



wwPDB X-ray Structure Validation Summary Report ⓘ

Aug 3, 2026 – 04:00 PM EDT

PDB ID : 5W4K / pdb_00005w4k
Title : Crystal structure of the *Thermus thermophilus* 70S ribosome in complex with Klebsazolicin and bound to mRNA and A-, P- and E-site tRNAs at 2.7Å resolution
Authors : Metelev, M.; Osterman, I.A.; Ghilarov, D.; Khabibullina, N.F.; Yakimov, A.; Shabalin, K.; Utkina, I.; Travin, D.Y.; Komarova, E.S.; Serebryakova, M.; Artamonova, T.; Khodorkovskii, M.; Konevega, A.L.; Sergiev, P.V.; Severinov, K.; Polikanov, Y.S.
Deposited on : 2017-06-12
Resolution : 2.70 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)

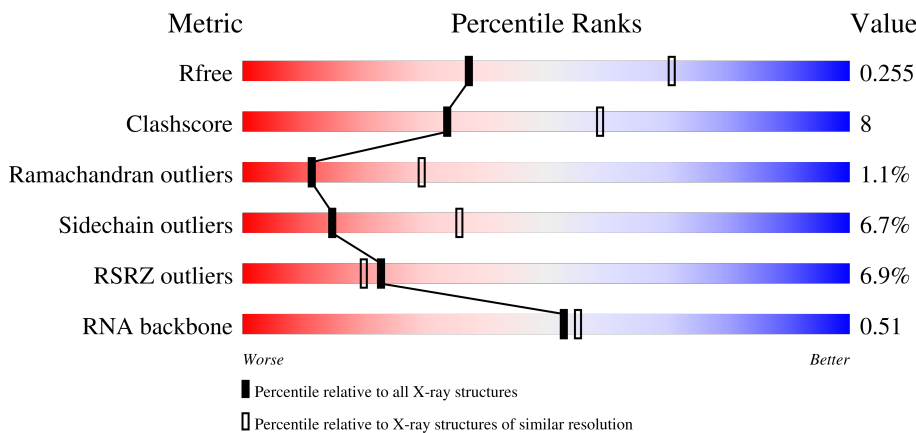
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.70 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	3538 (2.70-2.70)
Clashscore	190562	3843 (2.70-2.70)
Ramachandran outliers	187476	3778 (2.70-2.70)
Sidechain outliers	187428	3778 (2.70-2.70)
RSRZ outliers	180081	3538 (2.70-2.70)
RNA backbone	3983	1044 (2.90-2.50)

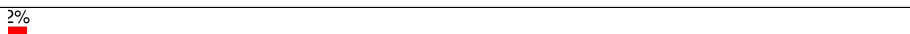
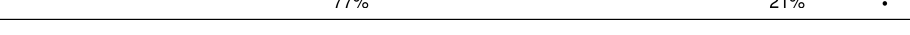
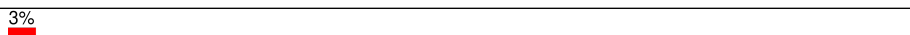
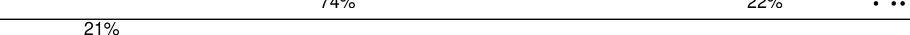
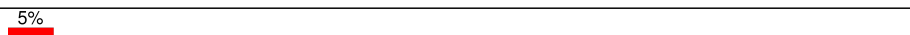
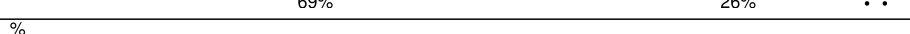
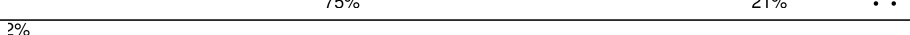
The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively.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

Mol	Chain	Length	Quality of chain
1	1A	2915	4% 68% 25% 6%
1	2A	2915	4% 59% 31% 6%

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

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

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Mol	Chain	Length	Quality of chain
14	2S	112	
15	1T	146	
15	2T	146	
16	1U	118	
16	2U	118	
17	1V	101	
17	2V	101	
18	1W	113	
18	2W	113	
19	1X	96	
19	2X	96	
20	1Y	110	
20	2Y	110	
21	1Z	206	
21	2Z	206	
22	10	85	
22	20	85	
23	11	98	
23	21	98	
24	12	72	
24	22	72	
25	13	60	
25	23	60	
26	14	71	
26	24	71	

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Mol	Chain	Length	Quality of chain
27	15	60	
27	25	60	
28	16	54	
28	26	54	
29	17	49	
29	27	49	
30	18	65	
30	28	65	
31	19	37	
31	29	37	
32	1a	1521	
33	1b	256	
33	2b	256	
34	1c	239	
34	2c	239	
35	1d	209	
35	2d	209	
36	1e	162	
36	2e	162	
37	1f	101	
37	2f	101	
38	1g	156	
38	2g	156	
39	1h	138	
39	2h	138	

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

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Mol	Chain	Length	Quality of chain
52	2u	27	
53	1v	24	
53	2v	24	
54	1w	76	
54	2w	76	
55	1x	77	
55	2x	77	
56	1y	76	
56	2y	76	
57	2a	1521	
58	A	18	
58	B	18	

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
59	MG	1a	3435	-	-	-	X
59	MG	1y	104	-	-	-	X
59	MG	2a	3118	-	-	-	X
61	SF4	2d	501	-	-	X	-

2 Entry composition

There are 63 unique types of molecules in this entry. The entry contains 302030 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	203	Total	C	N	O	S	0	0	1
			1584	1009	298	275	2			
5	2F	203	Total	C	N	O	S	0	0	1
			1580	1007	297	274	2			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	1a	1500	Total	C	N	O	P	0	0	0
			32246	14358	5975	10413	1500			

- 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			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Molecule 53 is a RNA chain called mRNA.

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

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

- Molecule 54 is a RNA chain called tRNA, A-site and E-site tRNAs.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	1w	74	Total	C	N	O	P	S	0	0
			1592	713	285	518	74	2		
54	2w	72	Total	C	N	O	P	S	0	0
			1544	690	278	502	72	2		

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
55	1x	76	Total	C	N	O	P	S	0	0
			1625	725	294	529	76	1		
55	2x	76	Total	C	N	O	P	S	0	0
			1625	725	294	529	76	1		

- Molecule 56 is a RNA chain called tRNA.

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

- Molecule 57 is a RNA chain called 16S Ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
57	2a	1503	Total	C	N	O	P	0	0	0
			32327	14396	5990	10438	1503			

- Molecule 58 is a protein called Klebsazolicin.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
58	A	18	Total	C	N	O	S	0	0	0
			115	64	23	25	3			
58	B	18	Total	C	N	O	S	0	0	0
			115	64	23	25	3			

- Molecule 59 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	1A	1229	Total 1229	Mg 1229	0	0
59	1B	38	Total 38	Mg 38	0	0
59	1D	13	Total 13	Mg 13	0	0
59	1E	14	Total 14	Mg 14	0	0
59	1F	10	Total 10	Mg 10	0	0
59	1G	5	Total 5	Mg 5	0	0
59	1I	1	Total 1	Mg 1	0	0
59	1N	9	Total 9	Mg 9	0	0
59	1O	6	Total 6	Mg 6	0	0
59	1P	4	Total 4	Mg 4	0	0
59	1Q	6	Total 6	Mg 6	0	0
59	1R	3	Total 3	Mg 3	0	0
59	1S	3	Total 3	Mg 3	0	0
59	1T	2	Total 2	Mg 2	0	0
59	1U	5	Total 5	Mg 5	0	0
59	1V	2	Total 2	Mg 2	0	0
59	1W	5	Total 5	Mg 5	0	0
59	1X	5	Total 5	Mg 5	0	0
59	1Y	3	Total 3	Mg 3	0	0
59	1Z	4	Total 4	Mg 4	0	0
59	10	8	Total 8	Mg 8	0	0
59	11	3	Total 3	Mg 3	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	12	2	Total 2	Mg 2	0	0
59	13	3	Total 3	Mg 3	0	0
59	15	2	Total 2	Mg 2	0	0
59	16	3	Total 3	Mg 3	0	0
59	17	2	Total 2	Mg 2	0	0
59	18	3	Total 3	Mg 3	0	0
59	19	1	Total 1	Mg 1	0	0
59	1a	278	Total 278	Mg 278	0	0
59	1b	2	Total 2	Mg 2	0	0
59	1d	1	Total 1	Mg 1	0	0
59	1e	1	Total 1	Mg 1	0	0
59	1f	3	Total 3	Mg 3	0	0
59	1k	1	Total 1	Mg 1	0	0
59	1l	3	Total 3	Mg 3	0	0
59	1n	2	Total 2	Mg 2	0	0
59	1p	1	Total 1	Mg 1	0	0
59	1s	1	Total 1	Mg 1	0	0
59	1t	1	Total 1	Mg 1	0	0
59	1v	1	Total 1	Mg 1	0	0
59	1w	12	Total 12	Mg 12	0	0
59	1x	17	Total 17	Mg 17	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	1y	5	Total 5	Mg 5	0	0
59	2A	848	Total 848	Mg 848	0	0
59	2B	22	Total 22	Mg 22	0	0
59	2D	5	Total 5	Mg 5	0	0
59	2E	7	Total 7	Mg 7	0	0
59	2F	4	Total 4	Mg 4	0	0
59	2G	1	Total 1	Mg 1	0	0
59	2N	1	Total 1	Mg 1	0	0
59	2O	2	Total 2	Mg 2	0	0
59	2P	1	Total 1	Mg 1	0	0
59	2Q	4	Total 4	Mg 4	0	0
59	2R	3	Total 3	Mg 3	0	0
59	2S	1	Total 1	Mg 1	0	0
59	2T	3	Total 3	Mg 3	0	0
59	2U	4	Total 4	Mg 4	0	0
59	2V	1	Total 1	Mg 1	0	0
59	2X	2	Total 2	Mg 2	0	0
59	2Z	1	Total 1	Mg 1	0	0
59	20	3	Total 3	Mg 3	0	0
59	23	2	Total 2	Mg 2	0	0
59	25	3	Total 3	Mg 3	0	0

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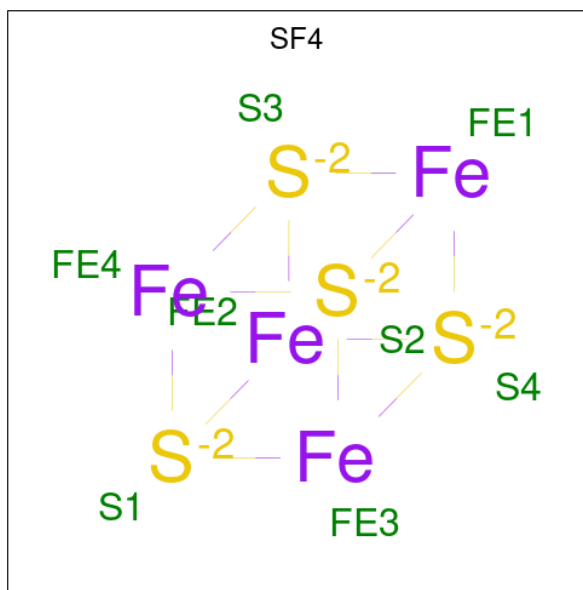
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	27	1	Total 1	Mg 1	0	0
59	28	2	Total 2	Mg 2	0	0
59	2a	239	Total 239	Mg 239	0	0
59	2d	1	Total 1	Mg 1	0	0
59	2e	1	Total 1	Mg 1	0	0
59	2f	2	Total 2	Mg 2	0	0
59	2g	1	Total 1	Mg 1	0	0
59	2j	2	Total 2	Mg 2	0	0
59	2k	1	Total 1	Mg 1	0	0
59	2l	2	Total 2	Mg 2	0	0
59	2p	1	Total 1	Mg 1	0	0
59	2q	5	Total 5	Mg 5	0	0
59	2r	1	Total 1	Mg 1	0	0
59	2t	1	Total 1	Mg 1	0	0
59	2v	4	Total 4	Mg 4	0	0
59	2w	7	Total 7	Mg 7	0	0
59	2x	4	Total 4	Mg 4	0	0
59	2y	7	Total 7	Mg 7	0	0
59	A	1	Total 1	Mg 1	0	0
59	B	1	Total 1	Mg 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: Fe_4S_4).



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

- Molecule 62 is POTASSIUM ION (CCD ID: K) (formula: K).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
62	2A	1	Total	K	0	0
			1	1		

- Molecule 63 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
63	1A	2636	Total	O	0	0
			2636	2636		
63	1B	71	Total	O	0	0
			71	71		
63	1D	31	Total	O	0	0
			31	31		
63	1E	35	Total	O	0	0
			35	35		
63	1F	18	Total	O	0	0
			18	18		
63	1G	6	Total	O	0	0
			6	6		
63	1H	3	Total	O	0	0
			3	3		
63	1I	2	Total	O	0	0
			2	2		
63	1N	10	Total	O	0	0
			10	10		
63	1O	8	Total	O	0	0
			8	8		
63	1P	23	Total	O	0	0
			23	23		
63	1Q	16	Total	O	0	0
			16	16		
63	1R	14	Total	O	0	0
			14	14		
63	1S	4	Total	O	0	0
			4	4		
63	1T	9	Total	O	0	0
			9	9		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
63	1U	13	Total 13	O 13	0	0
63	1V	9	Total 9	O 9	0	0
63	1W	11	Total 11	O 11	0	0
63	1X	8	Total 8	O 8	0	0
63	1Y	7	Total 7	O 7	0	0
63	1Z	2	Total 2	O 2	0	0
63	10	12	Total 12	O 12	0	0
63	11	13	Total 13	O 13	0	0
63	12	4	Total 4	O 4	0	0
63	13	5	Total 5	O 5	0	0
63	14	1	Total 1	O 1	0	0
63	15	5	Total 5	O 5	0	0
63	16	5	Total 5	O 5	0	0
63	17	9	Total 9	O 9	0	0
63	18	13	Total 13	O 13	0	0
63	19	1	Total 1	O 1	0	0
63	1a	523	Total 523	O 523	0	0
63	1b	1	Total 1	O 1	0	0
63	1d	3	Total 3	O 3	0	0
63	1e	3	Total 3	O 3	0	0
63	1g	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
63	1k	3	Total 3	O 3	0	0
63	1l	10	Total 10	O 10	0	0
63	1m	1	Total 1	O 1	0	0
63	1o	2	Total 2	O 2	0	0
63	1p	1	Total 1	O 1	0	0
63	1q	4	Total 4	O 4	0	0
63	1r	1	Total 1	O 1	0	0
63	1t	2	Total 2	O 2	0	0
63	1v	6	Total 6	O 6	0	0
63	1w	26	Total 26	O 26	0	0
63	1x	18	Total 18	O 18	0	0
63	1y	2	Total 2	O 2	0	0
63	2A	1602	Total 1602	O 1602	0	0
63	2B	28	Total 28	O 28	0	0
63	2D	29	Total 29	O 29	0	0
63	2E	15	Total 15	O 15	0	0
63	2F	20	Total 20	O 20	0	0
63	2I	4	Total 4	O 4	0	0
63	2N	2	Total 2	O 2	0	0
63	2P	15	Total 15	O 15	0	0
63	2Q	2	Total 2	O 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
63	2R	5	Total 5	O 5	0	0
63	2T	6	Total 6	O 6	0	0
63	2U	6	Total 6	O 6	0	0
63	2V	4	Total 4	O 4	0	0
63	2W	4	Total 4	O 4	0	0
63	2X	4	Total 4	O 4	0	0
63	2Y	1	Total 1	O 1	0	0
63	2Z	2	Total 2	O 2	0	0
63	20	5	Total 5	O 5	0	0
63	21	14	Total 14	O 14	0	0
63	22	1	Total 1	O 1	0	0
63	23	2	Total 2	O 2	0	0
63	25	4	Total 4	O 4	0	0
63	27	7	Total 7	O 7	0	0
63	28	7	Total 7	O 7	0	0
63	29	1	Total 1	O 1	0	0
63	2a	389	Total 389	O 389	0	0
63	2d	3	Total 3	O 3	0	0
63	2e	3	Total 3	O 3	0	0
63	2f	1	Total 1	O 1	0	0
63	2g	1	Total 1	O 1	0	0

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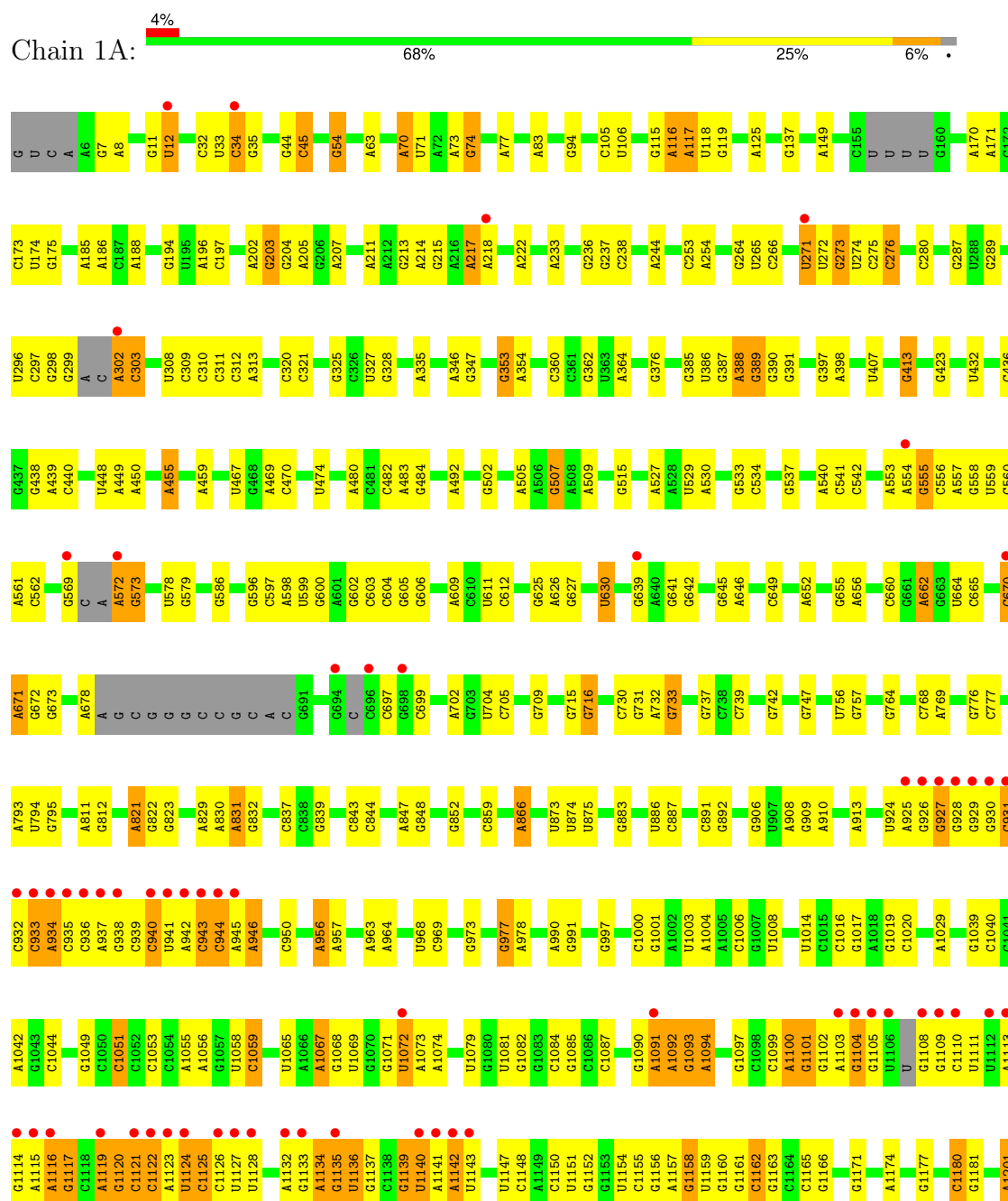
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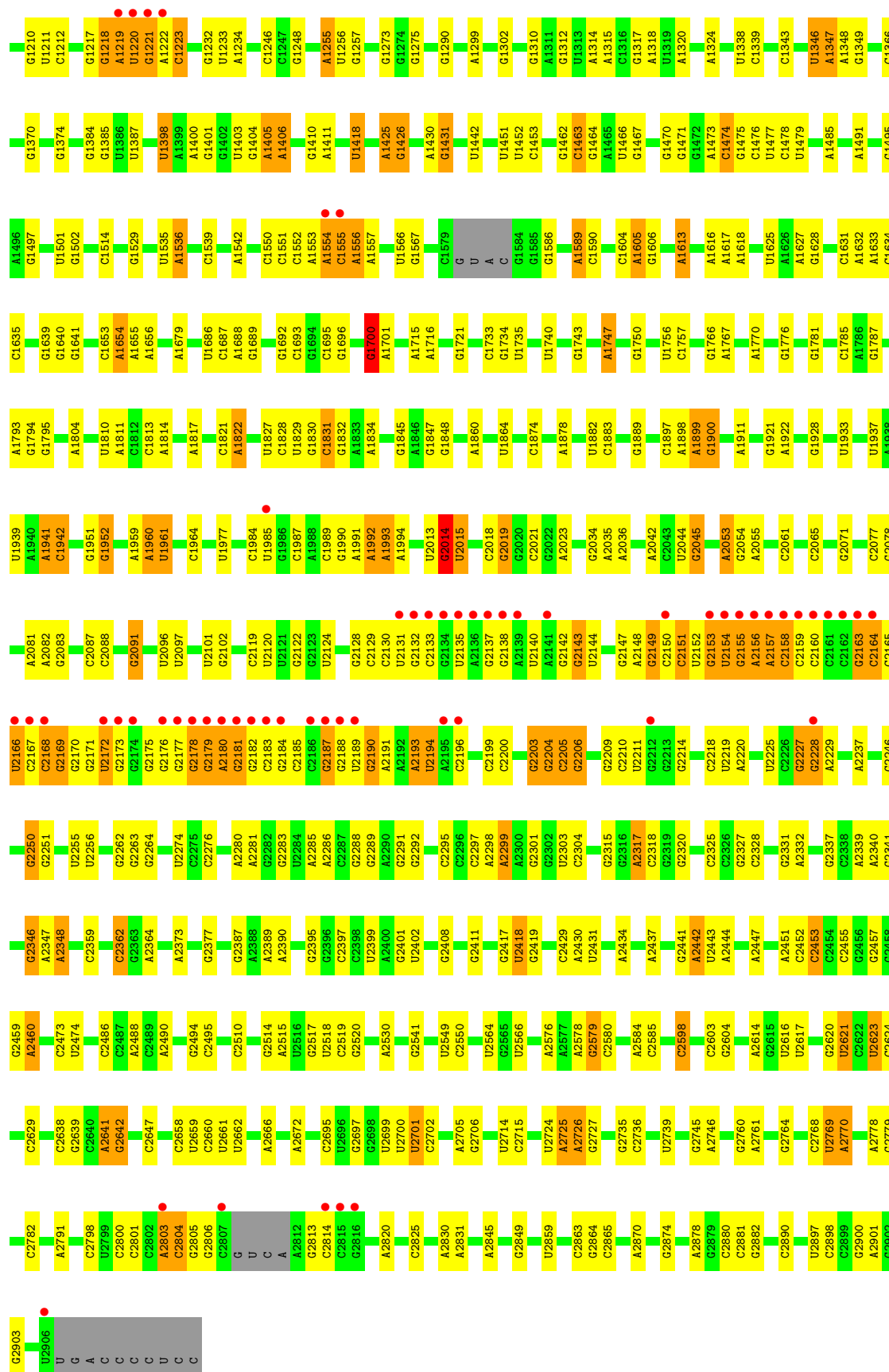
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
63	2h	2	Total	O	0	0
			2	2		
63	2i	1	Total	O	0	0
			1	1		
63	2j	4	Total	O	0	0
			4	4		
63	2l	5	Total	O	0	0
			5	5		
63	2o	1	Total	O	0	0
			1	1		
63	2p	3	Total	O	0	0
			3	3		
63	2q	2	Total	O	0	0
			2	2		
63	2r	1	Total	O	0	0
			1	1		
63	2t	3	Total	O	0	0
			3	3		
63	2u	1	Total	O	0	0
			1	1		
63	2v	1	Total	O	0	0
			1	1		
63	2w	3	Total	O	0	0
			3	3		
63	2x	10	Total	O	0	0
			10	10		
63	2y	20	Total	O	0	0
			20	20		
63	A	4	Total	O	0	0
			4	4		
63	B	2	Total	O	0	0
			2	2		

3 Residue-property plots

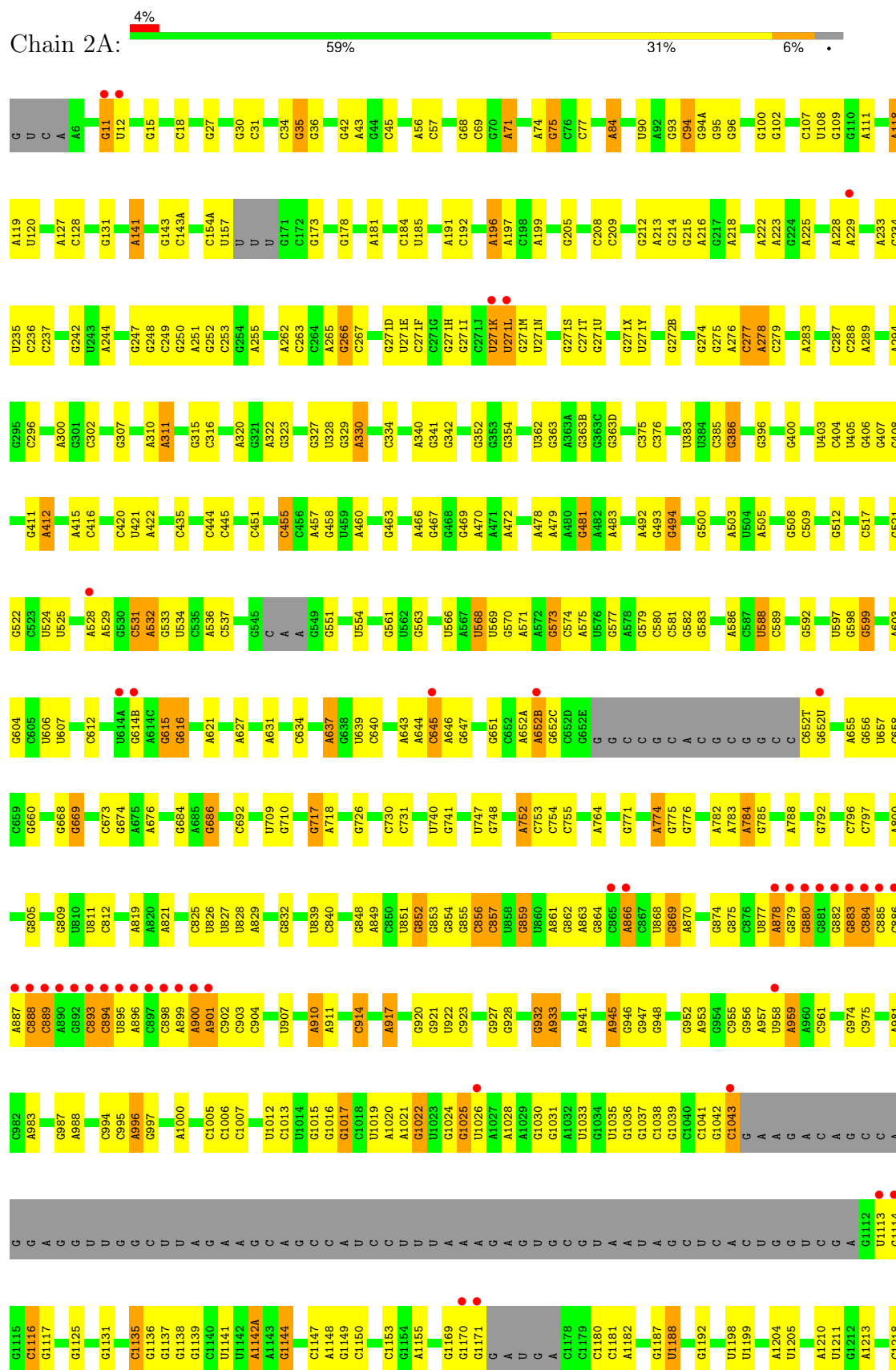
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. 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

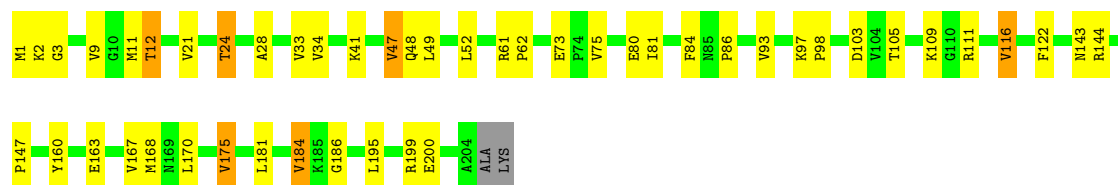




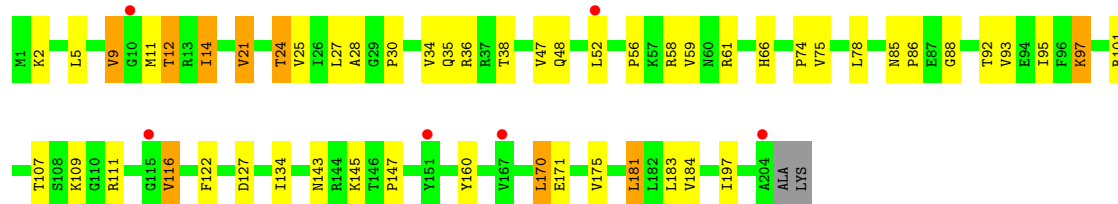
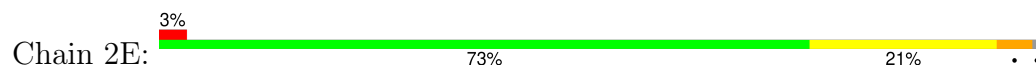
● Molecule 1: 23S Ribosomal RNA



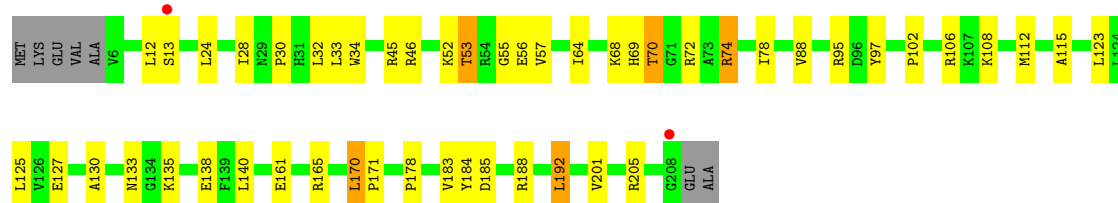
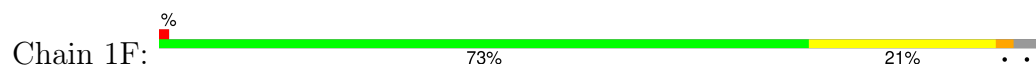
G2624	G2625	G2626	G2627	G2630	G2634	G2646	G2647	G2654	G2657	G2667	G2668	G2674	A2675	G2678	A2679	G2683	G2687	G2688	G2689	G2690	A2693	G2694	G2698	G2699	U2702	A2712A	A2713	G2714	G2718	G2719	U2726	G2727	G2732	A2733	A2741	G2745	U2746	A2747	A2748																																																																																																						
U2506	C2507	G2508	C2512	G2513	A2518	U2519	C2520	G2525	G2529	G2536	U2537	G2538	C2539	G2540	A2541	A2542	G2543	G2544	U2547	U2552	G2553	U2554	G2558	C2559	U2562	U2563	A2564	A2565	A2566	G2567	A2572	C2573	G2574	C2586	A2590	A2602	U2605	U2609	U2610	G2612	A2603	U2504	G2617																																																																																																		
G2409	A2412	U2419	C2420	A2425	G2429	A2430	U2431	A2432	A2433	A2434	A2435	U2438	A2439	C2440	G2441	C2442	G2443	G2444	G2445	A2448	C2461	U2462	C2467	G2468	A2469	G2470	G2471	G2472	U2473	G2474	G2475	A2476	G2484	G2485	G2486	G2487	A2488	G2489	G2490	G2494	G2495	G2496	A2497	C2498	G2502	A2503	U2504	G2505																																																																																													
C2316	C2317	G2318	G2319	G2320	G2321	G2325	G2326	A2327	G2328	G2329	G2330	G2334	A2335	A2336	C2342	C2343	U2344	G2345	A2346	C2347	C2350	C2355	C2364	G2365	A2366	G2367	C2368	A2369	G2370	G2371	G2372	G2373	G2374	G2375	A2376	A2377	A2378	C2381	G2382	G2383	G2384	C2385	C2394	C2402	C2403	G2404	G2405	U2406	U2407																																																																																												
U2197	A2198	G2206	G2207	A2208	U2218	G2219	G2224	A2225	U2233	G2238	G2239	G2242	U2243	U2244	G2248	U2249	G2250	G2251	A2268	A2269	G2270	G2271	U2272	A2273	G2274	G2275	G2276	G2277	A2278	G2279	C2283	C2284	C2285	A2286	A2287	A2288	U2291	C2292	C2293	C2294	C2295	U2296	G2297	A2298	A2299	A2305	G2308	G2315																																																																																													
G2131	U2132	G2133	A2134	C2135	C2136	C2137	C2138	C2139	C2140	G2141	C2142	C2143	U2144	C2145	G2146	G2147	G2148	G2149	U2150	G2151	G2152	G2153	G2154	G2155	G2156	G2157	A2158	C2159	G2160	C2161	C2162	C2163	C2164	G2165	G2166	U2167	G2168	A2169	A2170	A2171	U2172	C2173	C2174	C2175	U2180	G2181	G2182	G2183	G2184	C2185	U2189	G2190	G2191	G2192																																																																																							
C2039	C2040	C2043	C2049	C2055	G2056	A2057	A2058	A2059	A2060	G2061	C2064	C2065	C2066	G2067	U2068	G2069	G2070	U2074	U2075	U2079	C2095	U2096	C2097	U2098	U2099	C2103	G2104	C2105	U2109	G2110	C2111	G2112	U2113	A2114	G2115	G2116	A2117	U2118	A2119	G2120	G2121	U2122	G2123	G2124	G2125	A2126	U2034	G2035	C2036	G2037	U2130																																																																																										
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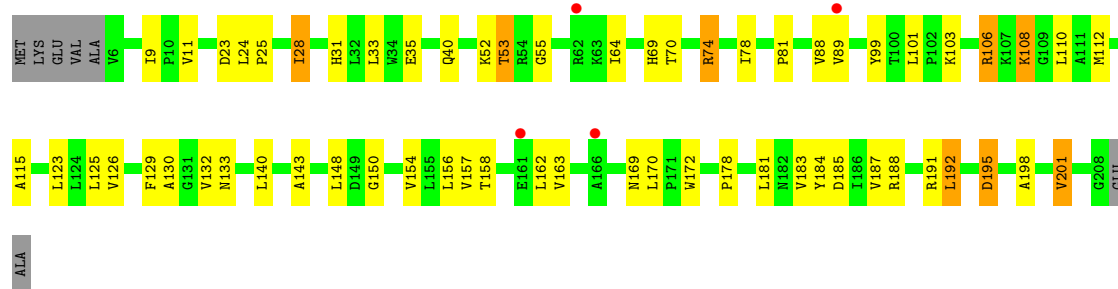
- Molecule 4: 50S ribosomal protein L3



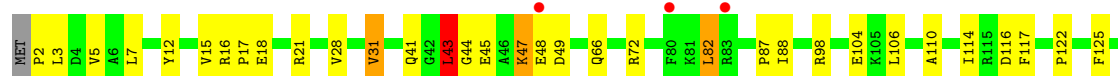
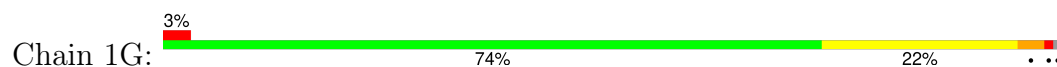
- Molecule 5: 50S ribosomal protein L4

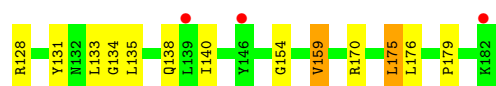


- Molecule 5: 50S ribosomal protein L4

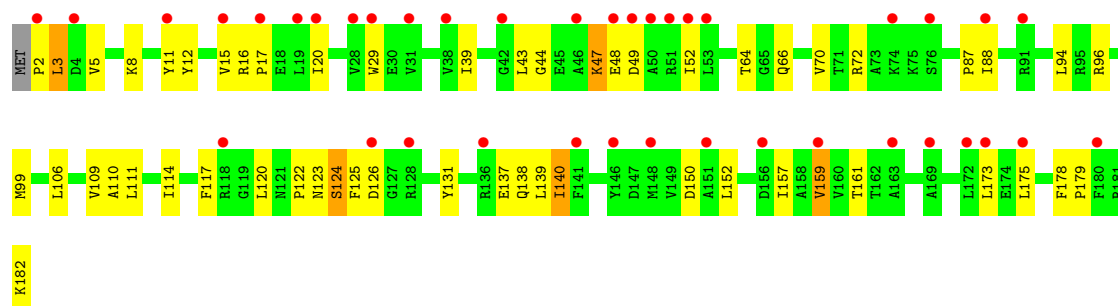


- Molecule 6: 50S ribosomal protein L5

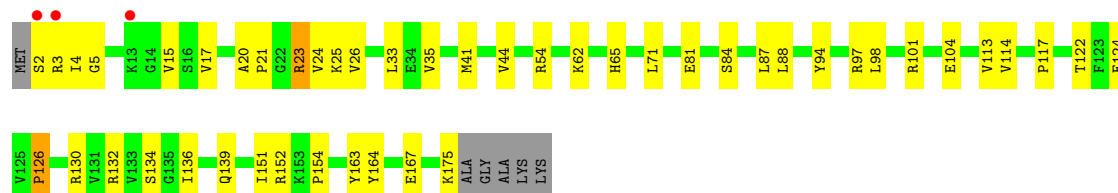




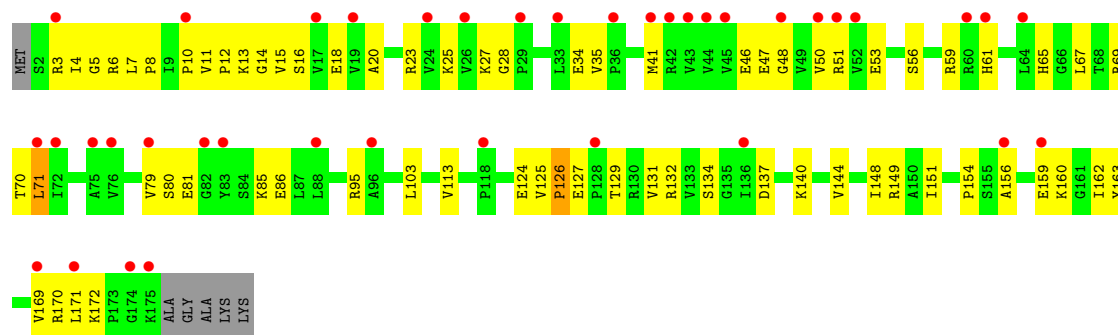
• Molecule 6: 50S ribosomal protein L5



• Molecule 7: 50S ribosomal protein L6



• Molecule 7: 50S ribosomal protein L6



• Molecule 8: 50S ribosomal protein L9

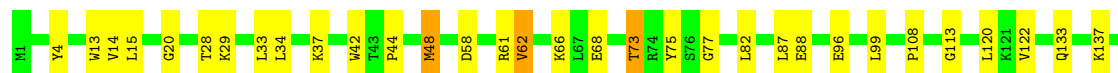
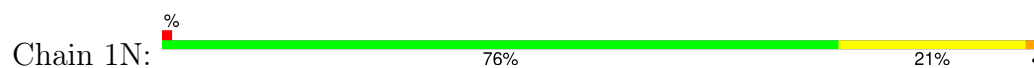




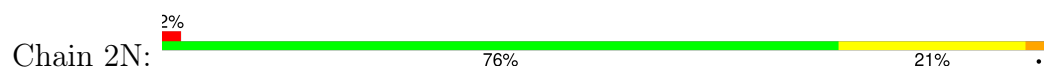
- Molecule 8: 50S ribosomal protein L9



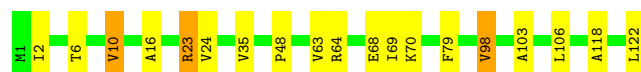
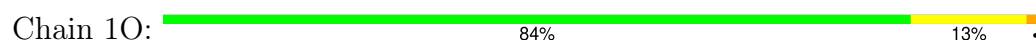
- Molecule 9: 50S ribosomal protein L13



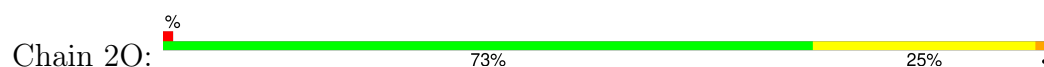
- Molecule 9: 50S ribosomal protein L13



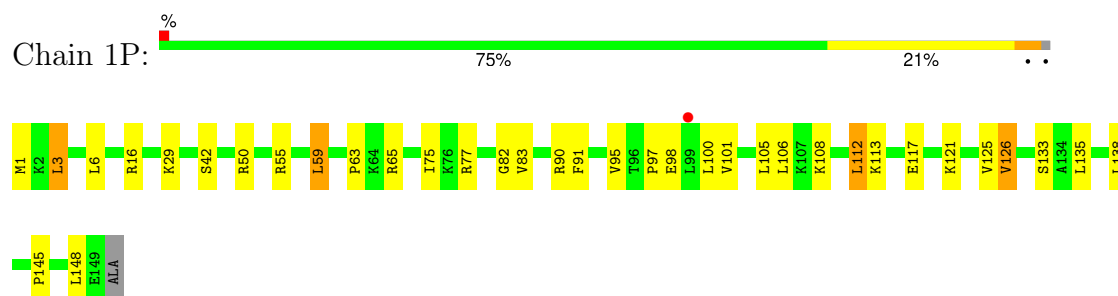
- Molecule 10: 50S ribosomal protein L14



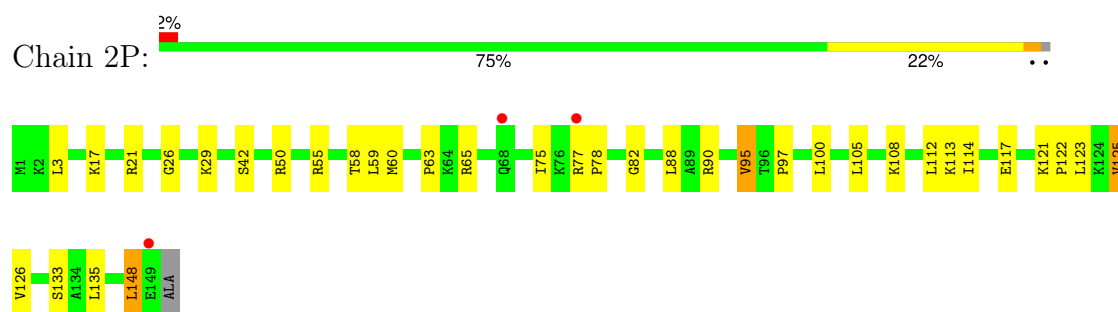
- Molecule 10: 50S ribosomal protein L14



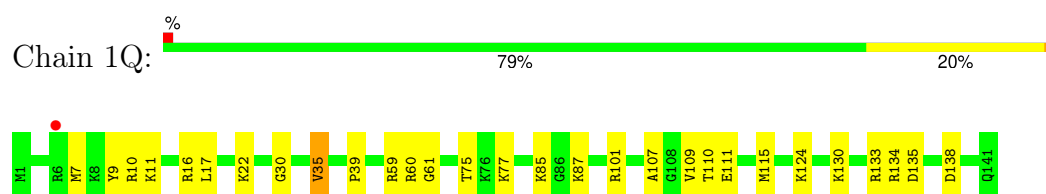
• Molecule 11: 50S ribosomal protein L15



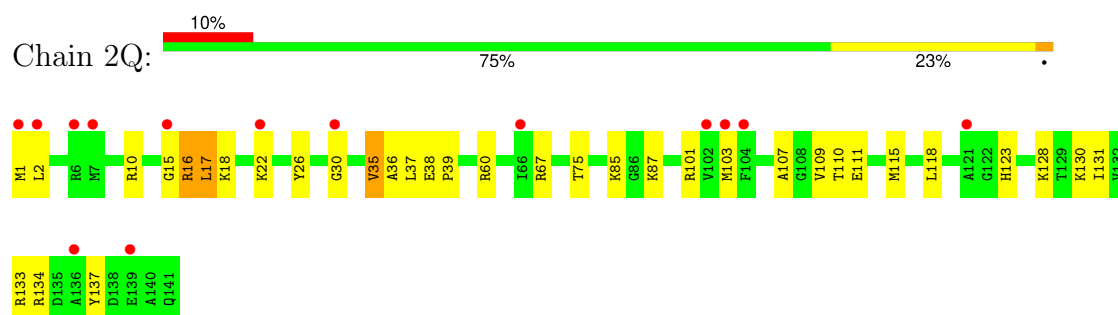
• Molecule 11: 50S ribosomal protein L15



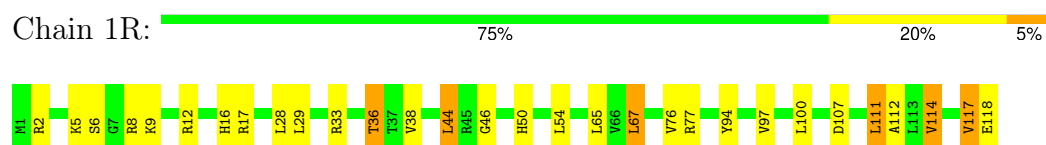
• Molecule 12: 50S ribosomal protein L16



• Molecule 12: 50S ribosomal protein L16

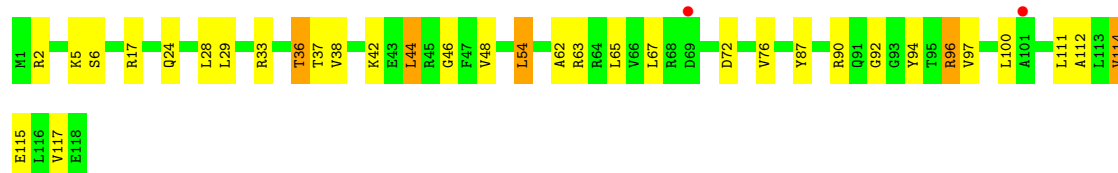


• Molecule 13: 50S ribosomal protein L17

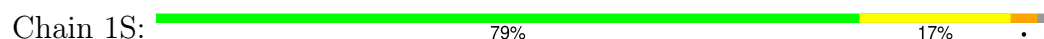


• Molecule 13: 50S ribosomal protein L17

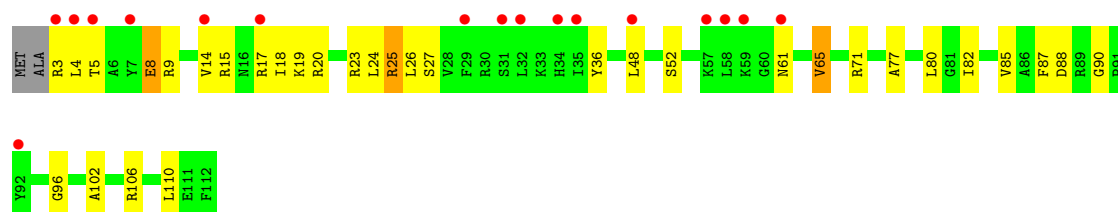




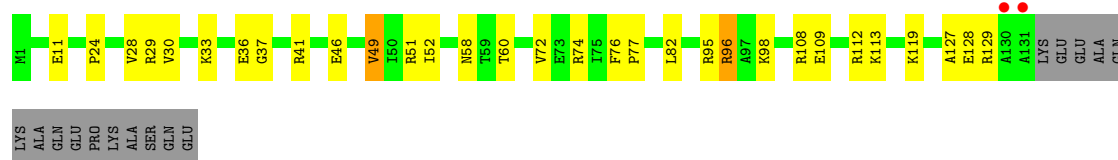
- Molecule 14: 50S ribosomal protein L18



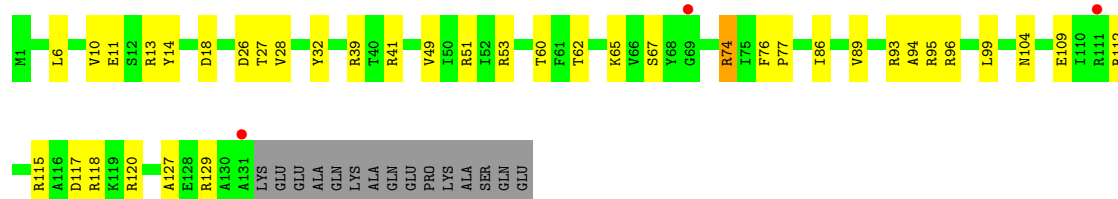
- Molecule 14: 50S ribosomal protein L18



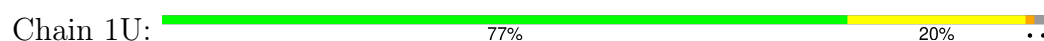
- Molecule 15: 50S ribosomal protein L19



- Molecule 15: 50S ribosomal protein L19



- Molecule 16: 50S ribosomal protein L20





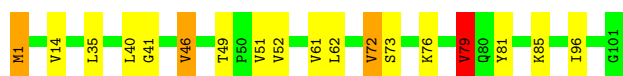
- Molecule 16: 50S ribosomal protein L20

Chain 2U: 86% 11% ..



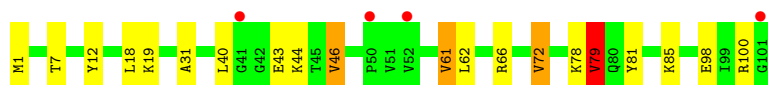
- Molecule 17: 50S ribosomal protein L21

Chain 1V: 82% 14% ..



- Molecule 17: 50S ribosomal protein L21

Chain 2V: 80% 16% ..



- Molecule 18: 50S ribosomal protein L22

Chain 1W: 81% 15% ..



- Molecule 18: 50S ribosomal protein L22

Chain 2W: 81% 17% ..



- Molecule 19: 50S ribosomal protein L23

Chain 1X: 78% 20% ..

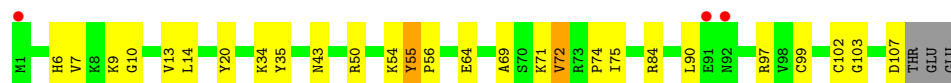
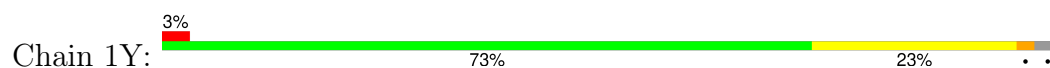


- Molecule 19: 50S ribosomal protein L23

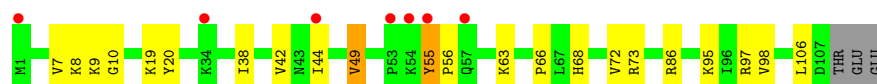
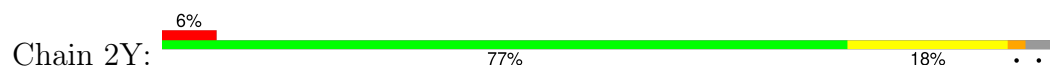
Chain 2X: 75% 23% ..



