291	C2177	A2117	A2013	G1883	U1778	C1506	A1380	G1252
C2793	U2688	G2553	A2425	C2292	G2178	U2118	A2020	A1890	U1779	A1507	G1384	A1263
C2794	U2689	U2554	A2426	G2293	C2179	A2119	G2023	A1891	A1508	C1509	A1263	A1265
G	C2690	U2561	G2427	A2306	G2180	G2120	G2023	C1892	C1509	A1509A	G1385	G1266
U	C2691	U2562	G2428	A2307	U2181	G2121	U2028	G1891	A1780	U1512	C1399	U1267
C	C2691	U2563	G2429	A2312	G2182	U2122	U2029	C1892	A1781	C1513	U1405	A1268
A	U2698	U2564	A2430	U2319	G2183	G2123	G2030	C1892	A1782	U1513	U1406	A1269
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G2802	U2702	A2566	A2435	A2320	G2190	G2125	A2031	A1900	A1784	A1395	U1396	A1271
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			G2468	A2335	U2144	U2144	G2061	A1938	C1804	U1680		

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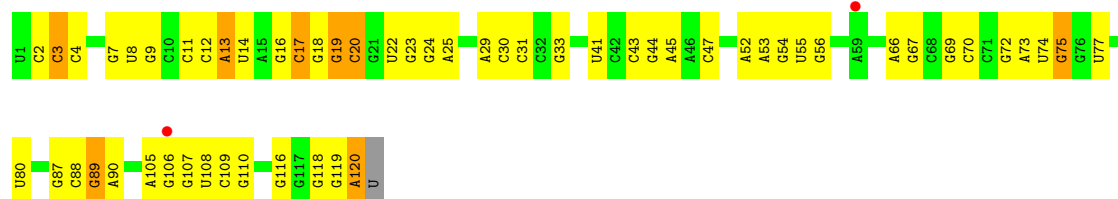
• Molecule 2: 5S Ribosomal RNA

Chain 1B: 72% 27%



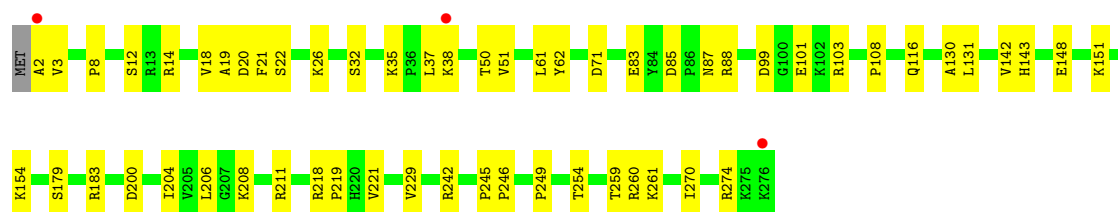
• Molecule 2: 5S Ribosomal RNA

Chain 2B: 52% 40% 7%



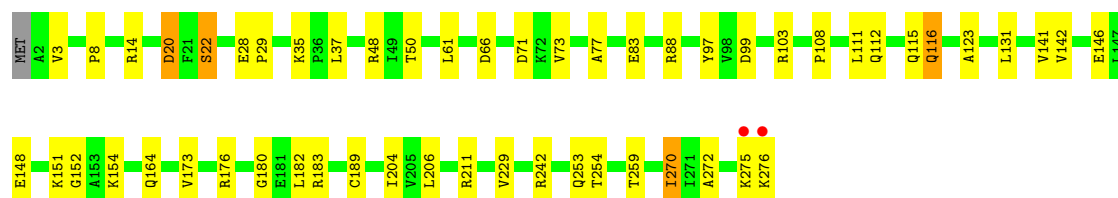
• Molecule 3: 50S ribosomal protein L2

Chain 1D: 79% 21%

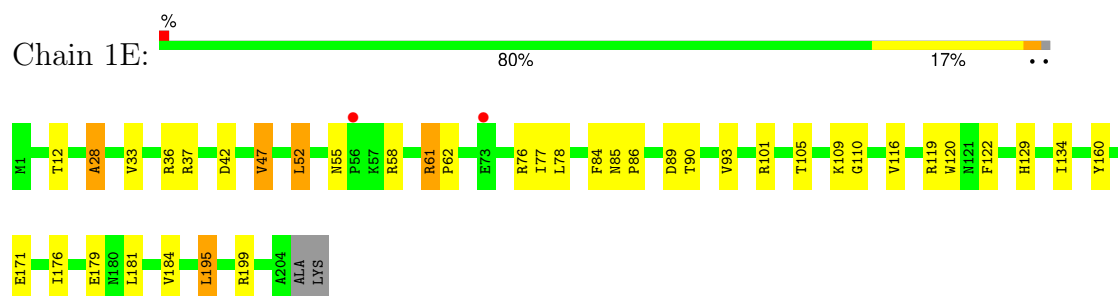


• Molecule 3: 50S ribosomal protein L2

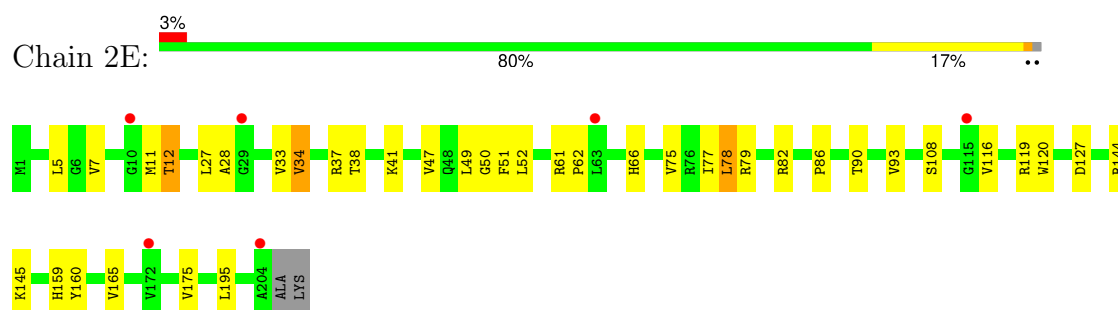
Chain 2D: 80% 18%



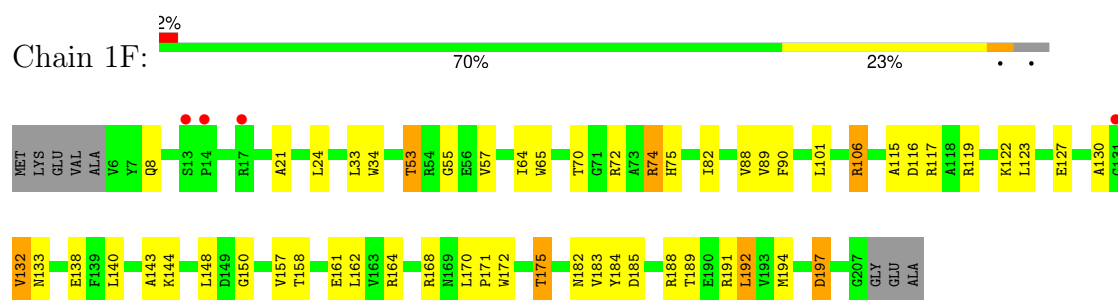
- Molecule 4: 50S ribosomal protein L3



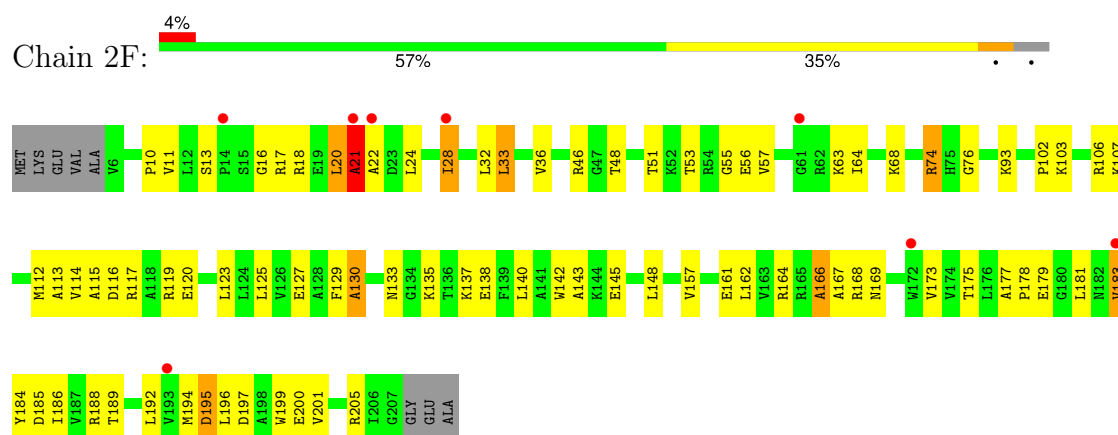
- Molecule 4: 50S ribosomal protein L3



- Molecule 5: 50S ribosomal protein L4

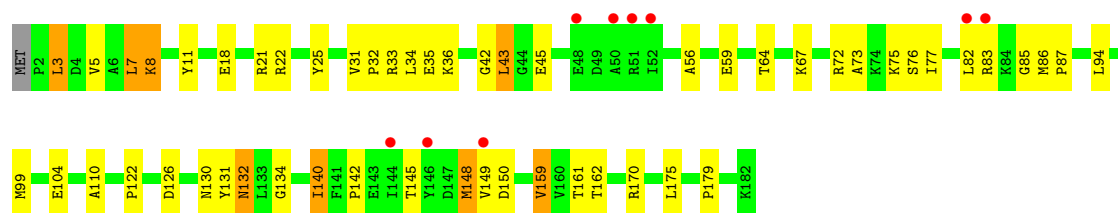


- Molecule 5: 50S ribosomal protein L4

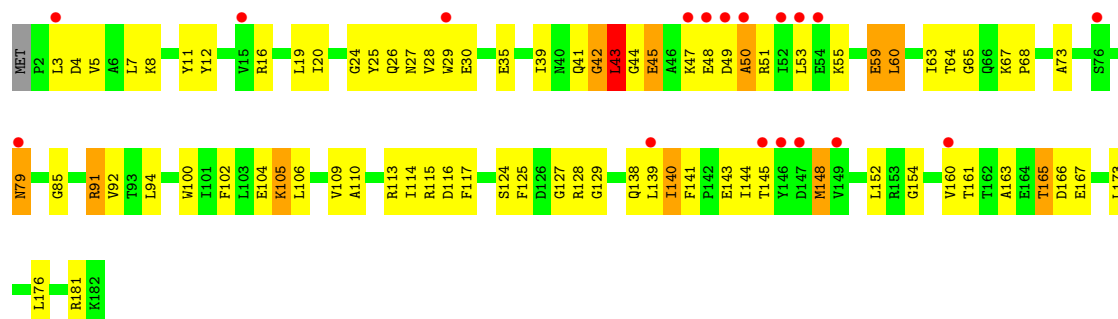


- Molecule 6: 50S ribosomal protein L5

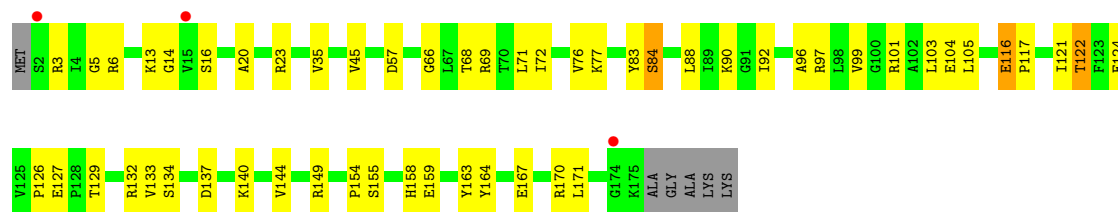




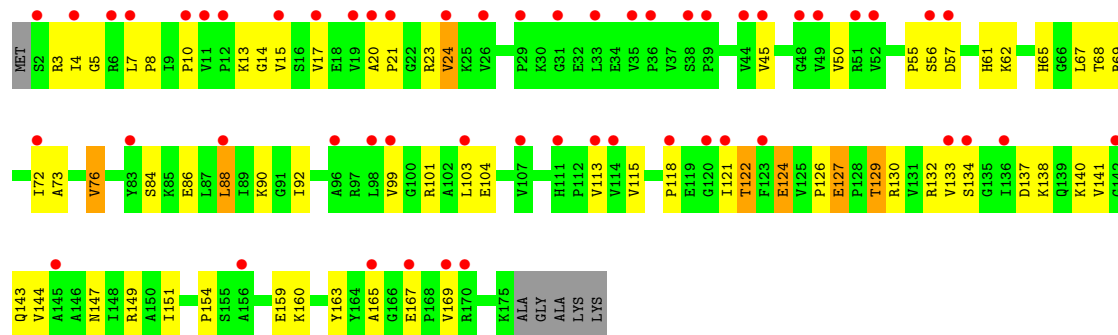
• Molecule 6: 50S ribosomal protein L5



• Molecule 7: 50S ribosomal protein L6

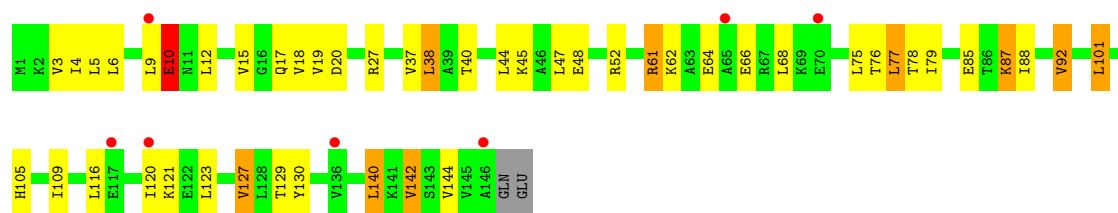


• Molecule 7: 50S ribosomal protein L6

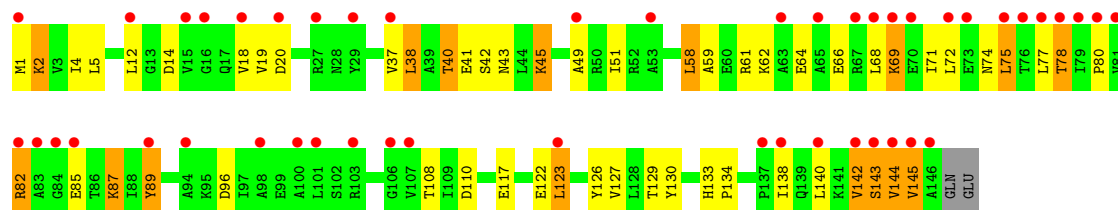


• Molecule 8: 50S ribosomal protein L9

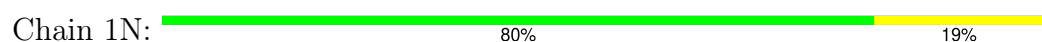




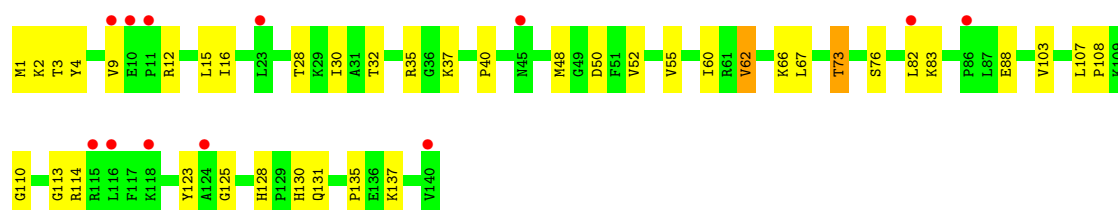
• Molecule 8: 50S ribosomal protein L9



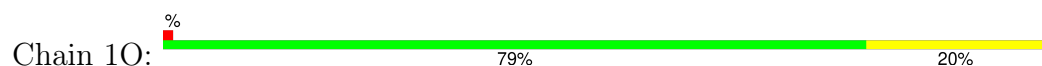
• Molecule 9: 50S ribosomal protein L13



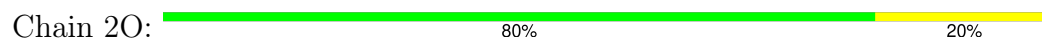
• Molecule 9: 50S ribosomal protein L13



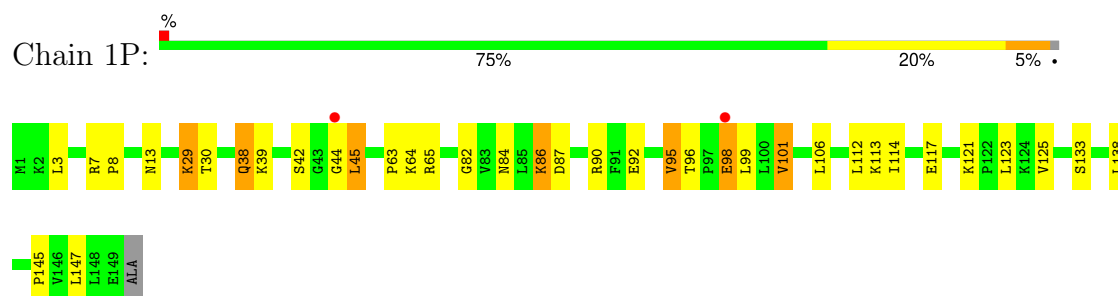
• Molecule 10: 50S ribosomal protein L14



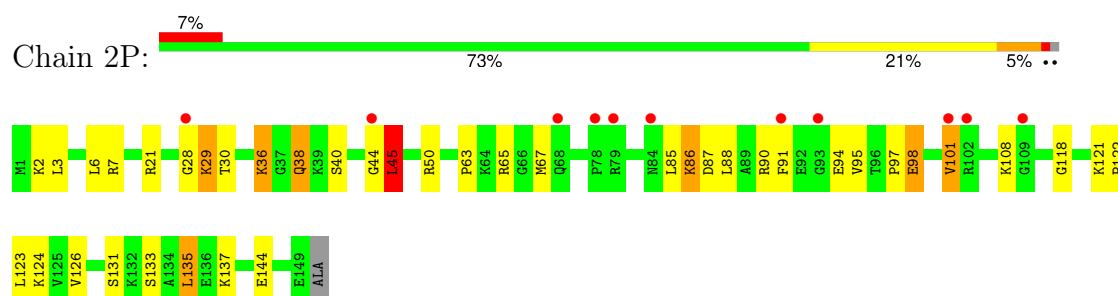
• Molecule 10: 50S ribosomal protein L14



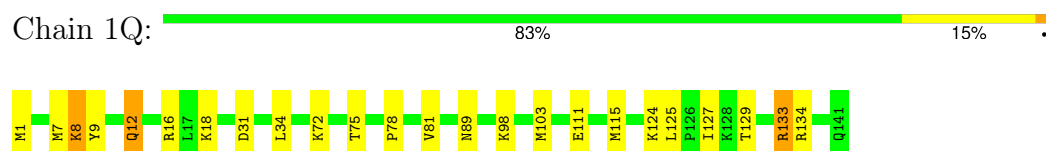
- Molecule 11: 50S ribosomal protein L15



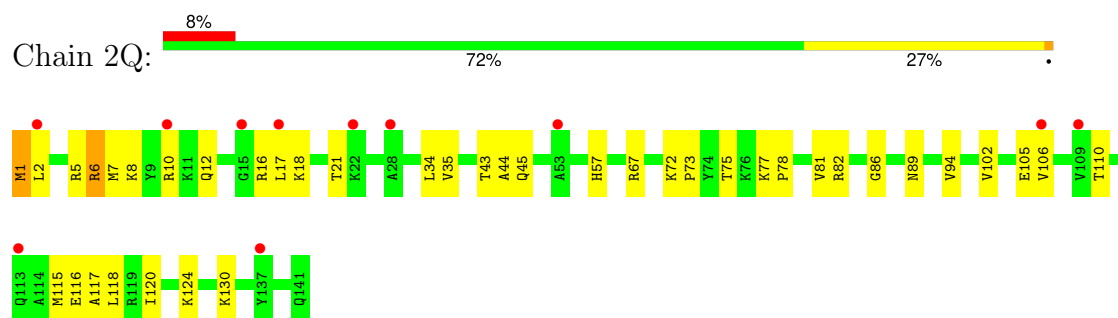
- Molecule 11: 50S ribosomal protein L15



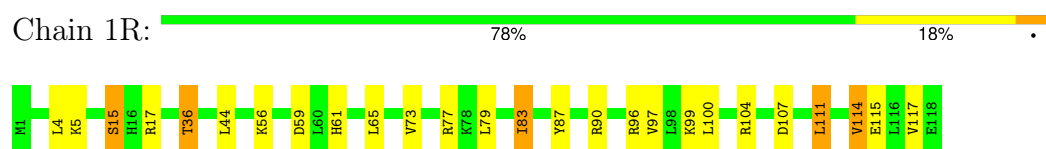
- Molecule 12: 50S ribosomal protein L16



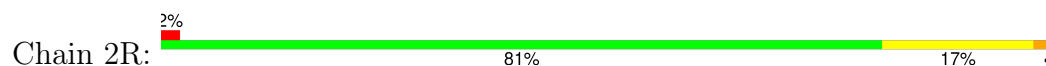
- Molecule 12: 50S ribosomal protein L16

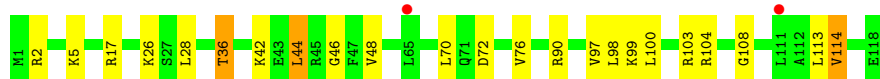


- Molecule 13: 50S ribosomal protein L17



- Molecule 13: 50S ribosomal protein L17





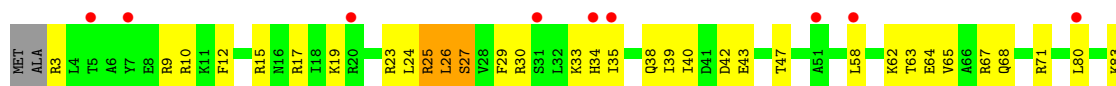
- Molecule 14: 50S ribosomal protein L18

Chain 1S: 77% 21% ..



- Molecule 14: 50S ribosomal protein L18

Chain 2S: 9% 55% 38% . . .



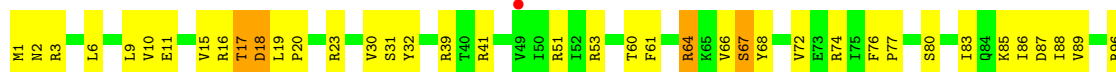
- Molecule 15: 50S ribosomal protein L19

Chain 1T: 2% 69% 20% 10% .



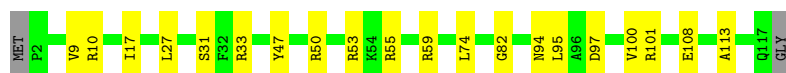
- Molecule 15: 50S ribosomal protein L19

Chain 2T: 3% 54% 32% 10% .

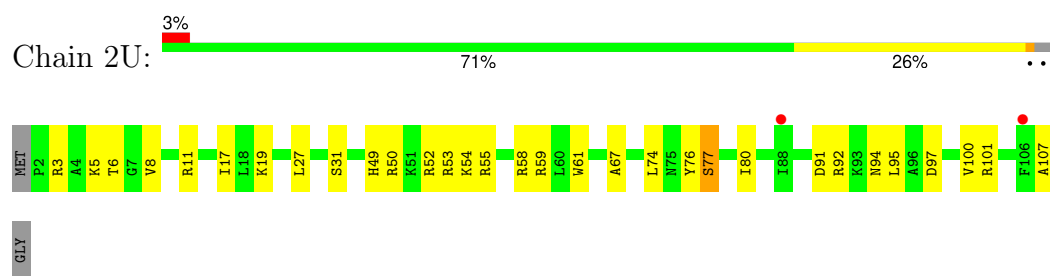


- Molecule 16: 50S ribosomal protein L20

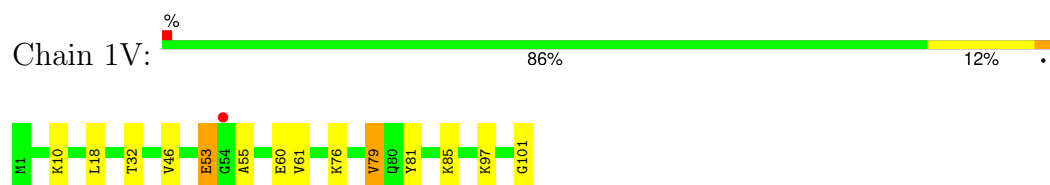
Chain 1U: 81% 17% .



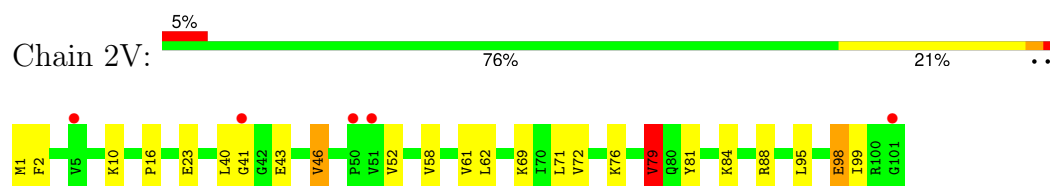
- Molecule 16: 50S ribosomal protein L20



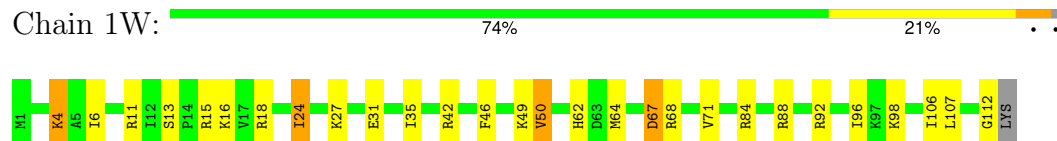
- Molecule 17: 50S ribosomal protein L21



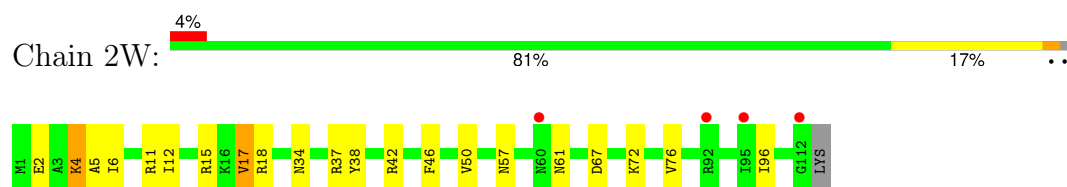
- Molecule 17: 50S ribosomal protein L21



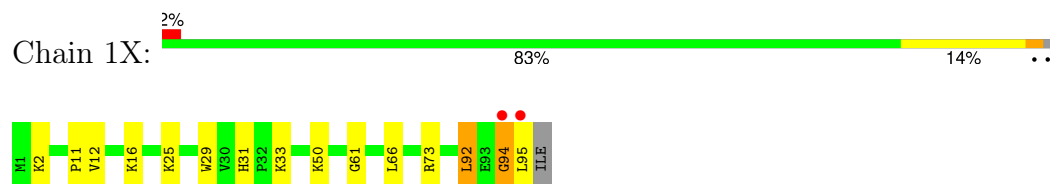
- Molecule 18: 50S ribosomal protein L22



- Molecule 18: 50S ribosomal protein L22

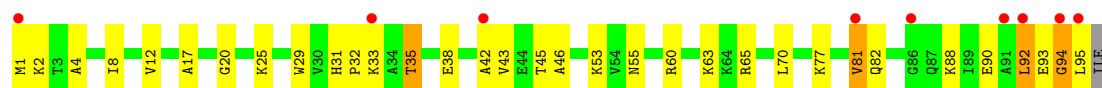


- Molecule 19: 50S ribosomal protein L23

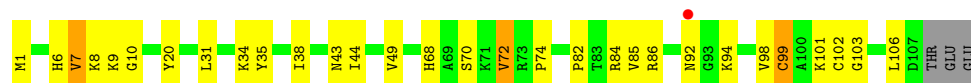


- Molecule 19: 50S ribosomal protein L23

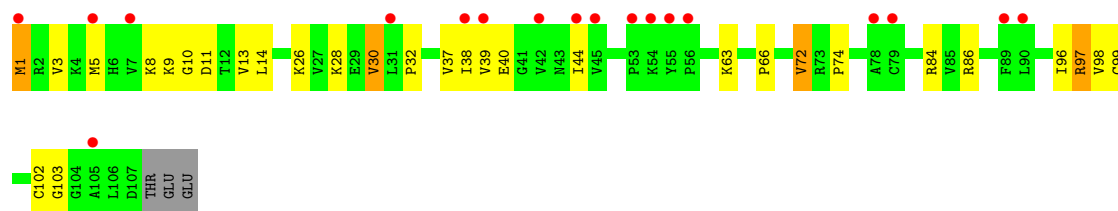




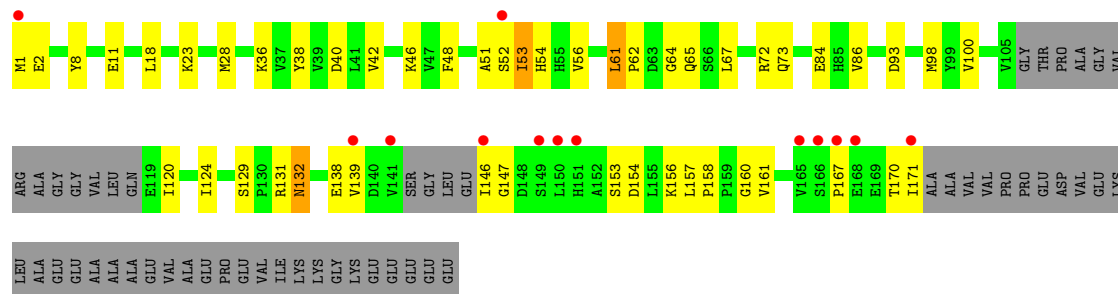
- Molecule 20: 50S ribosomal protein L24



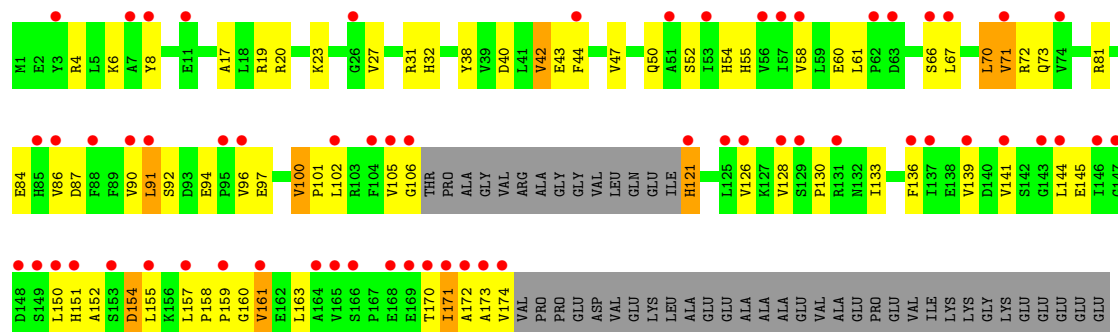
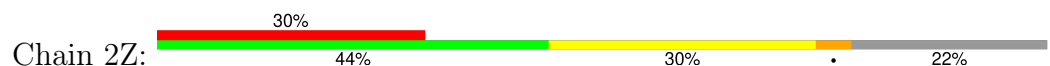
- Molecule 20: 50S ribosomal protein L24



- Molecule 21: 50S ribosomal protein L25



- Molecule 21: 50S ribosomal protein L25



- Molecule 22: 50S ribosomal protein L27

Chain 10:  86% 12%



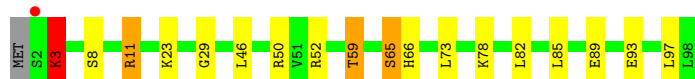
- Molecule 22: 50S ribosomal protein L27

Chain 20:  4% 79% 18%



- Molecule 23: 50S ribosomal protein L28

Chain 11:  81% 14%



- Molecule 23: 50S ribosomal protein L28

Chain 21:  5% 67% 29%



- Molecule 24: 50S ribosomal protein L29

Chain 12:  3% 86% 10%



- Molecule 24: 50S ribosomal protein L29

Chain 22:  4% 62% 32%

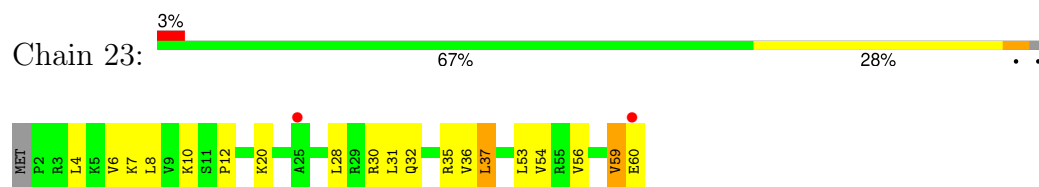


- Molecule 25: 50S ribosomal protein L30

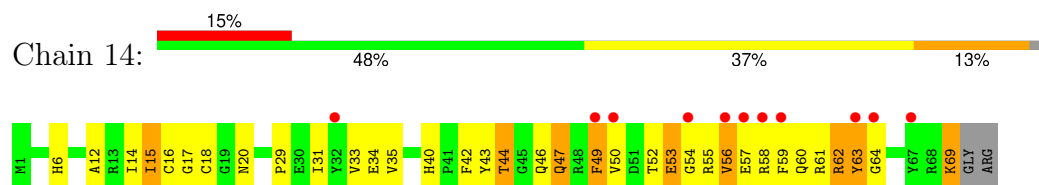
Chain 13:  65% 30%



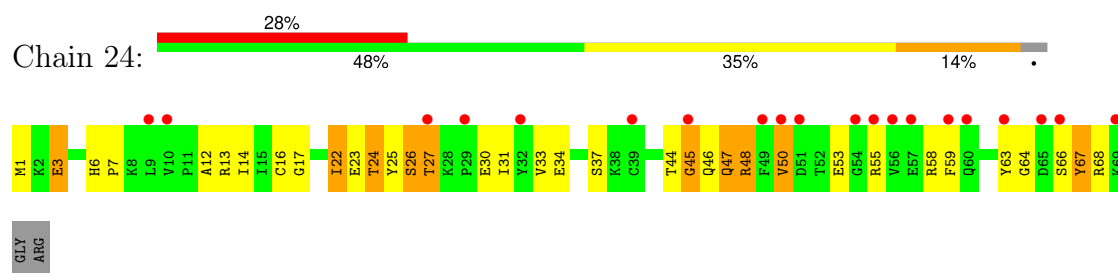
• Molecule 25: 50S ribosomal protein L30



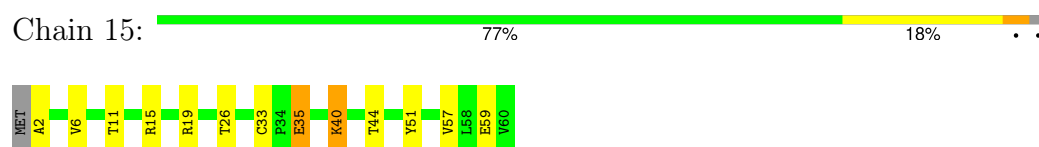
• Molecule 26: 50S ribosomal protein L31



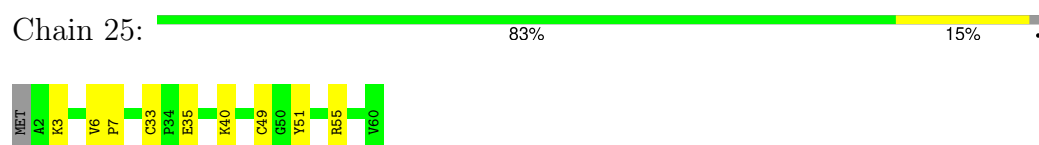
• Molecule 26: 50S ribosomal protein L31



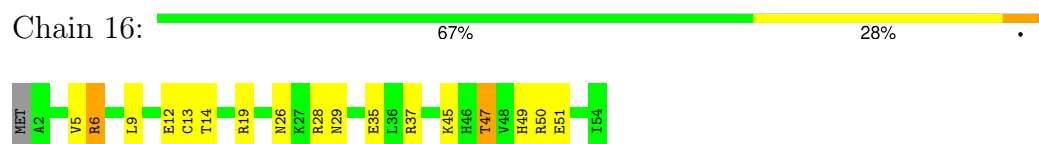
• Molecule 27: 50S ribosomal protein L32



• Molecule 27: 50S ribosomal protein L32



• Molecule 28: 50S ribosomal protein L33

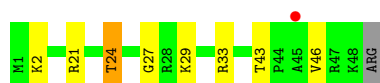
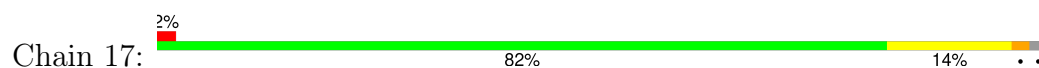


• Molecule 28: 50S ribosomal protein L33

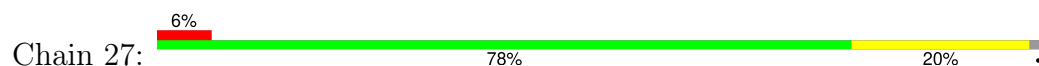




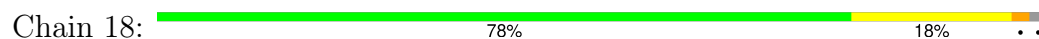
- Molecule 29: 50S ribosomal protein L34



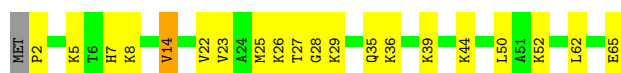
- Molecule 29: 50S ribosomal protein L34



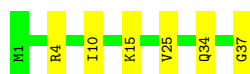
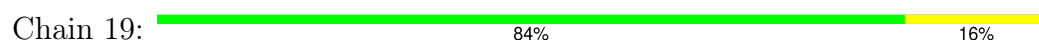
- Molecule 30: 50S ribosomal protein L35



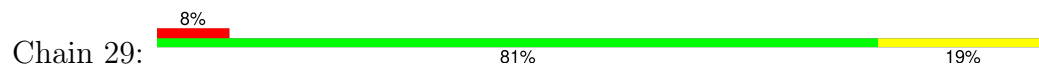
- Molecule 30: 50S ribosomal protein L35