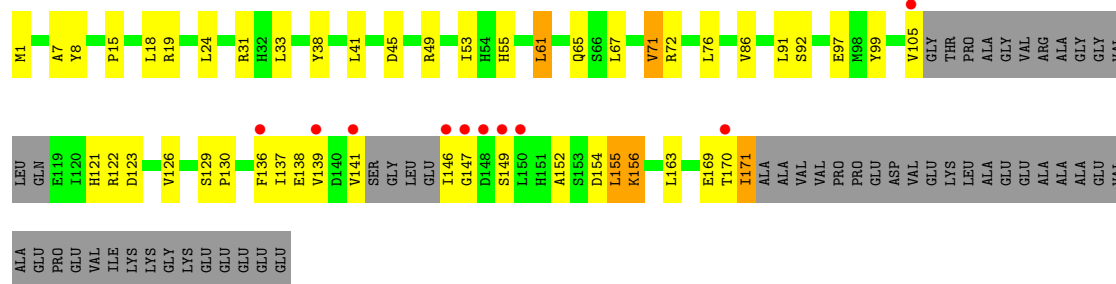
- Molecule 20: 50S ribosomal protein L24



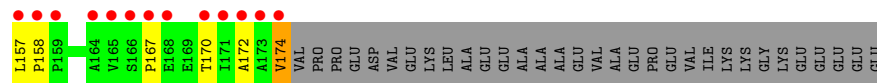
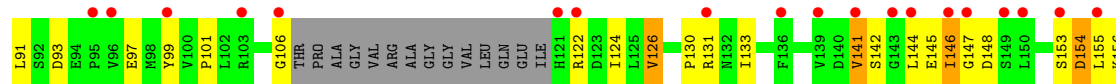
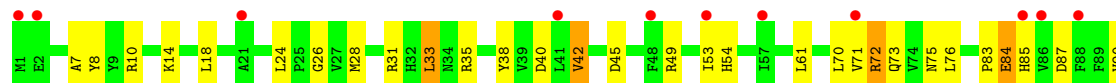
- Molecule 20: 50S ribosomal protein L24



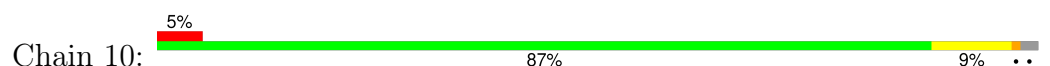
- Molecule 21: 50S ribosomal protein L25



- Molecule 21: 50S ribosomal protein L25

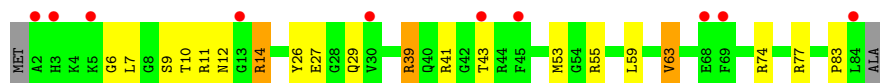
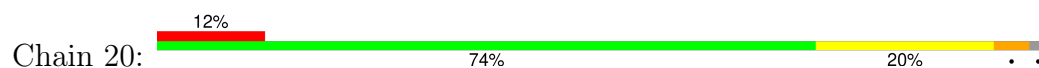


- Molecule 22: 50S ribosomal protein L27

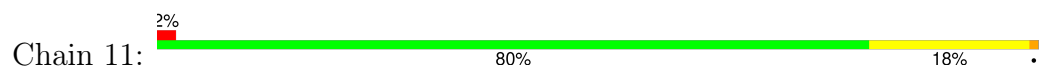




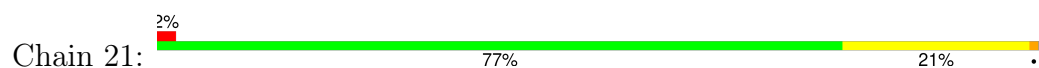
- Molecule 22: 50S ribosomal protein L27



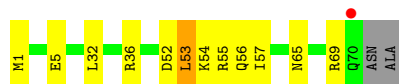
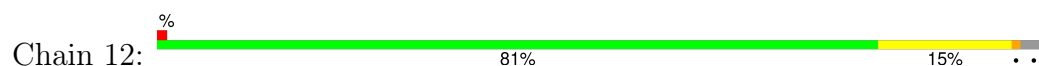
- Molecule 23: 50S ribosomal protein L28



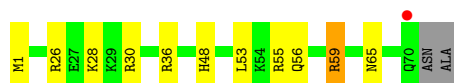
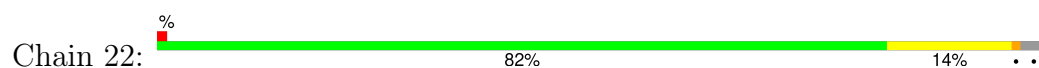
- Molecule 23: 50S ribosomal protein L28



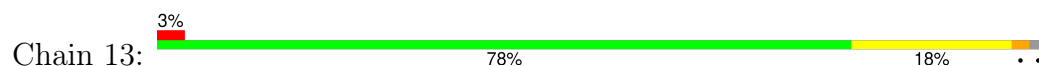
- Molecule 24: 50S ribosomal protein L29



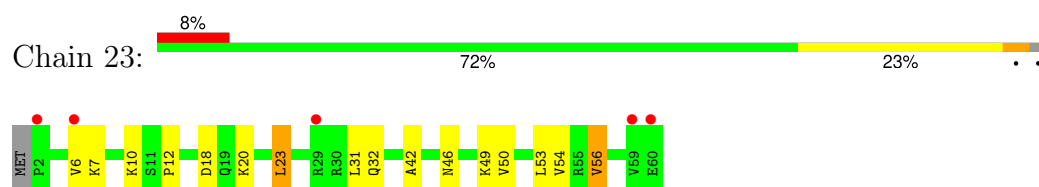
- Molecule 24: 50S ribosomal protein L29



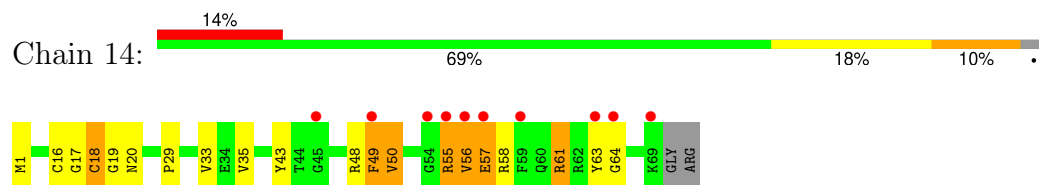
- Molecule 25: 50S ribosomal protein L30



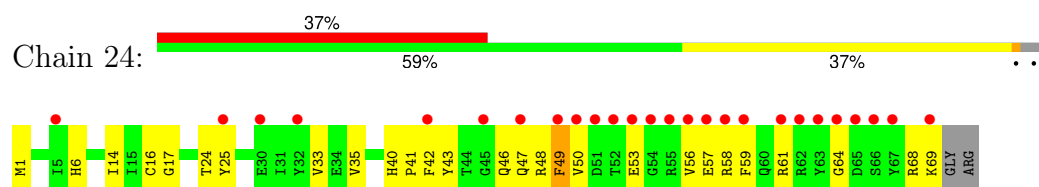
- Molecule 25: 50S ribosomal protein L30



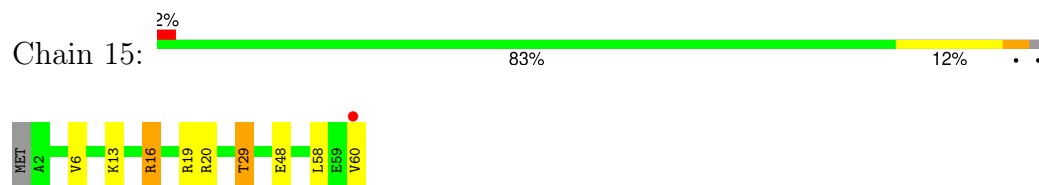
- Molecule 26: 50S ribosomal protein L31



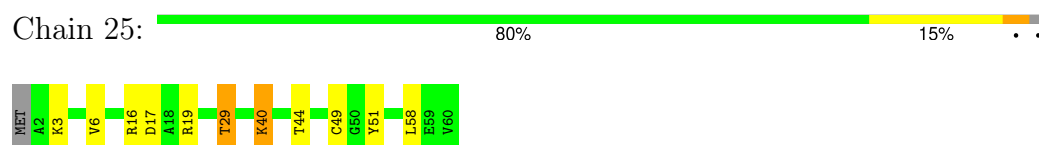
- Molecule 26: 50S ribosomal protein L31



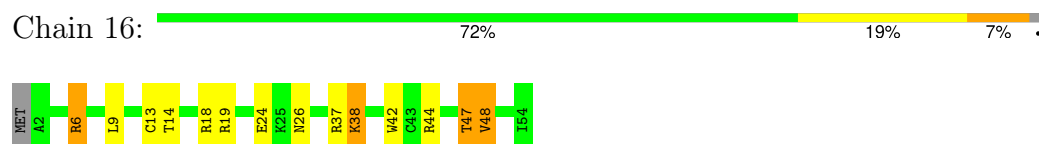
- Molecule 27: 50S ribosomal protein L32



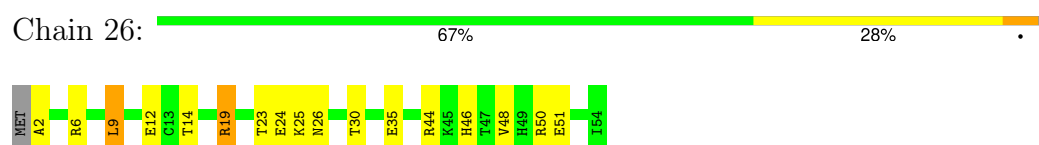
- Molecule 27: 50S ribosomal protein L32



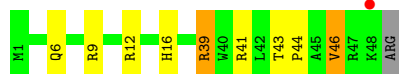
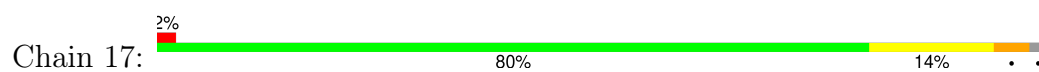
- Molecule 28: 50S ribosomal protein L33



- Molecule 28: 50S ribosomal protein L33



- Molecule 29: 50S ribosomal protein L34



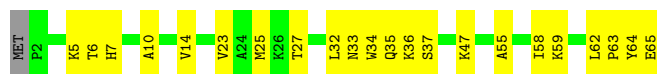
- Molecule 29: 50S ribosomal protein L34



- Molecule 30: 50S ribosomal protein L35



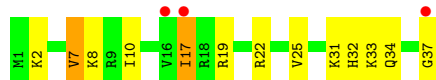
- Molecule 30: 50S ribosomal protein L35



- Molecule 31: 50S ribosomal protein L36

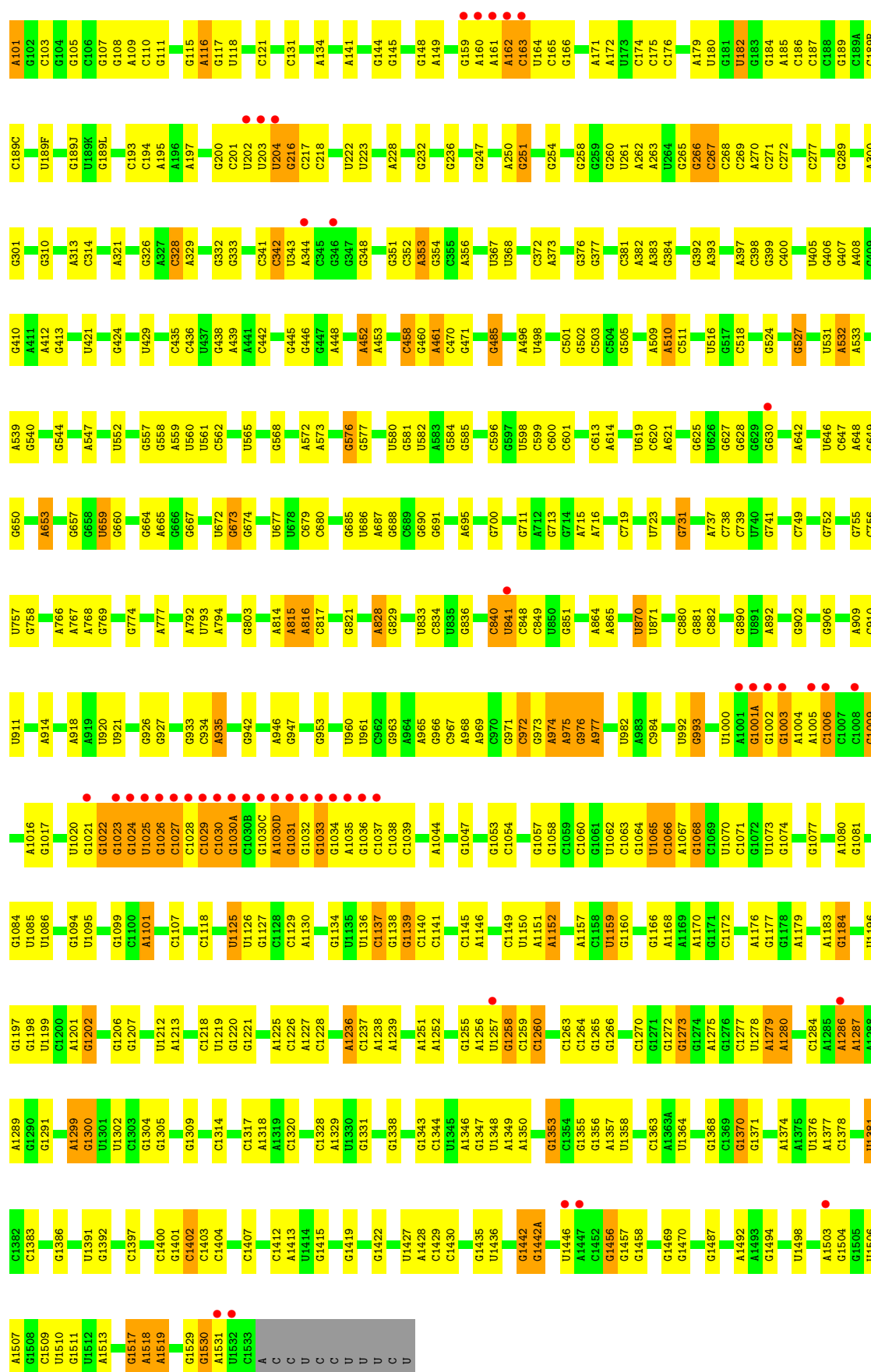


- Molecule 31: 50S ribosomal protein L36

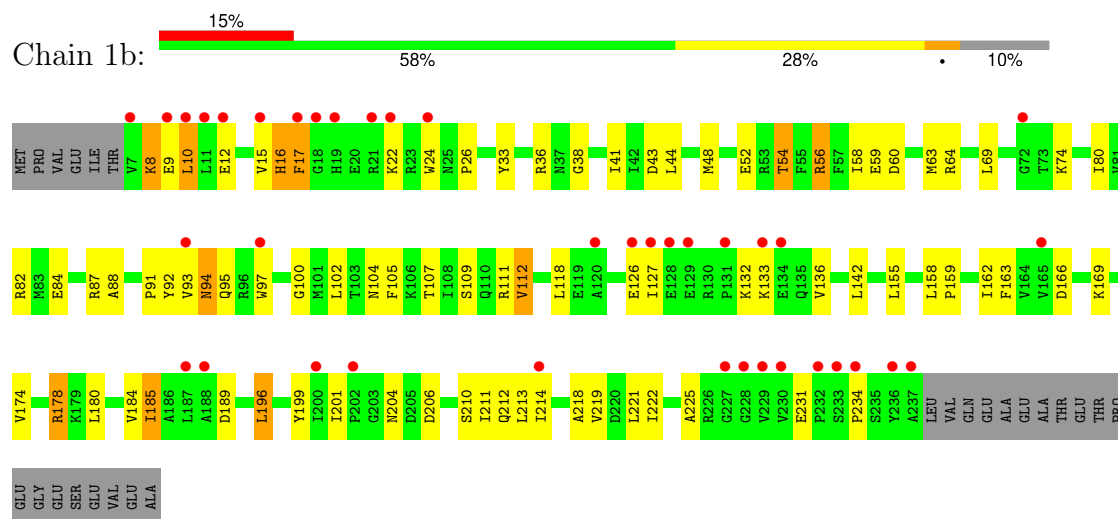


- Molecule 32: 16S Ribosomal RNA

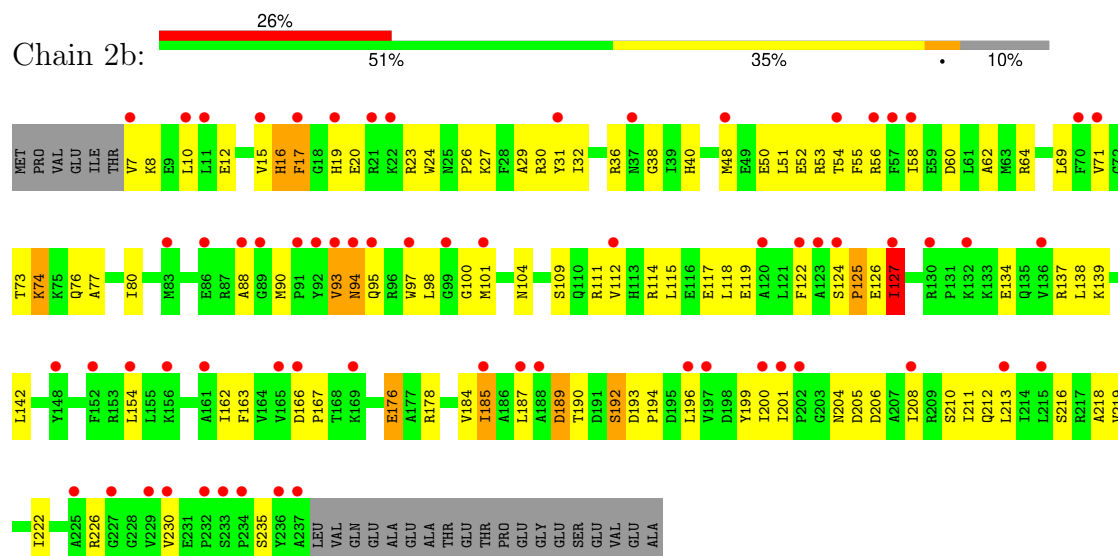




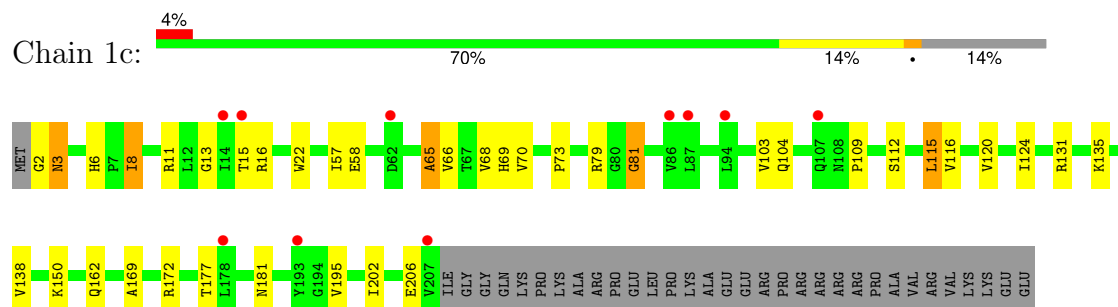
• Molecule 33: 30S ribosomal protein S2



• Molecule 33: 30S ribosomal protein S2

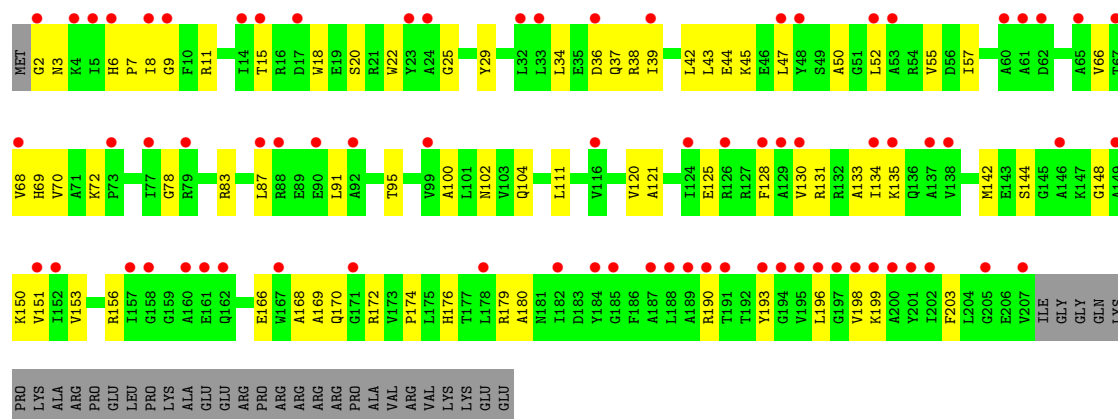


• Molecule 34: 30S ribosomal protein S3

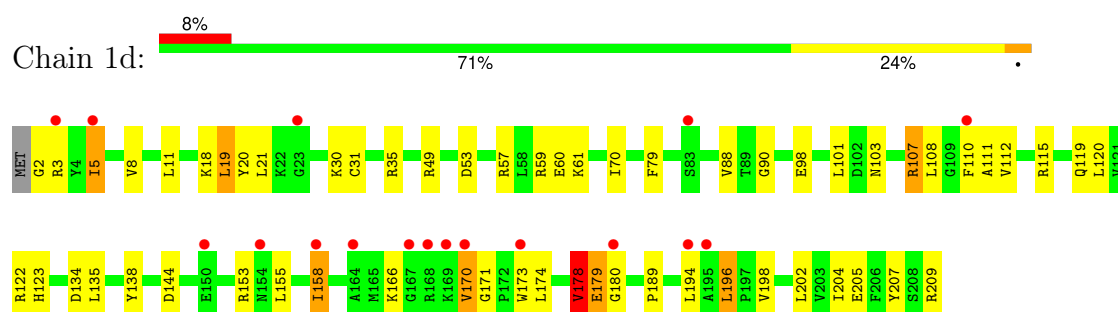


• Molecule 34: 30S ribosomal protein S3

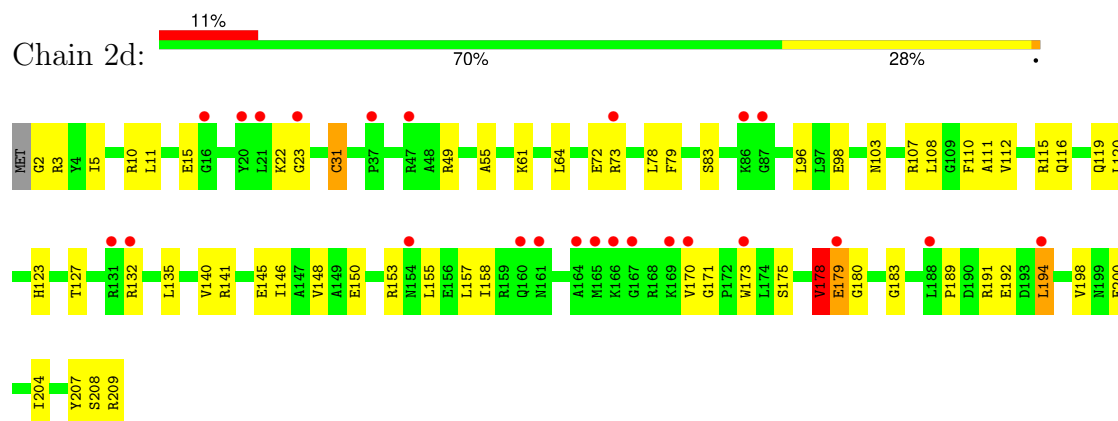




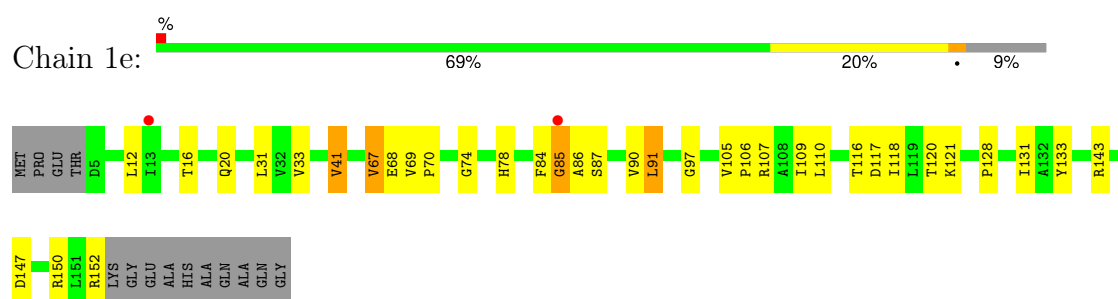
- Molecule 35: 30S ribosomal protein S4



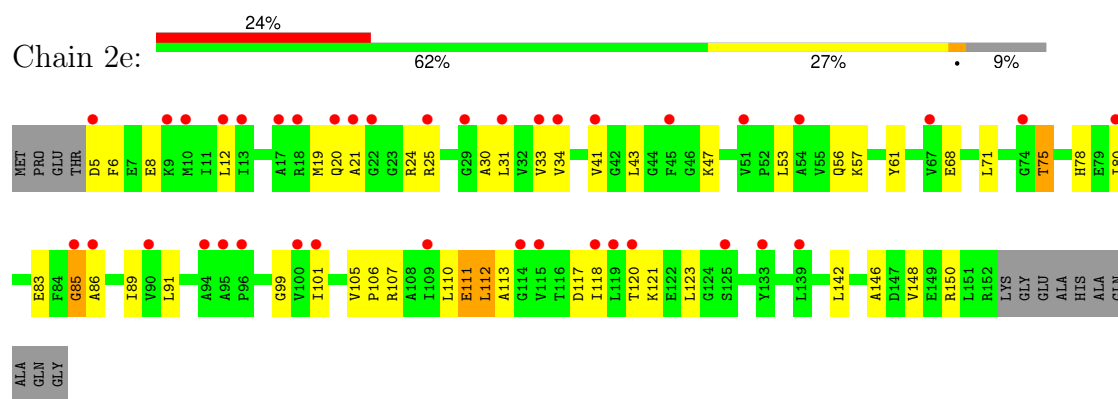
- Molecule 35: 30S ribosomal protein S4



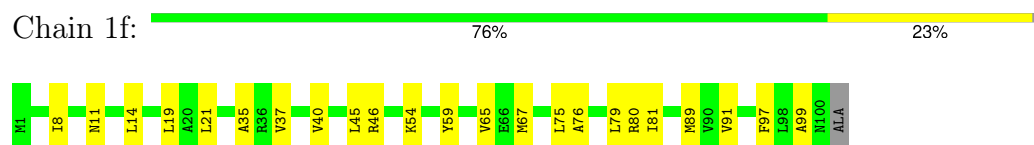
- Molecule 36: 30S ribosomal protein S5



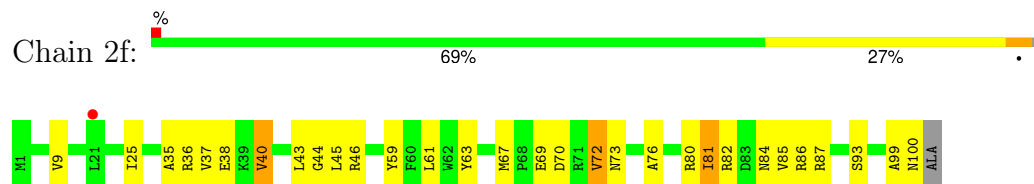
- Molecule 36: 30S ribosomal protein S5



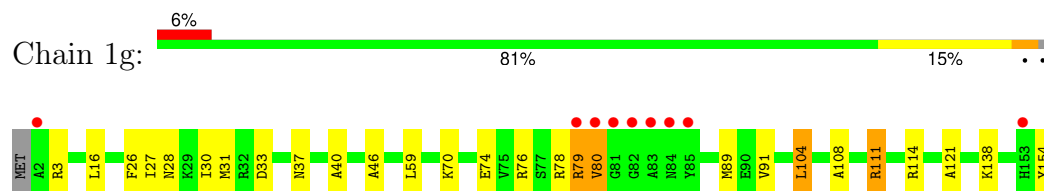
- Molecule 37: 30S ribosomal protein S6



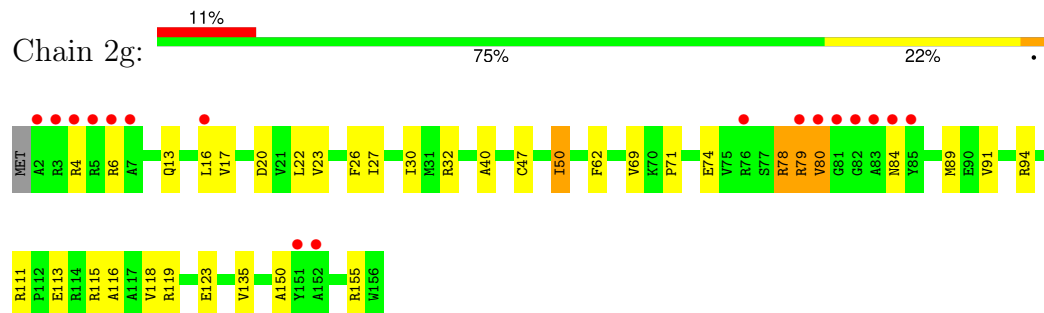
- Molecule 37: 30S ribosomal protein S6



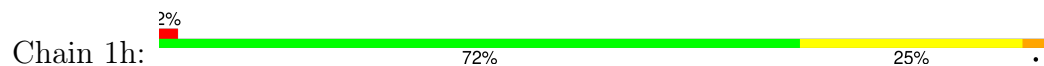
- Molecule 38: 30S ribosomal protein S7

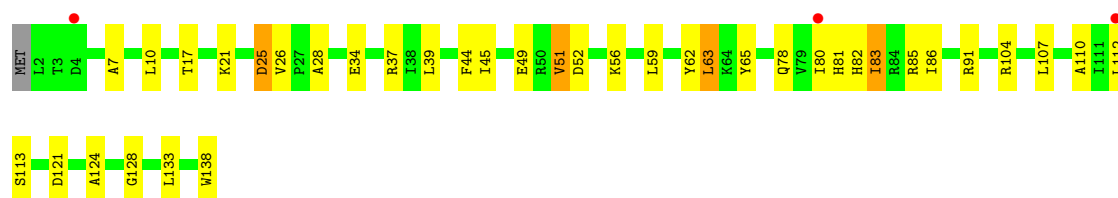


- Molecule 38: 30S ribosomal protein S7

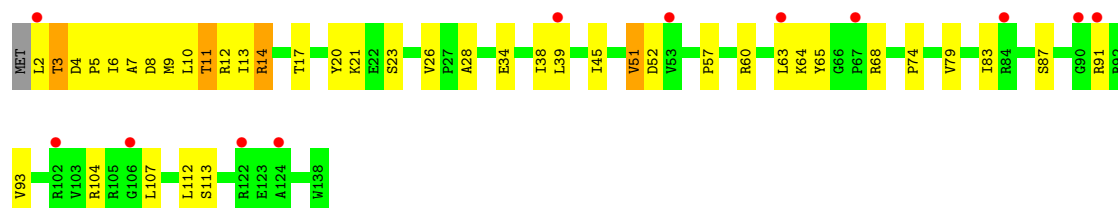


- Molecule 39: 30S ribosomal protein S8

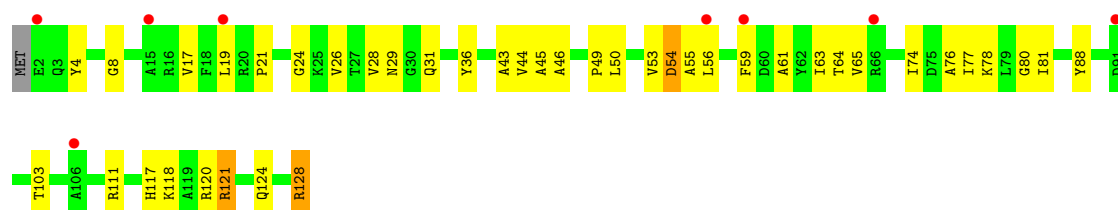




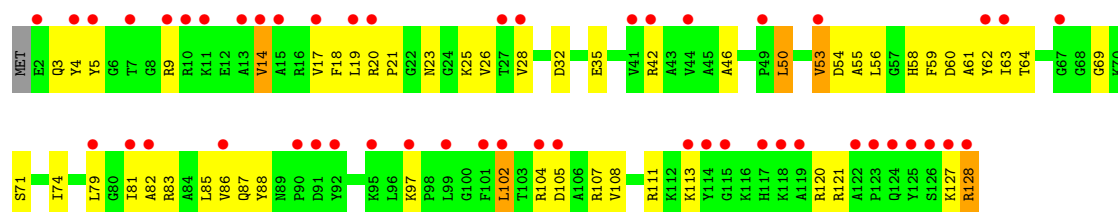
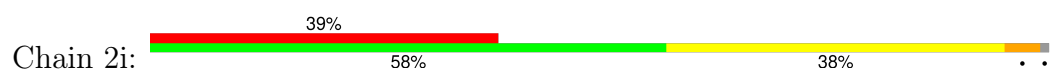
- Molecule 39: 30S ribosomal protein S8



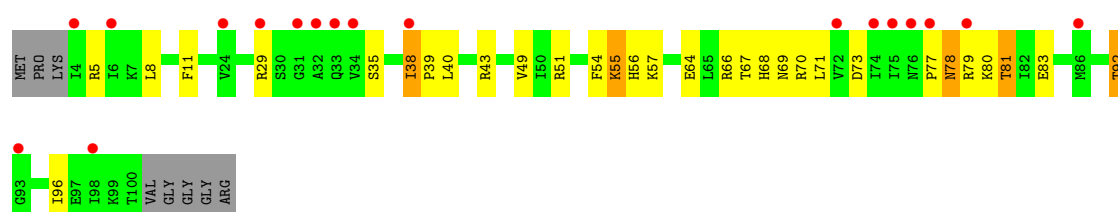
- Molecule 40: 30S ribosomal protein S9



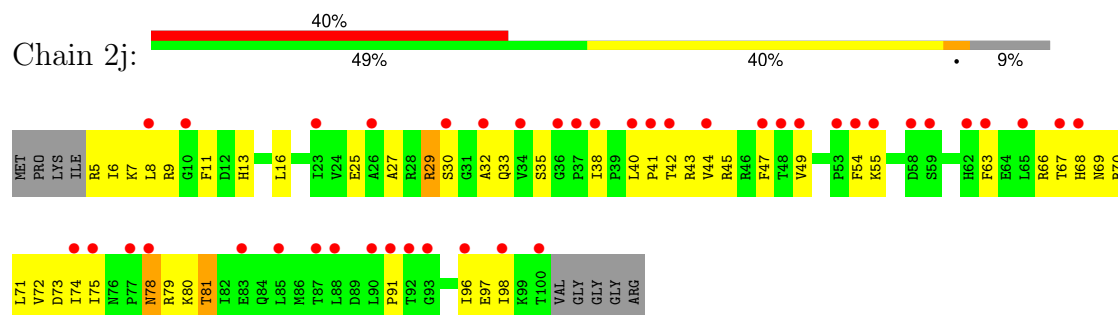
- Molecule 40: 30S ribosomal protein S9



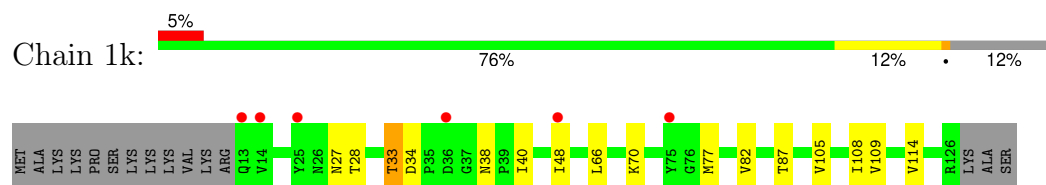
- Molecule 41: 30S ribosomal protein S10



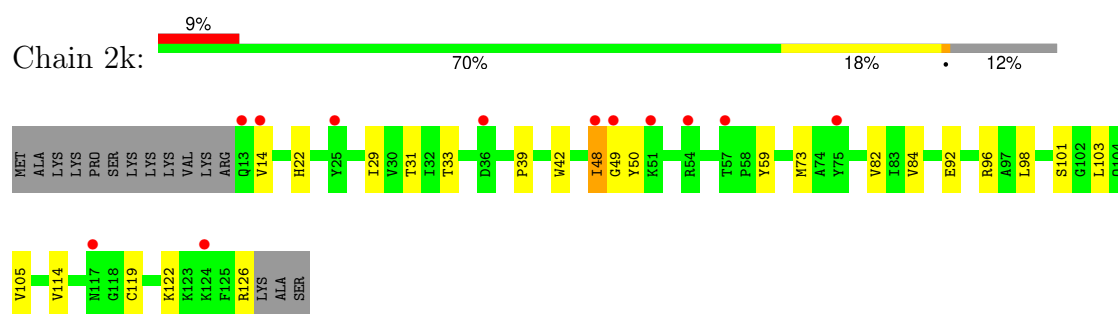
- Molecule 41: 30S ribosomal protein S10



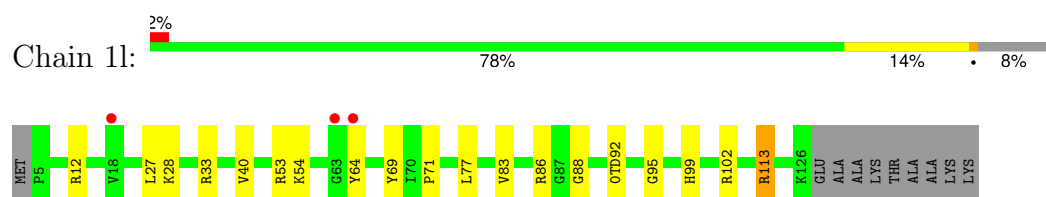
- Molecule 42: 30S ribosomal protein S11



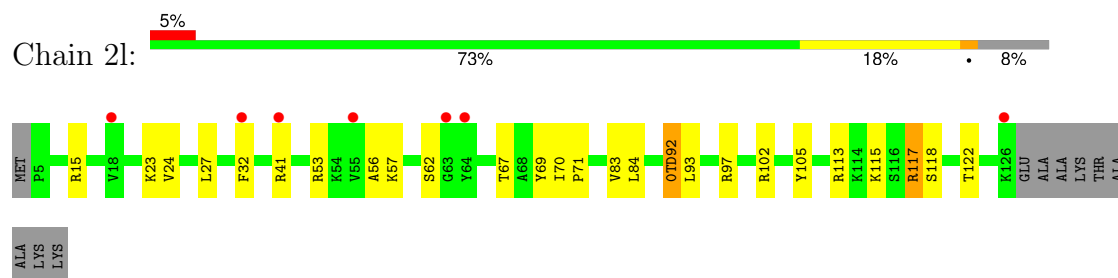
- Molecule 42: 30S ribosomal protein S11



- Molecule 43: 30S ribosomal protein S12

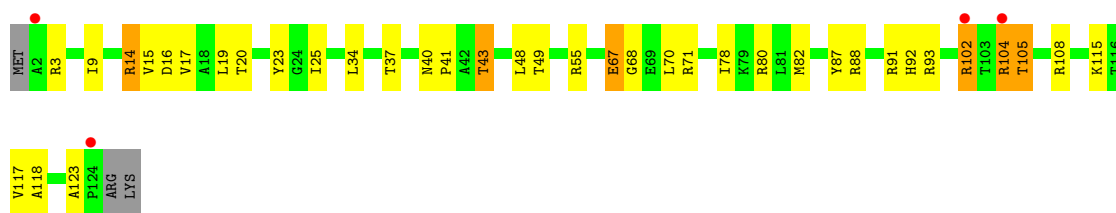


- Molecule 43: 30S ribosomal protein S12

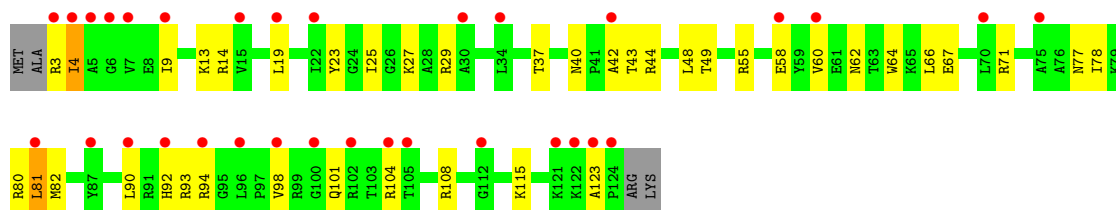


- Molecule 44: 30S ribosomal protein S13





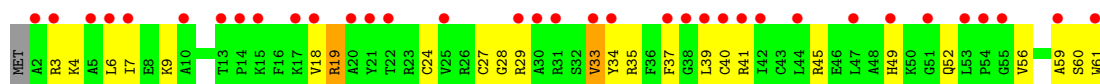
- Molecule 44: 30S ribosomal protein S13



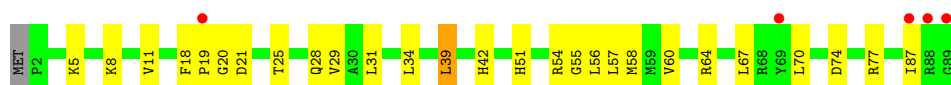
- Molecule 45: 30S ribosomal protein S14 type Z



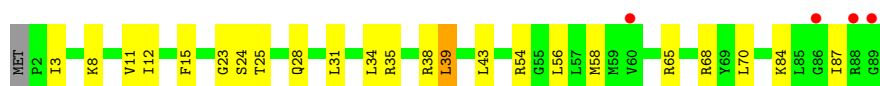
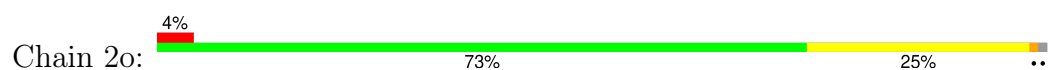
- Molecule 45: 30S ribosomal protein S14 type Z



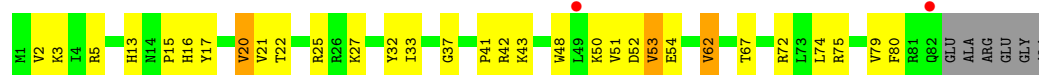
- Molecule 46: 30S ribosomal protein S15



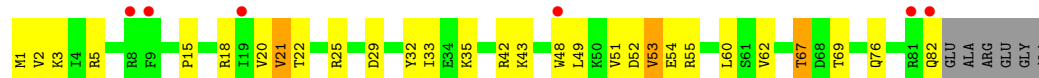
- Molecule 46: 30S ribosomal protein S15



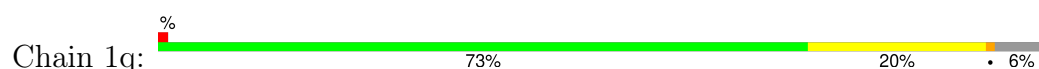
- Molecule 47: 30S ribosomal protein S16



- Molecule 47: 30S ribosomal protein S16



- Molecule 48: 30S ribosomal protein S17



- Molecule 48: 30S ribosomal protein S17



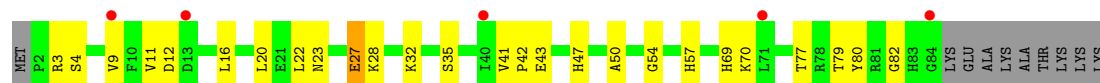
- Molecule 49: 30S ribosomal protein S18



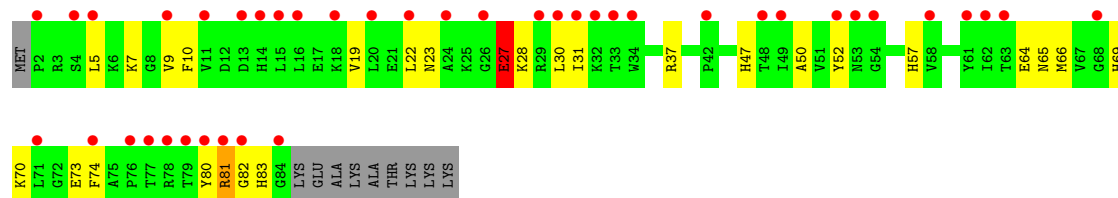
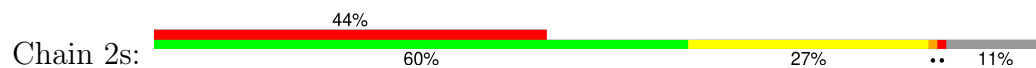
- Molecule 49: 30S ribosomal protein S18



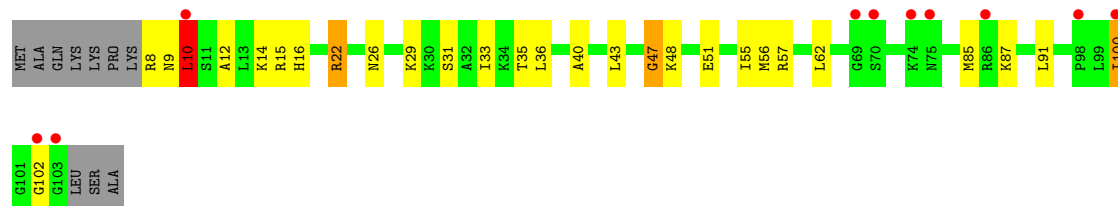
- Molecule 50: 30S ribosomal protein S19



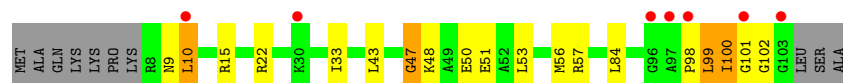
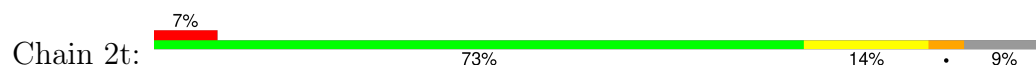
- Molecule 50: 30S ribosomal protein S19



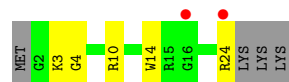
- Molecule 51: 30S ribosomal protein S20



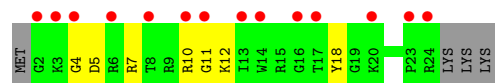
- Molecule 51: 30S ribosomal protein S20



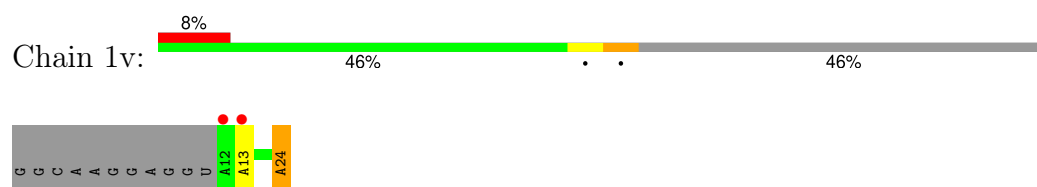
- Molecule 52: 30S ribosomal protein Thx



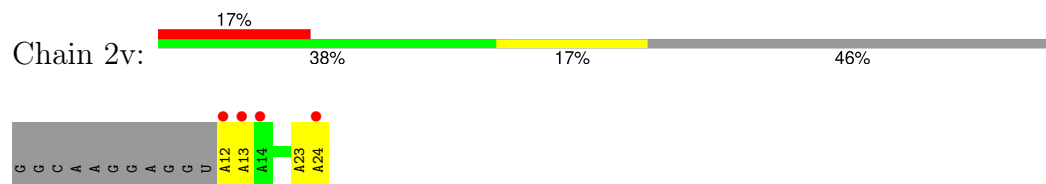
- Molecule 52: 30S ribosomal protein Thx



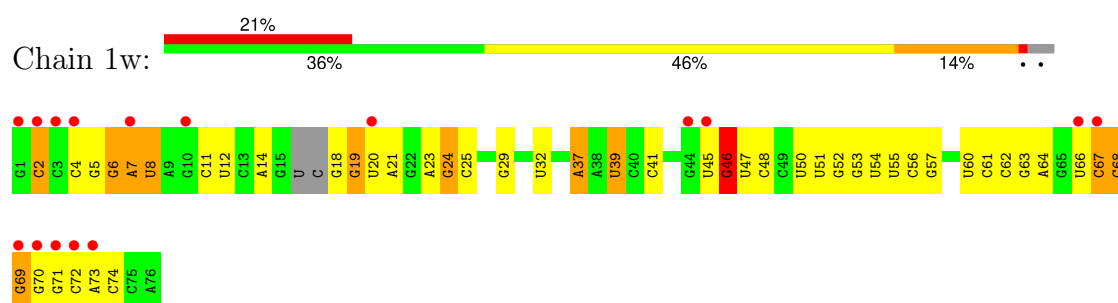
- Molecule 53: mRNA



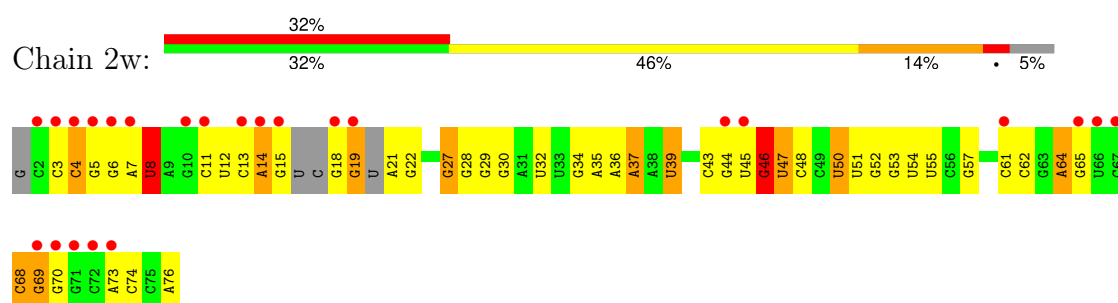
- Molecule 53: mRNA



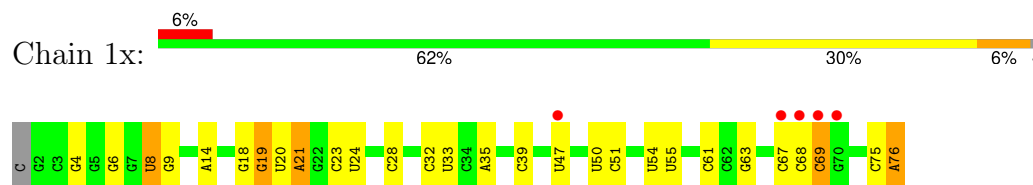
- Molecule 54: tRNA, A-site and E-site tRNAs



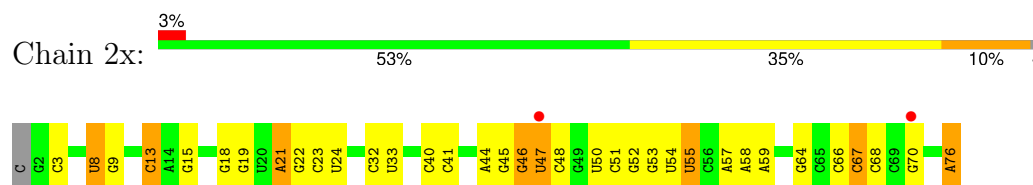
- Molecule 54: tRNA, A-site and E-site tRNAs