- Molecule 31: 50S ribosomal protein L36

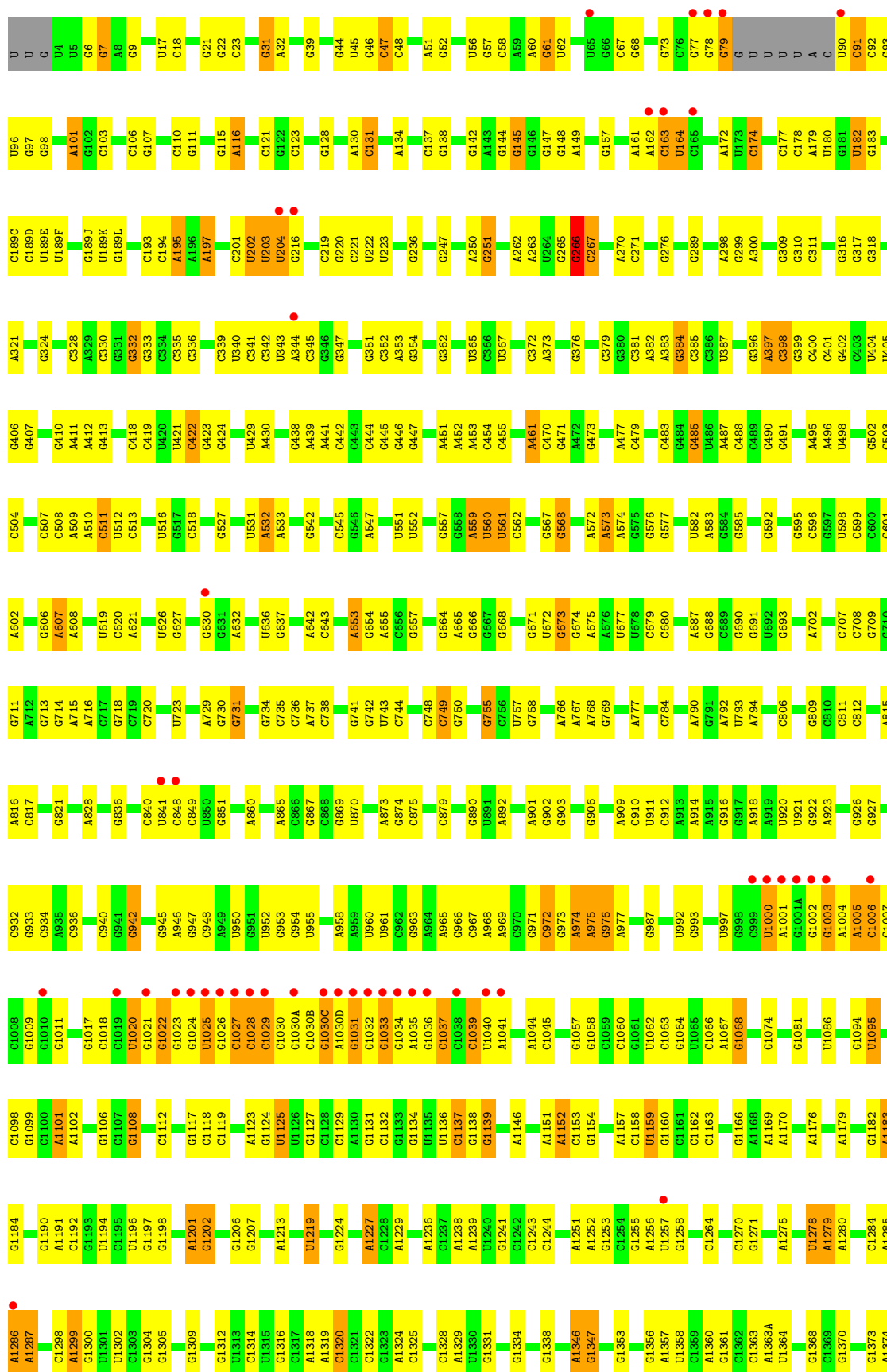


- Molecule 31: 50S ribosomal protein L36

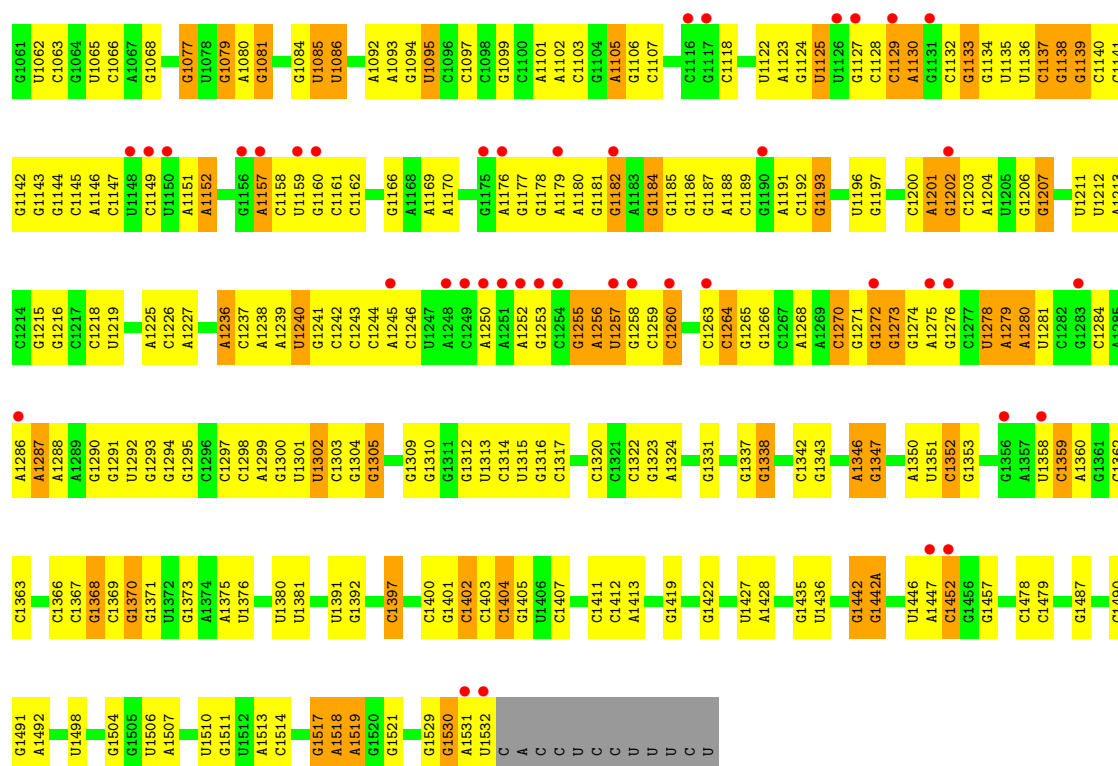


- Molecule 32: 16S Ribosomal RNA

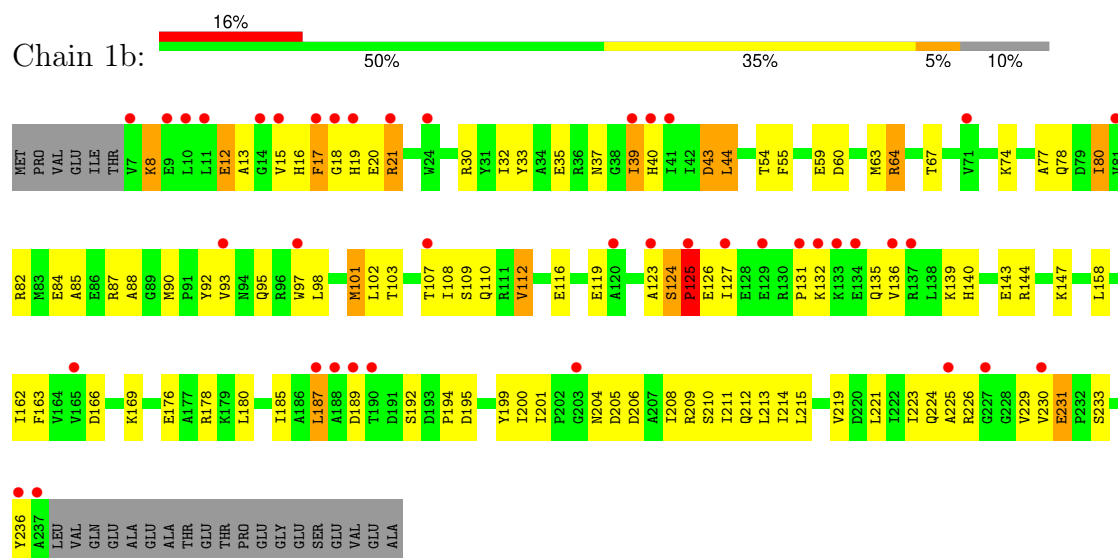




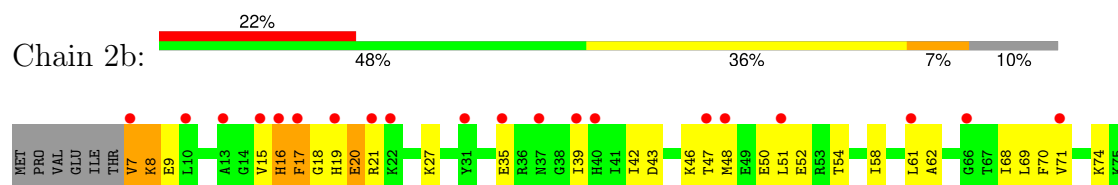


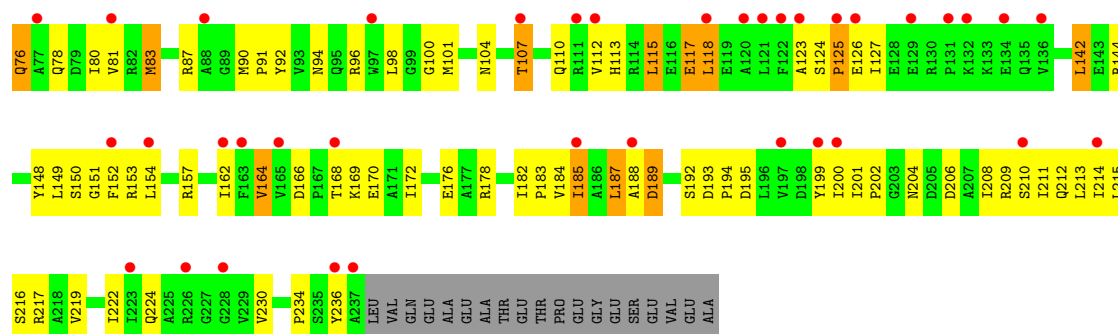


• Molecule 33: 30S ribosomal protein S2

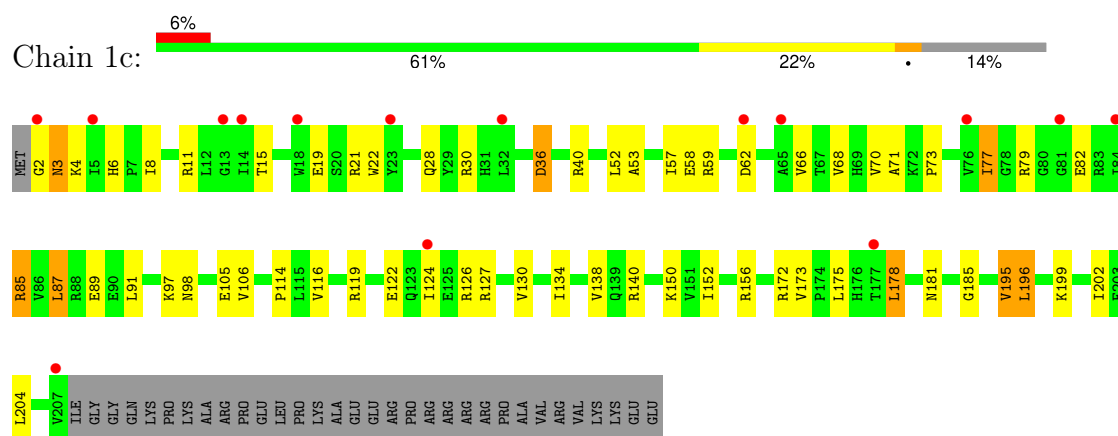


• Molecule 33: 30S ribosomal protein S2

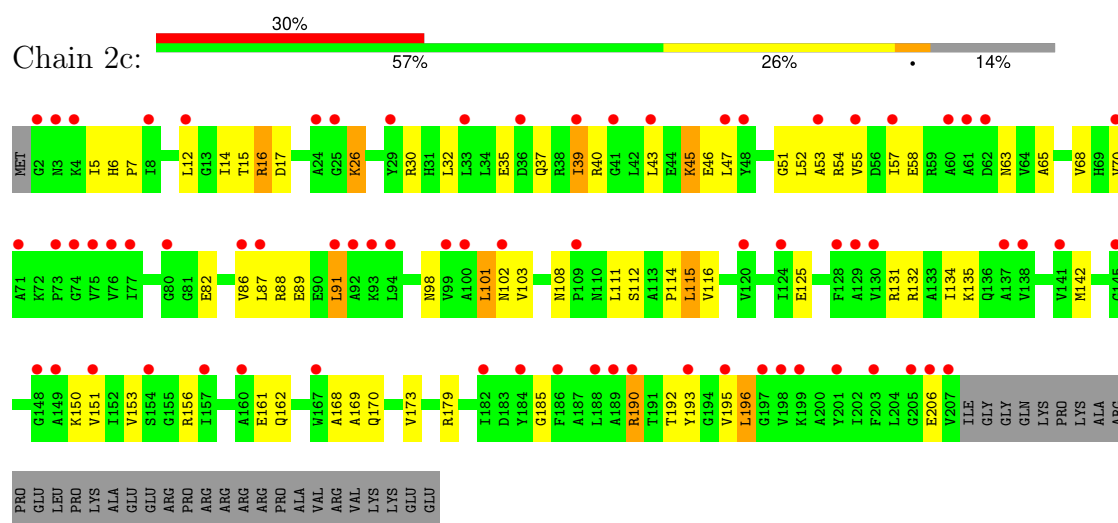




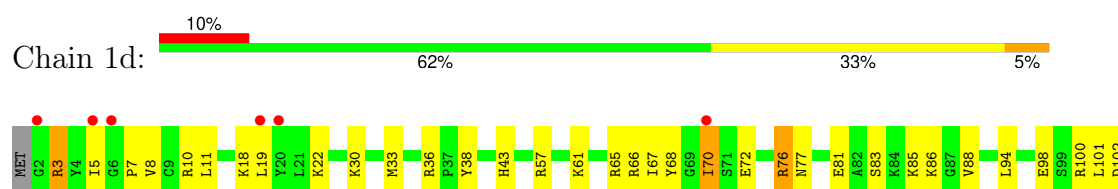
• Molecule 34: 30S ribosomal protein S3

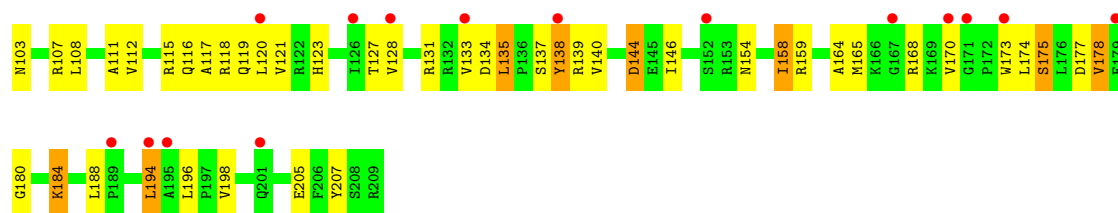


• Molecule 34: 30S ribosomal protein S3

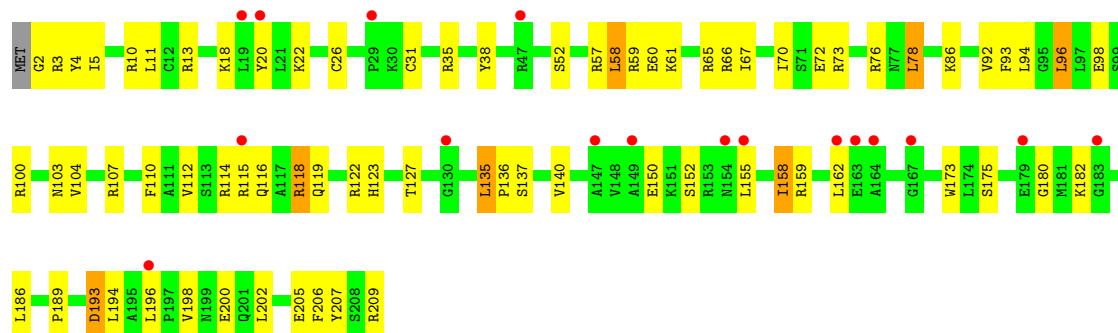


• Molecule 35: 30S ribosomal protein S4

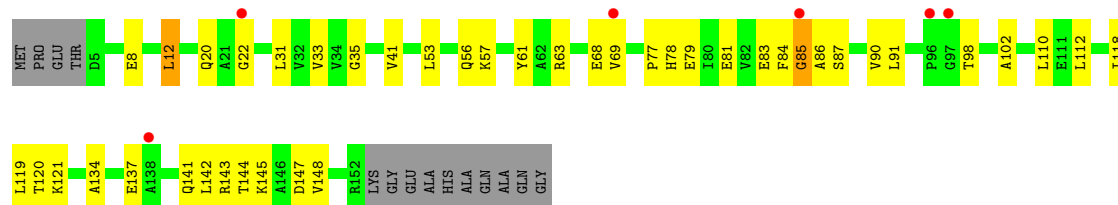




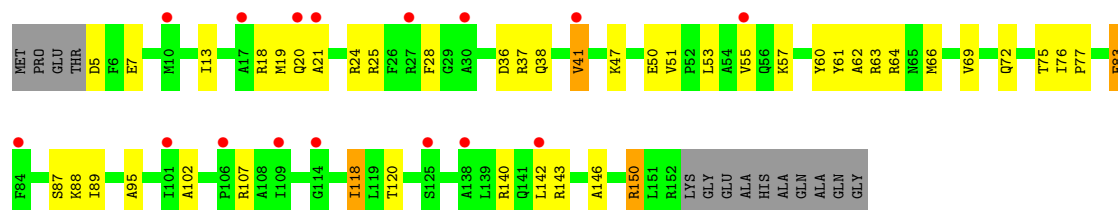
• Molecule 35: 30S ribosomal protein S4



• Molecule 36: 30S ribosomal protein S5



• Molecule 36: 30S ribosomal protein S5



• Molecule 37: 30S ribosomal protein S6



Chain 2f:

Amino Acid	Percentage
M1	0%
R2	0%
L10	0%
M11	0%
P12	0%
L21	0%
E22	0%
K23	0%
E24	0%
I25	0%
I26	0%
Q27	0%
R28	0%
A29	0%
L30	0%
E31	0%
N32	0%
Y33	0%
V37	0%
E41	0%
R46	0%
Y50	0%
A53	0%
Q57	0%
W62	0%
Y63	0%
Q64	0%
V65	0%
E66	0%
M67	0%
P68	0%
E69	0%
N73	0%
D74	0%
L75	0%
A76	0%
R77	0%
E78	0%
L79	0%
I81	0%
R82	0%
D83	0%
R86	0%
V91	0%
K92	0%
S93	0%
Q94	0%

Chain 1g:

7% 74% 21%

• •

MET A2 R3 R4 L12 Q13 P14 V21 T24 A25 F26 I27 N28 K29 I30 M31 R32 K35 L38 R41 I42 F43 A46 C47 I50 Q51 E52 K53 P58 L59 K60 V61 Q64 N68 R72 R78 R79 V80 G81 G82 A83 R84 Y85 L104 F112

Chain 2g:

17% 63% 30% 6%

A83
R84
Y85
P88
P93
Q96
Q97
S98
W103
R111
P112
E113
R114
R119
L124
M125
D126
A127
G130
V135
K138
E139
E142
R143
M144
A145
E146
R149
A150
Y151
A152
H153
Y154
R155
W156

MET
A2
R3
R4
R5
R6
A7
E8
V9
R10
Q11
D15
L16
V17
Y18
G19
D20
V21
L22
V23
F26
I27
I30
G34
K35
K36
A39
A40
Q51
E52
K53
T54
G55
Q56
L59
F62
K63
G64
A65
V66
V69
K70
V75
R76
S77
R78
R79
V80
G81

Chain 1h:

65% 30% 5%

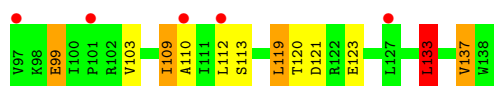
MET L2 D4 D8 I13 R14 M15 E33 E34 R37 I38 I39 A40 R41 E42 G43 F44 I45 Y48 V51 D52 V53 D54 G55 K56 P57 Y58 L59 R60 V61 L62 G63 K64 R68 G71 P74 E77 G78 V79 I80 I83 I86 V95 G96 T62

Chain 2h:

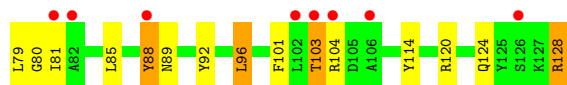
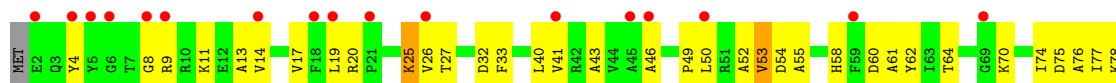
12% 68% 26%

• ••

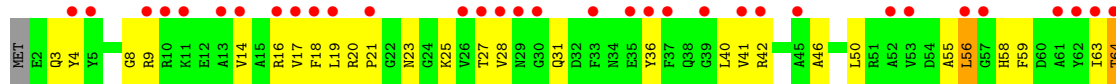
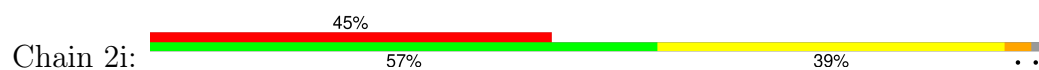
MET L2 P5 I6 A7 M8 L10 T11 R12 I13 R14 M15 A16 T17 R18 I19 Y20 S23 T24 D95 V26 S29 E33 L39 F44 I45 R50 V51 D52 K56 P57 Y58 K64 Y65 R68 R69 Q70 G71 P72 P76 V79 I83 I86 C95



- Molecule 40: 30S ribosomal protein S9



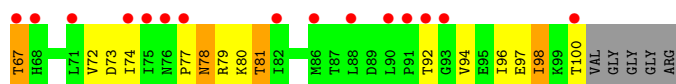
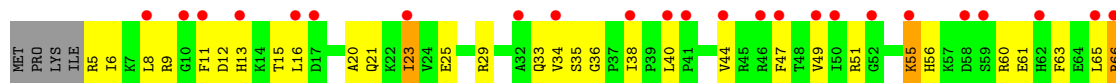
- Molecule 40: 30S ribosomal protein S9



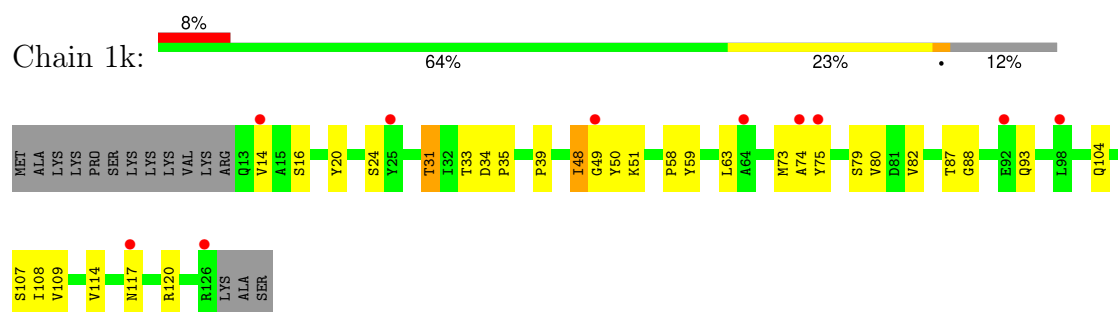
- Molecule 41: 30S ribosomal protein S10



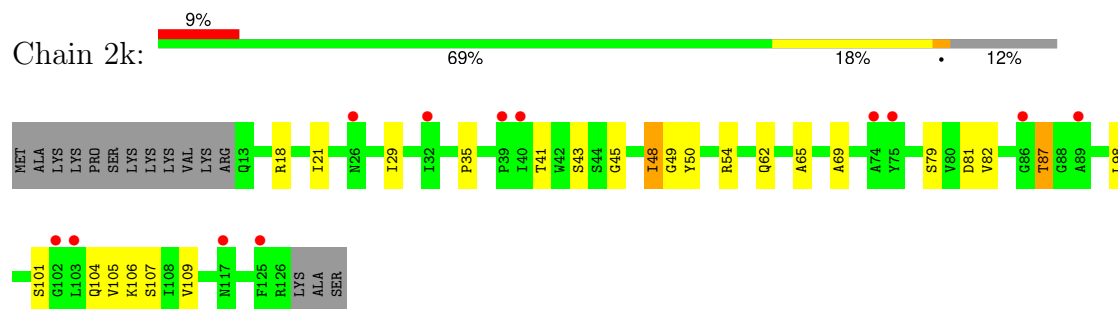
- Molecule 41: 30S ribosomal protein S10



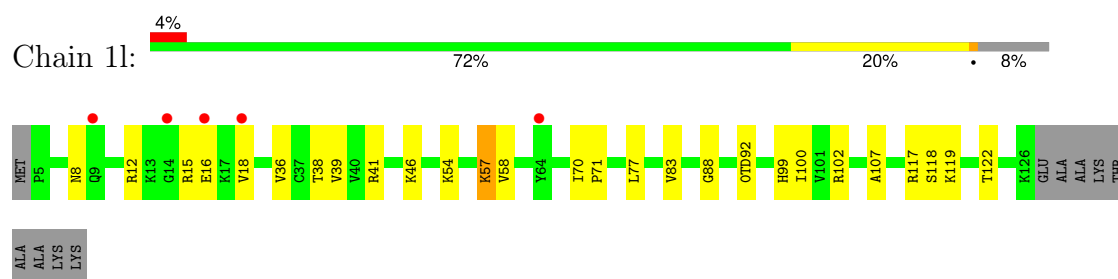
- Molecule 42: 30S ribosomal protein S11



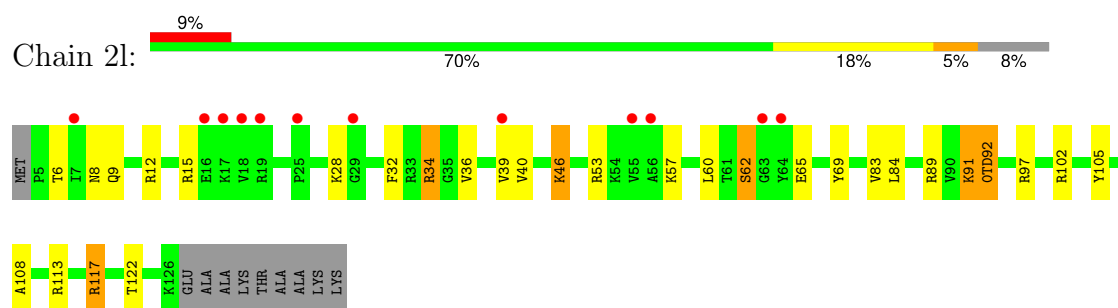
- Molecule 42: 30S ribosomal protein S11



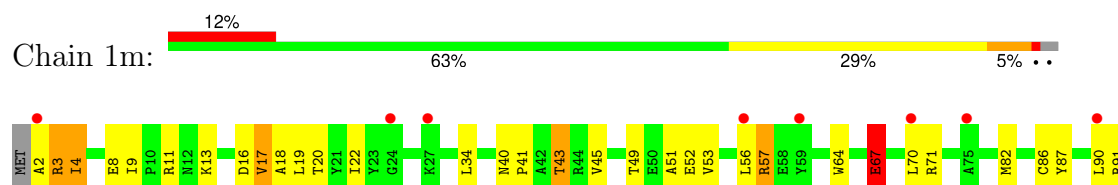
- Molecule 43: 30S ribosomal protein S12

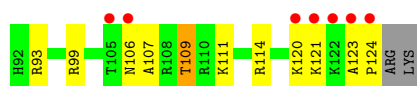


- Molecule 43: 30S ribosomal protein S12

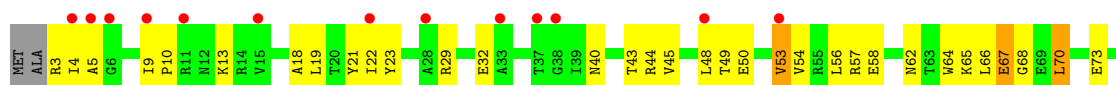


- Molecule 44: 30S ribosomal protein S13





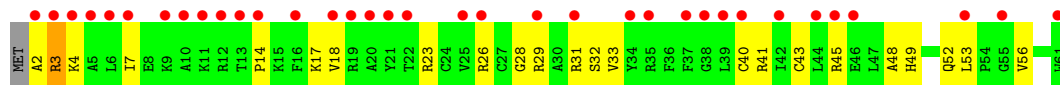
- Molecule 44: 30S ribosomal protein S13



- Molecule 45: 30S ribosomal protein S14 type Z



- Molecule 45: 30S ribosomal protein S14 type Z



- Molecule 46: 30S ribosomal protein S15

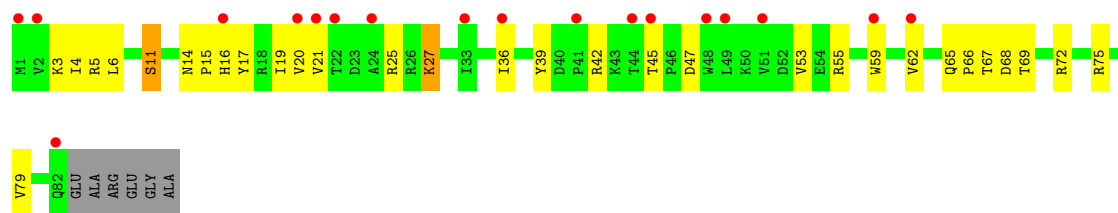


- Molecule 46: 30S ribosomal protein S15

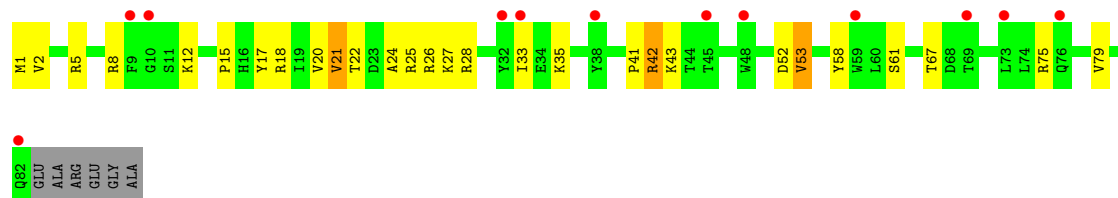


- Molecule 47: 30S ribosomal protein S16

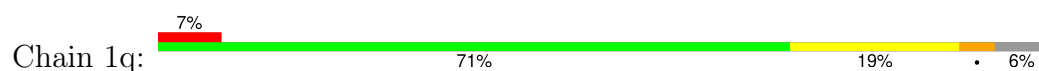




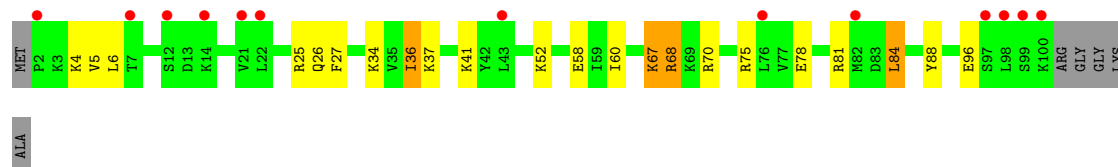
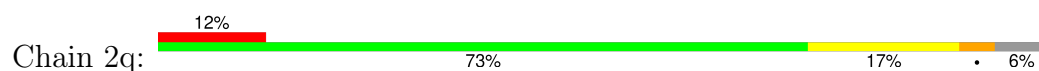
• Molecule 47: 30S ribosomal protein S16



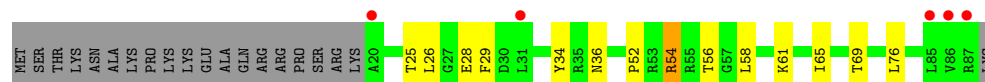
• Molecule 48: 30S ribosomal protein S17



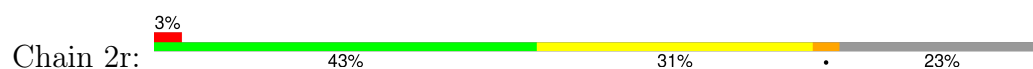
• Molecule 48: 30S ribosomal protein S17



• Molecule 49: 30S ribosomal protein S18

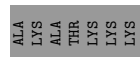
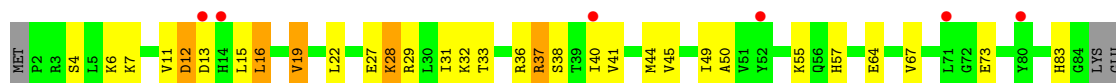


• Molecule 49: 30S ribosomal protein S18

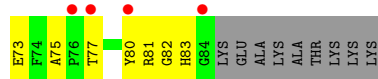
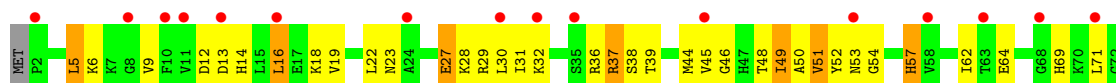




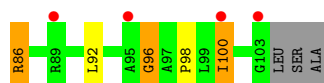
- Molecule 50: 30S ribosomal protein S19



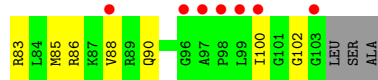
- Molecule 50: 30S ribosomal protein S19



- Molecule 51: 30S ribosomal protein S20

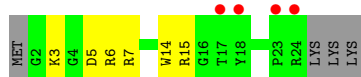


- Molecule 51: 30S ribosomal protein S20

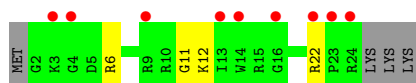


- Molecule 52: 30S ribosomal protein Thx

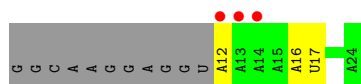




- Molecule 52: 30S ribosomal protein Thx



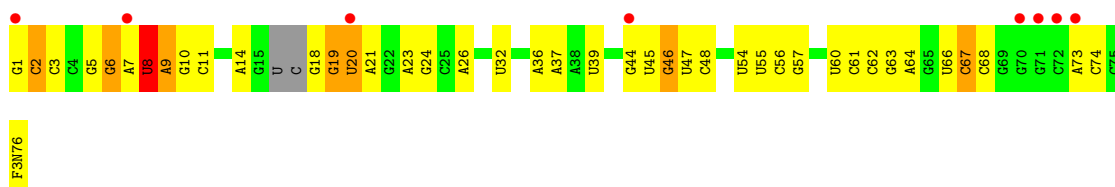
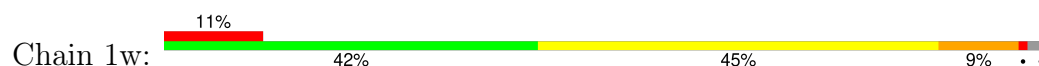
- Molecule 53: MF-mRNA



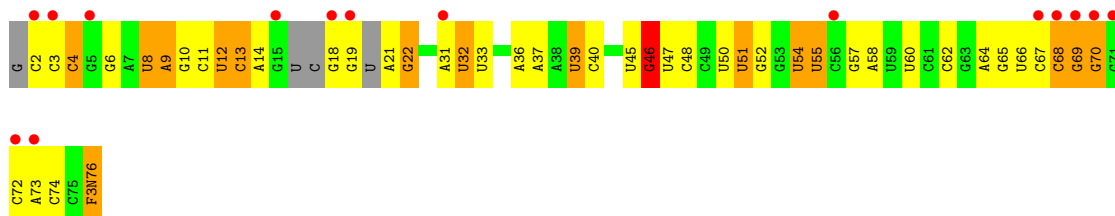
- Molecule 53: MF-mRNA



- Molecule 54: A-site Aminoacyl-tRNA Phe-NH-tRNA_{phe}



- Molecule 54: A-site Aminoacyl-tRNA Phe-NH-tRNA_{phe}

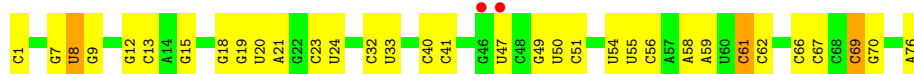


- Molecule 55: P-site Peptidyl-tRNA fMSEAC-NH-tRNA_{met} RNA-part

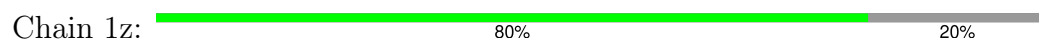




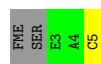
- Molecule 55: P-site Peptidyl-tRNA fMSEAC-NH-tRNA^{met} RNA-part



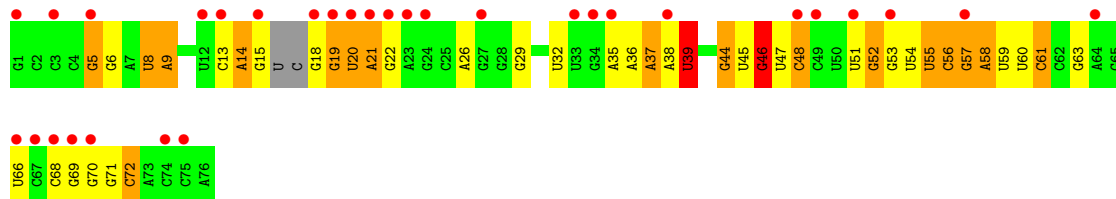
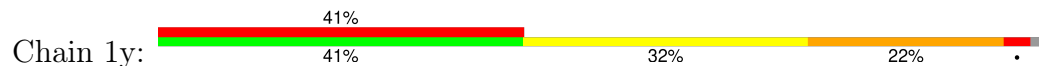
- Molecule 56: P-site Peptidyl-tRNA fMSEAC-NH-tRNA^{met} Peptide-part



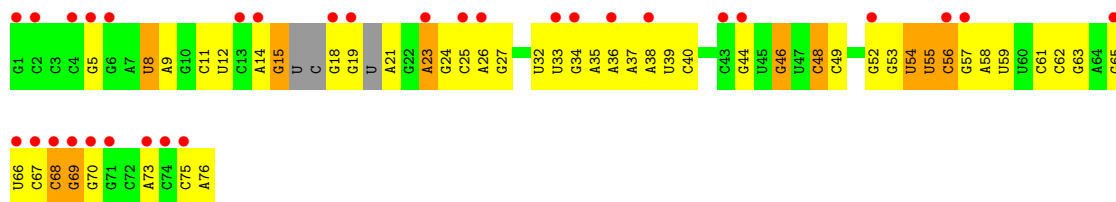
- Molecule 56: P-site Peptidyl-tRNA fMSEAC-NH-tRNA^{met} Peptide-part



- Molecule 57: E-site Deacylated tRNA^{phe}



- Molecule 57: E-site Deacylated tRNA^{phe}



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	210.47Å 451.32Å 627.74Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	109.89 – 2.40 109.89 – 2.40	Depositor EDS
% Data completeness (in resolution range)	98.1 (109.89-2.40) 98.1 (109.89-2.40)	Depositor EDS
R_{merge}	0.16	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.23 (at 2.40Å)	Xtriage
Refinement program	PHENIX 1.8.2	Depositor
R, R_{free}	0.246 , 0.295 0.247 , 0.295	Depositor DCC
R_{free} test set	112777 reflections (4.92%)	wwPDB-VP
Wilson B-factor (Å ²)	42.3	Xtriage
Anisotropy	0.131	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.32 , 52.0	EDS
L-test for twinning ²	$\langle L \rangle = 0.34$, $\langle L^2 \rangle = 0.17$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.89	EDS
Total number of atoms	299959	wwPDB-VP
Average B, all atoms (Å ²)	50.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.72% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality ⓘ

5.1 Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: ZN, 5MU, 4SU, 2MA, SF4, 5MC, F3N, 4OC, UR3, K, MG, OMC, MA6, 8AN, OMG, G7M, M2G, 2MG, PSU, 0TD, MIA, OMU

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	1A	0.28	0/69011	0.48	1/107720 (0.0%)
1	2A	0.21	0/67295	0.41	1/105042 (0.0%)
2	1B	0.22	0/2882	0.41	0/4494
2	2B	0.19	0/2879	0.38	0/4487
3	1D	0.26	0/2186	0.50	0/2944
3	2D	0.23	0/2186	0.46	0/2944
4	1E	0.28	0/1592	0.50	0/2149
4	2E	0.21	0/1592	0.49	1/2149 (0.0%)
5	1F	0.27	0/1618	0.50	0/2191
5	2F	0.22	0/1614	0.48	2/2186 (0.1%)
6	1G	0.22	0/1448	0.46	0/1957
6	2G	0.18	0/1453	0.46	1/1963 (0.1%)
7	1H	0.23	0/1356	0.44	0/1834
7	2H	0.18	0/1356	0.37	0/1834
8	1I	0.20	0/1112	0.43	0/1514
8	2I	0.21	0/1079	0.46	0/1475
9	1N	0.28	0/1144	0.49	0/1543
9	2N	0.20	0/1144	0.40	0/1543
10	1O	0.25	0/943	0.48	0/1269
10	2O	0.22	0/943	0.42	0/1269
11	1P	0.26	0/1152	0.54	0/1533
11	2P	0.21	0/1152	0.51	0/1533
12	1Q	0.26	0/1143	0.48	0/1527
12	2Q	0.22	0/1143	0.46	0/1527
13	1R	0.30	0/982	0.54	0/1312
13	2R	0.22	0/982	0.44	0/1312
14	1S	0.23	0/883	0.50	0/1176
14	2S	0.21	0/880	0.45	0/1172
15	1T	0.23	0/1105	0.50	0/1477
15	2T	0.21	0/1097	0.46	0/1468
16	1U	0.28	0/977	0.50	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2U	0.20	0/977	0.42	0/1301
17	1V	0.26	0/782	0.50	0/1049
17	2V	0.19	0/782	0.42	0/1049
18	1W	0.28	0/897	0.48	0/1205
18	2W	0.21	0/897	0.41	0/1205
19	1X	0.26	0/764	0.52	2/1025 (0.2%)
19	2X	0.22	0/764	0.55	2/1025 (0.2%)
20	1Y	0.23	0/819	0.47	0/1095
20	2Y	0.20	0/819	0.43	0/1095
21	1Z	0.23	0/1267	0.47	0/1717
21	2Z	0.22	0/1299	0.48	0/1763
22	10	0.26	0/662	0.50	0/881
22	20	0.19	0/662	0.44	0/881
23	11	0.24	0/762	0.44	0/1014
23	21	0.20	0/762	0.42	0/1014
24	12	0.24	0/590	0.42	0/781
24	22	0.21	0/590	0.41	0/781
25	13	0.29	0/474	0.49	0/635
25	23	0.19	0/469	0.43	0/630
26	14	0.25	0/565	0.57	0/761
26	24	0.23	0/545	0.50	0/737
27	15	0.30	0/469	0.58	0/635
27	25	0.22	0/469	0.45	0/635
28	16	0.25	0/460	0.45	0/613
28	26	0.20	0/456	0.44	0/608
29	17	0.31	0/426	0.57	0/561
29	27	0.25	0/426	0.46	0/561
30	18	0.26	0/525	0.49	0/691
30	28	0.20	0/525	0.40	0/691
31	19	0.28	0/310	0.50	0/407
31	29	0.20	0/310	0.43	0/407
32	1a	0.20	0/35795	0.40	2/55864 (0.0%)
32	2a	0.20	1/35886 (0.0%)	0.38	0/56005
33	1b	0.21	0/1881	0.49	1/2542 (0.0%)
33	2b	0.20	0/1860	0.46	0/2518
34	1c	0.20	0/1572	0.41	0/2126
34	2c	0.20	0/1566	0.42	0/2119
35	1d	0.20	0/1685	0.45	0/2262
35	2d	0.19	0/1704	0.43	0/2284
36	1e	0.21	0/1145	0.47	0/1543
36	2e	0.20	0/1149	0.51	2/1548 (0.1%)
37	1f	0.20	0/823	0.44	0/1115
37	2f	0.20	0/829	0.40	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1g	0.19	0/1250	0.43	0/1679
38	2g	0.19	0/1254	0.42	0/1683
39	1h	0.20	0/1108	0.41	0/1494
39	2h	0.20	0/1108	0.41	0/1494
40	1i	0.20	0/1002	0.50	0/1346
40	2i	0.23	0/997	0.51	0/1343
41	1j	0.20	0/722	0.45	0/982
41	2j	0.22	0/727	0.44	0/988
42	1k	0.19	0/844	0.42	0/1145
42	2k	0.19	0/848	0.40	0/1149
43	1l	0.23	0/937	0.46	0/1260
43	2l	0.20	0/937	0.42	0/1260
44	1m	0.20	0/969	0.50	0/1302
44	2m	0.20	0/961	0.47	0/1291
45	1n	0.21	0/501	0.44	0/664
45	2n	0.21	0/501	0.46	0/664
46	1o	0.19	0/739	0.39	0/985
46	2o	0.18	0/739	0.40	0/985
47	1p	0.19	0/697	0.45	0/939
47	2p	0.20	0/693	0.46	0/935
48	1q	0.20	0/836	0.44	0/1117
48	2q	0.20	0/836	0.44	0/1117
49	1r	0.20	0/560	0.41	0/746
49	2r	0.19	0/560	0.44	0/746
50	1s	0.21	0/667	0.49	0/900
50	2s	0.26	0/661	0.61	1/893 (0.1%)
51	1t	0.20	0/730	0.50	0/965
51	2t	0.21	0/729	0.45	0/965
52	1u	0.21	0/203	0.51	0/266
52	2u	0.21	0/203	0.49	0/266
53	1v	0.20	0/310	0.32	0/480
53	2v	0.20	0/310	0.34	0/480
54	1w	0.30	1/1581 (0.1%)	0.46	0/2458
54	2w	0.30	2/1531 (0.1%)	0.42	0/2379
55	1x	0.28	0/1723	0.42	0/2684
55	2x	0.25	1/1723 (0.1%)	0.40	0/2684
56	1z	0.43	0/25	0.64	0/32
56	2z	0.22	0/19	0.36	0/24
57	1y	0.32	1/1606 (0.1%)	0.43	0/2497
57	2y	0.32	2/1583 (0.1%)	0.43	0/2459
All	All	0.23	8/316678 (0.0%)	0.44	16/474093 (0.0%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if

the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
33	1b	0	1
44	2m	0	1
All	All	0	2

The worst 5 of 8 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
54	2w	46	G7M	O3'-P	5.48	1.61	1.56
57	2y	46	G7M	O3'-P	5.43	1.61	1.56
57	2y	8	4SU	O3'-P	5.29	1.61	1.56
55	2x	8	4SU	O3'-P	5.25	1.61	1.56
57	1y	46	G7M	O3'-P	5.24	1.61	1.56

The worst 5 of 16 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
4	2E	34	VAL	N-CA-C	-9.41	103.55	112.96
1	1A	1992	G	C2'-C3'-O3'	6.64	119.47	109.50
33	1b	18	GLY	N-CA-C	5.93	119.49	111.72
19	2X	94	GLY	CA-C-N	5.70	131.96	121.70
19	2X	94	GLY	C-N-CA	5.70	131.96	121.70

There are no chirality outliers.

All (2) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
33	1b	125	PRO	Peptide
44	2m	106	ASN	Peptide

5.2 Too-close contacts ⓘ

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61852	0	31193	557	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	2A	60322	0	30424	662	0
2	1B	2577	0	1305	17	0
2	2B	2575	0	1303	34	0
3	1D	2136	0	2218	42	0
3	2D	2136	0	2218	37	0
4	1E	1559	0	1617	23	0
4	2E	1559	0	1618	25	0
5	1F	1583	0	1625	31	0
5	2F	1579	0	1619	54	0
6	1G	1423	0	1436	32	0
6	2G	1428	0	1438	61	0
7	1H	1330	0	1407	23	0
7	2H	1330	0	1407	33	0
8	1I	1097	0	1140	25	0
8	2I	1064	0	1082	39	0
9	1N	1117	0	1184	16	0
9	2N	1117	0	1184	24	0
10	1O	933	0	996	20	0
10	2O	933	0	996	19	0
11	1P	1135	0	1212	21	0
11	2P	1135	0	1212	36	0
12	1Q	1122	0	1179	11	0
12	2Q	1122	0	1179	27	0
13	1R	968	0	1033	19	0
13	2R	968	0	1033	17	0
14	1S	873	0	927	14	0
14	2S	870	0	923	41	0
15	1T	1091	0	1151	18	0
15	2T	1083	0	1136	36	0
16	1U	959	0	1019	9	0
16	2U	959	0	1019	25	0
17	1V	771	0	830	4	0
17	2V	771	0	830	15	0
18	1W	886	0	939	17	0
18	2W	886	0	940	12	0
19	1X	750	0	814	11	0
19	2X	750	0	813	24	0
20	1Y	806	0	881	17	0
20	2Y	806	0	881	16	0
21	1Z	1240	0	1240	25	0
21	2Z	1271	0	1273	42	0
22	10	653	0	674	9	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
22	20	653	0	674	14	0
23	11	755	0	826	11	0
23	21	755	0	826	21	0
24	12	588	0	643	3	0
24	22	588	0	643	16	0
25	13	469	0	518	11	0
25	23	464	0	514	9	0
26	14	552	0	533	26	0
26	24	532	0	503	25	0
27	15	455	0	465	7	0
27	25	455	0	465	4	0
28	16	453	0	473	10	0
28	26	449	0	469	11	0
29	17	418	0	467	4	0
29	27	418	0	467	9	0
30	18	517	0	582	10	0
30	28	517	0	582	16	0
31	19	307	0	335	3	0
31	29	307	0	335	6	0
32	1a	32246	0	16294	380	0
32	2a	32327	0	16338	483	0
33	1b	1846	0	1867	60	0
33	2b	1825	0	1828	69	0
34	1c	1548	0	1535	42	0
34	2c	1542	0	1517	45	0
35	1d	1655	0	1672	56	0
35	2d	1674	0	1714	57	0
36	1e	1129	0	1185	30	0
36	2e	1133	0	1191	32	0
37	1f	810	0	804	19	0
37	2f	816	0	808	26	0
38	1g	1231	0	1238	22	0
38	2g	1235	0	1248	41	0
39	1h	1088	0	1126	29	0
39	2h	1088	0	1126	27	0
40	1i	983	0	986	35	0
40	2i	978	0	966	37	0
41	1j	709	0	650	21	0
41	2j	714	0	672	39	0
42	1k	829	0	825	14	0
42	2k	833	0	834	11	0
43	1l	932	0	981	13	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
43	2l	932	0	981	19	0
44	1m	958	0	1002	28	0
44	2m	950	0	988	33	0
45	1n	492	0	529	11	0
45	2n	492	0	529	19	0
46	1o	728	0	760	16	0
46	2o	728	0	760	21	0
47	1p	681	0	697	20	0
47	2p	677	0	686	20	0
48	1q	823	0	891	13	0
48	2q	823	0	891	13	0
49	1r	555	0	618	10	0
49	2r	555	0	618	26	0
50	1s	652	0	662	20	0
50	2s	646	0	644	34	0
51	1t	728	0	798	26	0
51	2t	727	0	796	25	0
52	1u	199	0	208	5	0
52	2u	199	0	208	2	0
53	1v	277	0	140	3	0
53	2v	277	0	140	3	0
54	1w	1603	0	828	20	0
54	2w	1555	0	797	27	0
55	1x	1646	0	838	19	0
55	2x	1646	0	838	16	0
56	1z	26	0	20	0	0
56	2z	20	0	15	1	0
57	1y	1585	0	803	32	0
57	2y	1565	0	793	39	0
58	10	7	0	0	0	0
58	11	6	0	0	0	0
58	12	2	0	0	0	0
58	13	6	0	0	0	0
58	14	1	0	0	0	0
58	15	7	0	0	0	0
58	16	2	0	0	0	0
58	17	5	0	0	0	0
58	18	5	0	0	0	0
58	19	1	0	0	0	0
58	1A	1108	0	0	0	0
58	1B	38	0	0	0	0
58	1D	10	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
58	1E	14	0	0	0	0
58	1F	14	0	0	0	0
58	1G	5	0	0	0	0
58	1H	1	0	0	0	0
58	1I	1	0	0	0	0
58	1N	5	0	0	0	0
58	1O	5	0	0	0	0
58	1P	4	0	0	0	0
58	1Q	8	0	0	0	0
58	1R	3	0	0	0	0
58	1S	3	0	0	0	0
58	1T	3	0	0	0	0
58	1U	11	0	0	0	0
58	1V	6	0	0	0	0
58	1W	4	0	0	0	0
58	1X	6	0	0	0	0
58	1Y	3	0	0	0	0
58	1Z	3	0	0	0	0
58	1a	213	0	0	0	0
58	1b	1	0	0	0	0
58	1d	1	0	0	0	0
58	1e	2	0	0	0	0
58	1f	2	0	0	0	0
58	1k	1	0	0	0	0
58	1l	2	0	0	0	0
58	1m	1	0	0	0	0
58	1n	2	0	0	0	0
58	1t	1	0	0	0	0
58	1v	1	0	0	0	0
58	1w	9	0	0	0	0
58	1x	12	0	0	0	0
58	20	3	0	0	0	0
58	21	1	0	0	0	0
58	23	3	0	0	0	0
58	25	6	0	0	0	0
58	27	3	0	0	0	0
58	28	3	0	0	0	0
58	2A	869	0	0	0	0
58	2B	19	0	0	0	0
58	2D	7	0	0	0	0
58	2E	8	0	0	0	0
58	2F	6	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
58	2G	1	0	0	0	0
58	2O	1	0	0	0	0
58	2P	1	0	0	0	0
58	2Q	2	0	0	0	0
58	2R	2	0	0	0	0
58	2T	3	0	0	0	0
58	2U	2	0	0	0	0
58	2V	2	0	0	0	0
58	2W	2	0	0	0	0
58	2X	2	0	0	0	0
58	2Y	1	0	0	0	0
58	2Z	1	0	0	0	0
58	2a	235	0	0	0	0
58	2d	2	0	0	0	0
58	2e	1	0	0	0	0
58	2f	2	0	0	0	0
58	2g	1	0	0	0	0
58	2i	1	0	0	0	0
58	2j	1	0	0	0	0
58	2k	1	0	0	0	0
58	2l	4	0	0	0	0
58	2n	1	0	0	0	0
58	2p	1	0	0	0	0
58	2q	2	0	0	0	0
58	2r	1	0	0	0	0
58	2t	1	0	0	0	0
58	2v	4	0	0	0	0
58	2w	4	0	0	0	0
58	2x	6	0	0	0	0
58	2y	1	0	0	0	0
59	1A	1	0	0	0	0
59	2x	1	0	0	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

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
60	2Y	1	0	0	0	0
60	2n	1	0	0	0	0
61	1d	8	0	0	2	0
61	2d	8	0	0	0	0
62	10	13	0	0	1	0
62	11	12	0	0	0	0
62	12	3	0	0	0	0
62	13	4	0	0	0	0
62	14	1	0	0	0	0
62	15	6	0	0	0	0
62	16	2	0	0	0	0
62	17	10	0	0	1	0
62	18	8	0	0	0	0
62	1A	1956	0	0	90	0
62	1B	62	0	0	1	0
62	1D	27	0	0	0	0
62	1E	28	0	0	1	0
62	1F	22	0	0	0	0
62	1G	3	0	0	1	0
62	1H	2	0	0	0	0
62	1N	4	0	0	1	0
62	1O	5	0	0	0	0
62	1P	21	0	0	1	0
62	1Q	6	0	0	0	0
62	1R	11	0	0	1	0
62	1S	4	0	0	0	0
62	1T	7	0	0	0	0
62	1U	11	0	0	0	0
62	1V	8	0	0	0	0
62	1W	8	0	0	0	0
62	1X	5	0	0	1	0
62	1Y	3	0	0	1	0
62	1Z	1	0	0	0	0
62	1a	326	0	0	21	0
62	1b	1	0	0	0	0
62	1e	1	0	0	0	0
62	1f	1	0	0	0	0
62	1g	1	0	0	0	0
62	1i	1	0	0	0	0
62	1l	4	0	0	0	0
62	1m	1	0	0	0	0
62	1o	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
62	1p	1	0	0	0	0
62	1q	2	0	0	0	0
62	1u	1	0	0	1	0
62	1v	5	0	0	0	0
62	1w	8	0	0	0	0
62	1x	9	0	0	1	0
62	1y	1	0	0	0	0
62	1z	1	0	0	0	0
62	20	3	0	0	0	0
62	21	10	0	0	1	0
62	22	1	0	0	0	0
62	23	1	0	0	0	0
62	25	2	0	0	0	0
62	27	4	0	0	0	0
62	28	3	0	0	0	0
62	29	1	0	0	0	0
62	2A	1067	0	0	68	0
62	2B	22	0	0	1	0
62	2D	26	0	0	2	0
62	2E	17	0	0	1	0
62	2F	13	0	0	0	0
62	2N	1	0	0	0	0
62	2O	1	0	0	0	0
62	2P	10	0	0	1	0
62	2Q	2	0	0	0	0
62	2R	4	0	0	0	0
62	2T	4	0	0	0	0
62	2U	2	0	0	0	0
62	2W	2	0	0	0	0
62	2X	4	0	0	0	0
62	2Y	1	0	0	0	0
62	2Z	1	0	0	0	0
62	2a	225	0	0	20	0
62	2c	1	0	0	0	0
62	2d	1	0	0	0	0
62	2e	2	0	0	0	0
62	2i	1	0	0	0	0
62	2j	3	0	0	2	0
62	2l	6	0	0	0	0
62	2p	2	0	0	0	0
62	2r	1	0	0	0	0
62	2t	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
62	2v	1	0	0	0	0
62	2w	5	0	0	0	0
62	2x	3	0	0	0	0
62	2z	1	0	0	1	0
All	All	299959	0	196751	3987	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 8.