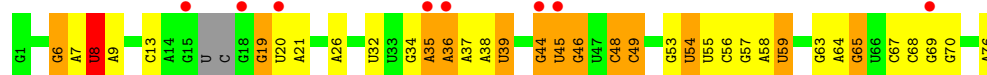
- Molecule 55: P-site tRNA



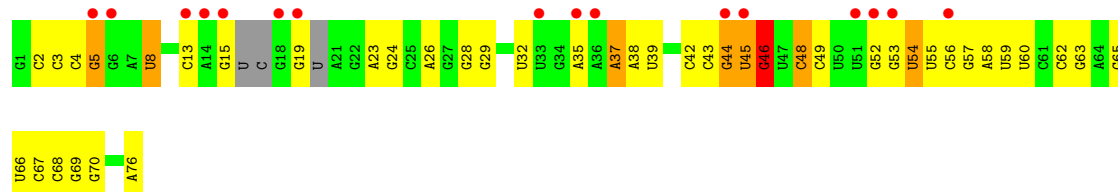
- Molecule 55: P-site tRNA



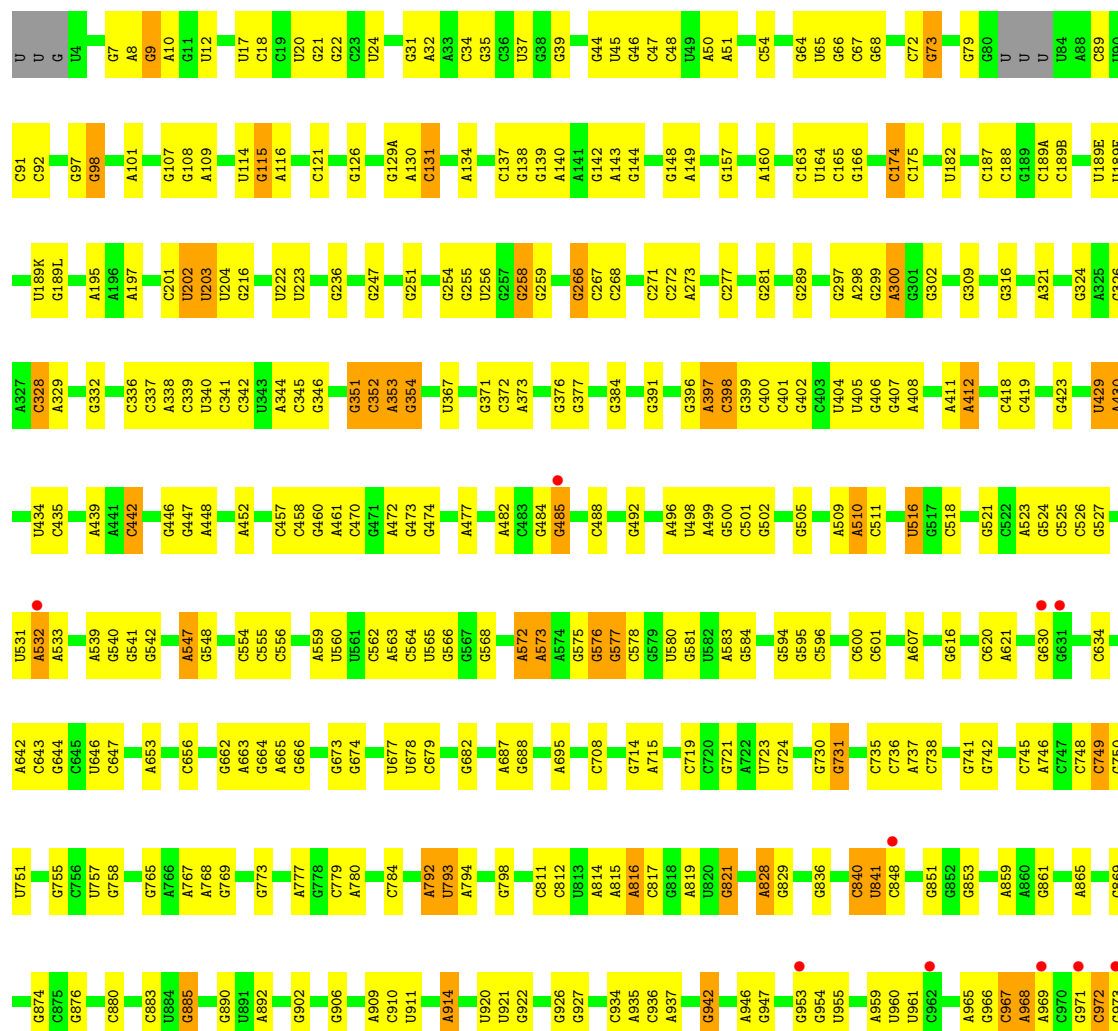
- Molecule 56: tRNA

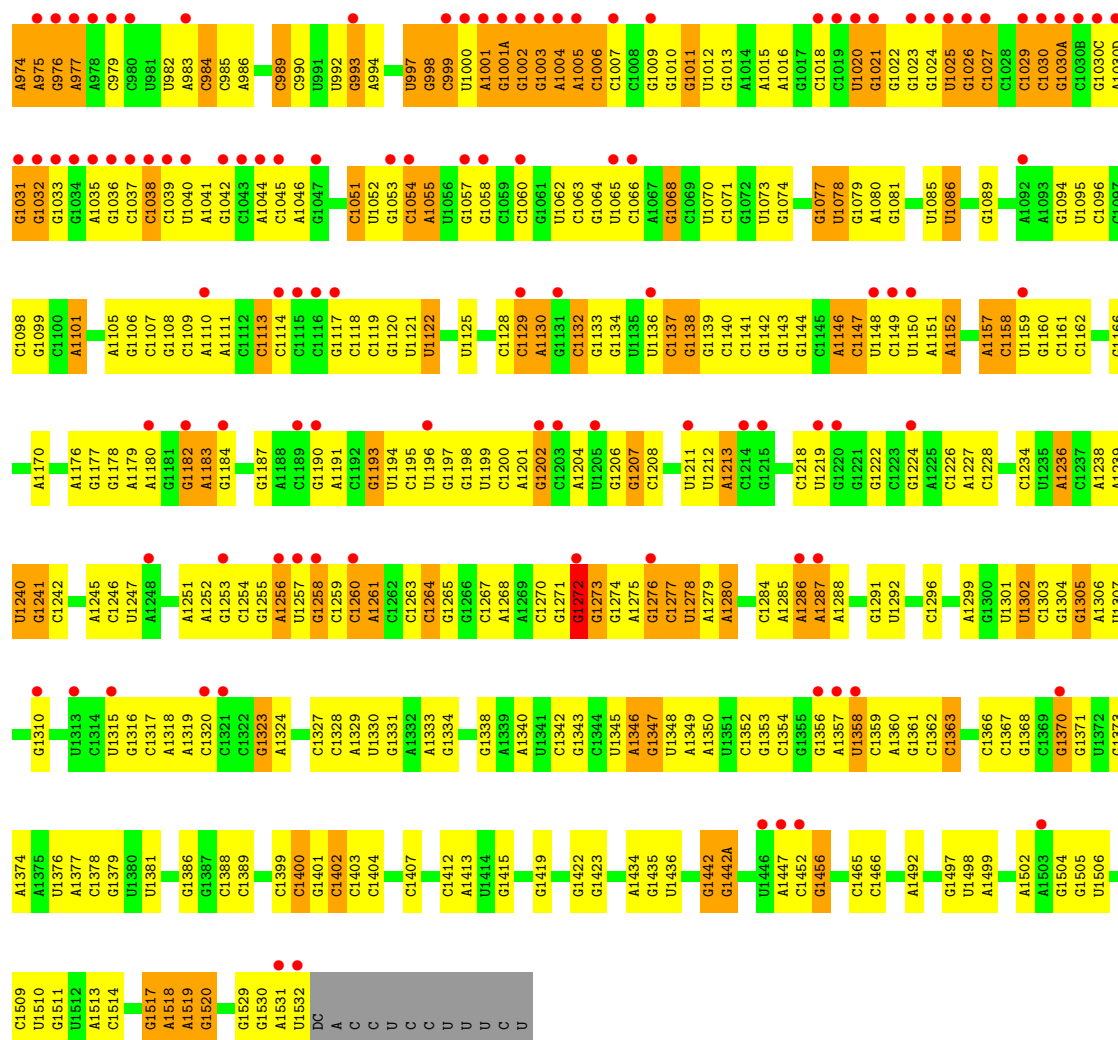


• Molecule 56: tRNA



• Molecule 57: 16S Ribosomal RNA





4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.64Å 449.06Å 622.01Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	155.50 – 2.70 155.50 – 2.70	Depositor EDS
% Data completeness (in resolution range)	99.2 (155.50-2.70) 99.3 (155.50-2.70)	Depositor EDS
R_{merge}	0.16	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.25 (at 2.69Å)	Xtriage
Refinement program	PHENIX 1.8.2	Depositor
R, R_{free}	0.207 , 0.252 0.211 , 0.255	Depositor DCC
R_{free} test set	78961 reflections (4.98%)	wwPDB-VP
Wilson B-factor (Å ²)	51.0	Xtriage
Anisotropy	0.239	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.35 , 70.5	EDS
L-test for twinning ²	$\langle L \rangle = 0.46$, $\langle L^2 \rangle = 0.29$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.92	EDS
Total number of atoms	302030	wwPDB-VP
Average B, all atoms (Å ²)	53.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.51% 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: 4OC, UR3, 2MA, PSU, 4SU, K, OMG, M2G, MA6, 9VA, 9VD, MG, MIA, SF4, 5MC, ZN, 2MG, BB9, G7M, 2MU, 5MU, 0TD

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	0.30	0/69009	0.48	3/107712 (0.0%)
1	2A	0.23	0/67293	0.41	1/105034 (0.0%)
2	1B	0.23	0/2882	0.43	0/4494
2	2B	0.20	0/2879	0.39	0/4487
3	1D	0.29	0/2186	0.52	0/2944
3	2D	0.25	0/2186	0.51	1/2944 (0.0%)
4	1E	0.30	0/1592	0.53	0/2149
4	2E	0.23	0/1592	0.46	0/2149
5	1F	0.28	0/1619	0.51	0/2193
5	2F	0.20	0/1615	0.45	0/2188
6	1G	0.21	0/1448	0.45	0/1957
6	2G	0.22	0/1453	0.48	1/1963 (0.1%)
7	1H	0.24	0/1356	0.42	0/1834
7	2H	0.20	0/1356	0.38	0/1834
8	1I	0.20	0/1112	0.44	0/1514
8	2I	0.19	0/1079	0.42	0/1475
9	1N	0.28	0/1144	0.47	0/1543
9	2N	0.20	0/1144	0.40	0/1543
10	1O	0.28	0/943	0.50	0/1269
10	2O	0.23	0/943	0.47	0/1269
11	1P	0.28	0/1152	0.51	0/1533
11	2P	0.22	0/1152	0.44	0/1533
12	1Q	0.28	0/1143	0.47	0/1527
12	2Q	0.20	0/1143	0.43	0/1527
13	1R	0.28	0/982	0.50	0/1312
13	2R	0.21	0/982	0.48	0/1312
14	1S	0.23	0/883	0.49	0/1176
14	2S	0.29	1/880 (0.1%)	0.46	0/1172
15	1T	0.26	0/1105	0.51	0/1477
15	2T	0.20	0/1097	0.41	0/1468
16	1U	0.32	0/977	0.53	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2U	0.22	0/977	0.42	0/1301
17	1V	0.31	0/782	0.51	0/1049
17	2V	0.21	0/782	0.42	0/1049
18	1W	0.30	0/897	0.48	0/1205
18	2W	0.22	0/897	0.41	0/1205
19	1X	0.30	0/764	0.55	2/1025 (0.2%)
19	2X	0.21	0/764	0.42	0/1025
20	1Y	0.25	0/819	0.55	2/1095 (0.2%)
20	2Y	0.21	0/819	0.47	0/1095
21	1Z	0.24	0/1267	0.48	0/1717
21	2Z	0.23	0/1299	0.44	0/1763
22	10	0.29	0/662	0.56	0/881
22	20	0.20	0/662	0.46	0/881
23	11	0.28	0/762	0.47	0/1014
23	21	0.24	0/762	0.47	0/1014
24	12	0.26	0/590	0.48	0/781
24	22	0.19	0/590	0.42	0/781
25	13	0.27	0/474	0.45	0/635
25	23	0.19	0/469	0.41	0/630
26	14	0.28	0/565	0.55	0/761
26	24	0.26	0/545	0.58	0/737
27	15	0.27	0/469	0.57	0/635
27	25	0.21	0/469	0.44	0/635
28	16	0.30	0/460	0.52	0/613
28	26	0.22	0/456	0.45	0/608
29	17	0.30	0/426	0.54	0/561
29	27	0.26	0/426	0.54	0/561
30	18	0.27	0/525	0.49	0/691
30	28	0.22	0/525	0.41	0/691
31	19	0.27	0/310	0.48	0/407
31	29	0.20	0/310	0.44	0/407
32	1a	0.22	0/35795	0.40	0/55864
33	1b	0.22	0/1881	0.49	0/2542
33	2b	0.22	0/1860	0.44	0/2518
34	1c	0.20	0/1572	0.40	0/2126
34	2c	0.21	0/1566	0.42	0/2119
35	1d	0.21	0/1685	0.46	0/2262
35	2d	0.22	0/1704	0.46	0/2284
36	1e	0.22	0/1145	0.44	0/1543
36	2e	0.21	0/1149	0.48	0/1548
37	1f	0.20	0/823	0.38	0/1115
37	2f	0.21	0/829	0.39	0/1123
38	1g	0.19	0/1250	0.38	0/1679

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	2g	0.20	0/1254	0.41	0/1683
39	1h	0.19	0/1108	0.42	0/1494
39	2h	0.19	0/1108	0.42	0/1494
40	1i	0.21	0/1002	0.51	0/1346
40	2i	0.21	0/997	0.47	0/1343
41	1j	0.21	0/722	0.43	0/982
41	2j	0.26	0/727	0.51	0/988
42	1k	0.20	0/844	0.40	0/1145
42	2k	0.20	0/848	0.40	0/1149
43	1l	0.23	0/937	0.42	0/1260
43	2l	0.20	0/937	0.41	0/1260
44	1m	0.21	0/969	0.45	0/1302
44	2m	0.20	0/961	0.43	0/1291
45	1n	0.20	0/501	0.49	1/664 (0.2%)
45	2n	0.26	0/501	0.54	0/664
46	1o	0.19	0/739	0.39	0/985
46	2o	0.17	0/739	0.38	0/985
47	1p	0.20	0/697	0.46	0/939
47	2p	0.20	0/693	0.44	0/935
48	1q	0.22	0/836	0.42	0/1117
48	2q	0.20	0/836	0.41	0/1117
49	1r	0.20	0/560	0.42	0/746
49	2r	0.19	0/560	0.42	0/746
50	1s	0.24	0/667	0.51	0/900
50	2s	0.26	0/661	0.51	0/893
51	1t	0.22	0/730	0.48	0/965
51	2t	0.23	0/729	0.50	0/965
52	1u	0.22	0/203	0.43	0/266
52	2u	0.30	0/203	0.52	0/266
53	1v	0.22	0/310	0.34	0/480
53	2v	0.24	0/310	0.37	0/480
54	1w	0.32	2/1606 (0.1%)	0.45	0/2497
54	2w	0.32	2/1556 (0.1%)	0.43	0/2418
55	1x	0.29	0/1725	0.44	0/2689
55	2x	0.25	0/1725	0.41	0/2689
56	1y	0.35	2/1632 (0.1%)	0.43	0/2540
56	2y	0.36	1/1609 (0.1%)	0.43	0/2502
57	2a	0.21	0/35886	0.38	1/56005 (0.0%)
58	A	2.60	3/74 (4.1%)	2.92	9/97 (9.3%)
58	B	2.79	4/74 (5.4%)	2.65	7/97 (7.2%)
All	All	0.25	15/316886 (0.0%)	0.44	28/474393 (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
26	24	0	1
33	1b	0	1
50	2s	0	1
58	A	1	0
58	B	1	0
All	All	2	3

The worst 5 of 15 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
58	B	12	SER	CA-C	-14.48	1.33	1.52
58	A	12	SER	CA-C	-14.01	1.34	1.52
58	B	12	SER	CA-CB	-11.91	1.33	1.53
58	A	12	SER	CA-CB	-11.47	1.34	1.53
58	A	12	SER	N-CA	-9.92	1.33	1.46

The worst 5 of 28 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
58	A	2	SER	CA-C-N	9.81	129.56	119.56
58	A	2	SER	C-N-CA	9.81	129.56	119.56
58	B	3	PRO	N-CA-C	9.49	126.22	114.92
58	A	11	ASN	CA-C-N	-8.66	105.00	121.54
58	A	11	ASN	C-N-CA	-8.66	105.00	121.54

All (2) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
58	A	12	SER	CA
58	B	12	SER	CA

All (3) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
33	1b	8	LYS	Peptide
26	24	56	VAL	Peptide
50	2s	27	GLU	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	31194	528	0
1	2A	60322	0	30423	627	0
2	1B	2577	0	1305	15	0
2	2B	2575	0	1303	43	0
3	1D	2136	0	2218	41	0
3	2D	2136	0	2218	46	0
4	1E	1559	0	1618	27	0
4	2E	1559	0	1618	33	0
5	1F	1584	0	1625	30	0
5	2F	1580	0	1619	40	0
6	1G	1423	0	1436	27	0
6	2G	1428	0	1438	40	0
7	1H	1330	0	1407	27	0
7	2H	1330	0	1407	42	0
8	1I	1097	0	1140	28	0
8	2I	1064	0	1082	26	0
9	1N	1117	0	1184	20	0
9	2N	1117	0	1184	24	0
10	1O	933	0	996	13	0
10	2O	933	0	996	20	0
11	1P	1135	0	1212	27	0
11	2P	1135	0	1212	31	0
12	1Q	1122	0	1179	19	0
12	2Q	1122	0	1179	23	0
13	1R	968	0	1033	19	0
13	2R	968	0	1032	20	0
14	1S	873	0	927	15	0
14	2S	870	0	923	19	0
15	1T	1091	0	1151	21	0
15	2T	1083	0	1136	26	0
16	1U	959	0	1019	15	0
16	2U	959	0	1019	11	0
17	1V	771	0	830	9	0
17	2V	771	0	830	15	0
18	1W	886	0	940	12	0
18	2W	886	0	940	9	0
19	1X	750	0	814	13	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
19	2X	750	0	814	18	0
20	1Y	806	0	881	14	0
20	2Y	806	0	881	15	0
21	1Z	1240	0	1240	24	0
21	2Z	1271	0	1273	38	0
22	10	653	0	674	8	0
22	20	653	0	674	14	0
23	11	755	0	826	14	0
23	21	755	0	826	16	0
24	12	588	0	643	10	0
24	22	588	0	643	9	0
25	13	469	0	518	9	0
25	23	464	0	514	9	0
26	14	552	0	533	15	0
26	24	532	0	503	16	0
27	15	455	0	465	6	0
27	25	455	0	465	7	0
28	16	453	0	473	7	0
28	26	449	0	469	9	0
29	17	418	0	467	5	0
29	27	418	0	467	12	0
30	18	517	0	582	16	0
30	28	517	0	582	15	0
31	19	307	0	335	1	0
31	29	307	0	335	11	0
32	1a	32246	0	16295	357	0
33	1b	1846	0	1867	59	0
33	2b	1825	0	1828	74	0
34	1c	1548	0	1535	21	0
34	2c	1542	0	1517	44	0
35	1d	1655	0	1672	48	0
35	2d	1674	0	1714	39	0
36	1e	1129	0	1185	23	0
36	2e	1133	0	1191	33	0
37	1f	810	0	804	15	0
37	2f	816	0	808	20	0
38	1g	1231	0	1238	18	0
38	2g	1235	0	1249	23	0
39	1h	1088	0	1126	21	0
39	2h	1088	0	1126	29	0
40	1i	983	0	986	30	0
40	2i	978	0	966	37	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
41	1j	709	0	650	26	0
41	2j	714	0	672	29	0
42	1k	829	0	825	7	0
42	2k	833	0	836	12	0
43	1l	932	0	981	10	0
43	2l	932	0	981	16	0
44	1m	958	0	1002	25	0
44	2m	950	0	988	29	0
45	1n	492	0	529	11	0
45	2n	492	0	529	21	0
46	1o	728	0	760	20	0
46	2o	728	0	760	15	0
47	1p	681	0	697	23	0
47	2p	677	0	686	20	0
48	1q	823	0	891	21	0
48	2q	823	0	891	22	0
49	1r	555	0	618	13	0
49	2r	555	0	618	17	0
50	1s	652	0	662	18	0
50	2s	646	0	644	24	0
51	1t	728	0	798	20	0
51	2t	727	0	796	13	0
52	1u	199	0	208	3	0
52	2u	199	0	208	5	0
53	1v	277	0	140	1	0
53	2v	277	0	140	3	0
54	1w	1592	0	818	33	0
54	2w	1544	0	787	31	0
55	1x	1625	0	829	16	0
55	2x	1625	0	828	22	0
56	1y	1585	0	806	19	0
56	2y	1565	0	797	26	0
57	2a	32327	0	16338	465	0
58	A	115	0	72	4	0
58	B	115	0	72	7	0
59	10	8	0	0	0	0
59	11	3	0	0	0	0
59	12	2	0	0	0	0
59	13	3	0	0	0	0
59	15	2	0	0	0	0
59	16	3	0	0	0	0
59	17	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
59	18	3	0	0	0	0
59	19	1	0	0	0	0
59	1A	1229	0	0	0	0
59	1B	38	0	0	0	0
59	1D	13	0	0	0	0
59	1E	14	0	0	0	0
59	1F	10	0	0	0	0
59	1G	5	0	0	0	0
59	1I	1	0	0	0	0
59	1N	9	0	0	0	0
59	1O	6	0	0	0	0
59	1P	4	0	0	0	0
59	1Q	6	0	0	0	0
59	1R	3	0	0	0	0
59	1S	3	0	0	0	0
59	1T	2	0	0	0	0
59	1U	5	0	0	0	0
59	1V	2	0	0	0	0
59	1W	5	0	0	0	0
59	1X	5	0	0	0	0
59	1Y	3	0	0	0	0
59	1Z	4	0	0	0	0
59	1a	278	0	0	0	0
59	1b	2	0	0	0	0
59	1d	1	0	0	0	0
59	1e	1	0	0	0	0
59	1f	3	0	0	0	0
59	1k	1	0	0	0	0
59	1l	3	0	0	0	0
59	1n	2	0	0	0	0
59	1p	1	0	0	0	0
59	1s	1	0	0	0	0
59	1t	1	0	0	0	0
59	1v	1	0	0	0	0
59	1w	12	0	0	0	0
59	1x	17	0	0	0	0
59	1y	5	0	0	0	0
59	20	3	0	0	0	0
59	23	2	0	0	0	0
59	25	3	0	0	0	0
59	27	1	0	0	0	0
59	28	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
59	2A	848	0	0	0	0
59	2B	22	0	0	0	0
59	2D	5	0	0	0	0
59	2E	7	0	0	0	0
59	2F	4	0	0	0	0
59	2G	1	0	0	0	0
59	2N	1	0	0	0	0
59	2O	2	0	0	0	0
59	2P	1	0	0	0	0
59	2Q	4	0	0	0	0
59	2R	3	0	0	0	0
59	2S	1	0	0	0	0
59	2T	3	0	0	0	0
59	2U	4	0	0	0	0
59	2V	1	0	0	0	0
59	2X	2	0	0	0	0
59	2Z	1	0	0	0	0
59	2a	239	0	0	0	0
59	2d	1	0	0	0	0
59	2e	1	0	0	0	0
59	2f	2	0	0	0	0
59	2g	1	0	0	0	0
59	2j	2	0	0	0	0
59	2k	1	0	0	0	0
59	2l	2	0	0	0	0
59	2p	1	0	0	0	0
59	2q	5	0	0	0	0
59	2r	1	0	0	0	0
59	2t	1	0	0	0	0
59	2v	4	0	0	0	0
59	2w	7	0	0	0	0
59	2x	4	0	0	0	0
59	2y	7	0	0	0	0
59	A	1	0	0	0	0
59	B	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

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
60	25	1	0	0	0	0
60	26	1	0	0	0	0
60	29	1	0	0	0	0
60	2Y	1	0	0	0	0
60	2n	1	0	0	0	0
61	1d	8	0	0	0	0
61	2d	8	0	0	2	0
62	2A	1	0	0	0	0
63	10	12	0	0	1	0
63	11	13	0	0	0	0
63	12	4	0	0	1	0
63	13	5	0	0	1	0
63	14	1	0	0	0	0
63	15	5	0	0	0	0
63	16	5	0	0	1	0
63	17	9	0	0	0	0
63	18	13	0	0	1	0
63	19	1	0	0	0	0
63	1A	2636	0	0	45	0
63	1B	71	0	0	0	0
63	1D	31	0	0	0	0
63	1E	35	0	0	1	0
63	1F	18	0	0	0	0
63	1G	6	0	0	3	0
63	1H	3	0	0	0	0
63	1I	2	0	0	0	0
63	1N	10	0	0	0	0
63	1O	8	0	0	0	0
63	1P	23	0	0	1	0
63	1Q	16	0	0	0	0
63	1R	14	0	0	1	0
63	1S	4	0	0	0	0
63	1T	9	0	0	0	0
63	1U	13	0	0	0	0
63	1V	9	0	0	0	0
63	1W	11	0	0	1	0
63	1X	8	0	0	0	0
63	1Y	7	0	0	1	0
63	1Z	2	0	0	0	0
63	1a	523	0	0	11	0
63	1b	1	0	0	0	0
63	1d	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
63	1e	3	0	0	0	0
63	1g	1	0	0	0	0
63	1k	3	0	0	0	0
63	1l	10	0	0	0	0
63	1m	1	0	0	0	0
63	1o	2	0	0	0	0
63	1p	1	0	0	0	0
63	1q	4	0	0	0	0
63	1r	1	0	0	0	0
63	1t	2	0	0	0	0
63	1v	6	0	0	0	0
63	1w	26	0	0	1	0
63	1x	18	0	0	0	0
63	1y	2	0	0	0	0
63	20	5	0	0	0	0
63	21	14	0	0	0	0
63	22	1	0	0	0	0
63	23	2	0	0	0	0
63	25	4	0	0	0	0
63	27	7	0	0	0	0
63	28	7	0	0	0	0
63	29	1	0	0	0	0
63	2A	1602	0	0	43	0
63	2B	28	0	0	1	0
63	2D	29	0	0	0	0
63	2E	15	0	0	1	0
63	2F	20	0	0	0	0
63	2I	4	0	0	1	0
63	2N	2	0	0	0	0
63	2P	15	0	0	2	0
63	2Q	2	0	0	0	0
63	2R	5	0	0	0	0
63	2T	6	0	0	0	0
63	2U	6	0	0	0	0
63	2V	4	0	0	0	0
63	2W	4	0	0	0	0
63	2X	4	0	0	0	0
63	2Y	1	0	0	0	0
63	2Z	2	0	0	0	0
63	2a	389	0	0	10	0
63	2d	3	0	0	0	0
63	2e	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
63	2f	1	0	0	0	0
63	2g	1	0	0	0	0
63	2h	2	0	0	0	0
63	2i	1	0	0	0	0
63	2j	4	0	0	2	0
63	2l	5	0	0	0	0
63	2o	1	0	0	1	0
63	2p	3	0	0	0	0
63	2q	2	0	0	0	0
63	2r	1	0	0	1	0
63	2t	3	0	0	0	0
63	2u	1	0	0	0	0
63	2v	1	0	0	0	0
63	2w	3	0	0	0	0
63	2x	10	0	0	1	0
63	2y	20	0	0	0	0
63	A	4	0	0	0	0
63	B	2	0	0	0	0
All	All	302030	0	196834	3685	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 3685 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:1128:U:H3	1:1A:1132:A:N6	1.32	1.23
1:2A:2138:C:N4	1:2A:2153:G:H1	1.52	1.06
1:1A:1128:U:O4	1:1A:1132:A:N1	1.87	1.06
1:2A:2129:C:N4	1:2A:2159:G:H1	1.55	1.04
1:2A:2136:C:N4	1:2A:2155:G:H1	1.57	1.02

There are no symmetry-related clashes.

5.3 Torsion angles

5.3.1 Protein backbone

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	1D	273/276 (99%)	261 (96%)	12 (4%)	0	100	100
3	2D	273/276 (99%)	259 (95%)	14 (5%)	0	100	100
4	1E	202/206 (98%)	194 (96%)	7 (4%)	1 (0%)	24	48
4	2E	202/206 (98%)	193 (96%)	8 (4%)	1 (0%)	24	48
5	1F	201/210 (96%)	195 (97%)	5 (2%)	1 (0%)	24	48
5	2F	201/210 (96%)	193 (96%)	7 (4%)	1 (0%)	24	48
6	1G	179/182 (98%)	168 (94%)	8 (4%)	3 (2%)	7	19
6	2G	179/182 (98%)	162 (90%)	13 (7%)	4 (2%)	5	14
7	1H	172/180 (96%)	161 (94%)	10 (6%)	1 (1%)	21	44
7	2H	172/180 (96%)	156 (91%)	13 (8%)	3 (2%)	7	19
8	1I	144/148 (97%)	130 (90%)	13 (9%)	1 (1%)	18	41
8	2I	144/148 (97%)	129 (90%)	13 (9%)	2 (1%)	9	23
9	1N	138/140 (99%)	133 (96%)	5 (4%)	0	100	100
9	2N	138/140 (99%)	132 (96%)	6 (4%)	0	100	100
10	1O	120/122 (98%)	115 (96%)	5 (4%)	0	100	100
10	2O	120/122 (98%)	112 (93%)	6 (5%)	2 (2%)	7	19
11	1P	147/150 (98%)	134 (91%)	12 (8%)	1 (1%)	18	41
11	2P	147/150 (98%)	137 (93%)	9 (6%)	1 (1%)	18	41
12	1Q	139/141 (99%)	130 (94%)	9 (6%)	0	100	100
12	2Q	139/141 (99%)	130 (94%)	6 (4%)	3 (2%)	5	14
13	1R	116/118 (98%)	109 (94%)	7 (6%)	0	100	100
13	2R	116/118 (98%)	108 (93%)	8 (7%)	0	100	100
14	1S	108/112 (96%)	102 (94%)	6 (6%)	0	100	100
14	2S	108/112 (96%)	102 (94%)	5 (5%)	1 (1%)	14	35
15	1T	129/146 (88%)	123 (95%)	5 (4%)	1 (1%)	16	37
15	2T	129/146 (88%)	124 (96%)	5 (4%)	0	100	100
16	1U	114/118 (97%)	114 (100%)	0	0	100	100
16	2U	114/118 (97%)	111 (97%)	3 (3%)	0	100	100
17	1V	99/101 (98%)	96 (97%)	2 (2%)	1 (1%)	12	32
17	2V	99/101 (98%)	92 (93%)	6 (6%)	1 (1%)	12	32

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
18	1W	110/113 (97%)	109 (99%)	1 (1%)	0	100	100
18	2W	110/113 (97%)	110 (100%)	0	0	100	100
19	1X	93/96 (97%)	91 (98%)	1 (1%)	1 (1%)	11	29
19	2X	93/96 (97%)	89 (96%)	4 (4%)	0	100	100
20	1Y	105/110 (96%)	97 (92%)	7 (7%)	1 (1%)	12	32
20	2Y	105/110 (96%)	100 (95%)	4 (4%)	1 (1%)	12	32
21	1Z	148/206 (72%)	134 (90%)	12 (8%)	2 (1%)	9	23
21	2Z	156/206 (76%)	138 (88%)	15 (10%)	3 (2%)	6	17
22	10	81/85 (95%)	79 (98%)	2 (2%)	0	100	100
22	20	81/85 (95%)	76 (94%)	5 (6%)	0	100	100
23	11	95/98 (97%)	92 (97%)	2 (2%)	1 (1%)	11	29
23	21	95/98 (97%)	94 (99%)	1 (1%)	0	100	100
24	12	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
24	22	68/72 (94%)	66 (97%)	2 (3%)	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%)	53 (79%)	9 (13%)	5 (8%)	1	1
26	24	67/71 (94%)	53 (79%)	13 (19%)	1 (2%)	8	22
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%)	49 (96%)	2 (4%)	0	100	100
28	26	51/54 (94%)	50 (98%)	1 (2%)	0	100	100
29	17	46/49 (94%)	46 (100%)	0	0	100	100
29	27	46/49 (94%)	45 (98%)	1 (2%)	0	100	100
30	18	62/65 (95%)	62 (100%)	0	0	100	100
30	28	62/65 (95%)	59 (95%)	3 (5%)	0	100	100
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	34 (97%)	1 (3%)	0	100	100
33	1b	229/256 (90%)	194 (85%)	26 (11%)	9 (4%)	2	5
33	2b	229/256 (90%)	201 (88%)	21 (9%)	7 (3%)	3	8
34	1c	204/239 (85%)	188 (92%)	13 (6%)	3 (2%)	8	22

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
34	2c	204/239 (85%)	178 (87%)	24 (12%)	2 (1%)	12	32
35	1d	206/209 (99%)	193 (94%)	11 (5%)	2 (1%)	12	32
35	2d	206/209 (99%)	189 (92%)	14 (7%)	3 (2%)	8	22
36	1e	146/162 (90%)	135 (92%)	8 (6%)	3 (2%)	5	15
36	2e	146/162 (90%)	134 (92%)	10 (7%)	2 (1%)	9	23
37	1f	98/101 (97%)	94 (96%)	3 (3%)	1 (1%)	12	32
37	2f	98/101 (97%)	94 (96%)	3 (3%)	1 (1%)	12	32
38	1g	153/156 (98%)	142 (93%)	10 (6%)	1 (1%)	18	41
38	2g	153/156 (98%)	140 (92%)	9 (6%)	4 (3%)	4	11
39	1h	135/138 (98%)	130 (96%)	5 (4%)	0	100	100
39	2h	135/138 (98%)	118 (87%)	17 (13%)	0	100	100
40	1i	125/128 (98%)	109 (87%)	14 (11%)	2 (2%)	7	20
40	2i	125/128 (98%)	110 (88%)	15 (12%)	0	100	100
41	1j	95/105 (90%)	84 (88%)	6 (6%)	5 (5%)	1	3
41	2j	94/105 (90%)	79 (84%)	10 (11%)	5 (5%)	1	3
42	1k	112/129 (87%)	105 (94%)	6 (5%)	1 (1%)	14	35
42	2k	112/129 (87%)	105 (94%)	5 (4%)	2 (2%)	6	18
43	1l	119/132 (90%)	114 (96%)	5 (4%)	0	100	100
43	2l	119/132 (90%)	110 (92%)	9 (8%)	0	100	100
44	1m	121/126 (96%)	111 (92%)	9 (7%)	1 (1%)	16	37
44	2m	120/126 (95%)	108 (90%)	12 (10%)	0	100	100
45	1n	58/61 (95%)	56 (97%)	2 (3%)	0	100	100
45	2n	58/61 (95%)	51 (88%)	5 (9%)	2 (3%)	3	7
46	1o	86/89 (97%)	83 (96%)	2 (2%)	1 (1%)	10	27
46	2o	86/89 (97%)	83 (96%)	3 (4%)	0	100	100
47	1p	80/88 (91%)	72 (90%)	7 (9%)	1 (1%)	9	25
47	2p	80/88 (91%)	70 (88%)	9 (11%)	1 (1%)	9	25
48	1q	97/105 (92%)	91 (94%)	6 (6%)	0	100	100
48	2q	97/105 (92%)	90 (93%)	7 (7%)	0	100	100
49	1r	66/88 (75%)	63 (96%)	3 (4%)	0	100	100
49	2r	66/88 (75%)	63 (96%)	2 (3%)	1 (2%)	8	22

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
50	1s	81/93 (87%)	72 (89%)	8 (10%)	1 (1%)	10	27
50	2s	81/93 (87%)	68 (84%)	10 (12%)	3 (4%)	2	6
51	1t	94/106 (89%)	85 (90%)	5 (5%)	4 (4%)	2	4
51	2t	94/106 (89%)	85 (90%)	4 (4%)	5 (5%)	1	3
52	1u	21/27 (78%)	19 (90%)	2 (10%)	0	100	100
52	2u	21/27 (78%)	15 (71%)	6 (29%)	0	100	100
58	A	12/18 (67%)	5 (42%)	5 (42%)	2 (17%)	0	0
58	B	12/18 (67%)	6 (50%)	4 (33%)	2 (17%)	0	0
All	All	11394/12164 (94%)	10597 (93%)	676 (6%)	121 (1%)	11	29

5 of 121 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
6	1G	47	LYS
7	1H	126	PRO
8	1I	10	GLU
20	1Y	55	TYR
23	11	3	LYS

5.3.2 Protein sidechains ⓘ

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	1D	215/218 (99%)	199 (93%)	16 (7%)	13	32
3	2D	215/218 (99%)	202 (94%)	13 (6%)	17	41
4	1E	164/166 (99%)	147 (90%)	17 (10%)	7	17
4	2E	164/166 (99%)	147 (90%)	17 (10%)	7	17
5	1F	160/166 (96%)	147 (92%)	13 (8%)	11	27
5	2F	159/166 (96%)	145 (91%)	14 (9%)	9	23
6	1G	143/156 (92%)	133 (93%)	10 (7%)	14	34
6	2G	143/156 (92%)	137 (96%)	6 (4%)	26	55

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
7	1H	144/148 (97%)	134 (93%)	10 (7%)	14	34
7	2H	144/148 (97%)	137 (95%)	7 (5%)	22	49
8	1I	113/124 (91%)	102 (90%)	11 (10%)	8	20
8	2I	105/124 (85%)	94 (90%)	11 (10%)	6	17
9	1N	118/119 (99%)	109 (92%)	9 (8%)	12	30
9	2N	118/119 (99%)	111 (94%)	7 (6%)	18	42
10	1O	100/100 (100%)	95 (95%)	5 (5%)	22	48
10	2O	100/100 (100%)	94 (94%)	6 (6%)	17	41
11	1P	115/116 (99%)	105 (91%)	10 (9%)	9	24
11	2P	115/116 (99%)	111 (96%)	4 (4%)	32	61
12	1Q	111/111 (100%)	104 (94%)	7 (6%)	16	39
12	2Q	111/111 (100%)	103 (93%)	8 (7%)	13	32
13	1R	101/101 (100%)	88 (87%)	13 (13%)	4	10
13	2R	101/101 (100%)	90 (89%)	11 (11%)	6	16
14	1S	86/88 (98%)	79 (92%)	7 (8%)	11	27
14	2S	85/88 (97%)	75 (88%)	10 (12%)	5	13
15	1T	115/127 (91%)	110 (96%)	5 (4%)	26	54
15	2T	113/127 (89%)	110 (97%)	3 (3%)	39	69
16	1U	93/94 (99%)	86 (92%)	7 (8%)	12	31
16	2U	93/94 (99%)	91 (98%)	2 (2%)	45	74
17	1V	80/82 (98%)	70 (88%)	10 (12%)	4	11
17	2V	80/82 (98%)	72 (90%)	8 (10%)	7	19
18	1W	90/92 (98%)	83 (92%)	7 (8%)	11	29
18	2W	90/92 (98%)	84 (93%)	6 (7%)	15	36
19	1X	77/78 (99%)	74 (96%)	3 (4%)	28	57
19	2X	77/78 (99%)	76 (99%)	1 (1%)	61	83
20	1Y	85/91 (93%)	77 (91%)	8 (9%)	8	21
20	2Y	85/91 (93%)	79 (93%)	6 (7%)	13	33
21	1Z	135/179 (75%)	121 (90%)	14 (10%)	7	17
21	2Z	137/179 (76%)	122 (89%)	15 (11%)	6	16
22	10	65/67 (97%)	63 (97%)	2 (3%)	35	65

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
22	20	65/67 (97%)	59 (91%)	6 (9%)	8	22
23	11	80/83 (96%)	78 (98%)	2 (2%)	42	71
23	21	80/83 (96%)	78 (98%)	2 (2%)	42	71
24	12	65/67 (97%)	64 (98%)	1 (2%)	57	81
24	22	65/67 (97%)	63 (97%)	2 (3%)	35	65
25	13	51/52 (98%)	49 (96%)	2 (4%)	28	57
25	23	50/52 (96%)	46 (92%)	4 (8%)	11	28
26	14	59/63 (94%)	55 (93%)	4 (7%)	14	35
26	24	53/63 (84%)	50 (94%)	3 (6%)	18	43
27	15	50/52 (96%)	46 (92%)	4 (8%)	11	28
27	25	50/52 (96%)	46 (92%)	4 (8%)	11	28
28	16	51/52 (98%)	43 (84%)	8 (16%)	2	7
28	26	50/52 (96%)	45 (90%)	5 (10%)	7	19
29	17	41/42 (98%)	37 (90%)	4 (10%)	7	19
29	27	41/42 (98%)	38 (93%)	3 (7%)	13	32
30	18	54/55 (98%)	49 (91%)	5 (9%)	8	21
30	28	54/55 (98%)	51 (94%)	3 (6%)	19	44
31	19	34/34 (100%)	34 (100%)	0	100	100
31	29	34/34 (100%)	32 (94%)	2 (6%)	18	42
33	1b	192/220 (87%)	183 (95%)	9 (5%)	23	51
33	2b	187/220 (85%)	172 (92%)	15 (8%)	11	28
34	1c	142/188 (76%)	134 (94%)	8 (6%)	19	44
34	2c	140/188 (74%)	136 (97%)	4 (3%)	37	67
35	1d	169/181 (93%)	157 (93%)	12 (7%)	13	33
35	2d	173/181 (96%)	162 (94%)	11 (6%)	16	38
36	1e	113/123 (92%)	107 (95%)	6 (5%)	20	46
36	2e	114/123 (93%)	107 (94%)	7 (6%)	17	40
37	1f	84/90 (93%)	82 (98%)	2 (2%)	43	72
37	2f	85/90 (94%)	79 (93%)	6 (7%)	13	33
38	1g	119/127 (94%)	113 (95%)	6 (5%)	22	48
38	2g	120/127 (94%)	115 (96%)	5 (4%)	26	55

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
39	1h	114/119 (96%)	107 (94%)	7 (6%)	17	40
39	2h	114/119 (96%)	109 (96%)	5 (4%)	25	53
40	1i	90/99 (91%)	85 (94%)	5 (6%)	19	44
40	2i	89/99 (90%)	80 (90%)	9 (10%)	7	18
41	1j	66/92 (72%)	63 (96%)	3 (4%)	24	52
41	2j	69/92 (75%)	67 (97%)	2 (3%)	37	67
42	1k	82/99 (83%)	77 (94%)	5 (6%)	17	40
42	2k	83/99 (84%)	78 (94%)	5 (6%)	17	41
43	1l	96/108 (89%)	92 (96%)	4 (4%)	26	55
43	2l	96/108 (89%)	92 (96%)	4 (4%)	26	55
44	1m	93/101 (92%)	83 (89%)	10 (11%)	6	16
44	2m	92/101 (91%)	85 (92%)	7 (8%)	12	30
45	1n	49/50 (98%)	43 (88%)	6 (12%)	5	12
45	2n	49/50 (98%)	45 (92%)	4 (8%)	10	27
46	1o	78/80 (98%)	75 (96%)	3 (4%)	29	58
46	2o	78/80 (98%)	74 (95%)	4 (5%)	21	48
47	1p	69/74 (93%)	64 (93%)	5 (7%)	13	32
47	2p	68/74 (92%)	60 (88%)	8 (12%)	5	13
48	1q	94/97 (97%)	90 (96%)	4 (4%)	26	54
48	2q	94/97 (97%)	88 (94%)	6 (6%)	16	38
49	1r	59/77 (77%)	56 (95%)	3 (5%)	21	48
49	2r	59/77 (77%)	57 (97%)	2 (3%)	32	62
50	1s	69/80 (86%)	65 (94%)	4 (6%)	18	42
50	2s	67/80 (84%)	66 (98%)	1 (2%)	57	81
51	1t	70/82 (85%)	67 (96%)	3 (4%)	26	54
51	2t	70/82 (85%)	69 (99%)	1 (1%)	59	82
52	1u	18/22 (82%)	17 (94%)	1 (6%)	19	44
52	2u	18/22 (82%)	17 (94%)	1 (6%)	19	44
58	A	9/9 (100%)	7 (78%)	2 (22%)	1	3
58	B	9/9 (100%)	7 (78%)	2 (22%)	1	3
All	All	9321/10082 (92%)	8701 (93%)	620 (7%)	15	36

5 of 620 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
21	2Z	42	VAL
42	2k	14	VAL
22	20	14	ARG
21	2Z	33	LEU
33	2b	189	ASP

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 110 such sidechains are listed below:

Mol	Chain	Res	Type
5	2F	75	HIS
21	2Z	73	GLN
58	B	5	ASN
40	2i	124	GLN
6	2G	66	GLN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	410 (14%)	38 (1%)
1	2A	2791/2915 (95%)	459 (16%)	25 (0%)
2	1B	120/121 (99%)	10 (8%)	1 (0%)
2	2B	118/121 (97%)	27 (22%)	0
32	1a	1497/1521 (98%)	228 (15%)	0
53	1v	12/24 (50%)	2 (16%)	0
53	2v	12/24 (50%)	1 (8%)	0
54	1w	72/76 (94%)	23 (31%)	0
54	2w	69/76 (90%)	22 (31%)	0
55	1x	75/77 (97%)	10 (13%)	0
55	2x	75/77 (97%)	14 (18%)	0
56	1y	72/76 (94%)	19 (26%)	0
56	2y	70/76 (92%)	18 (25%)	0
57	2a	1501/1521 (98%)	261 (17%)	0
All	All	9348/9620 (97%)	1504 (16%)	64 (0%)

5 of 1504 RNA backbone outliers are listed below:

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

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Mol	Chain	Res	Type
1	1A	54	G
1	1A	70	A

5 of 64 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	2A	1608	A
1	2A	1913	A
1	1A	1554	A
1	1A	1425	A
1	2A	1992	G