The worst 5 of 3987 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	1.27	1.30
1:2A:2143:C:N4	1:2A:2148:G:H1	1.35	1.22
1:1A:1082:U:O4	1:1A:1086:A:N1	1.87	1.05
1:2A:2137:C:H42	1:2A:2154:G:H1	1.04	1.00
32:2a:1025:U:H3	32:2a:1036:G:H1	1.06	0.99

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	1D	273/276 (99%)	255 (93%)	18 (7%)	0	100	100
3	2D	273/276 (99%)	255 (93%)	18 (7%)	0	100	100
4	1E	202/206 (98%)	190 (94%)	10 (5%)	2 (1%)	12	20
4	2E	202/206 (98%)	188 (93%)	13 (6%)	1 (0%)	24	37
5	1F	200/210 (95%)	194 (97%)	5 (2%)	1 (0%)	24	37
5	2F	200/210 (95%)	178 (89%)	18 (9%)	4 (2%)	6	7

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
6	1G	179/182 (98%)	162 (90%)	16 (9%)	1 (1%)	21	32
6	2G	179/182 (98%)	155 (87%)	19 (11%)	5 (3%)	4	3
7	1H	172/180 (96%)	160 (93%)	11 (6%)	1 (1%)	21	32
7	2H	172/180 (96%)	155 (90%)	15 (9%)	2 (1%)	10	16
8	1I	144/148 (97%)	126 (88%)	17 (12%)	1 (1%)	18	28
8	2I	144/148 (97%)	121 (84%)	22 (15%)	1 (1%)	18	28
9	1N	138/140 (99%)	135 (98%)	2 (1%)	1 (1%)	18	28
9	2N	138/140 (99%)	129 (94%)	8 (6%)	1 (1%)	18	28
10	1O	120/122 (98%)	112 (93%)	8 (7%)	0	100	100
10	2O	120/122 (98%)	112 (93%)	8 (7%)	0	100	100
11	1P	147/150 (98%)	129 (88%)	15 (10%)	3 (2%)	6	7
11	2P	147/150 (98%)	129 (88%)	12 (8%)	6 (4%)	2	2
12	1Q	139/141 (99%)	131 (94%)	8 (6%)	0	100	100
12	2Q	139/141 (99%)	125 (90%)	14 (10%)	0	100	100
13	1R	116/118 (98%)	111 (96%)	5 (4%)	0	100	100
13	2R	116/118 (98%)	112 (97%)	4 (3%)	0	100	100
14	1S	108/112 (96%)	106 (98%)	2 (2%)	0	100	100
14	2S	108/112 (96%)	97 (90%)	10 (9%)	1 (1%)	14	22
15	1T	129/146 (88%)	121 (94%)	6 (5%)	2 (2%)	7	11
15	2T	129/146 (88%)	121 (94%)	8 (6%)	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%)	93 (94%)	4 (4%)	2 (2%)	6	7
17	2V	99/101 (98%)	91 (92%)	7 (7%)	1 (1%)	12	20
18	1W	110/113 (97%)	109 (99%)	1 (1%)	0	100	100
18	2W	110/113 (97%)	109 (99%)	1 (1%)	0	100	100
19	1X	93/96 (97%)	90 (97%)	2 (2%)	1 (1%)	11	18
19	2X	93/96 (97%)	88 (95%)	4 (4%)	1 (1%)	11	18
20	1Y	105/110 (96%)	97 (92%)	8 (8%)	0	100	100
20	2Y	105/110 (96%)	95 (90%)	10 (10%)	0	100	100
21	1Z	148/206 (72%)	135 (91%)	11 (7%)	2 (1%)	9	13

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
21	2Z	156/206 (76%)	127 (81%)	29 (19%)	0	100	100
22	10	81/85 (95%)	79 (98%)	2 (2%)	0	100	100
22	20	81/85 (95%)	78 (96%)	3 (4%)	0	100	100
23	11	95/98 (97%)	91 (96%)	3 (3%)	1 (1%)	11	18
23	21	95/98 (97%)	91 (96%)	3 (3%)	1 (1%)	11	18
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%)	57 (100%)	0	0	100	100
25	23	57/60 (95%)	54 (95%)	3 (5%)	0	100	100
26	14	67/71 (94%)	54 (81%)	8 (12%)	5 (8%)	1	0
26	24	67/71 (94%)	50 (75%)	14 (21%)	3 (4%)	2	1
27	15	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
27	25	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
28	16	51/54 (94%)	50 (98%)	1 (2%)	0	100	100
28	26	51/54 (94%)	48 (94%)	3 (6%)	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%)	62 (100%)	0	0	100	100
30	28	62/65 (95%)	61 (98%)	1 (2%)	0	100	100
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	35 (100%)	0	0	100	100
33	1b	229/256 (90%)	195 (85%)	28 (12%)	6 (3%)	4	4
33	2b	229/256 (90%)	195 (85%)	30 (13%)	4 (2%)	7	10
34	1c	204/239 (85%)	188 (92%)	16 (8%)	0	100	100
34	2c	204/239 (85%)	176 (86%)	27 (13%)	1 (0%)	24	37
35	1d	206/209 (99%)	189 (92%)	16 (8%)	1 (0%)	24	37
35	2d	206/209 (99%)	190 (92%)	16 (8%)	0	100	100
36	1e	146/162 (90%)	132 (90%)	11 (8%)	3 (2%)	5	7
36	2e	146/162 (90%)	132 (90%)	13 (9%)	1 (1%)	18	28
37	1f	98/101 (97%)	94 (96%)	4 (4%)	0	100	100
37	2f	98/101 (97%)	95 (97%)	3 (3%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
38	1g	153/156 (98%)	136 (89%)	15 (10%)	2 (1%)	9	14
38	2g	153/156 (98%)	132 (86%)	16 (10%)	5 (3%)	3	2
39	1h	135/138 (98%)	129 (96%)	6 (4%)	0	100	100
39	2h	135/138 (98%)	128 (95%)	6 (4%)	1 (1%)	18	28
40	1i	125/128 (98%)	110 (88%)	13 (10%)	2 (2%)	7	11
40	2i	125/128 (98%)	106 (85%)	19 (15%)	0	100	100
41	1j	95/105 (90%)	84 (88%)	7 (7%)	4 (4%)	2	2
41	2j	94/105 (90%)	79 (84%)	13 (14%)	2 (2%)	5	7
42	1k	112/129 (87%)	99 (88%)	11 (10%)	2 (2%)	6	9
42	2k	112/129 (87%)	100 (89%)	11 (10%)	1 (1%)	14	22
43	1l	119/132 (90%)	113 (95%)	6 (5%)	0	100	100
43	2l	119/132 (90%)	108 (91%)	9 (8%)	2 (2%)	7	10
44	1m	121/126 (96%)	104 (86%)	15 (12%)	2 (2%)	7	10
44	2m	120/126 (95%)	103 (86%)	15 (12%)	2 (2%)	7	10
45	1n	58/61 (95%)	54 (93%)	4 (7%)	0	100	100
45	2n	58/61 (95%)	54 (93%)	3 (5%)	1 (2%)	7	10
46	1o	86/89 (97%)	82 (95%)	4 (5%)	0	100	100
46	2o	86/89 (97%)	79 (92%)	7 (8%)	0	100	100
47	1p	80/88 (91%)	77 (96%)	3 (4%)	0	100	100
47	2p	80/88 (91%)	71 (89%)	8 (10%)	1 (1%)	9	14
48	1q	97/105 (92%)	90 (93%)	6 (6%)	1 (1%)	12	20
48	2q	97/105 (92%)	87 (90%)	8 (8%)	2 (2%)	5	7
49	1r	66/88 (75%)	61 (92%)	5 (8%)	0	100	100
49	2r	66/88 (75%)	66 (100%)	0	0	100	100
50	1s	81/93 (87%)	68 (84%)	13 (16%)	0	100	100
50	2s	81/93 (87%)	65 (80%)	15 (18%)	1 (1%)	10	16
51	1t	94/106 (89%)	81 (86%)	10 (11%)	3 (3%)	3	3
51	2t	94/106 (89%)	83 (88%)	9 (10%)	2 (2%)	5	7
52	1u	21/27 (78%)	19 (90%)	2 (10%)	0	100	100
52	2u	21/27 (78%)	18 (86%)	3 (14%)	0	100	100
56	1z	2/5 (40%)	1 (50%)	1 (50%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
56	2z	1/5 (20%)	1 (100%)	0	0	100	100
All	All	11371/12138 (94%)	10427 (92%)	842 (7%)	102 (1%)	14	22

5 of 102 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
11	1P	29	LYS
21	1Z	53	ILE
23	11	3	LYS
33	1b	17	PHE
40	1i	54	ASP

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	51
3	2D	215/218 (99%)	201 (94%)	14 (6%)	15	27
4	1E	164/166 (99%)	153 (93%)	11 (7%)	15	26
4	2E	164/166 (99%)	154 (94%)	10 (6%)	17	30
5	1F	160/166 (96%)	142 (89%)	18 (11%)	5	8
5	2F	159/166 (96%)	147 (92%)	12 (8%)	12	21
6	1G	143/156 (92%)	129 (90%)	14 (10%)	7	12
6	2G	143/156 (92%)	125 (87%)	18 (13%)	4	6
7	1H	144/148 (97%)	130 (90%)	14 (10%)	8	12
7	2H	144/148 (97%)	127 (88%)	17 (12%)	5	7
8	1I	113/124 (91%)	92 (81%)	21 (19%)	1	2
8	2I	105/124 (85%)	81 (77%)	24 (23%)	1	1
9	1N	118/119 (99%)	111 (94%)	7 (6%)	18	31
9	2N	118/119 (99%)	110 (93%)	8 (7%)	14	25
10	1O	100/100 (100%)	97 (97%)	3 (3%)	36	58

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
10	2O	100/100 (100%)	97 (97%)	3 (3%)	36	58
11	1P	115/116 (99%)	104 (90%)	11 (10%)	8	12
11	2P	115/116 (99%)	105 (91%)	10 (9%)	9	16
12	1Q	111/111 (100%)	102 (92%)	9 (8%)	11	18
12	2Q	111/111 (100%)	103 (93%)	8 (7%)	13	23
13	1R	101/101 (100%)	93 (92%)	8 (8%)	11	19
13	2R	101/101 (100%)	97 (96%)	4 (4%)	28	47
14	1S	86/88 (98%)	80 (93%)	6 (7%)	14	24
14	2S	85/88 (97%)	74 (87%)	11 (13%)	4	6
15	1T	115/127 (91%)	108 (94%)	7 (6%)	17	30
15	2T	113/127 (89%)	100 (88%)	13 (12%)	5	8
16	1U	93/94 (99%)	84 (90%)	9 (10%)	8	12
16	2U	93/94 (99%)	88 (95%)	5 (5%)	20	35
17	1V	80/82 (98%)	73 (91%)	7 (9%)	9	15
17	2V	80/82 (98%)	75 (94%)	5 (6%)	16	29
18	1W	90/92 (98%)	82 (91%)	8 (9%)	9	15
18	2W	90/92 (98%)	85 (94%)	5 (6%)	19	33
19	1X	77/78 (99%)	76 (99%)	1 (1%)	61	80
19	2X	77/78 (99%)	73 (95%)	4 (5%)	21	36
20	1Y	85/91 (93%)	78 (92%)	7 (8%)	10	18
20	2Y	85/91 (93%)	73 (86%)	12 (14%)	3	4
21	1Z	135/179 (75%)	120 (89%)	15 (11%)	6	9
21	2Z	137/179 (76%)	117 (85%)	20 (15%)	3	4
22	10	65/67 (97%)	65 (100%)	0	100	100
22	20	65/67 (97%)	63 (97%)	2 (3%)	35	57
23	11	80/83 (96%)	74 (92%)	6 (8%)	12	21
23	21	80/83 (96%)	73 (91%)	7 (9%)	9	15
24	12	65/67 (97%)	61 (94%)	4 (6%)	16	29
24	22	65/67 (97%)	59 (91%)	6 (9%)	8	14
25	13	51/52 (98%)	45 (88%)	6 (12%)	5	7
25	23	50/52 (96%)	46 (92%)	4 (8%)	11	19

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
26	14	59/63 (94%)	49 (83%)	10 (17%)	2	3
26	24	53/63 (84%)	39 (74%)	14 (26%)	0	0
27	15	50/52 (96%)	44 (88%)	6 (12%)	5	7
27	25	50/52 (96%)	47 (94%)	3 (6%)	17	31
28	16	51/52 (98%)	46 (90%)	5 (10%)	7	12
28	26	50/52 (96%)	42 (84%)	8 (16%)	2	3
29	17	41/42 (98%)	37 (90%)	4 (10%)	7	12
29	27	41/42 (98%)	39 (95%)	2 (5%)	22	39
30	18	54/55 (98%)	50 (93%)	4 (7%)	13	22
30	28	54/55 (98%)	51 (94%)	3 (6%)	19	33
31	19	34/34 (100%)	32 (94%)	2 (6%)	18	31
31	29	34/34 (100%)	34 (100%)	0	100	100
33	1b	192/220 (87%)	168 (88%)	24 (12%)	4	6
33	2b	187/220 (85%)	160 (86%)	27 (14%)	3	4
34	1c	142/188 (76%)	129 (91%)	13 (9%)	8	14
34	2c	140/188 (74%)	121 (86%)	19 (14%)	3	5
35	1d	169/181 (93%)	146 (86%)	23 (14%)	3	5
35	2d	173/181 (96%)	159 (92%)	14 (8%)	11	18
36	1e	113/123 (92%)	108 (96%)	5 (4%)	25	43
36	2e	114/123 (93%)	106 (93%)	8 (7%)	14	24
37	1f	84/90 (93%)	75 (89%)	9 (11%)	6	10
37	2f	85/90 (94%)	79 (93%)	6 (7%)	13	23
38	1g	119/127 (94%)	107 (90%)	12 (10%)	7	11
38	2g	120/127 (94%)	107 (89%)	13 (11%)	6	9
39	1h	114/119 (96%)	105 (92%)	9 (8%)	11	19
39	2h	114/119 (96%)	103 (90%)	11 (10%)	8	12
40	1i	90/99 (91%)	81 (90%)	9 (10%)	7	11
40	2i	89/99 (90%)	78 (88%)	11 (12%)	4	6
41	1j	66/92 (72%)	59 (89%)	7 (11%)	6	10
41	2j	69/92 (75%)	58 (84%)	11 (16%)	2	3
42	1k	82/99 (83%)	72 (88%)	10 (12%)	5	7

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
42	2k	83/99 (84%)	74 (89%)	9 (11%)	6	9
43	1l	96/108 (89%)	90 (94%)	6 (6%)	16	29
43	2l	96/108 (89%)	87 (91%)	9 (9%)	8	13
44	1m	93/101 (92%)	82 (88%)	11 (12%)	5	7
44	2m	92/101 (91%)	79 (86%)	13 (14%)	3	4
45	1n	49/50 (98%)	43 (88%)	6 (12%)	5	7
45	2n	49/50 (98%)	47 (96%)	2 (4%)	27	46
46	1o	78/80 (98%)	71 (91%)	7 (9%)	9	15
46	2o	78/80 (98%)	73 (94%)	5 (6%)	16	28
47	1p	69/74 (93%)	62 (90%)	7 (10%)	7	11
47	2p	68/74 (92%)	62 (91%)	6 (9%)	9	15
48	1q	94/97 (97%)	87 (93%)	7 (7%)	13	22
48	2q	94/97 (97%)	88 (94%)	6 (6%)	16	28
49	1r	59/77 (77%)	56 (95%)	3 (5%)	21	37
49	2r	59/77 (77%)	52 (88%)	7 (12%)	5	7
50	1s	69/80 (86%)	61 (88%)	8 (12%)	5	8
50	2s	67/80 (84%)	57 (85%)	10 (15%)	3	3
51	1t	70/82 (85%)	61 (87%)	9 (13%)	4	6
51	2t	70/82 (85%)	66 (94%)	4 (6%)	18	33
52	1u	18/22 (82%)	16 (89%)	2 (11%)	6	9
52	2u	18/22 (82%)	18 (100%)	0	100	100
56	1z	3/3 (100%)	3 (100%)	0	100	100
56	2z	2/3 (67%)	2 (100%)	0	100	100
All	All	9308/10070 (92%)	8447 (91%)	861 (9%)	8	14

5 of 861 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
6	2G	60	LEU
16	2U	77	SER
43	2l	34	ARG
7	2H	57	ASP
6	2G	59	GLU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 137 such sidechains are listed below:

Mol	Chain	Res	Type
38	2g	11	GLN
38	2g	148	ASN
44	2m	77	ASN
38	1g	13	GLN
37	1f	100	ASN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	442 (15%)	27 (0%)
1	2A	2791/2915 (95%)	449 (16%)	25 (0%)
2	1B	119/121 (98%)	13 (10%)	0
2	2B	118/121 (97%)	23 (19%)	0
32	1a	1497/1521 (98%)	240 (16%)	0
32	2a	1501/1521 (98%)	275 (18%)	0
53	1v	12/24 (50%)	0	0
53	2v	12/24 (50%)	0	0
54	1w	71/76 (93%)	21 (29%)	0
54	2w	68/76 (89%)	23 (33%)	0
55	1x	75/77 (97%)	8 (10%)	0
55	2x	75/77 (97%)	10 (13%)	0
57	1y	72/76 (94%)	25 (34%)	0
57	2y	70/76 (92%)	19 (27%)	0
All	All	9345/9620 (97%)	1548 (16%)	52 (0%)

5 of 1548 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	10	G
1	1A	11	G
1	1A	12	U
1	1A	15	G
1	1A	34	C

5 of 52 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	2A	228	A
1	2A	856	C
1	2A	2439	A

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Mol	Chain	Res	Type
1	2A	266	G
1	2A	528	A

5.4 Non-standard residues in protein, DNA, RNA chains ⓘ

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

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# $ Z > 2$	Counts	RMSZ	# $ Z > 2$
57	MIA	2y	37	57	21,24,32	1.62	4 (19%)	30,35,47	2.07	7 (23%)
32	5MC	1a	1404	32	19,22,23	1.66	3 (15%)	26,32,35	1.13	2 (7%)
54	MIA	2w	37	54	24,27,32	2.18	5 (20%)	32,39,47	2.69	11 (34%)
1	OMG	1A	2251	1,58,55	23,26,27	1.22	3 (13%)	32,38,41	2.03	6 (18%)
57	PSU	1y	32	57	18,21,22	1.38	2 (11%)	21,30,33	1.93	4 (19%)
32	G7M	2a	527	32,58	23,26,27	1.45	3 (13%)	34,39,42	1.66	5 (14%)
1	5MU	2A	1915	1	19,22,23	1.48	5 (26%)	27,32,35	2.09	7 (25%)
1	PSU	1A	1911	1	18,21,22	1.35	2 (11%)	21,30,33	2.12	5 (23%)
1	PSU	2A	1917	1	18,21,22	1.36	2 (11%)	21,30,33	2.07	3 (14%)
55	4SU	1x	8	55	18,21,22	2.17	5 (27%)	25,30,33	1.86	6 (24%)
1	2MA	2A	2503	1,58	22,25,26	1.54	4 (18%)	32,37,40	2.42	8 (25%)
57	5MU	2y	54	57	19,22,23	1.52	5 (26%)	27,32,35	1.67	8 (29%)
1	PSU	1A	2605	1	18,21,22	1.41	3 (16%)	21,30,33	2.14	5 (23%)
57	PSU	1y	55	57	18,21,22	1.39	2 (11%)	21,30,33	2.03	4 (19%)
32	PSU	1a	516	32,58	18,21,22	1.40	2 (11%)	21,30,33	1.92	5 (23%)
32	5MC	2a	967	32	19,22,23	1.69	3 (15%)	26,32,35	1.14	3 (11%)
54	PSU	2w	55	54	18,21,22	1.38	2 (11%)	21,30,33	1.94	3 (14%)
54	PSU	1w	39	54	18,21,22	1.30	2 (11%)	21,30,33	2.02	4 (19%)
57	PSU	2y	39	57,42	18,21,22	1.38	2 (11%)	21,30,33	1.86	4 (19%)
1	5MC	2A	1962	1,58	19,22,23	1.70	3 (15%)	26,32,35	1.16	3 (11%)
32	G7M	1a	527	32	23,26,27	1.50	4 (17%)	34,39,42	1.71	5 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
54	PSU	2w	39	54	18,21,22	1.41	2 (11%)	21,30,33	1.85	4 (19%)
1	OMG	2A	2251	1,58,55	23,26,27	1.18	3 (13%)	32,38,41	2.04	8 (25%)
55	PSU	2x	55	55	18,21,22	1.35	2 (11%)	21,30,33	2.02	4 (19%)
1	OMC	2A	1920	1	19,22,23	0.80	0	25,31,34	0.96	0
1	5MC	1A	1962	1,58	19,22,23	1.66	3 (15%)	26,32,35	1.13	2 (7%)
32	MA6	1a	1518	32	23,26,27	0.43	0	33,38,41	2.04	9 (27%)
54	F3N	2w	76	54,1	33,36,37	1.46	4 (12%)	41,51,54	1.72	9 (21%)
1	OMC	1A	1920	1	19,22,23	0.84	0	25,31,34	0.87	0
32	5MC	2a	1404	32	19,22,23	1.72	3 (15%)	26,32,35	1.17	2 (7%)
54	5MU	2w	54	54	19,22,23	1.37	4 (21%)	27,32,35	1.80	5 (18%)
32	MA6	2a	1518	32	23,26,27	0.43	0	33,38,41	2.10	9 (27%)
43	0TD	1l	92	43	8,9,10	4.59	2 (25%)	6,11,13	9.08	2 (33%)
32	2MG	2a	1207	32	23,26,27	1.26	3 (13%)	33,38,41	2.16	9 (27%)
1	5MU	1A	1939	1,58	19,22,23	1.51	6 (31%)	27,32,35	2.20	6 (22%)
55	5MC	1x	32	55	19,22,23	1.57	3 (15%)	26,32,35	1.24	2 (7%)
54	4SU	2w	8	54	18,21,22	1.78	3 (16%)	25,30,33	2.52	5 (20%)
54	F3N	1w	76	54,1	33,36,37	1.43	4 (12%)	41,51,54	1.75	9 (21%)
55	5MC	2x	32	55	19,22,23	1.77	3 (15%)	26,32,35	1.34	5 (19%)
57	G7M	1y	46	57	23,26,27	1.55	4 (17%)	34,39,42	1.76	4 (11%)
54	PSU	1w	55	54	18,21,22	1.39	2 (11%)	21,30,33	1.97	3 (14%)
32	5MC	1a	967	32	19,22,23	1.67	3 (15%)	26,32,35	1.17	3 (11%)
55	5MU	1x	54	55	19,22,23	1.41	5 (26%)	27,32,35	1.94	6 (22%)
32	M2G	2a	966	32	24,27,28	1.30	4 (16%)	33,40,43	1.89	5 (15%)
57	PSU	2y	32	57	18,21,22	1.37	2 (11%)	21,30,33	2.00	4 (19%)
54	PSU	1w	32	54,58	18,21,22	1.36	2 (11%)	21,30,33	1.95	3 (14%)
57	PSU	1y	39	57	18,21,22	1.36	2 (11%)	21,30,33	1.98	4 (19%)
54	PSU	2w	32	54	18,21,22	1.41	2 (11%)	21,30,33	1.87	4 (19%)
1	OMU	1A	2552	1,58	19,22,23	1.23	3 (15%)	25,31,34	1.75	5 (20%)
57	MIA	1y	37	57	21,24,32	1.58	4 (19%)	30,35,47	2.03	7 (23%)
32	MA6	2a	1519	32	23,26,27	0.42	0	33,38,41	2.17	10 (30%)
1	PSU	2A	2605	1	18,21,22	1.33	4 (22%)	21,30,33	2.19	4 (19%)
32	5MC	2a	1407	32	19,22,23	1.62	3 (15%)	26,32,35	1.17	3 (11%)
57	5MU	1y	54	57	19,22,23	1.43	4 (21%)	27,32,35	1.91	6 (22%)
1	5MC	2A	1942	1	19,22,23	1.67	2 (10%)	26,32,35	1.13	2 (7%)
54	MIA	1w	37	54	28,31,32	2.26	6 (21%)	38,44,47	2.98	14 (36%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	5MC	1A	1942	1	19,22,23	1.60	3 (15%)	26,32,35	1.23	3 (11%)
57	4SU	1y	8	57	18,21,22	1.75	4 (22%)	25,30,33	2.14	5 (20%)
54	5MU	1w	54	54	19,22,23	1.30	3 (15%)	27,32,35	2.17	6 (22%)
57	G7M	2y	46	57	23,26,27	1.56	3 (13%)	34,39,42	1.86	4 (11%)
57	PSU	2y	55	57	18,21,22	1.40	3 (16%)	21,30,33	1.97	4 (19%)
54	G7M	1w	46	54	23,26,27	1.50	4 (17%)	34,39,42	1.70	4 (11%)
55	PSU	1x	55	55	18,21,22	1.42	2 (11%)	21,30,33	1.90	3 (14%)
32	2MG	1a	1207	32	23,26,27	1.26	3 (13%)	33,38,41	2.20	7 (21%)
1	5MU	2A	1939	1	19,22,23	1.41	6 (31%)	27,32,35	2.12	6 (22%)
55	4SU	2x	8	55	18,21,22	2.08	6 (33%)	25,30,33	1.51	4 (16%)
55	8AN	1x	76	58,56,55	21,24,25	1.50	3 (14%)	26,35,38	2.58	11 (42%)
1	PSU	2A	1911	1	18,21,22	1.36	2 (11%)	21,30,33	2.11	4 (19%)
32	5MC	1a	1400	32	19,22,23	1.63	3 (15%)	26,32,35	1.18	3 (11%)
32	M2G	1a	966	32	24,27,28	1.30	3 (12%)	33,40,43	1.93	5 (15%)
32	5MC	1a	1407	32	19,22,23	1.59	2 (10%)	26,32,35	1.15	3 (11%)
32	4OC	2a	1402	32	20,23,24	0.75	0	25,32,35	1.24	3 (12%)
32	PSU	2a	516	32	18,21,22	1.34	2 (11%)	21,30,33	2.00	4 (19%)
32	MA6	1a	1519	32	23,26,27	0.44	0	33,38,41	2.13	8 (24%)
1	2MA	1A	2503	1,58	22,25,26	1.59	5 (22%)	32,37,40	2.19	9 (28%)
43	0TD	2l	92	43	8,9,10	4.59	1 (12%)	6,11,13	3.45	3 (50%)
1	5MU	1A	1915	1	19,22,23	1.31	5 (26%)	27,32,35	2.15	7 (25%)
32	4OC	1a	1402	32	20,23,24	0.76	0	25,32,35	0.92	1 (4%)
57	4SU	2y	8	57	18,21,22	1.78	4 (22%)	25,30,33	2.09	5 (20%)
1	PSU	1A	1917	1	18,21,22	1.37	2 (11%)	21,30,33	2.07	3 (14%)
1	OMU	2A	2552	1,58	19,22,23	1.25	2 (10%)	25,31,34	1.80	5 (20%)
54	4SU	1w	8	54	18,21,22	1.97	5 (27%)	25,30,33	1.65	6 (24%)
32	UR3	2a	1498	32	19,22,23	1.02	0	26,32,35	1.73	3 (11%)
54	G7M	2w	46	54	23,26,27	1.47	3 (13%)	34,39,42	1.72	5 (14%)
55	5MU	2x	54	55	19,22,23	1.39	5 (26%)	27,32,35	2.34	6 (22%)
32	5MC	2a	1400	32	19,22,23	1.74	3 (15%)	26,32,35	1.18	2 (7%)
55	8AN	2x	76	59,58,56,55	21,24,25	1.41	3 (14%)	26,35,38	2.31	11 (42%)
32	UR3	1a	1498	32	19,22,23	1.06	1 (5%)	26,32,35	1.75	4 (15%)

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
57	MIA	2y	37	57	-	2/7/25/34	0/3/3/3
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
54	MIA	2w	37	54	-	0/11/29/34	0/3/3/3
1	OMG	1A	2251	1,58,55	-	0/9/27/28	0/3/3/3
57	PSU	1y	32	57	-	0/7/25/26	0/2/2/2
32	G7M	2a	527	32,58	-	3/7/25/26	0/3/3/3
1	5MU	2A	1915	1	-	0/7/25/26	0/2/2/2
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	1,58	-	2/7/25/26	0/3/3/3
57	5MU	2y	54	57	-	2/7/25/26	0/2/2/2
1	PSU	1A	2605	1	-	0/7/25/26	0/2/2/2
57	PSU	1y	55	57	-	2/7/25/26	0/2/2/2
32	PSU	1a	516	32,58	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
54	PSU	2w	55	54	-	0/7/25/26	0/2/2/2
54	PSU	1w	39	54	-	0/7/25/26	0/2/2/2
57	PSU	2y	39	57,42	-	0/7/25/26	0/2/2/2
1	5MC	2A	1962	1,58	-	0/7/25/26	0/2/2/2
32	G7M	1a	527	32	-	3/7/25/26	0/3/3/3
54	PSU	2w	39	54	-	1/7/25/26	0/2/2/2
1	OMG	2A	2251	1,58,55	-	0/9/27/28	0/3/3/3
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
1	OMC	2A	1920	1	-	0/9/27/28	0/2/2/2
1	5MC	1A	1962	1,58	-	0/7/25/26	0/2/2/2
32	MA6	1a	1518	32	-	0/11/29/30	0/3/3/3
54	F3N	2w	76	54,1	-	2/19/37/38	0/4/4/4
1	OMC	1A	1920	1	-	1/9/27/28	0/2/2/2
32	5MC	2a	1404	32	-	1/7/25/26	0/2/2/2
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/11/29/30	0/3/3/3
43	0TD	1l	92	43	-	2/7/12/14	-
32	2MG	2a	1207	32	-	0/9/27/28	0/3/3/3
1	5MU	1A	1939	1,58	-	0/7/25/26	0/2/2/2
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
54	4SU	2w	8	54	-	2/7/25/26	0/2/2/2
54	F3N	1w	76	54,1	-	0/19/37/38	0/4/4/4
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
57	G7M	1y	46	57	-	2/7/25/26	0/3/3/3
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
32	5MC	1a	967	32	-	0/7/25/26	0/2/2/2
55	5MU	1x	54	55	-	0/7/25/26	0/2/2/2
32	M2G	2a	966	32	-	0/11/29/30	0/3/3/3
57	PSU	2y	32	57	-	0/7/25/26	0/2/2/2
54	PSU	1w	32	54,58	-	0/7/25/26	0/2/2/2
57	PSU	1y	39	57	-	0/7/25/26	0/2/2/2
54	PSU	2w	32	54	-	2/7/25/26	0/2/2/2
1	OMU	1A	2552	1,58	-	0/9/27/28	0/2/2/2
57	MIA	1y	37	57	-	0/7/25/34	0/3/3/3
32	MA6	2a	1519	32	-	3/11/29/30	0/3/3/3
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
57	5MU	1y	54	57	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
54	MIA	1w	37	54	-	3/15/33/34	0/3/3/3
1	5MC	1A	1942	1	-	0/7/25/26	0/2/2/2
57	4SU	1y	8	57	-	2/7/25/26	0/2/2/2
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
57	G7M	2y	46	57	-	2/7/25/26	0/3/3/3
57	PSU	2y	55	57	-	1/7/25/26	0/2/2/2
54	G7M	1w	46	54	-	1/7/25/26	0/3/3/3
55	PSU	1x	55	55	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	0/9/27/28	0/3/3/3
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
55	4SU	2x	8	55	-	0/7/25/26	0/2/2/2
55	8AN	1x	76	58,56,55	-	3/7/25/26	0/3/3/3
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
32	5MC	1a	1400	32	-	2/7/25/26	0/2/2/2
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
32	4OC	2a	1402	32	-	3/9/29/30	0/2/2/2
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	3/11/29/30	0/3/3/3
1	2MA	1A	2503	1,58	-	1/7/25/26	0/3/3/3
43	0TD	2l	92	43	-	2/7/12/14	-
1	5MU	1A	1915	1	-	1/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	0/9/29/30	0/2/2/2
57	4SU	2y	8	57	-	1/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
1	OMU	2A	2552	1,58	-	0/9/27/28	0/2/2/2
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
54	G7M	2w	46	54	-	3/7/25/26	0/3/3/3
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
32	5MC	2a	1400	32	-	0/7/25/26	0/2/2/2
55	8AN	2x	76	59,58,56,55	-	3/7/25/26	0/3/3/3
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2

The worst 5 of 254 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-12.53	1.69	1.82
43	1l	92	0TD	CB-SB	-12.41	1.69	1.82
54	2w	37	MIA	C2-S10	-7.51	1.69	1.75
55	2x	32	5MC	C5-C4	6.63	1.49	1.44
54	1w	37	MIA	C13-C14	6.60	1.52	1.32

The worst 5 of 442 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
43	1l	92	0TD	CSB-SB-CB	-21.82	63.14	102.36
54	1w	37	MIA	C12-C13-C14	-10.41	108.32	127.01
54	2w	37	MIA	C5-C4-N3	-9.12	117.58	127.18
1	2A	2503	2MA	C5-C4-N3	-8.69	118.02	127.18
54	1w	37	MIA	C5-C4-N3	-8.20	118.55	127.18

There are no chirality outliers.

5 of 61 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
32	1a	1519	MA6	O4'-C4'-C5'-O5'
43	1l	92	0TD	CA-CB-SB-CSB
43	1l	92	0TD	CG-CB-SB-CSB
57	1y	46	G7M	C4'-C5'-O5'-P
43	2l	92	0TD	CG-CB-SB-CSB

There are no ring outliers.

35 monomers are involved in 51 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
32	1a	1404	5MC	1	0
55	1x	8	4SU	1	0
1	2A	2503	2MA	2	0
57	1y	55	PSU	1	0
32	2a	967	5MC	1	0
54	2w	55	PSU	1	0
54	2w	39	PSU	2	0
1	2A	1920	OMC	1	0
32	1a	1518	MA6	1	0
54	2w	76	F3N	2	0
54	2w	54	5MU	1	0
32	2a	1518	MA6	1	0
32	2a	1207	2MG	2	0
1	1A	1939	5MU	1	0
57	1y	46	G7M	2	0
32	2a	966	M2G	1	0
57	1y	39	PSU	1	0
54	2w	32	PSU	1	0
1	1A	2552	OMU	1	0
57	1y	37	MIA	1	0
32	2a	1519	MA6	1	0
57	1y	8	4SU	3	0
57	2y	46	G7M	2	0
57	2y	55	PSU	7	0
55	2x	8	4SU	1	0
55	1x	76	8AN	1	0
32	2a	1402	4OC	3	0
32	1a	1519	MA6	2	0
43	2l	92	0TD	2	0
32	1a	1402	4OC	2	0
57	2y	8	4SU	1	0
1	1A	1917	PSU	1	0
54	1w	8	4SU	1	0
54	2w	46	G7M	2	0
32	1a	1498	UR3	2	0

5.5 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

5.6 Ligand geometry

Of 2778 ligands modelled in this entry, 2776 are monoatomic - leaving 2 for Mogul analysis.

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

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

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

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

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

1 monomer is involved in 2 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
61	1d	302	SF4	2	0

5.7 Other polymers

There are no such residues in this entry.