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
54	G7M	2w	46	54	23,26,27	2.38	4 (17%)	34,39,42	2.99	11 (32%)
57	5MC	2a	1407	57	19,22,23	1.50	3 (15%)	26,32,35	1.22	3 (11%)
54	PSU	2w	55	54	18,21,22	1.40	2 (11%)	21,30,33	2.05	3 (14%)
54	PSU	1w	39	54	18,21,22	1.36	2 (11%)	21,30,33	1.92	3 (14%)
1	5MU	2A	1939	59,1	19,22,23	1.43	5 (26%)	27,32,35	2.38	6 (22%)
56	PSU	1y	39	56	18,21,22	1.34	2 (11%)	21,30,33	2.00	4 (19%)
1	PSU	2A	1917	1	18,21,22	1.38	2 (11%)	21,30,33	2.04	3 (14%)
54	MIA	2w	37	54	24,27,32	2.15	5 (20%)	32,39,47	2.44	10 (31%)
55	4SU	2x	8	55,59	18,21,22	2.08	4 (22%)	25,30,33	1.47	6 (24%)
57	4OC	2a	1402	57	20,23,24	0.77	0	25,32,35	1.06	2 (8%)
56	4SU	2y	8	56,59	18,21,22	1.75	4 (22%)	25,30,33	2.11	4 (16%)
32	UR3	1a	1498	32	19,22,23	1.07	1 (5%)	26,32,35	1.79	4 (15%)
43	0TD	1l	92	43	8,9,10	4.50	1 (12%)	6,11,13	2.36	2 (33%)
56	G7M	1y	46	56	23,26,27	2.40	5 (21%)	34,39,42	3.04	10 (29%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
56	PSU	2y	39	56	18,21,22	1.29	2 (11%)	21,30,33	2.00	3 (14%)
1	5MU	2A	1915	1	19,22,23	1.45	6 (31%)	27,32,35	2.20	5 (18%)
56	5MU	1y	54	56	19,22,23	1.49	5 (26%)	27,32,35	1.81	5 (18%)
43	0TD	2l	92	43	8,9,10	4.58	1 (12%)	6,11,13	3.35	3 (50%)
57	5MC	2a	1404	57	19,22,23	1.70	3 (15%)	26,32,35	1.22	3 (11%)
1	PSU	1A	1939	1	18,21,22	1.35	2 (11%)	21,30,33	2.07	3 (14%)
1	5MC	2A	1942	1	19,22,23	1.64	3 (15%)	26,32,35	1.16	2 (7%)
32	5MC	1a	1407	32	19,22,23	1.48	3 (15%)	26,32,35	1.13	2 (7%)
54	4SU	2w	8	54	18,21,22	1.68	4 (22%)	25,30,33	2.49	5 (20%)
54	G7M	1w	46	54	23,26,27	2.46	5 (21%)	34,39,42	2.87	10 (29%)
56	PSU	2y	55	56	18,21,22	1.36	2 (11%)	21,30,33	2.04	3 (14%)
1	2MA	1A	2515	59,1	22,25,26	1.40	4 (18%)	32,37,40	2.23	9 (28%)
1	OMG	2A	2251	55,59,1	23,26,27	1.24	3 (13%)	32,38,41	2.03	6 (18%)
56	4SU	1y	8	56	18,21,22	1.75	5 (27%)	25,30,33	1.99	5 (20%)
55	5MC	2x	32	55	19,22,23	1.64	2 (10%)	26,32,35	1.19	3 (11%)
58	BB9	B	6	58	2,5,6	4.08	1 (50%)	1,5,7	2.75	1 (100%)
57	PSU	2a	516	57	18,21,22	1.31	2 (11%)	21,30,33	2.05	4 (19%)
57	5MC	2a	967	57	19,22,23	1.74	3 (15%)	26,32,35	1.09	2 (7%)
32	5MC	1a	1404	32	19,22,23	1.73	3 (15%)	26,32,35	1.20	4 (15%)
1	2MA	2A	2503	59,1	22,25,26	1.47	5 (22%)	32,37,40	2.28	9 (28%)
1	2MU	1A	2564	59,1	19,22,24	1.22	2 (10%)	25,31,36	2.05	6 (24%)
56	5MU	2y	54	56	19,22,23	1.52	5 (26%)	27,32,35	2.02	9 (33%)
57	MA6	2a	1519	57	23,26,27	1.59	4 (17%)	33,38,41	2.31	12 (36%)
32	MA6	1a	1518	32	23,26,27	1.56	5 (21%)	33,38,41	2.19	12 (36%)
56	PSU	1y	32	56	18,21,22	1.40	2 (11%)	21,30,33	1.96	3 (14%)
1	PSU	2A	2605	1	18,21,22	1.35	2 (11%)	21,30,33	2.10	5 (23%)
57	5MC	2a	1400	57	19,22,23	1.71	3 (15%)	26,32,35	1.25	3 (11%)
32	G7M	1a	527	32,59	23,26,27	2.45	5 (21%)	34,39,42	2.89	10 (29%)
55	5MC	1x	32	55	19,22,23	1.63	3 (15%)	26,32,35	1.22	2 (7%)
57	UR3	2a	1498	57	19,22,23	1.02	1 (5%)	26,32,35	1.79	3 (11%)
32	M2G	1a	966	32	24,27,28	1.30	4 (16%)	33,40,43	1.82	6 (18%)
32	MA6	1a	1519	32	23,26,27	1.52	4 (17%)	33,38,41	2.36	14 (42%)
55	PSU	1x	55	55,59	18,21,22	1.31	2 (11%)	21,30,33	2.04	4 (19%)
1	5MU	1A	1961	1	19,22,23	1.41	5 (26%)	27,32,35	2.38	6 (22%)
54	PSU	1w	32	54,59	18,21,22	1.35	2 (11%)	21,30,33	1.93	3 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	5MC	1a	967	32	19,22,23	1.58	2 (10%)	26,32,35	1.05	2 (7%)
1	2MU	2A	2552	59,1	19,22,24	1.29	2 (10%)	25,31,36	2.02	6 (24%)
55	4SU	1x	8	55	18,21,22	2.12	5 (27%)	25,30,33	1.66	6 (24%)
1	OMG	1A	2263	55,59,1	23,26,27	1.21	3 (13%)	32,38,41	1.99	6 (18%)
54	MIA	1w	37	54	28,31,32	2.36	6 (21%)	38,44,47	2.69	11 (28%)
54	5MU	2w	54	54	19,22,23	1.38	5 (26%)	27,32,35	1.72	6 (22%)
54	PSU	2w	39	54	18,21,22	1.40	2 (11%)	21,30,33	1.76	3 (14%)
56	PSU	1y	55	56	18,21,22	1.41	2 (11%)	21,30,33	2.07	3 (14%)
57	MA6	2a	1518	57	23,26,27	1.60	4 (17%)	33,38,41	2.29	12 (36%)
54	4SU	1w	8	54	18,21,22	1.76	5 (27%)	25,30,33	1.89	4 (16%)
32	4OC	1a	1402	32	20,23,24	0.75	0	25,32,35	1.06	1 (4%)
57	M2G	2a	966	57	24,27,28	1.31	4 (16%)	33,40,43	1.92	6 (18%)
1	5MC	1A	1984	59,1	19,22,23	1.61	3 (15%)	26,32,35	1.10	2 (7%)
54	5MU	1w	54	54	19,22,23	1.36	5 (26%)	27,32,35	2.11	7 (25%)
55	PSU	2x	55	55	18,21,22	1.35	2 (11%)	21,30,33	2.02	4 (19%)
56	G7M	2y	46	56	23,26,27	2.43	5 (21%)	34,39,42	3.07	10 (29%)
1	5MU	1A	1937	1	19,22,23	1.39	4 (21%)	27,32,35	2.28	6 (22%)
1	PSU	1A	2617	59,1	18,21,22	1.39	3 (16%)	21,30,33	2.12	4 (19%)
32	2MG	1a	1207	32	23,26,27	1.22	3 (13%)	33,38,41	2.28	9 (27%)
57	G7M	2a	527	57,59	23,26,27	2.36	5 (21%)	34,39,42	3.02	10 (29%)
1	5MC	1A	1964	59,1	19,22,23	1.46	3 (15%)	26,32,35	1.12	2 (7%)
58	BB9	A	17	58	2,5,6	4.59	1 (50%)	1,5,7	4.29	1 (100%)
55	5MU	1x	54	55,59	19,22,23	1.44	6 (31%)	27,32,35	2.00	7 (25%)
56	PSU	2y	32	56	18,21,22	1.37	2 (11%)	21,30,33	1.92	4 (19%)
54	PSU	2w	32	54	18,21,22	1.32	2 (11%)	21,30,33	1.95	4 (19%)
1	4OC	2A	1920	1	19,22,24	0.76	0	25,31,35	0.88	1 (4%)
1	PSU	1A	1933	1	18,21,22	1.43	2 (11%)	21,30,33	2.06	3 (14%)
1	5MC	2A	1962	59,1	19,22,23	1.70	3 (15%)	26,32,35	1.18	3 (11%)
58	BB9	A	6	58	2,5,6	4.24	1 (50%)	1,5,7	2.55	1 (100%)
58	BB9	A	9	58	2,5,6	4.61	1 (50%)	1,5,7	2.56	1 (100%)
57	2MG	2a	1207	57	23,26,27	1.25	3 (13%)	33,38,41	2.16	7 (21%)
58	BB9	B	9	58	2,5,6	4.94	1 (50%)	1,5,7	2.89	1 (100%)
32	PSU	1a	516	32,59	18,21,22	1.35	3 (16%)	21,30,33	1.97	5 (23%)
54	PSU	1w	55	54	18,21,22	1.43	2 (11%)	21,30,33	2.01	4 (19%)
55	5MU	2x	54	55	19,22,23	1.42	5 (26%)	27,32,35	2.18	6 (22%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	PSU	2A	1911	1	18,21,22	1.38	2 (11%)	21,30,33	1.98	4 (19%)
1	4OC	1A	1942	1	19,22,24	0.78	0	25,31,35	0.95	1 (4%)
32	5MC	1a	1400	32	19,22,23	1.61	3 (15%)	26,32,35	1.15	3 (11%)
58	BB9	B	17	58	2,5,6	4.30	1 (50%)	1,5,7	4.14	1 (100%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	G7M	2w	46	54	-	3/7/25/26	0/3/3/3
57	5MC	2a	1407	57	-	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
1	5MU	2A	1939	59,1	-	0/7/25/26	0/2/2/2
56	PSU	1y	39	56	-	0/7/25/26	0/2/2/2
1	PSU	2A	1917	1	-	1/7/25/26	0/2/2/2
54	MIA	2w	37	54	-	2/11/29/34	0/3/3/3
55	4SU	2x	8	55,59	-	1/7/25/26	0/2/2/2
57	4OC	2a	1402	57	-	2/9/29/30	0/2/2/2
56	4SU	2y	8	56,59	-	2/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
43	0TD	1l	92	43	-	2/7/12/14	-
56	G7M	1y	46	56	-	1/7/25/26	0/3/3/3
56	PSU	2y	39	56	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	0/7/25/26	0/2/2/2
56	5MU	1y	54	56	-	2/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	1/7/12/14	-
57	5MC	2a	1404	57	-	0/7/25/26	0/2/2/2
1	PSU	1A	1939	1	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
54	4SU	2w	8	54	-	0/7/25/26	0/2/2/2
54	G7M	1w	46	54	-	3/7/25/26	0/3/3/3
56	PSU	2y	55	56	-	0/7/25/26	0/2/2/2
1	2MA	1A	2515	59,1	-	1/7/25/26	0/3/3/3
1	OMG	2A	2251	55,59,1	-	0/9/27/28	0/3/3/3
56	4SU	1y	8	56	-	2/7/25/26	0/2/2/2
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
58	BB9	B	6	58	-	0/0/4/6	-
57	PSU	2a	516	57	-	0/7/25/26	0/2/2/2
57	5MC	2a	967	57	-	0/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	59,1	-	1/7/25/26	0/3/3/3
1	2MU	1A	2564	59,1	-	0/9/27/28	0/2/2/2
56	5MU	2y	54	56	-	3/7/25/26	0/2/2/2
57	MA6	2a	1519	57	-	6/11/29/30	0/3/3/3
32	MA6	1a	1518	32	-	1/11/29/30	0/3/3/3
56	PSU	1y	32	56	-	0/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
57	5MC	2a	1400	57	-	4/7/25/26	0/2/2/2
32	G7M	1a	527	32,59	-	3/7/25/26	0/3/3/3
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
57	UR3	2a	1498	57	-	0/7/25/26	0/2/2/2
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
32	MA6	1a	1519	32	-	4/11/29/30	0/3/3/3
55	PSU	1x	55	55,59	-	0/7/25/26	0/2/2/2
1	5MU	1A	1961	1	-	0/7/25/26	0/2/2/2
54	PSU	1w	32	54,59	-	0/7/25/26	0/2/2/2
32	5MC	1a	967	32	-	0/7/25/26	0/2/2/2
1	2MU	2A	2552	59,1	-	0/9/27/28	0/2/2/2
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
1	OMG	1A	2263	55,59,1	-	0/9/27/28	0/3/3/3
54	MIA	1w	37	54	-	2/15/33/34	0/3/3/3
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
56	PSU	1y	55	56	-	1/7/25/26	0/2/2/2
57	MA6	2a	1518	57	-	2/11/29/30	0/3/3/3
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	2/9/29/30	0/2/2/2
57	M2G	2a	966	57	-	0/11/29/30	0/3/3/3
1	5MC	1A	1984	59,1	-	0/7/25/26	0/2/2/2
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
56	G7M	2y	46	56	-	1/7/25/26	0/3/3/3
1	5MU	1A	1937	1	-	0/7/25/26	0/2/2/2
1	PSU	1A	2617	59,1	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	0/9/27/28	0/3/3/3
57	G7M	2a	527	57,59	-	3/7/25/26	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	5MC	1A	1964	59,1	-	0/7/25/26	0/2/2/2
58	BB9	A	17	58	-	0/0/4/6	-
55	5MU	1x	54	55,59	-	0/7/25/26	0/2/2/2
56	PSU	2y	32	56	-	0/7/25/26	0/2/2/2
54	PSU	2w	32	54	-	0/7/25/26	0/2/2/2
1	4OC	2A	1920	1	-	0/9/27/30	0/2/2/2
1	PSU	1A	1933	1	-	0/7/25/26	0/2/2/2
1	5MC	2A	1962	59,1	-	0/7/25/26	0/2/2/2
58	BB9	A	6	58	-	0/0/4/6	-
58	BB9	A	9	58	-	0/0/4/6	-
57	2MG	2a	1207	57	-	2/9/27/28	0/3/3/3
58	BB9	B	9	58	-	0/0/4/6	-
32	PSU	1a	516	32,59	-	0/7/25/26	0/2/2/2
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
1	4OC	1A	1942	1	-	1/9/27/30	0/2/2/2
32	5MC	1a	1400	32	-	0/7/25/26	0/2/2/2
58	BB9	B	17	58	-	0/0/4/6	-

The worst 5 of 264 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-12.66	1.69	1.82
43	1l	92	0TD	CB-SB	-12.29	1.69	1.82
54	2w	46	G7M	C8-N7	8.11	1.46	1.33
32	1a	527	G7M	C8-N7	7.91	1.46	1.33
57	2a	527	G7M	C8-N7	7.78	1.46	1.33

The worst 5 of 433 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
54	1w	37	MIA	C12-C13-C14	-9.00	110.85	127.01
57	2a	527	G7M	CN7-N7-C8	-8.27	112.27	124.79
54	1w	37	MIA	C5-C4-N3	-8.12	118.62	127.18
54	2w	46	G7M	CN7-N7-C8	-8.11	112.50	124.79
54	2w	37	MIA	C5-C4-N3	-8.11	118.64	127.18

There are no chirality outliers.

5 of 59 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
43	1l	92	0TD	CA-CB-SB-CSB
43	1l	92	0TD	CG-CB-SB-CSB
54	1w	37	MIA	C12-C13-C14-C15
54	1w	37	MIA	C12-C13-C14-C16
56	1y	8	4SU	O4'-C4'-C5'-O5'

There are no ring outliers.

29 monomers are involved in 41 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
54	2w	46	G7M	1	0
54	1w	39	PSU	1	0
56	1y	39	PSU	1	0
54	2w	37	MIA	1	0
55	2x	8	4SU	1	0
57	2a	1402	4OC	3	0
43	2l	92	0TD	1	0
54	2w	8	4SU	4	0
54	1w	46	G7M	1	0
1	2A	2251	OMG	1	0
56	1y	8	4SU	1	0
57	2a	516	PSU	1	0
57	2a	967	5MC	2	0
1	2A	2503	2MA	1	0
57	2a	1519	MA6	2	0
32	1a	1518	MA6	2	0
57	2a	1400	5MC	1	0
32	1a	1519	MA6	2	0
1	1A	1961	5MU	1	0
1	2A	2552	2MU	1	0
55	1x	8	4SU	2	0
54	1w	37	MIA	1	0
54	2w	39	PSU	1	0
57	2a	1518	MA6	3	0
32	1a	1402	4OC	3	0
55	2x	55	PSU	1	0
56	2y	46	G7M	2	0
57	2a	1207	2MG	2	0
1	1A	1942	4OC	1	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2940 ligands modelled in this entry, 2938 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	501	35	0,12,12	-	-	-		
61	SF4	2d	501	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	501	35	-	-	0/6/5/5
61	SF4	2d	501	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	2d	501	SF4	2	0

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2			OWAB(Å ²)	Q<0.9
1	1A	2860/2915 (98%)	-0.61	121 (4%)	40	37	13, 29, 85, 99	0
1	2A	2789/2915 (95%)	-0.03	124 (4%)	39	35	25, 51, 87, 102	0
2	1B	120/121 (99%)	-0.51	0	100	100	23, 41, 55, 80	0
2	2B	120/121 (99%)	0.91	2 (1%)	69	67	55, 72, 80, 89	0
3	1D	275/276 (99%)	-0.24	3 (1%)	78	76	14, 29, 45, 72	0
3	2D	275/276 (99%)	0.18	6 (2%)	62	59	25, 43, 57, 71	0
4	1E	204/206 (99%)	-0.27	0	100	100	14, 32, 53, 71	0
4	2E	204/206 (99%)	0.37	6 (2%)	53	50	28, 53, 65, 73	0
5	1F	203/210 (96%)	-0.19	2 (0%)	79	78	15, 35, 60, 77	0
5	2F	203/210 (96%)	0.43	4 (1%)	65	62	30, 61, 75, 83	0
6	1G	181/182 (99%)	0.35	6 (3%)	49	45	33, 50, 66, 81	0
6	2G	181/182 (99%)	1.49	39 (21%)	2	2	62, 73, 81, 89	0
7	1H	174/180 (96%)	0.14	3 (1%)	69	67	31, 45, 59, 63	0
7	2H	174/180 (96%)	1.52	39 (22%)	2	2	65, 78, 84, 88	0
8	1I	146/148 (98%)	0.74	3 (2%)	63	61	37, 66, 76, 80	0
8	2I	146/148 (98%)	0.85	8 (5%)	30	27	48, 65, 75, 81	0
9	1N	140/140 (100%)	-0.21	1 (0%)	84	83	18, 31, 53, 63	0
9	2N	140/140 (100%)	0.67	3 (2%)	63	61	40, 57, 71, 79	0
10	1O	122/122 (100%)	-0.23	0	100	100	21, 32, 48, 54	0
10	2O	122/122 (100%)	0.36	1 (0%)	82	81	41, 53, 63, 68	0
11	1P	149/150 (99%)	-0.06	1 (0%)	84	83	14, 37, 63, 72	0
11	2P	149/150 (99%)	0.49	3 (2%)	65	62	29, 61, 75, 82	0
12	1Q	141/141 (100%)	-0.24	1 (0%)	84	83	21, 32, 50, 67	0
12	2Q	141/141 (100%)	0.94	14 (9%)	13	10	40, 61, 72, 76	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.38	0 100 100	18, 27, 41, 48	0
13	2R	118/118 (100%)	0.12	2 (1%) 69 67	34, 45, 55, 65	0
14	1S	110/112 (98%)	0.02	0 100 100	30, 41, 54, 59	0
14	2S	110/112 (98%)	1.28	17 (15%) 5 4	56, 67, 75, 80	0
15	1T	131/146 (89%)	0.01	2 (1%) 72 70	24, 35, 61, 70	0
15	2T	131/146 (89%)	0.48	3 (2%) 61 58	44, 55, 73, 77	0
16	1U	116/118 (98%)	-0.57	0 100 100	15, 23, 37, 54	0
16	2U	116/118 (98%)	0.47	0 100 100	38, 55, 69, 76	0
17	1V	101/101 (100%)	-0.38	0 100 100	15, 32, 47, 57	0
17	2V	101/101 (100%)	0.86	4 (3%) 42 38	35, 64, 70, 75	0
18	1W	112/113 (99%)	-0.41	1 (0%) 81 80	17, 25, 44, 78	0
18	2W	112/113 (99%)	0.21	3 (2%) 56 53	31, 42, 59, 87	0
19	1X	95/96 (98%)	-0.14	2 (2%) 63 61	17, 31, 52, 73	0
19	2X	95/96 (98%)	0.50	4 (4%) 40 37	38, 53, 65, 76	0
20	1Y	107/110 (97%)	0.10	3 (2%) 55 51	28, 42, 62, 77	0
20	2Y	107/110 (97%)	0.99	7 (6%) 25 22	50, 65, 73, 80	0
21	1Z	154/206 (74%)	0.56	10 (6%) 25 22	33, 56, 77, 85	0
21	2Z	160/206 (77%)	1.61	43 (26%) 1 1	63, 76, 86, 89	0
22	10	83/85 (97%)	0.01	4 (4%) 35 32	22, 29, 51, 60	0
22	20	83/85 (97%)	1.11	10 (12%) 9 7	39, 58, 67, 74	0
23	11	97/98 (98%)	0.08	2 (2%) 63 61	20, 36, 62, 70	0
23	21	97/98 (98%)	0.52	2 (2%) 63 61	33, 49, 69, 73	0
24	12	70/72 (97%)	0.08	1 (1%) 73 72	29, 41, 53, 67	0
24	22	70/72 (97%)	0.52	1 (1%) 73 72	52, 63, 71, 76	0
25	13	59/60 (98%)	-0.26	2 (3%) 48 44	17, 28, 50, 75	0
25	23	59/60 (98%)	0.77	5 (8%) 16 14	46, 58, 75, 84	0
26	14	69/71 (97%)	0.84	10 (14%) 6 5	41, 65, 81, 87	0
26	24	69/71 (97%)	1.86	26 (37%) 1 0	71, 79, 87, 89	0
27	15	59/60 (98%)	-0.44	1 (1%) 69 67	15, 24, 44, 53	0
27	25	59/60 (98%)	0.06	0 100 100	31, 46, 56, 72	0
28	16	53/54 (98%)	-0.32	0 100 100	25, 34, 49, 56	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.54	0 100 100	42, 54, 63, 68	0
29	17	48/49 (97%)	-0.36	1 (2%) 63 61	16, 22, 47, 54	0
29	27	48/49 (97%)	0.00	1 (2%) 63 61	27, 34, 57, 66	0
30	18	64/65 (98%)	-0.40	0 100 100	21, 26, 36, 48	0
30	28	64/65 (98%)	0.42	0 100 100	40, 49, 57, 60	0
31	19	37/37 (100%)	-0.29	0 100 100	22, 31, 48, 53	0
31	29	37/37 (100%)	1.19	3 (8%) 18 15	55, 63, 72, 73	0
32	1a	1488/1521 (97%)	0.16	48 (3%) 50 46	28, 57, 86, 101	0
33	1b	231/256 (90%)	1.19	38 (16%) 4 4	57, 72, 82, 90	0
33	2b	231/256 (90%)	1.61	66 (28%) 1 1	67, 80, 86, 91	0
34	1c	206/239 (86%)	0.83	10 (4%) 35 31	51, 64, 75, 82	0
34	2c	206/239 (86%)	1.75	75 (36%) 1 0	67, 78, 83, 88	0
35	1d	208/209 (99%)	0.94	17 (8%) 17 15	49, 61, 73, 81	0
35	2d	208/209 (99%)	1.15	24 (11%) 9 8	56, 66, 74, 81	0
36	1e	148/162 (91%)	0.56	2 (1%) 73 72	44, 55, 68, 72	0
36	2e	148/162 (91%)	1.50	39 (26%) 1 1	60, 72, 79, 84	0
37	1f	100/101 (99%)	0.62	0 100 100	44, 60, 69, 77	0
37	2f	100/101 (99%)	0.56	1 (1%) 79 78	50, 61, 69, 78	0
38	1g	155/156 (99%)	0.53	9 (5%) 29 25	46, 61, 74, 86	0
38	2g	155/156 (99%)	1.08	17 (10%) 10 9	62, 71, 80, 85	0
39	1h	137/138 (99%)	0.66	3 (2%) 62 59	48, 58, 65, 72	0
39	2h	137/138 (99%)	1.15	12 (8%) 15 13	60, 71, 76, 81	0
40	1i	127/128 (99%)	0.86	8 (6%) 26 23	47, 67, 76, 80	0
40	2i	127/128 (99%)	1.87	50 (39%) 1 0	66, 76, 82, 84	0
41	1j	97/105 (92%)	1.30	18 (18%) 3 3	48, 70, 80, 85	0
41	2j	96/105 (91%)	2.03	42 (43%) 0 0	70, 79, 87, 91	0
42	1k	114/129 (88%)	0.64	6 (5%) 32 28	36, 57, 68, 76	0
42	2k	114/129 (88%)	0.99	12 (10%) 11 9	48, 65, 74, 78	0
43	1l	121/132 (91%)	0.34	3 (2%) 58 55	36, 45, 57, 62	0
43	2l	121/132 (91%)	0.84	7 (5%) 29 25	48, 61, 71, 76	0
44	1m	123/126 (97%)	0.49	4 (3%) 49 45	46, 60, 69, 73	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	2m	122/126 (96%)	1.62	32 (26%) 1 1	65, 75, 80, 82	0
45	1n	60/61 (98%)	0.63	1 (1%) 69 67	50, 57, 66, 69	0
45	2n	60/61 (98%)	2.25	35 (58%) 0 0	70, 77, 81, 83	0
46	1o	88/89 (98%)	0.53	5 (5%) 29 26	42, 56, 67, 74	0
46	2o	88/89 (98%)	0.82	4 (4%) 38 34	53, 67, 75, 77	0
47	1p	82/88 (93%)	0.88	2 (2%) 59 56	48, 59, 69, 71	0
47	2p	82/88 (93%)	0.94	6 (7%) 21 18	55, 63, 70, 73	0
48	1q	99/105 (94%)	0.54	1 (1%) 79 78	47, 58, 70, 72	0
48	2q	99/105 (94%)	0.85	4 (4%) 42 38	56, 65, 74, 79	0
49	1r	68/88 (77%)	0.53	2 (2%) 53 50	49, 58, 70, 72	0
49	2r	68/88 (77%)	0.67	1 (1%) 72 70	53, 64, 74, 79	0
50	1s	83/93 (89%)	0.69	5 (6%) 27 24	52, 62, 70, 77	0
50	2s	83/93 (89%)	2.10	41 (49%) 0 0	71, 79, 85, 86	0
51	1t	96/106 (90%)	0.90	10 (10%) 11 10	49, 60, 71, 77	0
51	2t	96/106 (90%)	0.82	7 (7%) 21 18	54, 64, 75, 77	0
52	1u	23/27 (85%)	0.96	2 (8%) 16 13	53, 57, 63, 66	0
52	2u	23/27 (85%)	2.10	14 (60%) 0 0	68, 73, 77, 79	0
53	1v	13/24 (54%)	0.35	2 (15%) 5 4	41, 47, 71, 95	0
53	2v	13/24 (54%)	1.65	4 (30%) 1 1	59, 72, 89, 91	0
54	1w	67/76 (88%)	1.27	16 (23%) 2 1	34, 80, 94, 98	0
54	2w	65/76 (85%)	1.79	24 (36%) 1 0	52, 89, 95, 101	0
55	1x	72/77 (93%)	0.34	5 (6%) 23 20	28, 59, 75, 84	0
55	2x	72/77 (93%)	0.85	2 (2%) 55 51	43, 72, 83, 85	0
56	1y	68/76 (89%)	1.04	8 (11%) 9 7	28, 84, 91, 95	0
56	2y	67/76 (88%)	1.50	16 (23%) 2 1	46, 90, 94, 97	0
57	2a	1491/1521 (98%)	0.70	118 (7%) 18 16	42, 70, 89, 101	0
58	A	13/18 (72%)	0.17	2 (15%) 5 4	17, 21, 65, 77	0
58	B	13/18 (72%)	1.00	2 (15%) 5 4	32, 35, 69, 80	0
All	All	20903/21784 (95%)	0.34	1442 (6%) 23 20	13, 56, 83, 102	0

The worst 5 of 1442 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
23	21	2	SER	7.5
45	1n	2	ALA	7.0
38	1g	80	VAL	6.2
57	2a	1030(B)	C	5.9
1	2A	883	G	5.9

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
56	PSU	2y	55	20/21	0.46	0.18	89,99,107,116	0
54	G7M	2w	46	24/25	0.52	0.17	80,88,101,118	0
56	5MU	2y	54	21/22	0.54	0.16	86,91,105,122	0
56	G7M	2y	46	24/25	0.54	0.18	82,90,99,118	0
56	G7M	1y	46	24/25	0.55	0.18	80,88,98,108	0
54	G7M	1w	46	24/25	0.58	0.18	70,80,100,123	0
56	PSU	1y	55	20/21	0.62	0.14	84,90,100,105	0
56	5MU	1y	54	21/22	0.66	0.15	76,85,92,104	0
56	4SU	2y	8	20/21	0.67	0.14	85,90,98,107	0
56	PSU	2y	32	20/21	0.74	0.14	74,82,94,96	0
54	4SU	2w	8	20/21	0.75	0.12	82,88,103,107	0
58	BB9	B	17	6/7	0.75	0.31	68,79,86,100	0
56	4SU	1y	8	20/21	0.77	0.14	83,88,102,104	0
54	PSU	2w	55	20/21	0.78	0.12	73,83,90,98	0
56	PSU	2y	39	20/21	0.79	0.14	72,80,86,98	0
54	4SU	1w	8	20/21	0.79	0.14	72,81,89,91	0
55	5MU	2x	54	21/22	0.82	0.14	70,77,80,92	0
55	PSU	2x	55	20/21	0.83	0.13	69,73,79,80	0
57	2MG	2a	1207	24/25	0.84	0.14	72,80,87,88	0
56	PSU	1y	32	20/21	0.84	0.13	70,78,86,87	0
54	PSU	2w	32	20/21	0.85	0.12	70,77,85,91	0
54	5MU	2w	54	21/22	0.86	0.11	67,75,81,86	0
43	0TD	1l	92	10/11	0.86	0.16	41,42,49,76	0
58	BB9	A	17	6/7	0.86	0.19	54,69,80,92	0
55	4SU	2x	8	20/21	0.86	0.12	70,75,79,81	0
56	PSU	1y	39	20/21	0.87	0.11	69,73,78,82	0
43	0TD	2l	92	10/11	0.87	0.16	58,62,66,84	0
57	M2G	2a	966	25/26	0.87	0.15	56,62,75,78	0
54	PSU	1w	55	20/21	0.89	0.10	53,69,78,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	5MC	2a	967	21/22	0.91	0.12	60,65,76,77	0
55	5MC	2x	32	21/22	0.91	0.13	62,66,70,75	0
57	PSU	2a	516	20/21	0.91	0.11	58,66,72,72	0
1	5MU	2A	1915	21/22	0.91	0.10	58,65,68,73	0
55	5MU	1x	54	21/22	0.92	0.10	54,61,65,73	0
57	5MC	2a	1400	21/22	0.92	0.14	58,64,70,74	0
57	4OC	2a	1402	22/23	0.92	0.12	48,57,64,65	0
1	PSU	2A	1911	20/21	0.92	0.10	50,55,60,77	0
54	PSU	1w	32	20/21	0.92	0.10	53,59,72,72	0
1	PSU	2A	1917	20/21	0.93	0.09	51,60,68,71	0
54	MIA	2w	37	25/30	0.93	0.10	63,70,76,77	0
57	G7M	2a	527	24/25	0.93	0.11	46,55,64,74	0
57	5MC	2a	1404	21/22	0.93	0.10	46,51,59,64	0
57	5MC	2a	1407	21/22	0.93	0.11	38,49,54,63	0
54	PSU	2w	39	20/21	0.93	0.10	65,72,79,80	0
55	PSU	1x	55	20/21	0.93	0.09	52,56,67,69	0
1	4OC	2A	1920	21/23	0.94	0.09	50,55,58,59	0
1	5MU	1A	1937	21/22	0.94	0.10	39,44,52,54	0
32	2MG	1a	1207	24/25	0.94	0.10	50,60,65,66	0
55	4SU	1x	8	20/21	0.95	0.09	48,55,66,78	0
57	UR3	2a	1498	21/22	0.95	0.11	44,50,56,60	0
57	MA6	2a	1518	24/25	0.95	0.10	42,58,62,63	0
57	MA6	2a	1519	24/25	0.95	0.12	47,54,62,63	0
54	5MU	1w	54	21/22	0.95	0.08	45,59,64,65	0
1	5MC	2A	1962	21/22	0.95	0.08	31,43,52,61	0
55	5MC	1x	32	21/22	0.96	0.09	39,46,52,57	0
1	PSU	1A	1939	20/21	0.96	0.09	36,41,45,46	0
32	MA6	1a	1519	24/25	0.96	0.09	30,35,38,42	0
1	5MC	2A	1942	21/22	0.96	0.09	39,50,56,63	0
54	MIA	1w	37	29/30	0.96	0.09	36,44,57,62	0
32	PSU	1a	516	20/21	0.96	0.07	45,49,50,51	0
32	G7M	1a	527	24/25	0.96	0.08	31,38,45,46	0
32	M2G	1a	966	25/26	0.96	0.10	39,44,51,60	0
1	OMG	2A	2251	24/25	0.97	0.07	33,37,41,47	0
1	2MA	2A	2503	23/24	0.97	0.09	26,30,33,36	0
1	PSU	2A	2605	20/21	0.97	0.08	24,33,36,37	0
1	4OC	1A	1942	21/23	0.97	0.07	29,34,37,40	0
1	5MC	1A	1964	21/22	0.97	0.07	24,31,36,43	0
32	5MC	1a	967	21/22	0.97	0.08	42,45,51,54	0
1	PSU	1A	1933	20/21	0.97	0.08	31,38,41,42	0
32	5MC	1a	1400	21/22	0.97	0.07	30,41,43,48	0
32	4OC	1a	1402	22/23	0.97	0.07	33,38,43,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
1	5MU	2A	1939	21/22	0.97	0.08	30,33,39,42	0
54	PSU	1w	39	20/21	0.97	0.08	44,50,59,59	0
32	5MC	1a	1404	21/22	0.97	0.07	29,33,37,40	0
32	5MC	1a	1407	21/22	0.97	0.07	27,33,37,40	0
1	5MC	1A	1984	21/22	0.98	0.05	18,26,30,37	0
1	2MU	1A	2564	21/23	0.98	0.07	16,22,26,31	0
1	PSU	1A	2617	20/21	0.98	0.06	15,18,23,24	0
1	5MU	1A	1961	21/22	0.98	0.07	15,20,24,26	0
32	UR3	1a	1498	21/22	0.98	0.06	27,33,37,39	0
58	BB9	A	6	6/7	0.98	0.05	20,21,22,23	0
58	BB9	B	9	6/7	0.98	0.07	32,35,36,37	0
1	2MU	2A	2552	21/23	0.98	0.07	32,37,41,46	0
32	MA6	1a	1518	24/25	0.98	0.07	25,33,36,39	0
58	BB9	A	9	6/7	0.99	0.05	14,16,16,19	0
1	OMG	1A	2263	24/25	0.99	0.04	15,19,22,25	0
1	2MA	1A	2515	23/24	0.99	0.05	10,14,17,22	0
58	BB9	B	6	6/7	0.99	0.05	23,30,33,35	0

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	3445	1/1	0.33	0.29	55,55,55,55	0
59	MG	2j	8002	1/1	0.37	0.17	85,85,85,85	0
59	MG	2A	3781	1/1	0.46	0.23	63,63,63,63	0
59	MG	2A	3528	1/1	0.51	0.30	81,81,81,81	0
59	MG	2A	3259	1/1	0.53	0.19	82,82,82,82	0
59	MG	1A	4115	1/1	0.53	0.23	60,60,60,60	0
59	MG	1y	104	1/1	0.54	0.41	80,80,80,80	0
59	MG	1a	3548	1/1	0.57	0.33	74,74,74,74	0
59	MG	2y	3005	1/1	0.57	0.19	98,98,98,98	0
59	MG	2A	3447	1/1	0.58	0.17	57,57,57,57	0
59	MG	2U	202	1/1	0.58	0.24	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2a	3113	1/1	0.59	0.28	69,69,69,69	0
59	MG	2a	3206	1/1	0.59	0.19	74,74,74,74	0
59	MG	2A	3075	1/1	0.59	0.21	73,73,73,73	0
59	MG	2v	103	1/1	0.59	0.32	70,70,70,70	0
59	MG	1a	3482	1/1	0.59	0.28	52,52,52,52	0
59	MG	2a	3221	1/1	0.60	0.30	76,76,76,76	0
59	MG	1w	111	1/1	0.60	0.30	80,80,80,80	0
59	MG	2A	3619	1/1	0.60	0.23	60,60,60,60	0
59	MG	2A	3520	1/1	0.60	0.17	79,79,79,79	0
59	MG	1y	102	1/1	0.61	0.17	77,77,77,77	0
59	MG	1y	105	1/1	0.61	0.17	80,80,80,80	0
59	MG	2a	3180	1/1	0.63	0.23	74,74,74,74	0
59	MG	2a	3212	1/1	0.64	0.26	73,73,73,73	0
59	MG	1A	4118	1/1	0.65	0.18	69,69,69,69	0
59	MG	1a	3358	1/1	0.65	0.24	73,73,73,73	0
59	MG	2A	3555	1/1	0.66	0.20	61,61,61,61	0
59	MG	1A	3420	1/1	0.66	0.18	60,60,60,60	0
59	MG	1A	3926	1/1	0.67	0.20	22,22,22,22	0
59	MG	2A	3733	1/1	0.67	0.20	71,71,71,71	0
59	MG	2A	3535	1/1	0.67	0.13	63,63,63,63	0
59	MG	2A	3347	1/1	0.67	0.19	57,57,57,57	0
59	MG	2y	3007	1/1	0.67	0.14	78,78,78,78	0
59	MG	2a	3235	1/1	0.68	0.22	80,80,80,80	0
59	MG	1Z	303	1/1	0.68	0.10	69,69,69,69	0
59	MG	1B	229	1/1	0.68	0.14	69,69,69,69	0
59	MG	2A	3018	1/1	0.68	0.22	71,71,71,71	0
59	MG	2A	3622	1/1	0.68	0.22	58,58,58,58	0
59	MG	2A	3769	1/1	0.69	0.21	56,56,56,56	0
59	MG	2j	8001	1/1	0.69	0.15	63,63,63,63	0
59	MG	1B	225	1/1	0.69	0.16	59,59,59,59	0
59	MG	1x	116	1/1	0.70	0.12	70,70,70,70	0
59	MG	2A	3588	1/1	0.71	0.19	60,60,60,60	0
59	MG	1A	3265	1/1	0.71	0.16	51,51,51,51	0
59	MG	1A	3395	1/1	0.71	0.18	54,54,54,54	0
59	MG	1Y	503	1/1	0.71	0.13	69,69,69,69	0
59	MG	1A	3722	1/1	0.71	0.27	72,72,72,72	0
59	MG	2A	3774	1/1	0.71	0.22	64,64,64,64	0
59	MG	2A	3531	1/1	0.71	0.17	57,57,57,57	0
59	MG	2A	3191	1/1	0.71	0.18	59,59,59,59	0
59	MG	2a	3002	1/1	0.71	0.20	73,73,73,73	0
59	MG	1B	220	1/1	0.71	0.24	66,66,66,66	0
59	MG	1A	4011	1/1	0.72	0.19	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	4174	1/1	0.72	0.23	52,52,52,52	0
59	MG	2a	3182	1/1	0.72	0.20	67,67,67,67	0
59	MG	2A	3253	1/1	0.72	0.20	61,61,61,61	0
59	MG	1A	4072	1/1	0.72	0.17	55,55,55,55	0
59	MG	1A	3405	1/1	0.72	0.11	55,55,55,55	0
59	MG	1A	3819	1/1	0.73	0.12	23,23,23,23	0
59	MG	2A	3494	1/1	0.73	0.16	58,58,58,58	0
59	MG	2A	3789	1/1	0.73	0.22	66,66,66,66	0
59	MG	2A	3265	1/1	0.73	0.36	73,73,73,73	0
59	MG	2a	3211	1/1	0.73	0.23	65,65,65,65	0
59	MG	2w	3007	1/1	0.73	0.23	72,72,72,72	0
59	MG	1y	103	1/1	0.73	0.20	88,88,88,88	0
59	MG	2a	3220	1/1	0.73	0.29	65,65,65,65	0
59	MG	2a	3199	1/1	0.74	0.16	58,58,58,58	0
59	MG	2A	3085	1/1	0.74	0.15	62,62,62,62	0
59	MG	1A	3902	1/1	0.74	0.14	45,45,45,45	0
59	MG	2A	3243	1/1	0.74	0.20	66,66,66,66	0
59	MG	2A	3611	1/1	0.74	0.13	66,66,66,66	0
59	MG	2B	3015	1/1	0.74	0.22	64,64,64,64	0
59	MG	2S	8001	1/1	0.74	0.17	73,73,73,73	0
59	MG	2g	8001	1/1	0.74	0.11	74,74,74,74	0
59	MG	1A	3702	1/1	0.74	0.14	20,20,20,20	0
59	MG	1a	3536	1/1	0.74	0.21	58,58,58,58	0
59	MG	2a	3037	1/1	0.74	0.29	74,74,74,74	0
59	MG	2w	3003	1/1	0.74	0.15	74,74,74,74	0
59	MG	2A	3726	1/1	0.74	0.18	56,56,56,56	0
59	MG	2x	103	1/1	0.74	0.30	74,74,74,74	0
59	MG	1A	4145	1/1	0.74	0.13	45,45,45,45	0
59	MG	2A	3768	1/1	0.74	0.18	58,58,58,58	0
59	MG	1s	3001	1/1	0.75	0.25	62,62,62,62	0
59	MG	2a	3215	1/1	0.75	0.33	75,75,75,75	0
59	MG	2R	203	1/1	0.75	0.18	52,52,52,52	0
59	MG	1a	3421	1/1	0.75	0.18	64,64,64,64	0
59	MG	1a	3420	1/1	0.75	0.20	65,65,65,65	0
59	MG	2A	3758	1/1	0.75	0.29	63,63,63,63	0
59	MG	2A	3760	1/1	0.75	0.26	61,61,61,61	0
59	MG	2A	3765	1/1	0.75	0.18	70,70,70,70	0
59	MG	2a	3133	1/1	0.75	0.15	67,67,67,67	0
59	MG	2A	3290	1/1	0.75	0.11	67,67,67,67	0
59	MG	2A	3209	1/1	0.75	0.19	60,60,60,60	0
59	MG	2A	3376	1/1	0.75	0.15	54,54,54,54	0
59	MG	2y	3003	1/1	0.75	0.10	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1a	3557	1/1	0.75	0.25	63,63,63,63	0
59	MG	2A	3246	1/1	0.75	0.19	67,67,67,67	0
59	MG	1A	3578	1/1	0.76	0.17	73,73,73,73	0
59	MG	2A	3289	1/1	0.76	0.17	70,70,70,70	0
59	MG	1A	3892	1/1	0.76	0.13	62,62,62,62	0
59	MG	1a	3572	1/1	0.76	0.15	63,63,63,63	0
59	MG	2a	3005	1/1	0.76	0.33	74,74,74,74	0
59	MG	2A	3587	1/1	0.76	0.14	62,62,62,62	0
59	MG	1A	3292	1/1	0.76	0.19	71,71,71,71	0
59	MG	2q	205	1/1	0.76	0.25	69,69,69,69	0
59	MG	2A	3771	1/1	0.76	0.15	67,67,67,67	0
59	MG	1a	3492	1/1	0.76	0.11	75,75,75,75	0
59	MG	2A	3775	1/1	0.76	0.14	63,63,63,63	0
59	MG	2A	3051	1/1	0.76	0.21	67,67,67,67	0
59	MG	2A	3517	1/1	0.76	0.22	58,58,58,58	0
59	MG	2A	3795	1/1	0.76	0.22	66,66,66,66	0
59	MG	1A	3344	1/1	0.76	0.21	57,57,57,57	0
59	MG	1A	3166	1/1	0.77	0.23	54,54,54,54	0
59	MG	2A	3260	1/1	0.77	0.22	76,76,76,76	0
59	MG	2a	3108	1/1	0.77	0.24	62,62,62,62	0
59	MG	1a	3426	1/1	0.77	0.34	55,55,55,55	0
59	MG	2a	3118	1/1	0.77	0.48	71,71,71,71	0
59	MG	2A	3725	1/1	0.77	0.16	64,64,64,64	0
59	MG	2a	3176	1/1	0.77	0.34	75,75,75,75	0
59	MG	1a	3435	1/1	0.77	0.40	76,76,76,76	0
59	MG	2A	3731	1/1	0.77	0.17	72,72,72,72	0
59	MG	1A	3410	1/1	0.77	0.19	58,58,58,58	0
59	MG	2a	3205	1/1	0.77	0.19	60,60,60,60	0
59	MG	1A	3382	1/1	0.77	0.21	57,57,57,57	0
59	MG	2a	3210	1/1	0.77	0.20	65,65,65,65	0
59	MG	1A	3798	1/1	0.77	0.29	44,44,44,44	0
59	MG	2A	3402	1/1	0.77	0.26	57,57,57,57	0
59	MG	1A	4106	1/1	0.77	0.18	58,58,58,58	0
59	MG	1a	3550	1/1	0.77	0.21	78,78,78,78	0
59	MG	1a	3553	1/1	0.77	0.28	60,60,60,60	0
59	MG	2A	3143	1/1	0.77	0.20	77,77,77,77	0
59	MG	2A	3146	1/1	0.77	0.19	78,78,78,78	0
59	MG	1A	3801	1/1	0.77	0.09	34,34,34,34	0
59	MG	1a	3330	1/1	0.77	0.17	58,58,58,58	0
59	MG	2l	202	1/1	0.77	0.16	71,71,71,71	0
59	MG	2A	3793	1/1	0.77	0.17	62,62,62,62	0
59	MG	2v	102	1/1	0.77	0.28	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3539	1/1	0.77	0.14	57,57,57,57	0
59	MG	2A	3836	1/1	0.77	0.27	65,65,65,65	0
59	MG	1a	3578	1/1	0.77	0.13	59,59,59,59	0
59	MG	2A	3573	1/1	0.77	0.15	64,64,64,64	0
59	MG	1A	3178	1/1	0.77	0.20	61,61,61,61	0
59	MG	1A	3577	1/1	0.77	0.19	57,57,57,57	0
59	MG	2A	3597	1/1	0.77	0.19	65,65,65,65	0
59	MG	2A	3073	1/1	0.78	0.22	63,63,63,63	0
59	MG	1x	114	1/1	0.78	0.26	58,58,58,58	0
59	MG	2A	3080	1/1	0.78	0.22	74,74,74,74	0
59	MG	1A	3740	1/1	0.78	0.19	49,49,49,49	0
59	MG	2A	3273	1/1	0.78	0.23	66,66,66,66	0
59	MG	2A	3558	1/1	0.78	0.14	56,56,56,56	0
59	MG	2A	3105	1/1	0.78	0.12	54,54,54,54	0
59	MG	1A	3806	1/1	0.78	0.23	47,47,47,47	0
59	MG	2A	3307	1/1	0.78	0.28	60,60,60,60	0
59	MG	2a	3216	1/1	0.78	0.35	63,63,63,63	0
59	MG	2A	3325	1/1	0.78	0.29	68,68,68,68	0
59	MG	1A	3911	1/1	0.78	0.13	62,62,62,62	0
59	MG	2A	3170	1/1	0.78	0.20	60,60,60,60	0
59	MG	2B	3022	1/1	0.78	0.25	72,72,72,72	0
59	MG	1A	4111	1/1	0.78	0.17	63,63,63,63	0
59	MG	2A	3663	1/1	0.78	0.14	60,60,60,60	0
59	MG	2A	3689	1/1	0.78	0.12	65,65,65,65	0
59	MG	1A	3645	1/1	0.78	0.29	63,63,63,63	0
59	MG	2A	3462	1/1	0.78	0.14	62,62,62,62	0
59	MG	2A	3218	1/1	0.78	0.19	63,63,63,63	0
59	MG	2a	3093	1/1	0.78	0.29	71,71,71,71	0
59	MG	2w	3005	1/1	0.78	0.11	73,73,73,73	0
59	MG	2w	3006	1/1	0.78	0.10	72,72,72,72	0
59	MG	2A	3516	1/1	0.78	0.30	64,64,64,64	0
59	MG	2A	3742	1/1	0.78	0.13	69,69,69,69	0
59	MG	2A	3748	1/1	0.78	0.18	55,55,55,55	0
59	MG	1A	3997	1/1	0.78	0.17	41,41,41,41	0
59	MG	1w	112	1/1	0.78	0.10	65,65,65,65	0
59	MG	1a	3425	1/1	0.79	0.23	58,58,58,58	0
59	MG	2A	3792	1/1	0.79	0.17	63,63,63,63	0
59	MG	2A	3636	1/1	0.79	0.18	64,64,64,64	0
59	MG	2A	3247	1/1	0.79	0.27	52,52,52,52	0
59	MG	2A	3249	1/1	0.79	0.13	62,62,62,62	0
59	MG	2B	3003	1/1	0.79	0.27	71,71,71,71	0
59	MG	1A	3193	1/1	0.79	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
59	MG	1A	3454	1/1	0.79	0.11	55,55,55,55	0
59	MG	2A	3524	1/1	0.79	0.19	51,51,51,51	0
59	MG	2A	3084	1/1	0.79	0.32	76,76,76,76	0
59	MG	1F	310	1/1	0.79	0.21	47,47,47,47	0
59	MG	1A	3479	1/1	0.79	0.32	69,69,69,69	0
59	MG	2A	3126	1/1	0.79	0.23	59,59,59,59	0
59	MG	2a	3017	1/1	0.79	0.24	76,76,76,76	0
59	MG	2a	3019	1/1	0.79	0.30	63,63,63,63	0
59	MG	1A	3249	1/1	0.79	0.11	43,43,43,43	0
59	MG	2a	3046	1/1	0.79	0.14	70,70,70,70	0
59	MG	1A	4063	1/1	0.79	0.12	45,45,45,45	0
59	MG	2a	3106	1/1	0.79	0.34	67,67,67,67	0
59	MG	1a	3549	1/1	0.79	0.30	67,67,67,67	0
59	MG	2a	3110	1/1	0.79	0.13	71,71,71,71	0
59	MG	1A	3429	1/1	0.79	0.17	50,50,50,50	0
59	MG	1a	3416	1/1	0.79	0.34	62,62,62,62	0
59	MG	1A	4095	1/1	0.79	0.25	61,61,61,61	0
59	MG	1B	222	1/1	0.79	0.19	50,50,50,50	0
59	MG	2A	3448	1/1	0.79	0.23	70,70,70,70	0
59	MG	2a	3181	1/1	0.79	0.18	55,55,55,55	0
59	MG	2A	3564	1/1	0.80	0.20	54,54,54,54	0
59	MG	18	101	1/1	0.80	0.24	62,62,62,62	0
59	MG	2a	3209	1/1	0.80	0.17	57,57,57,57	0
59	MG	1A	4117	1/1	0.80	0.16	63,63,63,63	0
59	MG	28	102	1/1	0.80	0.29	58,58,58,58	0
59	MG	1a	3462	1/1	0.80	0.24	72,72,72,72	0
59	MG	2A	3480	1/1	0.80	0.13	24,24,24,24	0
59	MG	2A	3264	1/1	0.80	0.17	60,60,60,60	0
59	MG	1A	3869	1/1	0.80	0.12	54,54,54,54	0
59	MG	2a	3036	1/1	0.80	0.17	71,71,71,71	0
59	MG	2A	3029	1/1	0.80	0.27	66,66,66,66	0
59	MG	2a	3044	1/1	0.80	0.20	66,66,66,66	0
59	MG	2A	3626	1/1	0.80	0.14	68,68,68,68	0
59	MG	1a	3393	1/1	0.80	0.15	70,70,70,70	0
59	MG	2a	3101	1/1	0.80	0.26	59,59,59,59	0
59	MG	2A	3658	1/1	0.80	0.15	68,68,68,68	0
59	MG	1A	4141	1/1	0.80	0.13	36,36,36,36	0
59	MG	1a	3543	1/1	0.80	0.17	68,68,68,68	0
59	MG	1A	3673	1/1	0.80	0.15	33,33,33,33	0
59	MG	2w	3004	1/1	0.80	0.15	75,75,75,75	0
59	MG	1A	3449	1/1	0.80	0.12	54,54,54,54	0
59	MG	1A	4077	1/1	0.80	0.20	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3399	1/1	0.80	0.17	55,55,55,55	0
59	MG	2B	3016	1/1	0.80	0.22	77,77,77,77	0
59	MG	2B	3020	1/1	0.80	0.10	80,80,80,80	0
59	MG	2A	3097	1/1	0.80	0.38	74,74,74,74	0
59	MG	2F	301	1/1	0.80	0.31	70,70,70,70	0
59	MG	2A	3687	1/1	0.81	0.12	39,39,39,39	0
59	MG	2a	3183	1/1	0.81	0.17	65,65,65,65	0
59	MG	2B	3018	1/1	0.81	0.19	62,62,62,62	0
59	MG	2A	3275	1/1	0.81	0.23	66,66,66,66	0
59	MG	1a	3567	1/1	0.81	0.10	83,83,83,83	0
59	MG	2A	3022	1/1	0.81	0.14	46,46,46,46	0
59	MG	2A	3193	1/1	0.81	0.21	40,40,40,40	0
59	MG	1E	312	1/1	0.81	0.12	56,56,56,56	0
59	MG	1A	3948	1/1	0.81	0.11	69,69,69,69	0
59	MG	2A	3747	1/1	0.81	0.29	61,61,61,61	0
59	MG	1O	3006	1/1	0.81	0.11	64,64,64,64	0
59	MG	2A	3377	1/1	0.81	0.16	36,36,36,36	0
59	MG	1a	3508	1/1	0.81	0.13	51,51,51,51	0
59	MG	2A	3583	1/1	0.81	0.15	48,48,48,48	0
59	MG	1a	3418	1/1	0.81	0.29	64,64,64,64	0
59	MG	1x	112	1/1	0.81	0.13	47,47,47,47	0
59	MG	2A	3596	1/1	0.81	0.16	60,60,60,60	0
59	MG	1V	202	1/1	0.81	0.11	54,54,54,54	0
59	MG	2a	3066	1/1	0.81	0.21	54,54,54,54	0
59	MG	2A	3605	1/1	0.81	0.20	55,55,55,55	0
59	MG	2A	3457	1/1	0.81	0.13	65,65,65,65	0
59	MG	2A	3255	1/1	0.81	0.32	65,65,65,65	0
59	MG	2A	3791	1/1	0.81	0.13	62,62,62,62	0
59	MG	1A	3907	1/1	0.81	0.16	74,74,74,74	0
59	MG	1a	3424	1/1	0.81	0.19	66,66,66,66	0
59	MG	1A	3745	1/1	0.81	0.19	48,48,48,48	0
59	MG	2A	3813	1/1	0.81	0.18	62,62,62,62	0
59	MG	2y	3002	1/1	0.81	0.14	80,80,80,80	0
59	MG	1A	4019	1/1	0.81	0.34	33,33,33,33	0
59	MG	1A	3521	1/1	0.81	0.12	54,54,54,54	0
59	MG	2A	3675	1/1	0.81	0.13	51,51,51,51	0
59	MG	2A	3776	1/1	0.82	0.16	56,56,56,56	0
59	MG	1b	3001	1/1	0.82	0.11	74,74,74,74	0
59	MG	2A	3240	1/1	0.82	0.17	62,62,62,62	0
59	MG	2A	3390	1/1	0.82	0.21	60,60,60,60	0
59	MG	1l	203	1/1	0.82	0.23	64,64,64,64	0
59	MG	2a	3146	1/1	0.82	0.19	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1a	3350	1/1	0.82	0.21	61,61,61,61	0
59	MG	2A	3413	1/1	0.82	0.12	43,43,43,43	0
59	MG	2A	3427	1/1	0.82	0.17	49,49,49,49	0
59	MG	2A	3438	1/1	0.82	0.25	77,77,77,77	0
59	MG	1A	3515	1/1	0.82	0.47	71,71,71,71	0
59	MG	2B	3008	1/1	0.82	0.21	66,66,66,66	0
59	MG	2B	3010	1/1	0.82	0.23	60,60,60,60	0
59	MG	1D	313	1/1	0.82	0.29	34,34,34,34	0
59	MG	1a	3402	1/1	0.82	0.22	60,60,60,60	0
59	MG	1A	3647	1/1	0.82	0.22	56,56,56,56	0
59	MG	2A	3474	1/1	0.82	0.21	55,55,55,55	0
59	MG	1A	4138	1/1	0.82	0.14	76,76,76,76	0
59	MG	1A	4074	1/1	0.82	0.16	63,63,63,63	0
59	MG	1A	3828	1/1	0.82	0.12	46,46,46,46	0
59	MG	1A	3844	1/1	0.82	0.17	35,35,35,35	0
59	MG	2A	3272	1/1	0.82	0.23	44,44,44,44	0
59	MG	25	104	1/1	0.82	0.11	61,61,61,61	0
59	MG	2A	3154	1/1	0.82	0.29	58,58,58,58	0
59	MG	2A	3526	1/1	0.82	0.14	54,54,54,54	0
59	MG	2a	3003	1/1	0.82	0.23	54,54,54,54	0
59	MG	2A	3161	1/1	0.82	0.18	67,67,67,67	0
59	MG	2A	3286	1/1	0.82	0.33	58,58,58,58	0
59	MG	2A	3749	1/1	0.82	0.19	55,55,55,55	0
59	MG	2A	3287	1/1	0.82	0.32	65,65,65,65	0
59	MG	2A	3169	1/1	0.82	0.19	53,53,53,53	0
59	MG	2A	3547	1/1	0.82	0.27	67,67,67,67	0
59	MG	1A	3656	1/1	0.82	0.18	57,57,57,57	0
59	MG	2a	3053	1/1	0.82	0.19	58,58,58,58	0
59	MG	1A	3113	1/1	0.82	0.18	37,37,37,37	0
59	MG	2a	3092	1/1	0.82	0.28	61,61,61,61	0
59	MG	1A	3641	1/1	0.82	0.15	40,40,40,40	0
59	MG	2a	3098	1/1	0.82	0.26	69,69,69,69	0
59	MG	2A	3346	1/1	0.82	0.20	62,62,62,62	0
59	MG	1a	3345	1/1	0.82	0.34	62,62,62,62	0
59	MG	1a	3472	1/1	0.83	0.27	64,64,64,64	0
59	MG	2a	3105	1/1	0.83	0.19	64,64,64,64	0
59	MG	1A	3904	1/1	0.83	0.13	58,58,58,58	0
59	MG	1a	3305	1/1	0.83	0.14	54,54,54,54	0
59	MG	2A	3599	1/1	0.83	0.17	65,65,65,65	0
59	MG	1A	3087	1/1	0.83	0.22	56,56,56,56	0
59	MG	2A	3606	1/1	0.83	0.12	73,73,73,73	0
59	MG	1A	4178	1/1	0.83	0.16	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2a	3134	1/1	0.83	0.12	80,80,80,80	0
59	MG	2A	3798	1/1	0.83	0.17	57,57,57,57	0
59	MG	2a	3163	1/1	0.83	0.12	91,91,91,91	0
59	MG	2a	3166	1/1	0.83	0.17	65,65,65,65	0
59	MG	1A	4179	1/1	0.83	0.18	60,60,60,60	0
59	MG	2A	3044	1/1	0.83	0.14	62,62,62,62	0
59	MG	1A	3910	1/1	0.83	0.15	64,64,64,64	0
59	MG	2A	3629	1/1	0.83	0.17	67,67,67,67	0
59	MG	2A	3634	1/1	0.83	0.16	41,41,41,41	0
59	MG	2a	3198	1/1	0.83	0.20	56,56,56,56	0
59	MG	1a	3363	1/1	0.83	0.27	50,50,50,50	0
59	MG	2A	3651	1/1	0.83	0.13	72,72,72,72	0
59	MG	1A	3775	1/1	0.83	0.17	46,46,46,46	0
59	MG	1a	3396	1/1	0.83	0.17	62,62,62,62	0
59	MG	1A	3503	1/1	0.83	0.17	53,53,53,53	0
59	MG	1a	3405	1/1	0.83	0.17	47,47,47,47	0
59	MG	2O	8001	1/1	0.83	0.14	53,53,53,53	0
59	MG	2A	3087	1/1	0.83	0.19	53,53,53,53	0
59	MG	2A	3712	1/1	0.83	0.11	40,40,40,40	0
59	MG	1a	3409	1/1	0.83	0.15	74,74,74,74	0
59	MG	1a	3415	1/1	0.83	0.33	56,56,56,56	0
59	MG	2a	3229	1/1	0.83	0.26	60,60,60,60	0
59	MG	2A	3110	1/1	0.83	0.17	60,60,60,60	0
59	MG	2f	3002	1/1	0.83	0.20	69,69,69,69	0
59	MG	1A	3850	1/1	0.83	0.15	46,46,46,46	0
59	MG	1B	230	1/1	0.83	0.17	59,59,59,59	0
59	MG	2A	3745	1/1	0.83	0.13	48,48,48,48	0
59	MG	1A	3955	1/1	0.83	0.10	68,68,68,68	0
59	MG	2a	3018	1/1	0.83	0.20	67,67,67,67	0
59	MG	1A	3958	1/1	0.83	0.14	45,45,45,45	0
59	MG	2a	3035	1/1	0.83	0.15	57,57,57,57	0
59	MG	1A	3971	1/1	0.83	0.10	45,45,45,45	0
59	MG	2A	3542	1/1	0.83	0.10	52,52,52,52	0
59	MG	2A	3344	1/1	0.83	0.17	56,56,56,56	0
59	MG	1A	3617	1/1	0.83	0.11	47,47,47,47	0
59	MG	1A	4137	1/1	0.83	0.21	64,64,64,64	0
59	MG	2A	3348	1/1	0.83	0.25	66,66,66,66	0
59	MG	2a	3073	1/1	0.83	0.25	71,71,71,71	0
59	MG	2A	3366	1/1	0.83	0.36	70,70,70,70	0
59	MG	1A	3638	1/1	0.83	0.11	28,28,28,28	0
59	MG	1A	3809	1/1	0.83	0.10	48,48,48,48	0
59	MG	2A	3471	1/1	0.84	0.29	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1P	203	1/1	0.84	0.12	49,49,49,49	0
59	MG	1A	3284	1/1	0.84	0.12	37,37,37,37	0
59	MG	2A	3739	1/1	0.84	0.17	49,49,49,49	0
59	MG	2a	3055	1/1	0.84	0.30	58,58,58,58	0
59	MG	2a	3064	1/1	0.84	0.27	70,70,70,70	0
59	MG	2A	3491	1/1	0.84	0.12	53,53,53,53	0
59	MG	1B	204	1/1	0.84	0.26	48,48,48,48	0
59	MG	2a	3081	1/1	0.84	0.18	67,67,67,67	0
59	MG	1a	3414	1/1	0.84	0.30	57,57,57,57	0
59	MG	1A	3732	1/1	0.84	0.17	60,60,60,60	0
59	MG	2A	3262	1/1	0.84	0.14	56,56,56,56	0
59	MG	2A	3755	1/1	0.84	0.24	64,64,64,64	0
59	MG	2a	3102	1/1	0.84	0.15	66,66,66,66	0
59	MG	1A	4012	1/1	0.84	0.21	53,53,53,53	0
59	MG	1A	3138	1/1	0.84	0.23	59,59,59,59	0
59	MG	2a	3107	1/1	0.84	0.28	68,68,68,68	0
59	MG	2A	3764	1/1	0.84	0.16	38,38,38,38	0
59	MG	1a	3326	1/1	0.84	0.32	56,56,56,56	0
59	MG	2a	3112	1/1	0.84	0.21	51,51,51,51	0
59	MG	2A	3088	1/1	0.84	0.17	65,65,65,65	0
59	MG	2a	3116	1/1	0.84	0.26	65,65,65,65	0
59	MG	1A	3741	1/1	0.84	0.15	46,46,46,46	0
59	MG	2A	3099	1/1	0.84	0.15	51,51,51,51	0
59	MG	1A	3338	1/1	0.84	0.17	42,42,42,42	0
59	MG	2a	3138	1/1	0.84	0.11	88,88,88,88	0
59	MG	2A	3288	1/1	0.84	0.09	67,67,67,67	0
59	MG	1B	231	1/1	0.84	0.22	63,63,63,63	0
59	MG	2A	3778	1/1	0.84	0.22	63,63,63,63	0
59	MG	2A	3557	1/1	0.84	0.13	53,53,53,53	0
59	MG	2A	3783	1/1	0.84	0.11	73,73,73,73	0
59	MG	2A	3119	1/1	0.84	0.21	61,61,61,61	0
59	MG	2A	3292	1/1	0.84	0.19	66,66,66,66	0
59	MG	2A	3295	1/1	0.84	0.16	58,58,58,58	0
59	MG	2a	3187	1/1	0.84	0.14	71,71,71,71	0
59	MG	2A	3582	1/1	0.84	0.14	29,29,29,29	0
59	MG	1v	3001	1/1	0.84	0.14	60,60,60,60	0
59	MG	2A	3584	1/1	0.84	0.17	52,52,52,52	0
59	MG	2A	3585	1/1	0.84	0.17	59,59,59,59	0
59	MG	2A	3309	1/1	0.84	0.13	57,57,57,57	0
59	MG	2A	3845	1/1	0.84	0.52	49,49,49,49	0
59	MG	1w	109	1/1	0.84	0.17	68,68,68,68	0
59	MG	2B	3007	1/1	0.84	0.17	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3594	1/1	0.84	0.11	64,64,64,64	0
59	MG	2A	3338	1/1	0.84	0.44	66,66,66,66	0
59	MG	1A	3254	1/1	0.84	0.23	64,64,64,64	0
59	MG	1a	3362	1/1	0.84	0.13	51,51,51,51	0
59	MG	1x	103	1/1	0.84	0.15	60,60,60,60	0
59	MG	1a	3436	1/1	0.84	0.31	56,56,56,56	0
59	MG	2A	3354	1/1	0.84	0.20	61,61,61,61	0
59	MG	2D	304	1/1	0.84	0.60	44,44,44,44	0
59	MG	2E	303	1/1	0.84	0.24	53,53,53,53	0
59	MG	1A	3778	1/1	0.84	0.12	38,38,38,38	0
59	MG	2A	3178	1/1	0.84	0.19	50,50,50,50	0
59	MG	2p	3001	1/1	0.84	0.20	63,63,63,63	0
59	MG	1a	3364	1/1	0.84	0.27	53,53,53,53	0
59	MG	1a	3369	1/1	0.84	0.17	64,64,64,64	0
59	MG	1a	3372	1/1	0.84	0.22	64,64,64,64	0
59	MG	2A	3211	1/1	0.84	0.23	61,61,61,61	0
59	MG	2A	3216	1/1	0.84	0.14	47,47,47,47	0
59	MG	1A	3102	1/1	0.84	0.13	46,46,46,46	0
59	MG	2A	3662	1/1	0.84	0.20	69,69,69,69	0
59	MG	2A	3233	1/1	0.84	0.30	66,66,66,66	0
59	MG	1a	3511	1/1	0.84	0.14	46,46,46,46	0
59	MG	2x	104	1/1	0.84	0.21	71,71,71,71	0
59	MG	2y	3001	1/1	0.84	0.14	65,65,65,65	0
59	MG	1a	3394	1/1	0.84	0.24	61,61,61,61	0
59	MG	2A	3455	1/1	0.84	0.17	65,65,65,65	0
59	MG	1A	3508	1/1	0.84	0.13	53,53,53,53	0
59	MG	1a	3544	1/1	0.84	0.23	66,66,66,66	0
59	MG	1A	4073	1/1	0.85	0.14	40,40,40,40	0
59	MG	1a	3365	1/1	0.85	0.13	62,62,62,62	0
59	MG	1A	3545	1/1	0.85	0.12	21,21,21,21	0
59	MG	2a	3080	1/1	0.85	0.18	58,58,58,58	0
59	MG	1A	3909	1/1	0.85	0.18	58,58,58,58	0
59	MG	2a	3082	1/1	0.85	0.24	65,65,65,65	0
59	MG	2a	3085	1/1	0.85	0.24	69,69,69,69	0
59	MG	2a	3088	1/1	0.85	0.21	61,61,61,61	0
59	MG	2a	3089	1/1	0.85	0.24	67,67,67,67	0
59	MG	1a	3381	1/1	0.85	0.22	62,62,62,62	0
59	MG	2A	3761	1/1	0.85	0.17	61,61,61,61	0
59	MG	2A	3538	1/1	0.85	0.13	47,47,47,47	0
59	MG	2A	3089	1/1	0.85	0.20	78,78,78,78	0
59	MG	2A	3095	1/1	0.85	0.21	60,60,60,60	0
59	MG	2A	3543	1/1	0.85	0.12	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3770	1/1	0.85	0.19	53,53,53,53	0
59	MG	1a	3388	1/1	0.85	0.35	61,61,61,61	0
59	MG	2A	3551	1/1	0.85	0.14	60,60,60,60	0
59	MG	1A	3487	1/1	0.85	0.12	55,55,55,55	0
59	MG	1B	236	1/1	0.85	0.12	57,57,57,57	0
59	MG	1A	3678	1/1	0.85	0.22	57,57,57,57	0
59	MG	2A	3559	1/1	0.85	0.15	38,38,38,38	0
59	MG	2A	3782	1/1	0.85	0.10	60,60,60,60	0
59	MG	2a	3122	1/1	0.85	0.24	67,67,67,67	0
59	MG	1a	3401	1/1	0.85	0.11	48,48,48,48	0
59	MG	2A	3566	1/1	0.85	0.12	71,71,71,71	0
59	MG	2A	3306	1/1	0.85	0.28	60,60,60,60	0
59	MG	1A	3489	1/1	0.85	0.11	33,33,33,33	0
59	MG	2a	3160	1/1	0.85	0.13	73,73,73,73	0
59	MG	1a	3404	1/1	0.85	0.41	65,65,65,65	0
59	MG	2A	3315	1/1	0.85	0.34	63,63,63,63	0
59	MG	1A	3271	1/1	0.85	0.36	35,35,35,35	0
59	MG	2A	3799	1/1	0.85	0.16	60,60,60,60	0
59	MG	2A	3809	1/1	0.85	0.11	55,55,55,55	0
59	MG	1a	3406	1/1	0.85	0.22	50,50,50,50	0
59	MG	2A	3831	1/1	0.85	0.30	39,39,39,39	0
59	MG	1A	3629	1/1	0.85	0.10	17,17,17,17	0
59	MG	2a	3193	1/1	0.85	0.16	70,70,70,70	0
59	MG	1a	3410	1/1	0.85	0.20	59,59,59,59	0
59	MG	1A	3303	1/1	0.85	0.18	50,50,50,50	0
59	MG	2a	3204	1/1	0.85	0.28	62,62,62,62	0
59	MG	2A	3173	1/1	0.85	0.18	62,62,62,62	0
59	MG	1A	4125	1/1	0.85	0.18	40,40,40,40	0
59	MG	2A	3180	1/1	0.85	0.14	53,53,53,53	0
59	MG	2B	3011	1/1	0.85	0.21	62,62,62,62	0
59	MG	2A	3188	1/1	0.85	0.17	53,53,53,53	0
59	MG	1A	3394	1/1	0.85	0.12	60,60,60,60	0
59	MG	1A	3988	1/1	0.85	0.17	62,62,62,62	0
59	MG	2A	3198	1/1	0.85	0.13	71,71,71,71	0
59	MG	2a	3219	1/1	0.85	0.13	73,73,73,73	0
59	MG	1x	111	1/1	0.85	0.19	65,65,65,65	0
59	MG	2A	3628	1/1	0.85	0.11	43,43,43,43	0
59	MG	2a	3226	1/1	0.85	0.22	59,59,59,59	0
59	MG	1A	3995	1/1	0.85	0.18	49,49,49,49	0
59	MG	2A	3422	1/1	0.85	0.14	67,67,67,67	0
59	MG	2a	3236	1/1	0.85	0.09	75,75,75,75	0
59	MG	2a	3238	1/1	0.85	0.16	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2F	303	1/1	0.85	0.47	54,54,54,54	0
59	MG	1A	3518	1/1	0.85	0.39	63,63,63,63	0
59	MG	2A	3637	1/1	0.85	0.11	61,61,61,61	0
59	MG	2A	3428	1/1	0.85	0.16	63,63,63,63	0
59	MG	1a	3315	1/1	0.85	0.13	48,48,48,48	0
59	MG	2A	3224	1/1	0.85	0.10	49,49,49,49	0
59	MG	2q	201	1/1	0.85	0.16	50,50,50,50	0
59	MG	1A	3857	1/1	0.85	0.11	22,22,22,22	0
59	MG	1A	3746	1/1	0.85	0.17	48,48,48,48	0
59	MG	1a	3429	1/1	0.85	0.21	61,61,61,61	0
59	MG	2w	3002	1/1	0.85	0.18	73,73,73,73	0
59	MG	1a	3336	1/1	0.85	0.26	60,60,60,60	0
59	MG	2a	3013	1/1	0.85	0.22	68,68,68,68	0
59	MG	2A	3708	1/1	0.85	0.16	29,29,29,29	0
59	MG	1A	3758	1/1	0.85	0.11	37,37,37,37	0
59	MG	1A	4036	1/1	0.85	0.09	46,46,46,46	0
59	MG	2A	3250	1/1	0.85	0.13	56,56,56,56	0
59	MG	2A	3486	1/1	0.85	0.22	61,61,61,61	0
59	MG	1a	3354	1/1	0.85	0.13	66,66,66,66	0
59	MG	1a	3478	1/1	0.85	0.11	68,68,68,68	0
59	MG	1B	217	1/1	0.85	0.11	41,41,41,41	0
59	MG	1A	3773	1/1	0.85	0.10	57,57,57,57	0
59	MG	1A	3223	1/1	0.85	0.17	40,40,40,40	0
59	MG	2A	3291	1/1	0.86	0.28	74,74,74,74	0
59	MG	1A	4112	1/1	0.86	0.14	56,56,56,56	0
59	MG	2A	3601	1/1	0.86	0.14	60,60,60,60	0
59	MG	1A	3441	1/1	0.86	0.10	62,62,62,62	0
59	MG	2A	3297	1/1	0.86	0.18	52,52,52,52	0
59	MG	2a	3006	1/1	0.86	0.47	76,76,76,76	0
59	MG	2a	3009	1/1	0.86	0.31	67,67,67,67	0
59	MG	1A	3103	1/1	0.86	0.11	34,34,34,34	0
59	MG	2A	3613	1/1	0.86	0.13	36,36,36,36	0
59	MG	2A	3614	1/1	0.86	0.15	63,63,63,63	0
59	MG	1a	3325	1/1	0.86	0.16	50,50,50,50	0
59	MG	1a	3439	1/1	0.86	0.15	63,63,63,63	0
59	MG	2A	3625	1/1	0.86	0.20	67,67,67,67	0
59	MG	2A	3312	1/1	0.86	0.12	55,55,55,55	0
59	MG	2A	3313	1/1	0.86	0.25	54,54,54,54	0
59	MG	2a	3045	1/1	0.86	0.23	58,58,58,58	0
59	MG	1a	3453	1/1	0.86	0.13	64,64,64,64	0
59	MG	1A	3349	1/1	0.86	0.09	49,49,49,49	0
59	MG	2A	3329	1/1	0.86	0.10	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3336	1/1	0.86	0.34	57,57,57,57	0
59	MG	2a	3065	1/1	0.86	0.20	58,58,58,58	0
59	MG	1A	3350	1/1	0.86	0.16	57,57,57,57	0
59	MG	2A	3652	1/1	0.86	0.12	60,60,60,60	0
59	MG	2A	3654	1/1	0.86	0.14	62,62,62,62	0
59	MG	1A	4127	1/1	0.86	0.25	44,44,44,44	0
59	MG	2A	3100	1/1	0.86	0.20	65,65,65,65	0
59	MG	1A	4135	1/1	0.86	0.29	40,40,40,40	0
59	MG	2A	3669	1/1	0.86	0.11	69,69,69,69	0
59	MG	1a	3489	1/1	0.86	0.10	85,85,85,85	0
59	MG	2a	3091	1/1	0.86	0.17	77,77,77,77	0
59	MG	1A	3461	1/1	0.86	0.12	58,58,58,58	0
59	MG	1a	3504	1/1	0.86	0.12	57,57,57,57	0
59	MG	2A	3690	1/1	0.86	0.15	37,37,37,37	0
59	MG	2A	3368	1/1	0.86	0.13	63,63,63,63	0
59	MG	1A	3783	1/1	0.86	0.11	64,64,64,64	0
59	MG	1A	3788	1/1	0.86	0.22	27,27,27,27	0
59	MG	2A	3380	1/1	0.86	0.12	41,41,41,41	0
59	MG	1a	3361	1/1	0.86	0.18	68,68,68,68	0
59	MG	1A	3470	1/1	0.86	0.23	47,47,47,47	0
59	MG	2A	3162	1/1	0.86	0.12	56,56,56,56	0
59	MG	2A	3165	1/1	0.86	0.15	61,61,61,61	0
59	MG	2A	3414	1/1	0.86	0.08	43,43,43,43	0
59	MG	1A	3973	1/1	0.86	0.12	28,28,28,28	0
59	MG	1A	3800	1/1	0.86	0.15	30,30,30,30	0
59	MG	1A	3990	1/1	0.86	0.20	46,46,46,46	0
59	MG	2a	3131	1/1	0.86	0.10	77,77,77,77	0
59	MG	1A	4205	1/1	0.86	0.15	45,45,45,45	0
59	MG	2A	3179	1/1	0.86	0.12	46,46,46,46	0
59	MG	1a	3370	1/1	0.86	0.27	67,67,67,67	0
59	MG	2A	3452	1/1	0.86	0.21	56,56,56,56	0
59	MG	2a	3153	1/1	0.86	0.09	80,80,80,80	0
59	MG	2a	3158	1/1	0.86	0.13	71,71,71,71	0
59	MG	1A	3644	1/1	0.86	0.09	56,56,56,56	0
59	MG	2A	3189	1/1	0.86	0.13	54,54,54,54	0
59	MG	2A	3458	1/1	0.86	0.10	53,53,53,53	0
59	MG	1a	3373	1/1	0.86	0.23	59,59,59,59	0
59	MG	2a	3179	1/1	0.86	0.20	64,64,64,64	0
59	MG	1a	3380	1/1	0.86	0.15	48,48,48,48	0
59	MG	1A	3045	1/1	0.86	0.13	53,53,53,53	0
59	MG	1a	3384	1/1	0.86	0.20	46,46,46,46	0
59	MG	1a	3385	1/1	0.86	0.33	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2a	3185	1/1	0.86	0.09	64,64,64,64	0
59	MG	1A	4005	1/1	0.86	0.17	52,52,52,52	0
59	MG	2A	3492	1/1	0.86	0.11	44,44,44,44	0
59	MG	1a	3391	1/1	0.86	0.16	55,55,55,55	0
59	MG	2A	3507	1/1	0.86	0.13	33,33,33,33	0
59	MG	2A	3223	1/1	0.86	0.09	59,59,59,59	0
59	MG	1w	108	1/1	0.86	0.19	59,59,59,59	0
59	MG	2A	3225	1/1	0.86	0.17	53,53,53,53	0
59	MG	2A	3231	1/1	0.86	0.10	75,75,75,75	0
59	MG	1A	3129	1/1	0.86	0.14	36,36,36,36	0
59	MG	2A	3794	1/1	0.86	0.15	61,61,61,61	0
59	MG	1A	3652	1/1	0.86	0.13	35,35,35,35	0
59	MG	1A	3132	1/1	0.86	0.14	30,30,30,30	0
59	MG	1A	3226	1/1	0.86	0.28	56,56,56,56	0
59	MG	2a	3217	1/1	0.86	0.19	58,58,58,58	0
59	MG	2A	3801	1/1	0.86	0.12	55,55,55,55	0
59	MG	1A	3062	1/1	0.86	0.24	47,47,47,47	0
59	MG	1B	232	1/1	0.86	0.10	67,67,67,67	0
59	MG	1A	3314	1/1	0.86	0.13	47,47,47,47	0
59	MG	1A	3861	1/1	0.86	0.10	39,39,39,39	0
59	MG	2A	3844	1/1	0.86	0.25	48,48,48,48	0
59	MG	1A	3516	1/1	0.86	0.21	49,49,49,49	0
59	MG	2A	3258	1/1	0.86	0.24	68,68,68,68	0
59	MG	2A	3553	1/1	0.86	0.20	63,63,63,63	0
59	MG	1A	4076	1/1	0.86	0.09	43,43,43,43	0
59	MG	2A	3556	1/1	0.86	0.12	60,60,60,60	0
59	MG	1a	3412	1/1	0.86	0.22	51,51,51,51	0
59	MG	1A	3252	1/1	0.86	0.10	28,28,28,28	0
59	MG	2A	3005	1/1	0.86	0.14	62,62,62,62	0
59	MG	2B	3017	1/1	0.86	0.15	57,57,57,57	0
59	MG	1A	3433	1/1	0.86	0.15	56,56,56,56	0
59	MG	2t	3001	1/1	0.86	0.17	53,53,53,53	0
59	MG	2B	3019	1/1	0.86	0.15	61,61,61,61	0
59	MG	2A	3271	1/1	0.86	0.14	71,71,71,71	0
59	MG	1P	204	1/1	0.86	0.20	41,41,41,41	0
59	MG	1R	203	1/1	0.86	0.16	33,33,33,33	0
59	MG	1S	3001	1/1	0.86	0.30	39,39,39,39	0
59	MG	2A	3285	1/1	0.86	0.12	52,52,52,52	0
59	MG	1A	3526	1/1	0.86	0.23	59,59,59,59	0
59	MG	2G	3001	1/1	0.86	0.25	64,64,64,64	0
59	MG	2x	101	1/1	0.86	0.18	72,72,72,72	0
59	MG	2A	3067	1/1	0.86	0.16	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2Q	3004	1/1	0.86	0.15	45,45,45,45	0
59	MG	2R	202	1/1	0.86	0.20	61,61,61,61	0
59	MG	1A	4110	1/1	0.86	0.12	62,62,62,62	0
59	MG	1A	3440	1/1	0.86	0.17	70,70,70,70	0
59	MG	2A	3079	1/1	0.86	0.23	60,60,60,60	0
59	MG	2U	204	1/1	0.86	0.25	49,49,49,49	0
59	MG	1B	212	1/1	0.87	0.12	42,42,42,42	0
59	MG	1a	3353	1/1	0.87	0.24	58,58,58,58	0
59	MG	2a	3074	1/1	0.87	0.13	64,64,64,64	0
59	MG	1A	3556	1/1	0.87	0.14	30,30,30,30	0
59	MG	1A	3671	1/1	0.87	0.13	57,57,57,57	0
59	MG	2A	3041	1/1	0.87	0.28	60,60,60,60	0
59	MG	1B	221	1/1	0.87	0.18	52,52,52,52	0
59	MG	2a	3087	1/1	0.87	0.28	65,65,65,65	0
59	MG	2A	3510	1/1	0.87	0.10	58,58,58,58	0
59	MG	1a	3459	1/1	0.87	0.10	66,66,66,66	0
59	MG	1A	4075	1/1	0.87	0.13	21,21,21,21	0
59	MG	2A	3068	1/1	0.87	0.15	52,52,52,52	0
59	MG	1a	3466	1/1	0.87	0.32	72,72,72,72	0
59	MG	1A	3569	1/1	0.87	0.11	42,42,42,42	0
59	MG	2A	3527	1/1	0.87	0.13	65,65,65,65	0
59	MG	1A	3310	1/1	0.87	0.32	40,40,40,40	0
59	MG	1A	4082	1/1	0.87	0.10	50,50,50,50	0
59	MG	2A	3083	1/1	0.87	0.25	61,61,61,61	0
59	MG	1a	3366	1/1	0.87	0.15	57,57,57,57	0
59	MG	2A	3274	1/1	0.87	0.28	59,59,59,59	0
59	MG	1a	3490	1/1	0.87	0.11	57,57,57,57	0
59	MG	1A	4085	1/1	0.87	0.14	64,64,64,64	0
59	MG	2A	3545	1/1	0.87	0.12	61,61,61,61	0
59	MG	1a	3493	1/1	0.87	0.17	51,51,51,51	0
59	MG	2A	3550	1/1	0.87	0.09	56,56,56,56	0
59	MG	1A	3699	1/1	0.87	0.11	37,37,37,37	0
59	MG	1a	3505	1/1	0.87	0.11	56,56,56,56	0
59	MG	1B	233	1/1	0.87	0.16	64,64,64,64	0
59	MG	1A	3232	1/1	0.87	0.14	51,51,51,51	0
59	MG	1a	3535	1/1	0.87	0.16	59,59,59,59	0
59	MG	2A	3796	1/1	0.87	0.14	70,70,70,70	0
59	MG	1D	312	1/1	0.87	0.09	49,49,49,49	0
59	MG	1A	3612	1/1	0.87	0.11	45,45,45,45	0
59	MG	1A	3810	1/1	0.87	0.11	38,38,38,38	0
59	MG	1F	309	1/1	0.87	0.08	36,36,36,36	0
59	MG	2A	3569	1/1	0.87	0.19	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2a	3170	1/1	0.87	0.18	49,49,49,49	0
59	MG	2A	3137	1/1	0.87	0.28	60,60,60,60	0
59	MG	2A	3574	1/1	0.87	0.20	56,56,56,56	0
59	MG	2A	3837	1/1	0.87	0.15	61,61,61,61	0
59	MG	2A	3140	1/1	0.87	0.34	72,72,72,72	0
59	MG	1A	3504	1/1	0.87	0.20	53,53,53,53	0
59	MG	2A	3145	1/1	0.87	0.19	62,62,62,62	0
59	MG	1O	3001	1/1	0.87	0.11	54,54,54,54	0
59	MG	2a	3186	1/1	0.87	0.39	69,69,69,69	0
59	MG	2A	3324	1/1	0.87	0.21	53,53,53,53	0
59	MG	2A	3150	1/1	0.87	0.14	42,42,42,42	0
59	MG	2A	3151	1/1	0.87	0.19	74,74,74,74	0
59	MG	1A	3824	1/1	0.87	0.09	35,35,35,35	0
59	MG	1A	3986	1/1	0.87	0.12	61,61,61,61	0
59	MG	1a	3559	1/1	0.87	0.18	69,69,69,69	0
59	MG	1a	3562	1/1	0.87	0.21	63,63,63,63	0
59	MG	2a	3208	1/1	0.87	0.13	63,63,63,63	0
59	MG	1a	3565	1/1	0.87	0.16	35,35,35,35	0
59	MG	1A	3628	1/1	0.87	0.08	21,21,21,21	0
59	MG	2A	3350	1/1	0.87	0.28	57,57,57,57	0
59	MG	1a	3399	1/1	0.87	0.16	42,42,42,42	0
59	MG	2a	3214	1/1	0.87	0.25	68,68,68,68	0
59	MG	2A	3362	1/1	0.87	0.09	57,57,57,57	0
59	MG	1A	4122	1/1	0.87	0.12	44,44,44,44	0
59	MG	1A	3835	1/1	0.87	0.15	51,51,51,51	0
59	MG	1f	3003	1/1	0.87	0.29	57,57,57,57	0
59	MG	1A	3237	1/1	0.87	0.15	52,52,52,52	0
59	MG	2A	3627	1/1	0.87	0.13	53,53,53,53	0
59	MG	1A	3126	1/1	0.87	0.27	29,29,29,29	0
59	MG	1A	4003	1/1	0.87	0.13	54,54,54,54	0
59	MG	1A	3057	1/1	0.87	0.07	26,26,26,26	0
59	MG	1A	3413	1/1	0.87	0.25	49,49,49,49	0
59	MG	2A	3410	1/1	0.87	0.10	25,25,25,25	0
59	MG	2Z	8001	1/1	0.87	0.22	68,68,68,68	0
59	MG	1a	3314	1/1	0.87	0.10	53,53,53,53	0
59	MG	1A	3033	1/1	0.87	0.26	57,57,57,57	0
59	MG	1a	3322	1/1	0.87	0.28	51,51,51,51	0
59	MG	1A	3774	1/1	0.87	0.10	52,52,52,52	0
59	MG	1A	3896	1/1	0.87	0.15	54,54,54,54	0
59	MG	1a	3327	1/1	0.87	0.22	60,60,60,60	0
59	MG	2A	3441	1/1	0.87	0.11	29,29,29,29	0
59	MG	1A	4052	1/1	0.87	0.16	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3686	1/1	0.87	0.10	48,48,48,48	0
59	MG	1a	3331	1/1	0.87	0.39	60,60,60,60	0
59	MG	2A	3232	1/1	0.87	0.17	63,63,63,63	0
59	MG	2a	3027	1/1	0.87	0.34	63,63,63,63	0
59	MG	2a	3031	1/1	0.87	0.19	57,57,57,57	0
59	MG	1A	3360	1/1	0.87	0.11	42,42,42,42	0
59	MG	2A	3235	1/1	0.87	0.29	62,62,62,62	0
59	MG	2A	3236	1/1	0.87	0.32	57,57,57,57	0
59	MG	2A	3718	1/1	0.87	0.10	52,52,52,52	0
59	MG	2x	102	1/1	0.87	0.17	64,64,64,64	0
59	MG	2A	3239	1/1	0.87	0.19	61,61,61,61	0
59	MG	2A	3468	1/1	0.87	0.09	32,32,32,32	0
59	MG	1A	3367	1/1	0.87	0.14	59,59,59,59	0
59	MG	2A	3473	1/1	0.87	0.20	63,63,63,63	0
59	MG	2a	3059	1/1	0.87	0.11	53,53,53,53	0
59	MG	2A	3738	1/1	0.87	0.18	60,60,60,60	0
59	MG	1a	3427	1/1	0.87	0.15	64,64,64,64	0
59	MG	1a	3476	1/1	0.88	0.09	55,55,55,55	0
59	MG	1a	3477	1/1	0.88	0.16	67,67,67,67	0
59	MG	2a	3058	1/1	0.88	0.24	70,70,70,70	0
59	MG	1a	3359	1/1	0.88	0.21	66,66,66,66	0
59	MG	2A	3477	1/1	0.88	0.19	57,57,57,57	0
59	MG	1A	4060	1/1	0.88	0.15	27,27,27,27	0
59	MG	2A	3481	1/1	0.88	0.11	37,37,37,37	0
59	MG	2a	3067	1/1	0.88	0.15	56,56,56,56	0
59	MG	1a	3487	1/1	0.88	0.21	62,62,62,62	0
59	MG	1A	3378	1/1	0.88	0.26	62,62,62,62	0
59	MG	1A	3893	1/1	0.88	0.19	39,39,39,39	0
59	MG	1A	3895	1/1	0.88	0.10	39,39,39,39	0
59	MG	1A	3177	1/1	0.88	0.17	47,47,47,47	0
59	MG	2A	3751	1/1	0.88	0.19	50,50,50,50	0
59	MG	1A	3321	1/1	0.88	0.12	49,49,49,49	0
59	MG	1A	3537	1/1	0.88	0.12	49,49,49,49	0
59	MG	1A	3787	1/1	0.88	0.12	49,49,49,49	0
59	MG	2A	3270	1/1	0.88	0.14	62,62,62,62	0
59	MG	1A	4078	1/1	0.88	0.08	58,58,58,58	0
59	MG	1B	235	1/1	0.88	0.11	63,63,63,63	0
59	MG	1a	3374	1/1	0.88	0.21	53,53,53,53	0
59	MG	1A	3654	1/1	0.88	0.13	54,54,54,54	0
59	MG	1D	310	1/1	0.88	0.16	43,43,43,43	0
59	MG	2A	3533	1/1	0.88	0.11	55,55,55,55	0
59	MG	2A	3773	1/1	0.88	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
59	MG	1A	3325	1/1	0.88	0.22	31,31,31,31	0
59	MG	1A	3462	1/1	0.88	0.09	50,50,50,50	0
59	MG	1A	4098	1/1	0.88	0.12	37,37,37,37	0
59	MG	2A	3128	1/1	0.88	0.14	50,50,50,50	0
59	MG	2A	3779	1/1	0.88	0.13	67,67,67,67	0
59	MG	1F	302	1/1	0.88	0.19	50,50,50,50	0
59	MG	1A	3918	1/1	0.88	0.09	27,27,27,27	0
59	MG	1A	3561	1/1	0.88	0.14	48,48,48,48	0
59	MG	1A	3143	1/1	0.88	0.25	56,56,56,56	0