5.8 Polymer linkage issues ⓘ

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ > 2	OWAB(Å ²)	Q < 0.9
1	1A	2860/2915 (98%)	-0.37	161 (5%) 30 26	14, 31, 78, 88	0
1	2A	2789/2915 (95%)	0.19	149 (5%) 32 28	28, 49, 76, 86	0
2	1B	120/121 (99%)	-0.26	0 100 100	25, 43, 53, 73	0
2	2B	120/121 (99%)	0.67	2 (1%) 69 65	49, 61, 68, 79	0
3	1D	275/276 (99%)	0.10	3 (1%) 78 74	18, 34, 46, 62	0
3	2D	275/276 (99%)	0.48	2 (0%) 84 81	27, 44, 56, 71	0
4	1E	204/206 (99%)	0.03	2 (0%) 79 76	14, 33, 53, 60	0
4	2E	204/206 (99%)	0.66	6 (2%) 53 50	28, 51, 60, 68	0
5	1F	202/210 (96%)	0.07	4 (1%) 65 60	15, 36, 58, 69	0
5	2F	202/210 (96%)	0.82	8 (3%) 42 38	28, 56, 66, 69	0
6	1G	181/182 (99%)	0.63	9 (4%) 34 30	33, 49, 60, 71	0
6	2G	181/182 (99%)	1.18	18 (9%) 13 9	52, 62, 70, 73	0
7	1H	174/180 (96%)	0.44	3 (1%) 69 65	32, 46, 57, 69	0
7	2H	174/180 (96%)	1.59	54 (31%) 1 1	56, 67, 74, 78	0
8	1I	146/148 (98%)	0.99	7 (4%) 35 32	39, 60, 67, 72	0
8	2I	146/148 (98%)	1.65	47 (32%) 1 1	46, 64, 73, 77	0
9	1N	140/140 (100%)	0.07	0 100 100	20, 33, 50, 57	0
9	2N	140/140 (100%)	0.98	12 (8%) 16 13	41, 54, 65, 71	0
10	1O	122/122 (100%)	0.08	1 (0%) 82 80	22, 35, 51, 57	0
10	2O	122/122 (100%)	0.66	0 100 100	41, 51, 60, 65	0
11	1P	149/150 (99%)	0.24	2 (1%) 75 71	16, 40, 57, 63	0
11	2P	149/150 (99%)	0.92	11 (7%) 20 17	30, 55, 68, 73	0
12	1Q	141/141 (100%)	0.07	0 100 100	22, 34, 47, 60	0
12	2Q	141/141 (100%)	0.99	11 (7%) 19 15	38, 54, 62, 64	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.12	0 100 100	18, 29, 40, 50	0
13	2R	118/118 (100%)	0.52	2 (1%) 69 65	35, 45, 54, 62	0
14	1S	110/112 (98%)	0.28	0 100 100	31, 42, 52, 58	0
14	2S	110/112 (98%)	1.08	10 (9%) 15 12	51, 59, 65, 68	0
15	1T	131/146 (89%)	0.25	3 (2%) 61 57	25, 38, 59, 67	0
15	2T	131/146 (89%)	0.85	5 (3%) 44 40	41, 52, 61, 66	0
16	1U	116/118 (98%)	-0.30	0 100 100	15, 25, 40, 47	0
16	2U	116/118 (98%)	0.74	3 (2%) 57 53	35, 49, 61, 67	0
17	1V	101/101 (100%)	-0.18	1 (0%) 79 76	17, 33, 48, 57	0
17	2V	101/101 (100%)	1.01	5 (4%) 34 30	35, 57, 63, 76	0
18	1W	112/113 (99%)	-0.25	0 100 100	16, 26, 42, 65	0
18	2W	112/113 (99%)	0.42	4 (3%) 46 42	34, 43, 53, 71	0
19	1X	95/96 (98%)	0.06	2 (2%) 63 59	23, 33, 49, 71	0
19	2X	95/96 (98%)	0.93	9 (9%) 14 11	39, 51, 64, 72	0
20	1Y	107/110 (97%)	0.39	1 (0%) 81 78	31, 42, 57, 66	0
20	2Y	107/110 (97%)	1.37	18 (16%) 4 3	51, 59, 68, 72	0
21	1Z	154/206 (74%)	0.89	13 (8%) 17 14	34, 53, 68, 73	0
21	2Z	160/206 (77%)	1.74	61 (38%) 1 0	51, 65, 73, 76	0
22	10	83/85 (97%)	-0.01	0 100 100	21, 32, 42, 54	0
22	20	83/85 (97%)	0.77	3 (3%) 46 42	33, 52, 60, 64	0
23	11	97/98 (98%)	0.34	1 (1%) 79 76	24, 41, 58, 61	0
23	21	97/98 (98%)	0.83	5 (5%) 33 29	33, 50, 62, 65	0
24	12	70/72 (97%)	0.22	2 (2%) 53 50	30, 41, 50, 54	0
24	22	70/72 (97%)	1.00	3 (4%) 40 36	49, 59, 67, 76	0
25	13	59/60 (98%)	-0.03	0 100 100	17, 30, 50, 56	0
25	23	59/60 (98%)	0.72	2 (3%) 48 44	46, 54, 62, 70	0
26	14	69/71 (97%)	1.19	11 (15%) 5 4	43, 61, 71, 79	0
26	24	69/71 (97%)	1.59	20 (28%) 1 1	61, 67, 75, 78	0
27	15	59/60 (98%)	-0.27	0 100 100	15, 25, 43, 52	0
27	25	59/60 (98%)	0.36	0 100 100	32, 43, 56, 66	0
28	16	53/54 (98%)	-0.01	0 100 100	29, 37, 48, 52	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.67	1 (1%) 66 62	39, 50, 58, 61	0
29	17	48/49 (97%)	-0.25	1 (2%) 63 59	16, 22, 41, 52	0
29	27	48/49 (97%)	0.41	3 (6%) 26 22	28, 38, 58, 62	0
30	18	64/65 (98%)	-0.10	0 100 100	23, 29, 36, 48	0
30	28	64/65 (98%)	0.64	0 100 100	40, 47, 54, 57	0
31	19	37/37 (100%)	-0.12	0 100 100	25, 33, 43, 48	0
31	29	37/37 (100%)	1.08	3 (8%) 18 14	48, 54, 59, 60	0
32	1a	1488/1521 (97%)	0.41	49 (3%) 49 45	32, 55, 75, 86	0
32	2a	1491/1521 (98%)	0.73	83 (5%) 30 26	43, 63, 77, 86	0
33	1b	231/256 (90%)	1.34	41 (17%) 4 3	50, 64, 70, 76	0
33	2b	231/256 (90%)	1.59	57 (24%) 2 1	59, 67, 73, 80	0
34	1c	206/239 (86%)	1.05	15 (7%) 21 17	49, 58, 65, 73	0
34	2c	206/239 (86%)	1.70	71 (34%) 1 1	57, 67, 73, 79	0
35	1d	208/209 (99%)	1.13	21 (10%) 12 9	45, 57, 64, 70	0
35	2d	208/209 (99%)	1.13	17 (8%) 17 14	49, 59, 66, 73	0
36	1e	148/162 (91%)	0.82	6 (4%) 41 37	44, 54, 62, 67	0
36	2e	148/162 (91%)	1.19	16 (10%) 11 8	53, 62, 66, 71	0
37	1f	100/101 (99%)	0.93	5 (5%) 34 30	47, 56, 63, 65	0
37	2f	100/101 (99%)	0.89	3 (3%) 52 48	48, 56, 63, 63	0
38	1g	155/156 (99%)	1.00	11 (7%) 22 18	51, 59, 69, 72	0
38	2g	155/156 (99%)	1.35	26 (16%) 4 3	56, 65, 70, 75	0
39	1h	137/138 (99%)	0.86	7 (5%) 33 30	48, 56, 62, 65	0
39	2h	137/138 (99%)	1.23	17 (12%) 8 6	53, 62, 68, 70	0
40	1i	127/128 (99%)	1.43	25 (19%) 3 2	48, 62, 68, 71	0
40	2i	127/128 (99%)	2.04	58 (45%) 0 0	57, 68, 72, 74	0
41	1j	97/105 (92%)	1.51	21 (21%) 2 2	47, 62, 69, 77	0
41	2j	96/105 (91%)	1.88	39 (40%) 0 0	57, 68, 72, 75	0
42	1k	114/129 (88%)	0.96	10 (8%) 15 12	35, 57, 63, 68	0
42	2k	114/129 (88%)	1.28	12 (10%) 11 8	48, 60, 66, 71	0
43	1l	121/132 (91%)	0.54	5 (4%) 41 37	36, 45, 55, 60	0
43	2l	121/132 (91%)	1.01	12 (9%) 13 9	46, 54, 62, 66	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	123/126 (97%)	1.18	15 (12%) 8 6	46, 58, 66, 72	0
44	2m	122/126 (96%)	1.53	25 (20%) 2 2	57, 65, 69, 72	0
45	1n	60/61 (98%)	1.48	13 (21%) 2 2	49, 55, 61, 67	0
45	2n	60/61 (98%)	2.40	35 (58%) 0 0	60, 67, 71, 73	0
46	1o	88/89 (98%)	0.95	4 (4%) 38 34	39, 53, 62, 67	0
46	2o	88/89 (98%)	1.10	11 (12%) 8 6	51, 59, 66, 69	0
47	1p	82/88 (93%)	1.41	18 (21%) 2 2	48, 58, 63, 69	0
47	2p	82/88 (93%)	1.40	12 (14%) 6 4	51, 58, 65, 68	0
48	1q	99/105 (94%)	1.05	7 (7%) 22 18	44, 57, 62, 69	0
48	2q	99/105 (94%)	1.26	13 (13%) 7 5	51, 59, 65, 67	0
49	1r	68/88 (77%)	0.92	5 (7%) 20 17	49, 56, 64, 66	0
49	2r	68/88 (77%)	0.93	3 (4%) 39 34	50, 58, 65, 67	0
50	1s	83/93 (89%)	0.97	6 (7%) 21 18	50, 58, 65, 68	0
50	2s	83/93 (89%)	1.51	20 (24%) 2 1	60, 66, 71, 74	0
51	1t	96/106 (90%)	1.21	13 (13%) 7 5	48, 58, 66, 71	0
51	2t	96/106 (90%)	1.31	18 (18%) 3 3	49, 59, 67, 71	0
52	1u	23/27 (85%)	1.46	4 (17%) 4 3	52, 56, 60, 62	0
52	2u	23/27 (85%)	1.93	9 (39%) 1 0	61, 65, 68, 71	0
53	1v	13/24 (54%)	0.67	3 (23%) 2 1	38, 44, 73, 76	0
53	2v	13/24 (54%)	1.35	4 (30%) 1 1	56, 61, 79, 89	0
54	1w	66/76 (86%)	1.15	8 (12%) 8 6	22, 69, 78, 84	0
54	2w	64/76 (84%)	1.59	15 (23%) 2 1	41, 74, 80, 86	0
55	1x	72/77 (93%)	0.41	1 (1%) 73 69	21, 53, 68, 74	0
55	2x	72/77 (93%)	0.74	2 (2%) 55 51	36, 62, 71, 78	0
56	1z	4/5 (80%)	0.18	0 100 100	22, 26, 31, 35	0
56	2z	3/5 (60%)	0.11	0 100 100	34, 34, 37, 40	0
57	1y	67/76 (88%)	1.91	31 (46%) 0 0	53, 80, 84, 85	0
57	2y	66/76 (86%)	2.01	31 (46%) 0 0	60, 80, 85, 86	0
All	All	20878/21758 (95%)	0.56	1657 (7%) 18 15	14, 54, 72, 89	0

The worst 5 of 1657 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
44	2m	124	PRO	7.1
44	1m	123	ALA	6.7
45	1n	2	ALA	6.6
45	2n	2	ALA	6.1
1	1A	2145	C	5.4