59	MG	2A	3293	1/1	0.88	0.20	55,55,55,55	0
59	MG	1A	3693	1/1	0.88	0.12	13,13,13,13	0
59	MG	2a	3135	1/1	0.88	0.16	60,60,60,60	0
59	MG	2A	3147	1/1	0.88	0.21	53,53,53,53	0
59	MG	2A	3298	1/1	0.88	0.25	41,41,41,41	0
59	MG	2A	3300	1/1	0.88	0.23	46,46,46,46	0
59	MG	1A	3573	1/1	0.88	0.10	32,32,32,32	0
59	MG	1A	3812	1/1	0.88	0.15	57,57,57,57	0
59	MG	1Q	204	1/1	0.88	0.12	46,46,46,46	0
59	MG	2A	3565	1/1	0.88	0.15	49,49,49,49	0
59	MG	2A	3310	1/1	0.88	0.19	53,53,53,53	0
59	MG	2a	3174	1/1	0.88	0.15	74,74,74,74	0
59	MG	1A	3340	1/1	0.88	0.32	46,46,46,46	0
59	MG	2A	3814	1/1	0.88	0.10	44,44,44,44	0
59	MG	2A	3822	1/1	0.88	0.09	33,33,33,33	0
59	MG	1A	3982	1/1	0.88	0.12	57,57,57,57	0
59	MG	2A	3314	1/1	0.88	0.32	60,60,60,60	0
59	MG	1A	3188	1/1	0.88	0.23	37,37,37,37	0
59	MG	2A	3168	1/1	0.88	0.12	59,59,59,59	0
59	MG	1n	503	1/1	0.88	0.15	49,49,49,49	0
59	MG	2A	3327	1/1	0.88	0.23	62,62,62,62	0
59	MG	2a	3188	1/1	0.88	0.11	64,64,64,64	0
59	MG	1A	3594	1/1	0.88	0.08	15,15,15,15	0
59	MG	2a	3196	1/1	0.88	0.14	63,63,63,63	0
59	MG	2A	3332	1/1	0.88	0.40	64,64,64,64	0
59	MG	2A	3171	1/1	0.88	0.09	44,44,44,44	0
59	MG	2A	3172	1/1	0.88	0.16	54,54,54,54	0
59	MG	1A	4131	1/1	0.88	0.15	40,40,40,40	0
59	MG	1w	104	1/1	0.88	0.13	66,66,66,66	0
59	MG	2A	3600	1/1	0.88	0.15	55,55,55,55	0
59	MG	11	101	1/1	0.88	0.14	45,45,45,45	0
59	MG	16	104	1/1	0.88	0.22	43,43,43,43	0
59	MG	2A	3185	1/1	0.88	0.12	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1w	110	1/1	0.88	0.13	81,81,81,81	0
59	MG	2A	3361	1/1	0.88	0.10	66,66,66,66	0
59	MG	1A	3415	1/1	0.88	0.17	45,45,45,45	0
59	MG	1A	3839	1/1	0.88	0.26	25,25,25,25	0
59	MG	2A	3367	1/1	0.88	0.16	52,52,52,52	0
59	MG	1A	3843	1/1	0.88	0.14	19,19,19,19	0
59	MG	2A	3194	1/1	0.88	0.32	38,38,38,38	0
59	MG	2O	8002	1/1	0.88	0.13	48,48,48,48	0
59	MG	2Q	3002	1/1	0.88	0.24	48,48,48,48	0
59	MG	1x	109	1/1	0.88	0.11	68,68,68,68	0
59	MG	2A	3202	1/1	0.88	0.13	51,51,51,51	0
59	MG	2A	3204	1/1	0.88	0.23	58,58,58,58	0
59	MG	2A	3205	1/1	0.88	0.36	73,73,73,73	0
59	MG	2A	3207	1/1	0.88	0.08	56,56,56,56	0
59	MG	1A	3291	1/1	0.88	0.11	43,43,43,43	0
59	MG	1A	3849	1/1	0.88	0.13	54,54,54,54	0
59	MG	2O	3001	1/1	0.88	0.23	66,66,66,66	0
59	MG	1A	4148	1/1	0.88	0.26	60,60,60,60	0
59	MG	1A	3155	1/1	0.88	0.14	61,61,61,61	0
59	MG	1A	3201	1/1	0.88	0.16	55,55,55,55	0
59	MG	2q	203	1/1	0.88	0.17	53,53,53,53	0
59	MG	1A	3081	1/1	0.88	0.23	51,51,51,51	0
59	MG	1A	4187	1/1	0.88	0.18	47,47,47,47	0
59	MG	2A	3667	1/1	0.88	0.16	47,47,47,47	0
59	MG	1a	3335	1/1	0.88	0.17	57,57,57,57	0
59	MG	2A	3671	1/1	0.88	0.17	66,66,66,66	0
59	MG	2a	3014	1/1	0.88	0.19	57,57,57,57	0
59	MG	2A	3674	1/1	0.88	0.28	61,61,61,61	0
59	MG	1A	4190	1/1	0.88	0.30	42,42,42,42	0
59	MG	1A	3368	1/1	0.88	0.12	39,39,39,39	0
59	MG	1A	4210	1/1	0.88	0.18	30,30,30,30	0
59	MG	2a	3030	1/1	0.88	0.21	60,60,60,60	0
59	MG	1a	3460	1/1	0.88	0.17	58,58,58,58	0
59	MG	1A	4045	1/1	0.88	0.11	53,53,53,53	0
59	MG	2A	3706	1/1	0.88	0.08	70,70,70,70	0
59	MG	1A	4048	1/1	0.88	0.07	33,33,33,33	0
59	MG	2a	3038	1/1	0.88	0.19	78,78,78,78	0
59	MG	2A	3242	1/1	0.88	0.19	56,56,56,56	0
59	MG	2y	3004	1/1	0.88	0.10	66,66,66,66	0
59	MG	1A	3876	1/1	0.88	0.14	60,60,60,60	0
59	MG	2A	3722	1/1	0.88	0.12	72,72,72,72	0
59	MG	2A	3639	1/1	0.89	0.08	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1a	3542	1/1	0.89	0.12	53,53,53,53	0
59	MG	1A	3485	1/1	0.89	0.24	41,41,41,41	0
59	MG	1A	3794	1/1	0.89	0.09	57,57,57,57	0
59	MG	1A	4221	1/1	0.89	0.26	31,31,31,31	0
59	MG	2a	3028	1/1	0.89	0.22	64,64,64,64	0
59	MG	1A	3631	1/1	0.89	0.16	16,16,16,16	0
59	MG	1A	3326	1/1	0.89	0.10	49,49,49,49	0
59	MG	2a	3033	1/1	0.89	0.16	56,56,56,56	0
59	MG	2a	3034	1/1	0.89	0.21	53,53,53,53	0
59	MG	1B	214	1/1	0.89	0.09	55,55,55,55	0
59	MG	1a	3556	1/1	0.89	0.09	46,46,46,46	0
59	MG	2A	3176	1/1	0.89	0.13	44,44,44,44	0
59	MG	2A	3177	1/1	0.89	0.19	63,63,63,63	0
59	MG	2a	3040	1/1	0.89	0.23	47,47,47,47	0
59	MG	2a	3042	1/1	0.89	0.08	70,70,70,70	0
59	MG	2A	3391	1/1	0.89	0.10	41,41,41,41	0
59	MG	1A	3330	1/1	0.89	0.30	36,36,36,36	0
59	MG	1A	3642	1/1	0.89	0.11	56,56,56,56	0
59	MG	1A	3399	1/1	0.89	0.29	67,67,67,67	0
59	MG	2A	3181	1/1	0.89	0.22	57,57,57,57	0
59	MG	2A	3702	1/1	0.89	0.10	64,64,64,64	0
59	MG	1A	3400	1/1	0.89	0.12	51,51,51,51	0
59	MG	2a	3063	1/1	0.89	0.18	55,55,55,55	0
59	MG	1A	3331	1/1	0.89	0.11	41,41,41,41	0
59	MG	1A	3649	1/1	0.89	0.11	55,55,55,55	0
59	MG	2A	3717	1/1	0.89	0.09	63,63,63,63	0
59	MG	1A	3409	1/1	0.89	0.15	51,51,51,51	0
59	MG	2A	3434	1/1	0.89	0.09	24,24,24,24	0
59	MG	1A	4037	1/1	0.89	0.09	40,40,40,40	0
59	MG	2a	3078	1/1	0.89	0.20	70,70,70,70	0
59	MG	2a	3079	1/1	0.89	0.28	67,67,67,67	0
59	MG	1e	3001	1/1	0.89	0.11	67,67,67,67	0
59	MG	1a	3386	1/1	0.89	0.24	50,50,50,50	0
59	MG	2A	3199	1/1	0.89	0.12	54,54,54,54	0
59	MG	2A	3735	1/1	0.89	0.19	62,62,62,62	0
59	MG	2A	3737	1/1	0.89	0.12	47,47,47,47	0
59	MG	2A	3451	1/1	0.89	0.11	46,46,46,46	0
59	MG	1l	202	1/1	0.89	0.11	82,82,82,82	0
59	MG	2A	3740	1/1	0.89	0.10	48,48,48,48	0
59	MG	1A	3332	1/1	0.89	0.20	35,35,35,35	0
59	MG	1A	3833	1/1	0.89	0.08	36,36,36,36	0
59	MG	2a	3095	1/1	0.89	0.10	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	3655	1/1	0.89	0.14	42,42,42,42	0
59	MG	1A	4057	1/1	0.89	0.12	50,50,50,50	0
59	MG	1w	102	1/1	0.89	0.16	63,63,63,63	0
59	MG	2A	3470	1/1	0.89	0.16	53,53,53,53	0
59	MG	2A	3752	1/1	0.89	0.10	61,61,61,61	0
59	MG	1A	3227	1/1	0.89	0.17	50,50,50,50	0
59	MG	2A	3757	1/1	0.89	0.18	54,54,54,54	0
59	MG	2a	3109	1/1	0.89	0.23	55,55,55,55	0
59	MG	1A	3842	1/1	0.89	0.10	15,15,15,15	0
59	MG	2a	3111	1/1	0.89	0.22	54,54,54,54	0
59	MG	1A	3657	1/1	0.89	0.17	67,67,67,67	0
59	MG	1E	308	1/1	0.89	0.24	59,59,59,59	0
59	MG	1A	3044	1/1	0.89	0.11	45,45,45,45	0
59	MG	1A	3846	1/1	0.89	0.14	57,57,57,57	0
59	MG	2a	3119	1/1	0.89	0.22	68,68,68,68	0
59	MG	2A	3485	1/1	0.89	0.11	36,36,36,36	0
59	MG	1A	3341	1/1	0.89	0.10	45,45,45,45	0
59	MG	1a	3407	1/1	0.89	0.11	36,36,36,36	0
59	MG	1x	110	1/1	0.89	0.14	59,59,59,59	0
59	MG	1A	3677	1/1	0.89	0.09	10,10,10,10	0
59	MG	2A	3498	1/1	0.89	0.09	45,45,45,45	0
59	MG	1A	3533	1/1	0.89	0.10	51,51,51,51	0
59	MG	1A	3690	1/1	0.89	0.12	14,14,14,14	0
59	MG	2a	3157	1/1	0.89	0.10	77,77,77,77	0
59	MG	1a	3413	1/1	0.89	0.22	54,54,54,54	0
59	MG	1A	3077	1/1	0.89	0.14	42,42,42,42	0
59	MG	1A	3544	1/1	0.89	0.09	44,44,44,44	0
59	MG	1A	3883	1/1	0.89	0.12	52,52,52,52	0
59	MG	1A	3889	1/1	0.89	0.06	22,22,22,22	0
59	MG	2A	3788	1/1	0.89	0.12	57,57,57,57	0
59	MG	1A	4102	1/1	0.89	0.14	50,50,50,50	0
59	MG	1A	3109	1/1	0.89	0.18	46,46,46,46	0
59	MG	2A	3021	1/1	0.89	0.16	54,54,54,54	0
59	MG	1A	3711	1/1	0.89	0.11	34,34,34,34	0
59	MG	1A	3022	1/1	0.89	0.13	39,39,39,39	0
59	MG	10	106	1/1	0.89	0.22	63,63,63,63	0
59	MG	1A	3730	1/1	0.89	0.09	33,33,33,33	0
59	MG	1a	3428	1/1	0.89	0.23	56,56,56,56	0
59	MG	2A	3053	1/1	0.89	0.26	61,61,61,61	0
59	MG	2A	3060	1/1	0.89	0.21	63,63,63,63	0
59	MG	2A	3806	1/1	0.89	0.11	54,54,54,54	0
59	MG	2A	3065	1/1	0.89	0.12	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1l	103	1/1	0.89	0.16	70,70,70,70	0
59	MG	1A	3353	1/1	0.89	0.20	51,51,51,51	0
59	MG	2a	3203	1/1	0.89	0.17	57,57,57,57	0
59	MG	1A	3308	1/1	0.89	0.16	53,53,53,53	0
59	MG	2A	3829	1/1	0.89	0.16	60,60,60,60	0
59	MG	1a	3302	1/1	0.89	0.23	53,53,53,53	0
59	MG	2A	3077	1/1	0.89	0.14	46,46,46,46	0
59	MG	1a	3441	1/1	0.89	0.10	53,53,53,53	0
59	MG	1a	3443	1/1	0.89	0.26	49,49,49,49	0
59	MG	1a	3304	1/1	0.89	0.18	58,58,58,58	0
59	MG	1A	3082	1/1	0.89	0.17	48,48,48,48	0
59	MG	2B	3006	1/1	0.89	0.26	66,66,66,66	0
59	MG	1A	3263	1/1	0.89	0.11	45,45,45,45	0
59	MG	1A	3377	1/1	0.89	0.09	62,62,62,62	0
59	MG	2A	3568	1/1	0.89	0.12	74,74,74,74	0
59	MG	1A	3584	1/1	0.89	0.11	33,33,33,33	0
59	MG	1A	3767	1/1	0.89	0.12	53,53,53,53	0
59	MG	2A	3294	1/1	0.89	0.19	47,47,47,47	0
59	MG	2a	3223	1/1	0.89	0.21	69,69,69,69	0
59	MG	1A	3921	1/1	0.89	0.11	37,37,37,37	0
59	MG	1A	3924	1/1	0.89	0.14	22,22,22,22	0
59	MG	2a	3234	1/1	0.89	0.20	62,62,62,62	0
59	MG	1A	3769	1/1	0.89	0.16	48,48,48,48	0
59	MG	2A	3299	1/1	0.89	0.23	41,41,41,41	0
59	MG	1A	3021	1/1	0.89	0.23	67,67,67,67	0
59	MG	1A	3949	1/1	0.89	0.12	52,52,52,52	0
59	MG	2D	305	1/1	0.89	0.30	44,44,44,44	0
59	MG	1A	3952	1/1	0.89	0.11	48,48,48,48	0
59	MG	2A	3111	1/1	0.89	0.12	60,60,60,60	0
59	MG	1a	3344	1/1	0.89	0.20	56,56,56,56	0
59	MG	2A	3122	1/1	0.89	0.38	67,67,67,67	0
59	MG	1A	4155	1/1	0.89	0.11	54,54,54,54	0
59	MG	2A	3127	1/1	0.89	0.36	57,57,57,57	0
59	MG	1a	3346	1/1	0.89	0.28	57,57,57,57	0
59	MG	2A	3318	1/1	0.89	0.27	53,53,53,53	0
59	MG	2R	201	1/1	0.89	0.13	63,63,63,63	0
59	MG	2A	3607	1/1	0.89	0.10	30,30,30,30	0
59	MG	1a	3495	1/1	0.89	0.13	63,63,63,63	0
59	MG	1A	3596	1/1	0.89	0.09	54,54,54,54	0
59	MG	1A	4176	1/1	0.89	0.14	15,15,15,15	0
59	MG	1A	3603	1/1	0.89	0.09	39,39,39,39	0
59	MG	1A	3468	1/1	0.89	0.35	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3623	1/1	0.89	0.11	51,51,51,51	0
59	MG	1a	3514	1/1	0.89	0.10	50,50,50,50	0
59	MG	1a	3525	1/1	0.89	0.11	76,76,76,76	0
59	MG	2A	3343	1/1	0.89	0.24	60,60,60,60	0
59	MG	1A	3269	1/1	0.89	0.33	27,27,27,27	0
59	MG	2A	3153	1/1	0.89	0.13	57,57,57,57	0
59	MG	1A	3392	1/1	0.89	0.09	52,52,52,52	0
59	MG	2A	3159	1/1	0.89	0.26	62,62,62,62	0
59	MG	2a	3011	1/1	0.89	0.22	53,53,53,53	0
59	MG	2a	3012	1/1	0.89	0.16	63,63,63,63	0
59	MG	1a	3539	1/1	0.89	0.14	50,50,50,50	0
59	MG	2A	3226	1/1	0.90	0.09	53,53,53,53	0
59	MG	2a	3024	1/1	0.90	0.26	59,59,59,59	0
59	MG	1A	3626	1/1	0.90	0.10	24,24,24,24	0
59	MG	1A	3426	1/1	0.90	0.14	46,46,46,46	0
59	MG	2A	3436	1/1	0.90	0.08	28,28,28,28	0
59	MG	2A	3682	1/1	0.90	0.10	56,56,56,56	0
59	MG	2A	3684	1/1	0.90	0.07	33,33,33,33	0
59	MG	2A	3685	1/1	0.90	0.11	62,62,62,62	0
59	MG	2A	3069	1/1	0.90	0.26	45,45,45,45	0
59	MG	2A	3234	1/1	0.90	0.30	64,64,64,64	0
59	MG	2A	3445	1/1	0.90	0.12	42,42,42,42	0
59	MG	2A	3446	1/1	0.90	0.12	44,44,44,44	0
59	MG	2A	3072	1/1	0.90	0.11	42,42,42,42	0
59	MG	2a	3041	1/1	0.90	0.16	63,63,63,63	0
59	MG	1A	3427	1/1	0.90	0.18	43,43,43,43	0
59	MG	2A	3237	1/1	0.90	0.11	59,59,59,59	0
59	MG	1a	3510	1/1	0.90	0.12	53,53,53,53	0
59	MG	1A	4124	1/1	0.90	0.10	56,56,56,56	0
59	MG	2a	3047	1/1	0.90	0.20	60,60,60,60	0
59	MG	2A	3241	1/1	0.90	0.20	66,66,66,66	0
59	MG	1G	3004	1/1	0.90	0.09	40,40,40,40	0
59	MG	2a	3057	1/1	0.90	0.20	60,60,60,60	0
59	MG	1I	3001	1/1	0.90	0.11	62,62,62,62	0
59	MG	2A	3466	1/1	0.90	0.20	55,55,55,55	0
59	MG	2A	3728	1/1	0.90	0.09	24,24,24,24	0
59	MG	2A	3082	1/1	0.90	0.12	44,44,44,44	0
59	MG	2A	3732	1/1	0.90	0.11	47,47,47,47	0
59	MG	1A	3989	1/1	0.90	0.12	49,49,49,49	0
59	MG	1O	3003	1/1	0.90	0.14	54,54,54,54	0
59	MG	1A	3510	1/1	0.90	0.16	41,41,41,41	0
59	MG	1A	3376	1/1	0.90	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
59	MG	1A	3752	1/1	0.90	0.08	27,27,27,27	0
59	MG	1A	3289	1/1	0.90	0.34	29,29,29,29	0
59	MG	2A	3741	1/1	0.90	0.13	60,60,60,60	0
59	MG	1A	3438	1/1	0.90	0.12	57,57,57,57	0
59	MG	1A	3643	1/1	0.90	0.10	42,42,42,42	0
59	MG	2a	3084	1/1	0.90	0.10	71,71,71,71	0
59	MG	2A	3261	1/1	0.90	0.05	59,59,59,59	0
59	MG	2A	3487	1/1	0.90	0.11	48,48,48,48	0
59	MG	1T	8002	1/1	0.90	0.15	51,51,51,51	0
59	MG	1A	3071	1/1	0.90	0.37	34,34,34,34	0
59	MG	2a	3090	1/1	0.90	0.12	65,65,65,65	0
59	MG	1A	3380	1/1	0.90	0.09	33,33,33,33	0
59	MG	2A	3754	1/1	0.90	0.21	64,64,64,64	0
59	MG	2A	3266	1/1	0.90	0.09	42,42,42,42	0
59	MG	1A	3255	1/1	0.90	0.15	54,54,54,54	0
59	MG	1a	3558	1/1	0.90	0.12	63,63,63,63	0
59	MG	2A	3511	1/1	0.90	0.17	50,50,50,50	0
59	MG	1A	4162	1/1	0.90	0.12	54,54,54,54	0
59	MG	1a	3408	1/1	0.90	0.47	60,60,60,60	0
59	MG	1A	3296	1/1	0.90	0.09	55,55,55,55	0
59	MG	2A	3766	1/1	0.90	0.09	53,53,53,53	0
59	MG	2A	3521	1/1	0.90	0.13	42,42,42,42	0
59	MG	1A	3187	1/1	0.90	0.09	39,39,39,39	0
59	MG	1a	3571	1/1	0.90	0.11	57,57,57,57	0
59	MG	1A	3455	1/1	0.90	0.17	51,51,51,51	0
59	MG	1a	3575	1/1	0.90	0.22	55,55,55,55	0
59	MG	2A	3141	1/1	0.90	0.12	38,38,38,38	0
59	MG	17	101	1/1	0.90	0.13	49,49,49,49	0
59	MG	2a	3117	1/1	0.90	0.25	53,53,53,53	0
59	MG	1A	3305	1/1	0.90	0.11	50,50,50,50	0
59	MG	1d	502	1/1	0.90	0.27	52,52,52,52	0
59	MG	1A	3560	1/1	0.90	0.12	45,45,45,45	0
59	MG	2a	3126	1/1	0.90	0.08	59,59,59,59	0
59	MG	2A	3780	1/1	0.90	0.21	62,62,62,62	0
59	MG	1A	4188	1/1	0.90	0.26	55,55,55,55	0
59	MG	1A	3306	1/1	0.90	0.22	47,47,47,47	0
59	MG	1A	4061	1/1	0.90	0.13	40,40,40,40	0
59	MG	2A	3786	1/1	0.90	0.20	55,55,55,55	0
59	MG	2a	3141	1/1	0.90	0.16	56,56,56,56	0
59	MG	2A	3546	1/1	0.90	0.16	60,60,60,60	0
59	MG	2a	3150	1/1	0.90	0.09	57,57,57,57	0
59	MG	2a	3151	1/1	0.90	0.09	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	3666	1/1	0.90	0.11	49,49,49,49	0
59	MG	1p	101	1/1	0.90	0.15	48,48,48,48	0
59	MG	1A	3076	1/1	0.90	0.16	30,30,30,30	0
59	MG	1A	4229	1/1	0.90	0.10	24,24,24,24	0
59	MG	2A	3303	1/1	0.90	0.12	50,50,50,50	0
59	MG	2A	3164	1/1	0.90	0.23	56,56,56,56	0
59	MG	1A	3019	1/1	0.90	0.16	33,33,33,33	0
59	MG	2A	3308	1/1	0.90	0.19	50,50,50,50	0
59	MG	1B	209	1/1	0.90	0.20	58,58,58,58	0
59	MG	2a	3177	1/1	0.90	0.12	58,58,58,58	0
59	MG	1a	3329	1/1	0.90	0.36	64,64,64,64	0
59	MG	2A	3311	1/1	0.90	0.19	44,44,44,44	0
59	MG	1A	3808	1/1	0.90	0.21	33,33,33,33	0
59	MG	2A	3567	1/1	0.90	0.12	63,63,63,63	0
59	MG	1a	3430	1/1	0.90	0.15	69,69,69,69	0
59	MG	2A	3816	1/1	0.90	0.11	43,43,43,43	0
59	MG	1B	213	1/1	0.90	0.15	43,43,43,43	0
59	MG	2A	3828	1/1	0.90	0.10	60,60,60,60	0
59	MG	1A	3474	1/1	0.90	0.18	55,55,55,55	0
59	MG	1a	3438	1/1	0.90	0.21	55,55,55,55	0
59	MG	2a	3195	1/1	0.90	0.14	54,54,54,54	0
59	MG	2A	3579	1/1	0.90	0.15	32,32,32,32	0
59	MG	2A	3581	1/1	0.90	0.07	51,51,51,51	0
59	MG	2A	3843	1/1	0.90	0.08	63,63,63,63	0
59	MG	2a	3202	1/1	0.90	0.22	67,67,67,67	0
59	MG	2A	3320	1/1	0.90	0.24	59,59,59,59	0
59	MG	1A	3051	1/1	0.90	0.21	49,49,49,49	0
59	MG	2A	3846	1/1	0.90	0.13	38,38,38,38	0
59	MG	1B	218	1/1	0.90	0.14	36,36,36,36	0
59	MG	1A	3482	1/1	0.90	0.13	42,42,42,42	0
59	MG	1A	3585	1/1	0.90	0.08	33,33,33,33	0
59	MG	1a	3454	1/1	0.90	0.09	46,46,46,46	0
59	MG	2A	3590	1/1	0.90	0.10	35,35,35,35	0
59	MG	2A	3591	1/1	0.90	0.20	63,63,63,63	0
59	MG	1A	3930	1/1	0.90	0.13	71,71,71,71	0
59	MG	2A	3186	1/1	0.90	0.24	64,64,64,64	0
59	MG	2A	3340	1/1	0.90	0.26	59,59,59,59	0
59	MG	2A	3598	1/1	0.90	0.11	63,63,63,63	0
59	MG	2A	3341	1/1	0.90	0.29	53,53,53,53	0
59	MG	1x	117	1/1	0.90	0.10	63,63,63,63	0
59	MG	1A	3821	1/1	0.90	0.07	21,21,21,21	0
59	MG	2A	3602	1/1	0.90	0.11	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	4086	1/1	0.90	0.09	33,33,33,33	0
59	MG	2a	3228	1/1	0.90	0.19	56,56,56,56	0
59	MG	2E	301	1/1	0.90	0.14	66,66,66,66	0
59	MG	2A	3192	1/1	0.90	0.14	46,46,46,46	0
59	MG	2E	306	1/1	0.90	0.11	29,29,29,29	0
59	MG	1A	4091	1/1	0.90	0.13	42,42,42,42	0
59	MG	1A	3276	1/1	0.90	0.11	52,52,52,52	0
59	MG	2A	3352	1/1	0.90	0.09	64,64,64,64	0
59	MG	1A	3278	1/1	0.90	0.30	62,62,62,62	0
59	MG	2A	3618	1/1	0.90	0.32	36,36,36,36	0
59	MG	1A	3106	1/1	0.90	0.21	33,33,33,33	0
59	MG	1A	3494	1/1	0.90	0.18	49,49,49,49	0
59	MG	1A	3959	1/1	0.90	0.12	55,55,55,55	0
59	MG	2A	3025	1/1	0.90	0.07	42,42,42,42	0
59	MG	1A	3837	1/1	0.90	0.16	48,48,48,48	0
59	MG	2A	3375	1/1	0.90	0.09	45,45,45,45	0
59	MG	2r	3001	1/1	0.90	0.19	77,77,77,77	0
59	MG	2T	202	1/1	0.90	0.17	61,61,61,61	0
59	MG	2A	3208	1/1	0.90	0.13	71,71,71,71	0
59	MG	2A	3032	1/1	0.90	0.26	54,54,54,54	0
59	MG	2A	3630	1/1	0.90	0.18	66,66,66,66	0
59	MG	2A	3210	1/1	0.90	0.15	62,62,62,62	0
59	MG	23	102	1/1	0.90	0.10	45,45,45,45	0
59	MG	2A	3388	1/1	0.90	0.16	60,60,60,60	0
59	MG	1A	3375	1/1	0.90	0.12	29,29,29,29	0
59	MG	2A	3214	1/1	0.90	0.12	58,58,58,58	0
59	MG	2A	3640	1/1	0.90	0.13	49,49,49,49	0
59	MG	2A	3641	1/1	0.90	0.15	75,75,75,75	0
59	MG	2A	3215	1/1	0.90	0.12	49,49,49,49	0
59	MG	1a	3367	1/1	0.90	0.23	53,53,53,53	0
59	MG	2A	3653	1/1	0.90	0.17	60,60,60,60	0
59	MG	2A	3405	1/1	0.90	0.10	65,65,65,65	0
59	MG	1A	3977	1/1	0.90	0.12	37,37,37,37	0
59	MG	1E	305	1/1	0.90	0.18	42,42,42,42	0
59	MG	1A	4116	1/1	0.90	0.10	50,50,50,50	0
59	MG	1a	3499	1/1	0.90	0.12	61,61,61,61	0
59	MG	1a	3360	1/1	0.91	0.10	45,45,45,45	0
59	MG	1a	3555	1/1	0.91	0.09	47,47,47,47	0
59	MG	2a	3007	1/1	0.91	0.21	66,66,66,66	0
59	MG	1A	3830	1/1	0.91	0.10	40,40,40,40	0
59	MG	1A	4193	1/1	0.91	0.08	14,14,14,14	0
59	MG	1A	3832	1/1	0.91	0.15	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	3674	1/1	0.91	0.08	14,14,14,14	0
59	MG	2A	3349	1/1	0.91	0.09	50,50,50,50	0
59	MG	2a	3015	1/1	0.91	0.10	66,66,66,66	0
59	MG	1a	3560	1/1	0.91	0.11	53,53,53,53	0
59	MG	1a	3561	1/1	0.91	0.11	62,62,62,62	0
59	MG	1A	4009	1/1	0.91	0.08	71,71,71,71	0
59	MG	2a	3022	1/1	0.91	0.16	62,62,62,62	0
59	MG	2a	3023	1/1	0.91	0.37	54,54,54,54	0
59	MG	2A	3358	1/1	0.91	0.24	56,56,56,56	0
59	MG	2A	3359	1/1	0.91	0.08	48,48,48,48	0
59	MG	1A	3209	1/1	0.91	0.15	41,41,41,41	0
59	MG	1B	201	1/1	0.91	0.14	44,44,44,44	0
59	MG	2A	3174	1/1	0.91	0.09	60,60,60,60	0
59	MG	2A	3666	1/1	0.91	0.10	62,62,62,62	0
59	MG	1a	3569	1/1	0.91	0.15	66,66,66,66	0
59	MG	1B	203	1/1	0.91	0.19	49,49,49,49	0
59	MG	1A	3214	1/1	0.91	0.15	46,46,46,46	0
59	MG	1B	208	1/1	0.91	0.23	63,63,63,63	0
59	MG	1A	4013	1/1	0.91	0.08	50,50,50,50	0
59	MG	2A	3680	1/1	0.91	0.15	55,55,55,55	0
59	MG	2A	3378	1/1	0.91	0.26	55,55,55,55	0
59	MG	1A	4014	1/1	0.91	0.08	65,65,65,65	0
59	MG	2A	3385	1/1	0.91	0.12	63,63,63,63	0
59	MG	2A	3182	1/1	0.91	0.17	61,61,61,61	0
59	MG	2A	3184	1/1	0.91	0.18	45,45,45,45	0
59	MG	1a	3377	1/1	0.91	0.26	61,61,61,61	0
59	MG	1A	4015	1/1	0.91	0.12	52,52,52,52	0
59	MG	2A	3695	1/1	0.91	0.10	53,53,53,53	0
59	MG	1f	3001	1/1	0.91	0.18	29,29,29,29	0
59	MG	1A	4018	1/1	0.91	0.09	47,47,47,47	0
59	MG	2A	3707	1/1	0.91	0.15	64,64,64,64	0
59	MG	1A	3680	1/1	0.91	0.12	53,53,53,53	0
59	MG	1A	4025	1/1	0.91	0.09	37,37,37,37	0
59	MG	1A	3358	1/1	0.91	0.25	49,49,49,49	0
59	MG	2A	3415	1/1	0.91	0.10	36,36,36,36	0
59	MG	1A	3481	1/1	0.91	0.09	38,38,38,38	0
59	MG	2A	3724	1/1	0.91	0.16	34,34,34,34	0
59	MG	1a	3389	1/1	0.91	0.14	48,48,48,48	0
59	MG	2a	3076	1/1	0.91	0.30	56,56,56,56	0
59	MG	1t	3001	1/1	0.91	0.12	43,43,43,43	0
59	MG	2A	3200	1/1	0.91	0.21	37,37,37,37	0
59	MG	2A	3201	1/1	0.91	0.24	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	4039	1/1	0.91	0.08	50,50,50,50	0
59	MG	2A	3203	1/1	0.91	0.28	61,61,61,61	0
59	MG	1A	4043	1/1	0.91	0.10	39,39,39,39	0
59	MG	1B	226	1/1	0.91	0.11	56,56,56,56	0
59	MG	2a	3086	1/1	0.91	0.25	60,60,60,60	0
59	MG	1A	3359	1/1	0.91	0.16	56,56,56,56	0
59	MG	1a	3398	1/1	0.91	0.25	58,58,58,58	0
59	MG	1A	3078	1/1	0.91	0.19	48,48,48,48	0
59	MG	1A	3586	1/1	0.91	0.13	49,49,49,49	0
59	MG	1A	4053	1/1	0.91	0.24	69,69,69,69	0
59	MG	2A	3212	1/1	0.91	0.10	49,49,49,49	0
59	MG	1x	102	1/1	0.91	0.30	59,59,59,59	0
59	MG	1A	4056	1/1	0.91	0.09	43,43,43,43	0
59	MG	1x	104	1/1	0.91	0.13	61,61,61,61	0
59	MG	2a	3099	1/1	0.91	0.22	48,48,48,48	0
59	MG	1A	3591	1/1	0.91	0.09	26,26,26,26	0
59	MG	2A	3469	1/1	0.91	0.21	60,60,60,60	0
59	MG	2a	3104	1/1	0.91	0.26	54,54,54,54	0
59	MG	2A	3219	1/1	0.91	0.08	54,54,54,54	0
59	MG	2A	3221	1/1	0.91	0.16	59,59,59,59	0
59	MG	2A	3472	1/1	0.91	0.20	50,50,50,50	0
59	MG	1A	3225	1/1	0.91	0.25	64,64,64,64	0
59	MG	1A	3595	1/1	0.91	0.08	18,18,18,18	0
59	MG	1A	3424	1/1	0.91	0.18	53,53,53,53	0
59	MG	2A	3478	1/1	0.91	0.16	56,56,56,56	0
59	MG	1A	4070	1/1	0.91	0.07	33,33,33,33	0
59	MG	1A	3490	1/1	0.91	0.23	58,58,58,58	0
59	MG	2A	3483	1/1	0.91	0.15	36,36,36,36	0
59	MG	1E	307	1/1	0.91	0.13	40,40,40,40	0
59	MG	1A	3491	1/1	0.91	0.11	47,47,47,47	0
59	MG	1A	3493	1/1	0.91	0.34	55,55,55,55	0
59	MG	1E	314	1/1	0.91	0.16	47,47,47,47	0
59	MG	2a	3124	1/1	0.91	0.12	62,62,62,62	0
59	MG	2a	3125	1/1	0.91	0.15	79,79,79,79	0
59	MG	1A	3623	1/1	0.91	0.09	15,15,15,15	0
59	MG	2a	3127	1/1	0.91	0.09	74,74,74,74	0
59	MG	1A	3753	1/1	0.91	0.09	25,25,25,25	0
59	MG	2A	3497	1/1	0.91	0.11	30,30,30,30	0
59	MG	2A	3777	1/1	0.91	0.10	55,55,55,55	0
59	MG	1A	3754	1/1	0.91	0.19	32,32,32,32	0
59	MG	1G	3002	1/1	0.91	0.15	53,53,53,53	0
59	MG	1A	3425	1/1	0.91	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
59	MG	2A	3023	1/1	0.91	0.07	35,35,35,35	0
59	MG	2A	3024	1/1	0.91	0.11	43,43,43,43	0
59	MG	1A	3898	1/1	0.91	0.12	49,49,49,49	0
59	MG	2A	3026	1/1	0.91	0.14	32,32,32,32	0
59	MG	2a	3154	1/1	0.91	0.14	42,42,42,42	0
59	MG	2a	3156	1/1	0.91	0.10	77,77,77,77	0
59	MG	2A	3787	1/1	0.91	0.11	58,58,58,58	0
59	MG	1A	3274	1/1	0.91	0.21	51,51,51,51	0
59	MG	2a	3159	1/1	0.91	0.17	62,62,62,62	0
59	MG	1A	3175	1/1	0.91	0.14	44,44,44,44	0
59	MG	2A	3525	1/1	0.91	0.14	55,55,55,55	0
59	MG	2A	3252	1/1	0.91	0.15	58,58,58,58	0
59	MG	2A	3033	1/1	0.91	0.16	58,58,58,58	0
59	MG	2A	3038	1/1	0.91	0.20	48,48,48,48	0
59	MG	2A	3256	1/1	0.91	0.24	53,53,53,53	0
59	MG	1A	3905	1/1	0.91	0.07	71,71,71,71	0
59	MG	2A	3797	1/1	0.91	0.11	49,49,49,49	0
59	MG	2A	3042	1/1	0.91	0.11	43,43,43,43	0
59	MG	1A	3770	1/1	0.91	0.10	40,40,40,40	0
59	MG	1A	3771	1/1	0.91	0.07	33,33,33,33	0
59	MG	1A	3505	1/1	0.91	0.10	51,51,51,51	0
59	MG	2A	3058	1/1	0.91	0.09	45,45,45,45	0
59	MG	1A	4103	1/1	0.91	0.10	42,42,42,42	0
59	MG	2A	3062	1/1	0.91	0.26	43,43,43,43	0
59	MG	1A	4104	1/1	0.91	0.14	53,53,53,53	0
59	MG	2a	3192	1/1	0.91	0.15	57,57,57,57	0
59	MG	1T	8001	1/1	0.91	0.12	43,43,43,43	0
59	MG	1A	3506	1/1	0.91	0.09	41,41,41,41	0
59	MG	1A	3913	1/1	0.91	0.11	21,21,21,21	0
59	MG	1A	3020	1/1	0.91	0.08	45,45,45,45	0
59	MG	1A	3328	1/1	0.91	0.27	27,27,27,27	0
59	MG	2a	3200	1/1	0.91	0.12	65,65,65,65	0
59	MG	1A	3228	1/1	0.91	0.17	56,56,56,56	0
59	MG	2A	3838	1/1	0.91	0.18	51,51,51,51	0
59	MG	10	107	1/1	0.91	0.13	38,38,38,38	0
59	MG	1A	3786	1/1	0.91	0.07	26,26,26,26	0
59	MG	2A	3560	1/1	0.91	0.07	61,61,61,61	0
59	MG	1A	3439	1/1	0.91	0.14	39,39,39,39	0
59	MG	2B	3001	1/1	0.91	0.27	53,53,53,53	0
59	MG	1a	3467	1/1	0.91	0.14	53,53,53,53	0
59	MG	2B	3004	1/1	0.91	0.07	53,53,53,53	0
59	MG	12	3001	1/1	0.91	0.08	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	3942	1/1	0.91	0.18	45,45,45,45	0
59	MG	1A	3286	1/1	0.91	0.15	64,64,64,64	0
59	MG	1A	3005	1/1	0.91	0.13	47,47,47,47	0
59	MG	19	101	1/1	0.91	0.14	46,46,46,46	0
59	MG	2B	3012	1/1	0.91	0.12	63,63,63,63	0
59	MG	2B	3014	1/1	0.91	0.18	67,67,67,67	0
59	MG	1A	3442	1/1	0.91	0.15	63,63,63,63	0
59	MG	1A	4126	1/1	0.91	0.10	53,53,53,53	0
59	MG	1A	3650	1/1	0.91	0.12	36,36,36,36	0
59	MG	1A	4129	1/1	0.91	0.10	55,55,55,55	0
59	MG	1A	3651	1/1	0.91	0.11	37,37,37,37	0
59	MG	2A	3301	1/1	0.91	0.26	41,41,41,41	0
59	MG	1A	3387	1/1	0.91	0.18	45,45,45,45	0
59	MG	2A	3305	1/1	0.91	0.18	52,52,52,52	0
59	MG	2a	3237	1/1	0.91	0.21	56,56,56,56	0
59	MG	2A	3109	1/1	0.91	0.12	43,43,43,43	0
59	MG	2d	502	1/1	0.91	0.17	59,59,59,59	0
59	MG	1A	3966	1/1	0.91	0.12	44,44,44,44	0
59	MG	2E	302	1/1	0.91	0.10	38,38,38,38	0
59	MG	1A	3968	1/1	0.91	0.08	27,27,27,27	0
59	MG	2E	304	1/1	0.91	0.18	59,59,59,59	0
59	MG	1A	3970	1/1	0.91	0.07	41,41,41,41	0
59	MG	1A	3535	1/1	0.91	0.14	37,37,37,37	0
59	MG	2A	3124	1/1	0.91	0.18	32,32,32,32	0
59	MG	2F	304	1/1	0.91	0.12	74,74,74,74	0
59	MG	1A	4147	1/1	0.91	0.13	50,50,50,50	0
59	MG	1A	3388	1/1	0.91	0.18	47,47,47,47	0
59	MG	1A	4151	1/1	0.91	0.10	45,45,45,45	0
59	MG	1A	3015	1/1	0.91	0.11	43,43,43,43	0
59	MG	2Q	3003	1/1	0.91	0.11	54,54,54,54	0
59	MG	2w	3001	1/1	0.91	0.20	56,56,56,56	0
59	MG	2A	3317	1/1	0.91	0.18	51,51,51,51	0
59	MG	1A	3153	1/1	0.91	0.27	25,25,25,25	0
59	MG	1A	3984	1/1	0.91	0.09	10,10,10,10	0
59	MG	1a	3537	1/1	0.91	0.09	46,46,46,46	0
59	MG	1A	3665	1/1	0.91	0.20	51,51,51,51	0
59	MG	2A	3326	1/1	0.91	0.15	46,46,46,46	0
59	MG	1A	3154	1/1	0.91	0.16	42,42,42,42	0
59	MG	1A	3197	1/1	0.91	0.23	32,32,32,32	0
59	MG	2A	3330	1/1	0.91	0.14	53,53,53,53	0
59	MG	1A	4184	1/1	0.91	0.14	31,31,31,31	0
59	MG	2A	3335	1/1	0.91	0.10	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1a	3355	1/1	0.91	0.21	51,51,51,51	0
59	MG	2A	3337	1/1	0.91	0.17	44,44,44,44	0
59	MG	2a	3001	1/1	0.91	0.08	52,52,52,52	0
59	MG	1A	3825	1/1	0.91	0.18	27,27,27,27	0
59	MG	2y	3006	1/1	0.91	0.08	89,89,89,89	0
59	MG	1A	3001	1/1	0.91	0.09	35,35,35,35	0
59	MG	1A	3351	1/1	0.92	0.11	31,31,31,31	0
59	MG	2A	3677	1/1	0.92	0.10	63,63,63,63	0
59	MG	2A	3412	1/1	0.92	0.09	40,40,40,40	0
59	MG	1A	3697	1/1	0.92	0.09	18,18,18,18	0
59	MG	2a	3025	1/1	0.92	0.28	52,52,52,52	0
59	MG	1Q	203	1/1	0.92	0.14	51,51,51,51	0
59	MG	1A	3480	1/1	0.92	0.10	40,40,40,40	0
59	MG	2a	3029	1/1	0.92	0.24	58,58,58,58	0
59	MG	1A	4128	1/1	0.92	0.12	53,53,53,53	0
59	MG	2A	3423	1/1	0.92	0.08	33,33,33,33	0
59	MG	1A	3261	1/1	0.92	0.13	48,48,48,48	0
59	MG	1A	3411	1/1	0.92	0.16	48,48,48,48	0
59	MG	2A	3692	1/1	0.92	0.09	40,40,40,40	0
59	MG	1A	4134	1/1	0.92	0.12	52,52,52,52	0
59	MG	1U	202	1/1	0.92	0.18	27,27,27,27	0
59	MG	1A	3216	1/1	0.92	0.13	36,36,36,36	0
59	MG	2A	3003	1/1	0.92	0.32	61,61,61,61	0
59	MG	1A	4007	1/1	0.92	0.14	54,54,54,54	0
59	MG	1Z	302	1/1	0.92	0.14	48,48,48,48	0
59	MG	2a	3043	1/1	0.92	0.24	66,66,66,66	0
59	MG	1a	3432	1/1	0.92	0.13	44,44,44,44	0
59	MG	1a	3433	1/1	0.92	0.40	61,61,61,61	0
59	MG	1a	3434	1/1	0.92	0.17	48,48,48,48	0
59	MG	1A	3307	1/1	0.92	0.12	50,50,50,50	0
59	MG	2a	3049	1/1	0.92	0.15	55,55,55,55	0
59	MG	1A	3416	1/1	0.92	0.14	52,52,52,52	0
59	MG	1A	3734	1/1	0.92	0.12	45,45,45,45	0
59	MG	2A	3028	1/1	0.92	0.14	25,25,25,25	0
59	MG	2A	3730	1/1	0.92	0.07	53,53,53,53	0
59	MG	1A	3264	1/1	0.92	0.09	56,56,56,56	0
59	MG	2a	3061	1/1	0.92	0.16	60,60,60,60	0
59	MG	2a	3062	1/1	0.92	0.10	54,54,54,54	0
59	MG	1A	3597	1/1	0.92	0.09	34,34,34,34	0
59	MG	1A	3742	1/1	0.92	0.07	29,29,29,29	0
59	MG	2A	3734	1/1	0.92	0.10	54,54,54,54	0
59	MG	2A	3037	1/1	0.92	0.21	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3736	1/1	0.92	0.16	58,58,58,58	0
59	MG	1a	3448	1/1	0.92	0.20	60,60,60,60	0
59	MG	13	3001	1/1	0.92	0.07	39,39,39,39	0
59	MG	1A	4153	1/1	0.92	0.08	49,49,49,49	0
59	MG	2a	3077	1/1	0.92	0.22	57,57,57,57	0
59	MG	1a	3458	1/1	0.92	0.12	51,51,51,51	0
59	MG	1A	3218	1/1	0.92	0.18	38,38,38,38	0
59	MG	1A	3222	1/1	0.92	0.09	38,38,38,38	0
59	MG	2A	3744	1/1	0.92	0.09	47,47,47,47	0
59	MG	1A	4168	1/1	0.92	0.08	36,36,36,36	0
59	MG	1A	3370	1/1	0.92	0.23	51,51,51,51	0
59	MG	1A	4175	1/1	0.92	0.12	36,36,36,36	0
59	MG	1A	3097	1/1	0.92	0.06	35,35,35,35	0
59	MG	1a	3475	1/1	0.92	0.16	48,48,48,48	0
59	MG	1A	3428	1/1	0.92	0.21	56,56,56,56	0
59	MG	1A	3053	1/1	0.92	0.17	44,44,44,44	0
59	MG	2A	3490	1/1	0.92	0.08	30,30,30,30	0
59	MG	1a	3317	1/1	0.92	0.07	41,41,41,41	0
59	MG	1A	3760	1/1	0.92	0.16	32,32,32,32	0
59	MG	2A	3493	1/1	0.92	0.07	29,29,29,29	0
59	MG	1a	3483	1/1	0.92	0.13	58,58,58,58	0
59	MG	2a	3097	1/1	0.92	0.14	48,48,48,48	0
59	MG	2A	3076	1/1	0.92	0.13	37,37,37,37	0
59	MG	1a	3484	1/1	0.92	0.12	41,41,41,41	0
59	MG	2A	3501	1/1	0.92	0.16	33,33,33,33	0
59	MG	1a	3324	1/1	0.92	0.19	57,57,57,57	0
59	MG	2a	3103	1/1	0.92	0.16	62,62,62,62	0
59	MG	1A	3125	1/1	0.92	0.24	32,32,32,32	0
59	MG	2A	3081	1/1	0.92	0.08	45,45,45,45	0
59	MG	2A	3513	1/1	0.92	0.12	67,67,67,67	0
59	MG	2A	3514	1/1	0.92	0.19	35,35,35,35	0
59	MG	1A	3436	1/1	0.92	0.34	34,34,34,34	0
59	MG	1A	3899	1/1	0.92	0.11	50,50,50,50	0
59	MG	2A	3518	1/1	0.92	0.18	51,51,51,51	0
59	MG	1A	4191	1/1	0.92	0.10	27,27,27,27	0
59	MG	1A	3277	1/1	0.92	0.10	48,48,48,48	0
59	MG	2A	3522	1/1	0.92	0.10	48,48,48,48	0
59	MG	2a	3114	1/1	0.92	0.34	59,59,59,59	0
59	MG	2A	3281	1/1	0.92	0.21	67,67,67,67	0
59	MG	2A	3283	1/1	0.92	0.11	60,60,60,60	0
59	MG	2A	3284	1/1	0.92	0.10	59,59,59,59	0
59	MG	1A	3511	1/1	0.92	0.22	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2a	3120	1/1	0.92	0.09	51,51,51,51	0
59	MG	2a	3121	1/1	0.92	0.25	61,61,61,61	0
59	MG	2A	3784	1/1	0.92	0.08	56,56,56,56	0
59	MG	2A	3785	1/1	0.92	0.11	53,53,53,53	0
59	MG	1A	3049	1/1	0.92	0.14	54,54,54,54	0
59	MG	1A	4059	1/1	0.92	0.18	57,57,57,57	0
59	MG	1a	3506	1/1	0.92	0.12	59,59,59,59	0
59	MG	1a	3337	1/1	0.92	0.30	55,55,55,55	0
59	MG	1a	3343	1/1	0.92	0.14	40,40,40,40	0
59	MG	1A	4228	1/1	0.92	0.28	34,34,34,34	0
59	MG	2A	3102	1/1	0.92	0.15	41,41,41,41	0
59	MG	2A	3104	1/1	0.92	0.15	52,52,52,52	0
59	MG	2A	3544	1/1	0.92	0.10	64,64,64,64	0
59	MG	1A	3381	1/1	0.92	0.15	41,41,41,41	0
59	MG	2a	3148	1/1	0.92	0.12	73,73,73,73	0
59	MG	1a	3519	1/1	0.92	0.18	65,65,65,65	0
59	MG	1A	3283	1/1	0.92	0.10	45,45,45,45	0
59	MG	1a	3531	1/1	0.92	0.07	49,49,49,49	0
59	MG	1A	3128	1/1	0.92	0.19	30,30,30,30	0
59	MG	1A	4066	1/1	0.92	0.10	47,47,47,47	0
59	MG	2A	3808	1/1	0.92	0.11	54,54,54,54	0
59	MG	2A	3554	1/1	0.92	0.18	62,62,62,62	0
59	MG	2A	3810	1/1	0.92	0.10	59,59,59,59	0
59	MG	2A	3812	1/1	0.92	0.09	72,72,72,72	0
59	MG	1A	4067	1/1	0.92	0.13	36,36,36,36	0
59	MG	2a	3164	1/1	0.92	0.08	75,75,75,75	0
59	MG	1A	3781	1/1	0.92	0.13	42,42,42,42	0
59	MG	2a	3169	1/1	0.92	0.15	51,51,51,51	0
59	MG	1a	3541	1/1	0.92	0.18	61,61,61,61	0
59	MG	2a	3173	1/1	0.92	0.18	61,61,61,61	0
59	MG	1A	3522	1/1	0.92	0.22	28,28,28,28	0
59	MG	1A	3915	1/1	0.92	0.08	24,24,24,24	0
59	MG	1A	3648	1/1	0.92	0.12	31,31,31,31	0
59	MG	1a	3546	1/1	0.92	0.16	46,46,46,46	0
59	MG	2A	3835	1/1	0.92	0.08	48,48,48,48	0
59	MG	1A	3523	1/1	0.92	0.10	37,37,37,37	0
59	MG	2A	3144	1/1	0.92	0.15	65,65,65,65	0
59	MG	1A	3443	1/1	0.92	0.23	49,49,49,49	0
59	MG	2A	3840	1/1	0.92	0.10	30,30,30,30	0
59	MG	1A	3789	1/1	0.92	0.11	56,56,56,56	0
59	MG	1a	3551	1/1	0.92	0.17	54,54,54,54	0
59	MG	2A	3570	1/1	0.92	0.09	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2a	3191	1/1	0.92	0.15	55,55,55,55	0
59	MG	2A	3571	1/1	0.92	0.13	68,68,68,68	0
59	MG	1A	3195	1/1	0.92	0.11	48,48,48,48	0
59	MG	1A	3936	1/1	0.92	0.08	19,19,19,19	0
59	MG	2A	3576	1/1	0.92	0.09	64,64,64,64	0
59	MG	2A	3152	1/1	0.92	0.19	48,48,48,48	0
59	MG	1B	223	1/1	0.92	0.15	45,45,45,45	0
59	MG	1A	4083	1/1	0.92	0.11	68,68,68,68	0
59	MG	2a	3201	1/1	0.92	0.20	46,46,46,46	0
59	MG	2B	3009	1/1	0.92	0.09	54,54,54,54	0
59	MG	1A	3796	1/1	0.92	0.13	45,45,45,45	0
59	MG	1A	3945	1/1	0.92	0.08	59,59,59,59	0
59	MG	1A	4089	1/1	0.92	0.15	42,42,42,42	0
59	MG	2B	3013	1/1	0.92	0.23	63,63,63,63	0
59	MG	1A	4090	1/1	0.92	0.13	34,34,34,34	0
59	MG	1A	3446	1/1	0.92	0.14	35,35,35,35	0
59	MG	2A	3166	1/1	0.92	0.25	56,56,56,56	0
59	MG	1A	4093	1/1	0.92	0.10	40,40,40,40	0
59	MG	2A	3593	1/1	0.92	0.09	37,37,37,37	0
59	MG	1B	234	1/1	0.92	0.11	54,54,54,54	0
59	MG	1A	3536	1/1	0.92	0.12	48,48,48,48	0
59	MG	2B	3021	1/1	0.92	0.23	68,68,68,68	0
59	MG	1a	3382	1/1	0.92	0.08	63,63,63,63	0
59	MG	1A	4096	1/1	0.92	0.30	26,26,26,26	0
59	MG	1B	238	1/1	0.92	0.08	30,30,30,30	0
59	MG	1A	3163	1/1	0.92	0.09	48,48,48,48	0
59	MG	1A	4099	1/1	0.92	0.10	50,50,50,50	0
59	MG	1b	3002	1/1	0.92	0.17	69,69,69,69	0
59	MG	2A	3603	1/1	0.92	0.11	49,49,49,49	0
59	MG	1A	3543	1/1	0.92	0.09	17,17,17,17	0
59	MG	2a	3232	1/1	0.92	0.19	60,60,60,60	0
59	MG	1a	3390	1/1	0.92	0.26	53,53,53,53	0
59	MG	1E	301	1/1	0.92	0.12	33,33,33,33	0
59	MG	1A	3105	1/1	0.92	0.12	30,30,30,30	0
59	MG	2A	3612	1/1	0.92	0.12	44,44,44,44	0
59	MG	1A	3661	1/1	0.92	0.08	36,36,36,36	0
59	MG	2A	3353	1/1	0.92	0.18	57,57,57,57	0
59	MG	2A	3183	1/1	0.92	0.24	52,52,52,52	0
59	MG	2A	3357	1/1	0.92	0.12	55,55,55,55	0
59	MG	2A	3621	1/1	0.92	0.11	57,57,57,57	0
59	MG	1A	3343	1/1	0.92	0.09	43,43,43,43	0
59	MG	2l	201	1/1	0.92	0.10	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1n	502	1/1	0.92	0.28	58,58,58,58	0
59	MG	1a	3397	1/1	0.92	0.13	60,60,60,60	0
59	MG	1A	4109	1/1	0.92	0.09	42,42,42,42	0
59	MG	2T	201	1/1	0.92	0.14	54,54,54,54	0
59	MG	2A	3364	1/1	0.92	0.13	63,63,63,63	0
59	MG	2A	3365	1/1	0.92	0.15	56,56,56,56	0
59	MG	1E	313	1/1	0.92	0.23	34,34,34,34	0
59	MG	2v	101	1/1	0.92	0.24	49,49,49,49	0
59	MG	1a	3400	1/1	0.92	0.19	54,54,54,54	0
59	MG	1A	3396	1/1	0.92	0.09	46,46,46,46	0
59	MG	2v	104	1/1	0.92	0.17	52,52,52,52	0
59	MG	2A	3370	1/1	0.92	0.07	54,54,54,54	0
59	MG	1A	3173	1/1	0.92	0.08	36,36,36,36	0
59	MG	1A	3464	1/1	0.92	0.16	51,51,51,51	0
59	MG	2A	3197	1/1	0.92	0.17	50,50,50,50	0
59	MG	1A	4113	1/1	0.92	0.07	35,35,35,35	0
59	MG	1A	3823	1/1	0.92	0.14	59,59,59,59	0
59	MG	2a	3004	1/1	0.92	0.23	56,56,56,56	0
59	MG	2A	3381	1/1	0.92	0.16	17,17,17,17	0
59	MG	1G	3003	1/1	0.92	0.06	56,56,56,56	0
59	MG	2A	3386	1/1	0.92	0.12	45,45,45,45	0
59	MG	1A	3211	1/1	0.92	0.22	47,47,47,47	0
59	MG	1A	3572	1/1	0.92	0.08	38,38,38,38	0
59	MG	1N	3006	1/1	0.92	0.19	41,41,41,41	0
59	MG	1A	3091	1/1	0.92	0.07	17,17,17,17	0
59	MG	1A	3574	1/1	0.92	0.15	52,52,52,52	0
59	MG	2A	3404	1/1	0.92	0.11	48,48,48,48	0
59	MG	1A	3406	1/1	0.92	0.10	50,50,50,50	0
59	MG	2A	3407	1/1	0.92	0.09	34,34,34,34	0
59	MG	1A	3074	1/1	0.93	0.40	28,28,28,28	0
59	MG	2A	3372	1/1	0.93	0.22	50,50,50,50	0
59	MG	2A	3648	1/1	0.93	0.14	60,60,60,60	0
59	MG	2A	3373	1/1	0.93	0.07	31,31,31,31	0
59	MG	1D	302	1/1	0.93	0.16	17,17,17,17	0
59	MG	1a	3387	1/1	0.93	0.24	40,40,40,40	0
59	MG	1A	3724	1/1	0.93	0.13	46,46,46,46	0
59	MG	2A	3655	1/1	0.93	0.07	62,62,62,62	0
59	MG	1A	3728	1/1	0.93	0.12	16,16,16,16	0
59	MG	2a	3020	1/1	0.93	0.20	61,61,61,61	0
59	MG	1A	3313	1/1	0.93	0.07	38,38,38,38	0
59	MG	1A	3174	1/1	0.93	0.08	23,23,23,23	0
59	MG	2A	3664	1/1	0.93	0.12	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1E	302	1/1	0.93	0.10	47,47,47,47	0
59	MG	1A	4088	1/1	0.93	0.11	42,42,42,42	0
59	MG	2A	3387	1/1	0.93	0.09	47,47,47,47	0
59	MG	1A	3469	1/1	0.93	0.21	33,33,33,33	0
59	MG	2A	3672	1/1	0.93	0.08	58,58,58,58	0
59	MG	1A	3317	1/1	0.93	0.27	32,32,32,32	0
59	MG	1A	3391	1/1	0.93	0.13	41,41,41,41	0
59	MG	1A	4092	1/1	0.93	0.13	45,45,45,45	0
59	MG	2A	3678	1/1	0.93	0.14	64,64,64,64	0
59	MG	2A	3190	1/1	0.93	0.12	37,37,37,37	0
59	MG	1A	3589	1/1	0.93	0.09	40,40,40,40	0
59	MG	1F	301	1/1	0.93	0.14	50,50,50,50	0
59	MG	1w	107	1/1	0.93	0.10	62,62,62,62	0
59	MG	1A	3075	1/1	0.93	0.27	29,29,29,29	0
59	MG	1F	307	1/1	0.93	0.10	44,44,44,44	0
59	MG	1A	3217	1/1	0.93	0.16	47,47,47,47	0
59	MG	1A	4097	1/1	0.93	0.10	45,45,45,45	0
59	MG	1A	3748	1/1	0.93	0.28	24,24,24,24	0
59	MG	1x	101	1/1	0.93	0.10	38,38,38,38	0
59	MG	2A	3696	1/1	0.93	0.08	73,73,73,73	0
59	MG	2A	3699	1/1	0.93	0.08	38,38,38,38	0
59	MG	2a	3051	1/1	0.93	0.21	55,55,55,55	0
59	MG	1A	3266	1/1	0.93	0.17	45,45,45,45	0
59	MG	1A	3327	1/1	0.93	0.39	42,42,42,42	0
59	MG	1A	3042	1/1	0.93	0.07	17,17,17,17	0
59	MG	2A	3431	1/1	0.93	0.12	54,54,54,54	0
59	MG	1N	3004	1/1	0.93	0.10	41,41,41,41	0
59	MG	2A	3435	1/1	0.93	0.08	47,47,47,47	0
59	MG	1A	3756	1/1	0.93	0.07	26,26,26,26	0
59	MG	1N	3009	1/1	0.93	0.16	28,28,28,28	0
59	MG	2A	3440	1/1	0.93	0.16	58,58,58,58	0
59	MG	1A	3599	1/1	0.93	0.12	21,21,21,21	0
59	MG	1x	113	1/1	0.93	0.12	61,61,61,61	0
59	MG	1A	3270	1/1	0.93	0.09	45,45,45,45	0
59	MG	2a	3068	1/1	0.93	0.16	52,52,52,52	0
59	MG	2a	3069	1/1	0.93	0.34	68,68,68,68	0
59	MG	2a	3072	1/1	0.93	0.31	50,50,50,50	0
59	MG	1A	3608	1/1	0.93	0.10	16,16,16,16	0
59	MG	2A	3213	1/1	0.93	0.28	52,52,52,52	0
59	MG	2A	3450	1/1	0.93	0.09	53,53,53,53	0
59	MG	1a	3419	1/1	0.93	0.20	49,49,49,49	0
59	MG	1A	3768	1/1	0.93	0.14	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	3404	1/1	0.93	0.16	34,34,34,34	0
59	MG	1a	3423	1/1	0.93	0.27	53,53,53,53	0
59	MG	1A	3220	1/1	0.93	0.21	25,25,25,25	0
59	MG	2A	3459	1/1	0.93	0.18	55,55,55,55	0
59	MG	1A	3947	1/1	0.93	0.11	58,58,58,58	0
59	MG	2A	3464	1/1	0.93	0.15	46,46,46,46	0
59	MG	1R	201	1/1	0.93	0.09	28,28,28,28	0
59	MG	2A	3467	1/1	0.93	0.16	54,54,54,54	0
59	MG	2A	3017	1/1	0.93	0.18	39,39,39,39	0
59	MG	1A	3622	1/1	0.93	0.13	17,17,17,17	0
59	MG	1A	3133	1/1	0.93	0.09	41,41,41,41	0
59	MG	2A	3229	1/1	0.93	0.12	54,54,54,54	0
59	MG	1A	3950	1/1	0.93	0.14	47,47,47,47	0
59	MG	1A	3625	1/1	0.93	0.10	63,63,63,63	0
59	MG	1A	3275	1/1	0.93	0.10	38,38,38,38	0
59	MG	1A	3777	1/1	0.93	0.12	45,45,45,45	0
59	MG	1W	201	1/1	0.93	0.20	39,39,39,39	0
59	MG	1A	3339	1/1	0.93	0.10	45,45,45,45	0
59	MG	2a	3100	1/1	0.93	0.25	51,51,51,51	0
59	MG	1Y	504	1/1	0.93	0.24	45,45,45,45	0
59	MG	1A	3962	1/1	0.93	0.17	55,55,55,55	0
59	MG	1A	3182	1/1	0.93	0.07	38,38,38,38	0
59	MG	2A	3763	1/1	0.93	0.14	66,66,66,66	0
59	MG	2A	3035	1/1	0.93	0.24	67,67,67,67	0
59	MG	2A	3036	1/1	0.93	0.09	49,49,49,49	0
59	MG	10	105	1/1	0.93	0.14	40,40,40,40	0
59	MG	1A	3967	1/1	0.93	0.10	42,42,42,42	0
59	MG	1A	3782	1/1	0.93	0.10	60,60,60,60	0
59	MG	1A	3969	1/1	0.93	0.09	36,36,36,36	0
59	MG	1A	3186	1/1	0.93	0.26	35,35,35,35	0
59	MG	2A	3045	1/1	0.93	0.09	49,49,49,49	0
59	MG	2A	3046	1/1	0.93	0.18	58,58,58,58	0
59	MG	2A	3499	1/1	0.93	0.18	53,53,53,53	0
59	MG	2A	3047	1/1	0.93	0.12	47,47,47,47	0
59	MG	2A	3049	1/1	0.93	0.08	44,44,44,44	0
59	MG	1A	3784	1/1	0.93	0.09	14,14,14,14	0
59	MG	1A	3632	1/1	0.93	0.19	53,53,53,53	0
59	MG	2A	3057	1/1	0.93	0.21	51,51,51,51	0
59	MG	1A	3636	1/1	0.93	0.13	46,46,46,46	0
59	MG	2A	3515	1/1	0.93	0.08	39,39,39,39	0
59	MG	1A	3088	1/1	0.93	0.15	44,44,44,44	0
59	MG	1A	3639	1/1	0.93	0.08	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	18	103	1/1	0.93	0.11	38,38,38,38	0
59	MG	2A	3066	1/1	0.93	0.14	54,54,54,54	0
59	MG	2A	3267	1/1	0.93	0.10	55,55,55,55	0
59	MG	1A	3792	1/1	0.93	0.10	42,42,42,42	0
59	MG	1A	3089	1/1	0.93	0.07	28,28,28,28	0
59	MG	1a	3303	1/1	0.93	0.17	55,55,55,55	0
59	MG	2a	3136	1/1	0.93	0.08	64,64,64,64	0
59	MG	1A	3345	1/1	0.93	0.20	37,37,37,37	0
59	MG	1A	3110	1/1	0.93	0.06	29,29,29,29	0
59	MG	2A	3074	1/1	0.93	0.07	49,49,49,49	0
59	MG	2A	3530	1/1	0.93	0.10	35,35,35,35	0
59	MG	2A	3277	1/1	0.93	0.29	51,51,51,51	0
59	MG	2A	3532	1/1	0.93	0.10	53,53,53,53	0
59	MG	2a	3152	1/1	0.93	0.07	65,65,65,65	0
59	MG	2A	3279	1/1	0.93	0.24	43,43,43,43	0
59	MG	1A	3799	1/1	0.93	0.14	22,22,22,22	0
59	MG	2A	3800	1/1	0.93	0.08	62,62,62,62	0
59	MG	1A	3285	1/1	0.93	0.14	42,42,42,42	0
59	MG	2A	3804	1/1	0.93	0.10	59,59,59,59	0
59	MG	1A	3513	1/1	0.93	0.12	44,44,44,44	0
59	MG	2A	3541	1/1	0.93	0.11	30,30,30,30	0
59	MG	1a	3321	1/1	0.93	0.12	50,50,50,50	0
59	MG	1A	3802	1/1	0.93	0.23	31,31,31,31	0
59	MG	1A	3111	1/1	0.93	0.12	56,56,56,56	0
59	MG	2a	3167	1/1	0.93	0.07	74,74,74,74	0
59	MG	1A	3233	1/1	0.93	0.14	51,51,51,51	0
59	MG	1A	3356	1/1	0.93	0.08	38,38,38,38	0
59	MG	2a	3171	1/1	0.93	0.08	55,55,55,55	0
59	MG	1a	3494	1/1	0.93	0.10	48,48,48,48	0
59	MG	2A	3819	1/1	0.93	0.09	47,47,47,47	0
59	MG	2A	3549	1/1	0.93	0.15	55,55,55,55	0
59	MG	2A	3827	1/1	0.93	0.10	62,62,62,62	0
59	MG	1A	3357	1/1	0.93	0.24	45,45,45,45	0
59	MG	1A	3290	1/1	0.93	0.20	37,37,37,37	0
59	MG	1A	3002	1/1	0.93	0.12	53,53,53,53	0
59	MG	2A	3832	1/1	0.93	0.17	53,53,53,53	0
59	MG	1A	3239	1/1	0.93	0.25	49,49,49,49	0
59	MG	2a	3184	1/1	0.93	0.23	61,61,61,61	0
59	MG	2A	3093	1/1	0.93	0.25	56,56,56,56	0
59	MG	2A	3094	1/1	0.93	0.14	43,43,43,43	0
59	MG	1a	3333	1/1	0.93	0.23	54,54,54,54	0
59	MG	2A	3096	1/1	0.93	0.17	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2a	3189	1/1	0.93	0.20	57,57,57,57	0
59	MG	2A	3842	1/1	0.93	0.32	46,46,46,46	0
59	MG	1a	3334	1/1	0.93	0.20	49,49,49,49	0
59	MG	1A	3822	1/1	0.93	0.06	11,11,11,11	0
59	MG	2a	3194	1/1	0.93	0.14	68,68,68,68	0
59	MG	2A	3561	1/1	0.93	0.09	31,31,31,31	0
59	MG	2A	3562	1/1	0.93	0.09	57,57,57,57	0
59	MG	2A	3847	1/1	0.93	0.30	37,37,37,37	0
59	MG	2A	3302	1/1	0.93	0.35	57,57,57,57	0
59	MG	1A	3529	1/1	0.93	0.39	33,33,33,33	0
59	MG	2A	3304	1/1	0.93	0.33	56,56,56,56	0
59	MG	2B	3005	1/1	0.93	0.28	61,61,61,61	0
59	MG	1A	4021	1/1	0.93	0.07	27,27,27,27	0
59	MG	2A	3103	1/1	0.93	0.24	62,62,62,62	0
59	MG	1a	3341	1/1	0.93	0.16	50,50,50,50	0
59	MG	1A	3530	1/1	0.93	0.08	32,32,32,32	0
59	MG	2a	3207	1/1	0.93	0.22	55,55,55,55	0
59	MG	1a	3526	1/1	0.93	0.18	50,50,50,50	0
59	MG	2A	3572	1/1	0.93	0.08	24,24,24,24	0
59	MG	1A	4030	1/1	0.93	0.18	58,58,58,58	0
59	MG	1a	3532	1/1	0.93	0.08	57,57,57,57	0
59	MG	1A	3362	1/1	0.93	0.10	53,53,53,53	0
59	MG	2a	3213	1/1	0.93	0.12	66,66,66,66	0
59	MG	1A	3534	1/1	0.93	0.07	38,38,38,38	0
59	MG	1a	3348	1/1	0.93	0.20	41,41,41,41	0
59	MG	1A	3363	1/1	0.93	0.11	30,30,30,30	0
59	MG	2A	3316	1/1	0.93	0.25	49,49,49,49	0
59	MG	1a	3351	1/1	0.93	0.14	42,42,42,42	0
59	MG	1A	4041	1/1	0.93	0.08	42,42,42,42	0
59	MG	2A	3131	1/1	0.93	0.22	51,51,51,51	0
59	MG	2a	3222	1/1	0.93	0.17	57,57,57,57	0
59	MG	2A	3323	1/1	0.93	0.25	47,47,47,47	0
59	MG	2D	302	1/1	0.93	0.10	39,39,39,39	0
59	MG	2A	3589	1/1	0.93	0.08	46,46,46,46	0
59	MG	1A	3366	1/1	0.93	0.13	58,58,58,58	0
59	MG	2A	3138	1/1	0.93	0.19	45,45,45,45	0
59	MG	1A	4044	1/1	0.93	0.10	54,54,54,54	0
59	MG	1A	3670	1/1	0.93	0.12	43,43,43,43	0
59	MG	2A	3142	1/1	0.93	0.11	58,58,58,58	0
59	MG	2E	305	1/1	0.93	0.12	43,43,43,43	0
59	MG	1a	3547	1/1	0.93	0.08	48,48,48,48	0
59	MG	2E	307	1/1	0.93	0.11	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2e	3001	1/1	0.93	0.12	62,62,62,62	0
59	MG	1A	3247	1/1	0.93	0.18	47,47,47,47	0
59	MG	2A	3334	1/1	0.93	0.17	61,61,61,61	0
59	MG	1A	3300	1/1	0.93	0.11	42,42,42,42	0
59	MG	1A	3302	1/1	0.93	0.14	54,54,54,54	0
59	MG	2k	3001	1/1	0.93	0.23	50,50,50,50	0
59	MG	1A	3036	1/1	0.93	0.16	23,23,23,23	0
59	MG	1A	3547	1/1	0.93	0.10	29,29,29,29	0
59	MG	1A	3551	1/1	0.93	0.09	29,29,29,29	0
59	MG	1A	3688	1/1	0.93	0.12	43,43,43,43	0
59	MG	2q	202	1/1	0.93	0.18	57,57,57,57	0
59	MG	1A	3847	1/1	0.93	0.06	25,25,25,25	0
59	MG	1A	3202	1/1	0.93	0.08	43,43,43,43	0
59	MG	2A	3155	1/1	0.93	0.13	44,44,44,44	0
59	MG	2A	3156	1/1	0.93	0.11	39,39,39,39	0
59	MG	2A	3158	1/1	0.93	0.11	50,50,50,50	0
59	MG	2A	3617	1/1	0.93	0.10	40,40,40,40	0
59	MG	1a	3368	1/1	0.93	0.33	63,63,63,63	0
59	MG	2T	203	1/1	0.93	0.22	50,50,50,50	0
59	MG	1A	4065	1/1	0.93	0.08	45,45,45,45	0
59	MG	2U	203	1/1	0.93	0.23	56,56,56,56	0
59	MG	1A	3451	1/1	0.93	0.16	38,38,38,38	0
59	MG	2V	201	1/1	0.93	0.16	60,60,60,60	0
59	MG	2X	3001	1/1	0.93	0.16	59,59,59,59	0
59	MG	1a	3371	1/1	0.93	0.12	55,55,55,55	0
59	MG	1A	3203	1/1	0.93	0.16	53,53,53,53	0
59	MG	1a	3566	1/1	0.93	0.10	57,57,57,57	0
59	MG	2A	3167	1/1	0.93	0.32	57,57,57,57	0
59	MG	1A	3698	1/1	0.93	0.09	16,16,16,16	0
59	MG	1A	3100	1/1	0.93	0.23	23,23,23,23	0
59	MG	1A	3874	1/1	0.93	0.09	13,13,13,13	0
59	MG	1A	3459	1/1	0.93	0.09	58,58,58,58	0
59	MG	1A	3258	1/1	0.93	0.15	26,26,26,26	0
59	MG	1A	3713	1/1	0.93	0.11	49,49,49,49	0
59	MG	1A	3717	1/1	0.93	0.06	21,21,21,21	0
59	MG	2A	3175	1/1	0.93	0.09	63,63,63,63	0
59	MG	2a	3008	1/1	0.93	0.18	63,63,63,63	0
59	MG	A	8001	1/1	0.93	0.10	57,57,57,57	0
59	MG	1a	3437	1/1	0.94	0.33	58,58,58,58	0
59	MG	25	103	1/1	0.94	0.15	42,42,42,42	0
59	MG	2A	3071	1/1	0.94	0.11	50,50,50,50	0
59	MG	28	101	1/1	0.94	0.30	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	3167	1/1	0.94	0.09	38,38,38,38	0
59	MG	1A	3457	1/1	0.94	0.29	55,55,55,55	0
59	MG	1a	3440	1/1	0.94	0.07	50,50,50,50	0
59	MG	1A	3729	1/1	0.94	0.12	11,11,11,11	0
59	MG	2A	3608	1/1	0.94	0.14	60,60,60,60	0
59	MG	1A	3115	1/1	0.94	0.08	24,24,24,24	0
59	MG	1a	3444	1/1	0.94	0.15	33,33,33,33	0
59	MG	2A	3078	1/1	0.94	0.08	33,33,33,33	0
59	MG	1a	3447	1/1	0.94	0.12	51,51,51,51	0
59	MG	2A	3615	1/1	0.94	0.09	46,46,46,46	0
59	MG	2a	3010	1/1	0.94	0.23	62,62,62,62	0
59	MG	1A	3897	1/1	0.94	0.09	38,38,38,38	0
59	MG	2A	3319	1/1	0.94	0.21	36,36,36,36	0
59	MG	1A	3575	1/1	0.94	0.07	13,13,13,13	0
59	MG	2A	3322	1/1	0.94	0.32	42,42,42,42	0
59	MG	1A	3116	1/1	0.94	0.10	43,43,43,43	0
59	MG	2a	3016	1/1	0.94	0.07	46,46,46,46	0
59	MG	1A	3735	1/1	0.94	0.06	20,20,20,20	0
59	MG	1A	3903	1/1	0.94	0.08	29,29,29,29	0
59	MG	1S	3002	1/1	0.94	0.16	48,48,48,48	0
59	MG	1a	3461	1/1	0.94	0.10	41,41,41,41	0
59	MG	2a	3021	1/1	0.94	0.12	62,62,62,62	0
59	MG	2A	3328	1/1	0.94	0.27	51,51,51,51	0
59	MG	1A	3318	1/1	0.94	0.09	49,49,49,49	0
59	MG	1A	3319	1/1	0.94	0.06	38,38,38,38	0
59	MG	2A	3632	1/1	0.94	0.08	29,29,29,29	0
59	MG	1A	3385	1/1	0.94	0.16	39,39,39,39	0
59	MG	2A	3333	1/1	0.94	0.09	60,60,60,60	0
59	MG	1a	3470	1/1	0.94	0.08	49,49,49,49	0
59	MG	1a	3471	1/1	0.94	0.11	51,51,51,51	0
59	MG	1A	3744	1/1	0.94	0.08	44,44,44,44	0
59	MG	1a	3473	1/1	0.94	0.16	37,37,37,37	0
59	MG	1A	3124	1/1	0.94	0.09	29,29,29,29	0
59	MG	1Y	502	1/1	0.94	0.16	53,53,53,53	0
59	MG	1A	4107	1/1	0.94	0.11	17,17,17,17	0
59	MG	1A	3322	1/1	0.94	0.21	47,47,47,47	0
59	MG	1A	3473	1/1	0.94	0.31	54,54,54,54	0
59	MG	2A	3345	1/1	0.94	0.14	59,59,59,59	0
59	MG	1A	3389	1/1	0.94	0.27	36,36,36,36	0
59	MG	2A	3661	1/1	0.94	0.10	54,54,54,54	0
59	MG	10	101	1/1	0.94	0.16	41,41,41,41	0
59	MG	1a	3486	1/1	0.94	0.12	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	3916	1/1	0.94	0.08	12,12,12,12	0
59	MG	2A	3114	1/1	0.94	0.15	39,39,39,39	0
59	MG	2A	3117	1/1	0.94	0.12	60,60,60,60	0
59	MG	1A	3476	1/1	0.94	0.29	44,44,44,44	0
59	MG	2A	3121	1/1	0.94	0.17	49,49,49,49	0
59	MG	2a	3052	1/1	0.94	0.17	52,52,52,52	0
59	MG	1A	4114	1/1	0.94	0.13	57,57,57,57	0
59	MG	1A	3324	1/1	0.94	0.19	39,39,39,39	0
59	MG	1A	3221	1/1	0.94	0.14	40,40,40,40	0
59	MG	2A	3676	1/1	0.94	0.08	60,60,60,60	0
59	MG	1A	3065	1/1	0.94	0.28	37,37,37,37	0
59	MG	1A	3600	1/1	0.94	0.07	21,21,21,21	0
59	MG	2A	3363	1/1	0.94	0.14	47,47,47,47	0
59	MG	13	3003	1/1	0.94	0.09	42,42,42,42	0
59	MG	2A	3134	1/1	0.94	0.19	58,58,58,58	0
59	MG	1a	3501	1/1	0.94	0.07	57,57,57,57	0
59	MG	1a	3503	1/1	0.94	0.09	71,71,71,71	0
59	MG	2A	3139	1/1	0.94	0.14	33,33,33,33	0
59	MG	15	103	1/1	0.94	0.09	54,54,54,54	0
59	MG	1A	3761	1/1	0.94	0.12	49,49,49,49	0
59	MG	1A	3763	1/1	0.94	0.11	46,46,46,46	0
59	MG	1a	3507	1/1	0.94	0.08	64,64,64,64	0
59	MG	1A	3943	1/1	0.94	0.08	33,33,33,33	0
59	MG	1A	3765	1/1	0.94	0.14	33,33,33,33	0
59	MG	1A	3068	1/1	0.94	0.17	53,53,53,53	0
59	MG	1a	3301	1/1	0.94	0.22	49,49,49,49	0
59	MG	1A	3483	1/1	0.94	0.11	56,56,56,56	0
59	MG	1A	3092	1/1	0.94	0.21	32,32,32,32	0
59	MG	1A	3184	1/1	0.94	0.10	42,42,42,42	0
59	MG	1a	3527	1/1	0.94	0.07	62,62,62,62	0
59	MG	2a	3083	1/1	0.94	0.12	59,59,59,59	0
59	MG	1a	3528	1/1	0.94	0.07	59,59,59,59	0
59	MG	1a	3530	1/1	0.94	0.08	62,62,62,62	0
59	MG	1A	3951	1/1	0.94	0.08	52,52,52,52	0
59	MG	2A	3397	1/1	0.94	0.07	23,23,23,23	0
59	MG	2A	3157	1/1	0.94	0.19	47,47,47,47	0
59	MG	2A	3401	1/1	0.94	0.10	59,59,59,59	0
59	MG	2A	3729	1/1	0.94	0.08	57,57,57,57	0
59	MG	1a	3309	1/1	0.94	0.23	61,61,61,61	0
59	MG	1a	3313	1/1	0.94	0.22	42,42,42,42	0
59	MG	1A	3488	1/1	0.94	0.07	45,45,45,45	0
59	MG	1A	3772	1/1	0.94	0.19	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2a	3096	1/1	0.94	0.46	56,56,56,56	0
59	MG	1A	3034	1/1	0.94	0.06	27,27,27,27	0
59	MG	1a	3540	1/1	0.94	0.07	36,36,36,36	0
59	MG	1A	3048	1/1	0.94	0.07	39,39,39,39	0
59	MG	1A	4142	1/1	0.94	0.06	47,47,47,47	0
59	MG	1A	3333	1/1	0.94	0.14	35,35,35,35	0
59	MG	1A	3965	1/1	0.94	0.10	46,46,46,46	0
59	MG	1a	3545	1/1	0.94	0.06	46,46,46,46	0
59	MG	1A	3492	1/1	0.94	0.16	55,55,55,55	0
59	MG	1A	3281	1/1	0.94	0.22	43,43,43,43	0
59	MG	2A	3430	1/1	0.94	0.07	29,29,29,29	0
59	MG	1A	3229	1/1	0.94	0.06	45,45,45,45	0
59	MG	1A	4154	1/1	0.94	0.07	38,38,38,38	0
59	MG	1A	3496	1/1	0.94	0.18	50,50,50,50	0
59	MG	1A	4156	1/1	0.94	0.16	37,37,37,37	0
59	MG	1A	4161	1/1	0.94	0.07	35,35,35,35	0
59	MG	1a	3554	1/1	0.94	0.12	58,58,58,58	0
59	MG	1A	3498	1/1	0.94	0.17	51,51,51,51	0
59	MG	1A	4167	1/1	0.94	0.05	19,19,19,19	0
59	MG	1A	3500	1/1	0.94	0.10	54,54,54,54	0
59	MG	1a	3340	1/1	0.94	0.10	53,53,53,53	0
59	MG	1A	4172	1/1	0.94	0.30	44,44,44,44	0
59	MG	1A	3502	1/1	0.94	0.15	35,35,35,35	0
59	MG	1A	3023	1/1	0.94	0.37	24,24,24,24	0
59	MG	1A	3050	1/1	0.94	0.14	31,31,31,31	0
59	MG	1A	3342	1/1	0.94	0.08	42,42,42,42	0
59	MG	1A	3985	1/1	0.94	0.10	53,53,53,53	0
59	MG	1a	3349	1/1	0.94	0.11	45,45,45,45	0
59	MG	1A	3234	1/1	0.94	0.10	33,33,33,33	0
59	MG	1a	3570	1/1	0.94	0.20	47,47,47,47	0
59	MG	2a	3128	1/1	0.94	0.06	59,59,59,59	0
59	MG	1A	3987	1/1	0.94	0.07	47,47,47,47	0
59	MG	2A	3465	1/1	0.94	0.12	54,54,54,54	0
59	MG	1A	3507	1/1	0.94	0.12	45,45,45,45	0
59	MG	2A	3196	1/1	0.94	0.10	51,51,51,51	0
59	MG	1A	4189	1/1	0.94	0.10	44,44,44,44	0
59	MG	1a	3576	1/1	0.94	0.18	53,53,53,53	0
59	MG	1A	3795	1/1	0.94	0.10	23,23,23,23	0
59	MG	1a	3356	1/1	0.94	0.09	41,41,41,41	0
59	MG	1a	3357	1/1	0.94	0.11	58,58,58,58	0
59	MG	2a	3149	1/1	0.94	0.07	58,58,58,58	0
59	MG	1A	3287	1/1	0.94	0.21	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	4192	1/1	0.94	0.30	29,29,29,29	0
59	MG	1A	3991	1/1	0.94	0.12	40,40,40,40	0
59	MG	1A	4194	1/1	0.94	0.25	33,33,33,33	0
59	MG	2A	3479	1/1	0.94	0.08	26,26,26,26	0
59	MG	2A	3206	1/1	0.94	0.23	50,50,50,50	0
59	MG	1A	4197	1/1	0.94	0.25	25,25,25,25	0
59	MG	2A	3482	1/1	0.94	0.08	40,40,40,40	0
59	MG	1A	4203	1/1	0.94	0.18	33,33,33,33	0
59	MG	2A	3484	1/1	0.94	0.10	33,33,33,33	0
59	MG	2a	3162	1/1	0.94	0.09	55,55,55,55	0
59	MG	1A	3418	1/1	0.94	0.16	22,22,22,22	0
59	MG	1A	3037	1/1	0.94	0.18	37,37,37,37	0
59	MG	1A	3423	1/1	0.94	0.09	41,41,41,41	0
59	MG	1A	3052	1/1	0.94	0.25	45,45,45,45	0
59	MG	1A	4006	1/1	0.94	0.06	31,31,31,31	0
59	MG	1A	3039	1/1	0.94	0.05	22,22,22,22	0
59	MG	1B	202	1/1	0.94	0.22	37,37,37,37	0
59	MG	2a	3172	1/1	0.94	0.14	42,42,42,42	0
59	MG	1A	3803	1/1	0.94	0.18	33,33,33,33	0
59	MG	2A	3217	1/1	0.94	0.14	48,48,48,48	0
59	MG	2a	3175	1/1	0.94	0.09	58,58,58,58	0
59	MG	1w	105	1/1	0.94	0.11	39,39,39,39	0
59	MG	2A	3803	1/1	0.94	0.08	50,50,50,50	0
59	MG	2a	3178	1/1	0.94	0.20	52,52,52,52	0
59	MG	1w	106	1/1	0.94	0.15	61,61,61,61	0
59	MG	1A	4010	1/1	0.94	0.11	50,50,50,50	0
59	MG	2A	3505	1/1	0.94	0.12	35,35,35,35	0
59	MG	1A	3804	1/1	0.94	0.22	27,27,27,27	0
59	MG	2A	3508	1/1	0.94	0.10	43,43,43,43	0
59	MG	2A	3509	1/1	0.94	0.10	40,40,40,40	0
59	MG	1A	3517	1/1	0.94	0.15	41,41,41,41	0
59	MG	1a	3375	1/1	0.94	0.10	37,37,37,37	0
59	MG	1B	210	1/1	0.94	0.10	51,51,51,51	0
59	MG	2A	3227	1/1	0.94	0.20	47,47,47,47	0
59	MG	2A	3820	1/1	0.94	0.17	35,35,35,35	0
59	MG	1a	3378	1/1	0.94	0.19	63,63,63,63	0
59	MG	2A	3823	1/1	0.94	0.18	47,47,47,47	0
59	MG	2A	3824	1/1	0.94	0.10	43,43,43,43	0
59	MG	1a	3379	1/1	0.94	0.08	49,49,49,49	0
59	MG	1A	3028	1/1	0.94	0.05	34,34,34,34	0
59	MG	1A	3352	1/1	0.94	0.08	43,43,43,43	0
59	MG	1A	3295	1/1	0.94	0.07	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1x	107	1/1	0.94	0.12	50,50,50,50	0
59	MG	2A	3834	1/1	0.94	0.09	42,42,42,42	0
59	MG	1x	108	1/1	0.94	0.23	53,53,53,53	0
59	MG	1A	3354	1/1	0.94	0.21	37,37,37,37	0
59	MG	1A	3813	1/1	0.94	0.06	15,15,15,15	0
59	MG	1A	3815	1/1	0.94	0.10	25,25,25,25	0
59	MG	1A	4024	1/1	0.94	0.09	46,46,46,46	0
59	MG	2A	3841	1/1	0.94	0.08	59,59,59,59	0
59	MG	1A	3430	1/1	0.94	0.23	32,32,32,32	0
59	MG	1A	4026	1/1	0.94	0.07	45,45,45,45	0
59	MG	2A	3245	1/1	0.94	0.12	48,48,48,48	0
59	MG	1A	4027	1/1	0.94	0.05	45,45,45,45	0
59	MG	1A	3431	1/1	0.94	0.08	45,45,45,45	0
59	MG	1A	3250	1/1	0.94	0.11	49,49,49,49	0
59	MG	1A	3299	1/1	0.94	0.07	49,49,49,49	0
59	MG	2A	3251	1/1	0.94	0.07	40,40,40,40	0
59	MG	1A	3157	1/1	0.94	0.10	37,37,37,37	0
59	MG	1A	3301	1/1	0.94	0.26	37,37,37,37	0
59	MG	2A	3254	1/1	0.94	0.06	47,47,47,47	0
59	MG	1A	4042	1/1	0.94	0.07	42,42,42,42	0
59	MG	1A	3675	1/1	0.94	0.16	21,21,21,21	0
59	MG	2A	3257	1/1	0.94	0.08	49,49,49,49	0
59	MG	2A	3008	1/1	0.94	0.13	44,44,44,44	0
59	MG	2A	3548	1/1	0.94	0.08	36,36,36,36	0
59	MG	2a	3225	1/1	0.94	0.13	59,59,59,59	0
59	MG	2A	3015	1/1	0.94	0.09	57,57,57,57	0
59	MG	1A	3253	1/1	0.94	0.15	37,37,37,37	0
59	MG	1A	3161	1/1	0.94	0.16	25,25,25,25	0
59	MG	2a	3231	1/1	0.94	0.16	57,57,57,57	0
59	MG	2A	3019	1/1	0.94	0.11	54,54,54,54	0
59	MG	2a	3233	1/1	0.94	0.07	50,50,50,50	0
59	MG	1A	3540	1/1	0.94	0.09	47,47,47,47	0
59	MG	1A	3686	1/1	0.94	0.08	29,29,29,29	0
59	MG	1D	305	1/1	0.94	0.10	29,29,29,29	0
59	MG	1D	308	1/1	0.94	0.18	27,27,27,27	0
59	MG	2A	3268	1/1	0.94	0.21	61,61,61,61	0
59	MG	2A	3269	1/1	0.94	0.12	50,50,50,50	0
59	MG	1A	3304	1/1	0.94	0.15	36,36,36,36	0
59	MG	2D	301	1/1	0.94	0.20	47,47,47,47	0
59	MG	1A	3058	1/1	0.94	0.10	50,50,50,50	0
59	MG	1A	3212	1/1	0.94	0.12	49,49,49,49	0
59	MG	1A	4058	1/1	0.94	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
59	MG	1A	3695	1/1	0.94	0.07	20,20,20,20	0
59	MG	1A	3004	1/1	0.94	0.09	47,47,47,47	0
59	MG	1E	306	1/1	0.94	0.10	31,31,31,31	0
59	MG	1A	3447	1/1	0.94	0.27	38,38,38,38	0
59	MG	1A	3552	1/1	0.94	0.09	7,7,7,7	0
59	MG	1A	3848	1/1	0.94	0.07	72,72,72,72	0
59	MG	1A	3262	1/1	0.94	0.21	41,41,41,41	0
59	MG	2q	204	1/1	0.94	0.09	70,70,70,70	0
59	MG	1A	3705	1/1	0.94	0.07	17,17,17,17	0
59	MG	1A	3215	1/1	0.94	0.27	33,33,33,33	0
59	MG	1A	3859	1/1	0.94	0.08	37,37,37,37	0
59	MG	2A	3575	1/1	0.94	0.13	60,60,60,60	0
59	MG	1A	3860	1/1	0.94	0.07	37,37,37,37	0
59	MG	1A	3452	1/1	0.94	0.16	32,32,32,32	0
59	MG	2P	201	1/1	0.94	0.24	51,51,51,51	0
59	MG	2Q	3001	1/1	0.94	0.07	52,52,52,52	0
59	MG	2A	3048	1/1	0.94	0.20	53,53,53,53	0
59	MG	1A	3714	1/1	0.94	0.07	10,10,10,10	0
59	MG	2A	3050	1/1	0.94	0.13	48,48,48,48	0
59	MG	1A	3564	1/1	0.94	0.05	26,26,26,26	0
59	MG	2A	3052	1/1	0.94	0.14	56,56,56,56	0
59	MG	1A	3720	1/1	0.94	0.07	34,34,34,34	0
59	MG	2A	3054	1/1	0.94	0.08	43,43,43,43	0
59	MG	2A	3055	1/1	0.94	0.06	24,24,24,24	0
59	MG	2A	3056	1/1	0.94	0.13	56,56,56,56	0
59	MG	1A	3880	1/1	0.94	0.09	64,64,64,64	0
59	MG	1A	3881	1/1	0.94	0.13	47,47,47,47	0
59	MG	1a	3431	1/1	0.94	0.12	38,38,38,38	0
59	MG	1A	3311	1/1	0.94	0.12	39,39,39,39	0
59	MG	1A	3884	1/1	0.94	0.11	41,41,41,41	0
59	MG	1N	3007	1/1	0.94	0.27	49,49,49,49	0
59	MG	1A	3888	1/1	0.94	0.06	31,31,31,31	0
59	MG	1A	3723	1/1	0.94	0.11	53,53,53,53	0
59	MG	23	101	1/1	0.94	0.11	51,51,51,51	0
59	MG	13	3002	1/1	0.95	0.07	37,37,37,37	0
59	MG	1a	3497	1/1	0.95	0.10	65,65,65,65	0
59	MG	2A	3101	1/1	0.95	0.10	27,27,27,27	0
59	MG	27	3001	1/1	0.95	0.25	56,56,56,56	0
59	MG	1A	3981	1/1	0.95	0.07	13,13,13,13	0
59	MG	2A	3610	1/1	0.95	0.18	40,40,40,40	0
59	MG	1A	3691	1/1	0.95	0.12	39,39,39,39	0
59	MG	1A	4139	1/1	0.95	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
59	MG	1A	4140	1/1	0.95	0.05	31,31,31,31	0
59	MG	2A	3106	1/1	0.95	0.09	57,57,57,57	0
59	MG	1A	3983	1/1	0.95	0.11	63,63,63,63	0
59	MG	1A	3140	1/1	0.95	0.24	28,28,28,28	0
59	MG	1A	4144	1/1	0.95	0.10	42,42,42,42	0
59	MG	1A	3141	1/1	0.95	0.09	26,26,26,26	0
59	MG	2A	3620	1/1	0.95	0.14	50,50,50,50	0
59	MG	1A	3817	1/1	0.95	0.06	31,31,31,31	0
59	MG	1A	3818	1/1	0.95	0.07	14,14,14,14	0
59	MG	2A	3339	1/1	0.95	0.31	50,50,50,50	0
59	MG	1A	4149	1/1	0.95	0.09	47,47,47,47	0
59	MG	1a	3517	1/1	0.95	0.06	60,60,60,60	0
59	MG	2A	3342	1/1	0.95	0.05	41,41,41,41	0
59	MG	2A	3123	1/1	0.95	0.20	46,46,46,46	0
59	MG	1A	4150	1/1	0.95	0.07	35,35,35,35	0
59	MG	2A	3125	1/1	0.95	0.07	30,30,30,30	0
59	MG	2A	3631	1/1	0.95	0.17	54,54,54,54	0
59	MG	1A	3579	1/1	0.95	0.07	30,30,30,30	0
59	MG	2A	3633	1/1	0.95	0.07	37,37,37,37	0
59	MG	1A	4152	1/1	0.95	0.08	21,21,21,21	0
59	MG	1A	3230	1/1	0.95	0.21	40,40,40,40	0
59	MG	1A	3231	1/1	0.95	0.16	39,39,39,39	0
59	MG	2A	3133	1/1	0.95	0.16	48,48,48,48	0
59	MG	2a	3026	1/1	0.95	0.26	47,47,47,47	0
59	MG	1A	3422	1/1	0.95	0.18	56,56,56,56	0
59	MG	1a	3320	1/1	0.95	0.17	51,51,51,51	0
59	MG	2A	3643	1/1	0.95	0.06	48,48,48,48	0
59	MG	1A	3992	1/1	0.95	0.05	30,30,30,30	0
59	MG	2A	3355	1/1	0.95	0.12	44,44,44,44	0
59	MG	2a	3032	1/1	0.95	0.07	54,54,54,54	0
59	MG	1A	4160	1/1	0.95	0.08	53,53,53,53	0
59	MG	1a	3323	1/1	0.95	0.13	43,43,43,43	0
59	MG	1A	3272	1/1	0.95	0.12	36,36,36,36	0
59	MG	1A	3996	1/1	0.95	0.08	35,35,35,35	0
59	MG	2A	3656	1/1	0.95	0.06	40,40,40,40	0
59	MG	2A	3657	1/1	0.95	0.07	60,60,60,60	0
59	MG	2a	3039	1/1	0.95	0.08	55,55,55,55	0
59	MG	1A	3708	1/1	0.95	0.08	37,37,37,37	0
59	MG	1A	4000	1/1	0.95	0.10	47,47,47,47	0
59	MG	1A	4171	1/1	0.95	0.23	26,26,26,26	0
59	MG	1A	4002	1/1	0.95	0.06	44,44,44,44	0
59	MG	1A	4173	1/1	0.95	0.32	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3665	1/1	0.95	0.09	38,38,38,38	0
59	MG	2A	3148	1/1	0.95	0.10	65,65,65,65	0
59	MG	2A	3149	1/1	0.95	0.13	29,29,29,29	0
59	MG	1A	3709	1/1	0.95	0.06	20,20,20,20	0
59	MG	1A	3273	1/1	0.95	0.19	49,49,49,49	0
59	MG	1A	3831	1/1	0.95	0.24	17,17,17,17	0
59	MG	2A	3673	1/1	0.95	0.07	55,55,55,55	0
59	MG	1A	4177	1/1	0.95	0.19	29,29,29,29	0
59	MG	1A	3205	1/1	0.95	0.19	24,24,24,24	0
59	MG	1a	3338	1/1	0.95	0.18	51,51,51,51	0
59	MG	1a	3339	1/1	0.95	0.14	54,54,54,54	0
59	MG	2a	3060	1/1	0.95	0.20	49,49,49,49	0
59	MG	1A	3206	1/1	0.95	0.10	35,35,35,35	0
59	MG	1A	3107	1/1	0.95	0.28	32,32,32,32	0
59	MG	1A	4185	1/1	0.95	0.18	46,46,46,46	0
59	MG	1A	3719	1/1	0.95	0.05	44,44,44,44	0
59	MG	1A	3235	1/1	0.95	0.17	34,34,34,34	0
59	MG	1A	3721	1/1	0.95	0.08	14,14,14,14	0
59	MG	1A	3364	1/1	0.95	0.27	34,34,34,34	0
59	MG	1A	3365	1/1	0.95	0.21	40,40,40,40	0
59	MG	2A	3392	1/1	0.95	0.08	58,58,58,58	0
59	MG	2a	3071	1/1	0.95	0.15	51,51,51,51	0
59	MG	2A	3395	1/1	0.95	0.07	28,28,28,28	0
59	MG	1A	4016	1/1	0.95	0.11	24,24,24,24	0
59	MG	1A	4017	1/1	0.95	0.07	44,44,44,44	0
59	MG	2A	3697	1/1	0.95	0.07	25,25,25,25	0
59	MG	2A	3400	1/1	0.95	0.08	21,21,21,21	0
59	MG	1a	3564	1/1	0.95	0.08	54,54,54,54	0
59	MG	1A	3210	1/1	0.95	0.07	35,35,35,35	0
59	MG	2A	3403	1/1	0.95	0.11	38,38,38,38	0
59	MG	1A	4195	1/1	0.95	0.17	27,27,27,27	0
59	MG	2A	3709	1/1	0.95	0.07	46,46,46,46	0
59	MG	1A	3607	1/1	0.95	0.04	17,17,17,17	0
59	MG	1a	3568	1/1	0.95	0.06	53,53,53,53	0
59	MG	1A	3432	1/1	0.95	0.21	47,47,47,47	0
59	MG	1A	3320	1/1	0.95	0.07	41,41,41,41	0
59	MG	1A	4207	1/1	0.95	0.15	26,26,26,26	0
59	MG	1A	3614	1/1	0.95	0.06	24,24,24,24	0
59	MG	1a	3573	1/1	0.95	0.18	37,37,37,37	0
59	MG	2A	3416	1/1	0.95	0.07	34,34,34,34	0
59	MG	2A	3417	1/1	0.95	0.10	31,31,31,31	0
59	MG	2A	3418	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
59	MG	1A	4212	1/1	0.95	0.11	32,32,32,32	0
59	MG	1A	3615	1/1	0.95	0.15	55,55,55,55	0
59	MG	1A	4225	1/1	0.95	0.19	34,34,34,34	0
59	MG	1A	3280	1/1	0.95	0.07	39,39,39,39	0
59	MG	1A	3145	1/1	0.95	0.09	44,44,44,44	0
59	MG	1A	4031	1/1	0.95	0.09	47,47,47,47	0
59	MG	1A	4033	1/1	0.95	0.06	45,45,45,45	0
59	MG	1A	3371	1/1	0.95	0.21	39,39,39,39	0
59	MG	2A	3187	1/1	0.95	0.41	37,37,37,37	0
59	MG	1A	3372	1/1	0.95	0.19	37,37,37,37	0
59	MG	1B	205	1/1	0.95	0.10	40,40,40,40	0
59	MG	1A	4038	1/1	0.95	0.10	25,25,25,25	0
59	MG	2A	3443	1/1	0.95	0.07	30,30,30,30	0
59	MG	1A	3242	1/1	0.95	0.22	24,24,24,24	0
59	MG	1A	3875	1/1	0.95	0.14	54,54,54,54	0
59	MG	1B	211	1/1	0.95	0.31	52,52,52,52	0
59	MG	1A	3246	1/1	0.95	0.11	47,47,47,47	0
59	MG	2A	3195	1/1	0.95	0.21	36,36,36,36	0
59	MG	1A	3877	1/1	0.95	0.06	44,44,44,44	0
59	MG	2A	3753	1/1	0.95	0.12	52,52,52,52	0
59	MG	1A	3879	1/1	0.95	0.08	51,51,51,51	0
59	MG	2a	3115	1/1	0.95	0.27	59,59,59,59	0
59	MG	2A	3453	1/1	0.95	0.10	60,60,60,60	0
59	MG	1w	101	1/1	0.95	0.10	56,56,56,56	0
59	MG	1B	215	1/1	0.95	0.06	44,44,44,44	0
59	MG	1w	103	1/1	0.95	0.14	56,56,56,56	0
59	MG	1A	3149	1/1	0.95	0.06	20,20,20,20	0
59	MG	1A	4046	1/1	0.95	0.09	36,36,36,36	0
59	MG	1B	219	1/1	0.95	0.05	28,28,28,28	0
59	MG	2a	3123	1/1	0.95	0.15	55,55,55,55	0
59	MG	1A	3630	1/1	0.95	0.09	16,16,16,16	0
59	MG	1A	3751	1/1	0.95	0.07	21,21,21,21	0
59	MG	2A	3767	1/1	0.95	0.13	59,59,59,59	0
59	MG	1A	3444	1/1	0.95	0.09	45,45,45,45	0
59	MG	1A	4054	1/1	0.95	0.19	57,57,57,57	0
59	MG	1A	3180	1/1	0.95	0.08	39,39,39,39	0
59	MG	2a	3132	1/1	0.95	0.07	68,68,68,68	0
59	MG	1A	3084	1/1	0.95	0.09	31,31,31,31	0
59	MG	2A	3772	1/1	0.95	0.11	35,35,35,35	0
59	MG	1A	3891	1/1	0.95	0.06	15,15,15,15	0
59	MG	1A	3329	1/1	0.95	0.08	51,51,51,51	0
59	MG	1A	3288	1/1	0.95	0.22	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2a	3139	1/1	0.95	0.08	65,65,65,65	0
59	MG	2a	3140	1/1	0.95	0.09	68,68,68,68	0
59	MG	1a	3392	1/1	0.95	0.22	45,45,45,45	0
59	MG	2a	3143	1/1	0.95	0.07	43,43,43,43	0
59	MG	2a	3144	1/1	0.95	0.17	50,50,50,50	0
59	MG	1x	105	1/1	0.95	0.16	47,47,47,47	0
59	MG	1A	3759	1/1	0.95	0.12	41,41,41,41	0
59	MG	1A	3640	1/1	0.95	0.10	25,25,25,25	0
59	MG	1a	3395	1/1	0.95	0.06	40,40,40,40	0
59	MG	1A	4064	1/1	0.95	0.11	30,30,30,30	0
59	MG	1A	3525	1/1	0.95	0.21	48,48,48,48	0
59	MG	2A	3220	1/1	0.95	0.17	68,68,68,68	0
59	MG	1A	3762	1/1	0.95	0.12	48,48,48,48	0
59	MG	1A	3086	1/1	0.95	0.07	31,31,31,31	0
59	MG	1A	4068	1/1	0.95	0.05	38,38,38,38	0
59	MG	1x	115	1/1	0.95	0.11	56,56,56,56	0
59	MG	2A	3488	1/1	0.95	0.22	54,54,54,54	0
59	MG	1A	3900	1/1	0.95	0.09	53,53,53,53	0
59	MG	2a	3161	1/1	0.95	0.09	72,72,72,72	0
59	MG	1A	3013	1/1	0.95	0.22	44,44,44,44	0
59	MG	1A	3766	1/1	0.95	0.06	21,21,21,21	0
59	MG	2A	3230	1/1	0.95	0.12	42,42,42,42	0
59	MG	2a	3165	1/1	0.95	0.07	68,68,68,68	0
59	MG	1A	3104	1/1	0.95	0.26	32,32,32,32	0
59	MG	2A	3495	1/1	0.95	0.13	37,37,37,37	0
59	MG	2A	3496	1/1	0.95	0.12	49,49,49,49	0
59	MG	1A	3335	1/1	0.95	0.10	46,46,46,46	0
59	MG	1A	3456	1/1	0.95	0.09	50,50,50,50	0
59	MG	2A	3002	1/1	0.95	0.27	46,46,46,46	0
59	MG	2A	3500	1/1	0.95	0.11	27,27,27,27	0
59	MG	1A	3336	1/1	0.95	0.07	36,36,36,36	0
59	MG	2A	3503	1/1	0.95	0.06	32,32,32,32	0
59	MG	2A	3504	1/1	0.95	0.11	27,27,27,27	0
59	MG	2A	3805	1/1	0.95	0.10	53,53,53,53	0
59	MG	2A	3004	1/1	0.95	0.16	46,46,46,46	0
59	MG	1A	3159	1/1	0.95	0.17	32,32,32,32	0
59	MG	2A	3238	1/1	0.95	0.26	53,53,53,53	0
59	MG	1A	4079	1/1	0.95	0.15	68,68,68,68	0
59	MG	2A	3010	1/1	0.95	0.06	36,36,36,36	0
59	MG	1a	3411	1/1	0.95	0.28	47,47,47,47	0
59	MG	1A	3393	1/1	0.95	0.14	47,47,47,47	0
59	MG	1A	3539	1/1	0.95	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
59	MG	2A	3817	1/1	0.95	0.12	32,32,32,32	0
59	MG	1E	309	1/1	0.95	0.09	47,47,47,47	0
59	MG	1A	4084	1/1	0.95	0.10	45,45,45,45	0
59	MG	1A	3914	1/1	0.95	0.06	21,21,21,21	0
59	MG	2a	3190	1/1	0.95	0.17	56,56,56,56	0
59	MG	1A	3294	1/1	0.95	0.12	30,30,30,30	0
59	MG	1A	4087	1/1	0.95	0.10	34,34,34,34	0
59	MG	1A	3541	1/1	0.95	0.09	20,20,20,20	0
59	MG	1F	306	1/1	0.95	0.08	40,40,40,40	0
59	MG	2A	3523	1/1	0.95	0.11	63,63,63,63	0
59	MG	1A	3257	1/1	0.95	0.12	24,24,24,24	0
59	MG	1A	3919	1/1	0.95	0.05	67,67,67,67	0
59	MG	2A	3030	1/1	0.95	0.12	50,50,50,50	0
59	MG	2A	3031	1/1	0.95	0.22	44,44,44,44	0
59	MG	1A	3191	1/1	0.95	0.15	45,45,45,45	0
59	MG	2A	3529	1/1	0.95	0.10	47,47,47,47	0
59	MG	1A	3779	1/1	0.95	0.17	36,36,36,36	0
59	MG	2A	3839	1/1	0.95	0.21	39,39,39,39	0
59	MG	1A	3925	1/1	0.95	0.07	10,10,10,10	0
59	MG	1A	3780	1/1	0.95	0.07	10,10,10,10	0
59	MG	1A	3397	1/1	0.95	0.15	38,38,38,38	0
59	MG	2A	3534	1/1	0.95	0.13	58,58,58,58	0
59	MG	1N	3001	1/1	0.95	0.27	52,52,52,52	0
59	MG	2A	3536	1/1	0.95	0.09	41,41,41,41	0
59	MG	2A	3537	1/1	0.95	0.16	59,59,59,59	0
59	MG	2A	3263	1/1	0.95	0.20	47,47,47,47	0
59	MG	2A	3848	1/1	0.95	0.11	47,47,47,47	0
59	MG	2A	3040	1/1	0.95	0.12	40,40,40,40	0
59	MG	2B	3002	1/1	0.95	0.30	56,56,56,56	0
59	MG	1A	3934	1/1	0.95	0.07	16,16,16,16	0
59	MG	1N	3005	1/1	0.95	0.10	51,51,51,51	0
59	MG	2A	3043	1/1	0.95	0.12	57,57,57,57	0
59	MG	1A	3659	1/1	0.95	0.12	50,50,50,50	0
59	MG	1A	3940	1/1	0.95	0.06	27,27,27,27	0
59	MG	1A	3298	1/1	0.95	0.15	57,57,57,57	0
59	MG	1A	3664	1/1	0.95	0.07	46,46,46,46	0
59	MG	2a	3224	1/1	0.95	0.19	58,58,58,58	0
59	MG	1O	3002	1/1	0.95	0.29	41,41,41,41	0
59	MG	1A	3259	1/1	0.95	0.19	41,41,41,41	0
59	MG	1A	3402	1/1	0.95	0.11	42,42,42,42	0
59	MG	1A	3554	1/1	0.95	0.11	26,26,26,26	0
59	MG	1A	4108	1/1	0.95	0.06	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1a	3442	1/1	0.95	0.12	59,59,59,59	0
59	MG	2A	3280	1/1	0.95	0.07	49,49,49,49	0
59	MG	1A	3095	1/1	0.95	0.08	23,23,23,23	0
59	MG	1A	3478	1/1	0.95	0.26	42,42,42,42	0
59	MG	1a	3446	1/1	0.95	0.08	48,48,48,48	0
59	MG	1A	3014	1/1	0.95	0.14	38,38,38,38	0
59	MG	1A	3347	1/1	0.95	0.17	40,40,40,40	0
59	MG	2A	3059	1/1	0.95	0.06	37,37,37,37	0
59	MG	1a	3449	1/1	0.95	0.12	53,53,53,53	0
59	MG	1A	3676	1/1	0.95	0.06	29,29,29,29	0
59	MG	1A	3567	1/1	0.95	0.06	27,27,27,27	0
59	MG	1S	3003	1/1	0.95	0.06	61,61,61,61	0
59	MG	1A	3348	1/1	0.95	0.07	56,56,56,56	0
59	MG	1A	3679	1/1	0.95	0.07	50,50,50,50	0
59	MG	1A	3964	1/1	0.95	0.10	36,36,36,36	0
59	MG	2A	3070	1/1	0.95	0.07	42,42,42,42	0
59	MG	1U	204	1/1	0.95	0.06	36,36,36,36	0
59	MG	1A	3137	1/1	0.95	0.20	43,43,43,43	0
59	MG	1A	4119	1/1	0.95	0.08	22,22,22,22	0
59	MG	1a	3468	1/1	0.95	0.13	51,51,51,51	0
59	MG	2F	302	1/1	0.95	0.13	41,41,41,41	0
59	MG	1W	202	1/1	0.95	0.08	39,39,39,39	0
59	MG	1X	3004	1/1	0.95	0.08	49,49,49,49	0
59	MG	1A	4121	1/1	0.95	0.10	30,30,30,30	0
59	MG	2A	3580	1/1	0.95	0.08	29,29,29,29	0
59	MG	1A	3681	1/1	0.95	0.05	23,23,23,23	0
59	MG	1A	3682	1/1	0.95	0.09	48,48,48,48	0
59	MG	1A	3199	1/1	0.95	0.06	32,32,32,32	0
59	MG	1A	3687	1/1	0.95	0.16	54,54,54,54	0
59	MG	1Z	304	1/1	0.95	0.19	50,50,50,50	0
59	MG	1A	3807	1/1	0.95	0.14	21,21,21,21	0
59	MG	10	104	1/1	0.95	0.05	39,39,39,39	0
59	MG	1A	3484	1/1	0.95	0.17	27,27,27,27	0
59	MG	2A	3086	1/1	0.95	0.18	30,30,30,30	0
59	MG	1A	3972	1/1	0.95	0.11	24,24,24,24	0
59	MG	1A	4130	1/1	0.95	0.09	65,65,65,65	0
59	MG	10	108	1/1	0.95	0.04	39,39,39,39	0
59	MG	2A	3090	1/1	0.95	0.17	53,53,53,53	0
59	MG	2U	201	1/1	0.95	0.13	47,47,47,47	0
59	MG	2A	3091	1/1	0.95	0.10	44,44,44,44	0
59	MG	1A	3689	1/1	0.95	0.07	41,41,41,41	0
59	MG	1a	3491	1/1	0.95	0.08	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	3121	1/1	0.95	0.09	37,37,37,37	0
59	MG	2A	3321	1/1	0.95	0.07	58,58,58,58	0
59	MG	1A	3980	1/1	0.95	0.09	39,39,39,39	0
59	MG	1A	4136	1/1	0.95	0.08	50,50,50,50	0
59	MG	2A	3604	1/1	0.95	0.10	46,46,46,46	0
59	MG	1A	3633	1/1	0.96	0.08	22,22,22,22	0
59	MG	2A	3660	1/1	0.96	0.07	76,76,76,76	0
59	MG	1A	3634	1/1	0.96	0.06	12,12,12,12	0
59	MG	1D	301	1/1	0.96	0.22	24,24,24,24	0
59	MG	1A	3635	1/1	0.96	0.07	8,8,8,8	0
59	MG	1A	3083	1/1	0.96	0.16	36,36,36,36	0