6.2 Non-standard residues in protein, DNA, RNA chains ⓘ

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
57	G7M	2y	46	24/25	0.56	0.18	73,82,88,90	0
57	G7M	1y	46	24/25	0.58	0.17	75,80,85,93	0
57	4SU	2y	8	20/21	0.59	0.18	76,87,92,101	0
57	PSU	1y	55	20/21	0.63	0.18	76,81,89,94	0
57	MIA	2y	37	22/30	0.64	0.18	68,77,91,101	0
57	MIA	1y	37	22/30	0.65	0.18	72,78,86,95	0
57	PSU	2y	39	20/21	0.68	0.19	71,79,88,94	0
57	PSU	1y	39	20/21	0.69	0.16	71,77,86,86	0
57	5MU	1y	54	21/22	0.70	0.15	72,77,84,87	0
57	4SU	1y	8	20/21	0.70	0.14	76,80,87,101	0
57	5MU	2y	54	21/22	0.70	0.17	70,78,87,101	0
57	PSU	2y	55	20/21	0.71	0.16	75,80,90,90	0
54	G7M	2w	46	24/25	0.72	0.16	61,76,89,101	0
54	G7M	1w	46	24/25	0.75	0.15	59,69,79,99	0
57	PSU	1y	32	20/21	0.76	0.16	67,75,84,84	0
57	PSU	2y	32	20/21	0.78	0.14	70,77,83,86	0
54	4SU	1w	8	20/21	0.86	0.13	68,74,81,81	0
54	PSU	2w	55	20/21	0.86	0.12	58,70,73,73	0
32	2MG	2a	1207	24/25	0.87	0.15	56,67,72,76	0
54	4SU	2w	8	20/21	0.87	0.13	70,75,81,88	0
54	PSU	2w	32	20/21	0.87	0.17	57,63,75,78	0
54	MIA	2w	37	25/30	0.89	0.14	56,64,67,85	0
55	5MU	2x	54	21/22	0.90	0.15	58,66,73,77	0
55	PSU	2x	55	20/21	0.90	0.12	59,65,72,74	0
1	5MU	2A	1915	21/22	0.90	0.13	44,55,61,62	0
43	0TD	1l	92	10/11	0.90	0.12	39,44,45,60	0
54	PSU	2w	39	20/21	0.91	0.13	57,65,71,72	0
43	0TD	2l	92	10/11	0.91	0.13	49,51,56,67	0
55	5MC	2x	32	21/22	0.91	0.15	52,58,64,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
54	5MU	2w	54	21/22	0.91	0.13	50,64,66,69	0
55	5MU	1x	54	21/22	0.91	0.12	53,58,66,73	0
32	G7M	2a	527	24/25	0.92	0.12	43,56,61,65	0
54	MIA	1w	37	29/30	0.92	0.14	33,45,54,82	0
32	M2G	2a	966	25/26	0.92	0.14	53,56,64,73	0
55	4SU	2x	8	20/21	0.92	0.13	58,63,66,68	0
1	PSU	2A	1917	20/21	0.93	0.10	48,53,59,64	0
1	5MC	2A	1942	21/22	0.93	0.10	43,50,56,57	0
32	PSU	2a	516	20/21	0.93	0.10	54,62,66,67	0
55	4SU	1x	8	20/21	0.93	0.10	49,58,65,68	0
1	PSU	2A	1911	20/21	0.93	0.10	45,53,56,57	0
55	PSU	1x	55	20/21	0.93	0.11	48,54,60,65	0
32	5MC	2a	1400	21/22	0.93	0.14	52,60,64,68	0
54	PSU	1w	32	20/21	0.93	0.12	49,55,62,62	0
32	4OC	2a	1402	22/23	0.94	0.11	46,49,54,56	0
32	5MC	2a	1407	21/22	0.94	0.11	42,45,51,53	0
32	2MG	1a	1207	24/25	0.94	0.10	49,57,61,66	0
54	5MU	1w	54	21/22	0.94	0.11	40,54,60,62	0
1	OMC	2A	1920	21/22	0.94	0.10	45,53,55,56	0
54	PSU	1w	55	20/21	0.94	0.11	42,60,65,66	0
54	PSU	1w	39	20/21	0.94	0.11	37,55,60,68	0
54	F3N	2w	76	33/34	0.94	0.11	27,35,42,46	0
32	G7M	1a	527	24/25	0.95	0.10	33,42,46,52	0
1	5MC	2A	1962	21/22	0.95	0.10	32,40,49,62	0
32	5MC	2a	1404	21/22	0.95	0.11	40,46,50,63	0
1	OMU	2A	2552	21/22	0.95	0.10	36,42,46,51	0
32	MA6	2a	1519	24/25	0.95	0.12	44,53,59,62	0
32	M2G	1a	966	25/26	0.95	0.11	41,48,52,53	0
1	5MU	1A	1915	21/22	0.95	0.08	36,42,46,47	0
32	5MC	1a	1400	21/22	0.95	0.10	36,45,48,50	0
32	5MC	2a	967	21/22	0.95	0.11	51,57,60,65	0
32	5MC	1a	1407	21/22	0.95	0.09	31,36,40,42	0
55	8AN	2x	76	22/23	0.95	0.10	31,35,41,46	0
32	5MC	1a	967	21/22	0.96	0.10	43,48,53,56	0
32	MA6	1a	1519	24/25	0.96	0.09	34,40,43,51	0
1	PSU	1A	1917	20/21	0.96	0.09	31,40,44,45	0
32	PSU	1a	516	20/21	0.96	0.09	40,51,55,56	0
55	5MC	1x	32	21/22	0.96	0.11	34,45,50,62	0
32	UR3	2a	1498	21/22	0.96	0.10	43,49,55,60	0
32	MA6	2a	1518	24/25	0.96	0.09	42,50,55,58	0
32	5MC	1a	1404	21/22	0.96	0.10	31,40,45,46	0
1	5MU	2A	1939	21/22	0.96	0.09	30,37,41,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
1	OMG	2A	2251	24/25	0.97	0.08	30,35,39,41	0
1	2MA	2A	2503	23/24	0.97	0.08	28,35,39,42	0
32	UR3	1a	1498	21/22	0.97	0.08	33,38,41,43	0
1	PSU	2A	2605	20/21	0.97	0.07	25,32,37,38	0
55	8AN	1x	76	22/23	0.97	0.07	14,19,24,25	0
32	MA6	1a	1518	24/25	0.97	0.09	33,39,44,45	0
1	PSU	1A	1911	20/21	0.97	0.08	26,40,45,47	0
1	OMC	1A	1920	21/22	0.97	0.08	30,37,42,44	0
32	4OC	1a	1402	22/23	0.97	0.08	33,37,42,46	0
1	5MC	1A	1942	21/22	0.97	0.08	23,34,40,54	0
1	PSU	1A	2605	20/21	0.97	0.08	18,23,28,28	0
1	5MC	1A	1962	21/22	0.98	0.07	27,31,35,37	0
1	2MA	1A	2503	23/24	0.98	0.06	12,16,19,21	0
1	OMU	1A	2552	21/22	0.98	0.05	16,23,27,29	0
54	F3N	1w	76	33/34	0.98	0.08	13,17,21,24	0
1	5MU	1A	1939	21/22	0.98	0.07	21,24,30,31	0
1	OMG	1A	2251	24/25	0.99	0.05	17,22,24,25	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
58	MG	1A	4072	1/1	0.45	0.28	58,58,58,58	0
58	MG	10	105	1/1	0.54	0.26	58,58,58,58	0
58	MG	2A	3683	1/1	0.59	0.25	60,60,60,60	0
58	MG	2A	3844	1/1	0.59	0.28	74,74,74,74	0
58	MG	1A	3845	1/1	0.64	0.20	60,60,60,60	0
58	MG	1A	3621	1/1	0.66	0.17	24,24,24,24	0
58	MG	1A	3659	1/1	0.67	0.10	30,30,30,30	0
58	MG	2A	3752	1/1	0.68	0.15	42,42,42,42	0
58	MG	2A	3744	1/1	0.68	0.20	66,66,66,66	0
58	MG	20	102	1/1	0.69	0.20	56,56,56,56	0
58	MG	1a	1790	1/1	0.70	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
58	MG	1A	4006	1/1	0.70	0.16	40,40,40,40	0
58	MG	2A	3823	1/1	0.71	0.17	66,66,66,66	0
58	MG	1A	3865	1/1	0.71	0.14	68,68,68,68	0
58	MG	1a	1675	1/1	0.71	0.28	62,62,62,62	0
58	MG	1A	3802	1/1	0.72	0.20	73,73,73,73	0
58	MG	2A	3580	1/1	0.74	0.16	50,50,50,50	0
58	MG	1A	3851	1/1	0.75	0.17	52,52,52,52	0
58	MG	2A	3645	1/1	0.75	0.19	39,39,39,39	0
58	MG	1A	3773	1/1	0.75	0.10	19,19,19,19	0
58	MG	1E	311	1/1	0.75	0.18	60,60,60,60	0
58	MG	1A	4076	1/1	0.76	0.15	54,54,54,54	0
58	MG	1a	1807	1/1	0.76	0.17	67,67,67,67	0
58	MG	2A	3203	1/1	0.76	0.33	67,67,67,67	0
58	MG	2A	3253	1/1	0.76	0.23	62,62,62,62	0
58	MG	2a	1816	1/1	0.76	0.17	65,65,65,65	0
58	MG	1B	216	1/1	0.77	0.12	49,49,49,49	0
58	MG	2A	3803	1/1	0.77	0.14	57,57,57,57	0
58	MG	1a	1743	1/1	0.77	0.19	77,77,77,77	0
58	MG	2A	3659	1/1	0.77	0.16	67,67,67,67	0
58	MG	1B	225	1/1	0.77	0.17	57,57,57,57	0
58	MG	2a	1662	1/1	0.77	0.36	68,68,68,68	0
58	MG	2A	3342	1/1	0.77	0.16	69,69,69,69	0
58	MG	1A	3859	1/1	0.78	0.14	60,60,60,60	0
58	MG	2A	3717	1/1	0.78	0.21	56,56,56,56	0
58	MG	2A	3320	1/1	0.78	0.17	57,57,57,57	0
58	MG	1A	3814	1/1	0.78	0.13	40,40,40,40	0
58	MG	2A	3401	1/1	0.78	0.17	65,65,65,65	0
58	MG	2A	3528	1/1	0.78	0.18	62,62,62,62	0
58	MG	1A	3904	1/1	0.78	0.12	36,36,36,36	0
58	MG	2A	3619	1/1	0.78	0.17	50,50,50,50	0
58	MG	1A	3566	1/1	0.78	0.27	71,71,71,71	0
58	MG	1A	3717	1/1	0.78	0.14	25,25,25,25	0
58	MG	2j	201	1/1	0.78	0.15	65,65,65,65	0
58	MG	2A	3650	1/1	0.79	0.19	49,49,49,49	0
58	MG	1A	3693	1/1	0.79	0.16	56,56,56,56	0
58	MG	1A	4046	1/1	0.79	0.19	49,49,49,49	0
58	MG	2A	3684	1/1	0.79	0.16	73,73,73,73	0
58	MG	2a	1644	1/1	0.79	0.32	65,65,65,65	0
58	MG	2A	3296	1/1	0.79	0.18	62,62,62,62	0
58	MG	2a	1782	1/1	0.79	0.24	70,70,70,70	0
58	MG	1A	3991	1/1	0.79	0.19	60,60,60,60	0
58	MG	2a	1833	1/1	0.79	0.18	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	4002	1/1	0.79	0.12	41,41,41,41	0
58	MG	1B	230	1/1	0.80	0.12	54,54,54,54	0
58	MG	2A	3511	1/1	0.80	0.12	46,46,46,46	0
58	MG	2A	3521	1/1	0.80	0.22	60,60,60,60	0
58	MG	2A	3788	1/1	0.80	0.20	57,57,57,57	0
58	MG	1B	236	1/1	0.80	0.14	53,53,53,53	0
58	MG	1A	3899	1/1	0.80	0.16	37,37,37,37	0
58	MG	2A	3584	1/1	0.80	0.12	59,59,59,59	0
58	MG	2A	3611	1/1	0.80	0.14	57,57,57,57	0
58	MG	28	103	1/1	0.80	0.21	54,54,54,54	0
58	MG	2a	1627	1/1	0.80	0.21	65,65,65,65	0
58	MG	1A	3701	1/1	0.80	0.12	20,20,20,20	0
58	MG	1A	3896	1/1	0.80	0.18	31,31,31,31	0
58	MG	2a	1761	1/1	0.80	0.12	63,63,63,63	0
58	MG	2A	3316	1/1	0.80	0.13	65,65,65,65	0
58	MG	1A	4070	1/1	0.80	0.17	56,56,56,56	0
58	MG	1a	1744	1/1	0.80	0.18	64,64,64,64	0
58	MG	2A	3362	1/1	0.80	0.36	68,68,68,68	0
58	MG	1A	3837	1/1	0.81	0.15	36,36,36,36	0
58	MG	2A	3348	1/1	0.81	0.10	70,70,70,70	0
58	MG	1A	3881	1/1	0.81	0.18	38,38,38,38	0
58	MG	2A	3618	1/1	0.81	0.15	39,39,39,39	0
58	MG	1A	3937	1/1	0.81	0.11	30,30,30,30	0
58	MG	2a	1663	1/1	0.81	0.17	66,66,66,66	0
58	MG	2a	1748	1/1	0.81	0.12	78,78,78,78	0
58	MG	2a	1751	1/1	0.81	0.11	73,73,73,73	0
58	MG	2A	3765	1/1	0.81	0.17	56,56,56,56	0
58	MG	1A	3953	1/1	0.81	0.08	23,23,23,23	0
58	MG	1A	3722	1/1	0.81	0.14	47,47,47,47	0
58	MG	2A	3655	1/1	0.81	0.19	58,58,58,58	0
58	MG	1E	309	1/1	0.81	0.09	21,21,21,21	0
58	MG	2A	3809	1/1	0.82	0.11	60,60,60,60	0
58	MG	1A	3777	1/1	0.82	0.11	25,25,25,25	0
58	MG	2A	3841	1/1	0.82	0.15	63,63,63,63	0
58	MG	1A	4104	1/1	0.82	0.11	44,44,44,44	0
58	MG	2A	3856	1/1	0.82	0.16	63,63,63,63	0
58	MG	1A	3783	1/1	0.82	0.08	46,46,46,46	0
58	MG	1a	1775	1/1	0.82	0.12	68,68,68,68	0
58	MG	1a	1784	1/1	0.82	0.11	40,40,40,40	0
58	MG	2a	1635	1/1	0.82	0.26	66,66,66,66	0
58	MG	1A	3645	1/1	0.82	0.15	50,50,50,50	0
58	MG	1A	3872	1/1	0.82	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
58	MG	2A	3709	1/1	0.82	0.19	71,71,71,71	0
58	MG	2a	1706	1/1	0.82	0.20	59,59,59,59	0
58	MG	2a	1722	1/1	0.82	0.14	71,71,71,71	0
58	MG	2A	3024	1/1	0.82	0.19	61,61,61,61	0
58	MG	2A	3718	1/1	0.82	0.20	59,59,59,59	0
58	MG	2a	1758	1/1	0.82	0.09	78,78,78,78	0
58	MG	2A	3559	1/1	0.82	0.17	52,52,52,52	0
58	MG	1A	3652	1/1	0.82	0.08	14,14,14,14	0
58	MG	1A	3830	1/1	0.82	0.12	50,50,50,50	0
58	MG	1A	3620	1/1	0.82	0.11	52,52,52,52	0
58	MG	1A	3356	1/1	0.82	0.13	47,47,47,47	0
58	MG	2l	204	1/1	0.82	0.11	49,49,49,49	0
58	MG	1A	3671	1/1	0.83	0.10	17,17,17,17	0
58	MG	1A	3677	1/1	0.83	0.10	37,37,37,37	0
58	MG	1A	3927	1/1	0.83	0.09	24,24,24,24	0
58	MG	2A	3282	1/1	0.83	0.13	53,53,53,53	0
58	MG	1A	3608	1/1	0.83	0.20	51,51,51,51	0
58	MG	1B	231	1/1	0.83	0.16	61,61,61,61	0
58	MG	2A	3769	1/1	0.83	0.15	38,38,38,38	0
58	MG	1B	235	1/1	0.83	0.16	50,50,50,50	0
58	MG	1A	3346	1/1	0.83	0.18	60,60,60,60	0
58	MG	1A	3102	1/1	0.83	0.12	56,56,56,56	0
58	MG	1A	3995	1/1	0.83	0.13	38,38,38,38	0
58	MG	2A	3839	1/1	0.83	0.11	57,57,57,57	0
58	MG	2A	3370	1/1	0.83	0.16	63,63,63,63	0
58	MG	2A	3843	1/1	0.83	0.14	41,41,41,41	0
58	MG	1Z	303	1/1	0.83	0.13	51,51,51,51	0
58	MG	2A	3433	1/1	0.83	0.24	53,53,53,53	0
58	MG	1A	3720	1/1	0.83	0.15	40,40,40,40	0
58	MG	18	104	1/1	0.83	0.14	43,43,43,43	0
58	MG	2a	1605	1/1	0.83	0.11	66,66,66,66	0
58	MG	2a	1613	1/1	0.83	0.16	63,63,63,63	0
58	MG	1a	1641	1/1	0.83	0.15	49,49,49,49	0
58	MG	2A	3532	1/1	0.83	0.16	59,59,59,59	0
58	MG	2A	3544	1/1	0.83	0.13	53,53,53,53	0
58	MG	1a	1672	1/1	0.83	0.18	60,60,60,60	0
58	MG	1A	3637	1/1	0.83	0.19	61,61,61,61	0
58	MG	1a	1697	1/1	0.83	0.16	56,56,56,56	0
58	MG	1a	1736	1/1	0.83	0.15	56,56,56,56	0
58	MG	1A	4030	1/1	0.83	0.12	52,52,52,52	0
58	MG	1A	3389	1/1	0.83	0.17	53,53,53,53	0
58	MG	1a	1763	1/1	0.83	0.15	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1a	1764	1/1	0.83	0.14	68,68,68,68	0
58	MG	1A	3465	1/1	0.83	0.14	56,56,56,56	0
58	MG	2a	1801	1/1	0.83	0.19	66,66,66,66	0
58	MG	2a	1802	1/1	0.83	0.20	66,66,66,66	0
58	MG	2a	1809	1/1	0.83	0.13	61,61,61,61	0
58	MG	1A	3781	1/1	0.83	0.09	25,25,25,25	0
58	MG	1A	3267	1/1	0.83	0.13	50,50,50,50	0
58	MG	1A	4096	1/1	0.83	0.18	71,71,71,71	0
58	MG	2A	3693	1/1	0.83	0.14	61,61,61,61	0
58	MG	2A	3829	1/1	0.84	0.14	37,37,37,37	0
58	MG	1a	1809	1/1	0.84	0.14	48,48,48,48	0
58	MG	1V	206	1/1	0.84	0.13	51,51,51,51	0
58	MG	2A	3587	1/1	0.84	0.12	56,56,56,56	0
58	MG	1A	4053	1/1	0.84	0.08	20,20,20,20	0
58	MG	1A	3663	1/1	0.84	0.13	34,34,34,34	0
58	MG	2B	206	1/1	0.84	0.17	60,60,60,60	0
58	MG	2B	215	1/1	0.84	0.17	59,59,59,59	0
58	MG	2R	202	1/1	0.84	0.16	55,55,55,55	0
58	MG	2A	3256	1/1	0.84	0.15	67,67,67,67	0
58	MG	2A	3265	1/1	0.84	0.14	65,65,65,65	0
58	MG	1A	3454	1/1	0.84	0.16	54,54,54,54	0
58	MG	2a	1612	1/1	0.84	0.25	66,66,66,66	0
58	MG	1A	3954	1/1	0.84	0.12	29,29,29,29	0
58	MG	2a	1624	1/1	0.84	0.13	55,55,55,55	0
58	MG	1A	3877	1/1	0.84	0.12	55,55,55,55	0
58	MG	2a	1632	1/1	0.84	0.14	55,55,55,55	0
58	MG	1A	3461	1/1	0.84	0.11	52,52,52,52	0
58	MG	1A	4001	1/1	0.84	0.11	50,50,50,50	0
58	MG	2a	1659	1/1	0.84	0.28	77,77,77,77	0
58	MG	1a	1699	1/1	0.84	0.16	57,57,57,57	0
58	MG	2A	3704	1/1	0.84	0.17	60,60,60,60	0
58	MG	1A	3226	1/1	0.84	0.20	53,53,53,53	0
58	MG	1A	3654	1/1	0.84	0.18	52,52,52,52	0
58	MG	1A	4018	1/1	0.84	0.15	42,42,42,42	0
58	MG	2A	3735	1/1	0.84	0.15	65,65,65,65	0
58	MG	1A	3782	1/1	0.84	0.08	16,16,16,16	0
58	MG	1A	4038	1/1	0.84	0.10	42,42,42,42	0
58	MG	2A	3757	1/1	0.84	0.12	36,36,36,36	0
58	MG	2A	3515	1/1	0.84	0.14	33,33,33,33	0
58	MG	1A	4045	1/1	0.84	0.12	40,40,40,40	0
58	MG	1A	3527	1/1	0.84	0.18	66,66,66,66	0
58	MG	2A	3800	1/1	0.84	0.16	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1G	204	1/1	0.84	0.15	60,60,60,60	0
58	MG	1O	204	1/1	0.84	0.14	66,66,66,66	0
58	MG	1a	1808	1/1	0.84	0.27	58,58,58,58	0
58	MG	2v	103	1/1	0.84	0.13	70,70,70,70	0
58	MG	1a	1662	1/1	0.85	0.12	48,48,48,48	0
58	MG	1A	3999	1/1	0.85	0.08	20,20,20,20	0
58	MG	2B	219	1/1	0.85	0.20	71,71,71,71	0
58	MG	2E	305	1/1	0.85	0.12	37,37,37,37	0
58	MG	1A	3749	1/1	0.85	0.11	47,47,47,47	0
58	MG	1A	3882	1/1	0.85	0.15	37,37,37,37	0
58	MG	1A	3895	1/1	0.85	0.11	47,47,47,47	0
58	MG	2a	1604	1/1	0.85	0.17	65,65,65,65	0
58	MG	1A	3570	1/1	0.85	0.15	55,55,55,55	0
58	MG	2a	1607	1/1	0.85	0.21	64,64,64,64	0
58	MG	2a	1609	1/1	0.85	0.22	61,61,61,61	0
58	MG	2A	3689	1/1	0.85	0.14	44,44,44,44	0
58	MG	1A	3312	1/1	0.85	0.12	57,57,57,57	0
58	MG	2a	1619	1/1	0.85	0.22	56,56,56,56	0
58	MG	2a	1622	1/1	0.85	0.18	62,62,62,62	0
58	MG	1A	4037	1/1	0.85	0.16	50,50,50,50	0
58	MG	1A	3612	1/1	0.85	0.14	58,58,58,58	0
58	MG	2A	3374	1/1	0.85	0.11	58,58,58,58	0
58	MG	1A	3667	1/1	0.85	0.12	44,44,44,44	0
58	MG	1A	3858	1/1	0.85	0.14	44,44,44,44	0
58	MG	2a	1649	1/1	0.85	0.23	68,68,68,68	0
58	MG	1A	3494	1/1	0.85	0.14	56,56,56,56	0
58	MG	2A	3514	1/1	0.85	0.12	51,51,51,51	0
58	MG	1V	205	1/1	0.85	0.12	49,49,49,49	0
58	MG	2a	1687	1/1	0.85	0.20	57,57,57,57	0
58	MG	1A	4069	1/1	0.85	0.09	30,30,30,30	0
58	MG	2a	1710	1/1	0.85	0.21	55,55,55,55	0
58	MG	1A	3800	1/1	0.85	0.08	42,42,42,42	0
58	MG	1A	3985	1/1	0.85	0.10	41,41,41,41	0
58	MG	2A	3799	1/1	0.85	0.12	63,63,63,63	0
58	MG	2A	3543	1/1	0.85	0.14	56,56,56,56	0
58	MG	1w	109	1/1	0.85	0.13	72,72,72,72	0
58	MG	2a	1766	1/1	0.85	0.14	55,55,55,55	0
58	MG	2A	3805	1/1	0.85	0.18	54,54,54,54	0
58	MG	2a	1796	1/1	0.85	0.13	54,54,54,54	0
58	MG	1A	3672	1/1	0.85	0.06	13,13,13,13	0
58	MG	2A	3109	1/1	0.85	0.11	72,72,72,72	0
58	MG	2a	1804	1/1	0.85	0.16	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3115	1/1	0.85	0.29	60,60,60,60	0
58	MG	1a	1610	1/1	0.85	0.15	61,61,61,61	0
58	MG	2a	1824	1/1	0.85	0.14	59,59,59,59	0
58	MG	2A	3216	1/1	0.85	0.12	54,54,54,54	0
58	MG	1a	1623	1/1	0.85	0.17	54,54,54,54	0
58	MG	1A	3806	1/1	0.85	0.07	23,23,23,23	0
58	MG	2A	3621	1/1	0.85	0.15	47,47,47,47	0
58	MG	2w	104	1/1	0.85	0.20	67,67,67,67	0
58	MG	2A	3666	1/1	0.86	0.10	57,57,57,57	0
58	MG	2A	3675	1/1	0.86	0.12	51,51,51,51	0
58	MG	1A	3831	1/1	0.86	0.08	34,34,34,34	0
58	MG	1A	3705	1/1	0.86	0.10	25,25,25,25	0
58	MG	2A	3688	1/1	0.86	0.12	51,51,51,51	0
58	MG	1A	3898	1/1	0.86	0.12	38,38,38,38	0
58	MG	1A	3074	1/1	0.86	0.18	57,57,57,57	0
58	MG	2A	3386	1/1	0.86	0.24	54,54,54,54	0
58	MG	1w	102	1/1	0.86	0.27	67,67,67,67	0
58	MG	2A	3411	1/1	0.86	0.12	59,59,59,59	0
58	MG	1A	3850	1/1	0.86	0.15	48,48,48,48	0
58	MG	2A	3720	1/1	0.86	0.12	48,48,48,48	0
58	MG	2A	3480	1/1	0.86	0.17	70,70,70,70	0
58	MG	1A	3307	1/1	0.86	0.11	36,36,36,36	0
58	MG	2A	3050	1/1	0.86	0.12	67,67,67,67	0
58	MG	2A	3063	1/1	0.86	0.14	64,64,64,64	0
58	MG	2A	3758	1/1	0.86	0.15	47,47,47,47	0
58	MG	2A	3517	1/1	0.86	0.14	59,59,59,59	0
58	MG	2a	1682	1/1	0.86	0.23	58,58,58,58	0
58	MG	1A	3798	1/1	0.86	0.07	41,41,41,41	0
58	MG	2a	1690	1/1	0.86	0.14	51,51,51,51	0
58	MG	1A	3681	1/1	0.86	0.10	38,38,38,38	0
58	MG	2A	3146	1/1	0.86	0.16	55,55,55,55	0
58	MG	2A	3185	1/1	0.86	0.13	52,52,52,52	0
58	MG	1A	3747	1/1	0.86	0.11	54,54,54,54	0
58	MG	2A	3548	1/1	0.86	0.10	40,40,40,40	0
58	MG	2a	1757	1/1	0.86	0.11	66,66,66,66	0
58	MG	2A	3205	1/1	0.86	0.13	56,56,56,56	0
58	MG	2A	3563	1/1	0.86	0.18	38,38,38,38	0
58	MG	1A	3964	1/1	0.86	0.10	49,49,49,49	0
58	MG	2a	1775	1/1	0.86	0.12	53,53,53,53	0
58	MG	1A	4058	1/1	0.86	0.10	47,47,47,47	0
58	MG	1A	3440	1/1	0.86	0.13	44,44,44,44	0
58	MG	1A	3700	1/1	0.86	0.10	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3820	1/1	0.86	0.13	57,57,57,57	0
58	MG	1a	1771	1/1	0.86	0.10	57,57,57,57	0
58	MG	2A	3868	1/1	0.86	0.18	63,63,63,63	0
58	MG	2a	1811	1/1	0.86	0.15	56,56,56,56	0
58	MG	2a	1812	1/1	0.86	0.11	58,58,58,58	0
58	MG	1A	3475	1/1	0.86	0.15	59,59,59,59	0
58	MG	2A	3623	1/1	0.86	0.09	43,43,43,43	0
58	MG	1a	1783	1/1	0.86	0.12	55,55,55,55	0
58	MG	2A	3333	1/1	0.86	0.14	48,48,48,48	0
58	MG	2l	202	1/1	0.86	0.24	62,62,62,62	0
58	MG	2A	3334	1/1	0.86	0.20	57,57,57,57	0
58	MG	1A	4085	1/1	0.86	0.11	31,31,31,31	0
58	MG	2w	103	1/1	0.86	0.23	63,63,63,63	0
58	MG	25	106	1/1	0.86	0.15	57,57,57,57	0
58	MG	2A	3576	1/1	0.87	0.14	53,53,53,53	0
58	MG	1A	3369	1/1	0.87	0.21	32,32,32,32	0
58	MG	1A	3811	1/1	0.87	0.08	36,36,36,36	0
58	MG	2B	216	1/1	0.87	0.16	46,46,46,46	0
58	MG	1a	1749	1/1	0.87	0.23	66,66,66,66	0
58	MG	2A	3603	1/1	0.87	0.19	62,62,62,62	0
58	MG	2F	303	1/1	0.87	0.19	51,51,51,51	0
58	MG	2A	3610	1/1	0.87	0.19	56,56,56,56	0
58	MG	1a	1753	1/1	0.87	0.10	45,45,45,45	0
58	MG	1A	3956	1/1	0.87	0.28	54,54,54,54	0
58	MG	2A	3288	1/1	0.87	0.26	67,67,67,67	0
58	MG	2a	1601	1/1	0.87	0.19	61,61,61,61	0
58	MG	1A	3767	1/1	0.87	0.14	57,57,57,57	0
58	MG	1a	1766	1/1	0.87	0.11	49,49,49,49	0
58	MG	2a	1606	1/1	0.87	0.27	62,62,62,62	0
58	MG	2A	3631	1/1	0.87	0.10	49,49,49,49	0
58	MG	2a	1608	1/1	0.87	0.24	67,67,67,67	0
58	MG	1a	1770	1/1	0.87	0.11	68,68,68,68	0
58	MG	2A	3646	1/1	0.87	0.14	40,40,40,40	0
58	MG	2A	3328	1/1	0.87	0.15	64,64,64,64	0
58	MG	2a	1618	1/1	0.87	0.13	60,60,60,60	0
58	MG	2A	3330	1/1	0.87	0.22	68,68,68,68	0
58	MG	2A	3332	1/1	0.87	0.15	50,50,50,50	0
58	MG	2A	3664	1/1	0.87	0.24	62,62,62,62	0
58	MG	1A	3026	1/1	0.87	0.15	50,50,50,50	0
58	MG	1A	3329	1/1	0.87	0.30	60,60,60,60	0
58	MG	2A	3341	1/1	0.87	0.12	66,66,66,66	0
58	MG	1A	3992	1/1	0.87	0.15	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2a	1646	1/1	0.87	0.15	59,59,59,59	0
58	MG	2A	3685	1/1	0.87	0.14	49,49,49,49	0
58	MG	1A	3778	1/1	0.87	0.11	30,30,30,30	0
58	MG	1A	3998	1/1	0.87	0.09	29,29,29,29	0
58	MG	2A	3691	1/1	0.87	0.17	63,63,63,63	0
58	MG	1a	1806	1/1	0.87	0.15	68,68,68,68	0
58	MG	2A	3698	1/1	0.87	0.12	53,53,53,53	0
58	MG	1A	4081	1/1	0.87	0.20	40,40,40,40	0
58	MG	1A	3166	1/1	0.87	0.15	53,53,53,53	0
58	MG	2A	3397	1/1	0.87	0.26	65,65,65,65	0
58	MG	2a	1720	1/1	0.87	0.21	64,64,64,64	0
58	MG	1A	3707	1/1	0.87	0.09	34,34,34,34	0
58	MG	1a	1629	1/1	0.87	0.13	52,52,52,52	0
58	MG	1A	3457	1/1	0.87	0.10	51,51,51,51	0
58	MG	2A	3740	1/1	0.87	0.09	45,45,45,45	0
58	MG	2A	3438	1/1	0.87	0.19	64,64,64,64	0
58	MG	2A	3445	1/1	0.87	0.15	48,48,48,48	0
58	MG	2A	3755	1/1	0.87	0.09	40,40,40,40	0
58	MG	2A	3472	1/1	0.87	0.30	63,63,63,63	0
58	MG	1a	1645	1/1	0.87	0.17	61,61,61,61	0
58	MG	2a	1788	1/1	0.87	0.16	57,57,57,57	0
58	MG	1B	207	1/1	0.87	0.15	50,50,50,50	0
58	MG	1a	1669	1/1	0.87	0.15	60,60,60,60	0
58	MG	2A	3066	1/1	0.87	0.17	50,50,50,50	0
58	MG	2A	3093	1/1	0.87	0.30	52,52,52,52	0
58	MG	1A	4003	1/1	0.87	0.13	49,49,49,49	0
58	MG	1A	3567	1/1	0.87	0.14	55,55,55,55	0
58	MG	2A	3804	1/1	0.87	0.15	66,66,66,66	0
58	MG	1a	1695	1/1	0.87	0.21	49,49,49,49	0
58	MG	2A	3542	1/1	0.87	0.18	53,53,53,53	0
58	MG	1A	3919	1/1	0.87	0.10	38,38,38,38	0
58	MG	2g	201	1/1	0.87	0.10	60,60,60,60	0
58	MG	1A	3650	1/1	0.87	0.11	35,35,35,35	0
58	MG	1A	3211	1/1	0.87	0.10	60,60,60,60	0
58	MG	2A	3553	1/1	0.87	0.12	38,38,38,38	0
58	MG	2A	3207	1/1	0.87	0.11	53,53,53,53	0
58	MG	2A	3212	1/1	0.87	0.12	57,57,57,57	0
58	MG	2A	3573	1/1	0.87	0.09	30,30,30,30	0
58	MG	1V	203	1/1	0.88	0.08	39,39,39,39	0
58	MG	2V	202	1/1	0.88	0.10	55,55,55,55	0
58	MG	1A	3335	1/1	0.88	0.12	50,50,50,50	0
58	MG	25	101	1/1	0.88	0.27	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3259	1/1	0.88	0.14	58,58,58,58	0
58	MG	1Z	301	1/1	0.88	0.20	59,59,59,59	0
58	MG	1Z	302	1/1	0.88	0.11	62,62,62,62	0
58	MG	1A	3160	1/1	0.88	0.09	49,49,49,49	0
58	MG	2A	3338	1/1	0.88	0.12	43,43,43,43	0
58	MG	1A	3020	1/1	0.88	0.13	37,37,37,37	0
58	MG	1A	3959	1/1	0.88	0.10	56,56,56,56	0
58	MG	1A	3311	1/1	0.88	0.14	47,47,47,47	0
58	MG	1A	3548	1/1	0.88	0.17	52,52,52,52	0
58	MG	1A	3867	1/1	0.88	0.08	23,23,23,23	0
58	MG	1a	1813	1/1	0.88	0.18	53,53,53,53	0
58	MG	2a	1616	1/1	0.88	0.29	64,64,64,64	0
58	MG	1d	301	1/1	0.88	0.20	59,59,59,59	0
58	MG	1a	1636	1/1	0.88	0.20	62,62,62,62	0
58	MG	2a	1620	1/1	0.88	0.16	58,58,58,58	0
58	MG	1A	3555	1/1	0.88	0.14	66,66,66,66	0
58	MG	1A	3417	1/1	0.88	0.12	45,45,45,45	0
58	MG	2a	1626	1/1	0.88	0.12	55,55,55,55	0
58	MG	2A	3420	1/1	0.88	0.15	48,48,48,48	0
58	MG	2A	3041	1/1	0.88	0.16	49,49,49,49	0
58	MG	1a	1649	1/1	0.88	0.13	56,56,56,56	0
58	MG	2a	1642	1/1	0.88	0.27	62,62,62,62	0
58	MG	1A	3436	1/1	0.88	0.24	50,50,50,50	0
58	MG	2A	3449	1/1	0.88	0.14	56,56,56,56	0
58	MG	2A	3724	1/1	0.88	0.10	53,53,53,53	0
58	MG	2a	1653	1/1	0.88	0.23	61,61,61,61	0
58	MG	2a	1657	1/1	0.88	0.16	66,66,66,66	0
58	MG	2A	3729	1/1	0.88	0.15	46,46,46,46	0
58	MG	1a	1666	1/1	0.88	0.15	57,57,57,57	0
58	MG	2A	3073	1/1	0.88	0.12	54,54,54,54	0
58	MG	2a	1674	1/1	0.88	0.14	59,59,59,59	0
58	MG	2A	3481	1/1	0.88	0.10	59,59,59,59	0
58	MG	2A	3750	1/1	0.88	0.14	65,65,65,65	0
58	MG	1A	3251	1/1	0.88	0.10	47,47,47,47	0
58	MG	2A	3105	1/1	0.88	0.20	64,64,64,64	0
58	MG	1A	4108	1/1	0.88	0.24	55,55,55,55	0
58	MG	1A	3890	1/1	0.88	0.13	24,24,24,24	0
58	MG	2A	3117	1/1	0.88	0.15	49,49,49,49	0
58	MG	2A	3123	1/1	0.88	0.24	62,62,62,62	0
58	MG	2A	3780	1/1	0.88	0.08	44,44,44,44	0
58	MG	1a	1678	1/1	0.88	0.18	49,49,49,49	0
58	MG	2A	3171	1/1	0.88	0.14	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1a	1679	1/1	0.88	0.19	55,55,55,55	0
58	MG	2A	3187	1/1	0.88	0.21	59,59,59,59	0
58	MG	2A	3191	1/1	0.88	0.30	69,69,69,69	0
58	MG	1a	1682	1/1	0.88	0.19	58,58,58,58	0
58	MG	1a	1692	1/1	0.88	0.30	60,60,60,60	0
58	MG	2A	3817	1/1	0.88	0.10	35,35,35,35	0
58	MG	1A	3725	1/1	0.88	0.16	52,52,52,52	0
58	MG	1A	3314	1/1	0.88	0.19	50,50,50,50	0
58	MG	1A	3748	1/1	0.88	0.18	37,37,37,37	0
58	MG	2A	3243	1/1	0.88	0.13	63,63,63,63	0
58	MG	1A	3825	1/1	0.88	0.11	56,56,56,56	0
58	MG	1A	4021	1/1	0.88	0.08	30,30,30,30	0
58	MG	2A	3846	1/1	0.88	0.11	48,48,48,48	0
58	MG	2a	1818	1/1	0.88	0.12	61,61,61,61	0
58	MG	2a	1820	1/1	0.88	0.19	56,56,56,56	0
58	MG	1A	3258	1/1	0.88	0.13	49,49,49,49	0
58	MG	2A	3605	1/1	0.88	0.10	30,30,30,30	0
58	MG	2d	302	1/1	0.88	0.12	58,58,58,58	0
58	MG	1A	4035	1/1	0.88	0.12	35,35,35,35	0
58	MG	1A	3751	1/1	0.88	0.10	45,45,45,45	0
58	MG	1A	3675	1/1	0.88	0.08	33,33,33,33	0
58	MG	2A	3297	1/1	0.88	0.09	38,38,38,38	0
58	MG	2n	101	1/1	0.88	0.17	60,60,60,60	0
58	MG	2q	202	1/1	0.88	0.12	57,57,57,57	0
58	MG	2A	3304	1/1	0.88	0.11	57,57,57,57	0
58	MG	2w	101	1/1	0.88	0.19	44,44,44,44	0
58	MG	1A	4041	1/1	0.88	0.13	50,50,50,50	0
58	MG	2G	201	1/1	0.88	0.12	61,61,61,61	0
58	MG	2A	3218	1/1	0.89	0.15	58,58,58,58	0
58	MG	2A	3229	1/1	0.89	0.10	44,44,44,44	0
58	MG	1A	3542	1/1	0.89	0.21	54,54,54,54	0
58	MG	1A	3173	1/1	0.89	0.16	51,51,51,51	0
58	MG	2F	302	1/1	0.89	0.09	56,56,56,56	0
58	MG	1A	3911	1/1	0.89	0.16	45,45,45,45	0
58	MG	2A	3593	1/1	0.89	0.14	58,58,58,58	0
58	MG	2Q	202	1/1	0.89	0.14	46,46,46,46	0
58	MG	2A	3596	1/1	0.89	0.09	60,60,60,60	0
58	MG	2T	202	1/1	0.89	0.21	70,70,70,70	0
58	MG	2A	3257	1/1	0.89	0.13	61,61,61,61	0
58	MG	2A	3258	1/1	0.89	0.11	51,51,51,51	0
58	MG	2A	3606	1/1	0.89	0.10	66,66,66,66	0
58	MG	2A	3262	1/1	0.89	0.16	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3661	1/1	0.89	0.10	54,54,54,54	0
58	MG	2A	3266	1/1	0.89	0.12	50,50,50,50	0
58	MG	2A	3271	1/1	0.89	0.19	64,64,64,64	0
58	MG	1A	3344	1/1	0.89	0.14	51,51,51,51	0
58	MG	1A	3931	1/1	0.89	0.09	24,24,24,24	0
58	MG	1a	1780	1/1	0.89	0.09	62,62,62,62	0
58	MG	1l	104	1/1	0.89	0.10	34,34,34,34	0
58	MG	2A	3301	1/1	0.89	0.14	67,67,67,67	0
58	MG	16	101	1/1	0.89	0.15	60,60,60,60	0
58	MG	2A	3305	1/1	0.89	0.22	53,53,53,53	0
58	MG	2A	3309	1/1	0.89	0.11	53,53,53,53	0
58	MG	2a	1617	1/1	0.89	0.13	67,67,67,67	0
58	MG	1A	3452	1/1	0.89	0.17	48,48,48,48	0
58	MG	2A	3665	1/1	0.89	0.09	59,59,59,59	0
58	MG	1a	1800	1/1	0.89	0.11	61,61,61,61	0
58	MG	2A	3670	1/1	0.89	0.12	51,51,51,51	0
58	MG	2A	3671	1/1	0.89	0.11	50,50,50,50	0
58	MG	1A	4066	1/1	0.89	0.12	46,46,46,46	0
58	MG	1A	3265	1/1	0.89	0.15	50,50,50,50	0
58	MG	1a	1625	1/1	0.89	0.19	48,48,48,48	0
58	MG	1A	3353	1/1	0.89	0.18	48,48,48,48	0
58	MG	2a	1637	1/1	0.89	0.19	57,57,57,57	0
58	MG	2a	1641	1/1	0.89	0.13	62,62,62,62	0
58	MG	1a	1630	1/1	0.89	0.21	58,58,58,58	0
58	MG	2a	1643	1/1	0.89	0.24	73,73,73,73	0
58	MG	1A	3460	1/1	0.89	0.10	44,44,44,44	0
58	MG	1A	3235	1/1	0.89	0.14	53,53,53,53	0
58	MG	2a	1647	1/1	0.89	0.14	50,50,50,50	0
58	MG	1A	3853	1/1	0.89	0.17	51,51,51,51	0
58	MG	1x	104	1/1	0.89	0.09	43,43,43,43	0
58	MG	2a	1655	1/1	0.89	0.15	58,58,58,58	0
58	MG	2A	3357	1/1	0.89	0.12	58,58,58,58	0
58	MG	2A	3706	1/1	0.89	0.09	52,52,52,52	0
58	MG	2A	3359	1/1	0.89	0.11	50,50,50,50	0
58	MG	1x	108	1/1	0.89	0.08	20,20,20,20	0
58	MG	2A	3369	1/1	0.89	0.11	51,51,51,51	0
58	MG	2a	1680	1/1	0.89	0.16	50,50,50,50	0
58	MG	2a	1681	1/1	0.89	0.25	57,57,57,57	0
58	MG	1A	3965	1/1	0.89	0.15	31,31,31,31	0
58	MG	1A	3978	1/1	0.89	0.20	49,49,49,49	0
58	MG	2A	3042	1/1	0.89	0.24	53,53,53,53	0
58	MG	2A	3045	1/1	0.89	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
58	MG	1A	4102	1/1	0.89	0.14	42,42,42,42	0
58	MG	2a	1719	1/1	0.89	0.24	68,68,68,68	0
58	MG	2A	3404	1/1	0.89	0.08	53,53,53,53	0
58	MG	1A	3617	1/1	0.89	0.09	23,23,23,23	0
58	MG	2a	1725	1/1	0.89	0.18	59,59,59,59	0
58	MG	2a	1737	1/1	0.89	0.15	53,53,53,53	0
58	MG	2a	1739	1/1	0.89	0.16	56,56,56,56	0
58	MG	1A	3690	1/1	0.89	0.12	44,44,44,44	0
58	MG	1A	3271	1/1	0.89	0.17	47,47,47,47	0
58	MG	2a	1755	1/1	0.89	0.16	51,51,51,51	0
58	MG	1A	3697	1/1	0.89	0.17	62,62,62,62	0
58	MG	2A	3104	1/1	0.89	0.10	52,52,52,52	0
58	MG	2A	3759	1/1	0.89	0.12	56,56,56,56	0
58	MG	1A	3386	1/1	0.89	0.11	52,52,52,52	0
58	MG	2a	1774	1/1	0.89	0.12	61,61,61,61	0
58	MG	1A	3784	1/1	0.89	0.13	34,34,34,34	0
58	MG	1a	1686	1/1	0.89	0.09	49,49,49,49	0
58	MG	2a	1783	1/1	0.89	0.20	60,60,60,60	0
58	MG	2A	3786	1/1	0.89	0.09	63,63,63,63	0
58	MG	2a	1793	1/1	0.89	0.22	59,59,59,59	0
58	MG	1A	3319	1/1	0.89	0.12	43,43,43,43	0
58	MG	2a	1798	1/1	0.89	0.18	51,51,51,51	0
58	MG	2A	3792	1/1	0.89	0.09	53,53,53,53	0
58	MG	2A	3797	1/1	0.89	0.12	46,46,46,46	0
58	MG	2A	3492	1/1	0.89	0.09	46,46,46,46	0
58	MG	1A	3702	1/1	0.89	0.10	25,25,25,25	0
58	MG	1A	3889	1/1	0.89	0.19	35,35,35,35	0
58	MG	1A	3296	1/1	0.89	0.12	53,53,53,53	0
58	MG	2A	3175	1/1	0.89	0.13	47,47,47,47	0
58	MG	2a	1817	1/1	0.89	0.14	65,65,65,65	0
58	MG	1A	3528	1/1	0.89	0.13	47,47,47,47	0
58	MG	2A	3812	1/1	0.89	0.08	34,34,34,34	0
58	MG	2a	1821	1/1	0.89	0.26	71,71,71,71	0
58	MG	1a	1737	1/1	0.89	0.15	57,57,57,57	0
58	MG	2A	3190	1/1	0.89	0.19	61,61,61,61	0
58	MG	2A	3541	1/1	0.89	0.20	59,59,59,59	0
58	MG	1a	1740	1/1	0.89	0.14	56,56,56,56	0
58	MG	2A	3194	1/1	0.89	0.09	52,52,52,52	0
58	MG	1F	313	1/1	0.89	0.21	34,34,34,34	0
58	MG	1A	3532	1/1	0.89	0.10	40,40,40,40	0
58	MG	2A	3551	1/1	0.89	0.07	37,37,37,37	0
58	MG	1A	3897	1/1	0.89	0.07	21,21,21,21	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2v	102	1/1	0.89	0.13	46,46,46,46	0
58	MG	2A	3859	1/1	0.89	0.15	62,62,62,62	0
58	MG	2A	3864	1/1	0.89	0.13	61,61,61,61	0
58	MG	1A	3812	1/1	0.89	0.10	54,54,54,54	0
58	MG	1a	1759	1/1	0.89	0.14	49,49,49,49	0
58	MG	2y	101	1/1	0.89	0.11	61,61,61,61	0
58	MG	1A	3549	1/1	0.90	0.15	52,52,52,52	0
58	MG	2A	3848	1/1	0.90	0.08	38,38,38,38	0
58	MG	2A	3852	1/1	0.90	0.09	41,41,41,41	0
58	MG	1A	3934	1/1	0.90	0.08	29,29,29,29	0
58	MG	1A	3655	1/1	0.90	0.14	64,64,64,64	0
58	MG	1A	3946	1/1	0.90	0.08	27,27,27,27	0
58	MG	2A	3866	1/1	0.90	0.14	40,40,40,40	0
58	MG	1A	4083	1/1	0.90	0.19	43,43,43,43	0
58	MG	2A	3869	1/1	0.90	0.17	57,57,57,57	0
58	MG	2A	3530	1/1	0.90	0.10	53,53,53,53	0
58	MG	2B	211	1/1	0.90	0.16	50,50,50,50	0
58	MG	1A	3551	1/1	0.90	0.10	46,46,46,46	0
58	MG	1A	4095	1/1	0.90	0.13	65,65,65,65	0
58	MG	1A	3731	1/1	0.90	0.09	32,32,32,32	0
58	MG	2D	307	1/1	0.90	0.12	54,54,54,54	0
58	MG	2E	303	1/1	0.90	0.21	59,59,59,59	0
58	MG	1a	1691	1/1	0.90	0.20	41,41,41,41	0
58	MG	1A	3955	1/1	0.90	0.10	45,45,45,45	0
58	MG	1a	1694	1/1	0.90	0.21	50,50,50,50	0
58	MG	2A	3201	1/1	0.90	0.14	51,51,51,51	0
58	MG	1A	3746	1/1	0.90	0.15	52,52,52,52	0
58	MG	1A	3006	1/1	0.90	0.14	50,50,50,50	0
58	MG	1A	4109	1/1	0.90	0.19	50,50,50,50	0
58	MG	2A	3566	1/1	0.90	0.13	47,47,47,47	0
58	MG	20	101	1/1	0.90	0.12	49,49,49,49	0
58	MG	1a	1728	1/1	0.90	0.15	54,54,54,54	0
58	MG	1a	1733	1/1	0.90	0.11	36,36,36,36	0
58	MG	1A	3002	1/1	0.90	0.12	56,56,56,56	0
58	MG	1A	3184	1/1	0.90	0.16	52,52,52,52	0
58	MG	1a	1739	1/1	0.90	0.13	57,57,57,57	0
58	MG	2A	3250	1/1	0.90	0.16	59,59,59,59	0
58	MG	2A	3595	1/1	0.90	0.10	59,59,59,59	0
58	MG	1A	3976	1/1	0.90	0.12	37,37,37,37	0
58	MG	1A	3250	1/1	0.90	0.15	48,48,48,48	0
58	MG	1A	3574	1/1	0.90	0.09	43,43,43,43	0
58	MG	1A	3770	1/1	0.90	0.07	15,15,15,15	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3607	1/1	0.90	0.13	56,56,56,56	0
58	MG	2A	3608	1/1	0.90	0.17	50,50,50,50	0
58	MG	1A	3771	1/1	0.90	0.09	37,37,37,37	0
58	MG	1B	238	1/1	0.90	0.07	35,35,35,35	0
58	MG	1a	1761	1/1	0.90	0.13	50,50,50,50	0
58	MG	1D	310	1/1	0.90	0.17	39,39,39,39	0
58	MG	2A	3272	1/1	0.90	0.11	60,60,60,60	0
58	MG	1A	3598	1/1	0.90	0.20	39,39,39,39	0
58	MG	2a	1623	1/1	0.90	0.12	57,57,57,57	0
58	MG	2A	3626	1/1	0.90	0.18	57,57,57,57	0
58	MG	1A	3775	1/1	0.90	0.07	23,23,23,23	0
58	MG	2A	3633	1/1	0.90	0.11	61,61,61,61	0
58	MG	2A	3636	1/1	0.90	0.12	46,46,46,46	0
58	MG	2A	3638	1/1	0.90	0.17	43,43,43,43	0
58	MG	2A	3289	1/1	0.90	0.12	61,61,61,61	0
58	MG	2A	3293	1/1	0.90	0.12	66,66,66,66	0
58	MG	1A	3873	1/1	0.90	0.07	41,41,41,41	0
58	MG	1A	4000	1/1	0.90	0.13	53,53,53,53	0
58	MG	1O	203	1/1	0.90	0.12	58,58,58,58	0
58	MG	1A	3606	1/1	0.90	0.14	56,56,56,56	0
58	MG	1O	205	1/1	0.90	0.10	48,48,48,48	0
58	MG	1A	3678	1/1	0.90	0.07	34,34,34,34	0
58	MG	1A	3337	1/1	0.90	0.12	48,48,48,48	0
58	MG	1a	1792	1/1	0.90	0.09	64,64,64,64	0
58	MG	1A	3686	1/1	0.90	0.11	19,19,19,19	0
58	MG	2A	3678	1/1	0.90	0.12	56,56,56,56	0
58	MG	2A	3680	1/1	0.90	0.12	48,48,48,48	0
58	MG	2A	3681	1/1	0.90	0.10	32,32,32,32	0
58	MG	2A	3329	1/1	0.90	0.11	53,53,53,53	0
58	MG	1A	4007	1/1	0.90	0.07	13,13,13,13	0
58	MG	1A	3609	1/1	0.90	0.15	58,58,58,58	0
58	MG	1A	3892	1/1	0.90	0.09	48,48,48,48	0
58	MG	2a	1684	1/1	0.90	0.14	54,54,54,54	0
58	MG	1A	4022	1/1	0.90	0.10	40,40,40,40	0
58	MG	2a	1688	1/1	0.90	0.10	62,62,62,62	0
58	MG	2A	3336	1/1	0.90	0.10	66,66,66,66	0
58	MG	1A	4024	1/1	0.90	0.12	43,43,43,43	0
58	MG	1b	301	1/1	0.90	0.16	66,66,66,66	0
58	MG	2a	1714	1/1	0.90	0.09	66,66,66,66	0
58	MG	2a	1716	1/1	0.90	0.15	53,53,53,53	0
58	MG	2A	3700	1/1	0.90	0.10	41,41,41,41	0
58	MG	1l	106	1/1	0.90	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
58	MG	13	106	1/1	0.90	0.09	42,42,42,42	0
58	MG	2A	3351	1/1	0.90	0.12	68,68,68,68	0
58	MG	2a	1727	1/1	0.90	0.12	53,53,53,53	0
58	MG	2a	1732	1/1	0.90	0.19	59,59,59,59	0
58	MG	2A	3710	1/1	0.90	0.18	62,62,62,62	0
58	MG	2A	3712	1/1	0.90	0.15	55,55,55,55	0
58	MG	2a	1740	1/1	0.90	0.23	38,38,38,38	0
58	MG	2a	1744	1/1	0.90	0.36	69,69,69,69	0
58	MG	2a	1746	1/1	0.90	0.12	69,69,69,69	0
58	MG	2A	3355	1/1	0.90	0.12	46,46,46,46	0
58	MG	14	101	1/1	0.90	0.13	58,58,58,58	0
58	MG	1A	3498	1/1	0.90	0.12	37,37,37,37	0
58	MG	1A	3499	1/1	0.90	0.08	41,41,41,41	0
58	MG	2A	3364	1/1	0.90	0.13	52,52,52,52	0
58	MG	2A	3365	1/1	0.90	0.12	55,55,55,55	0
58	MG	2A	3016	1/1	0.90	0.11	60,60,60,60	0
58	MG	1a	1604	1/1	0.90	0.11	54,54,54,54	0
58	MG	2A	3745	1/1	0.90	0.08	44,44,44,44	0
58	MG	1A	3300	1/1	0.90	0.19	51,51,51,51	0
58	MG	2A	3375	1/1	0.90	0.10	64,64,64,64	0
58	MG	2a	1787	1/1	0.90	0.11	59,59,59,59	0
58	MG	1a	1612	1/1	0.90	0.10	51,51,51,51	0
58	MG	2a	1789	1/1	0.90	0.20	66,66,66,66	0
58	MG	2a	1790	1/1	0.90	0.18	67,67,67,67	0
58	MG	1A	3186	1/1	0.90	0.15	62,62,62,62	0
58	MG	1A	3198	1/1	0.90	0.15	42,42,42,42	0
58	MG	2A	3403	1/1	0.90	0.14	49,49,49,49	0
58	MG	2A	3057	1/1	0.90	0.14	65,65,65,65	0
58	MG	1A	3809	1/1	0.90	0.07	13,13,13,13	0
58	MG	2a	1803	1/1	0.90	0.18	58,58,58,58	0
58	MG	1A	3905	1/1	0.90	0.08	21,21,21,21	0
58	MG	2A	3421	1/1	0.90	0.19	48,48,48,48	0
58	MG	1A	4049	1/1	0.90	0.09	56,56,56,56	0
58	MG	2A	3088	1/1	0.90	0.15	65,65,65,65	0
58	MG	2A	3795	1/1	0.90	0.10	38,38,38,38	0
58	MG	2A	3444	1/1	0.90	0.21	58,58,58,58	0
58	MG	1A	3208	1/1	0.90	0.10	51,51,51,51	0
58	MG	2a	1819	1/1	0.90	0.16	62,62,62,62	0
58	MG	2A	3448	1/1	0.90	0.12	58,58,58,58	0
58	MG	2A	3100	1/1	0.90	0.17	68,68,68,68	0
58	MG	2a	1822	1/1	0.90	0.16	44,44,44,44	0
58	MG	2A	3453	1/1	0.90	0.15	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2a	1831	1/1	0.90	0.14	55,55,55,55	0
58	MG	2A	3471	1/1	0.90	0.18	56,56,56,56	0
58	MG	1A	3546	1/1	0.90	0.15	48,48,48,48	0
58	MG	2A	3810	1/1	0.90	0.16	45,45,45,45	0
58	MG	2A	3811	1/1	0.90	0.14	47,47,47,47	0
58	MG	1A	3924	1/1	0.90	0.12	27,27,27,27	0
58	MG	1A	3458	1/1	0.90	0.13	41,41,41,41	0
58	MG	2A	3483	1/1	0.90	0.14	62,62,62,62	0
58	MG	2A	3487	1/1	0.90	0.08	54,54,54,54	0
58	MG	2t	201	1/1	0.90	0.15	48,48,48,48	0
58	MG	2A	3831	1/1	0.90	0.09	42,42,42,42	0
58	MG	2A	3833	1/1	0.90	0.08	25,25,25,25	0
58	MG	2A	3110	1/1	0.90	0.13	52,52,52,52	0
58	MG	2A	3498	1/1	0.90	0.17	71,71,71,71	0
58	MG	2A	3505	1/1	0.90	0.11	38,38,38,38	0
58	MG	2A	3114	1/1	0.90	0.24	55,55,55,55	0
58	MG	2A	3562	1/1	0.91	0.11	45,45,45,45	0
58	MG	1a	1718	1/1	0.91	0.08	49,49,49,49	0
58	MG	1a	1723	1/1	0.91	0.40	60,60,60,60	0
58	MG	2E	306	1/1	0.91	0.12	54,54,54,54	0
58	MG	1a	1725	1/1	0.91	0.10	42,42,42,42	0
58	MG	1A	3190	1/1	0.91	0.13	47,47,47,47	0
58	MG	2A	3224	1/1	0.91	0.11	52,52,52,52	0
58	MG	2O	201	1/1	0.91	0.13	57,57,57,57	0
58	MG	2A	3583	1/1	0.91	0.12	42,42,42,42	0
58	MG	2A	3225	1/1	0.91	0.08	57,57,57,57	0
58	MG	2T	201	1/1	0.91	0.11	59,59,59,59	0
58	MG	1a	1730	1/1	0.91	0.09	58,58,58,58	0
58	MG	2A	3231	1/1	0.91	0.11	38,38,38,38	0
58	MG	2A	3241	1/1	0.91	0.13	54,54,54,54	0
58	MG	1a	1732	1/1	0.91	0.09	41,41,41,41	0
58	MG	2I	101	1/1	0.91	0.23	44,44,44,44	0
58	MG	1A	3793	1/1	0.91	0.17	53,53,53,53	0
58	MG	1A	3894	1/1	0.91	0.06	33,33,33,33	0
58	MG	27	103	1/1	0.91	0.26	43,43,43,43	0
58	MG	2A	3254	1/1	0.91	0.09	50,50,50,50	0
58	MG	1E	306	1/1	0.91	0.12	53,53,53,53	0
58	MG	1A	3640	1/1	0.91	0.06	28,28,28,28	0
58	MG	1A	3229	1/1	0.91	0.08	42,42,42,42	0
58	MG	1A	4012	1/1	0.91	0.09	57,57,57,57	0
58	MG	2A	3264	1/1	0.91	0.26	59,59,59,59	0
58	MG	1A	3649	1/1	0.91	0.11	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1a	1747	1/1	0.91	0.08	46,46,46,46	0
58	MG	1G	205	1/1	0.91	0.18	57,57,57,57	0
58	MG	1N	201	1/1	0.91	0.33	51,51,51,51	0
58	MG	2A	3273	1/1	0.91	0.09	65,65,65,65	0
58	MG	2A	3280	1/1	0.91	0.10	46,46,46,46	0
58	MG	1A	3310	1/1	0.91	0.08	33,33,33,33	0
58	MG	1A	3808	1/1	0.91	0.14	22,22,22,22	0
58	MG	1A	3715	1/1	0.91	0.08	26,26,26,26	0
58	MG	1R	203	1/1	0.91	0.18	47,47,47,47	0
58	MG	2A	3648	1/1	0.91	0.13	36,36,36,36	0
58	MG	2A	3295	1/1	0.91	0.19	52,52,52,52	0
58	MG	2A	3654	1/1	0.91	0.10	43,43,43,43	0
58	MG	1A	3233	1/1	0.91	0.11	40,40,40,40	0
58	MG	2a	1628	1/1	0.91	0.13	64,64,64,64	0
58	MG	1A	3266	1/1	0.91	0.10	34,34,34,34	0
58	MG	2A	3663	1/1	0.91	0.14	50,50,50,50	0
58	MG	2a	1636	1/1	0.91	0.19	73,73,73,73	0
58	MG	1A	3917	1/1	0.91	0.10	37,37,37,37	0
58	MG	2a	1640	1/1	0.91	0.19	50,50,50,50	0
58	MG	1a	1772	1/1	0.91	0.13	68,68,68,68	0
58	MG	1X	106	1/1	0.91	0.08	55,55,55,55	0
58	MG	1Y	201	1/1	0.91	0.10	41,41,41,41	0
58	MG	1A	3360	1/1	0.91	0.08	43,43,43,43	0
58	MG	2A	3673	1/1	0.91	0.11	60,60,60,60	0
58	MG	2A	3319	1/1	0.91	0.12	49,49,49,49	0
58	MG	1A	3363	1/1	0.91	0.19	65,65,65,65	0
58	MG	1A	3824	1/1	0.91	0.10	52,52,52,52	0
58	MG	1A	3124	1/1	0.91	0.22	46,46,46,46	0
58	MG	1l	103	1/1	0.91	0.07	33,33,33,33	0
58	MG	2a	1658	1/1	0.91	0.13	61,61,61,61	0
58	MG	1A	4047	1/1	0.91	0.09	25,25,25,25	0
58	MG	1A	4048	1/1	0.91	0.14	35,35,35,35	0
58	MG	13	104	1/1	0.91	0.11	51,51,51,51	0
58	MG	2a	1666	1/1	0.91	0.14	65,65,65,65	0
58	MG	2a	1669	1/1	0.91	0.13	53,53,53,53	0
58	MG	1A	3744	1/1	0.91	0.14	70,70,70,70	0
58	MG	1a	1811	1/1	0.91	0.09	61,61,61,61	0
58	MG	1A	4052	1/1	0.91	0.10	26,26,26,26	0
58	MG	1A	3936	1/1	0.91	0.11	51,51,51,51	0
58	MG	1A	3745	1/1	0.91	0.08	53,53,53,53	0
58	MG	1l	202	1/1	0.91	0.20	64,64,64,64	0
58	MG	2A	3352	1/1	0.91	0.14	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3708	1/1	0.91	0.12	29,29,29,29	0
58	MG	1v	101	1/1	0.91	0.16	60,60,60,60	0
58	MG	1a	1603	1/1	0.91	0.23	60,60,60,60	0
58	MG	1A	4062	1/1	0.91	0.12	44,44,44,44	0
58	MG	1a	1607	1/1	0.91	0.17	57,57,57,57	0
58	MG	2a	1717	1/1	0.91	0.18	56,56,56,56	0
58	MG	1x	105	1/1	0.91	0.17	53,53,53,53	0
58	MG	1x	107	1/1	0.91	0.15	53,53,53,53	0
58	MG	1A	4063	1/1	0.91	0.06	36,36,36,36	0
58	MG	1x	110	1/1	0.91	0.13	67,67,67,67	0
58	MG	2A	3006	1/1	0.91	0.17	51,51,51,51	0
58	MG	1A	4064	1/1	0.91	0.10	40,40,40,40	0
58	MG	1A	3836	1/1	0.91	0.09	30,30,30,30	0
58	MG	1A	3375	1/1	0.91	0.19	47,47,47,47	0
58	MG	2A	3749	1/1	0.91	0.09	53,53,53,53	0
58	MG	1A	3476	1/1	0.91	0.20	47,47,47,47	0
58	MG	1A	3846	1/1	0.91	0.10	27,27,27,27	0
58	MG	2A	3754	1/1	0.91	0.12	63,63,63,63	0
58	MG	2a	1750	1/1	0.91	0.11	79,79,79,79	0
58	MG	1A	3589	1/1	0.91	0.10	54,54,54,54	0
58	MG	1A	3958	1/1	0.91	0.07	39,39,39,39	0
58	MG	2A	3419	1/1	0.91	0.11	36,36,36,36	0
58	MG	1a	1642	1/1	0.91	0.16	60,60,60,60	0
58	MG	1A	3185	1/1	0.91	0.07	44,44,44,44	0
58	MG	2A	3424	1/1	0.91	0.14	54,54,54,54	0
58	MG	1A	4084	1/1	0.91	0.12	36,36,36,36	0
58	MG	2A	3785	1/1	0.91	0.10	40,40,40,40	0
58	MG	2A	3435	1/1	0.91	0.18	58,58,58,58	0
58	MG	1a	1658	1/1	0.91	0.10	49,49,49,49	0
58	MG	2A	3441	1/1	0.91	0.26	52,52,52,52	0
58	MG	2A	3090	1/1	0.91	0.11	59,59,59,59	0
58	MG	1A	3674	1/1	0.91	0.09	45,45,45,45	0
58	MG	2A	3447	1/1	0.91	0.19	52,52,52,52	0
58	MG	1a	1663	1/1	0.91	0.24	53,53,53,53	0
58	MG	2A	3801	1/1	0.91	0.13	59,59,59,59	0
58	MG	1A	3497	1/1	0.91	0.13	45,45,45,45	0
58	MG	1A	3972	1/1	0.91	0.12	61,61,61,61	0
58	MG	1a	1671	1/1	0.91	0.12	50,50,50,50	0
58	MG	1A	4099	1/1	0.91	0.09	39,39,39,39	0
58	MG	1A	3080	1/1	0.91	0.11	55,55,55,55	0
58	MG	1A	3332	1/1	0.91	0.12	48,48,48,48	0
58	MG	2A	3116	1/1	0.91	0.10	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3984	1/1	0.91	0.08	49,49,49,49	0
58	MG	1a	1681	1/1	0.91	0.12	61,61,61,61	0
58	MG	2A	3136	1/1	0.91	0.09	41,41,41,41	0
58	MG	1A	3525	1/1	0.91	0.13	53,53,53,53	0
58	MG	2A	3507	1/1	0.91	0.13	46,46,46,46	0
58	MG	2A	3510	1/1	0.91	0.17	59,59,59,59	0
58	MG	2A	3151	1/1	0.91	0.17	54,54,54,54	0
58	MG	2A	3162	1/1	0.91	0.12	59,59,59,59	0
58	MG	2A	3166	1/1	0.91	0.13	53,53,53,53	0
58	MG	1B	202	1/1	0.91	0.10	39,39,39,39	0
58	MG	2A	3173	1/1	0.91	0.18	66,66,66,66	0
58	MG	1A	3614	1/1	0.91	0.08	17,17,17,17	0
58	MG	1A	3419	1/1	0.91	0.09	52,52,52,52	0
58	MG	2A	3857	1/1	0.91	0.09	56,56,56,56	0
58	MG	1a	1693	1/1	0.91	0.24	52,52,52,52	0
58	MG	2l	203	1/1	0.91	0.10	60,60,60,60	0
58	MG	2A	3537	1/1	0.91	0.14	49,49,49,49	0
58	MG	2A	3865	1/1	0.91	0.10	64,64,64,64	0
58	MG	1A	3424	1/1	0.91	0.07	44,44,44,44	0
58	MG	1A	3695	1/1	0.91	0.07	31,31,31,31	0
58	MG	1A	3297	1/1	0.91	0.09	47,47,47,47	0
58	MG	2A	3197	1/1	0.91	0.11	48,48,48,48	0
58	MG	1A	3698	1/1	0.91	0.08	26,26,26,26	0
58	MG	1a	1711	1/1	0.91	0.14	50,50,50,50	0
58	MG	2A	3204	1/1	0.91	0.09	48,48,48,48	0
58	MG	1a	1713	1/1	0.91	0.24	57,57,57,57	0
58	MG	2A	3044	1/1	0.92	0.28	46,46,46,46	0
58	MG	1a	1635	1/1	0.92	0.11	48,48,48,48	0
58	MG	2A	3384	1/1	0.92	0.08	46,46,46,46	0
58	MG	2A	3046	1/1	0.92	0.08	48,48,48,48	0
58	MG	2A	3393	1/1	0.92	0.09	52,52,52,52	0
58	MG	1A	3117	1/1	0.92	0.10	35,35,35,35	0
58	MG	2A	3398	1/1	0.92	0.10	51,51,51,51	0
58	MG	2A	3399	1/1	0.92	0.13	57,57,57,57	0
58	MG	2A	3056	1/1	0.92	0.15	60,60,60,60	0
58	MG	2A	3402	1/1	0.92	0.07	51,51,51,51	0
58	MG	1A	3379	1/1	0.92	0.09	29,29,29,29	0
58	MG	2A	3062	1/1	0.92	0.08	42,42,42,42	0
58	MG	2A	3813	1/1	0.92	0.12	53,53,53,53	0
58	MG	2A	3816	1/1	0.92	0.08	49,49,49,49	0
58	MG	2A	3409	1/1	0.92	0.07	58,58,58,58	0
58	MG	1A	3923	1/1	0.92	0.11	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3414	1/1	0.92	0.13	59,59,59,59	0
58	MG	2A	3065	1/1	0.92	0.18	57,57,57,57	0
58	MG	1A	3063	1/1	0.92	0.17	49,49,49,49	0
58	MG	2A	3067	1/1	0.92	0.18	62,62,62,62	0
58	MG	2A	3422	1/1	0.92	0.15	35,35,35,35	0
58	MG	2A	3842	1/1	0.92	0.07	49,49,49,49	0
58	MG	2A	3423	1/1	0.92	0.14	37,37,37,37	0
58	MG	1A	3326	1/1	0.92	0.08	39,39,39,39	0
58	MG	1a	1655	1/1	0.92	0.10	39,39,39,39	0
58	MG	1A	3616	1/1	0.92	0.07	35,35,35,35	0
58	MG	2A	3851	1/1	0.92	0.13	53,53,53,53	0
58	MG	1A	3399	1/1	0.92	0.10	52,52,52,52	0
58	MG	1A	3813	1/1	0.92	0.07	43,43,43,43	0
58	MG	2A	3101	1/1	0.92	0.17	61,61,61,61	0
58	MG	1A	3500	1/1	0.92	0.17	48,48,48,48	0
58	MG	1A	3941	1/1	0.92	0.09	41,41,41,41	0
58	MG	1A	3944	1/1	0.92	0.07	52,52,52,52	0
58	MG	1A	3817	1/1	0.92	0.06	35,35,35,35	0
58	MG	2A	3112	1/1	0.92	0.09	47,47,47,47	0
58	MG	1a	1674	1/1	0.92	0.17	64,64,64,64	0
58	MG	1A	3506	1/1	0.92	0.10	32,32,32,32	0
58	MG	2A	3474	1/1	0.92	0.18	53,53,53,53	0
58	MG	2B	212	1/1	0.92	0.21	61,61,61,61	0
58	MG	1A	4091	1/1	0.92	0.16	46,46,46,46	0
58	MG	1A	3711	1/1	0.92	0.07	38,38,38,38	0
58	MG	2A	3118	1/1	0.92	0.08	45,45,45,45	0
58	MG	1A	3712	1/1	0.92	0.10	28,28,28,28	0
58	MG	2A	3127	1/1	0.92	0.06	30,30,30,30	0
58	MG	1A	4097	1/1	0.92	0.08	39,39,39,39	0
58	MG	2A	3137	1/1	0.92	0.11	31,31,31,31	0
58	MG	1A	3631	1/1	0.92	0.10	50,50,50,50	0
58	MG	1a	1690	1/1	0.92	0.27	55,55,55,55	0
58	MG	2A	3152	1/1	0.92	0.18	54,54,54,54	0
58	MG	2A	3155	1/1	0.92	0.08	45,45,45,45	0
58	MG	1A	3508	1/1	0.92	0.06	44,44,44,44	0
58	MG	2R	201	1/1	0.92	0.14	60,60,60,60	0
58	MG	2A	3516	1/1	0.92	0.14	52,52,52,52	0
58	MG	1A	3719	1/1	0.92	0.11	31,31,31,31	0
58	MG	2A	3169	1/1	0.92	0.10	61,61,61,61	0
58	MG	2A	3526	1/1	0.92	0.08	49,49,49,49	0
58	MG	2W	201	1/1	0.92	0.11	59,59,59,59	0
58	MG	2W	202	1/1	0.92	0.13	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2Z	301	1/1	0.92	0.11	62,62,62,62	0
58	MG	1A	3960	1/1	0.92	0.08	58,58,58,58	0
58	MG	1A	3963	1/1	0.92	0.07	43,43,43,43	0
58	MG	1A	3327	1/1	0.92	0.14	31,31,31,31	0
58	MG	2A	3533	1/1	0.92	0.09	36,36,36,36	0
58	MG	2A	3536	1/1	0.92	0.09	45,45,45,45	0
58	MG	27	102	1/1	0.92	0.11	48,48,48,48	0
58	MG	2A	3178	1/1	0.92	0.12	44,44,44,44	0
58	MG	2A	3179	1/1	0.92	0.21	63,63,63,63	0
58	MG	1A	3129	1/1	0.92	0.06	45,45,45,45	0
58	MG	1A	3970	1/1	0.92	0.07	41,41,41,41	0
58	MG	1B	219	1/1	0.92	0.09	38,38,38,38	0
58	MG	1A	3971	1/1	0.92	0.07	28,28,28,28	0
58	MG	2A	3192	1/1	0.92	0.10	51,51,51,51	0
58	MG	2A	3193	1/1	0.92	0.11	46,46,46,46	0
58	MG	1A	3724	1/1	0.92	0.08	55,55,55,55	0
58	MG	1A	3648	1/1	0.92	0.09	40,40,40,40	0
58	MG	2A	3198	1/1	0.92	0.13	56,56,56,56	0
58	MG	1a	1724	1/1	0.92	0.25	53,53,53,53	0
58	MG	2A	3572	1/1	0.92	0.10	37,37,37,37	0
58	MG	1A	3423	1/1	0.92	0.10	43,43,43,43	0
58	MG	1a	1726	1/1	0.92	0.23	55,55,55,55	0
58	MG	2A	3578	1/1	0.92	0.07	39,39,39,39	0
58	MG	1A	3980	1/1	0.92	0.10	52,52,52,52	0
58	MG	1A	3289	1/1	0.92	0.07	33,33,33,33	0
58	MG	2A	3210	1/1	0.92	0.11	51,51,51,51	0
58	MG	2A	3586	1/1	0.92	0.08	27,27,27,27	0
58	MG	1A	3539	1/1	0.92	0.14	50,50,50,50	0
58	MG	2A	3590	1/1	0.92	0.14	51,51,51,51	0
58	MG	2A	3591	1/1	0.92	0.09	38,38,38,38	0
58	MG	2a	1633	1/1	0.92	0.26	54,54,54,54	0
58	MG	2A	3214	1/1	0.92	0.10	46,46,46,46	0
58	MG	1A	3434	1/1	0.92	0.09	45,45,45,45	0
58	MG	1A	3860	1/1	0.92	0.10	49,49,49,49	0
58	MG	2A	3220	1/1	0.92	0.09	40,40,40,40	0
58	MG	2A	3222	1/1	0.92	0.19	50,50,50,50	0
58	MG	2A	3223	1/1	0.92	0.26	51,51,51,51	0
58	MG	1A	3993	1/1	0.92	0.16	36,36,36,36	0
58	MG	1A	3295	1/1	0.92	0.10	40,40,40,40	0
58	MG	2A	3228	1/1	0.92	0.10	47,47,47,47	0
58	MG	1A	3997	1/1	0.92	0.08	20,20,20,20	0
58	MG	2A	3613	1/1	0.92	0.10	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3617	1/1	0.92	0.07	31,31,31,31	0
58	MG	1A	3866	1/1	0.92	0.08	47,47,47,47	0
58	MG	2A	3238	1/1	0.92	0.14	64,64,64,64	0
58	MG	1A	3099	1/1	0.92	0.10	43,43,43,43	0
58	MG	1O	201	1/1	0.92	0.09	58,58,58,58	0
58	MG	2A	3624	1/1	0.92	0.14	56,56,56,56	0
58	MG	2A	3625	1/1	0.92	0.08	36,36,36,36	0
58	MG	2A	3247	1/1	0.92	0.12	44,44,44,44	0
58	MG	1A	3443	1/1	0.92	0.08	52,52,52,52	0
58	MG	2a	1673	1/1	0.92	0.16	55,55,55,55	0
58	MG	1A	3662	1/1	0.92	0.13	48,48,48,48	0
58	MG	2A	3634	1/1	0.92	0.06	25,25,25,25	0
58	MG	1A	3876	1/1	0.92	0.09	45,45,45,45	0
58	MG	1A	3762	1/1	0.92	0.08	51,51,51,51	0
58	MG	2A	3640	1/1	0.92	0.09	30,30,30,30	0
58	MG	1T	201	1/1	0.92	0.07	39,39,39,39	0
58	MG	1T	203	1/1	0.92	0.12	42,42,42,42	0
58	MG	1A	3444	1/1	0.92	0.11	39,39,39,39	0
58	MG	2a	1699	1/1	0.92	0.13	52,52,52,52	0
58	MG	2a	1705	1/1	0.92	0.18	56,56,56,56	0
58	MG	1a	1768	1/1	0.92	0.10	46,46,46,46	0
58	MG	1A	3100	1/1	0.92	0.10	55,55,55,55	0
58	MG	1A	4009	1/1	0.92	0.09	18,18,18,18	0
58	MG	2A	3267	1/1	0.92	0.16	46,46,46,46	0
58	MG	2A	3662	1/1	0.92	0.10	62,62,62,62	0
58	MG	1W	202	1/1	0.92	0.09	45,45,45,45	0
58	MG	1A	4010	1/1	0.92	0.05	28,28,28,28	0
58	MG	1a	1779	1/1	0.92	0.09	56,56,56,56	0
58	MG	2a	1724	1/1	0.92	0.16	45,45,45,45	0
58	MG	2A	3277	1/1	0.92	0.20	56,56,56,56	0
58	MG	2A	3668	1/1	0.92	0.11	52,52,52,52	0
58	MG	2A	3669	1/1	0.92	0.09	32,32,32,32	0
58	MG	1A	3885	1/1	0.92	0.11	24,24,24,24	0
58	MG	1A	4014	1/1	0.92	0.10	37,37,37,37	0
58	MG	2A	3286	1/1	0.92	0.11	49,49,49,49	0
58	MG	1A	3205	1/1	0.92	0.11	43,43,43,43	0
58	MG	2A	3676	1/1	0.92	0.13	45,45,45,45	0
58	MG	2a	1747	1/1	0.92	0.12	60,60,60,60	0
58	MG	1A	3306	1/1	0.92	0.11	34,34,34,34	0
58	MG	2A	3290	1/1	0.92	0.09	53,53,53,53	0
58	MG	2A	3291	1/1	0.92	0.08	58,58,58,58	0
58	MG	1A	3568	1/1	0.92	0.11	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3893	1/1	0.92	0.09	31,31,31,31	0
58	MG	1A	4025	1/1	0.92	0.09	49,49,49,49	0
58	MG	1A	3256	1/1	0.92	0.14	39,39,39,39	0
58	MG	1A	3171	1/1	0.92	0.13	44,44,44,44	0
58	MG	1A	3361	1/1	0.92	0.09	56,56,56,56	0
58	MG	1A	3592	1/1	0.92	0.13	55,55,55,55	0
58	MG	2a	1781	1/1	0.92	0.12	49,49,49,49	0
58	MG	2A	3694	1/1	0.92	0.09	47,47,47,47	0
58	MG	1a	1812	1/1	0.92	0.20	58,58,58,58	0
58	MG	2a	1785	1/1	0.92	0.21	63,63,63,63	0
58	MG	2A	3314	1/1	0.92	0.17	37,37,37,37	0
58	MG	1A	4040	1/1	0.92	0.06	38,38,38,38	0
58	MG	2A	3317	1/1	0.92	0.11	50,50,50,50	0
58	MG	1A	3682	1/1	0.92	0.09	37,37,37,37	0
58	MG	2a	1791	1/1	0.92	0.14	63,63,63,63	0
58	MG	2a	1792	1/1	0.92	0.15	49,49,49,49	0
58	MG	1a	1601	1/1	0.92	0.11	48,48,48,48	0
58	MG	2A	3322	1/1	0.92	0.16	62,62,62,62	0
58	MG	2A	3711	1/1	0.92	0.14	59,59,59,59	0
58	MG	2a	1799	1/1	0.92	0.12	61,61,61,61	0
58	MG	2A	3323	1/1	0.92	0.12	57,57,57,57	0
58	MG	1a	1602	1/1	0.92	0.17	56,56,56,56	0
58	MG	1n	101	1/1	0.92	0.23	58,58,58,58	0
58	MG	2A	3719	1/1	0.92	0.09	44,44,44,44	0
58	MG	1A	4043	1/1	0.92	0.07	40,40,40,40	0
58	MG	2A	3721	1/1	0.92	0.12	58,58,58,58	0
58	MG	1A	3016	1/1	0.92	0.14	49,49,49,49	0
58	MG	1w	105	1/1	0.92	0.23	59,59,59,59	0
58	MG	2A	3732	1/1	0.92	0.09	49,49,49,49	0
58	MG	1w	107	1/1	0.92	0.08	57,57,57,57	0
58	MG	2A	3737	1/1	0.92	0.13	57,57,57,57	0
58	MG	1A	3688	1/1	0.92	0.06	19,19,19,19	0
58	MG	2A	3742	1/1	0.92	0.15	46,46,46,46	0
58	MG	1A	3599	1/1	0.92	0.11	31,31,31,31	0
58	MG	1A	3909	1/1	0.92	0.10	40,40,40,40	0
58	MG	2a	1826	1/1	0.92	0.19	58,58,58,58	0
58	MG	2a	1827	1/1	0.92	0.13	49,49,49,49	0
58	MG	2A	3747	1/1	0.92	0.07	60,60,60,60	0
58	MG	1x	106	1/1	0.92	0.21	54,54,54,54	0
58	MG	2d	301	1/1	0.92	0.21	48,48,48,48	0
58	MG	2A	3344	1/1	0.92	0.07	51,51,51,51	0
58	MG	2f	202	1/1	0.92	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
58	MG	2A	3346	1/1	0.92	0.13	57,57,57,57	0
58	MG	2i	201	1/1	0.92	0.11	52,52,52,52	0
58	MG	1a	1613	1/1	0.92	0.09	62,62,62,62	0
58	MG	1a	1617	1/1	0.92	0.13	40,40,40,40	0
58	MG	1a	1620	1/1	0.92	0.09	46,46,46,46	0
58	MG	2A	3354	1/1	0.92	0.09	59,59,59,59	0
58	MG	2A	3001	1/1	0.92	0.14	45,45,45,45	0
58	MG	2p	101	1/1	0.92	0.09	58,58,58,58	0
58	MG	2q	201	1/1	0.92	0.09	63,63,63,63	0
58	MG	1A	3224	1/1	0.92	0.08	43,43,43,43	0
58	MG	1A	3912	1/1	0.92	0.08	28,28,28,28	0
58	MG	2A	3770	1/1	0.92	0.08	49,49,49,49	0
58	MG	1a	1627	1/1	0.92	0.18	51,51,51,51	0
58	MG	2A	3031	1/1	0.92	0.09	51,51,51,51	0
58	MG	1A	3914	1/1	0.92	0.10	41,41,41,41	0
58	MG	1A	4054	1/1	0.92	0.08	30,30,30,30	0
58	MG	2x	104	1/1	0.92	0.17	49,49,49,49	0
58	MG	2x	106	1/1	0.92	0.11	49,49,49,49	0
58	MG	2A	3043	1/1	0.92	0.15	61,61,61,61	0
58	MG	2A	3160	1/1	0.93	0.12	55,55,55,55	0
58	MG	1A	3870	1/1	0.93	0.09	41,41,41,41	0
58	MG	2A	3165	1/1	0.93	0.29	55,55,55,55	0
58	MG	1a	1722	1/1	0.93	0.19	59,59,59,59	0
58	MG	1A	3994	1/1	0.93	0.10	21,21,21,21	0
58	MG	2A	3815	1/1	0.93	0.07	31,31,31,31	0
58	MG	1A	3543	1/1	0.93	0.12	43,43,43,43	0
58	MG	2A	3451	1/1	0.93	0.19	51,51,51,51	0
58	MG	2A	3818	1/1	0.93	0.09	33,33,33,33	0
58	MG	1A	3996	1/1	0.93	0.10	30,30,30,30	0
58	MG	2A	3825	1/1	0.93	0.11	55,55,55,55	0
58	MG	2A	3455	1/1	0.93	0.20	47,47,47,47	0
58	MG	2A	3459	1/1	0.93	0.12	63,63,63,63	0
58	MG	2A	3463	1/1	0.93	0.16	35,35,35,35	0
58	MG	2A	3468	1/1	0.93	0.20	58,58,58,58	0
58	MG	2A	3174	1/1	0.93	0.15	48,48,48,48	0
58	MG	1A	3433	1/1	0.93	0.06	36,36,36,36	0
58	MG	2A	3473	1/1	0.93	0.11	52,52,52,52	0
58	MG	1E	312	1/1	0.93	0.12	35,35,35,35	0
58	MG	2A	3845	1/1	0.93	0.07	36,36,36,36	0
58	MG	1F	309	1/1	0.93	0.10	22,22,22,22	0
58	MG	1A	3875	1/1	0.93	0.07	39,39,39,39	0
58	MG	2A	3850	1/1	0.93	0.08	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3186	1/1	0.93	0.09	44,44,44,44	0
58	MG	1A	3753	1/1	0.93	0.07	15,15,15,15	0
58	MG	2A	3489	1/1	0.93	0.13	55,55,55,55	0
58	MG	1A	3758	1/1	0.93	0.09	55,55,55,55	0
58	MG	2A	3494	1/1	0.93	0.07	40,40,40,40	0
58	MG	2A	3861	1/1	0.93	0.08	50,50,50,50	0
58	MG	2A	3862	1/1	0.93	0.12	44,44,44,44	0
58	MG	1A	3879	1/1	0.93	0.13	30,30,30,30	0
58	MG	1A	3880	1/1	0.93	0.10	48,48,48,48	0
58	MG	1A	3011	1/1	0.93	0.08	37,37,37,37	0
58	MG	2A	3509	1/1	0.93	0.17	54,54,54,54	0
58	MG	1A	3666	1/1	0.93	0.06	34,34,34,34	0
58	MG	2B	201	1/1	0.93	0.15	60,60,60,60	0
58	MG	2B	205	1/1	0.93	0.13	53,53,53,53	0
58	MG	1A	3769	1/1	0.93	0.13	34,34,34,34	0
58	MG	2B	207	1/1	0.93	0.09	51,51,51,51	0
58	MG	1a	1746	1/1	0.93	0.07	49,49,49,49	0
58	MG	2A	3200	1/1	0.93	0.09	50,50,50,50	0
58	MG	1A	3333	1/1	0.93	0.12	37,37,37,37	0
58	MG	1A	3203	1/1	0.93	0.09	36,36,36,36	0
58	MG	2B	218	1/1	0.93	0.14	56,56,56,56	0
58	MG	1A	3017	1/1	0.93	0.15	46,46,46,46	0
58	MG	2D	306	1/1	0.93	0.12	48,48,48,48	0
58	MG	1A	3339	1/1	0.93	0.10	41,41,41,41	0
58	MG	1a	1760	1/1	0.93	0.10	64,64,64,64	0
58	MG	1A	3776	1/1	0.93	0.06	25,25,25,25	0
58	MG	1A	3027	1/1	0.93	0.12	56,56,56,56	0
58	MG	2E	307	1/1	0.93	0.10	46,46,46,46	0
58	MG	1A	3302	1/1	0.93	0.08	30,30,30,30	0
58	MG	2A	3535	1/1	0.93	0.05	28,28,28,28	0
58	MG	2F	304	1/1	0.93	0.06	47,47,47,47	0
58	MG	1A	4023	1/1	0.93	0.06	29,29,29,29	0
58	MG	1A	3779	1/1	0.93	0.07	33,33,33,33	0
58	MG	1A	3095	1/1	0.93	0.09	55,55,55,55	0
58	MG	2A	3221	1/1	0.93	0.08	40,40,40,40	0
58	MG	1A	4026	1/1	0.93	0.07	57,57,57,57	0
58	MG	1A	4029	1/1	0.93	0.07	35,35,35,35	0
58	MG	1A	3680	1/1	0.93	0.10	35,35,35,35	0
58	MG	2T	203	1/1	0.93	0.07	47,47,47,47	0
58	MG	10	107	1/1	0.93	0.07	37,37,37,37	0
58	MG	2A	3227	1/1	0.93	0.14	54,54,54,54	0
58	MG	11	101	1/1	0.93	0.23	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1a	1782	1/1	0.93	0.09	64,64,64,64	0
58	MG	1A	4031	1/1	0.93	0.08	55,55,55,55	0
58	MG	2A	3235	1/1	0.93	0.18	49,49,49,49	0
58	MG	20	103	1/1	0.93	0.08	46,46,46,46	0
58	MG	2A	3569	1/1	0.93	0.06	36,36,36,36	0
58	MG	1A	3354	1/1	0.93	0.10	46,46,46,46	0
58	MG	25	102	1/1	0.93	0.10	48,48,48,48	0
58	MG	25	104	1/1	0.93	0.09	48,48,48,48	0
58	MG	25	105	1/1	0.93	0.07	45,45,45,45	0
58	MG	11	105	1/1	0.93	0.07	57,57,57,57	0
58	MG	1a	1791	1/1	0.93	0.07	39,39,39,39	0
58	MG	2A	3577	1/1	0.93	0.08	43,43,43,43	0
58	MG	2A	3246	1/1	0.93	0.11	56,56,56,56	0
58	MG	1A	3586	1/1	0.93	0.11	20,20,20,20	0
58	MG	2a	1603	1/1	0.93	0.12	56,56,56,56	0
58	MG	2A	3581	1/1	0.93	0.11	38,38,38,38	0
58	MG	1a	1799	1/1	0.93	0.08	59,59,59,59	0
58	MG	1A	3261	1/1	0.93	0.09	36,36,36,36	0
58	MG	1a	1803	1/1	0.93	0.08	57,57,57,57	0
58	MG	2A	3255	1/1	0.93	0.16	57,57,57,57	0
58	MG	1A	3309	1/1	0.93	0.25	54,54,54,54	0
58	MG	1A	3262	1/1	0.93	0.07	32,32,32,32	0
58	MG	15	107	1/1	0.93	0.08	41,41,41,41	0
58	MG	1A	3691	1/1	0.93	0.10	54,54,54,54	0
58	MG	1A	4044	1/1	0.93	0.07	43,43,43,43	0
58	MG	2A	3597	1/1	0.93	0.18	51,51,51,51	0
58	MG	1A	3692	1/1	0.93	0.07	24,24,24,24	0
58	MG	1A	3918	1/1	0.93	0.07	42,42,42,42	0
58	MG	1A	3467	1/1	0.93	0.11	51,51,51,51	0
58	MG	2A	3268	1/1	0.93	0.17	55,55,55,55	0
58	MG	1A	3469	1/1	0.93	0.08	45,45,45,45	0
58	MG	1A	3810	1/1	0.93	0.10	37,37,37,37	0
58	MG	1a	1609	1/1	0.93	0.16	44,44,44,44	0
58	MG	2A	3274	1/1	0.93	0.11	52,52,52,52	0
58	MG	2a	1629	1/1	0.93	0.10	48,48,48,48	0
58	MG	2a	1630	1/1	0.93	0.17	57,57,57,57	0
58	MG	2a	1631	1/1	0.93	0.09	44,44,44,44	0
58	MG	2A	3275	1/1	0.93	0.07	65,65,65,65	0
58	MG	1t	201	1/1	0.93	0.17	46,46,46,46	0
58	MG	2a	1634	1/1	0.93	0.08	57,57,57,57	0
58	MG	1A	3264	1/1	0.93	0.11	53,53,53,53	0
58	MG	1A	3930	1/1	0.93	0.17	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3622	1/1	0.93	0.07	39,39,39,39	0
58	MG	2a	1638	1/1	0.93	0.13	45,45,45,45	0
58	MG	1A	3368	1/1	0.93	0.10	45,45,45,45	0
58	MG	1a	1614	1/1	0.93	0.15	52,52,52,52	0
58	MG	1a	1616	1/1	0.93	0.11	54,54,54,54	0
58	MG	1x	103	1/1	0.93	0.18	54,54,54,54	0
58	MG	2A	3628	1/1	0.93	0.06	38,38,38,38	0
58	MG	1A	3477	1/1	0.93	0.08	41,41,41,41	0
58	MG	1A	4060	1/1	0.93	0.06	9,9,9,9	0
58	MG	1a	1622	1/1	0.93	0.25	63,63,63,63	0
58	MG	2a	1650	1/1	0.93	0.23	55,55,55,55	0
58	MG	1A	4061	1/1	0.93	0.18	57,57,57,57	0
58	MG	1A	3481	1/1	0.93	0.07	35,35,35,35	0
58	MG	2A	3299	1/1	0.93	0.12	38,38,38,38	0
58	MG	2A	3642	1/1	0.93	0.07	42,42,42,42	0
58	MG	1A	3615	1/1	0.93	0.07	23,23,23,23	0
58	MG	1A	3128	1/1	0.93	0.15	33,33,33,33	0
58	MG	2A	3002	1/1	0.93	0.18	52,52,52,52	0
58	MG	2a	1665	1/1	0.93	0.19	55,55,55,55	0
58	MG	2A	3649	1/1	0.93	0.08	43,43,43,43	0
58	MG	2a	1667	1/1	0.93	0.11	55,55,55,55	0
58	MG	2A	3307	1/1	0.93	0.09	49,49,49,49	0
58	MG	2A	3651	1/1	0.93	0.09	49,49,49,49	0
58	MG	2A	3652	1/1	0.93	0.13	59,59,59,59	0
58	MG	2a	1677	1/1	0.93	0.11	41,41,41,41	0
58	MG	2A	3004	1/1	0.93	0.16	48,48,48,48	0
58	MG	2A	3313	1/1	0.93	0.11	46,46,46,46	0
58	MG	2A	3656	1/1	0.93	0.10	51,51,51,51	0
58	MG	2A	3658	1/1	0.93	0.09	46,46,46,46	0
58	MG	1A	3943	1/1	0.93	0.08	54,54,54,54	0
58	MG	2A	3661	1/1	0.93	0.16	51,51,51,51	0
58	MG	2A	3008	1/1	0.93	0.07	46,46,46,46	0
58	MG	2a	1691	1/1	0.93	0.14	64,64,64,64	0
58	MG	2a	1695	1/1	0.93	0.12	61,61,61,61	0
58	MG	2a	1698	1/1	0.93	0.10	60,60,60,60	0
58	MG	1A	3821	1/1	0.93	0.13	37,37,37,37	0
58	MG	2a	1702	1/1	0.93	0.20	53,53,53,53	0
58	MG	1A	3313	1/1	0.93	0.11	40,40,40,40	0
58	MG	1a	1639	1/1	0.93	0.17	50,50,50,50	0
58	MG	2a	1709	1/1	0.93	0.11	54,54,54,54	0
58	MG	2A	3033	1/1	0.93	0.09	32,32,32,32	0
58	MG	2A	3039	1/1	0.93	0.09	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3040	1/1	0.93	0.16	47,47,47,47	0
58	MG	1A	3828	1/1	0.93	0.10	43,43,43,43	0
58	MG	1A	3315	1/1	0.93	0.14	49,49,49,49	0
58	MG	2A	3331	1/1	0.93	0.14	46,46,46,46	0
58	MG	2a	1721	1/1	0.93	0.11	59,59,59,59	0
58	MG	1a	1647	1/1	0.93	0.09	47,47,47,47	0
58	MG	2a	1723	1/1	0.93	0.20	61,61,61,61	0
58	MG	1A	3626	1/1	0.93	0.10	23,23,23,23	0
58	MG	1A	3137	1/1	0.93	0.11	48,48,48,48	0
58	MG	2A	3047	1/1	0.93	0.21	51,51,51,51	0
58	MG	2a	1728	1/1	0.93	0.08	49,49,49,49	0
58	MG	1A	3325	1/1	0.93	0.08	46,46,46,46	0
58	MG	2a	1733	1/1	0.93	0.13	42,42,42,42	0
58	MG	2a	1734	1/1	0.93	0.13	53,53,53,53	0
58	MG	2a	1735	1/1	0.93	0.17	47,47,47,47	0
58	MG	2A	3340	1/1	0.93	0.09	45,45,45,45	0
58	MG	1a	1660	1/1	0.93	0.08	44,44,44,44	0
58	MG	1A	3639	1/1	0.93	0.10	56,56,56,56	0
58	MG	2a	1741	1/1	0.93	0.07	52,52,52,52	0
58	MG	2A	3060	1/1	0.93	0.11	42,42,42,42	0
58	MG	2A	3345	1/1	0.93	0.10	57,57,57,57	0
58	MG	1A	4094	1/1	0.93	0.09	38,38,38,38	0
58	MG	2A	3692	1/1	0.93	0.19	51,51,51,51	0
58	MG	1a	1664	1/1	0.93	0.10	47,47,47,47	0
58	MG	2A	3064	1/1	0.93	0.11	60,60,60,60	0
58	MG	2A	3695	1/1	0.93	0.12	30,30,30,30	0
58	MG	1A	3406	1/1	0.93	0.06	37,37,37,37	0
58	MG	1a	1667	1/1	0.93	0.20	58,58,58,58	0
58	MG	2A	3703	1/1	0.93	0.14	53,53,53,53	0
58	MG	1A	3848	1/1	0.93	0.08	47,47,47,47	0
58	MG	2A	3356	1/1	0.93	0.24	54,54,54,54	0
58	MG	2A	3707	1/1	0.93	0.15	70,70,70,70	0
58	MG	2a	1779	1/1	0.93	0.10	40,40,40,40	0
58	MG	2A	3070	1/1	0.93	0.11	49,49,49,49	0
58	MG	1A	3517	1/1	0.93	0.09	46,46,46,46	0
58	MG	2A	3361	1/1	0.93	0.21	54,54,54,54	0
58	MG	2A	3082	1/1	0.93	0.12	51,51,51,51	0
58	MG	1A	3150	1/1	0.93	0.26	35,35,35,35	0
58	MG	2A	3715	1/1	0.93	0.09	32,32,32,32	0
58	MG	1A	3526	1/1	0.93	0.11	39,39,39,39	0
58	MG	1A	4103	1/1	0.93	0.22	51,51,51,51	0
58	MG	2A	3096	1/1	0.93	0.12	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3372	1/1	0.93	0.20	49,49,49,49	0
58	MG	1A	3735	1/1	0.93	0.09	39,39,39,39	0
58	MG	2A	3723	1/1	0.93	0.07	43,43,43,43	0
58	MG	1A	4105	1/1	0.93	0.07	42,42,42,42	0
58	MG	2A	3727	1/1	0.93	0.17	71,71,71,71	0
58	MG	2A	3379	1/1	0.93	0.21	55,55,55,55	0
58	MG	1A	4106	1/1	0.93	0.09	40,40,40,40	0
58	MG	2A	3385	1/1	0.93	0.19	45,45,45,45	0
58	MG	1A	3974	1/1	0.93	0.06	41,41,41,41	0
58	MG	2A	3389	1/1	0.93	0.15	55,55,55,55	0
58	MG	2a	1810	1/1	0.93	0.21	50,50,50,50	0
58	MG	2A	3391	1/1	0.93	0.13	48,48,48,48	0
58	MG	2A	3107	1/1	0.93	0.14	52,52,52,52	0
58	MG	1a	1683	1/1	0.93	0.09	55,55,55,55	0
58	MG	1A	3272	1/1	0.93	0.07	45,45,45,45	0
58	MG	1a	1687	1/1	0.93	0.24	58,58,58,58	0
58	MG	2A	3400	1/1	0.93	0.14	43,43,43,43	0
58	MG	1a	1688	1/1	0.93	0.09	51,51,51,51	0
58	MG	2A	3753	1/1	0.93	0.14	58,58,58,58	0
58	MG	1A	3328	1/1	0.93	0.08	35,35,35,35	0
58	MG	1A	3864	1/1	0.93	0.13	34,34,34,34	0
58	MG	2A	3756	1/1	0.93	0.11	45,45,45,45	0
58	MG	1A	3196	1/1	0.93	0.13	24,24,24,24	0
58	MG	2a	1828	1/1	0.93	0.21	58,58,58,58	0
58	MG	2a	1829	1/1	0.93	0.11	46,46,46,46	0
58	MG	1A	3427	1/1	0.93	0.12	51,51,51,51	0
58	MG	1A	3986	1/1	0.93	0.07	60,60,60,60	0
58	MG	2A	3763	1/1	0.93	0.12	40,40,40,40	0
58	MG	2A	3412	1/1	0.93	0.14	39,39,39,39	0
58	MG	2A	3766	1/1	0.93	0.09	51,51,51,51	0
58	MG	2A	3413	1/1	0.93	0.09	54,54,54,54	0
58	MG	1A	3987	1/1	0.93	0.07	52,52,52,52	0
58	MG	1a	1696	1/1	0.93	0.10	44,44,44,44	0
58	MG	2l	201	1/1	0.93	0.12	53,53,53,53	0
58	MG	2A	3783	1/1	0.93	0.11	61,61,61,61	0
58	MG	1A	3989	1/1	0.93	0.07	51,51,51,51	0
58	MG	2A	3141	1/1	0.93	0.19	50,50,50,50	0
58	MG	1A	3430	1/1	0.93	0.07	36,36,36,36	0
58	MG	2A	3791	1/1	0.93	0.11	57,57,57,57	0
58	MG	1a	1703	1/1	0.93	0.08	57,57,57,57	0
58	MG	2A	3793	1/1	0.93	0.09	58,58,58,58	0
58	MG	1A	3868	1/1	0.93	0.07	19,19,19,19	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3429	1/1	0.93	0.13	30,30,30,30	0
58	MG	2A	3154	1/1	0.93	0.10	54,54,54,54	0
58	MG	1B	237	1/1	0.93	0.08	33,33,33,33	0
58	MG	2w	102	1/1	0.93	0.16	54,54,54,54	0
58	MG	2A	3436	1/1	0.93	0.15	48,48,48,48	0
58	MG	2A	3802	1/1	0.93	0.07	64,64,64,64	0
58	MG	2x	103	1/1	0.93	0.18	53,53,53,53	0
58	MG	2A	3158	1/1	0.93	0.10	64,64,64,64	0
58	MG	2A	3439	1/1	0.93	0.17	45,45,45,45	0
58	MG	2A	3440	1/1	0.93	0.14	53,53,53,53	0
58	MG	1A	3590	1/1	0.94	0.09	36,36,36,36	0
58	MG	1A	3412	1/1	0.94	0.10	43,43,43,43	0
58	MG	2A	3860	1/1	0.94	0.07	42,42,42,42	0
58	MG	2A	3518	1/1	0.94	0.06	25,25,25,25	0
58	MG	2A	3520	1/1	0.94	0.09	16,16,16,16	0
58	MG	1A	3478	1/1	0.94	0.16	42,42,42,42	0
58	MG	1a	1789	1/1	0.94	0.07	40,40,40,40	0
58	MG	1A	4042	1/1	0.94	0.10	39,39,39,39	0
58	MG	1A	3921	1/1	0.94	0.08	45,45,45,45	0
58	MG	1A	3479	1/1	0.94	0.11	51,51,51,51	0
58	MG	1a	1793	1/1	0.94	0.08	54,54,54,54	0
58	MG	1a	1795	1/1	0.94	0.07	64,64,64,64	0
58	MG	1A	3480	1/1	0.94	0.10	45,45,45,45	0
58	MG	1A	3413	1/1	0.94	0.07	37,37,37,37	0
58	MG	2A	3232	1/1	0.94	0.14	39,39,39,39	0
58	MG	16	102	1/1	0.94	0.18	46,46,46,46	0
58	MG	2A	3236	1/1	0.94	0.07	39,39,39,39	0
58	MG	2A	3237	1/1	0.94	0.18	46,46,46,46	0
58	MG	1A	3928	1/1	0.94	0.07	25,25,25,25	0
58	MG	2A	3550	1/1	0.94	0.09	41,41,41,41	0
58	MG	2D	301	1/1	0.94	0.11	31,31,31,31	0
58	MG	1A	3415	1/1	0.94	0.08	33,33,33,33	0
58	MG	1A	3243	1/1	0.94	0.15	37,37,37,37	0
58	MG	2E	301	1/1	0.94	0.08	51,51,51,51	0
58	MG	1A	3613	1/1	0.94	0.09	33,33,33,33	0
58	MG	1a	1810	1/1	0.94	0.09	46,46,46,46	0
58	MG	2A	3248	1/1	0.94	0.12	46,46,46,46	0
58	MG	1A	3935	1/1	0.94	0.06	45,45,45,45	0
58	MG	2A	3251	1/1	0.94	0.12	46,46,46,46	0
58	MG	2A	3570	1/1	0.94	0.10	51,51,51,51	0
58	MG	1a	1605	1/1	0.94	0.09	41,41,41,41	0
58	MG	1A	3270	1/1	0.94	0.10	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3575	1/1	0.94	0.07	42,42,42,42	0
58	MG	1A	3703	1/1	0.94	0.06	25,25,25,25	0
58	MG	1A	4059	1/1	0.94	0.10	41,41,41,41	0
58	MG	1A	3938	1/1	0.94	0.06	34,34,34,34	0
58	MG	1m	3001	1/1	0.94	0.09	54,54,54,54	0
58	MG	2A	3259	1/1	0.94	0.08	43,43,43,43	0
58	MG	2A	3582	1/1	0.94	0.09	43,43,43,43	0
58	MG	1A	3939	1/1	0.94	0.10	43,43,43,43	0
58	MG	1A	3248	1/1	0.94	0.14	52,52,52,52	0
58	MG	1a	1615	1/1	0.94	0.11	46,46,46,46	0
58	MG	2X	101	1/1	0.94	0.09	47,47,47,47	0
58	MG	1A	3179	1/1	0.94	0.05	24,24,24,24	0
58	MG	1w	104	1/1	0.94	0.17	63,63,63,63	0
58	MG	1A	3710	1/1	0.94	0.09	22,22,22,22	0
58	MG	2A	3270	1/1	0.94	0.11	54,54,54,54	0
58	MG	1A	3826	1/1	0.94	0.12	61,61,61,61	0
58	MG	23	101	1/1	0.94	0.09	51,51,51,51	0
58	MG	1a	1621	1/1	0.94	0.10	46,46,46,46	0
58	MG	1x	102	1/1	0.94	0.14	52,52,52,52	0
58	MG	1A	3947	1/1	0.94	0.07	35,35,35,35	0
58	MG	1A	3948	1/1	0.94	0.07	58,58,58,58	0
58	MG	1A	3502	1/1	0.94	0.25	39,39,39,39	0
58	MG	1A	4073	1/1	0.94	0.07	9,9,9,9	0
58	MG	2A	3281	1/1	0.94	0.08	48,48,48,48	0
58	MG	28	102	1/1	0.94	0.21	51,51,51,51	0
58	MG	2A	3609	1/1	0.94	0.09	50,50,50,50	0
58	MG	1a	1628	1/1	0.94	0.18	46,46,46,46	0
58	MG	1A	3619	1/1	0.94	0.11	24,24,24,24	0
58	MG	2A	3612	1/1	0.94	0.07	54,54,54,54	0
58	MG	1A	4079	1/1	0.94	0.10	45,45,45,45	0
58	MG	1x	111	1/1	0.94	0.12	56,56,56,56	0
58	MG	1x	112	1/1	0.94	0.18	52,52,52,52	0
58	MG	1A	3504	1/1	0.94	0.15	30,30,30,30	0
58	MG	2A	3620	1/1	0.94	0.07	43,43,43,43	0
58	MG	1A	3019	1/1	0.94	0.14	33,33,33,33	0
58	MG	2A	3294	1/1	0.94	0.14	54,54,54,54	0
58	MG	2a	1614	1/1	0.94	0.09	54,54,54,54	0
58	MG	2a	1615	1/1	0.94	0.13	54,54,54,54	0
58	MG	2A	3003	1/1	0.94	0.13	45,45,45,45	0
58	MG	1A	3355	1/1	0.94	0.10	46,46,46,46	0
58	MG	1A	3840	1/1	0.94	0.12	43,43,43,43	0
58	MG	1A	4087	1/1	0.94	0.10	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3011	1/1	0.94	0.09	39,39,39,39	0
58	MG	2a	1621	1/1	0.94	0.08	51,51,51,51	0
58	MG	2A	3629	1/1	0.94	0.11	55,55,55,55	0
58	MG	2A	3303	1/1	0.94	0.11	56,56,56,56	0
58	MG	1A	3843	1/1	0.94	0.11	46,46,46,46	0
58	MG	2a	1625	1/1	0.94	0.09	56,56,56,56	0
58	MG	1A	4093	1/1	0.94	0.08	42,42,42,42	0
58	MG	2A	3306	1/1	0.94	0.13	52,52,52,52	0
58	MG	2A	3637	1/1	0.94	0.07	32,32,32,32	0
58	MG	2A	3025	1/1	0.94	0.10	50,50,50,50	0
58	MG	1A	3961	1/1	0.94	0.06	53,53,53,53	0
58	MG	2A	3641	1/1	0.94	0.06	38,38,38,38	0
58	MG	2A	3032	1/1	0.94	0.07	37,37,37,37	0
58	MG	1A	3627	1/1	0.94	0.08	29,29,29,29	0
58	MG	2A	3315	1/1	0.94	0.10	57,57,57,57	0
58	MG	2A	3647	1/1	0.94	0.10	42,42,42,42	0
58	MG	2A	3036	1/1	0.94	0.09	50,50,50,50	0
58	MG	1a	1657	1/1	0.94	0.24	54,54,54,54	0
58	MG	2A	3318	1/1	0.94	0.09	44,44,44,44	0
58	MG	1A	3630	1/1	0.94	0.07	28,28,28,28	0
58	MG	1A	3847	1/1	0.94	0.06	30,30,30,30	0
58	MG	1A	4098	1/1	0.94	0.09	45,45,45,45	0
58	MG	1A	3510	1/1	0.94	0.07	39,39,39,39	0
58	MG	2A	3326	1/1	0.94	0.08	45,45,45,45	0
58	MG	1A	3632	1/1	0.94	0.09	29,29,29,29	0
58	MG	1A	3514	1/1	0.94	0.09	45,45,45,45	0
58	MG	2A	3660	1/1	0.94	0.10	40,40,40,40	0