59	MG	1D	306	1/1	0.96	0.15	40,40,40,40	0
59	MG	2A	3408	1/1	0.96	0.11	56,56,56,56	0
59	MG	2A	3409	1/1	0.96	0.10	50,50,50,50	0
59	MG	1A	3922	1/1	0.96	0.08	41,41,41,41	0
59	MG	2A	3670	1/1	0.96	0.09	64,64,64,64	0
59	MG	1A	3923	1/1	0.96	0.06	46,46,46,46	0
59	MG	1A	3041	1/1	0.96	0.07	20,20,20,20	0
59	MG	1A	3369	1/1	0.96	0.27	31,31,31,31	0
59	MG	1A	3055	1/1	0.96	0.13	50,50,50,50	0
59	MG	1A	3520	1/1	0.96	0.13	16,16,16,16	0
59	MG	1A	3931	1/1	0.96	0.06	64,64,64,64	0
59	MG	1A	3932	1/1	0.96	0.05	49,49,49,49	0
59	MG	2A	3420	1/1	0.96	0.09	28,28,28,28	0
59	MG	2A	3679	1/1	0.96	0.10	79,79,79,79	0
59	MG	2A	3421	1/1	0.96	0.14	42,42,42,42	0
59	MG	1A	3933	1/1	0.96	0.08	25,25,25,25	0
59	MG	1A	3224	1/1	0.96	0.13	49,49,49,49	0
59	MG	2A	3424	1/1	0.96	0.08	31,31,31,31	0
59	MG	1x	106	1/1	0.96	0.20	57,57,57,57	0
59	MG	1A	3072	1/1	0.96	0.10	34,34,34,34	0
59	MG	2A	3429	1/1	0.96	0.06	56,56,56,56	0
59	MG	1E	310	1/1	0.96	0.11	34,34,34,34	0
59	MG	1E	311	1/1	0.96	0.10	15,15,15,15	0
59	MG	2A	3433	1/1	0.96	0.08	38,38,38,38	0
59	MG	1A	3776	1/1	0.96	0.07	55,55,55,55	0
59	MG	1A	4100	1/1	0.96	0.08	50,50,50,50	0
59	MG	1A	3941	1/1	0.96	0.08	30,30,30,30	0
59	MG	2A	3700	1/1	0.96	0.07	35,35,35,35	0
59	MG	2A	3437	1/1	0.96	0.13	48,48,48,48	0
59	MG	2A	3704	1/1	0.96	0.06	53,53,53,53	0
59	MG	1A	3135	1/1	0.96	0.19	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3439	1/1	0.96	0.06	32,32,32,32	0
59	MG	2a	3056	1/1	0.96	0.08	47,47,47,47	0
59	MG	1A	3524	1/1	0.96	0.13	31,31,31,31	0
59	MG	1F	304	1/1	0.96	0.11	21,21,21,21	0
59	MG	1F	305	1/1	0.96	0.16	27,27,27,27	0
59	MG	2A	3715	1/1	0.96	0.08	61,61,61,61	0
59	MG	2A	3444	1/1	0.96	0.10	31,31,31,31	0
59	MG	1A	3944	1/1	0.96	0.07	39,39,39,39	0
59	MG	2A	3719	1/1	0.96	0.06	64,64,64,64	0
59	MG	2A	3720	1/1	0.96	0.06	42,42,42,42	0
59	MG	1y	101	1/1	0.96	0.12	32,32,32,32	0
59	MG	1A	3056	1/1	0.96	0.11	24,24,24,24	0
59	MG	1A	3183	1/1	0.96	0.08	39,39,39,39	0
59	MG	2A	3449	1/1	0.96	0.11	17,17,17,17	0
59	MG	1A	3527	1/1	0.96	0.16	22,22,22,22	0
59	MG	1A	3279	1/1	0.96	0.13	45,45,45,45	0
59	MG	2A	3001	1/1	0.96	0.31	49,49,49,49	0
59	MG	1A	3038	1/1	0.96	0.10	30,30,30,30	0
59	MG	1A	3448	1/1	0.96	0.28	36,36,36,36	0
59	MG	1A	3139	1/1	0.96	0.09	29,29,29,29	0
59	MG	1A	3282	1/1	0.96	0.19	36,36,36,36	0
59	MG	1a	3417	1/1	0.96	0.32	50,50,50,50	0
59	MG	2A	3009	1/1	0.96	0.05	31,31,31,31	0
59	MG	2A	3463	1/1	0.96	0.08	43,43,43,43	0
59	MG	1N	3002	1/1	0.96	0.08	44,44,44,44	0
59	MG	2A	3013	1/1	0.96	0.09	47,47,47,47	0
59	MG	1N	3003	1/1	0.96	0.23	37,37,37,37	0
59	MG	1A	3384	1/1	0.96	0.07	40,40,40,40	0
59	MG	2A	3228	1/1	0.96	0.05	36,36,36,36	0
59	MG	1A	3453	1/1	0.96	0.09	18,18,18,18	0
59	MG	1A	3538	1/1	0.96	0.09	20,20,20,20	0
59	MG	2A	3746	1/1	0.96	0.09	48,48,48,48	0
59	MG	1A	3090	1/1	0.96	0.10	29,29,29,29	0
59	MG	1A	3386	1/1	0.96	0.07	47,47,47,47	0
59	MG	1A	4120	1/1	0.96	0.06	33,33,33,33	0
59	MG	1A	3043	1/1	0.96	0.10	21,21,21,21	0
59	MG	1A	3542	1/1	0.96	0.09	41,41,41,41	0
59	MG	1O	3005	1/1	0.96	0.13	40,40,40,40	0
59	MG	2A	3027	1/1	0.96	0.10	39,39,39,39	0
59	MG	1A	4123	1/1	0.96	0.06	46,46,46,46	0
59	MG	1A	3190	1/1	0.96	0.09	39,39,39,39	0
59	MG	1A	3458	1/1	0.96	0.07	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3759	1/1	0.96	0.08	52,52,52,52	0
59	MG	1Q	201	1/1	0.96	0.07	25,25,25,25	0
59	MG	1A	3112	1/1	0.96	0.13	33,33,33,33	0
59	MG	2A	3762	1/1	0.96	0.08	47,47,47,47	0
59	MG	1A	3460	1/1	0.96	0.12	50,50,50,50	0
59	MG	2A	3244	1/1	0.96	0.16	47,47,47,47	0
59	MG	1Q	206	1/1	0.96	0.07	39,39,39,39	0
59	MG	1A	3390	1/1	0.96	0.07	43,43,43,43	0
59	MG	1A	3334	1/1	0.96	0.11	39,39,39,39	0
59	MG	2A	3248	1/1	0.96	0.13	52,52,52,52	0
59	MG	1A	3974	1/1	0.96	0.07	17,17,17,17	0
59	MG	1A	3975	1/1	0.96	0.15	23,23,23,23	0
59	MG	1A	3805	1/1	0.96	0.25	30,30,30,30	0
59	MG	1A	3979	1/1	0.96	0.06	35,35,35,35	0
59	MG	1A	3144	1/1	0.96	0.39	35,35,35,35	0
59	MG	1A	3555	1/1	0.96	0.09	48,48,48,48	0
59	MG	1A	3194	1/1	0.96	0.20	45,45,45,45	0
59	MG	1A	3558	1/1	0.96	0.07	15,15,15,15	0
59	MG	1A	3337	1/1	0.96	0.17	48,48,48,48	0
59	MG	1A	3060	1/1	0.96	0.31	26,26,26,26	0
59	MG	2A	3502	1/1	0.96	0.15	42,42,42,42	0
59	MG	1a	3450	1/1	0.96	0.13	51,51,51,51	0
59	MG	1a	3452	1/1	0.96	0.06	40,40,40,40	0
59	MG	1W	203	1/1	0.96	0.18	29,29,29,29	0
59	MG	1X	3001	1/1	0.96	0.13	30,30,30,30	0
59	MG	1a	3455	1/1	0.96	0.05	27,27,27,27	0
59	MG	1a	3456	1/1	0.96	0.14	32,32,32,32	0
59	MG	1A	3471	1/1	0.96	0.11	30,30,30,30	0
59	MG	1A	3565	1/1	0.96	0.06	28,28,28,28	0
59	MG	2a	3129	1/1	0.96	0.09	75,75,75,75	0
59	MG	1A	3472	1/1	0.96	0.10	26,26,26,26	0
59	MG	1A	3568	1/1	0.96	0.07	15,15,15,15	0
59	MG	1Z	301	1/1	0.96	0.11	34,34,34,34	0
59	MG	1A	3146	1/1	0.96	0.12	34,34,34,34	0
59	MG	1A	3820	1/1	0.96	0.08	13,13,13,13	0
59	MG	2A	3063	1/1	0.96	0.05	40,40,40,40	0
59	MG	2A	3519	1/1	0.96	0.11	62,62,62,62	0
59	MG	1A	3570	1/1	0.96	0.10	24,24,24,24	0
59	MG	1A	3198	1/1	0.96	0.21	27,27,27,27	0
59	MG	10	103	1/1	0.96	0.11	35,35,35,35	0
59	MG	2a	3142	1/1	0.96	0.06	67,67,67,67	0
59	MG	2A	3276	1/1	0.96	0.12	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	3694	1/1	0.96	0.08	29,29,29,29	0
59	MG	1A	3475	1/1	0.96	0.11	53,53,53,53	0
59	MG	2A	3802	1/1	0.96	0.07	35,35,35,35	0
59	MG	1A	3696	1/1	0.96	0.09	30,30,30,30	0
59	MG	1A	3398	1/1	0.96	0.10	49,49,49,49	0
59	MG	2A	3282	1/1	0.96	0.28	54,54,54,54	0
59	MG	1A	3114	1/1	0.96	0.11	36,36,36,36	0
59	MG	2A	3807	1/1	0.96	0.09	38,38,38,38	0
59	MG	1A	4159	1/1	0.96	0.08	34,34,34,34	0
59	MG	1I	102	1/1	0.96	0.07	25,25,25,25	0
59	MG	1A	3293	1/1	0.96	0.09	49,49,49,49	0
59	MG	1A	3700	1/1	0.96	0.06	20,20,20,20	0
59	MG	1a	3485	1/1	0.96	0.06	49,49,49,49	0
59	MG	1A	3094	1/1	0.96	0.25	28,28,28,28	0
59	MG	1A	4163	1/1	0.96	0.15	53,53,53,53	0
59	MG	1A	4164	1/1	0.96	0.07	39,39,39,39	0
59	MG	1A	3704	1/1	0.96	0.08	13,13,13,13	0
59	MG	16	101	1/1	0.96	0.10	32,32,32,32	0
59	MG	2A	3540	1/1	0.96	0.11	48,48,48,48	0
59	MG	1A	3836	1/1	0.96	0.07	36,36,36,36	0
59	MG	1A	3403	1/1	0.96	0.22	33,33,33,33	0
59	MG	2A	3825	1/1	0.96	0.07	42,42,42,42	0
59	MG	2A	3826	1/1	0.96	0.07	54,54,54,54	0
59	MG	2A	3296	1/1	0.96	0.15	33,33,33,33	0
59	MG	1A	3838	1/1	0.96	0.13	26,26,26,26	0
59	MG	18	102	1/1	0.96	0.21	37,37,37,37	0
59	MG	2A	3830	1/1	0.96	0.21	32,32,32,32	0
59	MG	1A	3707	1/1	0.96	0.07	57,57,57,57	0
59	MG	1A	3581	1/1	0.96	0.07	22,22,22,22	0
59	MG	1a	3500	1/1	0.96	0.07	64,64,64,64	0
59	MG	1A	3583	1/1	0.96	0.06	50,50,50,50	0
59	MG	1A	3018	1/1	0.96	0.05	8,8,8,8	0
59	MG	1A	3119	1/1	0.96	0.06	33,33,33,33	0
59	MG	2A	3552	1/1	0.96	0.06	54,54,54,54	0
59	MG	1A	3346	1/1	0.96	0.19	52,52,52,52	0
59	MG	1A	3715	1/1	0.96	0.06	62,62,62,62	0
59	MG	1a	3306	1/1	0.96	0.14	48,48,48,48	0
59	MG	1a	3307	1/1	0.96	0.24	51,51,51,51	0
59	MG	2A	3098	1/1	0.96	0.19	47,47,47,47	0
59	MG	1a	3308	1/1	0.96	0.07	44,44,44,44	0
59	MG	1A	4182	1/1	0.96	0.20	23,23,23,23	0
59	MG	1a	3512	1/1	0.96	0.07	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	3587	1/1	0.96	0.07	51,51,51,51	0
59	MG	1A	4022	1/1	0.96	0.08	39,39,39,39	0
59	MG	1A	3588	1/1	0.96	0.07	30,30,30,30	0
59	MG	1A	3407	1/1	0.96	0.11	46,46,46,46	0
59	MG	1a	3319	1/1	0.96	0.05	34,34,34,34	0
59	MG	2A	3107	1/1	0.96	0.21	44,44,44,44	0
59	MG	1A	3590	1/1	0.96	0.09	40,40,40,40	0
59	MG	2a	3197	1/1	0.96	0.10	54,54,54,54	0
59	MG	1A	3156	1/1	0.96	0.10	58,58,58,58	0
59	MG	1A	3593	1/1	0.96	0.07	18,18,18,18	0
59	MG	1A	3864	1/1	0.96	0.09	43,43,43,43	0
59	MG	1A	4032	1/1	0.96	0.07	48,48,48,48	0
59	MG	1A	3868	1/1	0.96	0.06	30,30,30,30	0
59	MG	1A	4034	1/1	0.96	0.07	61,61,61,61	0
59	MG	1A	3096	1/1	0.96	0.14	32,32,32,32	0
59	MG	1A	4198	1/1	0.96	0.12	22,22,22,22	0
59	MG	1A	3871	1/1	0.96	0.05	54,54,54,54	0
59	MG	1A	3726	1/1	0.96	0.06	14,14,14,14	0
59	MG	1a	3332	1/1	0.96	0.12	38,38,38,38	0
59	MG	2A	3331	1/1	0.96	0.06	58,58,58,58	0
59	MG	1A	3208	1/1	0.96	0.19	33,33,33,33	0
59	MG	1A	4208	1/1	0.96	0.29	29,29,29,29	0
59	MG	2A	3129	1/1	0.96	0.17	48,48,48,48	0
59	MG	2A	3130	1/1	0.96	0.24	46,46,46,46	0
59	MG	1A	3158	1/1	0.96	0.10	44,44,44,44	0
59	MG	1A	3122	1/1	0.96	0.22	28,28,28,28	0
59	MG	1A	4213	1/1	0.96	0.12	24,24,24,24	0
59	MG	2A	3135	1/1	0.96	0.16	58,58,58,58	0
59	MG	2a	3218	1/1	0.96	0.07	63,63,63,63	0
59	MG	1A	4220	1/1	0.96	0.12	24,24,24,24	0
59	MG	1A	3123	1/1	0.96	0.23	28,28,28,28	0
59	MG	1A	4223	1/1	0.96	0.13	39,39,39,39	0
59	MG	1A	3417	1/1	0.96	0.17	36,36,36,36	0
59	MG	1a	3342	1/1	0.96	0.06	42,42,42,42	0
59	MG	1A	4227	1/1	0.96	0.17	32,32,32,32	0
59	MG	1A	3602	1/1	0.96	0.06	19,19,19,19	0
59	MG	1A	3736	1/1	0.96	0.11	15,15,15,15	0
59	MG	2a	3227	1/1	0.96	0.17	45,45,45,45	0
59	MG	1A	4047	1/1	0.96	0.12	31,31,31,31	0
59	MG	1a	3347	1/1	0.96	0.12	40,40,40,40	0
59	MG	2a	3230	1/1	0.96	0.07	68,68,68,68	0
59	MG	1A	3739	1/1	0.96	0.30	26,26,26,26	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3351	1/1	0.96	0.07	56,56,56,56	0
59	MG	1A	4049	1/1	0.96	0.06	36,36,36,36	0
59	MG	1A	3886	1/1	0.96	0.06	38,38,38,38	0
59	MG	1A	3079	1/1	0.96	0.11	46,46,46,46	0
59	MG	1a	3352	1/1	0.96	0.16	42,42,42,42	0
59	MG	1B	206	1/1	0.96	0.25	50,50,50,50	0
59	MG	1A	3165	1/1	0.96	0.23	22,22,22,22	0
59	MG	1A	3355	1/1	0.96	0.12	30,30,30,30	0
59	MG	2A	3360	1/1	0.96	0.12	50,50,50,50	0
59	MG	2f	3001	1/1	0.96	0.08	38,38,38,38	0
59	MG	1A	3743	1/1	0.96	0.09	38,38,38,38	0
59	MG	2A	3616	1/1	0.96	0.08	37,37,37,37	0
59	MG	1A	3499	1/1	0.96	0.07	46,46,46,46	0
59	MG	1A	3894	1/1	0.96	0.06	43,43,43,43	0
59	MG	1A	3064	1/1	0.96	0.12	19,19,19,19	0
59	MG	1A	3040	1/1	0.96	0.12	30,30,30,30	0
59	MG	2A	3160	1/1	0.96	0.06	48,48,48,48	0
59	MG	1A	3747	1/1	0.96	0.15	26,26,26,26	0
59	MG	1A	3168	1/1	0.96	0.35	38,38,38,38	0
59	MG	2A	3163	1/1	0.96	0.07	57,57,57,57	0
59	MG	1A	3619	1/1	0.96	0.07	19,19,19,19	0
59	MG	1a	3577	1/1	0.96	0.08	50,50,50,50	0
59	MG	1A	3621	1/1	0.96	0.11	25,25,25,25	0
59	MG	1A	3901	1/1	0.96	0.06	59,59,59,59	0
59	MG	1A	3309	1/1	0.96	0.10	56,56,56,56	0
59	MG	20	3003	1/1	0.96	0.10	50,50,50,50	0
59	MG	1A	4069	1/1	0.96	0.08	48,48,48,48	0
59	MG	2A	3379	1/1	0.96	0.07	24,24,24,24	0
59	MG	25	102	1/1	0.96	0.18	53,53,53,53	0
59	MG	1A	3169	1/1	0.96	0.06	34,34,34,34	0
59	MG	1B	224	1/1	0.96	0.16	52,52,52,52	0
59	MG	2A	3383	1/1	0.96	0.14	31,31,31,31	0
59	MG	1A	3755	1/1	0.96	0.06	24,24,24,24	0
59	MG	2A	3638	1/1	0.96	0.11	55,55,55,55	0
59	MG	1k	201	1/1	0.96	0.10	39,39,39,39	0
59	MG	1A	3624	1/1	0.96	0.05	14,14,14,14	0
59	MG	1A	3361	1/1	0.96	0.09	35,35,35,35	0
59	MG	1A	3267	1/1	0.96	0.12	42,42,42,42	0
59	MG	2A	3645	1/1	0.96	0.06	51,51,51,51	0
59	MG	1A	3219	1/1	0.96	0.07	51,51,51,51	0
59	MG	2A	3649	1/1	0.96	0.08	47,47,47,47	0
59	MG	1A	3509	1/1	0.96	0.16	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1a	3376	1/1	0.96	0.15	62,62,62,62	0
59	MG	2A	3396	1/1	0.96	0.07	41,41,41,41	0
59	MG	1A	3127	1/1	0.96	0.17	37,37,37,37	0
59	MG	2A	3398	1/1	0.96	0.15	50,50,50,50	0
59	MG	1A	3315	1/1	0.96	0.19	34,34,34,34	0
59	MG	1A	3316	1/1	0.96	0.10	15,15,15,15	0
59	MG	B	3001	1/1	0.96	0.14	46,46,46,46	0
60	ZN	24	501	1/1	0.96	0.10	111,111,111,111	0
59	MG	1G	3005	1/1	0.97	0.08	51,51,51,51	0
59	MG	1A	4023	1/1	0.97	0.04	49,49,49,49	0
59	MG	1a	3383	1/1	0.97	0.21	43,43,43,43	0
59	MG	1A	3610	1/1	0.97	0.06	19,19,19,19	0
59	MG	1A	3027	1/1	0.97	0.20	30,30,30,30	0
59	MG	1A	3613	1/1	0.97	0.09	36,36,36,36	0
59	MG	1A	3243	1/1	0.97	0.32	28,28,28,28	0
59	MG	2a	3070	1/1	0.97	0.15	60,60,60,60	0
59	MG	1A	4029	1/1	0.97	0.06	46,46,46,46	0
59	MG	1A	3421	1/1	0.97	0.13	33,33,33,33	0
59	MG	1A	3477	1/1	0.97	0.10	31,31,31,31	0
59	MG	1A	3703	1/1	0.97	0.06	55,55,55,55	0
59	MG	1A	3908	1/1	0.97	0.06	55,55,55,55	0
59	MG	1A	3244	1/1	0.97	0.16	24,24,24,24	0
59	MG	1l	201	1/1	0.97	0.12	30,30,30,30	0
59	MG	1A	4035	1/1	0.97	0.10	35,35,35,35	0
59	MG	1O	3004	1/1	0.97	0.05	48,48,48,48	0
59	MG	1A	3204	1/1	0.97	0.18	23,23,23,23	0
59	MG	1A	3797	1/1	0.97	0.14	35,35,35,35	0
59	MG	1P	201	1/1	0.97	0.21	23,23,23,23	0
59	MG	1P	202	1/1	0.97	0.30	25,25,25,25	0
59	MG	1A	3706	1/1	0.97	0.04	28,28,28,28	0
59	MG	1A	3136	1/1	0.97	0.25	26,26,26,26	0
59	MG	1A	4040	1/1	0.97	0.06	36,36,36,36	0
59	MG	1a	3403	1/1	0.97	0.10	28,28,28,28	0
59	MG	1Q	202	1/1	0.97	0.10	37,37,37,37	0
59	MG	1A	4169	1/1	0.97	0.08	22,22,22,22	0
59	MG	1A	4170	1/1	0.97	0.10	23,23,23,23	0
59	MG	1Q	205	1/1	0.97	0.06	37,37,37,37	0
59	MG	1A	3248	1/1	0.97	0.11	36,36,36,36	0
59	MG	2a	3094	1/1	0.97	0.15	48,48,48,48	0
59	MG	1A	3069	1/1	0.97	0.12	28,28,28,28	0
59	MG	2A	3356	1/1	0.97	0.10	18,18,18,18	0
59	MG	1R	202	1/1	0.97	0.41	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	3917	1/1	0.97	0.09	15,15,15,15	0
59	MG	1A	3710	1/1	0.97	0.06	18,18,18,18	0
59	MG	1A	3070	1/1	0.97	0.13	25,25,25,25	0
59	MG	1A	3379	1/1	0.97	0.09	37,37,37,37	0
59	MG	1A	3098	1/1	0.97	0.19	30,30,30,30	0
59	MG	1A	3099	1/1	0.97	0.19	31,31,31,31	0
59	MG	1U	201	1/1	0.97	0.19	27,27,27,27	0
59	MG	1A	3548	1/1	0.97	0.07	38,38,38,38	0
59	MG	1A	4181	1/1	0.97	0.27	33,33,33,33	0
59	MG	1U	205	1/1	0.97	0.23	29,29,29,29	0
59	MG	1V	201	1/1	0.97	0.13	33,33,33,33	0
59	MG	1a	3422	1/1	0.97	0.17	50,50,50,50	0
59	MG	1A	3718	1/1	0.97	0.05	39,39,39,39	0
59	MG	1A	4183	1/1	0.97	0.06	34,34,34,34	0
59	MG	1A	3549	1/1	0.97	0.07	40,40,40,40	0
59	MG	1A	3929	1/1	0.97	0.09	52,52,52,52	0
59	MG	2A	3818	1/1	0.97	0.07	63,63,63,63	0
59	MG	1W	204	1/1	0.97	0.13	32,32,32,32	0
59	MG	1W	205	1/1	0.97	0.16	23,23,23,23	0
59	MG	1A	3117	1/1	0.97	0.20	25,25,25,25	0
59	MG	1A	3383	1/1	0.97	0.11	38,38,38,38	0
59	MG	1A	3142	1/1	0.97	0.14	36,36,36,36	0
59	MG	1A	3256	1/1	0.97	0.05	27,27,27,27	0
59	MG	1A	3176	1/1	0.97	0.06	35,35,35,35	0
59	MG	1A	3725	1/1	0.97	0.06	41,41,41,41	0
59	MG	1A	4062	1/1	0.97	0.05	34,34,34,34	0
59	MG	1A	3939	1/1	0.97	0.06	36,36,36,36	0
59	MG	2A	3389	1/1	0.97	0.06	33,33,33,33	0
59	MG	1A	3557	1/1	0.97	0.04	23,23,23,23	0
59	MG	1A	3118	1/1	0.97	0.22	33,33,33,33	0
59	MG	2A	3833	1/1	0.97	0.07	47,47,47,47	0
59	MG	10	102	1/1	0.97	0.08	43,43,43,43	0
59	MG	2A	3393	1/1	0.97	0.06	27,27,27,27	0
59	MG	1A	3559	1/1	0.97	0.08	28,28,28,28	0
59	MG	2A	3007	1/1	0.97	0.12	40,40,40,40	0
59	MG	1A	4201	1/1	0.97	0.07	32,32,32,32	0
59	MG	1A	3009	1/1	0.97	0.09	25,25,25,25	0
59	MG	1A	4204	1/1	0.97	0.09	29,29,29,29	0
59	MG	1A	3731	1/1	0.97	0.07	33,33,33,33	0
59	MG	2A	3014	1/1	0.97	0.06	29,29,29,29	0
59	MG	1A	3495	1/1	0.97	0.06	46,46,46,46	0
59	MG	1A	3733	1/1	0.97	0.04	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	4209	1/1	0.97	0.12	21,21,21,21	0
59	MG	1A	4071	1/1	0.97	0.07	50,50,50,50	0
59	MG	1A	4211	1/1	0.97	0.14	23,23,23,23	0
59	MG	1a	3451	1/1	0.97	0.10	43,43,43,43	0
59	MG	1A	3260	1/1	0.97	0.06	32,32,32,32	0
59	MG	1A	3829	1/1	0.97	0.08	38,38,38,38	0
59	MG	1A	4214	1/1	0.97	0.29	36,36,36,36	0
59	MG	15	102	1/1	0.97	0.13	25,25,25,25	0
59	MG	1A	4215	1/1	0.97	0.35	31,31,31,31	0
59	MG	1A	4218	1/1	0.97	0.18	24,24,24,24	0
59	MG	16	103	1/1	0.97	0.05	49,49,49,49	0
59	MG	1A	3101	1/1	0.97	0.18	30,30,30,30	0
59	MG	1A	3566	1/1	0.97	0.06	13,13,13,13	0
59	MG	17	102	1/1	0.97	0.06	46,46,46,46	0
59	MG	1a	3463	1/1	0.97	0.16	44,44,44,44	0
59	MG	2A	3034	1/1	0.97	0.08	50,50,50,50	0
59	MG	1A	4222	1/1	0.97	0.22	31,31,31,31	0
59	MG	1A	3646	1/1	0.97	0.06	8,8,8,8	0
59	MG	2A	3426	1/1	0.97	0.06	23,23,23,23	0
59	MG	2A	3635	1/1	0.97	0.07	62,62,62,62	0
59	MG	1A	3953	1/1	0.97	0.05	64,64,64,64	0
59	MG	1A	3954	1/1	0.97	0.06	49,49,49,49	0
59	MG	2A	3039	1/1	0.97	0.14	23,23,23,23	0
59	MG	2a	3168	1/1	0.97	0.18	54,54,54,54	0
59	MG	1A	3032	1/1	0.97	0.19	26,26,26,26	0
59	MG	1A	4080	1/1	0.97	0.09	28,28,28,28	0
59	MG	1A	3148	1/1	0.97	0.18	26,26,26,26	0
59	MG	1a	3474	1/1	0.97	0.07	42,42,42,42	0
59	MG	1A	3501	1/1	0.97	0.16	41,41,41,41	0
59	MG	2D	303	1/1	0.97	0.03	20,20,20,20	0
59	MG	2A	3647	1/1	0.97	0.06	39,39,39,39	0
59	MG	1A	3008	1/1	0.97	0.04	16,16,16,16	0
59	MG	1A	3963	1/1	0.97	0.07	37,37,37,37	0
59	MG	1A	3185	1/1	0.97	0.22	36,36,36,36	0
59	MG	1A	3150	1/1	0.97	0.13	30,30,30,30	0
59	MG	1A	3151	1/1	0.97	0.05	15,15,15,15	0
59	MG	1a	3312	1/1	0.97	0.11	62,62,62,62	0
59	MG	2A	3442	1/1	0.97	0.11	24,24,24,24	0
59	MG	1A	3017	1/1	0.97	0.04	28,28,28,28	0
59	MG	1A	3189	1/1	0.97	0.29	43,43,43,43	0
59	MG	1A	3845	1/1	0.97	0.19	33,33,33,33	0
59	MG	2A	3659	1/1	0.97	0.05	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1a	3316	1/1	0.97	0.10	40,40,40,40	0
59	MG	1A	3750	1/1	0.97	0.09	42,42,42,42	0
59	MG	2N	8001	1/1	0.97	0.07	45,45,45,45	0
59	MG	1a	3318	1/1	0.97	0.04	43,43,43,43	0
59	MG	1A	3024	1/1	0.97	0.24	19,19,19,19	0
59	MG	1A	4094	1/1	0.97	0.10	35,35,35,35	0
59	MG	1A	3658	1/1	0.97	0.04	39,39,39,39	0
59	MG	1A	3026	1/1	0.97	0.36	28,28,28,28	0
59	MG	2A	3061	1/1	0.97	0.10	42,42,42,42	0
59	MG	2A	3454	1/1	0.97	0.07	36,36,36,36	0
59	MG	1a	3496	1/1	0.97	0.11	66,66,66,66	0
59	MG	1A	3660	1/1	0.97	0.06	40,40,40,40	0
59	MG	1a	3498	1/1	0.97	0.07	63,63,63,63	0
59	MG	1A	3851	1/1	0.97	0.09	43,43,43,43	0
59	MG	1A	3852	1/1	0.97	0.12	36,36,36,36	0
59	MG	1A	3978	1/1	0.97	0.06	38,38,38,38	0
59	MG	1A	3853	1/1	0.97	0.05	33,33,33,33	0
59	MG	1A	3856	1/1	0.97	0.06	39,39,39,39	0
59	MG	1A	3580	1/1	0.97	0.04	23,23,23,23	0
59	MG	1A	3858	1/1	0.97	0.07	22,22,22,22	0
59	MG	1A	3054	1/1	0.97	0.11	24,24,24,24	0
59	MG	1B	228	1/1	0.97	0.06	30,30,30,30	0
59	MG	2A	3683	1/1	0.97	0.08	53,53,53,53	0
59	MG	1A	3757	1/1	0.97	0.04	39,39,39,39	0
59	MG	1A	3108	1/1	0.97	0.23	26,26,26,26	0
59	MG	1A	3863	1/1	0.97	0.04	9,9,9,9	0
59	MG	1A	3512	1/1	0.97	0.09	40,40,40,40	0
59	MG	1A	3867	1/1	0.97	0.05	36,36,36,36	0
59	MG	2A	3476	1/1	0.97	0.07	43,43,43,43	0
59	MG	1a	3518	1/1	0.97	0.06	32,32,32,32	0
59	MG	2A	3693	1/1	0.97	0.10	32,32,32,32	0
59	MG	2A	3694	1/1	0.97	0.05	28,28,28,28	0
59	MG	1A	3667	1/1	0.97	0.06	36,36,36,36	0
59	MG	1a	3520	1/1	0.97	0.06	60,60,60,60	0
59	MG	1a	3524	1/1	0.97	0.05	71,71,71,71	0
59	MG	1A	3669	1/1	0.97	0.06	38,38,38,38	0
59	MG	1A	3066	1/1	0.97	0.15	27,27,27,27	0
59	MG	1B	237	1/1	0.97	0.06	39,39,39,39	0
59	MG	1A	3873	1/1	0.97	0.04	30,30,30,30	0
59	MG	2A	3705	1/1	0.97	0.05	49,49,49,49	0
59	MG	1A	3993	1/1	0.97	0.05	20,20,20,20	0
59	MG	1A	3994	1/1	0.97	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
59	MG	1D	303	1/1	0.97	0.19	35,35,35,35	0
59	MG	1a	3533	1/1	0.97	0.06	59,59,59,59	0
59	MG	2A	3710	1/1	0.97	0.08	34,34,34,34	0
59	MG	2A	3489	1/1	0.97	0.07	32,32,32,32	0
59	MG	2A	3092	1/1	0.97	0.13	32,32,32,32	0
59	MG	1a	3534	1/1	0.97	0.06	45,45,45,45	0
59	MG	1D	304	1/1	0.97	0.14	38,38,38,38	0
59	MG	1A	3514	1/1	0.97	0.29	53,53,53,53	0
59	MG	1A	3764	1/1	0.97	0.06	54,54,54,54	0
59	MG	1A	3196	1/1	0.97	0.17	26,26,26,26	0
59	MG	2a	3239	1/1	0.97	0.13	42,42,42,42	0
59	MG	1A	3998	1/1	0.97	0.06	13,13,13,13	0
59	MG	1A	3093	1/1	0.97	0.06	35,35,35,35	0
59	MG	1A	3080	1/1	0.97	0.12	16,16,16,16	0
59	MG	1A	3408	1/1	0.97	0.18	32,32,32,32	0
59	MG	1A	4004	1/1	0.97	0.06	43,43,43,43	0
59	MG	1E	303	1/1	0.97	0.21	33,33,33,33	0
59	MG	1E	304	1/1	0.97	0.13	27,27,27,27	0
59	MG	1A	3519	1/1	0.97	0.10	46,46,46,46	0
59	MG	1A	3592	1/1	0.97	0.04	17,17,17,17	0
59	MG	1A	3162	1/1	0.97	0.29	30,30,30,30	0
59	MG	2A	3506	1/1	0.97	0.13	42,42,42,42	0
59	MG	1A	4008	1/1	0.97	0.10	54,54,54,54	0
59	MG	1A	3885	1/1	0.97	0.10	47,47,47,47	0
59	MG	1a	3552	1/1	0.97	0.13	55,55,55,55	0
59	MG	2A	3112	1/1	0.97	0.04	33,33,33,33	0
59	MG	2A	3113	1/1	0.97	0.10	38,38,38,38	0
59	MG	1A	4132	1/1	0.97	0.12	37,37,37,37	0
59	MG	2A	3115	1/1	0.97	0.28	36,36,36,36	0
59	MG	2A	3743	1/1	0.97	0.04	40,40,40,40	0
59	MG	2A	3116	1/1	0.97	0.24	35,35,35,35	0
59	MG	1A	4133	1/1	0.97	0.04	35,35,35,35	0
59	MG	1A	3200	1/1	0.97	0.15	37,37,37,37	0
59	MG	2A	3120	1/1	0.97	0.12	34,34,34,34	0
59	MG	1A	3323	1/1	0.97	0.45	28,28,28,28	0
59	MG	1A	3466	1/1	0.97	0.22	24,24,24,24	0
59	MG	1A	3467	1/1	0.97	0.09	28,28,28,28	0
59	MG	1A	3598	1/1	0.97	0.06	24,24,24,24	0
59	MG	1A	3412	1/1	0.97	0.08	37,37,37,37	0
59	MG	1A	3236	1/1	0.97	0.15	34,34,34,34	0
59	MG	2a	3048	1/1	0.97	0.16	42,42,42,42	0
59	MG	1A	3601	1/1	0.97	0.05	12,12,12,12	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3756	1/1	0.97	0.10	51,51,51,51	0
59	MG	1a	3563	1/1	0.97	0.10	50,50,50,50	0
59	MG	1A	3414	1/1	0.97	0.05	42,42,42,42	0
59	MG	2a	3054	1/1	0.97	0.17	41,41,41,41	0
59	MG	1F	308	1/1	0.97	0.08	45,45,45,45	0
59	MG	1A	4143	1/1	0.97	0.12	16,16,16,16	0
59	MG	1A	3134	1/1	0.97	0.15	24,24,24,24	0
59	MG	1G	3001	1/1	0.97	0.14	32,32,32,32	0
59	MG	1A	3164	1/1	0.97	0.26	27,27,27,27	0
59	MG	2A	3136	1/1	0.97	0.19	33,33,33,33	0
59	MG	1A	4146	1/1	0.97	0.06	26,26,26,26	0
60	ZN	14	501	1/1	0.97	0.06	87,87,87,87	0
59	MG	1A	3240	1/1	0.97	0.17	31,31,31,31	0
60	ZN	2n	501	1/1	0.97	0.05	90,90,90,90	0
62	K	2A	3849	1/1	0.97	0.05	47,47,47,47	0
59	MG	1A	3073	1/1	0.98	0.17	26,26,26,26	0
59	MG	1A	3238	1/1	0.98	0.23	41,41,41,41	0
59	MG	1a	3488	1/1	0.98	0.05	39,39,39,39	0
59	MG	1A	3712	1/1	0.98	0.05	43,43,43,43	0
59	MG	1U	203	1/1	0.98	0.21	22,22,22,22	0
59	MG	1A	3061	1/1	0.98	0.09	8,8,8,8	0
59	MG	1B	207	1/1	0.98	0.03	32,32,32,32	0
59	MG	2A	3711	1/1	0.98	0.05	50,50,50,50	0
59	MG	1A	3855	1/1	0.98	0.07	51,51,51,51	0
59	MG	2A	3714	1/1	0.98	0.06	66,66,66,66	0
59	MG	1A	3463	1/1	0.98	0.18	24,24,24,24	0
59	MG	2A	3716	1/1	0.98	0.07	56,56,56,56	0
59	MG	2A	3132	1/1	0.98	0.07	21,21,21,21	0
59	MG	2A	3406	1/1	0.98	0.07	39,39,39,39	0
59	MG	1A	3003	1/1	0.98	0.06	16,16,16,16	0
59	MG	2a	3130	1/1	0.98	0.06	79,79,79,79	0
59	MG	1A	3465	1/1	0.98	0.18	27,27,27,27	0
59	MG	2A	3721	1/1	0.98	0.03	17,17,17,17	0
59	MG	1A	3241	1/1	0.98	0.15	24,24,24,24	0
59	MG	1A	3546	1/1	0.98	0.05	37,37,37,37	0
59	MG	1A	3401	1/1	0.98	0.06	28,28,28,28	0
59	MG	1A	3862	1/1	0.98	0.04	38,38,38,38	0
59	MG	2a	3137	1/1	0.98	0.07	68,68,68,68	0
59	MG	1X	3002	1/1	0.98	0.06	28,28,28,28	0
59	MG	1a	3502	1/1	0.98	0.06	67,67,67,67	0
59	MG	1X	3003	1/1	0.98	0.14	32,32,32,32	0
59	MG	1A	3785	1/1	0.98	0.10	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3563	1/1	0.98	0.04	52,52,52,52	0
59	MG	1A	3029	1/1	0.98	0.07	29,29,29,29	0
59	MG	2A	3419	1/1	0.98	0.06	28,28,28,28	0
59	MG	1A	3865	1/1	0.98	0.04	42,42,42,42	0
59	MG	2a	3147	1/1	0.98	0.04	59,59,59,59	0
59	MG	2A	3011	1/1	0.98	0.06	38,38,38,38	0
59	MG	2A	3012	1/1	0.98	0.05	35,35,35,35	0
59	MG	1A	3373	1/1	0.98	0.12	29,29,29,29	0
59	MG	1A	3550	1/1	0.98	0.06	14,14,14,14	0
59	MG	2A	3425	1/1	0.98	0.09	47,47,47,47	0
59	MG	1a	3509	1/1	0.98	0.04	61,61,61,61	0
59	MG	1A	3434	1/1	0.98	0.14	21,21,21,21	0
59	MG	2a	3155	1/1	0.98	0.05	72,72,72,72	0
59	MG	1A	3960	1/1	0.98	0.07	16,16,16,16	0
59	MG	1A	4050	1/1	0.98	0.08	45,45,45,45	0
59	MG	2A	3020	1/1	0.98	0.05	24,24,24,24	0
59	MG	2X	3002	1/1	0.98	0.08	47,47,47,47	0
59	MG	2A	3577	1/1	0.98	0.05	36,36,36,36	0
59	MG	1A	3961	1/1	0.98	0.04	37,37,37,37	0
59	MG	20	3002	1/1	0.98	0.09	51,51,51,51	0
59	MG	2A	3432	1/1	0.98	0.07	26,26,26,26	0
59	MG	1a	3516	1/1	0.98	0.10	64,64,64,64	0
59	MG	2A	3750	1/1	0.98	0.05	51,51,51,51	0
59	MG	1A	3870	1/1	0.98	0.04	29,29,29,29	0
59	MG	1A	3790	1/1	0.98	0.12	35,35,35,35	0
59	MG	1A	3872	1/1	0.98	0.09	48,48,48,48	0
59	MG	1A	3791	1/1	0.98	0.04	34,34,34,34	0
59	MG	2A	3586	1/1	0.98	0.04	46,46,46,46	0
59	MG	1a	3522	1/1	0.98	0.06	66,66,66,66	0
59	MG	1A	3435	1/1	0.98	0.22	28,28,28,28	0
59	MG	1A	3793	1/1	0.98	0.09	46,46,46,46	0
59	MG	1A	3553	1/1	0.98	0.05	20,20,20,20	0
59	MG	1A	3727	1/1	0.98	0.08	15,15,15,15	0
59	MG	2A	3592	1/1	0.98	0.04	23,23,23,23	0
59	MG	1A	3160	1/1	0.98	0.32	36,36,36,36	0
59	MG	1a	3529	1/1	0.98	0.04	53,53,53,53	0
59	MG	1A	3437	1/1	0.98	0.12	48,48,48,48	0
59	MG	1A	3604	1/1	0.98	0.05	27,27,27,27	0
59	MG	12	3002	1/1	0.98	0.13	36,36,36,36	0
59	MG	1A	3882	1/1	0.98	0.06	45,45,45,45	0
59	MG	1A	3605	1/1	0.98	0.05	14,14,14,14	0
59	MG	1A	3606	1/1	0.98	0.07	17,17,17,17	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	3268	1/1	0.98	0.12	32,32,32,32	0
59	MG	1A	3030	1/1	0.98	0.16	14,14,14,14	0
59	MG	1a	3538	1/1	0.98	0.09	44,44,44,44	0
59	MG	1A	3887	1/1	0.98	0.08	50,50,50,50	0
59	MG	1A	4165	1/1	0.98	0.09	9,9,9,9	0
59	MG	2A	3456	1/1	0.98	0.04	50,50,50,50	0
59	MG	1D	307	1/1	0.98	0.18	24,24,24,24	0
59	MG	2A	3609	1/1	0.98	0.03	44,44,44,44	0
59	MG	1A	4166	1/1	0.98	0.07	11,11,11,11	0
59	MG	1D	309	1/1	0.98	0.10	37,37,37,37	0
59	MG	1A	3609	1/1	0.98	0.04	17,17,17,17	0
59	MG	1A	3672	1/1	0.98	0.04	42,42,42,42	0
59	MG	1A	3890	1/1	0.98	0.05	50,50,50,50	0
59	MG	1A	3738	1/1	0.98	0.03	27,27,27,27	0
59	MG	1A	3245	1/1	0.98	0.24	21,21,21,21	0
59	MG	1A	3611	1/1	0.98	0.06	17,17,17,17	0
59	MG	1A	3047	1/1	0.98	0.05	19,19,19,19	0
59	MG	1A	3297	1/1	0.98	0.05	43,43,43,43	0
59	MG	1A	3147	1/1	0.98	0.36	26,26,26,26	0
59	MG	1A	3562	1/1	0.98	0.08	18,18,18,18	0
59	MG	2A	3790	1/1	0.98	0.11	37,37,37,37	0
59	MG	1A	4081	1/1	0.98	0.04	14,14,14,14	0
59	MG	1A	3563	1/1	0.98	0.05	37,37,37,37	0
59	MG	2A	3624	1/1	0.98	0.05	44,44,44,44	0
59	MG	1A	3814	1/1	0.98	0.03	22,22,22,22	0
59	MG	2A	3475	1/1	0.98	0.04	48,48,48,48	0
59	MG	1a	3310	1/1	0.98	0.08	19,19,19,19	0
59	MG	1a	3311	1/1	0.98	0.04	45,45,45,45	0
59	MG	1A	4180	1/1	0.98	0.19	28,28,28,28	0
59	MG	1A	3067	1/1	0.98	0.11	19,19,19,19	0
59	MG	1A	3620	1/1	0.98	0.06	15,15,15,15	0
59	MG	1A	3031	1/1	0.98	0.27	24,24,24,24	0
59	MG	1A	3749	1/1	0.98	0.03	26,26,26,26	0
59	MG	1A	3683	1/1	0.98	0.03	29,29,29,29	0
59	MG	1A	3684	1/1	0.98	0.04	28,28,28,28	0
59	MG	1A	3025	1/1	0.98	0.11	21,21,21,21	0
59	MG	2a	3050	1/1	0.98	0.04	54,54,54,54	0
59	MG	1A	3999	1/1	0.98	0.03	20,20,20,20	0
59	MG	1A	3251	1/1	0.98	0.15	47,47,47,47	0
59	MG	1A	4001	1/1	0.98	0.09	37,37,37,37	0
59	MG	1A	3207	1/1	0.98	0.20	24,24,24,24	0
59	MG	1A	3016	1/1	0.98	0.03	20,20,20,20	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	2A	3811	1/1	0.98	0.09	62,62,62,62	0
59	MG	2A	3642	1/1	0.98	0.12	63,63,63,63	0
59	MG	1A	3826	1/1	0.98	0.06	42,42,42,42	0
59	MG	1A	3912	1/1	0.98	0.09	47,47,47,47	0
59	MG	1A	4196	1/1	0.98	0.21	29,29,29,29	0
59	MG	1a	3328	1/1	0.98	0.12	17,17,17,17	0
59	MG	1A	3486	1/1	0.98	0.21	31,31,31,31	0
59	MG	2A	3650	1/1	0.98	0.14	60,60,60,60	0
59	MG	1A	3571	1/1	0.98	0.10	13,13,13,13	0
59	MG	2A	3821	1/1	0.98	0.06	35,35,35,35	0
59	MG	1a	3445	1/1	0.98	0.09	32,32,32,32	0
59	MG	1A	4199	1/1	0.98	0.19	32,32,32,32	0
59	MG	1A	4200	1/1	0.98	0.25	27,27,27,27	0
59	MG	1A	3450	1/1	0.98	0.21	31,31,31,31	0
59	MG	1A	4202	1/1	0.98	0.18	27,27,27,27	0
59	MG	1A	4101	1/1	0.98	0.07	41,41,41,41	0
59	MG	1A	3152	1/1	0.98	0.07	25,25,25,25	0
59	MG	2A	3222	1/1	0.98	0.06	45,45,45,45	0
59	MG	1A	3059	1/1	0.98	0.15	10,10,10,10	0
59	MG	2a	3075	1/1	0.98	0.16	33,33,33,33	0
59	MG	1A	3528	1/1	0.98	0.13	35,35,35,35	0
59	MG	1N	3008	1/1	0.98	0.08	36,36,36,36	0
59	MG	1A	3576	1/1	0.98	0.11	9,9,9,9	0
59	MG	1A	3419	1/1	0.98	0.24	30,30,30,30	0
59	MG	1A	3171	1/1	0.98	0.06	25,25,25,25	0
59	MG	1A	3531	1/1	0.98	0.25	28,28,28,28	0
59	MG	2A	3512	1/1	0.98	0.05	45,45,45,45	0
59	MG	2A	3668	1/1	0.98	0.09	43,43,43,43	0
59	MG	1A	3701	1/1	0.98	0.05	17,17,17,17	0
59	MG	1A	3841	1/1	0.98	0.03	24,24,24,24	0
59	MG	1A	3637	1/1	0.98	0.05	18,18,18,18	0
59	MG	1A	3927	1/1	0.98	0.09	12,12,12,12	0
59	MG	1a	3464	1/1	0.98	0.03	31,31,31,31	0
59	MG	2A	3369	1/1	0.98	0.04	67,67,67,67	0
59	MG	1A	4216	1/1	0.98	0.08	24,24,24,24	0
59	MG	2A	3371	1/1	0.98	0.06	48,48,48,48	0
59	MG	1A	4217	1/1	0.98	0.13	35,35,35,35	0
59	MG	1A	4020	1/1	0.98	0.14	34,34,34,34	0
59	MG	2A	3374	1/1	0.98	0.07	49,49,49,49	0
59	MG	1A	4219	1/1	0.98	0.19	32,32,32,32	0
59	MG	2A	3681	1/1	0.98	0.06	62,62,62,62	0
59	MG	1A	3192	1/1	0.98	0.18	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	3172	1/1	0.98	0.04	25,25,25,25	0
59	MG	2A	3108	1/1	0.98	0.08	43,43,43,43	0
59	MG	1A	3582	1/1	0.98	0.03	24,24,24,24	0
59	MG	1A	3012	1/1	0.98	0.09	18,18,18,18	0
59	MG	1A	4224	1/1	0.98	0.04	23,23,23,23	0
59	MG	1A	3085	1/1	0.98	0.17	15,15,15,15	0
59	MG	1A	4226	1/1	0.98	0.06	24,24,24,24	0
59	MG	1A	3312	1/1	0.98	0.21	33,33,33,33	0
59	MG	1a	3479	1/1	0.98	0.08	48,48,48,48	0
59	MG	1a	3480	1/1	0.98	0.04	37,37,37,37	0
59	MG	1a	3481	1/1	0.98	0.10	44,44,44,44	0
59	MG	2A	3118	1/1	0.98	0.17	37,37,37,37	0
59	MG	1A	3935	1/1	0.98	0.03	24,24,24,24	0
59	MG	1A	4028	1/1	0.98	0.10	50,50,50,50	0
60	ZN	2Y	501	1/1	0.98	0.04	86,86,86,86	0
59	MG	1A	3497	1/1	0.98	0.19	38,38,38,38	0
60	ZN	29	501	1/1	0.98	0.04	69,69,69,69	0
59	MG	1A	3937	1/1	0.98	0.06	22,22,22,22	0
61	SF4	2d	501	8/8	0.98	0.05	56,66,80,82	0
59	MG	2A	3703	1/1	0.98	0.03	30,30,30,30	0
59	MG	1A	3663	1/1	0.99	0.05	14,14,14,14	0
59	MG	1a	3515	1/1	0.99	0.04	39,39,39,39	0
59	MG	2A	3064	1/1	0.99	0.11	16,16,16,16	0
59	MG	1B	227	1/1	0.99	0.05	31,31,31,31	0
59	MG	1a	3574	1/1	0.99	0.05	43,43,43,43	0
59	MG	1A	3685	1/1	0.99	0.04	14,14,14,14	0
59	MG	2A	3815	1/1	0.99	0.03	56,56,56,56	0
59	MG	2A	3006	1/1	0.99	0.05	30,30,30,30	0
59	MG	1A	3011	1/1	0.99	0.20	16,16,16,16	0
59	MG	2A	3382	1/1	0.99	0.04	58,58,58,58	0
59	MG	1A	3834	1/1	0.99	0.06	34,34,34,34	0
59	MG	2A	3384	1/1	0.99	0.06	28,28,28,28	0
59	MG	1a	3465	1/1	0.99	0.03	26,26,26,26	0
59	MG	1a	3521	1/1	0.99	0.04	46,46,46,46	0
59	MG	1A	3120	1/1	0.99	0.10	10,10,10,10	0
59	MG	1a	3523	1/1	0.99	0.02	54,54,54,54	0
59	MG	1A	3627	1/1	0.99	0.05	28,28,28,28	0
59	MG	2A	3595	1/1	0.99	0.04	34,34,34,34	0
59	MG	1X	3005	1/1	0.99	0.06	26,26,26,26	0
59	MG	1f	3002	1/1	0.99	0.08	33,33,33,33	0
59	MG	2A	3016	1/1	0.99	0.07	21,21,21,21	0
59	MG	2A	3461	1/1	0.99	0.03	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1a	3469	1/1	0.99	0.06	48,48,48,48	0
59	MG	2A	3394	1/1	0.99	0.03	40,40,40,40	0
59	MG	1A	3006	1/1	0.99	0.04	23,23,23,23	0
59	MG	1A	3668	1/1	0.99	0.04	38,38,38,38	0
59	MG	1A	3811	1/1	0.99	0.03	30,30,30,30	0
59	MG	1A	3840	1/1	0.99	0.05	16,16,16,16	0
59	MG	1A	3046	1/1	0.99	0.08	28,28,28,28	0
59	MG	1A	4051	1/1	0.99	0.04	38,38,38,38	0
59	MG	1A	3938	1/1	0.99	0.02	22,22,22,22	0
59	MG	1A	3976	1/1	0.99	0.10	56,56,56,56	0
59	MG	1A	3692	1/1	0.99	0.07	37,37,37,37	0
59	MG	1A	4055	1/1	0.99	0.06	32,32,32,32	0
59	MG	1A	3716	1/1	0.99	0.04	34,34,34,34	0
59	MG	1A	3906	1/1	0.99	0.06	36,36,36,36	0
59	MG	2A	3278	1/1	0.99	0.16	40,40,40,40	0
59	MG	1A	3130	1/1	0.99	0.16	32,32,32,32	0
59	MG	2A	3688	1/1	0.99	0.07	38,38,38,38	0
59	MG	1A	3816	1/1	0.99	0.06	35,35,35,35	0
59	MG	1A	3213	1/1	0.99	0.20	27,27,27,27	0
59	MG	2A	3691	1/1	0.99	0.04	29,29,29,29	0
59	MG	2A	3411	1/1	0.99	0.05	40,40,40,40	0
59	MG	1A	3878	1/1	0.99	0.02	38,38,38,38	0
59	MG	1D	311	1/1	0.99	0.21	19,19,19,19	0
59	MG	1A	4186	1/1	0.99	0.09	27,27,27,27	0
59	MG	1A	3946	1/1	0.99	0.03	46,46,46,46	0
59	MG	1A	3131	1/1	0.99	0.29	33,33,33,33	0
59	MG	2A	3698	1/1	0.99	0.05	49,49,49,49	0
59	MG	1A	3007	1/1	0.99	0.11	17,17,17,17	0
59	MG	1A	4105	1/1	0.99	0.09	53,53,53,53	0
59	MG	2A	3701	1/1	0.99	0.03	26,26,26,26	0
59	MG	1A	3616	1/1	0.99	0.09	16,16,16,16	0
59	MG	1A	3179	1/1	0.99	0.04	25,25,25,25	0
59	MG	1A	3618	1/1	0.99	0.04	16,16,16,16	0
59	MG	1A	3063	1/1	0.99	0.06	15,15,15,15	0
59	MG	1A	3374	1/1	0.99	0.16	27,27,27,27	0
59	MG	1A	3854	1/1	0.99	0.04	52,52,52,52	0
59	MG	1A	3181	1/1	0.99	0.22	25,25,25,25	0
59	MG	1A	3956	1/1	0.99	0.06	26,26,26,26	0
59	MG	1A	3957	1/1	0.99	0.02	33,33,33,33	0
59	MG	1B	216	1/1	0.99	0.09	38,38,38,38	0
59	MG	1A	3920	1/1	0.99	0.06	45,45,45,45	0
59	MG	2A	3713	1/1	0.99	0.04	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	1A	4157	1/1	0.99	0.04	24,24,24,24	0
59	MG	1A	4158	1/1	0.99	0.07	20,20,20,20	0
59	MG	1F	303	1/1	0.99	0.03	24,24,24,24	0
59	MG	1A	3170	1/1	0.99	0.15	10,10,10,10	0
59	MG	1A	3827	1/1	0.99	0.04	23,23,23,23	0
59	MG	1A	3035	1/1	0.99	0.27	24,24,24,24	0
59	MG	1A	4206	1/1	0.99	0.16	21,21,21,21	0
59	MG	2A	3644	1/1	0.99	0.04	69,69,69,69	0
59	MG	1a	3457	1/1	0.99	0.07	28,28,28,28	0
60	ZN	1Y	501	1/1	0.99	0.02	58,58,58,58	0
59	MG	2A	3723	1/1	0.99	0.03	47,47,47,47	0
60	ZN	16	102	1/1	0.99	0.05	36,36,36,36	0
60	ZN	1n	501	1/1	0.99	0.02	54,54,54,54	0
59	MG	2A	3646	1/1	0.99	0.04	53,53,53,53	0
59	MG	1A	3532	1/1	0.99	0.21	25,25,25,25	0
60	ZN	25	101	1/1	0.99	0.03	49,49,49,49	0
60	ZN	26	501	1/1	0.99	0.03	57,57,57,57	0
59	MG	1A	3662	1/1	0.99	0.05	15,15,15,15	0
59	MG	2A	3727	1/1	0.99	0.03	31,31,31,31	0
61	SF4	1d	501	8/8	0.99	0.06	52,55,64,66	0
59	MG	1a	3513	1/1	0.99	0.03	61,61,61,61	0
59	MG	2A	3578	1/1	0.99	0.04	25,25,25,25	0
59	MG	2A	3460	1/1	1.00	0.04	25,25,25,25	0
59	MG	1A	3928	1/1	1.00	0.02	16,16,16,16	0
59	MG	1A	3653	1/1	1.00	0.03	12,12,12,12	0
59	MG	1A	3010	1/1	1.00	0.04	16,16,16,16	0
59	MG	1A	3866	1/1	1.00	0.04	15,15,15,15	0
60	ZN	15	101	1/1	1.00	0.04	34,34,34,34	0
59	MG	1A	3737	1/1	1.00	0.03	34,34,34,34	0
60	ZN	19	102	1/1	1.00	0.07	40,40,40,40	0
59	MG	2a	3145	1/1	1.00	0.04	45,45,45,45	0

6.5 Other polymers

There are no such residues in this entry.