58	MG	1A	3638	1/1	0.94	0.07	19,19,19,19	0
58	MG	1a	1668	1/1	0.94	0.15	51,51,51,51	0
58	MG	2A	3054	1/1	0.94	0.12	55,55,55,55	0
58	MG	1A	3743	1/1	0.94	0.08	19,19,19,19	0
58	MG	1A	3290	1/1	0.94	0.06	33,33,33,33	0
58	MG	2A	3058	1/1	0.94	0.09	46,46,46,46	0
58	MG	2a	1660	1/1	0.94	0.08	52,52,52,52	0
58	MG	2a	1661	1/1	0.94	0.09	52,52,52,52	0
58	MG	2A	3059	1/1	0.94	0.06	47,47,47,47	0
58	MG	2A	3339	1/1	0.94	0.11	48,48,48,48	0
58	MG	2a	1664	1/1	0.94	0.06	58,58,58,58	0
58	MG	1A	3518	1/1	0.94	0.07	46,46,46,46	0
58	MG	1A	3861	1/1	0.94	0.07	37,37,37,37	0
58	MG	1A	3862	1/1	0.94	0.07	34,34,34,34	0
58	MG	1A	3520	1/1	0.94	0.14	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1B	210	1/1	0.94	0.11	53,53,53,53	0
58	MG	2A	3677	1/1	0.94	0.09	48,48,48,48	0
58	MG	2a	1675	1/1	0.94	0.16	40,40,40,40	0
58	MG	1a	1680	1/1	0.94	0.18	60,60,60,60	0
58	MG	1A	3524	1/1	0.94	0.10	42,42,42,42	0
58	MG	2A	3350	1/1	0.94	0.14	53,53,53,53	0
58	MG	2A	3682	1/1	0.94	0.07	46,46,46,46	0
58	MG	1A	3357	1/1	0.94	0.15	60,60,60,60	0
58	MG	2a	1686	1/1	0.94	0.10	52,52,52,52	0
58	MG	2A	3071	1/1	0.94	0.07	43,43,43,43	0
58	MG	2A	3353	1/1	0.94	0.14	44,44,44,44	0
58	MG	2A	3072	1/1	0.94	0.06	35,35,35,35	0
58	MG	1A	3292	1/1	0.94	0.07	42,42,42,42	0
58	MG	1B	227	1/1	0.94	0.10	49,49,49,49	0
58	MG	1B	228	1/1	0.94	0.06	35,35,35,35	0
58	MG	1A	3750	1/1	0.94	0.08	53,53,53,53	0
58	MG	2A	3360	1/1	0.94	0.25	57,57,57,57	0
58	MG	2a	1703	1/1	0.94	0.11	52,52,52,52	0
58	MG	2A	3091	1/1	0.94	0.08	44,44,44,44	0
58	MG	1A	3651	1/1	0.94	0.09	53,53,53,53	0
58	MG	1B	232	1/1	0.94	0.07	50,50,50,50	0
58	MG	1B	233	1/1	0.94	0.08	42,42,42,42	0
58	MG	2a	1711	1/1	0.94	0.18	59,59,59,59	0
58	MG	2a	1713	1/1	0.94	0.12	51,51,51,51	0
58	MG	2A	3368	1/1	0.94	0.11	58,58,58,58	0
58	MG	1A	3437	1/1	0.94	0.11	38,38,38,38	0
58	MG	2A	3102	1/1	0.94	0.12	40,40,40,40	0
58	MG	1A	3438	1/1	0.94	0.14	30,30,30,30	0
58	MG	1A	3759	1/1	0.94	0.08	46,46,46,46	0
58	MG	2A	3106	1/1	0.94	0.08	37,37,37,37	0
58	MG	1A	3530	1/1	0.94	0.08	45,45,45,45	0
58	MG	1A	3766	1/1	0.94	0.10	20,20,20,20	0
58	MG	1a	1698	1/1	0.94	0.17	50,50,50,50	0
58	MG	2A	3716	1/1	0.94	0.09	39,39,39,39	0
58	MG	2A	3111	1/1	0.94	0.13	39,39,39,39	0
58	MG	1A	3151	1/1	0.94	0.18	22,22,22,22	0
58	MG	1A	3216	1/1	0.94	0.12	41,41,41,41	0
58	MG	2A	3392	1/1	0.94	0.16	56,56,56,56	0
58	MG	1a	1707	1/1	0.94	0.10	48,48,48,48	0
58	MG	2A	3394	1/1	0.94	0.14	58,58,58,58	0
58	MG	1a	1710	1/1	0.94	0.06	41,41,41,41	0
58	MG	2A	3726	1/1	0.94	0.14	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3364	1/1	0.94	0.10	45,45,45,45	0
58	MG	1a	1712	1/1	0.94	0.15	46,46,46,46	0
58	MG	2a	1742	1/1	0.94	0.22	55,55,55,55	0
58	MG	2A	3121	1/1	0.94	0.10	59,59,59,59	0
58	MG	1A	3447	1/1	0.94	0.13	41,41,41,41	0
58	MG	1a	1714	1/1	0.94	0.09	42,42,42,42	0
58	MG	2A	3739	1/1	0.94	0.08	53,53,53,53	0
58	MG	2A	3131	1/1	0.94	0.09	42,42,42,42	0
58	MG	2A	3741	1/1	0.94	0.10	47,47,47,47	0
58	MG	2a	1752	1/1	0.94	0.08	59,59,59,59	0
58	MG	1a	1717	1/1	0.94	0.12	55,55,55,55	0
58	MG	2A	3408	1/1	0.94	0.08	53,53,53,53	0
58	MG	1A	3884	1/1	0.94	0.07	41,41,41,41	0
58	MG	2a	1760	1/1	0.94	0.10	62,62,62,62	0
58	MG	2A	3410	1/1	0.94	0.22	60,60,60,60	0
58	MG	2a	1764	1/1	0.94	0.10	50,50,50,50	0
58	MG	1a	1721	1/1	0.94	0.12	57,57,57,57	0
58	MG	2a	1772	1/1	0.94	0.13	61,61,61,61	0
58	MG	1F	311	1/1	0.94	0.12	44,44,44,44	0
58	MG	2A	3751	1/1	0.94	0.12	56,56,56,56	0
58	MG	2a	1777	1/1	0.94	0.18	53,53,53,53	0
58	MG	2A	3147	1/1	0.94	0.13	32,32,32,32	0
58	MG	2A	3149	1/1	0.94	0.14	50,50,50,50	0
58	MG	2A	3418	1/1	0.94	0.20	39,39,39,39	0
58	MG	1A	4004	1/1	0.94	0.07	44,44,44,44	0
58	MG	1A	4005	1/1	0.94	0.06	42,42,42,42	0
58	MG	1A	3366	1/1	0.94	0.08	48,48,48,48	0
58	MG	1A	3217	1/1	0.94	0.06	48,48,48,48	0
58	MG	2A	3156	1/1	0.94	0.09	26,26,26,26	0
58	MG	1A	3156	1/1	0.94	0.17	33,33,33,33	0
58	MG	1O	202	1/1	0.94	0.19	47,47,47,47	0
58	MG	1A	3301	1/1	0.94	0.33	57,57,57,57	0
58	MG	2A	3164	1/1	0.94	0.07	33,33,33,33	0
58	MG	2a	1794	1/1	0.94	0.11	51,51,51,51	0
58	MG	1A	3553	1/1	0.94	0.10	41,41,41,41	0
58	MG	2a	1797	1/1	0.94	0.09	50,50,50,50	0
58	MG	2A	3771	1/1	0.94	0.07	50,50,50,50	0
58	MG	2A	3778	1/1	0.94	0.12	46,46,46,46	0
58	MG	2A	3779	1/1	0.94	0.05	45,45,45,45	0
58	MG	1A	3377	1/1	0.94	0.12	35,35,35,35	0
58	MG	2A	3167	1/1	0.94	0.09	36,36,36,36	0
58	MG	1Q	202	1/1	0.94	0.24	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2a	1805	1/1	0.94	0.15	52,52,52,52	0
58	MG	2a	1806	1/1	0.94	0.09	47,47,47,47	0
58	MG	2a	1808	1/1	0.94	0.14	48,48,48,48	0
58	MG	2A	3170	1/1	0.94	0.06	53,53,53,53	0
58	MG	1a	1738	1/1	0.94	0.09	48,48,48,48	0
58	MG	1Q	208	1/1	0.94	0.07	33,33,33,33	0
58	MG	1A	4016	1/1	0.94	0.06	21,21,21,21	0
58	MG	1A	3024	1/1	0.94	0.12	50,50,50,50	0
58	MG	1A	4020	1/1	0.94	0.05	38,38,38,38	0
58	MG	1A	3462	1/1	0.94	0.07	43,43,43,43	0
58	MG	2A	3452	1/1	0.94	0.22	41,41,41,41	0
58	MG	2A	3182	1/1	0.94	0.19	51,51,51,51	0
58	MG	2A	3183	1/1	0.94	0.09	41,41,41,41	0
58	MG	2A	3456	1/1	0.94	0.13	44,44,44,44	0
58	MG	2A	3457	1/1	0.94	0.19	45,45,45,45	0
58	MG	1A	3382	1/1	0.94	0.08	41,41,41,41	0
58	MG	1a	1748	1/1	0.94	0.07	44,44,44,44	0
58	MG	1A	3130	1/1	0.94	0.07	26,26,26,26	0
58	MG	2A	3469	1/1	0.94	0.08	46,46,46,46	0
58	MG	1W	201	1/1	0.94	0.17	41,41,41,41	0
58	MG	1a	1754	1/1	0.94	0.15	64,64,64,64	0
58	MG	1A	3787	1/1	0.94	0.07	43,43,43,43	0
58	MG	1X	105	1/1	0.94	0.07	32,32,32,32	0
58	MG	2A	3475	1/1	0.94	0.08	52,52,52,52	0
58	MG	1A	3788	1/1	0.94	0.06	34,34,34,34	0
58	MG	2A	3196	1/1	0.94	0.13	36,36,36,36	0
58	MG	1A	3334	1/1	0.94	0.08	37,37,37,37	0
58	MG	2k	201	1/1	0.94	0.13	55,55,55,55	0
58	MG	1A	4027	1/1	0.94	0.10	61,61,61,61	0
58	MG	1A	3907	1/1	0.94	0.07	16,16,16,16	0
58	MG	1A	3795	1/1	0.94	0.08	49,49,49,49	0
58	MG	2A	3493	1/1	0.94	0.09	32,32,32,32	0
58	MG	2A	3836	1/1	0.94	0.11	37,37,37,37	0
58	MG	2A	3837	1/1	0.94	0.06	47,47,47,47	0
58	MG	2A	3202	1/1	0.94	0.16	55,55,55,55	0
58	MG	10	104	1/1	0.94	0.10	45,45,45,45	0
58	MG	2A	3501	1/1	0.94	0.08	50,50,50,50	0
58	MG	1A	3089	1/1	0.94	0.11	41,41,41,41	0
58	MG	10	106	1/1	0.94	0.12	57,57,57,57	0
58	MG	1a	1773	1/1	0.94	0.08	57,57,57,57	0
58	MG	1a	1774	1/1	0.94	0.08	63,63,63,63	0
58	MG	1A	4033	1/1	0.94	0.11	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3512	1/1	0.94	0.08	65,65,65,65	0
58	MG	2A	3513	1/1	0.94	0.07	47,47,47,47	0
58	MG	1A	3799	1/1	0.94	0.07	34,34,34,34	0
58	MG	2A	3853	1/1	0.94	0.07	55,55,55,55	0
58	MG	1A	3141	1/1	0.94	0.08	37,37,37,37	0
58	MG	1a	1788	1/1	0.95	0.09	46,46,46,46	0
58	MG	2A	3488	1/1	0.95	0.11	51,51,51,51	0
58	MG	1A	3122	1/1	0.95	0.08	32,32,32,32	0
58	MG	2A	3490	1/1	0.95	0.06	34,34,34,34	0
58	MG	2A	3491	1/1	0.95	0.07	43,43,43,43	0
58	MG	2A	3206	1/1	0.95	0.12	44,44,44,44	0
58	MG	12	102	1/1	0.95	0.09	38,38,38,38	0
58	MG	2A	3849	1/1	0.95	0.09	48,48,48,48	0
58	MG	2A	3209	1/1	0.95	0.06	37,37,37,37	0
58	MG	2A	3495	1/1	0.95	0.22	57,57,57,57	0
58	MG	1A	3062	1/1	0.95	0.07	44,44,44,44	0
58	MG	2A	3500	1/1	0.95	0.06	47,47,47,47	0
58	MG	2A	3211	1/1	0.95	0.07	41,41,41,41	0
58	MG	1A	3910	1/1	0.95	0.15	29,29,29,29	0
58	MG	2A	3858	1/1	0.95	0.08	53,53,53,53	0
58	MG	2A	3213	1/1	0.95	0.11	56,56,56,56	0
58	MG	1A	3435	1/1	0.95	0.10	40,40,40,40	0
58	MG	1A	3064	1/1	0.95	0.14	45,45,45,45	0
58	MG	1a	1797	1/1	0.95	0.06	67,67,67,67	0
58	MG	2A	3863	1/1	0.95	0.17	44,44,44,44	0
58	MG	1a	1798	1/1	0.95	0.07	54,54,54,54	0
58	MG	1A	3780	1/1	0.95	0.09	22,22,22,22	0
58	MG	1A	3915	1/1	0.95	0.09	44,44,44,44	0
58	MG	1A	3273	1/1	0.95	0.15	28,28,28,28	0
58	MG	1a	1804	1/1	0.95	0.17	43,43,43,43	0
58	MG	18	105	1/1	0.95	0.10	52,52,52,52	0
58	MG	1A	4050	1/1	0.95	0.07	27,27,27,27	0
58	MG	1A	3316	1/1	0.95	0.12	46,46,46,46	0
58	MG	1A	3362	1/1	0.95	0.08	33,33,33,33	0
58	MG	2A	3522	1/1	0.95	0.13	37,37,37,37	0
58	MG	2A	3523	1/1	0.95	0.08	36,36,36,36	0
58	MG	2B	213	1/1	0.95	0.24	57,57,57,57	0
58	MG	1A	3920	1/1	0.95	0.10	33,33,33,33	0
58	MG	1A	4057	1/1	0.95	0.04	22,22,22,22	0
58	MG	2B	217	1/1	0.95	0.06	46,46,46,46	0
58	MG	2A	3233	1/1	0.95	0.17	44,44,44,44	0
58	MG	1A	3536	1/1	0.95	0.07	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3165	1/1	0.95	0.07	42,42,42,42	0
58	MG	2D	302	1/1	0.95	0.17	55,55,55,55	0
58	MG	2A	3534	1/1	0.95	0.07	45,45,45,45	0
58	MG	1A	3320	1/1	0.95	0.06	22,22,22,22	0
58	MG	1A	3791	1/1	0.95	0.10	27,27,27,27	0
58	MG	1e	202	1/1	0.95	0.09	54,54,54,54	0
58	MG	2A	3538	1/1	0.95	0.05	27,27,27,27	0
58	MG	2A	3540	1/1	0.95	0.13	58,58,58,58	0
58	MG	1f	202	1/1	0.95	0.09	47,47,47,47	0
58	MG	2A	3245	1/1	0.95	0.07	35,35,35,35	0
58	MG	1A	3323	1/1	0.95	0.07	31,31,31,31	0
58	MG	1A	3673	1/1	0.95	0.07	16,16,16,16	0
58	MG	2F	306	1/1	0.95	0.19	40,40,40,40	0
58	MG	1A	3449	1/1	0.95	0.12	35,35,35,35	0
58	MG	2A	3249	1/1	0.95	0.14	58,58,58,58	0
58	MG	1A	3450	1/1	0.95	0.25	31,31,31,31	0
58	MG	1A	3451	1/1	0.95	0.13	26,26,26,26	0
58	MG	2A	3554	1/1	0.95	0.06	49,49,49,49	0
58	MG	2A	3557	1/1	0.95	0.10	29,29,29,29	0
58	MG	2A	3252	1/1	0.95	0.12	64,64,64,64	0
58	MG	2A	3561	1/1	0.95	0.12	43,43,43,43	0
58	MG	2U	201	1/1	0.95	0.15	38,38,38,38	0
58	MG	1a	1619	1/1	0.95	0.08	48,48,48,48	0
58	MG	1A	3067	1/1	0.95	0.04	23,23,23,23	0
58	MG	2A	3565	1/1	0.95	0.07	25,25,25,25	0
58	MG	1A	3804	1/1	0.95	0.09	43,43,43,43	0
58	MG	2Y	201	1/1	0.95	0.10	45,45,45,45	0
58	MG	2A	3567	1/1	0.95	0.09	53,53,53,53	0
58	MG	1A	3679	1/1	0.95	0.05	21,21,21,21	0
58	MG	1w	108	1/1	0.95	0.07	33,33,33,33	0
58	MG	1A	3092	1/1	0.95	0.06	47,47,47,47	0
58	MG	1A	3255	1/1	0.95	0.06	53,53,53,53	0
58	MG	2A	3574	1/1	0.95	0.10	42,42,42,42	0
58	MG	2A	3260	1/1	0.95	0.06	44,44,44,44	0
58	MG	2A	3261	1/1	0.95	0.10	42,42,42,42	0
58	MG	25	103	1/1	0.95	0.08	57,57,57,57	0
58	MG	1A	3557	1/1	0.95	0.10	33,33,33,33	0
58	MG	1A	3683	1/1	0.95	0.08	21,21,21,21	0
58	MG	2A	3579	1/1	0.95	0.10	48,48,48,48	0
58	MG	1A	3685	1/1	0.95	0.06	15,15,15,15	0
58	MG	1A	3558	1/1	0.95	0.09	18,18,18,18	0
58	MG	28	101	1/1	0.95	0.11	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1a	1633	1/1	0.95	0.15	45,45,45,45	0
58	MG	1A	3559	1/1	0.95	0.11	42,42,42,42	0
58	MG	1A	4090	1/1	0.95	0.16	50,50,50,50	0
58	MG	1a	1638	1/1	0.95	0.21	45,45,45,45	0
58	MG	1A	3951	1/1	0.95	0.07	53,53,53,53	0
58	MG	2A	3588	1/1	0.95	0.15	53,53,53,53	0
58	MG	2A	3589	1/1	0.95	0.06	37,37,37,37	0
58	MG	1a	1640	1/1	0.95	0.19	47,47,47,47	0
58	MG	1A	3952	1/1	0.95	0.05	39,39,39,39	0
58	MG	1A	3562	1/1	0.95	0.14	29,29,29,29	0
58	MG	2A	3276	1/1	0.95	0.09	52,52,52,52	0
58	MG	1a	1643	1/1	0.95	0.07	55,55,55,55	0
58	MG	2A	3278	1/1	0.95	0.08	58,58,58,58	0
58	MG	1A	3819	1/1	0.95	0.19	17,17,17,17	0
58	MG	1a	1646	1/1	0.95	0.09	33,33,33,33	0
58	MG	2A	3010	1/1	0.95	0.17	54,54,54,54	0
58	MG	1A	3563	1/1	0.95	0.11	34,34,34,34	0
58	MG	2A	3014	1/1	0.95	0.06	36,36,36,36	0
58	MG	1A	3376	1/1	0.95	0.10	41,41,41,41	0
58	MG	2A	3017	1/1	0.95	0.20	48,48,48,48	0
58	MG	2A	3020	1/1	0.95	0.14	55,55,55,55	0
58	MG	1a	1650	1/1	0.95	0.09	42,42,42,42	0
58	MG	1A	3823	1/1	0.95	0.06	27,27,27,27	0
58	MG	2A	3029	1/1	0.95	0.11	41,41,41,41	0
58	MG	1A	3132	1/1	0.95	0.10	36,36,36,36	0
58	MG	1A	4101	1/1	0.95	0.10	46,46,46,46	0
58	MG	2A	3298	1/1	0.95	0.06	41,41,41,41	0
58	MG	1A	3378	1/1	0.95	0.21	39,39,39,39	0
58	MG	2A	3035	1/1	0.95	0.07	31,31,31,31	0
58	MG	2A	3302	1/1	0.95	0.10	62,62,62,62	0
58	MG	1a	1661	1/1	0.95	0.17	58,58,58,58	0
58	MG	1A	3696	1/1	0.95	0.04	28,28,28,28	0
58	MG	1A	3104	1/1	0.95	0.07	26,26,26,26	0
58	MG	2A	3627	1/1	0.95	0.07	34,34,34,34	0
58	MG	1A	3571	1/1	0.95	0.08	27,27,27,27	0
58	MG	1A	3573	1/1	0.95	0.04	11,11,11,11	0
58	MG	2A	3308	1/1	0.95	0.07	40,40,40,40	0
58	MG	1A	4107	1/1	0.95	0.23	51,51,51,51	0
58	MG	2A	3311	1/1	0.95	0.09	35,35,35,35	0
58	MG	1A	3966	1/1	0.95	0.07	44,44,44,44	0
58	MG	1A	3381	1/1	0.95	0.07	39,39,39,39	0
58	MG	1a	1670	1/1	0.95	0.10	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1B	201	1/1	0.95	0.13	45,45,45,45	0
58	MG	1A	3577	1/1	0.95	0.09	35,35,35,35	0
58	MG	2a	1648	1/1	0.95	0.08	56,56,56,56	0
58	MG	1A	3839	1/1	0.95	0.09	29,29,29,29	0
58	MG	1B	208	1/1	0.95	0.07	48,48,48,48	0
58	MG	1A	3183	1/1	0.95	0.15	49,49,49,49	0
58	MG	2a	1654	1/1	0.95	0.13	54,54,54,54	0
58	MG	1B	212	1/1	0.95	0.10	33,33,33,33	0
58	MG	2a	1656	1/1	0.95	0.16	50,50,50,50	0
58	MG	1A	3975	1/1	0.95	0.09	16,16,16,16	0
58	MG	2A	3324	1/1	0.95	0.09	61,61,61,61	0
58	MG	2A	3325	1/1	0.95	0.12	46,46,46,46	0
58	MG	1A	3841	1/1	0.95	0.10	40,40,40,40	0
58	MG	1B	222	1/1	0.95	0.06	52,52,52,52	0
58	MG	2A	3653	1/1	0.95	0.14	38,38,38,38	0
58	MG	1B	223	1/1	0.95	0.08	40,40,40,40	0
58	MG	1a	1684	1/1	0.95	0.06	37,37,37,37	0
58	MG	1A	3842	1/1	0.95	0.08	50,50,50,50	0
58	MG	2A	3657	1/1	0.95	0.10	46,46,46,46	0
58	MG	1B	226	1/1	0.95	0.07	36,36,36,36	0
58	MG	2A	3068	1/1	0.95	0.05	34,34,34,34	0
58	MG	2a	1671	1/1	0.95	0.11	53,53,53,53	0
58	MG	1A	3704	1/1	0.95	0.07	48,48,48,48	0
58	MG	2A	3335	1/1	0.95	0.07	32,32,32,32	0
58	MG	1A	3982	1/1	0.95	0.05	49,49,49,49	0
58	MG	2A	3337	1/1	0.95	0.10	56,56,56,56	0
58	MG	2a	1678	1/1	0.95	0.19	52,52,52,52	0
58	MG	1B	229	1/1	0.95	0.07	37,37,37,37	0
58	MG	1A	3468	1/1	0.95	0.06	25,25,25,25	0
58	MG	2A	3074	1/1	0.95	0.14	58,58,58,58	0
58	MG	2A	3075	1/1	0.95	0.10	35,35,35,35	0
58	MG	2A	3079	1/1	0.95	0.07	42,42,42,42	0
58	MG	2A	3343	1/1	0.95	0.10	50,50,50,50	0
58	MG	2A	3080	1/1	0.95	0.11	41,41,41,41	0
58	MG	2A	3672	1/1	0.95	0.09	51,51,51,51	0
58	MG	2A	3081	1/1	0.95	0.06	42,42,42,42	0
58	MG	2a	1692	1/1	0.95	0.25	55,55,55,55	0
58	MG	1A	3220	1/1	0.95	0.08	49,49,49,49	0
58	MG	2a	1697	1/1	0.95	0.20	57,57,57,57	0
58	MG	2A	3084	1/1	0.95	0.13	48,48,48,48	0
58	MG	2A	3349	1/1	0.95	0.10	60,60,60,60	0
58	MG	2a	1700	1/1	0.95	0.16	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3473	1/1	0.95	0.12	53,53,53,53	0
58	MG	2A	3089	1/1	0.95	0.07	45,45,45,45	0
58	MG	1A	3596	1/1	0.95	0.12	37,37,37,37	0
58	MG	1B	234	1/1	0.95	0.07	33,33,33,33	0
58	MG	2a	1707	1/1	0.95	0.10	51,51,51,51	0
58	MG	1A	3988	1/1	0.95	0.05	32,32,32,32	0
58	MG	1A	3849	1/1	0.95	0.08	54,54,54,54	0
58	MG	1A	3223	1/1	0.95	0.07	31,31,31,31	0
58	MG	1a	1700	1/1	0.95	0.28	52,52,52,52	0
58	MG	2A	3358	1/1	0.95	0.10	55,55,55,55	0
58	MG	2a	1715	1/1	0.95	0.08	53,53,53,53	0
58	MG	1a	1702	1/1	0.95	0.25	52,52,52,52	0
58	MG	1A	3713	1/1	0.95	0.08	19,19,19,19	0
58	MG	1a	1704	1/1	0.95	0.09	37,37,37,37	0
58	MG	1A	3392	1/1	0.95	0.15	22,22,22,22	0
58	MG	2A	3363	1/1	0.95	0.08	52,52,52,52	0
58	MG	1a	1708	1/1	0.95	0.09	55,55,55,55	0
58	MG	1A	3855	1/1	0.95	0.08	52,52,52,52	0
58	MG	2A	3367	1/1	0.95	0.10	52,52,52,52	0
58	MG	1A	3396	1/1	0.95	0.20	29,29,29,29	0
58	MG	2a	1726	1/1	0.95	0.14	46,46,46,46	0
58	MG	1A	3303	1/1	0.95	0.09	22,22,22,22	0
58	MG	1A	3402	1/1	0.95	0.15	30,30,30,30	0
58	MG	2a	1729	1/1	0.95	0.18	43,43,43,43	0
58	MG	2a	1730	1/1	0.95	0.22	60,60,60,60	0
58	MG	2a	1731	1/1	0.95	0.14	53,53,53,53	0
58	MG	2A	3371	1/1	0.95	0.14	51,51,51,51	0
58	MG	1E	314	1/1	0.95	0.07	34,34,34,34	0
58	MG	1a	1716	1/1	0.95	0.14	39,39,39,39	0
58	MG	1F	303	1/1	0.95	0.10	23,23,23,23	0
58	MG	1F	305	1/1	0.95	0.08	34,34,34,34	0
58	MG	2a	1738	1/1	0.95	0.25	62,62,62,62	0
58	MG	2A	3713	1/1	0.95	0.18	53,53,53,53	0
58	MG	2A	3383	1/1	0.95	0.08	45,45,45,45	0
58	MG	1A	3405	1/1	0.95	0.10	37,37,37,37	0
58	MG	1A	3723	1/1	0.95	0.07	40,40,40,40	0
58	MG	1F	312	1/1	0.95	0.09	44,44,44,44	0
58	MG	2A	3388	1/1	0.95	0.08	51,51,51,51	0
58	MG	2A	3124	1/1	0.95	0.14	44,44,44,44	0
58	MG	2A	3126	1/1	0.95	0.06	58,58,58,58	0
58	MG	2A	3722	1/1	0.95	0.07	49,49,49,49	0
58	MG	1A	3305	1/1	0.95	0.16	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3130	1/1	0.95	0.09	44,44,44,44	0
58	MG	2a	1754	1/1	0.95	0.09	60,60,60,60	0
58	MG	1G	203	1/1	0.95	0.06	50,50,50,50	0
58	MG	2A	3395	1/1	0.95	0.08	42,42,42,42	0
58	MG	1A	3487	1/1	0.95	0.09	30,30,30,30	0
58	MG	2a	1759	1/1	0.95	0.06	59,59,59,59	0
58	MG	1A	3730	1/1	0.95	0.09	41,41,41,41	0
58	MG	2A	3139	1/1	0.95	0.07	53,53,53,53	0
58	MG	1A	3490	1/1	0.95	0.07	33,33,33,33	0
58	MG	2A	3142	1/1	0.95	0.24	47,47,47,47	0
58	MG	2a	1767	1/1	0.95	0.06	59,59,59,59	0
58	MG	2a	1770	1/1	0.95	0.11	48,48,48,48	0
58	MG	2a	1771	1/1	0.95	0.12	57,57,57,57	0
58	MG	2A	3145	1/1	0.95	0.09	43,43,43,43	0
58	MG	1a	1731	1/1	0.95	0.07	48,48,48,48	0
58	MG	1N	204	1/1	0.95	0.16	37,37,37,37	0
58	MG	2A	3407	1/1	0.95	0.07	54,54,54,54	0
58	MG	1A	3491	1/1	0.95	0.06	30,30,30,30	0
58	MG	1a	1735	1/1	0.95	0.06	42,42,42,42	0
58	MG	1A	3737	1/1	0.95	0.08	41,41,41,41	0
58	MG	1A	3493	1/1	0.95	0.12	43,43,43,43	0
58	MG	2a	1784	1/1	0.95	0.07	53,53,53,53	0
58	MG	1A	3410	1/1	0.95	0.09	37,37,37,37	0
58	MG	1A	3338	1/1	0.95	0.13	46,46,46,46	0
58	MG	1A	3263	1/1	0.95	0.06	40,40,40,40	0
58	MG	2A	3415	1/1	0.95	0.14	58,58,58,58	0
58	MG	2A	3417	1/1	0.95	0.06	48,48,48,48	0
58	MG	2A	3159	1/1	0.95	0.07	42,42,42,42	0
58	MG	1a	1742	1/1	0.95	0.09	40,40,40,40	0
58	MG	1Q	205	1/1	0.95	0.09	61,61,61,61	0
58	MG	1A	3622	1/1	0.95	0.08	42,42,42,42	0
58	MG	2A	3761	1/1	0.95	0.07	63,63,63,63	0
58	MG	2A	3762	1/1	0.95	0.07	46,46,46,46	0
58	MG	1A	3340	1/1	0.95	0.06	36,36,36,36	0
58	MG	1S	201	1/1	0.95	0.08	35,35,35,35	0
58	MG	1A	3140	1/1	0.95	0.09	29,29,29,29	0
58	MG	2A	3768	1/1	0.95	0.10	37,37,37,37	0
58	MG	2A	3428	1/1	0.95	0.13	33,33,33,33	0
58	MG	1A	4017	1/1	0.95	0.04	16,16,16,16	0
58	MG	1A	3629	1/1	0.95	0.05	28,28,28,28	0
58	MG	2A	3776	1/1	0.95	0.12	55,55,55,55	0
58	MG	1A	3111	1/1	0.95	0.06	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3420	1/1	0.95	0.10	43,43,43,43	0
58	MG	2A	3437	1/1	0.95	0.19	51,51,51,51	0
58	MG	2A	3782	1/1	0.95	0.08	38,38,38,38	0
58	MG	1A	3757	1/1	0.95	0.15	47,47,47,47	0
58	MG	2a	1813	1/1	0.95	0.16	59,59,59,59	0
58	MG	2a	1814	1/1	0.95	0.07	49,49,49,49	0
58	MG	2A	3784	1/1	0.95	0.12	48,48,48,48	0
58	MG	1A	3505	1/1	0.95	0.11	39,39,39,39	0
58	MG	2A	3176	1/1	0.95	0.08	47,47,47,47	0
58	MG	2A	3787	1/1	0.95	0.09	58,58,58,58	0
58	MG	1a	1762	1/1	0.95	0.05	41,41,41,41	0
58	MG	2A	3442	1/1	0.95	0.07	42,42,42,42	0
58	MG	1A	3421	1/1	0.95	0.10	31,31,31,31	0
58	MG	2A	3180	1/1	0.95	0.14	55,55,55,55	0
58	MG	2A	3181	1/1	0.95	0.06	37,37,37,37	0
58	MG	1A	3347	1/1	0.95	0.06	39,39,39,39	0
58	MG	2A	3798	1/1	0.95	0.07	46,46,46,46	0
58	MG	1A	3764	1/1	0.95	0.10	39,39,39,39	0
58	MG	2A	3184	1/1	0.95	0.10	35,35,35,35	0
58	MG	1A	3509	1/1	0.95	0.10	52,52,52,52	0
58	MG	2a	1834	1/1	0.95	0.14	62,62,62,62	0
58	MG	1a	1769	1/1	0.95	0.05	35,35,35,35	0
58	MG	1A	3350	1/1	0.95	0.16	54,54,54,54	0
58	MG	2A	3189	1/1	0.95	0.09	48,48,48,48	0
58	MG	1A	3426	1/1	0.95	0.06	37,37,37,37	0
58	MG	2A	3458	1/1	0.95	0.22	51,51,51,51	0
58	MG	10	101	1/1	0.95	0.14	32,32,32,32	0
58	MG	2A	3460	1/1	0.95	0.18	40,40,40,40	0
58	MG	1A	3516	1/1	0.95	0.10	42,42,42,42	0
58	MG	2A	3464	1/1	0.95	0.10	31,31,31,31	0
58	MG	1A	3227	1/1	0.95	0.05	32,32,32,32	0
58	MG	1A	3093	1/1	0.95	0.06	21,21,21,21	0
58	MG	2A	3195	1/1	0.95	0.08	62,62,62,62	0
58	MG	1A	4036	1/1	0.95	0.05	28,28,28,28	0
58	MG	2A	3819	1/1	0.95	0.08	43,43,43,43	0
58	MG	2A	3821	1/1	0.95	0.09	40,40,40,40	0
58	MG	2r	101	1/1	0.95	0.06	44,44,44,44	0
58	MG	2A	3822	1/1	0.95	0.06	29,29,29,29	0
58	MG	1A	3900	1/1	0.95	0.05	20,20,20,20	0
58	MG	1a	1781	1/1	0.95	0.08	36,36,36,36	0
58	MG	2v	104	1/1	0.95	0.13	59,59,59,59	0
58	MG	1A	3901	1/1	0.95	0.09	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3476	1/1	0.95	0.11	38,38,38,38	0
58	MG	1A	3774	1/1	0.95	0.10	26,26,26,26	0
58	MG	2A	3835	1/1	0.95	0.11	57,57,57,57	0
58	MG	1A	3431	1/1	0.95	0.07	41,41,41,41	0
58	MG	2A	3482	1/1	0.95	0.28	43,43,43,43	0
58	MG	2x	105	1/1	0.95	0.07	59,59,59,59	0
58	MG	2A	3838	1/1	0.95	0.07	63,63,63,63	0
58	MG	2x	107	1/1	0.95	0.14	45,45,45,45	0
58	MG	1a	1785	1/1	0.95	0.07	48,48,48,48	0
58	MG	2A	3022	1/1	0.96	0.14	35,35,35,35	0
58	MG	2A	3556	1/1	0.96	0.14	41,41,41,41	0
58	MG	2B	210	1/1	0.96	0.09	49,49,49,49	0
58	MG	2A	3023	1/1	0.96	0.07	49,49,49,49	0
58	MG	2A	3558	1/1	0.96	0.09	35,35,35,35	0
58	MG	1a	1654	1/1	0.96	0.14	46,46,46,46	0
58	MG	2B	214	1/1	0.96	0.07	48,48,48,48	0
58	MG	2A	3560	1/1	0.96	0.09	55,55,55,55	0
58	MG	1A	3513	1/1	0.96	0.09	50,50,50,50	0
58	MG	2A	3026	1/1	0.96	0.13	40,40,40,40	0
58	MG	2A	3027	1/1	0.96	0.05	32,32,32,32	0
58	MG	1a	1656	1/1	0.96	0.16	47,47,47,47	0
58	MG	2A	3285	1/1	0.96	0.08	47,47,47,47	0
58	MG	1A	4100	1/1	0.96	0.15	50,50,50,50	0
58	MG	2D	305	1/1	0.96	0.11	45,45,45,45	0
58	MG	1A	3647	1/1	0.96	0.05	15,15,15,15	0
58	MG	1a	1659	1/1	0.96	0.05	40,40,40,40	0
58	MG	2A	3571	1/1	0.96	0.07	30,30,30,30	0
58	MG	2E	302	1/1	0.96	0.08	45,45,45,45	0
58	MG	1A	3213	1/1	0.96	0.08	33,33,33,33	0
58	MG	1A	3288	1/1	0.96	0.09	27,27,27,27	0
58	MG	2A	3292	1/1	0.96	0.17	53,53,53,53	0
58	MG	2A	3037	1/1	0.96	0.15	47,47,47,47	0
58	MG	1A	3341	1/1	0.96	0.11	48,48,48,48	0
58	MG	2A	3040	1/1	0.96	0.06	40,40,40,40	0
58	MG	1A	3342	1/1	0.96	0.08	44,44,44,44	0
58	MG	2F	305	1/1	0.96	0.10	33,33,33,33	0
58	MG	1A	3789	1/1	0.96	0.07	30,30,30,30	0
58	MG	1A	3519	1/1	0.96	0.10	23,23,23,23	0
58	MG	1A	3215	1/1	0.96	0.05	40,40,40,40	0
58	MG	2P	201	1/1	0.96	0.06	46,46,46,46	0
58	MG	1A	3521	1/1	0.96	0.06	26,26,26,26	0
58	MG	1A	3796	1/1	0.96	0.08	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3797	1/1	0.96	0.05	22,22,22,22	0
58	MG	2A	3585	1/1	0.96	0.19	62,62,62,62	0
58	MG	2A	3048	1/1	0.96	0.07	45,45,45,45	0
58	MG	1B	206	1/1	0.96	0.14	39,39,39,39	0
58	MG	2A	3051	1/1	0.96	0.06	38,38,38,38	0
58	MG	2U	202	1/1	0.96	0.04	36,36,36,36	0
58	MG	2V	201	1/1	0.96	0.11	45,45,45,45	0
58	MG	2A	3052	1/1	0.96	0.19	55,55,55,55	0
58	MG	1A	3657	1/1	0.96	0.08	22,22,22,22	0
58	MG	1a	1673	1/1	0.96	0.17	54,54,54,54	0
58	MG	2A	3310	1/1	0.96	0.07	55,55,55,55	0
58	MG	1A	3345	1/1	0.96	0.08	45,45,45,45	0
58	MG	2A	3312	1/1	0.96	0.10	55,55,55,55	0
58	MG	1A	3432	1/1	0.96	0.07	43,43,43,43	0
58	MG	1B	211	1/1	0.96	0.07	43,43,43,43	0
58	MG	2A	3604	1/1	0.96	0.09	47,47,47,47	0
58	MG	1A	3801	1/1	0.96	0.04	17,17,17,17	0
58	MG	1B	213	1/1	0.96	0.10	46,46,46,46	0
58	MG	1B	215	1/1	0.96	0.05	39,39,39,39	0
58	MG	1A	3145	1/1	0.96	0.06	44,44,44,44	0
58	MG	1B	217	1/1	0.96	0.06	58,58,58,58	0
58	MG	1B	218	1/1	0.96	0.08	42,42,42,42	0
58	MG	2A	3321	1/1	0.96	0.06	45,45,45,45	0
58	MG	1a	1685	1/1	0.96	0.07	46,46,46,46	0
58	MG	1A	3803	1/1	0.96	0.10	49,49,49,49	0
58	MG	2A	3614	1/1	0.96	0.07	61,61,61,61	0
58	MG	2A	3615	1/1	0.96	0.11	50,50,50,50	0
58	MG	1A	3025	1/1	0.96	0.09	34,34,34,34	0
58	MG	1A	3294	1/1	0.96	0.05	25,25,25,25	0
58	MG	1B	224	1/1	0.96	0.07	34,34,34,34	0
58	MG	1A	3962	1/1	0.96	0.06	38,38,38,38	0
58	MG	1A	3529	1/1	0.96	0.12	47,47,47,47	0
58	MG	1A	3668	1/1	0.96	0.08	43,43,43,43	0
58	MG	2A	3078	1/1	0.96	0.06	20,20,20,20	0
58	MG	1A	3669	1/1	0.96	0.06	19,19,19,19	0
58	MG	1A	3670	1/1	0.96	0.04	21,21,21,21	0
58	MG	1A	3968	1/1	0.96	0.10	43,43,43,43	0
58	MG	2a	1610	1/1	0.96	0.10	47,47,47,47	0
58	MG	2a	1611	1/1	0.96	0.14	51,51,51,51	0
58	MG	1A	3005	1/1	0.96	0.08	30,30,30,30	0
58	MG	1A	3154	1/1	0.96	0.08	33,33,33,33	0
58	MG	2A	3085	1/1	0.96	0.06	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3630	1/1	0.96	0.06	33,33,33,33	0
58	MG	2A	3086	1/1	0.96	0.09	45,45,45,45	0
58	MG	2A	3632	1/1	0.96	0.12	32,32,32,32	0
58	MG	1A	3155	1/1	0.96	0.09	34,34,34,34	0
58	MG	1A	3537	1/1	0.96	0.09	31,31,31,31	0
58	MG	1a	1701	1/1	0.96	0.15	44,44,44,44	0
58	MG	1A	3538	1/1	0.96	0.17	36,36,36,36	0
58	MG	1A	3065	1/1	0.96	0.08	27,27,27,27	0
58	MG	2A	3094	1/1	0.96	0.06	31,31,31,31	0
58	MG	2A	3095	1/1	0.96	0.07	37,37,37,37	0
58	MG	1A	3441	1/1	0.96	0.11	39,39,39,39	0
58	MG	2A	3644	1/1	0.96	0.10	50,50,50,50	0
58	MG	2A	3097	1/1	0.96	0.07	60,60,60,60	0
58	MG	1a	1705	1/1	0.96	0.06	46,46,46,46	0
58	MG	1a	1706	1/1	0.96	0.13	49,49,49,49	0
58	MG	1A	3013	1/1	0.96	0.05	22,22,22,22	0
58	MG	1D	301	1/1	0.96	0.13	47,47,47,47	0
58	MG	1a	1709	1/1	0.96	0.07	52,52,52,52	0
58	MG	1D	308	1/1	0.96	0.07	26,26,26,26	0
58	MG	1A	3228	1/1	0.96	0.09	39,39,39,39	0
58	MG	1A	3547	1/1	0.96	0.13	40,40,40,40	0
58	MG	1A	3445	1/1	0.96	0.17	31,31,31,31	0
58	MG	1A	3105	1/1	0.96	0.13	35,35,35,35	0
58	MG	1A	3829	1/1	0.96	0.14	22,22,22,22	0
58	MG	1A	3550	1/1	0.96	0.10	39,39,39,39	0
58	MG	1A	3448	1/1	0.96	0.08	35,35,35,35	0
58	MG	1A	3990	1/1	0.96	0.05	43,43,43,43	0
58	MG	1A	3832	1/1	0.96	0.04	18,18,18,18	0
58	MG	1A	3833	1/1	0.96	0.06	25,25,25,25	0
58	MG	2a	1645	1/1	0.96	0.20	57,57,57,57	0
58	MG	2A	3119	1/1	0.96	0.05	28,28,28,28	0
58	MG	2A	3366	1/1	0.96	0.08	50,50,50,50	0
58	MG	2A	3120	1/1	0.96	0.07	47,47,47,47	0
58	MG	1A	3552	1/1	0.96	0.09	40,40,40,40	0
58	MG	1A	3068	1/1	0.96	0.05	23,23,23,23	0
58	MG	2a	1651	1/1	0.96	0.08	38,38,38,38	0
58	MG	2a	1652	1/1	0.96	0.07	49,49,49,49	0
58	MG	1F	314	1/1	0.96	0.10	40,40,40,40	0
58	MG	1A	3554	1/1	0.96	0.06	48,48,48,48	0
58	MG	1a	1729	1/1	0.96	0.08	47,47,47,47	0
58	MG	2A	3128	1/1	0.96	0.16	45,45,45,45	0
58	MG	2A	3129	1/1	0.96	0.11	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3377	1/1	0.96	0.13	56,56,56,56	0
58	MG	2A	3378	1/1	0.96	0.06	52,52,52,52	0
58	MG	1A	3169	1/1	0.96	0.05	23,23,23,23	0
58	MG	2A	3380	1/1	0.96	0.09	47,47,47,47	0
58	MG	2A	3382	1/1	0.96	0.21	53,53,53,53	0
58	MG	1A	3236	1/1	0.96	0.07	35,35,35,35	0
58	MG	2A	3132	1/1	0.96	0.07	59,59,59,59	0
58	MG	1A	3365	1/1	0.96	0.06	36,36,36,36	0
58	MG	1N	202	1/1	0.96	0.06	48,48,48,48	0
58	MG	1A	3241	1/1	0.96	0.04	29,29,29,29	0
58	MG	2a	1668	1/1	0.96	0.11	58,58,58,58	0
58	MG	1A	3455	1/1	0.96	0.06	38,38,38,38	0
58	MG	2A	3687	1/1	0.96	0.10	50,50,50,50	0
58	MG	2a	1672	1/1	0.96	0.07	59,59,59,59	0
58	MG	2A	3390	1/1	0.96	0.07	43,43,43,43	0
58	MG	1A	3367	1/1	0.96	0.09	27,27,27,27	0
58	MG	1A	3170	1/1	0.96	0.09	38,38,38,38	0
58	MG	2a	1676	1/1	0.96	0.06	44,44,44,44	0
58	MG	1A	3115	1/1	0.96	0.07	32,32,32,32	0
58	MG	1A	3371	1/1	0.96	0.08	37,37,37,37	0
58	MG	1A	3373	1/1	0.96	0.09	26,26,26,26	0
58	MG	1A	3069	1/1	0.96	0.06	36,36,36,36	0
58	MG	1Q	207	1/1	0.96	0.18	36,36,36,36	0
58	MG	2a	1683	1/1	0.96	0.08	39,39,39,39	0
58	MG	1A	3852	1/1	0.96	0.04	34,34,34,34	0
58	MG	2a	1685	1/1	0.96	0.06	56,56,56,56	0
58	MG	2A	3702	1/1	0.96	0.09	50,50,50,50	0
58	MG	1A	3572	1/1	0.96	0.12	20,20,20,20	0
58	MG	1A	3706	1/1	0.96	0.05	35,35,35,35	0
58	MG	2A	3705	1/1	0.96	0.06	51,51,51,51	0
58	MG	1S	202	1/1	0.96	0.05	38,38,38,38	0
58	MG	1a	1751	1/1	0.96	0.07	45,45,45,45	0
58	MG	2a	1693	1/1	0.96	0.13	48,48,48,48	0
58	MG	1S	203	1/1	0.96	0.05	54,54,54,54	0
58	MG	2A	3405	1/1	0.96	0.09	54,54,54,54	0
58	MG	1A	4011	1/1	0.96	0.07	55,55,55,55	0
58	MG	1a	1757	1/1	0.96	0.10	43,43,43,43	0
58	MG	1T	202	1/1	0.96	0.06	37,37,37,37	0
58	MG	2a	1701	1/1	0.96	0.27	54,54,54,54	0
58	MG	1A	3466	1/1	0.96	0.07	50,50,50,50	0
58	MG	1U	207	1/1	0.96	0.12	25,25,25,25	0
58	MG	2a	1704	1/1	0.96	0.12	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	4013	1/1	0.96	0.07	43,43,43,43	0
58	MG	1A	3708	1/1	0.96	0.04	28,28,28,28	0
58	MG	1A	3709	1/1	0.96	0.08	20,20,20,20	0
58	MG	2a	1708	1/1	0.96	0.11	52,52,52,52	0
58	MG	2A	3172	1/1	0.96	0.05	39,39,39,39	0
58	MG	1A	3118	1/1	0.96	0.15	19,19,19,19	0
58	MG	1a	1767	1/1	0.96	0.11	41,41,41,41	0
58	MG	1A	3575	1/1	0.96	0.07	37,37,37,37	0
58	MG	1A	3253	1/1	0.96	0.09	46,46,46,46	0
58	MG	1A	3579	1/1	0.96	0.10	30,30,30,30	0
58	MG	1A	3581	1/1	0.96	0.09	35,35,35,35	0
58	MG	1A	3716	1/1	0.96	0.06	22,22,22,22	0
58	MG	2a	1718	1/1	0.96	0.12	57,57,57,57	0
58	MG	2A	3728	1/1	0.96	0.07	35,35,35,35	0
58	MG	1A	3584	1/1	0.96	0.10	31,31,31,31	0
58	MG	2A	3731	1/1	0.96	0.07	32,32,32,32	0
58	MG	1A	3869	1/1	0.96	0.05	31,31,31,31	0
58	MG	2A	3733	1/1	0.96	0.08	55,55,55,55	0
58	MG	2A	3734	1/1	0.96	0.10	36,36,36,36	0
58	MG	1A	3254	1/1	0.96	0.05	35,35,35,35	0
58	MG	2A	3736	1/1	0.96	0.08	44,44,44,44	0
58	MG	2A	3430	1/1	0.96	0.07	38,38,38,38	0
58	MG	2A	3431	1/1	0.96	0.20	49,49,49,49	0
58	MG	2A	3432	1/1	0.96	0.23	46,46,46,46	0
58	MG	1a	1777	1/1	0.96	0.10	58,58,58,58	0
58	MG	2A	3434	1/1	0.96	0.15	50,50,50,50	0
58	MG	2A	3743	1/1	0.96	0.06	55,55,55,55	0
58	MG	1A	3588	1/1	0.96	0.25	29,29,29,29	0
58	MG	1A	3120	1/1	0.96	0.09	38,38,38,38	0
58	MG	1A	3474	1/1	0.96	0.09	41,41,41,41	0
58	MG	2A	3748	1/1	0.96	0.11	38,38,38,38	0
58	MG	2A	3188	1/1	0.96	0.06	46,46,46,46	0
58	MG	1A	3380	1/1	0.96	0.12	23,23,23,23	0
58	MG	1A	3318	1/1	0.96	0.10	39,39,39,39	0
58	MG	11	102	1/1	0.96	0.07	36,36,36,36	0
58	MG	1A	4034	1/1	0.96	0.05	32,32,32,32	0
58	MG	1a	1786	1/1	0.96	0.11	50,50,50,50	0
58	MG	1A	3878	1/1	0.96	0.05	20,20,20,20	0
58	MG	2A	3446	1/1	0.96	0.18	42,42,42,42	0
58	MG	1A	3726	1/1	0.96	0.08	9,9,9,9	0
58	MG	1A	3727	1/1	0.96	0.09	42,42,42,42	0
58	MG	1A	3035	1/1	0.96	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
58	MG	2A	3760	1/1	0.96	0.10	57,57,57,57	0
58	MG	2A	3450	1/1	0.96	0.06	48,48,48,48	0
58	MG	13	101	1/1	0.96	0.05	40,40,40,40	0
58	MG	1A	3385	1/1	0.96	0.08	36,36,36,36	0
58	MG	2A	3764	1/1	0.96	0.06	43,43,43,43	0
58	MG	1A	3734	1/1	0.96	0.09	43,43,43,43	0
58	MG	1A	3600	1/1	0.96	0.06	34,34,34,34	0
58	MG	15	102	1/1	0.96	0.05	30,30,30,30	0
58	MG	2a	1763	1/1	0.96	0.06	42,42,42,42	0
58	MG	15	103	1/1	0.96	0.10	23,23,23,23	0
58	MG	2a	1765	1/1	0.96	0.06	48,48,48,48	0
58	MG	15	106	1/1	0.96	0.13	27,27,27,27	0
58	MG	1a	1801	1/1	0.96	0.06	52,52,52,52	0
58	MG	2A	3773	1/1	0.96	0.08	46,46,46,46	0
58	MG	2A	3774	1/1	0.96	0.06	44,44,44,44	0
58	MG	1a	1802	1/1	0.96	0.06	51,51,51,51	0
58	MG	2a	1773	1/1	0.96	0.13	50,50,50,50	0
58	MG	2A	3208	1/1	0.96	0.06	45,45,45,45	0
58	MG	1A	3603	1/1	0.96	0.07	37,37,37,37	0
58	MG	2A	3465	1/1	0.96	0.09	58,58,58,58	0
58	MG	2A	3466	1/1	0.96	0.07	47,47,47,47	0
58	MG	2a	1780	1/1	0.96	0.06	45,45,45,45	0
58	MG	1A	3738	1/1	0.96	0.11	50,50,50,50	0
58	MG	1A	3891	1/1	0.96	0.07	28,28,28,28	0
58	MG	18	101	1/1	0.96	0.12	39,39,39,39	0
58	MG	1A	3605	1/1	0.96	0.27	53,53,53,53	0
58	MG	1A	3015	1/1	0.96	0.08	26,26,26,26	0
58	MG	2a	1786	1/1	0.96	0.09	43,43,43,43	0
58	MG	2A	3215	1/1	0.96	0.14	53,53,53,53	0
58	MG	19	101	1/1	0.96	0.08	39,39,39,39	0
58	MG	1A	3607	1/1	0.96	0.08	53,53,53,53	0
58	MG	2A	3219	1/1	0.96	0.07	32,32,32,32	0
58	MG	1A	3322	1/1	0.96	0.05	43,43,43,43	0
58	MG	1A	3084	1/1	0.96	0.05	24,24,24,24	0
58	MG	1A	3485	1/1	0.96	0.08	37,37,37,37	0
58	MG	2A	3484	1/1	0.96	0.13	52,52,52,52	0
58	MG	1A	3324	1/1	0.96	0.08	38,38,38,38	0
58	MG	1A	3488	1/1	0.96	0.06	48,48,48,48	0
58	MG	1A	4055	1/1	0.96	0.07	36,36,36,36	0
58	MG	2A	3226	1/1	0.96	0.20	38,38,38,38	0
58	MG	2a	1800	1/1	0.96	0.17	52,52,52,52	0
58	MG	1l	201	1/1	0.96	0.06	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3489	1/1	0.96	0.06	41,41,41,41	0
58	MG	1A	3752	1/1	0.96	0.07	46,46,46,46	0
58	MG	2A	3230	1/1	0.96	0.07	40,40,40,40	0
58	MG	1A	3903	1/1	0.96	0.08	21,21,21,21	0
58	MG	2A	3497	1/1	0.96	0.08	42,42,42,42	0
58	MG	2a	1807	1/1	0.96	0.20	47,47,47,47	0
58	MG	1A	3397	1/1	0.96	0.07	47,47,47,47	0
58	MG	1A	3086	1/1	0.96	0.08	25,25,25,25	0
58	MG	1w	101	1/1	0.96	0.06	35,35,35,35	0
58	MG	1A	3906	1/1	0.96	0.04	27,27,27,27	0
58	MG	1w	103	1/1	0.96	0.09	46,46,46,46	0
58	MG	1A	3618	1/1	0.96	0.05	28,28,28,28	0
58	MG	2A	3239	1/1	0.96	0.09	46,46,46,46	0
58	MG	2a	1815	1/1	0.96	0.06	50,50,50,50	0
58	MG	1A	3908	1/1	0.96	0.09	56,56,56,56	0
58	MG	1A	3492	1/1	0.96	0.15	36,36,36,36	0
58	MG	1A	3760	1/1	0.96	0.08	28,28,28,28	0
58	MG	1A	3761	1/1	0.96	0.11	33,33,33,33	0
58	MG	1A	3192	1/1	0.96	0.08	27,27,27,27	0
58	MG	2A	3832	1/1	0.96	0.06	48,48,48,48	0
58	MG	1A	3763	1/1	0.96	0.06	27,27,27,27	0
58	MG	2A	3834	1/1	0.96	0.05	24,24,24,24	0
58	MG	2a	1825	1/1	0.96	0.06	44,44,44,44	0
58	MG	1a	1626	1/1	0.96	0.17	53,53,53,53	0
58	MG	1A	4075	1/1	0.96	0.07	46,46,46,46	0
58	MG	2A	3519	1/1	0.96	0.08	33,33,33,33	0
58	MG	1A	3042	1/1	0.96	0.10	21,21,21,21	0
58	MG	1A	3197	1/1	0.96	0.18	27,27,27,27	0
58	MG	2A	3840	1/1	0.96	0.08	22,22,22,22	0
58	MG	1A	3624	1/1	0.96	0.06	29,29,29,29	0
58	MG	2a	1835	1/1	0.96	0.14	52,52,52,52	0
58	MG	1x	109	1/1	0.96	0.05	50,50,50,50	0
58	MG	2A	3524	1/1	0.96	0.10	61,61,61,61	0
58	MG	2A	3525	1/1	0.96	0.11	46,46,46,46	0
58	MG	1A	4082	1/1	0.96	0.07	31,31,31,31	0
58	MG	1A	3091	1/1	0.96	0.06	42,42,42,42	0
58	MG	2A	3847	1/1	0.96	0.05	29,29,29,29	0
58	MG	1A	3411	1/1	0.96	0.08	31,31,31,31	0
58	MG	1a	1637	1/1	0.96	0.07	43,43,43,43	0
58	MG	1A	3330	1/1	0.96	0.09	43,43,43,43	0
58	MG	1A	3133	1/1	0.96	0.07	23,23,23,23	0
58	MG	1A	3414	1/1	0.96	0.10	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3055	1/1	0.96	0.09	34,34,34,34	0
58	MG	2A	3854	1/1	0.96	0.07	45,45,45,45	0
58	MG	2A	3263	1/1	0.96	0.08	40,40,40,40	0
58	MG	1A	4092	1/1	0.96	0.09	38,38,38,38	0
58	MG	2A	3539	1/1	0.96	0.09	40,40,40,40	0
58	MG	1A	3635	1/1	0.96	0.06	36,36,36,36	0
58	MG	1A	3268	1/1	0.96	0.09	29,29,29,29	0
58	MG	2A	3012	1/1	0.96	0.06	39,39,39,39	0
58	MG	1A	3058	1/1	0.96	0.04	13,13,13,13	0
58	MG	1A	3933	1/1	0.96	0.08	29,29,29,29	0
58	MG	2A	3545	1/1	0.96	0.05	33,33,33,33	0
58	MG	2A	3546	1/1	0.96	0.07	35,35,35,35	0
58	MG	2A	3547	1/1	0.96	0.14	51,51,51,51	0
58	MG	2x	102	1/1	0.96	0.18	38,38,38,38	0
58	MG	1A	3210	1/1	0.96	0.05	44,44,44,44	0
58	MG	2A	3019	1/1	0.96	0.08	34,34,34,34	0
58	MG	1A	3001	1/1	0.96	0.08	36,36,36,36	0
58	MG	2B	202	1/1	0.96	0.05	37,37,37,37	0
58	MG	2B	203	1/1	0.96	0.15	60,60,60,60	0
58	MG	2A	3021	1/1	0.96	0.06	22,22,22,22	0
59	K	2x	101	1/1	0.96	0.06	43,43,43,43	0
60	ZN	2Y	202	1/1	0.96	0.06	86,86,86,86	0
58	MG	1A	3278	1/1	0.97	0.06	40,40,40,40	0
58	MG	2A	3555	1/1	0.97	0.05	34,34,34,34	0
58	MG	1A	3279	1/1	0.97	0.05	23,23,23,23	0
58	MG	2A	3269	1/1	0.97	0.06	43,43,43,43	0
58	MG	1A	3718	1/1	0.97	0.07	34,34,34,34	0
58	MG	1A	4056	1/1	0.97	0.07	34,34,34,34	0
58	MG	2A	3005	1/1	0.97	0.16	51,51,51,51	0
58	MG	1A	3883	1/1	0.97	0.21	33,33,33,33	0
58	MG	2A	3007	1/1	0.97	0.11	34,34,34,34	0
58	MG	1A	3456	1/1	0.97	0.08	31,31,31,31	0
58	MG	2A	3009	1/1	0.97	0.07	40,40,40,40	0
58	MG	1A	3282	1/1	0.97	0.19	33,33,33,33	0
58	MG	2D	303	1/1	0.97	0.09	46,46,46,46	0
58	MG	1A	3886	1/1	0.97	0.10	22,22,22,22	0
58	MG	2A	3568	1/1	0.97	0.05	39,39,39,39	0
58	MG	2A	3279	1/1	0.97	0.10	47,47,47,47	0
58	MG	1A	3283	1/1	0.97	0.10	24,24,24,24	0
58	MG	1A	3459	1/1	0.97	0.14	38,38,38,38	0
58	MG	1A	3578	1/1	0.97	0.28	25,25,25,25	0
58	MG	2A	3283	1/1	0.97	0.11	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3284	1/1	0.97	0.09	55,55,55,55	0
58	MG	1A	3286	1/1	0.97	0.05	37,37,37,37	0
58	MG	2A	3018	1/1	0.97	0.09	48,48,48,48	0
58	MG	1a	1624	1/1	0.97	0.15	56,56,56,56	0
58	MG	1A	4065	1/1	0.97	0.07	30,30,30,30	0
58	MG	1A	3287	1/1	0.97	0.05	34,34,34,34	0
58	MG	1A	3582	1/1	0.97	0.18	26,26,26,26	0
58	MG	1A	3050	1/1	0.97	0.06	34,34,34,34	0
58	MG	1A	4071	1/1	0.97	0.05	34,34,34,34	0
58	MG	1A	3585	1/1	0.97	0.14	25,25,25,25	0
58	MG	2Q	201	1/1	0.97	0.04	46,46,46,46	0
58	MG	1a	1631	1/1	0.97	0.14	44,44,44,44	0
58	MG	1A	3732	1/1	0.97	0.07	33,33,33,33	0
58	MG	2A	3028	1/1	0.97	0.08	45,45,45,45	0
58	MG	1a	1634	1/1	0.97	0.09	22,22,22,22	0
58	MG	1A	3463	1/1	0.97	0.11	44,44,44,44	0
58	MG	2A	3300	1/1	0.97	0.24	52,52,52,52	0
58	MG	1A	3587	1/1	0.97	0.09	18,18,18,18	0
58	MG	1A	4077	1/1	0.97	0.04	15,15,15,15	0
58	MG	1A	3464	1/1	0.97	0.06	38,38,38,38	0
58	MG	2A	3594	1/1	0.97	0.06	51,51,51,51	0
58	MG	1A	3073	1/1	0.97	0.03	9,9,9,9	0
58	MG	1A	3902	1/1	0.97	0.05	33,33,33,33	0
58	MG	2A	3038	1/1	0.97	0.04	14,14,14,14	0
58	MG	2A	3600	1/1	0.97	0.06	43,43,43,43	0
58	MG	2A	3601	1/1	0.97	0.07	42,42,42,42	0
58	MG	2A	3602	1/1	0.97	0.08	41,41,41,41	0
58	MG	1A	3740	1/1	0.97	0.07	41,41,41,41	0
58	MG	1A	3741	1/1	0.97	0.05	37,37,37,37	0
58	MG	1A	3212	1/1	0.97	0.12	23,23,23,23	0
58	MG	1A	3054	1/1	0.97	0.07	32,32,32,32	0
58	MG	23	103	1/1	0.97	0.05	33,33,33,33	0
58	MG	1A	4088	1/1	0.97	0.06	26,26,26,26	0
58	MG	1A	3593	1/1	0.97	0.06	39,39,39,39	0
58	MG	1A	3595	1/1	0.97	0.08	21,21,21,21	0
58	MG	1A	3103	1/1	0.97	0.08	28,28,28,28	0
58	MG	1a	1651	1/1	0.97	0.07	43,43,43,43	0
58	MG	1a	1652	1/1	0.97	0.06	32,32,32,32	0
58	MG	27	101	1/1	0.97	0.10	40,40,40,40	0
58	MG	2A	3049	1/1	0.97	0.07	18,18,18,18	0
58	MG	1A	3597	1/1	0.97	0.07	42,42,42,42	0
58	MG	1A	3077	1/1	0.97	0.14	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3470	1/1	0.97	0.18	28,28,28,28	0
58	MG	2A	3053	1/1	0.97	0.07	47,47,47,47	0
58	MG	1A	3472	1/1	0.97	0.06	49,49,49,49	0
58	MG	2a	1602	1/1	0.97	0.12	51,51,51,51	0
58	MG	2A	3055	1/1	0.97	0.07	38,38,38,38	0
58	MG	1A	3601	1/1	0.97	0.06	47,47,47,47	0
58	MG	1A	3916	1/1	0.97	0.13	24,24,24,24	0
58	MG	1A	3602	1/1	0.97	0.15	20,20,20,20	0
58	MG	2A	3327	1/1	0.97	0.06	34,34,34,34	0
58	MG	1A	3754	1/1	0.97	0.04	25,25,25,25	0
58	MG	1A	3152	1/1	0.97	0.11	26,26,26,26	0
58	MG	2A	3061	1/1	0.97	0.06	30,30,30,30	0
58	MG	1A	3604	1/1	0.97	0.13	25,25,25,25	0
58	MG	1A	3372	1/1	0.97	0.07	38,38,38,38	0
58	MG	1A	3218	1/1	0.97	0.09	31,31,31,31	0
58	MG	1A	3374	1/1	0.97	0.07	41,41,41,41	0
58	MG	1A	3298	1/1	0.97	0.08	35,35,35,35	0
58	MG	1A	3028	1/1	0.97	0.08	28,28,28,28	0
58	MG	1A	3929	1/1	0.97	0.10	22,22,22,22	0
58	MG	2A	3635	1/1	0.97	0.05	54,54,54,54	0
58	MG	1A	3222	1/1	0.97	0.06	37,37,37,37	0
58	MG	1A	3106	1/1	0.97	0.06	32,32,32,32	0
58	MG	1A	3932	1/1	0.97	0.05	49,49,49,49	0
58	MG	1B	204	1/1	0.97	0.20	52,52,52,52	0
58	MG	1B	205	1/1	0.97	0.05	40,40,40,40	0
58	MG	1A	3110	1/1	0.97	0.10	23,23,23,23	0
58	MG	2A	3076	1/1	0.97	0.12	32,32,32,32	0
58	MG	2A	3077	1/1	0.97	0.05	49,49,49,49	0
58	MG	1A	3768	1/1	0.97	0.07	41,41,41,41	0
58	MG	2A	3347	1/1	0.97	0.15	58,58,58,58	0
58	MG	1A	3482	1/1	0.97	0.05	30,30,30,30	0
58	MG	1B	209	1/1	0.97	0.07	32,32,32,32	0
58	MG	1A	3484	1/1	0.97	0.10	30,30,30,30	0
58	MG	1A	3304	1/1	0.97	0.06	16,16,16,16	0
58	MG	2A	3083	1/1	0.97	0.06	43,43,43,43	0
58	MG	1A	3225	1/1	0.97	0.08	32,32,32,32	0
58	MG	1A	3157	1/1	0.97	0.06	33,33,33,33	0
58	MG	1B	214	1/1	0.97	0.09	48,48,48,48	0
58	MG	2A	3087	1/1	0.97	0.09	41,41,41,41	0
58	MG	1A	3383	1/1	0.97	0.11	28,28,28,28	0
58	MG	2a	1639	1/1	0.97	0.23	48,48,48,48	0
58	MG	1A	3082	1/1	0.97	0.10	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3112	1/1	0.97	0.17	24,24,24,24	0
58	MG	1A	3945	1/1	0.97	0.07	31,31,31,31	0
58	MG	1A	3623	1/1	0.97	0.09	23,23,23,23	0
58	MG	1A	3388	1/1	0.97	0.06	31,31,31,31	0
58	MG	1A	3113	1/1	0.97	0.07	28,28,28,28	0
58	MG	1A	3949	1/1	0.97	0.05	36,36,36,36	0
58	MG	1A	3390	1/1	0.97	0.13	33,33,33,33	0
58	MG	2A	3098	1/1	0.97	0.10	39,39,39,39	0
58	MG	2A	3667	1/1	0.97	0.06	48,48,48,48	0
58	MG	2A	3099	1/1	0.97	0.07	34,34,34,34	0
58	MG	1A	3628	1/1	0.97	0.08	10,10,10,10	0
58	MG	1A	3495	1/1	0.97	0.10	39,39,39,39	0
58	MG	1A	3496	1/1	0.97	0.21	25,25,25,25	0
58	MG	1A	3785	1/1	0.97	0.09	31,31,31,31	0
58	MG	1A	3786	1/1	0.97	0.04	33,33,33,33	0
58	MG	2A	3373	1/1	0.97	0.06	39,39,39,39	0
58	MG	1A	3957	1/1	0.97	0.04	39,39,39,39	0
58	MG	1A	3167	1/1	0.97	0.10	36,36,36,36	0
58	MG	2A	3376	1/1	0.97	0.08	42,42,42,42	0
58	MG	2A	3108	1/1	0.97	0.05	47,47,47,47	0
58	MG	1A	3393	1/1	0.97	0.08	29,29,29,29	0
58	MG	1A	3394	1/1	0.97	0.06	36,36,36,36	0
58	MG	1A	3114	1/1	0.97	0.07	26,26,26,26	0
58	MG	1A	3083	1/1	0.97	0.13	27,27,27,27	0
58	MG	1A	3794	1/1	0.97	0.09	23,23,23,23	0
58	MG	2A	3686	1/1	0.97	0.09	38,38,38,38	0
58	MG	1A	3503	1/1	0.97	0.08	21,21,21,21	0
58	MG	1A	3398	1/1	0.97	0.10	40,40,40,40	0
58	MG	1D	302	1/1	0.97	0.04	37,37,37,37	0
58	MG	2a	1670	1/1	0.97	0.13	36,36,36,36	0
58	MG	2A	3387	1/1	0.97	0.15	55,55,55,55	0
58	MG	1D	305	1/1	0.97	0.05	22,22,22,22	0
58	MG	1D	307	1/1	0.97	0.08	34,34,34,34	0
58	MG	1A	3641	1/1	0.97	0.08	37,37,37,37	0
58	MG	1D	309	1/1	0.97	0.14	30,30,30,30	0
58	MG	2A	3696	1/1	0.97	0.06	56,56,56,56	0
58	MG	2A	3697	1/1	0.97	0.12	28,28,28,28	0
58	MG	1A	3967	1/1	0.97	0.06	35,35,35,35	0
58	MG	2a	1679	1/1	0.97	0.07	42,42,42,42	0
58	MG	2A	3699	1/1	0.97	0.05	50,50,50,50	0
58	MG	1E	303	1/1	0.97	0.08	40,40,40,40	0
58	MG	2A	3701	1/1	0.97	0.05	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1a	1720	1/1	0.97	0.05	27,27,27,27	0
58	MG	1E	305	1/1	0.97	0.11	17,17,17,17	0
58	MG	1A	3644	1/1	0.97	0.04	18,18,18,18	0
58	MG	1A	3239	1/1	0.97	0.16	31,31,31,31	0
58	MG	1A	3646	1/1	0.97	0.07	25,25,25,25	0
58	MG	1A	3240	1/1	0.97	0.11	21,21,21,21	0
58	MG	2a	1689	1/1	0.97	0.18	58,58,58,58	0
58	MG	1A	3507	1/1	0.97	0.05	40,40,40,40	0
58	MG	2A	3133	1/1	0.97	0.10	46,46,46,46	0
58	MG	2A	3135	1/1	0.97	0.06	38,38,38,38	0
58	MG	1a	1727	1/1	0.97	0.10	47,47,47,47	0
58	MG	1A	3403	1/1	0.97	0.07	30,30,30,30	0
58	MG	2A	3406	1/1	0.97	0.12	46,46,46,46	0
58	MG	1F	304	1/1	0.97	0.05	21,21,21,21	0
58	MG	1A	3404	1/1	0.97	0.07	39,39,39,39	0
58	MG	1F	306	1/1	0.97	0.21	27,27,27,27	0
58	MG	1F	308	1/1	0.97	0.05	35,35,35,35	0
58	MG	1A	3036	1/1	0.97	0.07	22,22,22,22	0
58	MG	1A	3979	1/1	0.97	0.07	37,37,37,37	0
58	MG	1A	3807	1/1	0.97	0.06	15,15,15,15	0
58	MG	2A	3150	1/1	0.97	0.11	34,34,34,34	0
58	MG	1A	3981	1/1	0.97	0.06	47,47,47,47	0
58	MG	2A	3416	1/1	0.97	0.16	38,38,38,38	0
58	MG	2A	3725	1/1	0.97	0.09	35,35,35,35	0
58	MG	1A	3511	1/1	0.97	0.07	41,41,41,41	0
58	MG	1G	202	1/1	0.97	0.07	45,45,45,45	0
58	MG	1A	3983	1/1	0.97	0.06	54,54,54,54	0
58	MG	2a	1712	1/1	0.97	0.10	58,58,58,58	0
58	MG	1a	1741	1/1	0.97	0.04	35,35,35,35	0
58	MG	2A	3730	1/1	0.97	0.06	39,39,39,39	0
58	MG	1A	3512	1/1	0.97	0.07	42,42,42,42	0
58	MG	1A	3317	1/1	0.97	0.06	36,36,36,36	0
58	MG	1I	201	1/1	0.97	0.04	35,35,35,35	0
58	MG	2A	3161	1/1	0.97	0.15	37,37,37,37	0
58	MG	2A	3425	1/1	0.97	0.18	38,38,38,38	0
58	MG	2A	3427	1/1	0.97	0.15	43,43,43,43	0
58	MG	1a	1745	1/1	0.97	0.12	59,59,59,59	0
58	MG	2A	3738	1/1	0.97	0.05	46,46,46,46	0
58	MG	1A	3407	1/1	0.97	0.05	36,36,36,36	0
58	MG	1A	3658	1/1	0.97	0.04	15,15,15,15	0
58	MG	1N	203	1/1	0.97	0.04	27,27,27,27	0
58	MG	1A	3515	1/1	0.97	0.05	15,15,15,15	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3168	1/1	0.97	0.11	55,55,55,55	0
58	MG	1N	205	1/1	0.97	0.04	35,35,35,35	0
58	MG	1a	1752	1/1	0.97	0.09	48,48,48,48	0
58	MG	1A	3408	1/1	0.97	0.12	41,41,41,41	0
58	MG	1A	3815	1/1	0.97	0.04	15,15,15,15	0
58	MG	1a	1755	1/1	0.97	0.05	43,43,43,43	0
58	MG	1A	3172	1/1	0.97	0.07	8,8,8,8	0
58	MG	1a	1758	1/1	0.97	0.06	49,49,49,49	0
58	MG	1A	3818	1/1	0.97	0.06	20,20,20,20	0
58	MG	1A	3246	1/1	0.97	0.08	38,38,38,38	0
58	MG	2A	3443	1/1	0.97	0.11	41,41,41,41	0
58	MG	1A	3665	1/1	0.97	0.06	38,38,38,38	0
58	MG	1A	3085	1/1	0.97	0.09	26,26,26,26	0
58	MG	1Q	206	1/1	0.97	0.08	41,41,41,41	0
58	MG	1A	3321	1/1	0.97	0.10	19,19,19,19	0
58	MG	2a	1743	1/1	0.97	0.27	54,54,54,54	0
58	MG	1A	3249	1/1	0.97	0.08	44,44,44,44	0
58	MG	2a	1745	1/1	0.97	0.12	44,44,44,44	0
58	MG	1A	3174	1/1	0.97	0.07	36,36,36,36	0
58	MG	1A	3416	1/1	0.97	0.10	30,30,30,30	0
58	MG	1A	3029	1/1	0.97	0.05	23,23,23,23	0
58	MG	2a	1749	1/1	0.97	0.09	54,54,54,54	0
58	MG	1A	3418	1/1	0.97	0.12	36,36,36,36	0
58	MG	1A	3087	1/1	0.97	0.07	22,22,22,22	0
58	MG	1A	3088	1/1	0.97	0.07	24,24,24,24	0
58	MG	2a	1753	1/1	0.97	0.07	56,56,56,56	0
58	MG	1A	3126	1/1	0.97	0.18	22,22,22,22	0
58	MG	2A	3767	1/1	0.97	0.07	33,33,33,33	0
58	MG	2a	1756	1/1	0.97	0.05	57,57,57,57	0
58	MG	1U	202	1/1	0.97	0.17	31,31,31,31	0
58	MG	1U	204	1/1	0.97	0.06	33,33,33,33	0
58	MG	1U	205	1/1	0.97	0.17	29,29,29,29	0
58	MG	1A	3676	1/1	0.97	0.08	33,33,33,33	0
58	MG	2A	3461	1/1	0.97	0.19	45,45,45,45	0
58	MG	2a	1762	1/1	0.97	0.17	56,56,56,56	0
58	MG	2A	3462	1/1	0.97	0.10	45,45,45,45	0
58	MG	2A	3775	1/1	0.97	0.05	34,34,34,34	0
58	MG	1V	201	1/1	0.97	0.08	19,19,19,19	0
58	MG	1A	3034	1/1	0.97	0.15	23,23,23,23	0
58	MG	1A	3533	1/1	0.97	0.10	32,32,32,32	0
58	MG	2a	1769	1/1	0.97	0.09	42,42,42,42	0
58	MG	1A	3838	1/1	0.97	0.06	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3781	1/1	0.97	0.06	51,51,51,51	0
58	MG	2A	3199	1/1	0.97	0.05	37,37,37,37	0
58	MG	1A	3535	1/1	0.97	0.12	33,33,33,33	0
58	MG	1A	3257	1/1	0.97	0.10	21,21,21,21	0
58	MG	1W	203	1/1	0.97	0.05	23,23,23,23	0
58	MG	1a	1787	1/1	0.97	0.08	46,46,46,46	0
58	MG	1W	204	1/1	0.97	0.05	28,28,28,28	0
58	MG	1X	102	1/1	0.97	0.10	37,37,37,37	0
58	MG	2A	3789	1/1	0.97	0.06	32,32,32,32	0
58	MG	2A	3790	1/1	0.97	0.06	52,52,52,52	0
58	MG	1A	3044	1/1	0.97	0.12	28,28,28,28	0
58	MG	2A	3477	1/1	0.97	0.09	34,34,34,34	0
58	MG	2A	3479	1/1	0.97	0.18	38,38,38,38	0
58	MG	2A	3794	1/1	0.97	0.09	47,47,47,47	0
58	MG	1A	3045	1/1	0.97	0.04	29,29,29,29	0
58	MG	2A	3796	1/1	0.97	0.09	33,33,33,33	0
58	MG	1A	3260	1/1	0.97	0.05	29,29,29,29	0
58	MG	1Y	202	1/1	0.97	0.06	55,55,55,55	0
58	MG	1A	3844	1/1	0.97	0.09	42,42,42,42	0
58	MG	1a	1796	1/1	0.97	0.05	51,51,51,51	0
58	MG	1A	3540	1/1	0.97	0.13	32,32,32,32	0
58	MG	1A	3541	1/1	0.97	0.10	40,40,40,40	0
58	MG	2a	1795	1/1	0.97	0.09	41,41,41,41	0
58	MG	1A	4019	1/1	0.97	0.09	20,20,20,20	0
58	MG	10	102	1/1	0.97	0.10	44,44,44,44	0
58	MG	1A	3687	1/1	0.97	0.05	23,23,23,23	0
58	MG	2A	3806	1/1	0.97	0.05	47,47,47,47	0
58	MG	2A	3807	1/1	0.97	0.08	40,40,40,40	0
58	MG	2A	3808	1/1	0.97	0.04	36,36,36,36	0
58	MG	2A	3217	1/1	0.97	0.07	40,40,40,40	0
58	MG	1A	3193	1/1	0.97	0.12	21,21,21,21	0
58	MG	1A	3194	1/1	0.97	0.05	29,29,29,29	0
58	MG	1A	3544	1/1	0.97	0.19	44,44,44,44	0
58	MG	2A	3496	1/1	0.97	0.04	42,42,42,42	0
58	MG	1a	1805	1/1	0.97	0.15	52,52,52,52	0
58	MG	1A	3545	1/1	0.97	0.09	21,21,21,21	0
58	MG	2A	3499	1/1	0.97	0.13	51,51,51,51	0
58	MG	1A	3336	1/1	0.97	0.07	35,35,35,35	0
58	MG	1A	3694	1/1	0.97	0.10	16,16,16,16	0
58	MG	2A	3820	1/1	0.97	0.07	43,43,43,43	0
58	MG	2A	3502	1/1	0.97	0.06	33,33,33,33	0
58	MG	2A	3504	1/1	0.97	0.10	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3131	1/1	0.97	0.12	56,56,56,56	0
58	MG	1A	4028	1/1	0.97	0.05	35,35,35,35	0
58	MG	2A	3828	1/1	0.97	0.09	51,51,51,51	0
58	MG	1A	3857	1/1	0.97	0.08	36,36,36,36	0
58	MG	1A	3046	1/1	0.97	0.05	17,17,17,17	0
58	MG	1A	3048	1/1	0.97	0.08	33,33,33,33	0
58	MG	13	103	1/1	0.97	0.14	34,34,34,34	0
58	MG	1A	4032	1/1	0.97	0.05	34,34,34,34	0
58	MG	1e	201	1/1	0.97	0.08	53,53,53,53	0
58	MG	13	105	1/1	0.97	0.04	37,37,37,37	0
58	MG	2A	3234	1/1	0.97	0.10	37,37,37,37	0
58	MG	1f	201	1/1	0.97	0.19	43,43,43,43	0
58	MG	1A	3199	1/1	0.97	0.06	39,39,39,39	0
58	MG	1k	201	1/1	0.97	0.11	41,41,41,41	0
58	MG	2a	1830	1/1	0.97	0.07	50,50,50,50	0
58	MG	1A	3699	1/1	0.97	0.03	19,19,19,19	0
58	MG	15	101	1/1	0.97	0.13	24,24,24,24	0
58	MG	2A	3240	1/1	0.97	0.07	40,40,40,40	0
58	MG	1A	3200	1/1	0.97	0.07	21,21,21,21	0
58	MG	2A	3242	1/1	0.97	0.12	42,42,42,42	0
58	MG	1A	3863	1/1	0.97	0.07	14,14,14,14	0
58	MG	2e	201	1/1	0.97	0.06	47,47,47,47	0
58	MG	2f	201	1/1	0.97	0.07	38,38,38,38	0
58	MG	2A	3244	1/1	0.97	0.07	43,43,43,43	0
58	MG	2A	3527	1/1	0.97	0.06	32,32,32,32	0
58	MG	15	104	1/1	0.97	0.17	24,24,24,24	0
58	MG	15	105	1/1	0.97	0.09	23,23,23,23	0
58	MG	2A	3531	1/1	0.97	0.09	36,36,36,36	0
58	MG	1A	3202	1/1	0.97	0.10	23,23,23,23	0
58	MG	1A	3343	1/1	0.97	0.18	24,24,24,24	0
58	MG	1A	3442	1/1	0.97	0.07	45,45,45,45	0
58	MG	2A	3855	1/1	0.97	0.10	47,47,47,47	0
58	MG	1A	3269	1/1	0.97	0.07	46,46,46,46	0
58	MG	17	101	1/1	0.97	0.04	23,23,23,23	0
58	MG	17	104	1/1	0.97	0.09	44,44,44,44	0
58	MG	1A	3096	1/1	0.97	0.07	31,31,31,31	0
58	MG	1A	3138	1/1	0.97	0.05	18,18,18,18	0
58	MG	1x	101	1/1	0.97	0.16	50,50,50,50	0
58	MG	2v	101	1/1	0.97	0.18	52,52,52,52	0
58	MG	1A	3446	1/1	0.97	0.14	48,48,48,48	0
58	MG	1A	3139	1/1	0.97	0.22	32,32,32,32	0
58	MG	1A	3209	1/1	0.97	0.13	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3564	1/1	0.97	0.09	26,26,26,26	0
58	MG	1A	3352	1/1	0.97	0.07	30,30,30,30	0
58	MG	2A	3867	1/1	0.97	0.06	38,38,38,38	0
58	MG	1A	3274	1/1	0.97	0.19	32,32,32,32	0
58	MG	1A	3275	1/1	0.97	0.10	17,17,17,17	0
58	MG	1a	1606	1/1	0.97	0.11	41,41,41,41	0
58	MG	2A	3549	1/1	0.97	0.04	41,41,41,41	0
58	MG	1A	4051	1/1	0.97	0.06	26,26,26,26	0
58	MG	1a	1608	1/1	0.97	0.06	43,43,43,43	0
58	MG	2A	3552	1/1	0.97	0.06	40,40,40,40	0
58	MG	1A	3276	1/1	0.97	0.05	32,32,32,32	0
59	K	1A	3569	1/1	0.97	0.05	37,37,37,37	0
58	MG	2B	208	1/1	0.97	0.13	48,48,48,48	0
58	MG	2B	209	1/1	0.97	0.07	49,49,49,49	0
60	ZN	2n	102	1/1	0.97	0.05	77,77,77,77	0
58	MG	1A	3108	1/1	0.98	0.08	30,30,30,30	0
58	MG	2A	3714	1/1	0.98	0.06	30,30,30,30	0
58	MG	1A	3721	1/1	0.98	0.03	29,29,29,29	0
58	MG	1A	4008	1/1	0.98	0.07	16,16,16,16	0
58	MG	2A	3478	1/1	0.98	0.09	51,51,51,51	0
58	MG	1A	3159	1/1	0.98	0.07	29,29,29,29	0
58	MG	1F	307	1/1	0.98	0.06	32,32,32,32	0
58	MG	1A	3400	1/1	0.98	0.06	29,29,29,29	0
58	MG	1A	3401	1/1	0.98	0.04	20,20,20,20	0
58	MG	1F	310	1/1	0.98	0.10	21,21,21,21	0
58	MG	1A	3230	1/1	0.98	0.04	25,25,25,25	0
58	MG	2A	3485	1/1	0.98	0.09	43,43,43,43	0
58	MG	2A	3486	1/1	0.98	0.05	22,22,22,22	0
58	MG	1A	3231	1/1	0.98	0.10	19,19,19,19	0
58	MG	1A	3232	1/1	0.98	0.07	21,21,21,21	0
58	MG	1a	1689	1/1	0.98	0.17	30,30,30,30	0
58	MG	1A	4015	1/1	0.98	0.03	22,22,22,22	0
58	MG	1G	201	1/1	0.98	0.10	32,32,32,32	0
58	MG	1A	3728	1/1	0.98	0.05	21,21,21,21	0
58	MG	1A	3109	1/1	0.98	0.12	24,24,24,24	0
58	MG	1A	3234	1/1	0.98	0.07	33,33,33,33	0
58	MG	1A	3501	1/1	0.98	0.05	46,46,46,46	0
58	MG	1H	201	1/1	0.98	0.15	40,40,40,40	0
58	MG	1A	3733	1/1	0.98	0.10	19,19,19,19	0
58	MG	1A	3871	1/1	0.98	0.20	27,27,27,27	0
58	MG	1A	3610	1/1	0.98	0.17	34,34,34,34	0
58	MG	1A	3611	1/1	0.98	0.05	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3736	1/1	0.98	0.07	51,51,51,51	0
58	MG	1A	3161	1/1	0.98	0.05	28,28,28,28	0
58	MG	1A	3078	1/1	0.98	0.07	22,22,22,22	0
58	MG	1A	3739	1/1	0.98	0.05	54,54,54,54	0
58	MG	2A	3506	1/1	0.98	0.07	51,51,51,51	0
58	MG	1A	3409	1/1	0.98	0.12	34,34,34,34	0
58	MG	2A	3746	1/1	0.98	0.09	31,31,31,31	0
58	MG	2A	3508	1/1	0.98	0.08	55,55,55,55	0
58	MG	1A	3237	1/1	0.98	0.10	32,32,32,32	0
58	MG	1A	3742	1/1	0.98	0.06	26,26,26,26	0
58	MG	1P	204	1/1	0.98	0.08	34,34,34,34	0
58	MG	1Q	201	1/1	0.98	0.17	29,29,29,29	0
58	MG	2A	3069	1/1	0.98	0.06	27,27,27,27	0
58	MG	2A	3287	1/1	0.98	0.18	48,48,48,48	0
58	MG	1A	3079	1/1	0.98	0.08	27,27,27,27	0
58	MG	1Q	203	1/1	0.98	0.04	25,25,25,25	0
58	MG	1Q	204	1/1	0.98	0.05	37,37,37,37	0
58	MG	1A	3051	1/1	0.98	0.05	15,15,15,15	0
58	MG	1A	3168	1/1	0.98	0.11	24,24,24,24	0
58	MG	1a	1715	1/1	0.98	0.06	37,37,37,37	0
58	MG	1A	3242	1/1	0.98	0.08	15,15,15,15	0
58	MG	1A	3081	1/1	0.98	0.11	28,28,28,28	0
58	MG	1R	201	1/1	0.98	0.16	36,36,36,36	0
58	MG	1a	1719	1/1	0.98	0.09	33,33,33,33	0
58	MG	1R	202	1/1	0.98	0.04	26,26,26,26	0
58	MG	1A	3887	1/1	0.98	0.09	16,16,16,16	0
58	MG	1A	3245	1/1	0.98	0.08	34,34,34,34	0
58	MG	1A	3052	1/1	0.98	0.06	17,17,17,17	0
58	MG	2A	3529	1/1	0.98	0.04	37,37,37,37	0
58	MG	1A	4039	1/1	0.98	0.04	19,19,19,19	0
58	MG	1A	3247	1/1	0.98	0.04	31,31,31,31	0
58	MG	1A	3023	1/1	0.98	0.04	10,10,10,10	0
58	MG	2A	3772	1/1	0.98	0.09	46,46,46,46	0
58	MG	1A	3625	1/1	0.98	0.06	31,31,31,31	0
58	MG	1A	3004	1/1	0.98	0.03	16,16,16,16	0
58	MG	1U	203	1/1	0.98	0.15	26,26,26,26	0
58	MG	1A	3331	1/1	0.98	0.03	29,29,29,29	0
58	MG	2A	3777	1/1	0.98	0.11	40,40,40,40	0
58	MG	1A	3755	1/1	0.98	0.06	17,17,17,17	0
58	MG	1U	206	1/1	0.98	0.09	20,20,20,20	0
58	MG	1A	3756	1/1	0.98	0.05	11,11,11,11	0
58	MG	1a	1734	1/1	0.98	0.05	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1U	208	1/1	0.98	0.13	25,25,25,25	0
58	MG	1U	209	1/1	0.98	0.12	25,25,25,25	0
58	MG	1U	211	1/1	0.98	0.08	28,28,28,28	0
58	MG	1A	3422	1/1	0.98	0.14	36,36,36,36	0
58	MG	1A	3056	1/1	0.98	0.06	32,32,32,32	0
58	MG	1V	204	1/1	0.98	0.04	27,27,27,27	0
58	MG	1A	3119	1/1	0.98	0.06	27,27,27,27	0
58	MG	2A	3103	1/1	0.98	0.04	26,26,26,26	0
58	MG	1A	3425	1/1	0.98	0.06	33,33,33,33	0
58	MG	2a	1696	1/1	0.98	0.11	43,43,43,43	0
58	MG	1A	3176	1/1	0.98	0.15	26,26,26,26	0
58	MG	1A	3633	1/1	0.98	0.03	19,19,19,19	0
58	MG	1A	3634	1/1	0.98	0.03	21,21,21,21	0
58	MG	1A	3522	1/1	0.98	0.12	23,23,23,23	0
58	MG	1X	101	1/1	0.98	0.07	37,37,37,37	0
58	MG	1A	3636	1/1	0.98	0.04	36,36,36,36	0
58	MG	1X	103	1/1	0.98	0.09	30,30,30,30	0
58	MG	1A	3523	1/1	0.98	0.06	21,21,21,21	0
58	MG	2A	3113	1/1	0.98	0.10	50,50,50,50	0
58	MG	1A	3177	1/1	0.98	0.09	23,23,23,23	0
58	MG	1A	3428	1/1	0.98	0.06	31,31,31,31	0
58	MG	1A	3429	1/1	0.98	0.07	34,34,34,34	0
58	MG	1Y	203	1/1	0.98	0.10	31,31,31,31	0
58	MG	1A	3178	1/1	0.98	0.07	22,22,22,22	0
58	MG	2A	3564	1/1	0.98	0.05	36,36,36,36	0
58	MG	1A	3772	1/1	0.98	0.07	34,34,34,34	0
58	MG	1A	3913	1/1	0.98	0.04	44,44,44,44	0
58	MG	1A	3642	1/1	0.98	0.03	16,16,16,16	0
58	MG	2A	3122	1/1	0.98	0.10	46,46,46,46	0
58	MG	1A	3643	1/1	0.98	0.02	21,21,21,21	0
58	MG	10	103	1/1	0.98	0.07	30,30,30,30	0
58	MG	2A	3125	1/1	0.98	0.05	43,43,43,43	0
58	MG	1A	3037	1/1	0.98	0.07	16,16,16,16	0
58	MG	1A	3180	1/1	0.98	0.03	16,16,16,16	0
58	MG	1A	4068	1/1	0.98	0.04	11,11,11,11	0
58	MG	1A	3181	1/1	0.98	0.04	27,27,27,27	0
58	MG	1A	3531	1/1	0.98	0.07	41,41,41,41	0
58	MG	1A	3121	1/1	0.98	0.04	28,28,28,28	0
58	MG	1A	3059	1/1	0.98	0.07	30,30,30,30	0
58	MG	1A	3123	1/1	0.98	0.09	32,32,32,32	0
58	MG	2A	3134	1/1	0.98	0.06	43,43,43,43	0
58	MG	1A	4074	1/1	0.98	0.06	21,21,21,21	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3824	1/1	0.98	0.04	41,41,41,41	0
58	MG	1A	3060	1/1	0.98	0.04	33,33,33,33	0
58	MG	2A	3827	1/1	0.98	0.07	54,54,54,54	0
58	MG	12	101	1/1	0.98	0.08	40,40,40,40	0
58	MG	1A	3926	1/1	0.98	0.03	22,22,22,22	0
58	MG	2A	3140	1/1	0.98	0.10	30,30,30,30	0
58	MG	1a	1776	1/1	0.98	0.06	40,40,40,40	0
58	MG	2a	1736	1/1	0.98	0.22	49,49,49,49	0
58	MG	1A	3187	1/1	0.98	0.04	28,28,28,28	0
58	MG	2A	3143	1/1	0.98	0.07	32,32,32,32	0
58	MG	2A	3144	1/1	0.98	0.13	41,41,41,41	0
58	MG	1a	1778	1/1	0.98	0.05	46,46,46,46	0
58	MG	13	102	1/1	0.98	0.07	25,25,25,25	0
58	MG	2A	3592	1/1	0.98	0.09	36,36,36,36	0
58	MG	1A	4078	1/1	0.98	0.04	45,45,45,45	0
58	MG	2A	3148	1/1	0.98	0.09	36,36,36,36	0
58	MG	1A	3439	1/1	0.98	0.05	31,31,31,31	0
58	MG	1A	3188	1/1	0.98	0.13	40,40,40,40	0
58	MG	1A	3656	1/1	0.98	0.06	15,15,15,15	0
58	MG	2A	3598	1/1	0.98	0.08	36,36,36,36	0
58	MG	2A	3599	1/1	0.98	0.04	32,32,32,32	0
58	MG	1A	3189	1/1	0.98	0.14	40,40,40,40	0
58	MG	2A	3153	1/1	0.98	0.04	40,40,40,40	0
58	MG	1A	3125	1/1	0.98	0.12	25,25,25,25	0
58	MG	1A	3191	1/1	0.98	0.16	32,32,32,32	0
58	MG	1A	3790	1/1	0.98	0.03	27,27,27,27	0
58	MG	2A	3157	1/1	0.98	0.06	43,43,43,43	0
58	MG	1A	3660	1/1	0.98	0.04	25,25,25,25	0
58	MG	1A	4089	1/1	0.98	0.08	48,48,48,48	0
58	MG	1A	3792	1/1	0.98	0.06	34,34,34,34	0
58	MG	1A	3012	1/1	0.98	0.04	24,24,24,24	0
58	MG	1A	3127	1/1	0.98	0.04	26,26,26,26	0
58	MG	2A	3163	1/1	0.98	0.04	54,54,54,54	0
58	MG	1A	3090	1/1	0.98	0.06	28,28,28,28	0
58	MG	2A	3381	1/1	0.98	0.06	28,28,28,28	0
58	MG	1A	3940	1/1	0.98	0.03	23,23,23,23	0
58	MG	17	102	1/1	0.98	0.09	23,23,23,23	0
58	MG	2A	3616	1/1	0.98	0.05	43,43,43,43	0
58	MG	17	103	1/1	0.98	0.05	31,31,31,31	0
58	MG	2a	1768	1/1	0.98	0.05	57,57,57,57	0
58	MG	1A	3664	1/1	0.98	0.07	37,37,37,37	0
58	MG	17	105	1/1	0.98	0.03	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3942	1/1	0.98	0.03	9,9,9,9	0
58	MG	18	102	1/1	0.98	0.12	40,40,40,40	0
58	MG	1A	3195	1/1	0.98	0.15	25,25,25,25	0
58	MG	1A	3041	1/1	0.98	0.05	26,26,26,26	0
58	MG	1A	3018	1/1	0.98	0.09	17,17,17,17	0
58	MG	2a	1776	1/1	0.98	0.07	49,49,49,49	0
58	MG	1A	3358	1/1	0.98	0.07	24,24,24,24	0
58	MG	2a	1778	1/1	0.98	0.04	38,38,38,38	0
58	MG	1A	3359	1/1	0.98	0.06	48,48,48,48	0
58	MG	2B	204	1/1	0.98	0.05	54,54,54,54	0
58	MG	1A	3007	1/1	0.98	0.05	20,20,20,20	0
58	MG	1A	3094	1/1	0.98	0.04	31,31,31,31	0
58	MG	2A	3396	1/1	0.98	0.10	32,32,32,32	0
58	MG	1A	3066	1/1	0.98	0.07	34,34,34,34	0
58	MG	1A	3805	1/1	0.98	0.06	41,41,41,41	0
58	MG	1A	3277	1/1	0.98	0.13	34,34,34,34	0
58	MG	1A	3201	1/1	0.98	0.06	34,34,34,34	0
58	MG	1A	3556	1/1	0.98	0.07	46,46,46,46	0
58	MG	1A	3134	1/1	0.98	0.15	25,25,25,25	0
58	MG	1A	3281	1/1	0.98	0.07	24,24,24,24	0
58	MG	1A	3135	1/1	0.98	0.05	33,33,33,33	0
58	MG	1A	3560	1/1	0.98	0.09	24,24,24,24	0
58	MG	1A	3561	1/1	0.98	0.09	15,15,15,15	0
58	MG	1A	3204	1/1	0.98	0.10	27,27,27,27	0
58	MG	1A	3284	1/1	0.98	0.11	27,27,27,27	0
58	MG	2A	3643	1/1	0.98	0.05	37,37,37,37	0
58	MG	1A	3816	1/1	0.98	0.03	11,11,11,11	0
58	MG	1A	3136	1/1	0.98	0.03	29,29,29,29	0
58	MG	2D	304	1/1	0.98	0.04	31,31,31,31	0
58	MG	1A	3565	1/1	0.98	0.07	24,24,24,24	0
58	MG	1A	3207	1/1	0.98	0.05	27,27,27,27	0
58	MG	1n	102	1/1	0.98	0.08	35,35,35,35	0
58	MG	1A	3010	1/1	0.98	0.03	17,17,17,17	0
58	MG	1A	3097	1/1	0.98	0.03	22,22,22,22	0
58	MG	1A	3969	1/1	0.98	0.04	32,32,32,32	0
58	MG	2E	304	1/1	0.98	0.07	32,32,32,32	0
58	MG	1A	3822	1/1	0.98	0.04	22,22,22,22	0
58	MG	1A	3098	1/1	0.98	0.12	14,14,14,14	0
58	MG	1A	3291	1/1	0.98	0.04	44,44,44,44	0
58	MG	2E	308	1/1	0.98	0.12	32,32,32,32	0
58	MG	2F	301	1/1	0.98	0.09	36,36,36,36	0
58	MG	1A	3973	1/1	0.98	0.08	26,26,26,26	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1w	106	1/1	0.98	0.10	43,43,43,43	0
58	MG	1A	3021	1/1	0.98	0.07	11,11,11,11	0
58	MG	1B	221	1/1	0.98	0.05	25,25,25,25	0
58	MG	1a	1632	1/1	0.98	0.16	49,49,49,49	0
58	MG	1A	3293	1/1	0.98	0.17	27,27,27,27	0
58	MG	2A	3426	1/1	0.98	0.23	48,48,48,48	0
58	MG	1A	3471	1/1	0.98	0.05	20,20,20,20	0
58	MG	1A	3977	1/1	0.98	0.05	41,41,41,41	0
58	MG	1A	3047	1/1	0.98	0.04	25,25,25,25	0
58	MG	1A	3576	1/1	0.98	0.10	39,39,39,39	0
58	MG	2a	1823	1/1	0.98	0.10	39,39,39,39	0
58	MG	1A	3143	1/1	0.98	0.06	9,9,9,9	0
58	MG	1A	3101	1/1	0.98	0.04	38,38,38,38	0
58	MG	1A	3146	1/1	0.98	0.06	29,29,29,29	0
58	MG	1A	3834	1/1	0.98	0.05	21,21,21,21	0
58	MG	1A	3580	1/1	0.98	0.07	27,27,27,27	0
58	MG	1A	3148	1/1	0.98	0.10	24,24,24,24	0
58	MG	1a	1644	1/1	0.98	0.14	51,51,51,51	0
58	MG	1A	3149	1/1	0.98	0.03	25,25,25,25	0
58	MG	2A	3674	1/1	0.98	0.05	32,32,32,32	0
58	MG	1A	3583	1/1	0.98	0.08	40,40,40,40	0
58	MG	1A	3219	1/1	0.98	0.08	28,28,28,28	0
58	MG	2X	102	1/1	0.98	0.07	32,32,32,32	0
58	MG	1a	1648	1/1	0.98	0.11	40,40,40,40	0
58	MG	1A	3387	1/1	0.98	0.09	24,24,24,24	0
58	MG	2A	3679	1/1	0.98	0.07	35,35,35,35	0
58	MG	1A	3071	1/1	0.98	0.06	9,9,9,9	0
58	MG	1A	3221	1/1	0.98	0.07	31,31,31,31	0
58	MG	1A	3072	1/1	0.98	0.10	20,20,20,20	0
58	MG	1A	3483	1/1	0.98	0.06	36,36,36,36	0
58	MG	23	102	1/1	0.98	0.04	40,40,40,40	0
58	MG	1D	303	1/1	0.98	0.07	16,16,16,16	0
58	MG	1D	304	1/1	0.98	0.05	36,36,36,36	0
58	MG	1A	3391	1/1	0.98	0.10	23,23,23,23	0
58	MG	1A	3030	1/1	0.98	0.12	24,24,24,24	0
58	MG	2A	3015	1/1	0.98	0.08	42,42,42,42	0
58	MG	1A	3486	1/1	0.98	0.14	27,27,27,27	0
58	MG	2A	3690	1/1	0.98	0.13	53,53,53,53	0
58	MG	1A	3594	1/1	0.98	0.05	34,34,34,34	0
58	MG	2A	3454	1/1	0.98	0.17	33,33,33,33	0
58	MG	1A	3714	1/1	0.98	0.04	10,10,10,10	0
58	MG	1E	302	1/1	0.98	0.09	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3153	1/1	0.98	0.15	27,27,27,27	0
58	MG	1A	3049	1/1	0.98	0.06	15,15,15,15	0
58	MG	1a	1665	1/1	0.98	0.05	51,51,51,51	0
58	MG	1A	3395	1/1	0.98	0.23	28,28,28,28	0
58	MG	1E	307	1/1	0.98	0.05	29,29,29,29	0
58	MG	1A	3854	1/1	0.98	0.04	33,33,33,33	0
58	MG	1E	310	1/1	0.98	0.09	16,16,16,16	0
58	MG	1A	3022	1/1	0.98	0.05	33,33,33,33	0
58	MG	1A	3856	1/1	0.98	0.05	43,43,43,43	0
58	MG	1E	313	1/1	0.98	0.07	36,36,36,36	0
58	MG	2A	3467	1/1	0.98	0.10	47,47,47,47	0
58	MG	2A	3030	1/1	0.98	0.10	37,37,37,37	0
58	MG	1A	3107	1/1	0.98	0.03	17,17,17,17	0
58	MG	2A	3470	1/1	0.98	0.10	22,22,22,22	0
58	MG	1F	301	1/1	0.98	0.07	26,26,26,26	0
58	MG	1F	302	1/1	0.98	0.04	24,24,24,24	0
58	MG	1a	1676	1/1	0.98	0.12	43,43,43,43	0
60	ZN	24	501	1/1	0.98	0.07	99,99,99,99	0
60	ZN	25	107	1/1	0.98	0.05	51,51,51,51	0
58	MG	1a	1677	1/1	0.98	0.07	37,37,37,37	0
61	SF4	2d	303	8/8	0.98	0.06	56,63,69,75	0
58	MG	1V	202	1/1	0.99	0.09	21,21,21,21	0
58	MG	2A	3138	1/1	0.99	0.03	31,31,31,31	0
58	MG	1A	3075	1/1	0.99	0.02	22,22,22,22	0
58	MG	1A	3142	1/1	0.99	0.04	20,20,20,20	0
58	MG	1A	3076	1/1	0.99	0.02	15,15,15,15	0
58	MG	1a	1756	1/1	0.99	0.10	45,45,45,45	0
58	MG	1a	1611	1/1	0.99	0.05	18,18,18,18	0
58	MG	1A	3144	1/1	0.99	0.05	42,42,42,42	0
58	MG	1A	3384	1/1	0.99	0.05	23,23,23,23	0
58	MG	1B	203	1/1	0.99	0.08	38,38,38,38	0
58	MG	1A	3950	1/1	0.99	0.07	43,43,43,43	0
58	MG	1A	3280	1/1	0.99	0.09	19,19,19,19	0
58	MG	1A	3348	1/1	0.99	0.15	25,25,25,25	0
58	MG	1a	1618	1/1	0.99	0.04	40,40,40,40	0
58	MG	2A	3639	1/1	0.99	0.07	34,34,34,34	0
58	MG	1a	1765	1/1	0.99	0.05	38,38,38,38	0
58	MG	1A	3349	1/1	0.99	0.05	25,25,25,25	0
58	MG	1A	3061	1/1	0.99	0.05	24,24,24,24	0
58	MG	1X	104	1/1	0.99	0.03	38,38,38,38	0
58	MG	1A	3351	1/1	0.99	0.06	29,29,29,29	0
58	MG	1A	3039	1/1	0.99	0.11	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	1A	3252	1/1	0.99	0.09	24,24,24,24	0
58	MG	1A	3031	1/1	0.99	0.04	22,22,22,22	0
58	MG	2A	3814	1/1	0.99	0.09	43,43,43,43	0
58	MG	1A	3285	1/1	0.99	0.18	29,29,29,29	0
58	MG	1A	3591	1/1	0.99	0.03	24,24,24,24	0
58	MG	1A	4067	1/1	0.99	0.03	31,31,31,31	0
58	MG	1A	3032	1/1	0.99	0.04	18,18,18,18	0
58	MG	1A	3765	1/1	0.99	0.07	17,17,17,17	0
58	MG	1A	3033	1/1	0.99	0.20	25,25,25,25	0
58	MG	1A	3053	1/1	0.99	0.07	32,32,32,32	0
58	MG	1B	220	1/1	0.99	0.06	33,33,33,33	0
58	MG	1A	3175	1/1	0.99	0.07	19,19,19,19	0
58	MG	1A	3043	1/1	0.99	0.11	23,23,23,23	0
58	MG	1A	3116	1/1	0.99	0.05	29,29,29,29	0
58	MG	2A	3826	1/1	0.99	0.04	49,49,49,49	0
58	MG	1A	3008	1/1	0.99	0.08	15,15,15,15	0
58	MG	2A	3013	1/1	0.99	0.09	32,32,32,32	0
58	MG	2A	3092	1/1	0.99	0.06	31,31,31,31	0
58	MG	2A	3830	1/1	0.99	0.04	53,53,53,53	0
58	MG	1A	3009	1/1	0.99	0.04	19,19,19,19	0
58	MG	1A	3070	1/1	0.99	0.05	11,11,11,11	0
58	MG	1A	3684	1/1	0.99	0.03	16,16,16,16	0
58	MG	2a	1832	1/1	0.99	0.05	56,56,56,56	0
58	MG	1A	3729	1/1	0.99	0.07	25,25,25,25	0
58	MG	2A	3177	1/1	0.99	0.07	39,39,39,39	0
58	MG	1A	4080	1/1	0.99	0.08	30,30,30,30	0
58	MG	2A	3503	1/1	0.99	0.07	42,42,42,42	0
58	MG	1A	3206	1/1	0.99	0.07	16,16,16,16	0
58	MG	1A	3057	1/1	0.99	0.06	31,31,31,31	0
58	MG	1P	201	1/1	0.99	0.06	16,16,16,16	0
58	MG	1P	202	1/1	0.99	0.03	24,24,24,24	0
58	MG	1a	1794	1/1	0.99	0.03	39,39,39,39	0
58	MG	1A	3922	1/1	0.99	0.05	30,30,30,30	0
58	MG	1A	3182	1/1	0.99	0.06	29,29,29,29	0
58	MG	1A	3158	1/1	0.99	0.11	21,21,21,21	0
58	MG	1A	4086	1/1	0.99	0.04	23,23,23,23	0
58	MG	1A	3925	1/1	0.99	0.07	31,31,31,31	0
58	MG	1A	3874	1/1	0.99	0.03	33,33,33,33	0
58	MG	1a	1653	1/1	0.99	0.06	39,39,39,39	0
58	MG	1A	3689	1/1	0.99	0.03	21,21,21,21	0
58	MG	1A	3827	1/1	0.99	0.03	16,16,16,16	0
58	MG	1A	3299	1/1	0.99	0.06	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	MG	2A	3034	1/1	0.99	0.04	35,35,35,35	0
58	MG	1A	3370	1/1	0.99	0.13	31,31,31,31	0
58	MG	1A	3003	1/1	0.99	0.09	26,26,26,26	0
58	MG	1A	3238	1/1	0.99	0.05	57,57,57,57	0
58	MG	1D	306	1/1	0.99	0.04	35,35,35,35	0
58	MG	1A	3014	1/1	0.99	0.04	18,18,18,18	0
58	MG	1A	3038	1/1	0.99	0.06	16,16,16,16	0
58	MG	1A	3162	1/1	0.99	0.04	19,19,19,19	0
58	MG	1A	3835	1/1	0.99	0.03	23,23,23,23	0
58	MG	1E	301	1/1	0.99	0.05	28,28,28,28	0
58	MG	1U	201	1/1	0.99	0.04	15,15,15,15	0
58	MG	1A	3653	1/1	0.99	0.04	10,10,10,10	0
58	MG	1A	3214	1/1	0.99	0.23	27,27,27,27	0
58	MG	18	103	1/1	0.99	0.04	30,30,30,30	0
58	MG	1E	304	1/1	0.99	0.06	20,20,20,20	0
58	MG	1A	3453	1/1	0.99	0.08	25,25,25,25	0
58	MG	1A	3888	1/1	0.99	0.15	28,28,28,28	0
58	MG	2a	1694	1/1	0.99	0.14	39,39,39,39	0
58	MG	1A	3163	1/1	0.99	0.04	18,18,18,18	0
58	MG	1E	308	1/1	0.99	0.04	26,26,26,26	0
60	ZN	1Y	204	1/1	0.99	0.02	54,54,54,54	0
60	ZN	14	102	1/1	0.99	0.09	80,80,80,80	0
60	ZN	15	108	1/1	0.99	0.02	35,35,35,35	0
60	ZN	19	102	1/1	0.99	0.03	38,38,38,38	0
60	ZN	1n	103	1/1	0.99	0.03	53,53,53,53	0
58	MG	1A	3244	1/1	0.99	0.07	28,28,28,28	0
58	MG	1U	210	1/1	0.99	0.07	26,26,26,26	0
58	MG	1A	3534	1/1	0.99	0.08	30,30,30,30	0
60	ZN	26	501	1/1	0.99	0.02	50,50,50,50	0
60	ZN	29	501	1/1	0.99	0.05	55,55,55,55	0
58	MG	1a	1750	1/1	0.99	0.13	36,36,36,36	0
61	SF4	1d	302	8/8	0.99	0.04	48,53,54,65	0
58	MG	1A	3164	1/1	0.99	0.22	23,23,23,23	0
58	MG	1P	203	1/1	1.00	0.10	23,23,23,23	0
60	ZN	16	103	1/1	1.00	0.03	35,35,35,35	0
58	MG	1A	3308	1/1	1.00	0.02	16,16,16,16	0
58	MG	1A	3147	1/1	1.00	0.14	16,16,16,16	0

6.5 Other polymers ⓘ

There are no such residues in this entry.